

PROJECT MANUAL

STAYBRIDGE SUITES

1301 EAST LARK STREET
SPRINGFIELD, MISSOURI

Project Number 22-169



ARKIFEX
STUDIOS

ARCHITECTURE + DESIGN
OZARK MODERNISM

Bid Set
May 22, 2023

TABLE OF CONTENTS

DIVISION 01 - GENERAL REQUIREMENTS

01 10 00	SUMMARY
01 25 00	SUBSTITUTION PROCEDURES
01 26 00	CONTRACT MODIFICATION PROCEDURES
01 29 00	PAYMENT PROCEDURES
01 31 00	PROJECT MANAGEMENT AND COORDINATION
01 32 00	CONSTRUCTION PROGRESS DOCUMENTATION
01 32 33	PHOTOGRAPHIC DOCUMENTATION
01 33 00	SUBMITTAL PROCEDURES

DIVISION 02 – EXISTING CONDITIONS – NOT USED

DIVISION 03 - CONCRETE

03 54 13	GYPSUM CEMENT UNDERLAYMENT
----------	----------------------------

DIVISION 04 - MASONRY

04 43 13.16	ADHERED STONE MASONRY VENEER
-------------	------------------------------

DIVISION 05 - METALS

05 50 00	METAL FABRICATIONS
05 51 13	METAL PAN STAIRS

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

06 20 23	INTERIOR FINISH CARPENTRY
06 41 16	PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS
06 42 16	FLUSH WOOD PANELING
06 42 19	PLASTIC-LAMINATE-FACED WOOD PANELING
06 64 00	PLASTIC PANELING

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

07 11 13	BITUMINOUS DAMPPROOFING
07 21 00	THERMAL INSULATION
07 21 19	FOAMED-IN-PLACE INSULATION
07 24 19	WATER-DRAINAGE EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)
07 27 26	FLUID-APPLIED MEMBRANE AIR BARRIERS
07 42 13.23	METAL COMPOSITE MATERIAL WALL PANELS
07 42 93	SOFFIT PANELS
07 54 23	THERMOPLASTIC-POLYOLEFIN (TPO) ROOFING
07 62 00	SHEET METAL FLASHING AND TRIM
07 72 00	ROOF ACCESSORIES
07 84 13	PENETRATION FIRESTOPPING
07 92 00	JOINT SEALANTS
07 92 19	ACOUSTICAL JOINT SEALANTS

DIVISION 08 - OPENINGS

08 11 13	HOLLOW METAL DOORS AND FRAMES
08 14 16	FLUSH WOOD DOORS
08 31 13	ACCESS DOORS AND FRAMES
08 41 13	ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS
08 42 29.23	SLIDING AUTOMATIC ENTRANCES
08 51 13	ALUMINUM WINDOWS
08 80 00	GLAZING
08 83 00	MIRRORS
08 88 13	FIRE-RATED GLAZING
08 91 19	FIXED LOUVERS

DIVISION 09 - FINISHES

09 21 16.23	GYPSUM BOARD SHAFT WALL ASSEMBLIES
09 29 00	GYPSUM BOARD
09 30 13	CERAMIC TILING
09 51 13	ACOUSTICAL PANEL CEILINGS
09 54 26	SUSPENDED WOOD CEILINGS
09 65 13	RESILIENT BASE AND ACCESSORIES
09 65 19	RESILIENT TILE FLOORING
09 65 66	RESILIENT ATHLETIC FLOORING
09 68 13	TILE CARPETING
09 68 16	SHEET CARPETING
09 72 00	WALL COVERINGS
09 91 14	EXTERIOR PAINTING
09 91 24	INTERIOR PAINTING
09 93 01	STAINING AND TRANSPARENT FINISHING
09 96 00	HIGH-PERFORMANCE COATINGS

DIVISION10 - SPECIALTIES

	<i>INTERIOR SIGNAGE PACKAGE</i>
	<i>EXTERIOR SIGNAGE BRAND STANDARDS MANUAL</i>
10 26 00	WALL AND DOOR PROTECTION
10 28 00	TOILET, BATH, AND LAUNDRY ACCESSORIES
10 28 19	TUB AND SHOWER ENCLOSURES
10 44 13	FIRE PROTECTION CABINETS
10 44 16	FIRE EXTINGUISHERS
10 51 13	METAL LOCKERS
10 75 16	GROUND-SET FLAGPOLES

DIVISION 11 - EQUIPMENT

11 30 13	RESIDENTIAL APPLIANCES
----------	------------------------

DIVISION 12 - FURNISHINGS

12 22 00	CURTAINS AND DRAPES
12 24 13	ROLLER WINDOW SHADES

12 36 23.13	PLASTIC-LAMINATE-CLAD COUNTERTOPS
12 36 61.19	QUARTZ AGGLOMERATE COUNTERTOPS
12 48 13	ENTRANCE FLOOR MATS AND FRAMES

DIVISION 13 – SPECIAL CONSTRUCTION NOT USED

DIVISION 14 – CONVEYING EQUIPMENT

14 91 33	LAUNDRY AND LINEN CHUTES
----------	--------------------------

APPENDIX – STAYBRIDGE SUITE BRAND DESIGN SPECIFICATIONS

SBv7 SCHEME BLUE – 000s PUBLIC SPACE FINISHES
SBv7 SCHEME BLUE – 100s GUESTROOM FIXTURES AND EQUIPMENT
SBv7 SCHEME BLUE – 100s PUBLIC SPACE FIXTURES AND EQUIPMENT
SBv7 SCHEME BLUE – 200s PUBLIC SPACE CASEGOODS
SBv7 SCHEME BLUE – 300s PUBLIC SPACE SOFTGOODS
SBv7 SCHEME BLUE – 400s GUESTROOM LIGHTING
SBv7 SCHEME BLUE – 400s PUBLIC SPACE LIGHTING
SBv7 SCHEME BLUE – 1100s PUBLIC SPACE EXTERIOR

DIVISION 22 – MECHANICAL

220100	GENERAL MECHANICAL REQUIREMENTS - 9
220500	BASIC MECHANICAL MATERIALS AND METHODS - 5
220600	HANGERS AND SUPPORTS - 3
220800	PIPING INSULATION - 3
220850	DUCTWORK INSULATION - 2
221100	GENERAL DUTY VALVES - 2
221220	GAUGES AND THERMOMETERS - 1
221400	PIPING SYSTEMS – 6
223000	FIRE PROTECTION SYSTEMS – 4
224100	PLUMBING FIXTURES - 3
224300	PLUMBING SPECIALTIES - 2
224850	WATER HEATERS - 2
227000	VARIABLE REFRIGERANT FLOW SYSTEMS – 6
227310	PACKAGE TERMINAL AIR CONDITIONERS – 3
228126	DUCTLESS MINI-SPLITS – 5
228150	METAL DUCTWORK - 5
228200	DUCT ACCESSORIES AND HVAC SPECIALTIES - 3
228210	DOAS ROOFTOP UNITS – 7
228350	POWER VENTILATORS - 1
228550	GRILLES, REGISTERS AND DIFFUSERS – 2
229000	HVAC INSTRUMENTATION AND CONTROLS – 22
229200	GUESTROOM TEMPERATURE CONTROLS – 2

229300	MECHANICAL SYSTEMS COMMISSIONING – 1
229500	TESTING, ADJUSTING, AND BALANCING - 9

DIVISION 26 – ELECTRICAL

260100	GENERAL ELECTRICAL REQUIREMENTS - 8
260500	BASIC ELECTRICAL MATERIALS AND METHODS - 5
260600	GROUNDING AND BONDING - 2
260720	ELECTRICAL SUPPORTS - 2
260750	ELECTRICAL IDENTIFICATION - 1
261200	CONDUCTORS AND CABLES - 2
261300	RACEWAYS AND BOXES - 4
261400	WIRING DEVICES – 2
261450	LIGHTING CONTROL DEVICES - 1
264100	SAFETY SWITCHES – 1
264410	SWITCHBOARDS – 4
264420	PANELBOARDS – 7
265110	LIGHTING FIXTURES – 2
265150	NETWORK LIGHTING CONTROLS - 42
269000	FIRE ALARM SYSTEM – 13
269300	ELECTRICAL SYSTEMS COMMISSIONING – 1

END OF TABLE OF CONTENTS

SECTION 011000 - SUMMARY

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Project information.
2. Work covered by Contract Documents.
3. Contractor-furnished/Owner-installed (CFOI) products.
4. Contractor's use of site and premises.
5. Work restrictions.
6. Specification and Drawing conventions.
7. Miscellaneous provisions.

1.2 PROJECT INFORMATION

A. Project Identification: Staybridge Suites.

1. Project Location: 1301 East Lark Street, Springfield, Missouri.

B. Owner: IIHG Hotels and Resorts.

1. Owner's Representative: Jeff Dawdy, Hewn Builders, Jeff@hewnbuilders.com.

C. Architect: Arkifex Studios, 221 South Avenue, Springfield, MO 65806 (417) 773-1605.

1. Architect's Representative: Michael Hampton, AIA.

D. Architect's Consultants: Architect has retained the following design professionals, who have prepared designated portions of the Contract Documents:

1. MEP Engineers: CJD.
2. Structural Engineers: J & M Engineering.
3. Civil – Heithaus Engineering.

E. Web-Based Project Software: Project software will be used for purposes of managing communication and documents during the construction stage.

1. See Section 013100 "Project Management and Coordination." for requirements for using web-based Project software.

1.3 WORK COVERED BY CONTRACT DOCUMENTS

A. The Work of Project is defined by the Contract Documents and includes, but is not

limited to, the following:

1. Four-story 59,045 S.F. hotel with 77 rooms and other Work indicated in the Contract Documents. Construction Type 5A.

B. Type of Contract:

1. Project will be constructed under a single prime contract.

1.4 CONTRACTOR'S USE OF SITE AND PREMISES

- A. Unrestricted Use of Site: Contractor shall have full use of Project site for construction operations during construction period. Contractor's use of Project site is limited only by Owner's right to perform work or to retain other contractors on portions of Project.

1.5 WORK RESTRICTIONS

- A. Comply with restrictions on construction operations.
1. Comply with limitations on use of public streets, work on public streets, rights of way, and other requirements of authorities having jurisdiction.
- B. On-Site Work Hours: Limit work to between 7 a.m. to 6 p.m., Monday through Friday, unless otherwise indicated. Work hours may be modified to meet Project requirements if approved by Owner and authorities having jurisdiction.
- C. Smoking and Controlled Substance Restrictions: Use of tobacco products , alcoholic beverages, and other controlled substances on Project site is not permitted.
- D. Employee Identification: Provide identification tags for Contractor personnel working on Project site. Require personnel to use identification tags at all times.

1.6 SPECIFICATION AND DRAWING CONVENTIONS

- A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
 2. Text Color: Text used in the Specifications, including units of measure, manufacturer and product names, and other text may appear in multiple colors or underlined as part of a hyperlink; no emphasis is implied by text with these characteristics.
 3. Hypertext: Text used in the Specifications may contain hyperlinks. Hyperlinks may allow for access to linked information that is not residing in the Specifications. Unless otherwise indicated, linked information is not part of the

Contract Documents.

4. Specification requirements are to be performed by Contractor unless specifically stated otherwise.
- B. Division 00 Contracting Requirements: General provisions of the Contract, including General and Supplementary Conditions, apply to all Sections of the Specifications.
- C. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.
- D. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:
 1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
 2. Abbreviations: Materials and products are identified by abbreviations scheduled on Drawings, and, published as part of the U.S. National CAD Standard.

1.7 MISCELLANEOUS PROVISIONS

- A. Build & Design Standards Extract, November 10, 2022 by Staybridge Suites, an IHG Hotel, United States..
- B. All applicable international, national and local laws and regulations must be complied with.
- C. In the event of a discrepancy between international, national and local laws or regulations, and the Standards or Specifications, the more stringent requirement must take precedence (unless the more stringent IHG requirement is forbidden locally).

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 011000

SECTION 012100 - ALLOWANCES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements governing allowances.
- B. Types of allowances include the following:
 - 1. Lump-sum allowances.
 - 2. Unit-cost allowances.
 - 3. Quantity allowances.
 - 4. Contingency allowances.
 - 5. Testing and inspecting allowances.

1.2 DEFINITIONS

- A. Allowance: A quantity of work or dollar amount included in the Contract, established in lieu of additional requirements, used to defer selection of actual materials and equipment to a later date when direction will be provided to Contractor. If necessary, additional requirements will be issued by Change Order.

1.3 SELECTION AND PURCHASE

- A. At the earliest practical date after award of the Contract, advise Architect of the date when final selection, or purchase and delivery, of each product or system described by an allowance must be completed by the Owner to avoid delaying the Work.
- B. At Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.
- C. Purchase products and systems selected by Architect from the designated supplier.

1.4 ACTION SUBMITTALS

- A. Submit proposals for purchase of products or systems included in allowances in the form specified for Change Orders.

1.5 INFORMATIONAL SUBMITTALS

- A. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.

- B. Submit time sheets and other documentation to show labor time and cost for installation of allowance items that include installation as part of the allowance.
- C. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.6 LUMP-SUM ALLOWANCES

- A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include taxes, freight, and delivery to Project site.
- B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.

1.7 UNIT-COST ALLOWANCES

- A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include taxes, freight, and delivery to Project site.
- B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.

1.8 QUANTITY ALLOWANCES

- A. Allowance shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include taxes, freight, and delivery to Project site.
- B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.

1.9 CONTINGENCY ALLOWANCES

- A. Use the contingency allowance only as directed by Architect for Owner's purposes and only by Change Orders that indicate amounts to be charged to the allowance.
- B. Contractor's overhead, profit, and related costs for products and equipment ordered by Owner under the contingency allowance are included in the allowance and are not part of the Contract Sum. These costs include delivery, installation, taxes, insurance,

equipment rental, and similar costs.

- C. Change Orders authorizing use of funds from the contingency allowance will include Contractor's related costs and reasonable overhead and profit.
- D. At Project closeout, credit unused amounts remaining in the contingency allowance to Owner by Change Order.

1.10 TESTING AND INSPECTING ALLOWANCES

- A. Testing and inspecting allowances include the cost of engaging testing agencies, actual tests and inspections, and reporting results.
- B. The allowance does not include incidental labor required to assist the testing agency or costs for retesting if previous tests and inspections result in failure. The cost for incidental labor to assist the testing agency shall be included in the Contract Sum.
- C. Costs of testing and inspection services not specifically required by the Contract Documents are Contractor responsibilities and are not included in the allowance.
- D. At Project closeout, credit unused amounts remaining in the testing and inspecting allowance to Owner by Change Order.

1.11 ADJUSTMENT OF ALLOWANCES

- A. Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, required maintenance materials, and similar margins.
 - 1. Include installation costs in purchase amount only where indicated as part of the allowance.
 - 2. If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other markups.
 - 3. Submit substantiation of a change in scope of Work, if any, claimed in Change Orders related to unit-cost allowances.
 - 4. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.
- B. Submit claims for increased costs due to a change in the scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labor, installation, overhead, and profit.
 - 1. Do not include Contractor's or subcontractor's indirect expense in the Change Order cost amount unless it is clearly shown that the nature or extent of Work has changed from what could have been foreseen from information in the Contract Documents.
 - 2. No change to Contractor's indirect expense is permitted for selection of higher- or

lower-priced materials or systems of the same scope and nature as originally indicated.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 PREPARATION

- A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.3 SCHEDULE OF ALLOWANCES

- A. Allowance No. <Insert number>: **[Lump-Sum] [Unit-Cost] [Quantity] [Contingency] [Testing and Inspecting]** Allowance: Include the sum of <Insert dollar or quantity amount of allowance>. Include <Insert allowance description>, as specified in Section <Insert Section number> "<Insert Section title>" **[and as shown on Drawings]**.
 - 1. This allowance includes **[material cost] [receiving, handling, and installation] [and] [Contractor overhead and profit]**.
 - 2. Coordinate quantity allowance adjustment with corresponding unit-price requirements in Section 012200 "Unit Prices."

END OF SECTION 012100

SECTION 012200 - UNIT PRICES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for unit prices.

1.2 DEFINITIONS

- A. Unit price is an amount incorporated into the Agreement, applicable during the duration of the Work as a price per unit of measurement for materials, equipment, or services, or a portion of the Work, added to or deducted from the Contract Sum by appropriate modification, if the scope of Work or estimated quantities of Work required by the Contract Documents are increased or decreased.

1.3 PROCEDURES

- A. Unit prices include all necessary material, plus cost for delivery, installation, insurance, applicable taxes, overhead, and profit.
- B. Measurement and Payment: See individual Specification Sections for work that requires establishment of unit prices. Methods of measurement and payment for unit prices are specified in those Sections.
- C. Owner reserves the right to reject Contractor's measurement of work-in-place that involves use of established unit prices and to have this work measured, at Owner's expense, by an independent surveyor acceptable to Contractor.
- D. List of Unit Prices: A schedule of unit prices is included in Part 3. Specification Sections referenced in the Part 3 "Schedule of Unit Prices" Article contain requirements for materials described under each unit price.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES

- A. Unit Price No. **<Insert unit-price number>** - **<Insert unit-price item>**:
 - 1. Description: **<Insert unit-price item description>** in accordance with Section **<Insert Section number>** "**<Insert Section title>**."
 - 2. Unit of Measurement: **<Insert unit of measurement>**.

3. Quantity Allowance: Coordinate unit price with allowance adjustment requirements in Section 012100 "Allowances."

END OF SECTION 012200

SECTION 012500 - SUBSTITUTION PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for substitutions.

1.2 DEFINITIONS

- A. Substitutions: Changes in products, materials, equipment, and methods of construction from those required by the Contract Documents.
 - 1. Substitutions for Cause: Changes proposed by Contractor that are required due to changed Project conditions, such as unavailability of product, regulatory changes, or unavailability of required warranty terms.
 - 2. Substitutions for Convenience: Changes proposed by Contractor or Owner that are not required to meet other Project requirements but may offer advantage to Contractor or Owner.

1.3 ACTION SUBMITTALS

- A. Substitution Requests: Submit documentation identifying product or fabrication or installation method to be replaced. Include Specification Section number and title and Drawing numbers and titles.
 - 1. Substitution Request Form: Use form that is part of web-based Project management software.
 - 2. Documentation: Show compliance with requirements for substitutions and the following, as applicable:
 - a. Statement indicating why specified product or fabrication or installation method cannot be provided, if applicable.
 - b. Coordination of information, including a list of changes or revisions needed to other parts of the Work and to construction performed by Owner and separate contractors that will be necessary to accommodate proposed substitution.
 - c. Detailed comparison of significant qualities of proposed substitutions with those of the Work specified. Include annotated copy of applicable Specification Section. Significant qualities may include attributes, such as performance, weight, size, durability, visual effect, sustainable design characteristics, warranties, and specific features and requirements indicated. Indicate deviations, if any, from the Work specified.
 - d. Product Data, including drawings and descriptions of products and fabrication and installation procedures.
 - e. Samples, where applicable or requested.

- f. Certificates and qualification data, where applicable or requested.
 - g. List of similar installations for completed projects, with project names and addresses as well as names and addresses of architects and owners.
 - h. Material test reports from a qualified testing agency, indicating and interpreting test results for compliance with requirements indicated.
 - i. Research reports evidencing compliance with building code in effect for Project, from ICC-ES.
 - j. Detailed comparison of Contractor's construction schedule using proposed substitutions with products specified for the Work, including effect on the overall Contract Time. If specified product or method of construction cannot be provided within the Contract Time, include letter from manufacturer, on manufacturer's letterhead, stating date of receipt of purchase order, lack of availability, or delays in delivery.
 - k. Cost information, including a proposal of change, if any, in the Contract Sum.
 - l. Contractor's certification that proposed substitution complies with requirements in the Contract Documents, except as indicated in substitution request, is compatible with related materials and is appropriate for applications indicated.
 - m. Contractor's waiver of rights to additional payment or time that may subsequently become necessary because of failure of proposed substitution to produce indicated results.
3. Architect's Action: If necessary, Architect will request additional information or documentation for evaluation within seven days of receipt of a request for substitution. Architect will notify Contractor of acceptance or rejection of proposed substitution within 15 days of receipt of request, or seven days of receipt of additional information or documentation, whichever is later.
- a. Forms of Acceptance: Change Order, Construction Change Directive, or Architect's Supplemental Instructions for minor changes in the Work.
 - b. Use product specified if Architect does not issue a decision on use of a proposed substitution within time allocated.

1.4 QUALITY ASSURANCE

- A. Compatibility of Substitutions: Investigate and document compatibility of proposed substitution with related products and materials. Engage a qualified testing agency to perform compatibility tests recommended by manufacturers.

1.5 PROCEDURES

- A. Coordination: Revise or adjust affected work as necessary to integrate work of the approved substitutions.

1.6 SUBSTITUTIONS

- A. Substitutions for Cause: Submit requests for substitution immediately on discovery of

need for change, but not later than 15 days prior to time required for preparation and review of related submittals.

1. Conditions: Architect will consider Contractor's request for substitution when the following conditions are satisfied. If the following conditions are not satisfied, Architect will return requests without action, except to record noncompliance with these requirements:
 - a. Requested substitution is consistent with the Contract Documents and will produce indicated results.
 - b. Substitution request is fully documented and properly submitted.
 - c. Requested substitution will not adversely affect Contractor's construction schedule.
 - d. Requested substitution has received necessary approvals of authorities having jurisdiction.
 - e. Requested substitution is compatible with other portions of the Work.
 - f. Requested substitution has been coordinated with other portions of the Work.
 - g. Requested substitution provides specified warranty.
 - h. If requested substitution involves more than one contractor, requested substitution has been coordinated with other portions of the Work, is uniform and consistent, is compatible with other products, and is acceptable to all contractors involved.

B. Substitutions for Convenience:

1. Architect will consider requests for substitution if received within 60 days after commencement of the Work. Requests received after that time may be considered or rejected at discretion of Architect.
 - a. Conditions: Architect will consider Contractor's request for substitution when the following conditions are satisfied. If the following conditions are not satisfied, Architect will return requests without action, except to record noncompliance with these requirements:
 - 1) Requested substitution offers Owner a substantial advantage in cost, time, energy conservation, or other considerations, after deducting additional responsibilities Owner must assume. Owner's additional responsibilities may include compensation to Architect for redesign and evaluation services, increased cost of other construction by Owner, and similar considerations.
 - 2) Requested substitution does not require extensive revisions to the Contract Documents.
 - 3) Requested substitution is consistent with the Contract Documents and will produce indicated results.
 - 4) Requested substitution provides sustainable design characteristics that specified product provided for compliance with Green Globes requirements.
 - 5) Substitution request is fully documented and properly submitted.
 - 6) Requested substitution will not adversely affect Contractor's

- construction schedule.
- 7) Requested substitution has received necessary approvals of authorities having jurisdiction.
- 8) Requested substitution is compatible with other portions of the Work.
- 9) Requested substitution has been coordinated with other portions of the Work.
- 10) Requested substitution provides specified warranty.
- 11) If requested substitution involves more than one contractor, requested substitution has been coordinated with other portions of the Work, is uniform and consistent, is compatible with other products, and is acceptable to all contractors involved.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 012500

SECTION 012600 - CONTRACT MODIFICATION PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for handling and processing Contract modifications.

1.2 MINOR CHANGES IN THE WORK

- A. Architect will issue supplemental instructions authorizing minor changes in the Work, not involving adjustment to the Contract Sum or the Contract Time, on AIA Document G710.

1.3 PROPOSAL REQUESTS

- A. Owner-Initiated Proposal Requests: Architect will issue a detailed description of proposed changes in the Work that may require adjustment to the Contract Sum or the Contract Time. If necessary, the description will include supplemental or revised Drawings and Specifications.
 - 1. Work Change Proposal Requests issued by Architect are not instructions either to stop work in progress or to execute the proposed change.
 - 2. Within time specified in Proposal Request, or after receipt of Proposal Request, submit a quotation estimating cost adjustments to the Contract Sum and the Contract Time necessary to execute the change.
 - a. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
 - b. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
 - c. Include costs of labor and supervision directly attributable to the change.
 - d. Include an updated Contractor's construction schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
 - e. Quotation Form: Use form provided as part of web-based Project management software.
- B. Contractor-Initiated Proposals: If latent or changed conditions require modifications to the Contract, Contractor may initiate a claim by submitting a request for a change to Architect.
 - 1. Include a statement outlining reasons for the change and the effect of the change

- on the Work. Provide a complete description of the proposed change. Indicate the effect of the proposed change on the Contract Sum and the Contract Time.
2. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
 3. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
 4. Include costs of labor and supervision directly attributable to the change.
 5. Include an updated Contractor's construction schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.
 6. Comply with requirements in Section 012500 "Substitution Procedures" if the proposed change requires substitution of one product or system for product or system specified.
 7. Proposal Request Form: Use form provided as part of web-based Project management software.

1.4 ADMINISTRATIVE CHANGE ORDERS

- A. Allowance Adjustment: See Section 012100 "Allowances" for administrative procedures for preparation of Change Order Proposal for adjusting the Contract Sum to reflect actual costs of allowances.
- B. Unit-Price Adjustment: See Section 012200 "Unit Prices" for administrative procedures for preparation of Change Order Proposal for adjusting the Contract Sum to reflect measured scope of unit-price work.

1.5 CHANGE ORDER PROCEDURES

- A. On Owner's approval of a Work Change Proposal Request, Architect will issue a Change Order for signatures of Owner and Contractor on AIA Document G701.

1.6 CONSTRUCTION CHANGE DIRECTIVE

- A. Construction Change Directive: Architect may issue a Construction Change Directive on AIA Document G714. Construction Change Directive instructs Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.
 1. Construction Change Directive contains a complete description of change in the Work. It also designates method to be followed to determine change in the Contract Sum or the Contract Time.
- B. Documentation: Maintain detailed records on a time and material basis of work required by the Construction Change Directive.
 1. After completion of change, submit an itemized account and supporting data necessary to substantiate cost and time adjustments to the Contract.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 012600

SECTION 012900 - PAYMENT PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements necessary to prepare and process Applications for Payment.

1.2 DEFINITIONS

- A. Schedule of Values: A statement furnished by Contractor allocating portions of the Contract Sum to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

1.3 SCHEDULE OF VALUES

- A. Coordination: Coordinate preparation of the schedule of values with preparation of Contractor's construction schedule.
 - 1. Coordinate line items in the schedule of values with items required to be indicated as separate activities in Contractor's construction schedule.
 - 2. Submit the schedule of values to Architect through Construction Manager at earliest possible date, but no later than seven days before the date scheduled for submittal of initial Applications for Payment.
- B. Format and Content: Use Project Manual table of contents as a guide to establish line items for the schedule of values. Provide at least one line item for each Specification Section.
 - 1. Identification: Include the following Project identification on the schedule of values:
 - a. Project name and location.
 - b. Owner's name.
 - c. Owner's Project number.
 - d. Name of Architect.
 - e. Architect's Project number.
 - f. Contractor's name and address.
 - g. Date of submittal.
 - 2. Arrange schedule of values consistent with format of AIA Document G703.
 - 3. Arrange the schedule of values in tabular form, with separate columns to indicate the following for each item listed:
 - a. Related Specification Section or division.

- b. Description of the Work.
 - c. Name of subcontractor.
 - d. Name of manufacturer or fabricator.
 - e. Name of supplier.
 - f. Change Orders (numbers) that affect value.
 - g. Dollar value of the following, as a percentage of the Contract Sum to nearest one-hundredth percent, adjusted to total 100 percent. Round dollar amounts to whole dollars, with total equal to Contract Sum.
 - 1) Labor.
 - 2) Materials.
 - 3) Equipment.
4. Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports. Provide multiple line items for principal subcontract amounts in excess of five percent of the Contract Sum.
5. Provide a separate line item in the schedule of values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored, but not yet installed.
- a. Differentiate between items stored on-site and items stored off-site.
6. Allowances: Provide a separate line item in the schedule of values for each allowance. Show line-item value of unit-cost allowances, as a product of the unit cost, multiplied by measured quantity. Use information indicated in the Contract Documents to determine quantities.
7. Overhead Costs, Proportional Distribution: Include total cost and proportionate share of general overhead and profit for each line item.
8. Overhead Costs, Separate Line Items: Show cost of temporary facilities and other major cost items that are not direct cost of actual work-in-place as separate line items.
9. Temporary Facilities: Show cost of temporary facilities and other major cost items that are not direct cost of actual work-in-place as separate line items.
10. Schedule of Values Revisions: Revise the schedule of values when Change Orders or Construction Change Directives result in a change in the Contract Sum. Include at least one separate line item for each Change Order and Construction Change Directive.

1.4 APPLICATIONS FOR PAYMENT

- A. Each Application for Payment following the initial Application for Payment shall be consistent with previous applications and payments, as certified by Architect and paid for by Owner.
- B. Payment Application Times: The date for each progress payment is indicated in the Owner/Contractor Agreement. The period of construction work covered by each Application for Payment is the period indicated in the Agreement.

- C. Payment Application Times: Submit Application for Payment to Architect by the fifth of the month. The period covered by each Application for Payment is one month, ending on the last day of the month.
 - 1. Submit draft copy of Application for Payment seven days prior to due date for review by Architect.
- D. Application for Payment Forms: Use AIA Document G702 and AIA Document G703 as form for Applications for Payment.
 - 1. Other Application for Payment forms proposed by the Contractor may be acceptable to Architect and Owner. Submit forms for approval with initial submittal of schedule of values.
- E. Application Preparation: Complete every entry on form. Notarize and execute by a person authorized to sign legal documents on behalf of Contractor. Architect will return incomplete applications without action.
 - 1. Entries shall match data on the schedule of values and Contractor's construction schedule. Use updated schedules if revisions were made.
 - 2. Include amounts for work completed following previous Application for Payment, whether or not payment has been received. Include only amounts for work completed at time of Application for Payment.
 - 3. Include amounts of Change Orders and Construction Change Directives issued before last day of construction period covered by application.
 - 4. Indicate separate amounts for work being carried out under Owner-requested project acceleration.
- F. Stored Materials: Include in Application for Payment amounts applied for materials or equipment purchased or fabricated and stored, but not yet installed. Differentiate between items stored on-site and items stored off-site.
 - 1. Provide certificate of insurance, evidence of transfer of title to Owner, and consent of surety to payment for stored materials.
 - 2. Provide supporting documentation that verifies amount requested, such as paid invoices. Match amount requested with amounts indicated on documentation; do not include overhead and profit on stored materials.
 - 3. Provide summary documentation for stored materials indicating the following:
 - a. Value of materials previously stored and remaining stored as of date of previous Applications for Payment.
 - b. Value of previously stored materials put in place after date of previous Application for Payment and on or before date of current Application for Payment.
 - c. Value of materials stored since date of previous Application for Payment and remaining stored as of date of current Application for Payment.
- G. Transmittal: Submit three signed and notarized original copies of each Application for Payment to Architect by a method ensuring receipt within 24 hours. One copy shall include waivers of lien and similar attachments if required.

1. Transmit each copy with a transmittal form listing attachments and recording appropriate information about application.
- H. Waivers of Mechanic's Lien: With each Application for Payment, submit waivers of mechanic's lien from entities lawfully entitled to file a mechanic's lien arising out of the Contract and related to the Work covered by the payment.
1. Submit partial waivers on each item for amount requested in previous application, after deduction for retainage, on each item.
 2. When an application shows completion of an item, submit conditional final or full waivers.
 3. Owner reserves the right to designate which entities involved in the Work must submit waivers.
 4. Submit final Application for Payment with or preceded by conditional final waivers from every entity involved with performance of the Work covered by the application who is lawfully entitled to a lien.
 5. Waiver Forms: Submit executed waivers of lien on forms acceptable to Owner.
- I. Initial Application for Payment: Administrative actions and submittals that must precede or coincide with submittal of first Application for Payment include the following:
1. List of subcontractors.
 2. Schedule of values.
 3. Contractor's construction schedule (preliminary if not final).
 4. Combined Contractor's construction schedule (preliminary if not final) incorporating Work of multiple contracts, with indication of acceptance of schedule by each Contractor.
 5. Products list (preliminary if not final).
 6. Sustainable design action plans, including preliminary project materials cost data.
 7. Schedule of unit prices.
 8. Submittal schedule (preliminary if not final).
 9. List of Contractor's staff assignments.
 10. List of Contractor's principal consultants.
 11. Copies of building permits.
 12. Copies of authorizations and licenses from authorities having jurisdiction for performance of the Work.
 13. Initial progress report.
 14. Report of preconstruction conference.
 15. Certificates of insurance and insurance policies.
 16. Performance and payment bonds.
 17. Data needed to acquire Owner's insurance.
- J. Application for Payment at Substantial Completion: After Architect issues the Certificate of Substantial Completion, submit an Application for Payment showing 100 percent completion for portion of the Work claimed as substantially complete.
1. Include documentation supporting claim that the Work is substantially complete and a statement showing an accounting of changes to the Contract Sum.

- a. Complete administrative actions, submittals, and Work preceding this application, as described in Section 017700 "Closeout Procedures."
 2. This application shall reflect Certificate(s) of Substantial Completion issued previously for Owner occupancy of designated portions of the Work.
- K. Final Payment Application: After completing Project closeout requirements, submit final Application for Payment with releases and supporting documentation not previously submitted and accepted, including, but not limited, to the following:
1. Evidence of completion of Project closeout requirements.
 2. Certification of completion of final punch list items.
 3. Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid.
 4. Updated final statement, accounting for final changes to the Contract Sum.
 5. AIA Document G706.
 6. AIA Document G706A.
 7. AIA Document G707.
 8. Evidence that claims have been settled.
 9. Final meter readings for utilities, a measured record of stored fuel, and similar data as of date of Substantial Completion or when Owner took possession of and assumed responsibility for corresponding elements of the Work.
 10. Final liquidated damages settlement statement.
 11. Proof that taxes, fees, and similar obligations are paid.
 12. Waivers and releases.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 012900

SECTION 013100 - PROJECT MANAGEMENT AND COORDINATION

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative provisions for coordinating construction operations on Project, including, but not limited to, the following:
 - 1. General coordination procedures.
 - 2. Coordination drawings.
 - 3. RFIs.
 - 4. Digital project management procedures.
 - 5. Web-based Project management software package.
 - 6. Project meetings.

1.2 DEFINITIONS

- A. BIM: Building Information Modeling.
- B. RFI: Request for Information. Request from Owner, Architect, or Contractor seeking information required by or clarifications of the Contract Documents.

1.3 INFORMATIONAL SUBMITTALS

- A. Subcontract List: Prepare a written summary identifying individuals or firms proposed for each portion of the Work, including those who are to furnish products or equipment fabricated to a special design. Include the following information in tabular form:
 - 1. Name, address, telephone number, and email address of entity performing subcontract or supplying products.
 - 2. Number and title of related Specification Section(s) covered by subcontract.
 - 3. Drawing number and detail references, as appropriate, covered by subcontract.
- B. Key Personnel Names: Within 15 days of starting construction operations, submit a list of key personnel assignments, including superintendent and other personnel in attendance at Project site. Identify individuals and their duties and responsibilities; list addresses, cellular telephone numbers, and e-mail addresses. Provide names, addresses, and telephone numbers of individuals assigned as alternates in the absence of individuals assigned to Project.
 - 1. Post copies of list in Project meeting room, in temporary field office, in web-based Project software directory, and in prominent location in built facility. Keep list current at all times.

1.4 GENERAL COORDINATION PROCEDURES

- A. Coordination: Coordinate construction operations included in different Sections of the Specifications to ensure efficient and orderly installation of each part of the Work. Coordinate construction operations included in different Sections that depend on each other for proper installation, connection, and operation.
 - 1. Schedule construction operations in sequence required to obtain the best results, where installation of one part of the Work depends on installation of other components, before or after its own installation.
 - 2. Coordinate installation of different components to ensure maximum performance and accessibility for required maintenance, service, and repair.
 - 3. Make adequate provisions to accommodate items scheduled for later installation.
- B. Prepare memoranda for distribution to each party involved, outlining special procedures required for coordination. Include such items as required notices, reports, and list of attendees at meetings.
 - 1. Prepare similar memoranda for Owner and separate contractors if coordination of their Work is required.
- C. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities to avoid conflicts and to ensure orderly progress of the Work. Such administrative activities include, but are not limited to, the following:
 - 1. Preparation of Contractor's construction schedule.
 - 2. Preparation of the schedule of values.
 - 3. Installation and removal of temporary facilities and controls.
 - 4. Delivery and processing of submittals.
 - 5. Progress meetings.
 - 6. Preinstallation conferences.
 - 7. Project closeout activities.
 - 8. Startup and adjustment of systems.

1.5 REQUEST FOR INFORMATION (RFI)

- A. General: Immediately on discovery of the need for additional information, clarification, or interpretation of the Contract Documents, Contractor shall prepare and submit an RFI in the form specified.
 - 1. Architect will return without response those RFIs submitted to Architect by other entities controlled by Contractor.
 - 2. Coordinate and submit RFIs in a prompt manner to avoid delays in Contractor's work or work of subcontractors.
- B. Content of the RFI: Include a detailed, legible description of item needing information or interpretation and the following:
 - 1. Project name.

2. Owner name.
 3. Owner's Project number.
 4. Name of Architect.
 5. Architect's Project number.
 6. Date.
 7. Name of Contractor.
 8. RFI number, numbered sequentially.
 9. RFI subject.
 10. Specification Section number and title and related paragraphs, as appropriate.
 11. Drawing number and detail references, as appropriate.
 12. Field dimensions and conditions, as appropriate.
 13. Contractor's suggested resolution. If Contractor's suggested resolution impacts the Contract Time or the Contract Sum, Contractor shall state impact in the RFI.
 14. Contractor's signature.
 15. Attachments: Include sketches, descriptions, measurements, photos, Product Data, Shop Drawings, coordination drawings, and other information necessary to fully describe items needing interpretation.
 - a. Include dimensions, thicknesses, structural grid references, and details of affected materials, assemblies, and attachments on attached sketches.
- C. RFI Forms: Software-generated form with substantially the same content as indicated above, acceptable to Architect.
1. Attachments shall be electronic files in PDF format.
- D. Architect's and Construction Manager's Action: Architect will review each RFI, determine action required, and respond. Allow seven days for Architect's response for each RFI. RFIs received by Architect or Construction Manager after 1:00 p.m. will be considered as received the following working day.
1. The following Contractor-generated RFIs will be returned without action:
 - a. Requests for approval of submittals.
 - b. Requests for approval of substitutions.
 - c. Requests for approval of Contractor's means and methods.
 - d. Requests for coordination information already indicated in the Contract Documents.
 - e. Requests for adjustments in the Contract Time or the Contract Sum.
 - f. Requests for interpretation of Architect's actions on submittals.
 - g. Incomplete RFIs or inaccurately prepared RFIs.
 2. Architect's action may include a request for additional information, in which case Architect's time for response will date from time of receipt by Architect of additional information.
 3. Architect's action on RFIs that may result in a change to the Contract Time or the Contract Sum may be eligible for Contractor to submit Change Proposal according to Section 012600 "Contract Modification Procedures."
 - a. If Contractor believes the RFI response warrants change in the Contract

Time or the Contract Sum, notify Architect and Construction Manager in writing within 5 days of receipt of the RFI response.

- E. RFI Log: Prepare, maintain, and submit a tabular log of RFIs organized by the RFI number. Submit log weekly. Use software log that is part of web-based Project management software., Include the following:
 - 1. Project name.
 - 2. Name and address of Contractor.
 - 3. Name and address of Architect.
 - 4. RFI number, including RFIs that were returned without action or withdrawn.
 - 5. RFI description.
 - 6. Date the RFI was submitted.
 - 7. Date Architect's response was received.
 - 8. Identification of related Minor Change in the Work, Construction Change Directive, and Proposal Request, as appropriate.
 - 9. Identification of related Field Order, Work Change Directive, and Proposal Request, as appropriate.
- F. On receipt of Architect's action, update the RFI log and immediately distribute the RFI response to affected parties. Review response and notify Architect and Construction Manager within seven days if Contractor disagrees with response.

1.6 DIGITAL PROJECT MANAGEMENT PROCEDURES

- A. Use of Architect's Digital Data Files: Digital data files of Architect's BIM model will be provided by Architect for Contractor's use during construction.
 - 1. Digital data files may be used by Contractor in preparing coordination drawings, Shop Drawings, and Project Record Drawings.
 - 2. Architect makes no representations as to the accuracy or completeness of digital data files as they relate to Contract Drawings.
 - 3. Digital Drawing Software Program: Contract Drawings are available in **<Insert name and version of digital drawing software program and operating system>**.
 - 4. Contractor shall execute a data licensing agreement in the form of AIA Document C106 Digital Data Licensing Agreement.
 - a. Subcontractors and other parties granted access by Contractor to Architect's digital data files shall execute a data licensing agreement in the form of AIA Document C106.
 - 5. The following digital data files will be furnished for each appropriate discipline:
 - a. Floor plans.
 - b. Reflected ceiling plans.
- B. Web-Based Project Management Software Package: Provide, administer, and use web-based Project management software package for purposes of hosting and managing Project communication and documentation until Final Completion.

1. Web-based Project management software includes, at a minimum, the following features:
 - a. Compilation of Project data, including Contractor, subcontractors, Architect, Architect's consultants, Owner, and other entities involved in Project. Include names of individuals and contact information.
 - b. Access control for each entity for each workflow process, to determine entity's digital rights to create, modify, view, and print documents.
 - c. Document workflow planning, allowing customization of workflow between project entities.
 - d. Creation, logging, tracking, and notification for Project communications required in other Specification Sections, including, but not limited to, RFIs, submittals, Minor Changes in the Work, Construction Change Directives, and Change Orders.
 - e. Track status of each Project communication in real time, and log time and date when responses are provided.
 - f. Procedures for handling PDFs or similar file formats, allowing markups by each entity. Provide security features to lock markups against changes once submitted.
 - g. Processing and tracking of payment applications.
 - h. Processing and tracking of contract modifications.
 - i. Creating and distributing meeting minutes.
 - j. Document management for Drawings, Specifications, and coordination drawings, including revision control.
 - k. Management of construction progress photographs.
 - l. Mobile device compatibility, including smartphones and tablets.
 2. At completion of Project, provide digital archive in format that is readable by common desktop software applications in format acceptable to Architect. Provide data in locked format to prevent further changes.
- C. PDF Document Preparation: Where PDFs are required to be submitted to Architect, prepare as follows:
1. Assemble complete submittal package into a single indexed file, incorporating submittal requirements of a single Specification Section and transmittal form with links enabling navigation to each item.
 2. Name file with submittal number or other unique identifier, including revision identifier.
 3. Certifications: Where digitally submitted certificates and certifications are required, provide a digital signature with digital certificate on where indicated.

1.7 PROJECT MEETINGS

- A. General: Schedule and conduct meetings and conferences at Project site unless otherwise indicated.
1. Attendees: Inform participants and others involved, and individuals whose presence is required, of date and time of each meeting. Notify Owner and

- Architect of scheduled meeting dates and times a minimum of seven days prior to meeting.
2. Agenda: Prepare the meeting agenda. Distribute the agenda to all invited attendees.
 3. Minutes: Entity responsible for conducting meeting will record significant discussions and agreements achieved. Distribute the meeting minutes to everyone concerned, including Owner and Architect, within three days of the meeting.
- B. Preconstruction Conference: Schedule and conduct a preconstruction conference before starting construction, at a time convenient to Owner and Architect, but no later than 15 days after execution of the Agreement.
1. Attendees: Authorized representatives of Owner Architect, and their consultants; Contractor and its superintendent; major subcontractors; suppliers; and other concerned parties shall attend the conference. Participants at the conference shall be familiar with Project and authorized to conclude matters relating to the Work.
 2. Agenda: Discuss items of significance that could affect progress, including the following:
 - a. Responsibilities and personnel assignments.
 - b. Tentative construction schedule.
 - c. Phasing.
 - d. Critical work sequencing and long lead items.
 - e. Designation of key personnel and their duties.
 - f. Lines of communications.
 - g. Use of web-based Project software.
 - h. Procedures for processing field decisions and Change Orders.
 - i. Procedures for RFIs.
 - j. Procedures for testing and inspecting.
 - k. Procedures for processing Applications for Payment.
 - l. Distribution of the Contract Documents.
 - m. Submittal procedures.
 - n. Preparation of Record Documents.
 - o. Use of the premises.
 - p. Work restrictions.
 - q. Working hours.
 - r. Owner's occupancy requirements.
 - s. Responsibility for temporary facilities and controls.
 - t. Procedures for moisture and mold control.
 - u. Procedures for disruptions and shutdowns.
 - v. Construction waste management and recycling.
 - w. Parking availability.
 - x. Office, work, and storage areas.
 - y. Equipment deliveries and priorities.
 - z. First aid.
 - aa. Security.
 - bb. Progress cleaning.

3. Minutes: Entity responsible for conducting meeting will record and distribute meeting minutes.
- C. Preinstallation Conferences: Conduct a preinstallation conference at Project site before each construction activity when required by other Sections and when required for coordination with other construction.
1. Attendees: Installer and representatives of manufacturers and fabricators involved in or affected by the installation and its coordination or integration with other materials and installations that have preceded or will follow, shall attend the meeting. Advise Architect of scheduled meeting dates.
 2. Agenda: Review progress of other construction activities and preparations for the particular activity under consideration, including requirements for the following:
 - a. Contract Documents.
 - b. Options.
 - c. Related RFIs.
 - d. Related Change Orders.
 - e. Purchases.
 - f. Deliveries.
 - g. Submittals.
 - h. Review of mockups.
 - i. Possible conflicts.
 - j. Compatibility requirements.
 - k. Time schedules.
 - l. Weather limitations.
 - m. Manufacturer's written instructions.
 - n. Warranty requirements.
 - o. Compatibility of materials.
 - p. Acceptability of substrates.
 - q. Temporary facilities and controls.
 - r. Space and access limitations.
 - s. Regulations of authorities having jurisdiction.
 - t. Testing and inspecting requirements.
 - u. Installation procedures.
 - v. Coordination with other work.
 - w. Required performance results.
 - x. Protection of adjacent work.
 - y. Protection of construction and personnel.
 3. Record significant conference discussions, agreements, and disagreements, including required corrective measures and actions.
 4. Reporting: Distribute minutes of the meeting to each party present and to other parties requiring information.
 5. Do not proceed with installation if the conference cannot be successfully concluded. Initiate whatever actions are necessary to resolve impediments to performance of the Work and reconvene the conference at earliest feasible date.
- D. Project Closeout Conference: Schedule and conduct a project closeout conference, at a time convenient to Owner and Architect, but no later than 90 days prior to the

scheduled date of Substantial Completion.

1. Conduct the conference to review requirements and responsibilities related to Project closeout.
 2. Attendees: Authorized representatives of Owner, Architect, and their consultants; Contractor and its superintendent; major subcontractors; suppliers; and other concerned parties shall attend the meeting. Participants at the meeting shall be familiar with Project and authorized to conclude matters relating to the Work.
 3. Agenda: Discuss items of significance that could affect or delay Project closeout, including the following:
 - a. Preparation of Record Documents.
 - b. Procedures required prior to inspection for Substantial Completion and for final inspection for acceptance.
 - c. Procedures for completing and archiving web-based Project software site data files.
 - d. Submittal of written warranties.
 - e. Requirements for preparing operations and maintenance data.
 - f. Requirements for delivery of material samples, attic stock, and spare parts.
 - g. Requirements for demonstration and training.
 - h. Preparation of Contractor's punch list.
 - i. Procedures for processing Applications for Payment at Substantial Completion and for final payment.
 - j. Submittal procedures.
 - k. Coordination of separate contracts.
 - l. Owner's partial occupancy requirements.
 - m. Installation of Owner's furniture, fixtures, and equipment.
 - n. Responsibility for removing temporary facilities and controls.
 4. Minutes: Entity conducting meeting will record and distribute meeting minutes.
- E. Progress Meetings: Conduct progress meetings at regular intervals.
1. Coordinate dates of meetings with preparation of payment requests.
 2. Attendees: In addition to representatives of Owner and Architect, each contractor, subcontractor, supplier, and other entity concerned with current progress or involved in planning, coordination, or performance of future activities shall be represented at these meetings. All participants at the meeting shall be familiar with Project and authorized to conclude matters relating to the Work.
 3. Agenda: Review and correct or approve minutes of previous progress meeting. Review other items of significance that could affect progress. Include topics for discussion as appropriate to status of Project.
 - a. Contractor's Construction Schedule: Review progress since the last meeting. Determine whether each activity is on time, ahead of schedule, or behind schedule, in relation to Contractor's construction schedule. Determine how construction behind schedule will be expedited; secure commitments from parties involved to do so. Discuss whether schedule revisions are required to ensure that current and subsequent activities will

be completed within the Contract Time.

- 1) Review schedule for next period.
- b. Review present and future needs of each entity present, including the following:
 - 1) Interface requirements.
 - 2) Sequence of operations.
 - 3) Status of submittals.
 - 4) Deliveries.
 - 5) Off-site fabrication.
 - 6) Access.
 - 7) Site use.
 - 8) Temporary facilities and controls.
 - 9) Progress cleaning.
 - 10) Quality and work standards.
 - 11) Status of correction of deficient items.
 - 12) Field observations.
 - 13) Status of RFIs.
 - 14) Status of Proposal Requests.
 - 15) Pending changes.
 - 16) Status of Change Orders.
 - 17) Pending claims and disputes.
 - 18) Documentation of information for payment requests.
4. Minutes: Entity responsible for conducting the meeting will record and distribute the meeting minutes to each party present and to parties requiring information.
 - a. Schedule Updating: Revise Contractor's construction schedule after each progress meeting, where revisions to the schedule have been made or recognized. Issue revised schedule concurrently with the report of each meeting.
- F. Coordination Meetings: Conduct Project coordination meetings at regular intervals. Project coordination meetings are in addition to specific meetings held for other purposes, such as progress meetings and preinstallation conferences.
 1. Attendees: In addition to representatives of Owner and Architect, each contractor, subcontractor, supplier, and other entity concerned with current progress or involved in planning, coordination, or performance of future activities shall be represented at these meetings. All participants at the meetings shall be familiar with Project and authorized to conclude matters relating to the Work.
 2. Agenda: Review and correct or approve minutes of the previous coordination meeting. Review other items of significance that could affect progress. Include topics for discussion as appropriate to status of Project.
 - a. Combined Contractor's Construction Schedule: Review progress since the last coordination meeting. Determine whether each contract is on time, ahead of schedule, or behind schedule, in relation to combined Contractor's

- construction schedule. Determine how construction behind schedule will be expedited; secure commitments from parties involved to do so. Discuss whether schedule revisions are required to ensure that current and subsequent activities will be completed within the Contract Time.
- b. Schedule Updating: Revise combined Contractor's construction schedule after each coordination meeting, where revisions to the schedule have been made or recognized. Issue revised schedule concurrently with report of each meeting.
 - c. Review present and future needs of each contractor present, including the following:
 - 1) Interface requirements.
 - 2) Sequence of operations.
 - 3) Status of submittals.
 - 4) Deliveries.
 - 5) Off-site fabrication.
 - 6) Access.
 - 7) Site use.
 - 8) Temporary facilities and controls.
 - 9) Work hours.
 - 10) Hazards and risks.
 - 11) Progress cleaning.
 - 12) Quality and work standards.
 - 13) Status of RFIs.
 - 14) Proposal Requests.
 - 15) Change Orders.
 - 16) Pending changes.
3. Reporting: Record meeting results and distribute copies to everyone in attendance and to others affected by decisions or actions resulting from each meeting.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 013100

SECTION 013200 - CONSTRUCTION PROGRESS DOCUMENTATION

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for documenting the progress of construction during performance of the Work, including the following:
 - 1. Contractor's Construction Schedule.
 - 2. Construction schedule updating reports.
 - 3. Daily construction reports.
 - 4. Site condition reports.
 - 5. Unusual event reports.

1.2 INFORMATIONAL SUBMITTALS

- A. Format for Submittals: Submit required submittals in the following format:
 - 1. Working electronic copy of schedule file.
- B. Contractor's Construction Schedule: Initial schedule, of size required to display entire schedule for entire construction period.
 - 1. Submit a working digital copy of schedule, using software indicated, and labeled to comply with requirements for submittals.
- C. Construction Schedule Updating Reports: Submit with Applications for Payment.
- D. Daily Construction Reports: Submit at weekly intervals.
- E. Site Condition Reports: Submit at time of discovery of differing conditions.
- F. Unusual Event Reports: Submit at time of unusual event.

1.3 COORDINATION

- A. Coordinate Contractor's Construction Schedule with the schedule of values, list of subcontracts, submittal schedule, progress reports, payment requests, and other required schedules and reports.
 - 1. Secure time commitments for performing critical elements of the Work from entities involved.
 - 2. Coordinate each construction activity in the network with other activities, and schedule them in proper sequence.

1.4 CONTRACTOR'S CONSTRUCTION SCHEDULE

- A. Computer Scheduling Software: Prepare schedules using current version of a program that has been developed specifically to manage construction schedules.
 - 1. Use scheduling component of Project management software package specified in Section 013100 "Project Management and Coordination," for current Windows operating system.
- B. Time Frame: Extend schedule from date established for commencement of the Work to date of Substantial Completion.
 - 1. Contract completion date to not be changed by submission of a schedule that shows an early completion date, unless specifically authorized by Change Order.
- C. Activities: Treat each floor or separate area as a separate numbered activity for each main element of the Work. Comply with the following:
 - 1. Activity Duration: Define activities so no activity is longer than 20 days, unless specifically allowed by Architect.
 - 2. Temporary Facilities: Indicate start and completion dates for the following as applicable:
 - a. Securing of approvals and permits required for performance of the Work.
 - b. Temporary facilities.
 - c. Construction of mock-ups, prototypes and samples.
 - d. Owner interfaces and furnishing of items.
 - e. Interfaces with Separate Contracts.
 - f. Regulatory agency approvals.
 - g. Punch list.
 - 3. Submittal Review Time: Include review and resubmittal times indicated in Section 013300 "Submittal Procedures" in schedule. Coordinate submittal review times in Contractor's Construction Schedule with submittal schedule.
 - 4. Substantial Completion: Indicate completion in advance of date established for Substantial Completion, and allow time for Architect's administrative procedures necessary for certification of Substantial Completion.
 - 5. Punch List and Final Completion: Include not more than 30 days for completion of punch list items and Final Completion.
- D. Constraints: Include constraints and work restrictions indicated in the Contract Documents and as follows in schedule, and show how the sequence of the Work is affected.
 - 1. Phasing: Arrange list of activities on schedule by phase.
 - 2. Work Restrictions: Show the effect of the following items on the schedule:
 - a. Use-of-premises restrictions.
 - b. Seasonal variations.
 - c. Environmental control.

3. Work Stages: Indicate important stages of construction for each major portion of the Work, including, but not limited to, the following:
 - a. Subcontract awards.
 - b. Submittals.
 - c. Purchases.
 - d. Mockups.
 - e. Fabrication.
 - f. Sample testing.
 - g. Deliveries.
 - h. Installation.
 - i. Tests and inspections.
 - j. Adjusting.
 - k. Curing.
 - l. Startup and placement into final use and operation.
4. Construction Areas: Identify each major area of construction for each major portion of the Work. Indicate where each construction activity within a major area must be sequenced or integrated with other construction activities to provide for the following:
 - a. Structural completion.
 - b. Temporary enclosure and space conditioning.
 - c. Permanent space enclosure.
 - d. Completion of mechanical installation.
 - e. Completion of electrical installation.
 - f. Substantial Completion.
- E. Milestones: Include milestones indicated in the Contract Documents in schedule, including, but not limited to, the Notice to Proceed, Substantial Completion, and Final Completion.
- F. Cost Correlation: Superimpose a cost correlation timeline, indicating planned and actual costs. On the line, show planned and actual dollar volume of the Work performed as of planned and actual dates used for preparation of payment requests.
 1. See Section 012900 "Payment Procedures" for cost reporting and payment procedures.
- G. Upcoming Work Summary: Prepare summary report indicating activities scheduled to occur or commence prior to submittal of next schedule update. Summarize the following issues:
 1. Unresolved issues.
 2. Unanswered Requests for Information.
 3. Rejected or unreturned submittals.
 4. Notations on returned submittals.
 5. Pending modifications affecting the Work and the Contract Time.
- H. Contractor's Construction Schedule Updating: At monthly intervals, update schedule to

reflect actual construction progress and activities. Issue schedule one week before each regularly scheduled progress meeting.

1. Revise schedule immediately after each meeting or other activity where revisions have been recognized or made. Issue updated schedule concurrently with the report of each such meeting.
 2. Include a report with updated schedule that indicates every change, including, but not limited to, changes in logic, durations, actual starts and finishes, and activity durations.
 3. As the Work progresses, indicate Final Completion percentage for each activity.
- I. Recovery Schedule: When periodic update indicates the Work is 14 or more calendar days behind the current approved schedule, submit a separate recovery schedule indicating means by which Contractor intends to regain compliance with the schedule. Indicate changes to working hours, working days, crew sizes, equipment required to achieve compliance, and date by which recovery will be accomplished.
- J. Distribution: Distribute copies of approved schedule to Architect Owner, separate contractors, testing and inspecting agencies, and other parties identified by Contractor with a need-to-know schedule responsibility.
1. Post copies in Project meeting rooms and temporary field offices.
 2. When revisions are made, distribute updated schedules to the same parties and post in the same locations. Delete parties from distribution when they have completed their assigned portion of the Work and are no longer involved in performance of construction activities.

1.5 GANTT-CHART SCHEDULE REQUIREMENTS

- A. Gantt-Chart Schedule: Submit a comprehensive, fully developed, horizontal, Gantt-chart-type, Contractor's Construction Schedule within 30 days of date established for commencement of the Work.
1. Base schedule on the startup construction schedule and additional information received since the start of Project.
- B. Preparation: Indicate each significant construction activity separately. Identify first workday of each week with a continuous vertical line.
1. For construction activities that require three months or longer to complete, indicate an estimated completion percentage in 10 percent increments within time bar.

1.6 REPORTS

- A. Daily Construction Reports: Prepare a daily construction report recording the following information concerning events at Project site:
1. List of subcontractors at Project site.

2. Equipment at Project site.
 3. Material deliveries.
 4. High and low temperatures and general weather conditions, including presence of rain or snow.
 5. Testing and inspection.
 6. Accidents.
 7. Meetings and significant decisions.
 8. Unusual events.
 9. Stoppages, delays, shortages, and losses.
 10. Meter readings and similar recordings.
 11. Emergency procedures.
 12. Orders and requests of authorities having jurisdiction.
 13. Change Orders received and implemented.
 14. Construction Change Directives received and implemented.
 15. Services connected and disconnected.
 16. Equipment or system tests and startups.
 17. Partial completions and occupancies.
 18. Substantial Completions authorized.
- B. Site Condition Reports: Immediately on discovery of a difference between site conditions and the Contract Documents, prepare and submit a detailed report. Submit with a Request for Information. Include a detailed description of the differing conditions, together with recommendations for changing the Contract Documents.
- C. Unusual Event Reports: When an event of an unusual and significant nature occurs at Project site, whether or not related directly to the Work, prepare and submit a special report. List chain of events, persons participating, responses by Contractor's personnel, evaluation of results or effects, and similar pertinent information. Advise Owner in advance when these events are known or predictable.
1. Submit unusual event reports directly to Owner within one day(s) of an occurrence. Distribute copies of report to parties affected by the occurrence.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 013200

SECTION 013233 - PHOTOGRAPHIC DOCUMENTATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements for the following:

1. Preconstruction photographs.
2. Concealed Work photographs.
3. Periodic construction photographs.
- ~~4. Time-lapse sequence construction photographs.~~
- 5.4. Final Completion construction photographs.
- ~~6. Preconstruction video recordings.~~
- ~~7. Periodic construction video recordings.~~
- ~~8. Time-lapse sequence construction video recordings.~~
- ~~9. Construction webcam.~~

~~B. Related Requirements:~~

- ~~1. Section 017700 "Closeout Procedures" for submitting photographic documentation as Project Record Documents at Project closeout.~~
- ~~2. Section 017900 "Demonstration and Training" for submitting video recordings of demonstration of equipment and training of Owner's personnel.~~
- ~~3. Section 024116 "Structure Demolition" for photographic documentation before building demolition operations commence.~~
- ~~4. Section 024119 "Selective Demolition" for photographic documentation before selective demolition operations commence.~~
- ~~5. Section 311000 "Site Clearing" for photographic documentation before site clearing operations commence.~~

1.2 INFORMATIONAL SUBMITTALS

- A. Key Plan: Submit key plan of Project site and building with notation of vantage points marked for location and direction of each photograph. Indicate elevation or story of construction. Include same information as corresponding photographic documentation.
- B. Digital Photographs: Submit image files within three days of taking photographs.
1. Submit photos by uploading to web-based Project management software site. Include copy of key plan indicating each photograph's location and direction.
 2. Identification: Provide the following information with each image description in web-based Project management software site:
 - a. Name of Project.
 - b. Name and contact information for photographer.
 - c. Name of Architect and Construction Manager.

- d. Name of Contractor.
- e. Date photograph was taken.
- f. Description of location, vantage point, and direction.
- g. Unique sequential identifier keyed to accompanying key plan.

~~C. Printed Photographs: Submit [two] <Insert number> sets of prints of each photographic view within [seven] <Insert number> days of taking photographs.~~

~~1. Format: 8-by-10-inch smooth surface matte prints on single weight, paper; enclosed back to back in clear plastic sleeves punched for three-ring binder. Include copy of key plan indicating each photograph's location and direction. Provide one binder for each set of prints.~~

~~2. Identification: On back of each print, label with the following information:~~

- ~~a. Name of Project.~~
- ~~b. Name and contact information for photographer.~~
- ~~c. Name of Architect[and Construction Manager].~~
- ~~d. Name of Contractor.~~
- ~~e. Date photograph was taken if not date stamped by camera.~~
- ~~f. Description of vantage point, indicating location, direction (by compass point), and elevation or story of construction.~~
- ~~g. Unique sequential identifier keyed to accompanying key plan.~~

~~D. Video Recordings: Submit video recordings within [seven] <Insert number> days of recording.~~

~~1. Submit video recordings [on CD-ROM or thumb drive] [by uploading to web-based Project management software site]. Include copy of key plan indicating each video's location and direction.~~

~~2. Identification: With each submittal, provide the following information [in file metadata tag] [on web-based Project management software site]:~~

- ~~a. Name of Project.~~
- ~~b. Name and contact information for photographer.~~
- ~~c. Name of Architect[and Construction Manager].~~
- ~~d. Name of Contractor.~~
- ~~e. Date video recording was recorded.~~
- ~~f. Description of vantage point, indicating location, direction (by compass point), and elevation or story of construction.~~

~~3. Transcript: Prepared on 8-1/2-by-11-inch paper, punched and bound in three-ring binders. Provide label on front and spine. Include a cover sheet with label information. Include name of Project and date of video recording on each page.~~

~~E. Time Lapse Video: Submit time lapse sequence video recordings within <Insert number> days of recording.~~

~~1. Submit time lapse sequence video recordings [monthly] <Insert frequency> [on CD-ROM or thumb drive] [by uploading to web-based Project management software site].~~

~~2. Identification: For each recording, provide the following information [in file metadata tag] [on web-based Project management software site]:~~

- ~~a. Name of Project.~~
- ~~b. Name and contact information for photographer.~~
- ~~c. Name of Architect [and Construction Manager].~~
- ~~d. Name of Contractor.~~
- ~~e. Date(s) and time(s) video recording was recorded.~~
- ~~f. Description of vantage point, indicating location, direction (by compass point), and elevation or story of construction.~~

~~1.3~~ QUALITY ASSURANCE

~~A. Photographer Qualifications: An individual who has been regularly engaged as a professional photographer of construction projects for not less than three years.~~

~~B. Construction Webcam Service Provider: A firm specializing in providing photographic equipment, web-based software, and related services for construction projects, with a record of providing satisfactory services similar to those required for Project.~~

4.41.3 FORMATS AND MEDIA

A. Digital Photographs: Provide color images in JPG format, produced by a digital camera with minimum sensor size of 12 megapixels, and at an image resolution of not less than 3200 by 2400 pixels, and with vibration-reduction technology. Use flash in low light levels or backlit conditions.

~~B. Digital Video Recordings: Provide high-resolution, digital video in MPEG format, produced by a digital camera with minimum sensor resolution of [12] <Insert number> megapixels and capable of recording in full high-definition mode [with vibration-reduction technology]. Provide supplemental lighting in low light levels or backlit conditions.~~

~~C.B.~~ Digital Images: Submit digital media as originally recorded in the digital camera, without alteration, manipulation, editing, or modifications using image-editing software.

~~D.C.~~ Metadata: Record accurate date and time and GPS location data from camera.

~~E. File Names: Name media files with [date] [Project area] <Insert requirement> and sequential numbering suffix.~~

4.51.4 CONSTRUCTION PHOTOGRAPHS

~~A. Photographer: Engage a qualified photographer to take construction photographs.~~

~~B.A.~~ General: Take photographs with maximum depth of field and in focus.

1. Maintain key plan with each set of construction photographs that identifies each

photographic location.

C.B. Preconstruction Photographs: Before commencement of the Work, take photographs of Project site and surrounding properties, including existing items to remain during construction, from different vantage points, as directed by Architect.

1. Flag excavation areas before taking construction photographs.
2. Take photographs to show existing conditions adjacent to property before starting the Work.

~~3. Take photographs of existing buildings either on or adjoining property, to accurately record physical conditions at start of construction.~~

4.3. Take additional photographs as required to record settlement or cracking of adjacent structures, pavements, and improvements.

D.C. Concealed Work Photographs: Before proceeding with installing work that will conceal other work, take photographs sufficient in number, with annotated descriptions, to record nature and location of concealed Work, including, but not limited to, the following:

1. Underground utilities.
2. Underslab services.
3. Piping.
4. Electrical conduit.
5. Waterproofing and weather-resistant barriers.

~~6. <Insert description of Work>.~~

E.D. Periodic Construction Photographs: Take photographs coinciding with the cutoff date associated with each Application for Payment. Select vantage points to show status of construction and progress since last photographs were taken.

~~F. Time Lapse Sequence Construction Photographs: Take [20] <Insert number> photographs as indicated, to show status of construction and progress since last photographs were taken.~~

~~1. Frequency: Take photographs [monthly, on the same date each month] [weekly, on the same day each week] <Insert time interval>.~~

~~2. Vantage Points: Following suggestions by [Architect] [Construction Manager] and Contractor, photographer to select vantage points. During each of the following construction phases, take not less than [two] <Insert number> of the required shots from same vantage point each time, to create a time-lapse sequence as follows:~~

- ~~a. Commencement of the Work, through completion of subgrade construction.~~
- ~~b. Above-grade structural framing.~~
- ~~c. Exterior building enclosure.~~
- ~~d. Interior Work, through date of Substantial Completion.~~
- ~~e. <Insert vantage point>.~~

G.E. Final Completion Construction Photographs: Take photographs after date of Substantial Completion for submission as Project Record Documents. Architect will

inform photographer of desired vantage points.

H. ~~Additional Photographs: Architect may request photographs in addition to periodic photographs specified. Additional photographs will be paid for by Change Order and are not included in the Contract Sum~~ **[or in the allowance for construction photographs].**

- ~~1. Three days' notice will be given, where feasible.~~
- ~~2. In emergency situations, take additional photographs within 24 hours of request.~~
- ~~3. Circumstances that could require additional photographs include, but are not limited to, the following:~~
 - ~~a. Special events planned at Project site.~~
 - ~~b. Immediate follow up when on-site events result in construction damage or losses.~~
 - ~~c. Photographs are to be taken at fabrication locations away from Project site. These photographs are not subject to unit prices or unit cost allowances.~~
 - ~~d. Substantial Completion of a major phase or component of the Work.~~
 - ~~e. Extra record photographs at time of final acceptance.~~
 - ~~f. Owner's request for special publicity photographs.~~

1.6 ~~CONSTRUCTION VIDEO RECORDINGS~~

- A. ~~Video Recording Photographer: Engage a qualified videographer to record construction video recordings.~~
- B. ~~Narration: Describe scenes on video recording by~~ **[audio narration by microphone while]** ~~[or] [dubbing audio narration off-site after] video recording is recorded. Include description of items being viewed, recent events, and planned activities. At each change in location, describe vantage point, location, direction (by compass point), and elevation or story of construction.~~
- ~~1. Confirm date and time at beginning and end of recording.~~
 - ~~2. Begin each video recording with name of Project, Contractor's name, videographer's name, and Project location.~~
- C. ~~Transcript: Provide a typewritten transcript of the narration. Display images and running time captured from video recording opposite the corresponding narration segment.~~
- D. ~~Preconstruction Video Recording: Before starting~~ **[excavation] [demolition] [construction],** ~~record video recording of Project site and surrounding properties from different vantage points, as directed by~~ **[Architect] [Construction Manager].**
- ~~1. Flag~~ **[excavation areas] [construction limits]** ~~before recording construction video recordings.~~
 - ~~2. Show existing conditions adjacent to Project site before starting the Work.~~
 - ~~3. Show existing buildings either on or adjoining Project site to accurately record physical conditions at the start of~~ **[excavation] [demolition] [construction].**
 - ~~4. Show protection efforts by Contractor.~~

- E. ~~Periodic Construction Video Recordings: Record video recording [monthly] [weekly] <Insert time interval> [coinciding with the cutoff date associated with each Application for Payment]. Select vantage points to show status of construction and progress since last video recordings were recorded. Minimum recording time to be [30] <Insert number> minutes(s).~~
- F. ~~Time Lapse Sequence Construction Video Recordings: Record video recording to show status of construction and progress.~~
1. ~~Frequency: During each of the following construction phases, set up video recorder to automatically record one frame of video recording every [five] <Insert time> minutes, from same vantage point each time, to create a time lapse sequence of [30 minutes] <Insert time> in length as follows:~~
 - a. ~~Commencement of the Work, through completion of subgrade construction.~~
 - b. ~~Above grade structural framing.~~
 - c. ~~Exterior building enclosure.~~
 - d. ~~<Insert construction phase>.~~
 2. ~~Timer: Provide timer to automatically start and stop video recorder, so recording occurs only during [daylight] [construction work] hours.~~
 3. ~~Vantage Points: Following suggestions by [Architect] [Construction Manager] and Contractor, photographer to select vantage points.~~

1.7 CONSTRUCTION WEBCAM

- A. ~~Webcam: Provide [one] [two] <Insert number> fixed location camera(s) with weatherproof housing, mounted to provide unobstructed view of construction site from location approved by Architect, with the following characteristics:~~
1. ~~[Static view] [Remotely controllable view with mouse click user navigation for horizontal pan, vertical tilt, and optical zoom of 500 percent minimum].~~
 2. ~~Capable of producing minimum [8] [12] <Insert number> megapixel images.~~
 3. ~~Provide [pole mount,] [parapet mount,] power supply, [solar power station,] active high speed data connection to service provider's network, and static public IP address for each camera.~~
- B. ~~Live Streaming Images: Provide web accessible image of current site image, updated at [five] [15] <Insert number> minute intervals [during daytime operation] [when construction is underway].~~
- C. ~~Web Based Interface: Provide online interface to allow viewing of each high definition digital still image captured and stored during construction, from the Internet.~~
1. ~~Access Control: Provide password protected access for Project team administered by Contractor, providing current image access and archival image access by date and time, with images downloadable to viewer's device.~~
 2. ~~Software: Provide responsive software interface for use on computer, tablet, and mobile screens with accompanying iPhone/iPad app and Android apps.~~
 3. ~~Storage: Maintain images on the website for reference during entire construction~~

- ~~period, and for not less than 30 days after Final Completion. Provide sufficient memory on remote server to store all Project images.~~
- ~~4. Online Interface: Provide website interface with Project and client information and logos, calendar based navigation interface for selecting images, and pan and zoom capability within high definition images.~~
 - ~~5. Forward and Reverse: Provide capability to browse through images, moving forward and backward in time by individual image and by day.~~
 - ~~6. Slideshow: Provide capability to automatically display current images from sites when there are three or more cameras used.~~
 - ~~7. Time Lapse: Provide capability for online display of project time lapse.~~
 - ~~8. Dashboard: Provide capability to view thumbnails of all cameras on one screen.~~
 - ~~9. Weather: Provide corresponding weather data for each image captured.~~
 - ~~10. Provide public viewer open access[**to most recent Project camera image**].~~
- ~~D. Maintain cameras and web based access in good working order, in accordance with web based construction photographic documentation service provider's written instructions until Final Completion. Provide for service of cameras and related networking devices and software.~~

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 013233

SECTION 013300 - SUBMITTAL PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Submittal schedule requirements.
2. Administrative and procedural requirements for submittals.

1.2 SUBMITTAL FORMATS

A. Submittal Information: Include the following information in each submittal:

1. Project name.
2. Date.
3. Name of Architect.
4. Name of Contractor.
5. Name of firm or entity that prepared submittal.
6. Names of subcontractor, manufacturer, and supplier.
7. Unique submittal number, including revision identifier. Include Specification Section number with sequential alphanumeric identifier and alphanumeric suffix for resubmittals.
8. Category and type of submittal.
9. Submittal purpose and description.
10. Number and title of Specification Section, with paragraph number and generic name for each of multiple items.
11. Drawing number and detail references, as appropriate.
12. Indication of full or partial submittal.
13. Location(s) where product is to be installed, as appropriate.
14. Other necessary identification.
15. Remarks.
16. Signature of transmitter.

B. Deviations and Additional Information: On each submittal, clearly indicate deviations from requirements in the Contract Documents, including minor variations and limitations; include relevant additional information and revisions, other than those requested by Architect on previous submittals. Indicate by highlighting on each submittal or noting on attached separate sheet.

C. Electronic Submittals: Prepare submittals as PDF package, incorporating complete information into each PDF file. Name PDF file with submittal number.

D. Submittals Utilizing Web-Based Project Software: Prepare submittals as PDF files or other format indicated by Project management software.

1.3 SUBMITTAL PROCEDURES

- A. Prepare and submit submittals required by individual Specification Sections. Types of submittals are indicated in individual Specification Sections.
 - 1. Web-Based Project Management Software: Prepare submittals in PDF form, and upload to web-based Project management software website. Enter required data in web-based software site to fully identify submittal.
- B. Coordination: Coordinate preparation and processing of submittals with performance of construction activities.
 - 1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
 - 2. Submit all submittal items required for each Specification Section concurrently unless partial submittals for portions of the Work are indicated on approved submittal schedule.
 - 3. Submit action submittals and informational submittals required by the same Specification Section as separate packages under separate transmittals.
- C. Processing Time: Allow time for submittal review, including time for resubmittals, as follows. Time for review shall commence on Architect's receipt of submittal. No extension of the Contract Time will be authorized because of failure to transmit submittals enough in advance of the Work to permit processing, including resubmittals.
 - 1. Initial Review: Allow 15 days for initial review of each submittal. Allow additional time if coordination with subsequent submittals is required. Architect will advise Contractor when a submittal being processed must be delayed for coordination.
 - 2. Intermediate Review: If intermediate submittal is necessary, process it in same manner as initial submittal.
 - 3. Resubmittal Review: Allow 15 days for review of each resubmittal.
- D. Resubmittals: Make resubmittals in same form and number of copies as initial submittal.
 - 1. Note date and content of previous submittal.
 - 2. Note date and content of revision in label or title block, and clearly indicate extent of revision.
 - 3. Resubmit submittals until they are marked with approval notation from Architect's action stamp.
- E. Distribution: Furnish copies of final submittals to manufacturers, subcontractors, suppliers, fabricators, installers, authorities having jurisdiction, and others as necessary for performance of construction activities. Show distribution on transmittal forms.
- F. Use for Construction: Retain complete copies of submittals on Project site. Use only final action submittals that are marked with approval notation from Architect's action stamp.

1.4 SUBMITTAL REQUIREMENTS

- A. Product Data: Collect information into a single submittal for each element of construction and type of product or equipment.
 - 1. If information must be specially prepared for submittal because standard published data are unsuitable for use, submit as Shop Drawings, not as Product Data.
 - 2. Mark each copy of each submittal to show which products and options are applicable.
 - 3. Include the following information, as applicable:
 - a. Manufacturer's catalog cuts.
 - b. Manufacturer's product specifications.
 - c. Standard color charts.
 - d. Statement of compliance with specified referenced standards.
 - e. Testing by recognized testing agency.
 - f. Application of testing agency labels and seals.
 - g. Notation of coordination requirements.
 - h. Availability and delivery time information.
 - 4. For equipment, include the following in addition to the above, as applicable:
 - a. Wiring diagrams that show factory-installed wiring.
 - b. Printed performance curves.
 - c. Operational range diagrams.
 - d. Clearances required to other construction, if not indicated on accompanying Shop Drawings.
 - 5. Submit Product Data before Shop Drawings, and before or concurrently with Samples.
- B. Shop Drawings: Prepare Project-specific information, drawn accurately to scale. Do not base Shop Drawings on reproductions of the Contract Documents or standard printed data unless submittal based on Architect's digital data drawing files is otherwise permitted.
 - 1. Preparation: Fully illustrate requirements in the Contract Documents. Include the following information, as applicable:
 - a. Identification of products.
 - b. Schedules.
 - c. Compliance with specified standards.
 - d. Notation of coordination requirements.
 - e. Notation of dimensions established by field measurement.
 - f. Relationship and attachment to adjoining construction clearly indicated.
 - g. Seal and signature of professional engineer if specified.
- C. Samples: Submit Samples for review of type, color, pattern, and texture for a check of these characteristics with other materials.

1. Transmit Samples that contain multiple, related components, such as accessories together in one submittal package.
2. Identification: Permanently attach label on unexposed side of Samples that includes the following:
 - a. Project name and submittal number.
 - b. Generic description of Sample.
 - c. Product name and name of manufacturer.
 - d. Sample source.
 - e. Number and title of applicable Specification Section.
 - f. Specification paragraph number and generic name of each item.
3. Web-Based Project Management Software: Prepare submittals in PDF form, and upload to web-based Project software website. Enter required data in web-based software site to fully identify submittal.
4. Paper Transmittal: Include paper transmittal, including complete submittal information indicated.
5. Disposition: Maintain sets of approved Samples at Project site, available for quality-control comparisons throughout the course of construction activity. Sample sets may be used to determine final acceptance of construction associated with each set.
 - a. Samples that may be incorporated into the Work are indicated in individual Specification Sections. Such Samples must be in an undamaged condition at time of use.
 - b. Samples not incorporated into the Work, or otherwise designated as Owner's property, are the property of Contractor.
6. Samples for Initial Selection: Submit manufacturer's color charts consisting of units or sections of units, showing the full range of colors, textures, and patterns available.
 - a. Number of Samples: Submit one full set(s) of available choices where color, pattern, texture, or similar characteristics are required to be selected from manufacturer's product line. Architect, through Construction Manager, will return submittal with options selected.
7. Samples for Verification: Submit full-size units or Samples of size indicated, prepared from same material to be used for the Work, cured and finished in manner specified, and physically identical with material or product proposed for use, and that show full range of color and texture variations expected. Samples include, but are not limited to, the following: partial sections of manufactured or fabricated components; small cuts or containers of materials; complete units of repetitively used materials; swatches showing color, texture, and pattern; color range sets; and components used for independent testing and inspection.
 - a. Number of Samples: Submit three sets of Samples. Architect and Construction Manager will retain two Sample sets; remainder will be returned. Mark up and retain one returned Sample set as a project record Sample.

- 1) Submit a single Sample where assembly details, workmanship, fabrication techniques, connections, operation, and other similar characteristics are to be demonstrated.
 - 2) If variation in color, pattern, texture, or other characteristic is inherent in material or product represented by a Sample, submit at least three sets of paired units that show approximate limits of variations.
- D. Product Schedule: As required in individual Specification Sections, prepare a written summary indicating types of products required for the Work and their intended location. Include the following information in tabular form:
1. Type of product. Include unique identifier for each product indicated in the Contract Documents or assigned by Contractor if none is indicated.
 2. Manufacturer and product name, and model number if applicable.
 3. Number and name of room or space.
 4. Location within room or space.
- E. Qualification Data: Prepare written information that demonstrates capabilities and experience of firm or person. Include lists of completed projects with project names and addresses, contact information of architects and owners, and other information specified.
- F. Design Data: Prepare and submit written and graphic information indicating compliance with indicated performance and design criteria in individual Specification Sections. Include list of assumptions and summary of loads. Include load diagrams if applicable. Provide name and version of software, if any, used for calculations. Number each page of submittal.
- G. Certificates:
1. Certificates and Certifications Submittals: Submit a statement that includes signature of entity responsible for preparing certification. Certificates and certifications shall be signed by an officer or other individual authorized to sign documents on behalf of that entity. Provide a notarized signature where indicated.
 2. Installer Certificates: Submit written statements on manufacturer's letterhead, certifying that Installer complies with requirements in the Contract Documents and, where required, is authorized by manufacturer for this specific Project.
 3. Manufacturer Certificates: Submit written statements on manufacturer's letterhead, certifying that manufacturer complies with requirements in the Contract Documents. Include evidence of manufacturing experience where required.
 4. Material Certificates: Submit written statements on manufacturer's letterhead, certifying that material complies with requirements in the Contract Documents.
 5. Product Certificates: Submit written statements on manufacturer's letterhead, certifying that product complies with requirements in the Contract Documents.
 6. Welding Certificates: Prepare written certification that welding procedures and personnel comply with requirements in the Contract Documents. Submit record of AWS B2.1/B2.1M on AWS forms. Include names of firms and personnel certified.

H. Test and Research Reports:

1. Compatibility Test Reports: Submit reports written by a qualified testing agency, on testing agency's standard form, indicating and interpreting results of compatibility tests performed before installation of product. Include written recommendations for substrate preparation and primers required.
2. Field Test Reports: Submit written reports indicating and interpreting results of field tests performed either during installation of product or after product is installed in its final location, for compliance with requirements in the Contract Documents.
3. Material Test Reports: Submit reports written by a qualified testing agency, on testing agency's standard, indicating and interpreting test results of material for compliance with requirements form in the Contract Documents.
4. Preconstruction Test Reports: Submit reports written by a qualified testing agency, on testing agency's standard form, indicating and interpreting results of tests performed before installation of product, for compliance with performance requirements in the Contract Documents.
5. Product Test Reports: Submit written reports indicating that current product produced by manufacturer complies with requirements in the Contract Documents. Base reports on evaluation of tests performed by manufacturer and witnessed by a qualified testing agency, or on comprehensive tests performed by a qualified testing agency.
6. Research Reports: Submit written evidence, from a model code organization acceptable to authorities having jurisdiction, that product complies with building code in effect for Project. Include the following information:
 - a. Name of evaluation organization.
 - b. Date of evaluation.
 - c. Time period when report is in effect.
 - d. Product and manufacturers' names.
 - e. Description of product.
 - f. Test procedures and results.
 - g. Limitations of use.

1.5 DELEGATED DESIGN SERVICES

- A. Performance and Design Criteria: Where professional design services or certifications by a design professional are specifically required of Contractor by the Contract Documents, provide products and systems complying with specific performance and design criteria indicated.
 1. If criteria indicated are insufficient to perform services or certification required, submit a written request for additional information to Architect.
- B. Delegated Design Services Certification: In addition to Shop Drawings, Product Data, and other required submittals, submit digitally signed PDF file paper copies of certificate, signed and sealed by the responsible design professional, for each product and system specifically assigned to Contractor to be designed or certified by a design professional.

1. Indicate that products and systems comply with performance and design criteria in the Contract Documents. Include list of codes, loads, and other factors used in performing these services.

1.6 CONTRACTOR'S REVIEW

- A. Action Submittals and Informational Submittals: Review each submittal and check for coordination with other Work of the Contract and for compliance with the Contract Documents. Note corrections and field dimensions. Mark with approval stamp before submitting to Architect.
- B. Contractor's Approval: Indicate Contractor's approval for each submittal with indication in web-based Project management software. Include name of reviewer, date of Contractor's approval, and statement certifying that submittal has been reviewed, checked, and approved for compliance with the Contract Documents.
 1. Architect will not review submittals received from Contractor that do not have Contractor's review and approval.

1.7 ARCHITECT'S REVIEW

- A. Action Submittals: Architect will review each submittal, indicate corrections or revisions required, and return.
 1. Submittals by Web-Based Project Management Software: Architect will indicate, on Project management software website, the appropriate action.
- B. Informational Submittals: Architect will review each submittal and will not return it, or will return it if it does not comply with requirements. Architect will forward each submittal to appropriate party.
- C. Partial submittals prepared for a portion of the Work will be reviewed when use of partial submittals has received prior approval from Architect.
- D. Incomplete submittals are unacceptable, will be considered nonresponsive, and will be returned for resubmittal without review.
- E. Architect will return without review submittals received from sources other than Contractor.
- F. Submittals not required by the Contract Documents will be returned by Architect without action.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 013300

SECTION 035413 - GYPSUM CEMENT UNDERLAYMENT

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Self-leveling, gypsum cement underlayment for application below interior floor coverings.

1.2 ACTION SUBMITTALS

A. Product Data: For the following:

1. Gypsum cement underlayment.
2. Reinforcement.
3. Primer.
4. Surface sealer.
5. Sound control mat.

1.3 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer.

B. Test Reports:

1. For fire-resistant ratings, from a qualified testing agency.
2. For STC-rated assemblies, from a qualified testing agency.
3. For IIC-rated assemblies, from a qualified testing agency.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Installer who is approved by manufacturer for application of underlayment products required for this Project.

1.5 FIELD CONDITIONS

- A. Environmental Limitations: Comply with manufacturer's written instructions for substrate temperature, ventilation, ambient temperature and humidity, and other conditions affecting underlayment performance.

1. Place gypsum cement underlayments only when ambient temperature and temperature of substrates are between 50 and 80 deg F.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Resistance Ratings: Comply with ASTM E119; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - 1. Indicate design designations from UL's "Fire Resistance Directory" or from the listings of another qualified testing agency.
- B. STC-Rated Assemblies: For STC-rated assemblies, provide materials and construction identical to those tested in assembly indicated, according to ASTM E90 and classified according to ASTM E413 by an independent testing agency.
 - 1. STC Rating:
 - a. Guestrooms: Minimum of 50.
 - b. Gym walls Minimum of 65.
- C. IIC-Rated Assemblies: For IIC-rated assemblies, provide materials and construction identical to those tested in assembly indicated, according to ASTM E492 and classified according to ASTM E989 by an independent testing agency.
 - 1. IIC Rating: As indicated on Drawings.

2.2 GYPSUM CEMENT UNDERLAYMENTS

- A. Gypsum Cement Underlayment: Self-leveling, gypsum cement product that can be applied in minimum uniform thickness of 1-inch to match adjacent floor elevations.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. ARDEX Americas
 - b. Euclid Chemical Company (The); an RPM company
 - c. MAPEI Corporation
 - d. Maxxon Corporation
 - e. USG Corporation
 - 2. Cement Binder: Gypsum or blended gypsum cement as defined by ASTM C219.
 - 3. Compressive Strength: Not less than 4000 psi at 28 days when tested according to ASTM C472.
 - 4. Underlayment Additive: Resilient-emulsion product of underlayment manufacturer, formulated for use with underlayment when applied to substrate and conditions indicated.
- B. Water: Potable and at a temperature of not more than 70 deg F.
- C. Reinforcement: For underlayment applied to wood substrates, provide galvanized

metal lath or other corrosion-resistant reinforcement recommended in writing by underlayment manufacturer.

- D. Primer: Product of underlayment manufacturer recommended in writing for substrate, conditions, and application indicated.
- E. Surface Sealer: Designed to reduce porosity as recommended by manufacturer for type of floor covering to be applied to underlayment.

2.3 ACCESSORIES

- A. Sound Control Mat: As required to meet STC and IIC ratings, manufactured by gypsum cement underlayment manufacturer.
 - 1. Thickness: 1/4 inch.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, with Installer present, for conditions affecting performance of the Work.
- B. Proceed with application only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Prepare and clean substrate according to manufacturer's written instructions.
 - 1. Treat nonmoving substrate cracks according to manufacturer's written instructions to prevent cracks from telegraphing (reflecting) through underlayment.
 - 2. Fill substrate voids to prevent underlayment from leaking.
- B. Wood Substrates: Mechanically fasten loose boards and panels to eliminate substrate movement and squeaks. Sand to remove coatings that might impair underlayment bond and remove sanding dust.
 - 1. Install underlayment reinforcement recommended in writing by manufacturer.
- C. Adhesion Tests: After substrate preparation, test substrate for adhesion with underlayment according to manufacturer's written instructions.
- D. Sound Control Mat: Install sound control materials according to manufacturer's written instructions.
 - 1. Do not install mechanical fasteners that penetrate through the sound control

materials.

3.3 INSTALLATION

- A. Mix and install underlayment components according to manufacturer's written instructions.
 - 1. Close areas to traffic during underlayment installation and for time period after installation recommended in writing by manufacturer.
 - 2. Coordinate installation of components to provide optimum adhesion to substrate and between coats.
 - 3. At substrate expansion, isolation, and other moving joints, allow joint of same width to continue through underlayment.
- B. Apply primer over prepared substrate at manufacturer's recommended spreading rate.
- C. Install underlayment to produce uniform, level surface.
 - 1. Install a final layer without aggregate to product surface.
 - 2. Feather edges to match adjacent floor elevations.
- D. Cure underlayment according to manufacturer's written instructions. Prevent contamination during installation and curing processes.
- E. Do not install floor coverings over underlayment until after time period recommended in writing by underlayment manufacturer.
- F. Apply surface sealer at rate recommended by manufacturer.
- G. Remove and replace underlayment areas that evidence lack of bond with substrate, including areas that emit a "hollow" sound when tapped.

3.4 INSTALLATION TOLERANCES

- A. Finish and measure surface, so gap at any point between gypsum cement underlayment surface and an unlevelled, freestanding, 10-foot- long straightedge resting on two high spots and placed anywhere on the surface does not exceed 1/8 inch and 1/16 inch in 2 feet.

3.5 PROTECTION

- A. Protect underlayment from concentrated and rolling loads for remainder of construction period.

END OF SECTION 035413

SECTION 042200 - CONCRETE UNIT MASONRY

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Concrete masonry units.
 - 2. Mortar and grout.
 - 3. Masonry-joint reinforcement.
 - 4. Miscellaneous masonry accessories.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For the following:
 - 1. Masonry Units: Show sizes, profiles, coursing, and locations of special shapes.
 - 2. Reinforcing Steel: Detail bending, lap lengths, and placement of unit masonry reinforcing bars. Comply with ACI 315. Show elevations of reinforced walls.
 - 3. Fabricated Flashing: Detail corner units, end-dam units, and other special applications.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For testing agency.
- B. Material Certificates: For each type and size of the following:
 - 1. Masonry units.
 - a. Include material test reports substantiating compliance with requirements.
 - b. For masonry units used in structural masonry, include data and calculations establishing average net-area compressive strength of units.
 - 2. Integral water repellent used in CMUs.
 - 3. Cementitious materials. Include name of manufacturer, brand name, and type.
 - 4. Mortar admixtures.
 - 5. Preblended, dry mortar mixes. Include description of type and proportions of ingredients.
 - 6. Grout mixes. Include description of type and proportions of ingredients.
 - 7. Reinforcing bars.
 - 8. Joint reinforcement.
 - 9. Anchors, ties, and metal accessories.

- C. Mix Designs: For each type of mortar and grout. Include description of type and proportions of ingredients.
 - 1. Include test reports for mortar mixes required to comply with property specification. Test in accordance with ASTM C109/C109M for compressive strength, ASTM C1506 for water retention, and ASTM C91/C91M for air content.
 - 2. Include test reports, in accordance with ASTM C1019, for grout mixes required to comply with compressive strength requirement.
- D. Statement of Compressive Strength of Masonry: For each combination of masonry unit type and mortar type, provide statement of average net-area compressive strength of masonry units, mortar type, and resulting net-area compressive strength of masonry determined in accordance with TMS 602/ACI 530.1/ASCE 6.
- E. Cold-Weather and Hot-Weather Procedures: Detailed description of methods, materials, and equipment to be used to comply with requirements.

1.4 QUALITY ASSURANCE

- A. Testing Agency Qualifications: Qualified in accordance with ASTM C1093 for testing indicated.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store masonry units on elevated platforms in a dry location. If units are not stored in an enclosed location, cover tops and sides of stacks with waterproof sheeting, securely tied. If units become wet, do not install until they are dry.
- B. Store cementitious materials on elevated platforms, under cover, and in a dry location. Do not use cementitious materials that have become damp.
- C. Store aggregates where grading and other required characteristics can be maintained and contamination avoided.
- D. Deliver preblended, dry mortar mix in moisture-resistant containers. Store preblended, dry mortar mix in delivery containers on elevated platforms in a dry location or in covered weatherproof dispensing silos.
- E. Store masonry accessories, including metal items, to prevent corrosion and accumulation of dirt and oil.

1.6 FIELD CONDITIONS

- A. Protection of Masonry: During construction, cover tops of walls, projections, and sills with waterproof sheeting at end of each day's work. Cover partially completed masonry when construction is not in progress.
 - 1. Extend cover a minimum of 24 inches down both sides of walls, and hold cover

securely in place.

- B. Do not apply uniform floor or roof loads for at least 12 hours and concentrated loads for at least three days after building masonry walls or columns.
- C. Stain Prevention: Prevent grout, mortar, and soil from staining the face of masonry to be left exposed or painted. Immediately remove grout, mortar, and soil that come in contact with such masonry.
 - 1. Protect base of walls from rain-splashed mud and from mortar splatter by spreading coverings on ground and over wall surface.
 - 2. Protect sills, ledges, and projections from mortar droppings.
 - 3. Protect surfaces of window and door frames, as well as similar products with painted and integral finishes, from mortar droppings.
 - 4. Turn scaffold boards near the wall on edge at the end of each day to prevent rain from splashing mortar and dirt onto completed masonry.
- D. Cold-Weather Requirements: Do not use frozen materials or materials mixed or coated with ice or frost. Do not build on frozen substrates. Remove and replace unit masonry damaged by frost or by freezing conditions. Comply with cold-weather construction requirements contained in TMS 602/ACI 530.1/ASCE 6.
 - 1. Cold-Weather Cleaning: Use liquid cleaning methods only when air temperature is 40 deg F and higher and will remain so until masonry has dried, but not less than seven days after completing cleaning.
- E. Hot-Weather Requirements: Comply with hot-weather construction requirements contained in TMS 602/ACI 530.1/ASCE 6.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Source Limitations for Masonry Units: Obtain exposed masonry units of a uniform texture and color, or a uniform blend within the ranges accepted for these characteristics, from single source from single manufacturer for each product required.
- B. Source Limitations for Mortar Materials: Obtain mortar ingredients of a uniform quality, including color for exposed masonry, from single manufacturer for each cementitious component and from single source or producer for each aggregate.

2.2 PERFORMANCE REQUIREMENTS

- A. Provide structural unit masonry that develops indicated net-area compressive strengths at 28 days.
 - 1. Determine net-area compressive strength of masonry from average net-area compressive strengths of masonry units and mortar types (unit-strength method)

- in accordance with TMS 602/ACI 530.1/ASCE 6.
2. Determine net-area compressive strength of masonry by testing masonry prisms in accordance with ASTM C1314.

2.3 UNIT MASONRY, GENERAL

- A. Masonry Standard: Comply with TMS 602/ACI 530.1/ASCE 6 except as modified by requirements in the Contract Documents.
- B. Defective Units: Referenced masonry unit standards may allow a certain percentage of units to contain chips, cracks, or other defects exceeding limits stated. Do not use units where such defects are exposed in the completed Work.
- C. Fire-Resistance Ratings: Comply with requirements for fire-resistance-rated assembly designs indicated.
 1. Where fire-resistance-rated construction is indicated, units are listed and labeled by a qualified testing agency acceptable to authorities having jurisdiction.

2.4 CONCRETE MASONRY UNITS

- A. Shapes: Provide shapes indicated and as follows, with exposed surfaces matching exposed faces of adjacent units unless otherwise indicated.
 1. Provide special shapes for lintels, corners, jambs, sashes, movement joints, headers, bonding, and other special conditions.
 2. Provide square-edged units for outside corners unless otherwise indicated.
- B. Integral Water Repellent: Provide units made with integral water repellent for exposed units.
 1. Description: Liquid polymeric, integral water-repellent admixture that does not reduce flexural bond strength. Units made with integral water repellent, when tested in accordance with ASTM E514/E514M as a wall assembly made with mortar containing integral water-repellent manufacturer's mortar additive, with test period extended to 24 hours, show no visible water or leaks on the back of test specimen.
 2. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. ACM Chemistries
 - b. Acme Brick Company
 - c. Euclid Chemical Company (The); an RPM company
 - d. GCP Applied Technologies Inc.
 - e. Master Builders Solutions
 - f. Moxie International
- C. CMUs: ASTM C90.

1. Unit Compressive Strength: Provide units with minimum average net-area compressive strength of [2150 psi] [2800 psi] [3050 psi] <Insert value>.
2. Density Classification: [Lightweight] [Medium weight] [Normal weight][unless otherwise indicated].
3. Size (Width): Manufactured to dimensions 3/8 inch less-than-nominal dimensions.

2.5 MASONRY LINTELS

- A. General: Provide one of the following:
- B. Masonry Lintels: Prefabricated or built-in-place masonry lintels made from bond beam CMUs matching adjacent CMUs in color, texture, and density classification, with reinforcing bars placed as indicated and filled with coarse grout. Cure precast lintels before handling and installing. Temporarily support built-in-place lintels until cured.

2.6 MORTAR AND GROUT MATERIALS

- A. Portland Cement: ASTM C150/C150M, Type I or II, except Type III may be used for cold-weather construction. Provide natural color or white cement as required to produce mortar color indicated.
 1. Alkali content is not more than 0.1 percent when tested in accordance with ASTM C114.
- B. Hydrated Lime: ASTM C207, Type S.
- C. Portland Cement-Lime Mix: Packaged blend of portland cement and hydrated lime containing no other ingredients.
- D. Aggregate for Mortar: ASTM C144.
 1. For mortar that is exposed to view, use washed aggregate consisting of natural sand or crushed stone.
 2. For joints less than 1/4 inch thick, use aggregate graded with 100 percent passing the No. 16 sieve.
 3. White-Mortar Aggregates: Natural white sand or crushed white stone.
 4. Colored-Mortar Aggregates: Natural sand or crushed stone of color necessary to produce required mortar color.
- E. Aggregate for Grout: ASTM C404.
- F. Water: Potable.

2.7 REINFORCEMENT

- A. Uncoated Steel Reinforcing Bars: ASTM A615/A615M or ASTM A996/A996M, Grade 60.

B. Masonry-Joint Reinforcement, General: Ladder type complying with ASTM A951/A951M.

1. Interior Walls: Mill- galvanized carbon steel.
2. Exterior Walls: Hot-dip galvanized carbon steel.
3. Wire Size for Side Rods: [0.148-inch] [0.187-inch] diameter.
4. Wire Size for Cross Rods: [0.148-inch] [0.187-inch] diameter.
5. Spacing of Cross Rods: Not more than 16 inches o.c.
6. Provide in lengths of not less than 10 feet[, with prefabricated corner and tee units].

2.8 TIES AND ANCHORS

- A. Partition Top Anchors: 0.105-inch- thick metal plate with a 3/8-inch- diameter metal rod 6 inches long welded to plate and with closed-end plastic tube fitted over rod that allows rod to move in and out of tube. Fabricate from steel, hot-dip galvanized after fabrication.
- B. Rigid Anchors: Fabricate from steel bars 1-1/2 inches wide by 1/4 inch thick by 24 inches long, with ends turned up 2 inches or with cross pins unless otherwise indicated.
1. Corrosion Protection: Hot-dip galvanized to comply with ASTM A153/A153M.

2.9 EMBEDDED FLASHING MATERIALS

- A. Single-Wythe CMU Flashing System: System of CMU cell flashing pans and interlocking CMU web covers made from UV-resistant, high-density polyethylene. Cell flashing pans have integral weep spouts designed to be built into mortar bed joints and that extend into the cell to prevent clogging with mortar.
1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Mortar Net Solutions

2.10 MISCELLANEOUS MASONRY ACCESSORIES

- A. Compressible Filler: Premolded filler strips complying with ASTM D1056, Grade 2A1; compressible up to 35 percent; of width and thickness indicated; formulated from neoprene, urethane, PVC.
- B. Preformed Control-Joint Gaskets: Made from styrene-butadiene-rubber compound, complying with ASTM D2000, Designation M2AA-805, or, PVC, complying with ASTM D2287, Type PVC-65406 and designed to fit standard sash block and to maintain lateral stability in masonry wall; size and configuration as indicated.

- C. Bond-Breaker Strips: Asphalt-saturated felt complying with ASTM D226/D226M, Type I (No. 15 asphalt felt).

2.11 MORTAR AND GROUT MIXES

- A. General: Do not use admixtures, including pigments, air-entraining agents, accelerators, retarders, water-repellent agents, antifreeze compounds, or other admixtures unless otherwise indicated.
 - 1. Do not use calcium chloride in mortar or grout.
 - 2. Use portland cement-lime mortar unless otherwise indicated.
 - 3. For exterior masonry, use portland cement-lime mortar.
 - 4. For reinforced masonry, use portland cement-lime mortar.
 - 5. Add cold-weather admixture (if used) at same rate for all mortar that will be exposed to view, regardless of weather conditions, to ensure that mortar color is consistent.
- B. Preblended, Dry Mortar Mix: Furnish dry mortar ingredients in form of a preblended mix. Measure quantities by weight to ensure accurate proportions, and thoroughly blend ingredients before delivering to Project site.
- C. Mortar for Unit Masonry: Comply with ASTM C270, Property Specification. Provide the following types of mortar for applications stated unless another type is indicated or needed to provide required compressive strength of masonry.
 - 1. For masonry below grade or in contact with earth, use Type M.
 - 2. For reinforced masonry, use Type S.
 - 3. For mortar parge coats, use Type S.
 - 4. For exterior, above-grade, load-bearing and nonload-bearing walls and parapet walls; for interior load-bearing walls; for interior nonload-bearing partitions; and for other applications where another type is not indicated, use Type N.
 - 5. For interior nonload-bearing partitions, Type O may be used instead of Type N.
- D. Grout for Unit Masonry: Comply with ASTM C476.
 - 1. Use grout of type indicated or, if not otherwise indicated, of type (fine or coarse) that will comply with TMS 602/ACI 530.1/ASCE 6 for dimensions of grout spaces and pour height.
 - 2. Proportion grout in accordance with ASTM C476, Table 1, or, paragraph 4.2.2 for specified 28-day compressive strength indicated, but not less than 2000 psi.
 - 3. Provide grout with a slump of 8 to 11 inches as measured in accordance with ASTM C143/C143M.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

- A. Build chases and recesses to accommodate items specified in this and other Sections.

- B. Leave openings for equipment to be installed before completing masonry. After installing equipment, complete masonry to match construction immediately adjacent to opening.
- C. Use full-size units without cutting if possible. If cutting is required to provide a continuous pattern or to fit adjoining construction, cut units with motor-driven saws; provide clean, sharp, unchipped edges. Allow units to dry before laying unless wetting of units is specified. Install cut units with cut surfaces and, where possible, cut edges concealed.

3.2 TOLERANCES

A. Dimensions and Locations of Elements:

- 1. For dimensions in cross section or elevation, do not vary by more than plus 1/2 inch or minus 1/4 inch.
- 2. For location of elements in plan, do not vary from that indicated by more than plus or minus 1/2 inch.
- 3. For location of elements in elevation, do not vary from that indicated by more than plus or minus 1/4 inch in a story height or 1/2 inch total.

B. Lines and Levels:

- 1. For bed joints and top surfaces of bearing walls, do not vary from level by more than 1/4 inch in 10 feet, or 1/2-inch maximum.
- 2. For conspicuous horizontal lines, such as lintels, sills, parapets, and reveals, do not vary from level by more than 1/8 inch in 10 feet, 1/4 inch in 20 feet, or 1/2-inch maximum.
- 3. For vertical lines and surfaces do not vary from plumb by more than 1/4 inch in 10 feet, 3/8 inch in 20 feet, or 1/2-inch maximum.
- 4. For conspicuous vertical lines, such as external corners, door jambs, reveals, and expansion and control joints, do not vary from plumb by more than 1/8 inch in 10 feet, 1/4 inch in 20 feet, or 1/2-inch maximum.
- 5. For lines and surfaces, do not vary from straight by more than 1/4 inch in 10 feet, 3/8 inch in 20 feet, or 1/2-inch maximum.
- 6. For vertical alignment of exposed head joints, do not vary from plumb by more than 1/4 inch in 10 feet, or 1/2-inch maximum.
- 7. For faces of adjacent exposed masonry units, do not vary from flush alignment by more than 1/16 inch.

C. Joints:

- 1. For bed joints, do not vary from thickness indicated by more than plus or minus 1/8 inch, with a maximum thickness limited to 1/2 inch.
- 2. For exposed bed joints, do not vary from bed-joint thickness of adjacent courses by more than 1/8 inch.
- 3. For head and collar joints, do not vary from thickness indicated by more than plus 3/8 inch or minus 1/4 inch.
- 4. For exposed head joints, do not vary from thickness indicated by more than plus

or minus 1/8 inch.

3.3 LAYING MASONRY WALLS

- A. Lay out walls in advance for accurate spacing of surface bond patterns with uniform joint thicknesses and for accurate location of openings, movement-type joints, returns, and offsets. Avoid using less-than-half-size units, particularly at corners, jambs, and, where possible, at other locations.
- B. Bond Pattern for Exposed Masonry: Unless otherwise indicated, lay exposed masonry in running bond; do not use units with less-than-nominal 4-inch horizontal face dimensions at corners or jambs.
- C. Lay concealed masonry with all units in a wythe in running bond or bonded by lapping not less than 4 inches. Bond and interlock each course of each wythe at corners. Do not use units with less-than-nominal 4-inch horizontal face dimensions at corners or jambs.
- D. Stopping and Resuming Work: Stop work by stepping back units in each course from those in course below; do not tooth. When resuming work, clean masonry surfaces that are to receive mortar, remove loose masonry units and mortar, and wet brick if required before laying fresh masonry.
- E. Built-in Work: As construction progresses, build in items specified in this and other Sections. Fill in solidly with masonry around built-in items.
- F. Fill space between steel frames and masonry solidly with mortar unless otherwise indicated.
- G. Where built-in items are to be embedded in cores of hollow masonry units, place a layer of metal lath, wire mesh, or plastic mesh in the joint below, and rod mortar or grout into core.
- H. Fill cores in hollow CMUs with grout 24 inches under bearing plates, beams, lintels, posts, and similar items unless otherwise indicated.
- I. Build nonload-bearing interior partitions full height of story to underside of solid floor or roof structure above unless otherwise indicated.
 - 1. Install compressible filler in joint between top of partition and underside of structure above.
 - 2. Fasten partition top anchors to structure above and build into top of partition. Grout cells of CMUs solidly around plastic tubes of anchors and push tubes down into grout to provide 1/2-inch clearance between end of anchor rod and end of tube. Space anchors 48 inches o.c. unless otherwise indicated.
 - 3. Wedge nonload-bearing partitions against structure above with small pieces of tile, slate, or metal. Fill joint with mortar after dead-load deflection of structure above approaches final position.
 - 4. At fire-rated partitions, treat joint between top of partition and underside of structure above to comply with Section 078443 "Joint Firestopping."

3.4 MORTAR BEDDING AND JOINTING

- A. Lay hollow CMUs as follows:
 - 1. Bed face shells in mortar and make head joints of depth equal to bed joints.
 - 2. Bed webs in mortar in all courses of piers, columns, and pilasters.
 - 3. Bed webs in mortar in grouted masonry, including starting course on footings.
 - 4. Fully bed entire units, including areas under cells, at starting course on footings where cells are not grouted.
- B. Rake out mortar joints at pre-faced CMUs to a uniform depth of 1/4 inch and point with epoxy mortar to comply with epoxy-mortar manufacturer's written instructions.
- C. Tool exposed joints slightly concave when thumbprint hard, using a jointer larger than joint thickness unless otherwise indicated.
- D. Cut joints flush for masonry walls to receive plaster or other direct-applied finishes (other than paint) unless otherwise indicated.
- E. Cut joints flush where indicated to receive waterproofing unless otherwise indicated.

3.5 MASONRY-JOINT REINFORCEMENT

- A. General: Install entire length of longitudinal side rods in mortar with a minimum cover of 5/8 inch on exterior side of walls, 1/2 inch elsewhere. Lap reinforcement a minimum of 6 inches.
 - 1. Space reinforcement not more than 16 inches o.c.
 - 2. Space reinforcement not more than 8 inches o.c. in foundation walls and parapet walls.
 - 3. Provide reinforcement not more than 8 inches above and below wall openings and extending 12 inches beyond openings.
- B. Interrupt joint reinforcement at control and expansion joints unless otherwise indicated.
- C. Provide continuity at wall intersections by using prefabricated T-shaped units.
- D. Provide continuity at corners by using prefabricated L-shaped units.
- E. Cut and bend reinforcing units as directed by manufacturer for continuity at corners, returns, offsets, column fireproofing, pipe enclosures, and other special conditions.

3.6 ANCHORING MASONRY TO STRUCTURAL STEEL AND CONCRETE

- A. Anchor masonry to structural steel and concrete, where masonry abuts or faces structural steel or concrete, to comply with the following:
 - 1. Provide an open space not less than 1 inch wide between masonry and structural steel or concrete unless otherwise indicated. Keep open space free of mortar

- and other rigid materials.
- 2. Anchor masonry with anchors embedded in masonry joints and attached to structure.
- 3. Space anchors as indicated, but not more than 24 inches o.c. vertically and 36 inches o.c. horizontally.

3.7 CONTROL AND EXPANSION JOINTS

- A. General: Install control- and expansion-joint materials in unit masonry as masonry progresses. Do not allow materials to span control and expansion joints without provision to allow for in-plane wall or partition movement.
- B. Form control joints in concrete masonry using one of the following methods:
 - 1. Fit bond-breaker strips into hollow contour in ends of CMUs on one side of control joint. Fill resultant core with grout, and rake out joints in exposed faces for application of sealant.
 - 2. Install preformed control-joint gaskets designed to fit standard sash block.
 - 3. Install interlocking units designed for control joints. Install bond-breaker strips at joint. Keep head joints free and clear of mortar, or rake out joint for application of sealant.
 - 4. Install temporary foam-plastic filler in head joints, and remove filler when unit masonry is complete for application of sealant.

3.8 LINTELS

- A. Provide masonry lintels where shown and where openings of more than 12 inches for brick-size units and 24 inches for block-size units are shown without structural steel or other supporting lintels.
- B. Provide minimum bearing of 8 inches at each jamb unless otherwise indicated.

3.9 FLASHING

- A. Install single-wythe CMU flashing system in bed joints of CMU walls where indicated to comply with manufacturer's written instructions. Install CMU cell pans with upturned edges located below face shells and webs of CMUs above and with weep spouts aligned with face of wall. Install CMU web covers so that they cover upturned edges of CMU cell pans at CMU webs and extend from face shell to face shell.

3.10 REINFORCED UNIT MASONRY

- A. Temporary Formwork and Shores: Construct formwork and shores as needed to support reinforced masonry elements during construction.
 - 1. Construct formwork to provide shape, line, and dimensions of completed masonry as indicated. Make forms sufficiently tight to prevent leakage of mortar

- and grout. Brace, tie, and support forms to maintain position and shape during construction and curing of reinforced masonry.
2. Do not remove forms and shores until reinforced masonry members have hardened sufficiently to carry their own weight and other loads that may be placed on them during construction.
- B. Placing Reinforcement: Comply with requirements in TMS 602/ACI 530.1/ASCE 6.
- C. Grouting: Do not place grout until entire height of masonry to be grouted has attained enough strength to resist grout pressure.
1. Comply with requirements in TMS 602/ACI 530.1/ASCE 6 for cleanouts and for grout placement, including minimum grout space and maximum pour height.
 2. Limit height of vertical grout pours to not more than 60 inches.

3.11 FIELD QUALITY CONTROL

- A. Testing and Inspecting: Owner will engage special inspectors to perform tests and inspections and prepare reports. Allow inspectors access to scaffolding and work areas as needed to perform tests and inspections. Retesting of materials that fail to comply with specified requirements is done at Contractor's expense.
- B. Inspections: Special inspections in accordance with Level B in TMS 402/ACI 530/ASCE 5.
1. Begin masonry construction only after inspectors have verified proportions of site-prepared mortar.
 2. Place grout only after inspectors have verified compliance of grout spaces and of grades, sizes, and locations of reinforcement.
 3. Place grout only after inspectors have verified proportions of site-prepared grout.
- C. Testing Prior to Construction: One set of tests.
- D. Testing Frequency: One set of tests for each 5000 sq. ft. of wall area or portion thereof.
- E. Concrete Masonry Unit Test: For each type of unit provided, in accordance with ASTM C140 for compressive strength.
- F. Mortar Aggregate Ratio Test (Proportion Specification): For each mix provided, in accordance with ASTM C780.
- G. Mortar Test (Property Specification): For each mix provided, in accordance with ASTM C780. Test mortar for mortar air content, and, compressive strength.
- H. Grout Test (Compressive Strength): For each mix provided, in accordance with ASTM C1019.
- I. Prism Test: For each type of construction provided, in accordance with ASTM C1314 at 7 days and at 28 days.

3.12 REPAIRING, POINTING, AND CLEANING

- A. Remove and replace masonry units that are loose, chipped, broken, stained, or otherwise damaged or that do not match adjoining units. Install new units to match adjoining units; install in fresh mortar, pointed to eliminate evidence of replacement.
- B. In-Progress Cleaning: Clean unit masonry as work progresses by dry brushing to remove mortar fins and smears before tooling joints.
- C. Final Cleaning: After mortar is thoroughly set and cured, clean exposed masonry as follows:
 - 1. Remove large mortar particles by hand with wooden paddles and nonmetallic scrape hoes or chisels.
 - 2. Test cleaning methods on sample wall panel; leave one-half of panel uncleaned for comparison purposes. Obtain Architect's approval of sample cleaning before proceeding with cleaning of masonry.
 - 3. Protect adjacent stone and nonmasonry surfaces from contact with cleaner by covering them with liquid strippable masking agent or polyethylene film and waterproof masking tape.
 - 4. Wet wall surfaces with water before applying cleaners; remove cleaners promptly by rinsing surfaces thoroughly with clear water.
 - 5. Clean concrete masonry by applicable cleaning methods indicated in NCMA TEK 8-4A.

END OF SECTION 042200

SECTION 044313.16 - ADHERED MANUFACTURED STONE MASONRY VENEER

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Manufactured stone masonry adhered to unit masonry backup.
2. Manufactured stone masonry adhered to wood framing and sheathing.
3. Manufactured stone trim.

1.2 ACTION SUBMITTALS

A. Product Data: For each variety of manufactured stone, accessory, and manufactured product.

B. Samples:

1. For each stone type indicated.
2. For each color of mortar required.

1.3 FIELD CONDITIONS

A. Protection: During construction, cover tops of walls, projections, and sills with waterproof sheeting at end of each day's work.

B. Cold-Weather Requirements: Do not use frozen materials or materials mixed or coated with ice or frost. Do not build on frozen substrates. Comply with cold-weather construction requirements contained in TMS 602/ACI 530.1/ASCE 6.

1. Cold-Weather Cleaning: Use liquid cleaning methods only when air temperature is 40 deg F and above and will remain so until masonry has dried.

C. Hot-Weather Requirements: Comply with hot-weather construction requirements contained in TMS 602/ACI 530.1/ASCE 6.

PART 2 - PRODUCTS

2.1 THIN MANUFACTURED STONE VENEER

A. Material Standards:

1. Maximum Absorption according to ASTM C97/C97M: 9-22 percent.
2. Minimum Compressive Strength according to ASTM C170/C170M: 2100 psi.
3. Unit weight: Not more than 15 psf.

B. Manufacturer: Subject to compliance with requirements, provide of the following:

1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.

2.2 MORTAR MATERIALS

A. Portland Cement: ASTM C150/C150M, Type I or Type II, except Type III may be used for cold-weather construction; natural color or white cement may be used as required to produce mortar color indicated.

1. Low-Alkali Cement: Not more than 0.60 percent total alkali when tested according to ASTM C114.

B. Hydrated Lime: ASTM C207, Type S.

C. Colored Portland Cement-Lime Mix: Packaged blend of portland cement, hydrated lime, and mortar pigments. Mix shall produce color indicated or, if not indicated, as selected from manufacturer's standard colors. Pigments shall not exceed 10 percent of portland cement by weight.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

- a. Holcim (US) Inc.
- b. Lafarge North America Inc.
- c. Lehigh Hanson; Heidelberg Cement Group.
- d. Mutual Materials Co.

D. Aggregate: ASTM C144 and as follows:

1. For pointing mortar, use aggregate graded with 100 percent passing No. 16 sieve.
2. White Aggregates: Natural white sand or ground white stone.

E. Latex Additive: Manufacturer's standard Acrylic-resin or styrene-butadiene-rubber water emulsion, serving as replacement for part or all of gaging water, of type specifically recommended by latex-additive manufacturer for use with field-mixed portland cement mortar bed, and not containing a retarder.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

- a. Bonsal American, an Oldcastle company.
- b. Custom Building Products.
- c. LATICRETE SUPERCAP, LLC.
- d. MAPEI Corporation.

F. Water: Potable.

2.3 EMBEDDED FLASHING MATERIALS

A. Metal Flashing: Provide metal flashing, where flashing is exposed or partly exposed and where indicated, complying with SMACNA's "Architectural Sheet Metal Manual" and as follows:

- 1. Stainless Steel: ASTM A240/A240M, Type 304, 0.016 inch thick.

B. Flexible Flashing: For flashing unexposed to the exterior, use the following unless otherwise indicated:

- 1. Rubberized-Asphalt Flashing: Composite flashing product consisting of a pliable, adhesive, rubberized-asphalt compound, bonded to a high-density, cross-laminated, polyethylene film to produce an overall thickness of not less than 0.040 inch.

a. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

- 1) Carlisle Coatings & Waterproofing Inc.
- 2) Dayton Superior.
- 3) GCP Applied Technologies Inc. (formerly Grace Construction Products).
- 4) Heckmann Building Products, Inc.
- 5) Hohmann & Barnard, Inc.
- 6) Polyguard Products, Inc.

2.4 MISCELLANEOUS MASONRY ACCESSORIES

A. Cementitious Dampproofing: Cementitious formulation recommended by ILI and nonstaining to stone, compatible with joint sealants, and noncorrosive to veneer anchors and attachments.

B. Weather Resistant Barrier: Provide asphalt-saturated kraft Grade D breather type sheathing paper similar to Jumbo Tex 60 by Henry Co. or comparable product.

C. Weep Products: Use the following unless otherwise indicated:

1. Mesh Weep Holes: Free-draining mesh; made from polyethylene strands, full width of head joint and 2 inches high by thickness of stone masonry; in color selected from manufacturer's standard.
 - a. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1) CavClear/Archovations, Inc.
 - 2) Mortar Net Solutions.
- D. Expanded Metal Lath: 3.4 lb/sq. yd., self-furring, diamond-mesh lath complying with ASTM C847. Fabricate from structural-quality, zinc-coated (galvanized) steel sheet complying with ASTM A653/A653M, G60.

2.5 MASONRY CLEANERS

- A. Proprietary Acidic Cleaner: Manufacturer's standard-strength cleaner designed for removing mortar and grout stains, efflorescence, and other new construction stains from stone masonry surfaces without discoloring or damaging masonry surfaces; expressly approved for intended use by cleaner manufacturer and stone producer.
 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Diedrich Technologies, Inc.; a Hohmann & Barnard company.
 - b. Dominion Restoration Products.
 - c. EaCo Chem, Inc.
 - d. Hydroclean; Hydrochemical Techniques, Inc.
 - e. PROSOCO, Inc.

2.6 FABRICATION

- A. Cut stone to produce pieces of thickness, size, and shape indicated, including details on Drawings and pattern specified in "Setting Stone Masonry" Article.
- B. Gage backs of stones for adhered veneer if more than 81 sq. in. in area.
- C. Thickness of Stone: Provide thickness indicated, but not less than the following:
 1. Thickness: 1 inch plus or minus 1/8 inch.
- D. Finish exposed stone faces and edges to comply with requirements indicated for finish and to match approved samples and mockups.

2.7 MORTAR MIXES

- A. General: Do not use admixtures, including pigments, air-entraining agents, accelerators, retarders, water-repellent agents, antifreeze compounds, or other admixtures, unless otherwise indicated.
 - 1. Do not use calcium chloride.
 - 2. Use portland cement-lime mortar unless otherwise indicated.
 - 3. Mixing Pointing Mortar: Thoroughly mix cementitious and aggregate materials together before adding water. Then mix again, adding only enough water to produce a damp, unworkable mix that will retain its form when pressed into a ball. Maintain mortar in this dampened condition for one to two hours. Add remaining water in small portions until mortar reaches required consistency. Use mortar within 30 minutes of final mixing; do not retemper or use partially hardened material.
- B. Mortar for Stone Masonry: Comply with ASTM C270, Proportion Specification.
 - 1. Mortar for Setting Stone: Type S.
 - 2. Mortar for Pointing Stone: Type N.
- C. Latex-Modified Portland Cement Setting Mortar: Proportion and mix portland cement, aggregate, and latex additive to comply with latex-additive manufacturer's written instructions.
- D. Cement-Paste Bond Coat: Mix either neat cement and water or cement, sand, and water to a consistency similar to that of thick cream.
 - 1. For latex-modified portland cement, setting-bed mortar, substitute latex admixture for part or all of water, according to latex-additive manufacturer's written instructions.
- E. Mortar for Scratch Coat over Metal Lath: 1 part portland cement, 1/2 part lime, 5 parts loose damp sand, and enough water to produce a workable consistency.
- F. Mortar for Scratch Coat over Unit Masonry: 1 part portland cement, 1 part lime, 7 parts loose damp sand, and enough water to produce a workable consistency.
- G. Pigmented Mortar: Use colored cement product.
 - 1. Pigments shall not exceed 10 percent of portland cement by weight.
 - 2. Pigments shall not exceed 5 percent of masonry cement by weight.

PART 3 - EXECUTION

3.1 PREPARATION

- A. At existing construction, existing adhesive material for EIPS shall be totally removed to allow for a flat installation.
- B. Install two layer of weather resistant barrier over sheathing prior to installation of metal lath.

3.2 SETTING STONE MASONRY

- A. Perform necessary field cutting and trimming as stone is set.
 - 1. Use power saws to cut stone that is fabricated with saw-cut surfaces. Cut lines straight and true, with edges eased slightly to prevent snipping.
 - 2. Use hammer and chisel to split stone that is fabricated with split surfaces. Make edges straight and true, matching similar surfaces that were shop or quarry fabricated.
 - 3. Pitch face at field-split edges as needed to match stones that are not field split.
- B. Sort stone before it is placed in wall to remove stone that does not comply with requirements relating to aesthetic effects, physical properties, or fabrication, or that is otherwise unsuitable for intended use.
- C. Arrange stones in range ashlar pattern with course heights as indicated, uniform lengths, and uniform joint widths, with offset between vertical joints as indicated.
- D. Arrange stones with color and size variations uniformly dispersed for an evenly blended appearance.
- E. Maintain uniform joint widths, except for variations due to different stone sizes and where minor variations are required to maintain bond alignment if any. Lay walls with joints not less than 3/8 inch at narrowest points or more than 1/2 inch at widest points.
- F. Provide sealant joints of widths and at locations indicated.
 - 1. Keep sealant joints free of mortar and other rigid materials.
 - 2. Sealant joints are specified in Section 079200 "Joint Sealants."
- G. Install embedded flashing and weep holes at shelf angles, lintels, ledges, other obstructions to downward flow of water in wall, and where indicated.
 - 1. At stud-framed walls, extend flashing through stone masonry, up sheathing face at least 12 inches, and behind weather barrier.

2. At lintels and shelf angles, extend flashing full length of angles but not less than 6 inches into masonry at each end.
 3. At sills, extend flashing not less than 4 inches at ends.
 4. At ends of head and sill flashing, turn up not less than 2 inches to form end dams.
 5. Extend sheet metal flashing 1/2 inch beyond masonry face at exterior, and turn flashing down to form a drip.
 6. Install metal flashing termination beneath flexible flashing at exterior wall face. Stop flexible flashing 1/2 inch back from exterior wall face, and adhere flexible flashing to top of metal flashing termination.
- H. Place weep holes in joints where moisture may accumulate, including above shelf angles and at flashing.
1. Use mesh weep holes to form weep holes.
 2. Use wicking material to form weep holes above flashing in stone sills. Turn wicking down at lip of sill to be as inconspicuous as possible.
 3. Space weep holes 16 inches o.c.

3.3 CONSTRUCTION TOLERANCES

- A. Variation from Plumb: For vertical lines and surfaces, do not exceed 1/4 inch in 10 feet, 3/8 inch in 20 feet, or 1/2 inch in 40 feet or more. For external corners, expansion joints, control joints, and other conspicuous lines, do not exceed 1/4 inch in 20 feet or 1/2 inch in 40 feet or more.
- B. Variation from Level: For bed joints and lines of exposed lintels, sills, parapets, horizontal grooves, and other conspicuous lines, do not exceed 1/4 inch in 20 feet or 1/2 inch in 40 feet or more.
- C. Variation of Linear Building Line: For position shown in plan, do not exceed 1/2 inch in 20 feet or 3/4 inch in 40 feet or more.

3.4 INSTALLATION OF ADHERED STONE MASONRY VENEER

- A. Install flashing over sheathing and behind building paper or wrap and drainage material by fastening through sheathing into framing.
- B. Install lath over building paper or wrap and drainage material by fastening through sheathing into framing to comply with ASTM C1063.
- C. Install lath over unit masonry and concrete to comply with ASTM C1063.
- D. Install scratch coat over metal lath 3/8 inch thick to comply with ASTM C926.

- E. Coat backs of stone units and face of scratch coat with cement-paste bond coat, then butter both surfaces with setting mortar. Use sufficient setting mortar, so a slight excess will be forced out the edges of stone units as they are set. Tap units into place, completely filling space between units and scratch coat.
- F. Rake out joints for pointing with mortar to depth of not less than 1/2 inch before setting mortar has hardened. Rake joints to uniform depths with square bottoms and clean sides.

3.5 POINTING

- A. Prepare stone-joint surfaces for pointing with mortar by removing dust and mortar particles. Where setting mortar was removed to depths greater than surrounding areas, apply pointing mortar in layers not more than 3/8 inch deep until a uniform depth is formed.
- B. Point stone joints by placing and compacting pointing mortar in layers of not more than 3/8 inch deep. Compact each layer thoroughly, and allow to it become thumbprint hard before applying next layer.
- C. Tool joints, when pointing mortar is thumbprint hard, with a smooth jointing tool to produce the following joint profile:
 - 1. Joint Profile: Concave.

3.6 ADJUSTING AND CLEANING

- A. In-Progress Cleaning: Clean stone masonry as work progresses. Remove mortar fins and smears before tooling joints.
- B. Final Cleaning: After mortar is thoroughly set and cured, clean stone masonry as follows:
 - 1. Remove large mortar particles by hand with wooden paddles and nonmetallic scrape hoes or chisels.
 - 2. Test cleaning methods on mockup; leave one-half of panel uncleaned for comparison purposes. Obtain Architect's approval of sample cleaning before cleaning stone masonry.
 - 3. Protect adjacent stone and nonmasonry surfaces from contact with cleaner by covering them with liquid strippable masking agent, polyethylene film, or waterproof masking tape.
 - 4. Wet wall surfaces with water before applying cleaner; remove cleaner promptly by rinsing thoroughly with clear water.
 - 5. Clean stone masonry by bucket and brush hand-cleaning method described in BIA Technical Note No. 20, Revised II, using job-mixed detergent solution.

6. Clean stone masonry with proprietary acidic cleaner applied according to manufacturer's written instructions.

3.7 EXCESS MATERIALS AND WASTE

- A. Excess Stone: Stack excess stone where directed by Owner for Owner's use.
- B. Disposal as Fill Material: Dispose of clean masonry waste, including mortar and excess or soil-contaminated sand, by crushing and mixing with fill material as fill is placed.
 1. Do not dispose of masonry waste as fill within 18 inches of finished grade.

END OF SECTION 044313.16

SECTION 055000 - METAL FABRICATIONS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Metal ladders.
2. Elevator pit sump covers.
3. Metal bollards.
4. Pipe and downspout guards.
5. Abrasive metal nosings, treads, and thresholds.
6. Metal downspout boots.

1.2 ACTION SUBMITTALS

A. Product Data:

1. Fasteners.
2. Shop primers.
3. Shrinkage-resisting grout.
4. Manufactured metal ladders.
5. Metal bollards.
6. Pipe and downspout guards.

B. Shop Drawings: Show fabrication and installation details. Include plans, elevations, sections, and details of metal fabrications and their connections. Show anchorage and accessory items. Provide Shop Drawings for the following:

1. Metal ladders.
2. Elevator pit sump covers.
3. Metal bollards.

C. Delegated Design Submittals: For ladders, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.3 INFORMATIONAL SUBMITTALS

A. Mill Certificates: Signed by stainless steel manufacturers, certifying that products furnished comply with requirements.

B. Welding certificates.

C. Paint Compatibility Certificates: From manufacturers of topcoats applied over shop primers, certifying that shop primers are compatible with topcoats.

- D. Delegated design engineer qualifications.

1.4 QUALITY ASSURANCE

- A. Welding Qualifications: Qualify procedures and personnel in accordance with the following welding codes:
 - 1. AWS D1.1/D1.1M, "Structural Welding Code - Steel."
 - 2. AWS D1.2/D1.2M, "Structural Welding Code - Aluminum."

1.5 FIELD CONDITIONS

- A. Field Measurements: Verify actual locations of walls, floor slabs, decks, and other construction contiguous with metal fabrications by field measurements before fabrication.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design ladders.
- B. Structural Performance of Aluminum Ladders: Ladders are to withstand the effects of loads and stresses within limits and under conditions specified in ANSI/ASC A14.3.
- C. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes.
 - 1. Temperature Change: 120 deg F, ambient; 180 deg F, material surfaces.

2.2 METALS

- A. Metal Surfaces, General: Provide materials with smooth, flat surfaces unless otherwise indicated. For metal fabrications exposed to view in the completed Work, provide materials without seam marks, roller marks, rolled trade names, or blemishes.
- B. Steel Plates, Shapes, and Bars: ASTM A36/A36M.
- C. Steel Tubing: ASTM A500/A500M, cold-formed steel tubing.
- D. Steel Pipe: ASTM A53/A53M, Standard Weight (Schedule 40) unless otherwise indicated.
- E. Aluminum Plate and Sheet: ASTM B209, Alloy 6061-T6.

- F. Aluminum Extrusions: ASTM B221, Alloy 6063-T6.
- G. Aluminum Castings: ASTM B26/B26M, Alloy 443.0-F.

2.3 FASTENERS

- A. General: Unless otherwise indicated, provide Type 304 stainless steel fasteners for exterior use and zinc-plated fasteners with coating complying with ASTM B633 or ASTM F1941/F1941M, Class Fe/Zn 5, at exterior walls. Select fasteners for type, grade, and class required.
- B. Steel Bolts and Nuts: Regular hexagon-head bolts, ASTM A307, Grade A; with hex nuts, ASTM A563; and, where indicated, flat washers.
- C. High-Strength Bolts, Nuts, and Washers: ASTM F3125/F3125M, Grade A325, Type 3, heavy-hex steel structural bolts; ASTM A563, Grade DH3, heavy-hex carbon-steel nuts; and where indicated, flat washers.
- D. Anchor Bolts: ASTM F1554, Grade 36, of dimensions indicated; with nuts, ASTM A563; and, where indicated, flat washers.
 - 1. Hot-dip galvanize or provide mechanically deposited, zinc coating where item being fastened is indicated to be galvanized.
- E. Anchors, General: Capable of sustaining, without failure, a load equal to six times the load imposed when installed in unit masonry and four times the load imposed when installed in concrete, as determined by testing in accordance with ASTM E488/E488M, conducted by a qualified independent testing agency.
- F. Cast-in-Place Anchors in Concrete: Either threaded or wedge type unless otherwise indicated; galvanized ferrous castings, either ASTM A47/A47M malleable iron or ASTM A27/A27M cast steel. Provide bolts, washers, and shims as needed, all hot-dip galvanized per ASTM F2329/F2329M.
- G. Post-Installed Anchors: Torque-controlled expansion anchors.
 - 1. Material for Interior Locations: Carbon-steel components zinc plated to comply with ASTM B633 or ASTM F1941/F1941M, Class Fe/Zn 5, unless otherwise indicated.
 - 2. Material for Exterior Locations and Where Stainless Steel Is Indicated: Alloy Group 1 stainless steel bolts, ASTM F593, and nuts, ASTM F594.
- H. Slotted-Channel Inserts: Cold-formed, hot-dip galvanized-steel box channels (struts) complying with MFMA-4, 1-5/8 by 7/8 inches by length indicated with anchor straps or studs not less than 3 inches long at not more than 8 inches o.c. Provide with temporary filler and tee-head bolts, complete with washers and nuts, all zinc-plated to comply with ASTM B633, Class Fe/Zn 5, as needed for fastening to inserts.

2.4 MISCELLANEOUS MATERIALS

- A. Shop Primers: Provide primers that comply with Section 099113 "Exterior Painting," Section 099123 "Interior Painting," and Section 099600 "High-Performance Coatings."
- B. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D1187/D1187M.
- C. Shrinkage-Resistant Grout: Factory-packaged, nonmetallic, nonstaining, noncorrosive, nongaseous grout complying with ASTM C1107/C1107M. Provide grout specifically recommended by manufacturer for interior and exterior applications.
- D. Concrete: Comply with requirements in Section 033000 "Cast-in-Place Concrete" for normal-weight, air-entrained concrete with a minimum 28-day compressive strength of 3000 psi.

2.5 FABRICATION, GENERAL

- A. Shop Assembly: Preassemble items in the shop to greatest extent possible. Disassemble units only as necessary for shipping and handling limitations. Use connections that maintain structural value of joined pieces. Clearly mark units for reassembly and coordinated installation.
- B. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges to a radius of approximately 1/32 inch unless otherwise indicated. Remove sharp or rough areas on exposed surfaces.
- C. Form bent-metal corners to smallest radius possible without causing grain separation or otherwise impairing work.
- D. Form exposed work with accurate angles and surfaces and straight edges.
- E. Weld corners and seams continuously to comply with the following:
 - 1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
 - 2. Obtain fusion without undercut or overlap.
 - 3. Remove welding flux immediately.
 - 4. At exposed connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing and contour of welded surface matches that of adjacent surface.
- F. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners or welds where possible. Where exposed fasteners are required, use Phillips flat-head (countersunk) fasteners unless otherwise indicated. Locate joints where least conspicuous.
- G. Fabricate seams and other connections that are exposed to weather in a manner to exclude water. Provide weep holes where water may accumulate.

- H. Cut, reinforce, drill, and tap metal fabrications as indicated to receive finish hardware, screws, and similar items.
- I. Provide for anchorage of type indicated; coordinate with supporting structure. Space anchoring devices to secure metal fabrications rigidly in place and to support indicated loads.
- J. Where units are indicated to be cast into concrete or built into masonry, equip with integrally welded steel strap anchors, 1/8 by 1-1/2 inches, with a minimum 6-inch embedment and 2-inch hook, not less than 8 inches from ends and corners of units and 24 inches o.c., unless otherwise indicated.

2.6 METAL LADDERS

A. General:

- 1. Comply with ANSI A14.3.
- 2. For elevator pit ladders, comply with ASME A17.1/CSA B44.

B. Aluminum Ladders:

- 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Fixfast USA
 - b. Halliday Products
 - c. O'Keeffe's Inc.
 - d. Precision Ladders, LLC
 - e. Royalite Manufacturing, Inc.
 - f. Thompson Fabricating, LLC
 - g. UPNOVR, Inc.
- 2. Source Limitations: Obtain aluminum ladders from single source from single manufacturer.
- 3. Space siderails 18 inches apart unless otherwise indicated.
- 4. Siderails: Continuous extruded-aluminum channels or tubes, not less than 2-1/2 inches deep, 3/4 inch wide, and 1/8 inch thick.
- 5. Rungs: Extruded-aluminum tubes, not less than 3/4 inch deep and not less than 1/8 inch thick, with ribbed tread surfaces.
- 6. Fit rungs in centerline of siderails; fasten by welding or with stainless steel fasteners or brackets and aluminum rivets.
- 7. Support each ladder at top and bottom and not more than 60 inches o.c. with welded or bolted aluminum brackets.
- 8. Provide minimum 72-inch- high, hinged security door with padlock hasp at foot of ladder to prevent unauthorized ladder use.

2.7 ELEVATOR PIT SUMP COVERS

- A. Fabricate from 1/8-inch, rolled-steel floor plate with four 1-inch- diameter holes for

water drainage and for lifting.

- B. Provide steel angle supports unless otherwise indicated.

2.8 METAL BOLLARDS

- A. Fabricate metal bollards from Schedule 80 steel pipe.
 - 1. Cap bollards with 1/4-inch- thick, steel plate with domed top.
- B. Prime steel bollards with primer specified in Section 099600 "High-Performance Coatings."

2.9 PIPE AND DOWNSPOUT GUARDS

- A. Fabricate downspout guards from 3/8-inch- thick by 12-inch- wide, steel plate, bent to fit flat against the wall or column at both ends and to fit around pipe with 2-inch clearance between pipe and pipe guard. Drill each end for two 3/4-inch anchor bolts.
- B. Galvanize steel downspout guards.
- C. Prime steel downspout guards with primer specified in Section 099600 "High-Performance Coatings."

2.10 ABRASIVE METAL NOSINGS, TREADS, AND THRESHOLDS

- A. Cast-Metal Units: Cast aluminum, with an integral-abrasive, as-cast finish consisting of aluminum oxide, silicon carbide, or a combination of both. Fabricate units in lengths necessary to accurately fit openings or conditions.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. American Safety Tread Co., Inc
 - b. Balco; a CSW Industrials Company
 - c. Barry Pattern & Foundry Co., Inc
 - d. Safe-T-Metal Company, Inc.
 - e. Wooster Products Inc
 - 2. Source Limitations: Obtain units from single source from single manufacturer.
 - 3. Cross-hatched nosings, 4 inches wide, with 1/4-inch- thick 1-inch lip, for casting into concrete.
 - 4. Cross-hatched nosings, 1-1/2 inches wide, 3/8-inch- thick 1-1/2 inch lip, for casting into concrete.
- B. Provide anchors for embedding units in concrete, either integral or applied to units, as standard with manufacturer.

- C. Drill for mechanical anchors and countersink. Locate holes not more than 4 inches from ends and not more than 12 inches o.c., evenly spaced between ends, unless otherwise indicated. Provide closer spacing if recommended by manufacturer.
 - 1. Provide two rows of holes for units more than 5 inches wide, with two holes aligned at ends and intermediate holes staggered.
- D. Apply bituminous paint to concealed surfaces of cast-metal units.
- E. Apply clear lacquer to concealed surfaces of extruded units.

2.11 METAL DOWNSPOUT BOOTS

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 1. J.R. Hoe & Sons Inc.
 - 2. Neenah Foundry Company
- B. Source Limitations: Obtain downspout boots from single source from single manufacturer.
- C. Provide downspout boots made from cast iron in heights indicated with inlets of size and shape to suit downspouts. Provide units with flanges and holes for countersunk anchor bolts.
 - 1. Outlet: At 35 degrees from horizontal, to discharge onto splash block or pavement.
- D. Prime cast-iron downspout boots with primer specified in Section 099600 "High-Performance Coatings."

2.12 GENERAL FINISH REQUIREMENTS

- A. Finish metal fabrications after assembly.
- B. Finish exposed surfaces to remove tool and die marks and stretch lines, and to blend into surrounding surface.

2.13 STEEL AND IRON FINISHES

- A. Galvanizing: Hot-dip galvanize items as indicated to comply with ASTM A153/A153M for steel and iron hardware and with ASTM A123/A123M for other steel and iron products.
 - 1. Do not quench or apply post galvanizing treatments that might interfere with paint adhesion.

- B. Preparation for Shop Priming Galvanized Items: After galvanizing, thoroughly clean galvanized surfaces of grease, dirt, oil, flux, and other foreign matter, and treat with metallic phosphate process.
- C. Shop prime iron and steel items unless they are to be embedded in concrete, sprayed-on fireproofing, or masonry, or unless otherwise indicated.
 - 1. Shop prime with unless primers specified in Section 099600 "High-Performance Coatings" are indicated.
- D. Preparation for Shop Priming: Prepare surfaces to comply with SSPC-SP 6/NACE No. 3, "Commercial Blast Cleaning."
- E. Shop Priming: Apply shop primer to comply with SSPC-PA 1, "Paint Application Specification No. 1: Shop, Field, and Maintenance Painting of Steel," for shop painting.
 - 1. Stripe paint corners, crevices, bolts, welds, and sharp edges.

2.14 ALUMINUM FINISHES

- A. As-Fabricated Finish: AA-M12.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

- A. Cutting, Fitting, and Placement: Perform cutting, drilling, and fitting required for installing metal fabrications. Set metal fabrications accurately in location, alignment, and elevation; with edges and surfaces level, plumb, true, and free of rack; and measured from established lines and levels.
- B. Fit exposed connections accurately together to form hairline joints. Weld connections that are not to be left as exposed joints but cannot be shop welded because of shipping size limitations. Do not weld, cut, or abrade surfaces of exterior units that have been hot-dip galvanized after fabrication and are for bolted or screwed field connections.
- C. Field Welding: Comply with the following requirements:
 - 1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
 - 2. Obtain fusion without undercut or overlap.
 - 3. Remove welding flux immediately.
 - 4. At exposed connections, finish exposed welds and surfaces smooth and blended so no roughness shows after finishing and contour of welded surface matches that of adjacent surface.
- D. Fastening to In-Place Construction: Provide anchorage devices and fasteners where

metal fabrications are required to be fastened to in-place construction. Provide threaded fasteners for use with concrete and masonry inserts, toggle bolts, through bolts, lag screws, wood screws, and other connectors.

- E. Provide temporary bracing or anchors in formwork for items that are to be built into concrete, masonry, or similar construction.
- F. Corrosion Protection: Coat concealed surfaces of aluminum that come into contact with grout, concrete, masonry, wood, or dissimilar metals with the following:
 - 1. Cast Aluminum: Heavy coat of bituminous paint.
 - 2. Extruded Aluminum: Two coats of clear lacquer.

3.2 INSTALLATION OF METAL LADDERS

- A. Secure ladders to adjacent construction with the clip angles attached to the stringer.
- B. Install brackets as required for securing of ladders welded or bolted to structural steel or built into masonry or concrete.

3.3 INSTALLATION OF ELEVATOR PIT SUMP COVERS

- A. Install tops of elevator sump pit cover plates and frames flush with finished surface. Adjust as required to avoid lippage that could present a tripping hazard.

3.4 INSTALLATION OF METAL BOLLARDS

- A. Fill metal-capped bollards solidly with concrete and allow concrete to cure seven days before installing.
- B. Anchor bollards in concrete in formed or core-drilled holes not less than 42 inches deep and 3/4 inch larger than OD of bollard. Fill annular space around bollard solidly with shrinkage-resistant grout; mixed and placed to comply with grout manufacturer's written instructions. Slope grout up approximately 1/8 inch toward bollard.

3.5 INSTALLATION OF PIPE AND DOWNSPOUT GUARDS

- A. Provide pipe guards at exposed vertical pipes in at locations indicated on Drawings where not protected by curbs or other barriers. Install by bolting to wall or column with expansion anchors. Provide four 3/4-inch bolts at each pipe guard. Mount pipe guards with top edge 26 inches above driving surface.

3.6 INSTALLATION OF ABRASIVE METAL NOSINGS, TREADS, AND THRESHOLDS

- A. Center nosings on tread widths unless otherwise indicated.

- B. For nosings embedded in concrete steps or curbs, align nosings flush with riser faces and level with tread surfaces.
- C. Seal thresholds exposed to exterior with elastomeric sealant complying with Section 079200 "Joint Sealants" to provide a watertight installation.

3.7 INSTALLATION OF METAL DOWNSPOUT BOOTS

- A. Anchor metal downspout boots to concrete or masonry construction to comply with manufacturer's written instructions.
- B. Secure downspouts terminations to downspouts and substrate per manufacturer's instructions.

3.8 REPAIRS

- A. Touchup Painting:
 - 1. Immediately after erection, clean field welds, bolted connections, and abraded areas. Paint uncoated and abraded areas with same material as used for shop painting to comply with SSPC-PA 1 for touching up shop-painted surfaces.
 - a. Apply by brush or spray to provide a minimum 2.0-mil dry film thickness.
 - 2. Cleaning and touchup painting of field welds, bolted connections, and abraded areas of shop paint are specified in Section 099113 "Exterior Painting."
- B. Galvanized Surfaces: Clean field welds, bolted connections, and abraded areas and repair galvanizing to comply with ASTM A780/A780M.

END OF SECTION 055000

SECTION 055113 - METAL PAN STAIRS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Preassembled steel stairs with concrete-filled treads.
2. Steel tube railings and guards attached to metal stairs.
3. Steel tube handrails attached to walls adjacent to metal stairs.
4. Field primed and painted.

1.2 ACTION SUBMITTALS

A. Product Data: For metal pan stairs and the following:

1. Prefilled metal-pan-stair treads.
2. Shop primer products.
3. Nonslip-aggregate concrete finish.
4. Handrail wall brackets.

B. Shop Drawings:

1. Include plans, elevations, sections, details, and attachments to other work.
2. Indicate sizes of metal sections, thickness of metals, profiles, holes, and field joints.
3. Include plan at each level.
4. Indicate locations of anchors, weld plates, and blocking for attachment of wall-mounted handrails.
5. Indicate profile and dimensions of precast terrazzo treads.
6. Indicate profile and dimensions of epoxy-resin-filled treads.

C. Delegated Design Submittal: For stairs, railings and guards, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.3 INFORMATIONAL SUBMITTALS

A. Qualification Data: For professional engineer's experience with providing delegated design engineering services of the kind indicated, including documentation that engineer is licensed in the jurisdiction in which Project is located.

B. Welding certificates.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Fabricator of products.
- B. Welding Qualifications: Qualify procedures and personnel according to the following:
 - 1. AWS D1.1/D1.1M, "Structural Welding Code - Steel."
 - 2. AWS D1.3/D1.3M, "Structural Welding Code - Sheet Steel."

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store materials to permit easy access for inspection and identification.
 - 1. Keep steel members off ground and spaced by using pallets, dunnage, or other supports and spacers.
 - 2. Protect steel members and packaged materials from corrosion and deterioration.
 - 3. Do not store materials on structure in a manner that might cause distortion, damage, or overload to members or supporting structures.
 - a. Repair or replace damaged materials or structures as directed.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design stairs, railings and guards, including attachment to building construction.
- B. Structural Performance of Stairs: Metal stairs withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated:
 - 1. Uniform Load: 100 lbf/sq. ft.
 - 2. Concentrated Load: 300 lbf applied on an area of 4 sq. in.
 - 3. Uniform and concentrated loads need not be assumed to act concurrently.
 - 4. Stair Framing: Capable of withstanding stresses resulting from railing and guard loads in addition to loads specified above.
 - 5. Limit deflection of treads, platforms, and framing members to $L/360$ or 1/4 inch, whichever is less.
- C. Structural Performance of Railings and Guards: Railings and guards, including attachment to building construction, withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated:
 - 1. Handrails and Top Rails of Guards:
 - a. Uniform load of 50 lbf/ft. applied in any direction.
 - b. Concentrated load of 200 lbf applied in any direction.

- c. Uniform and concentrated loads need not be assumed to act concurrently.

2. Infill of Guards:

- a. Concentrated load of 50 lbf applied horizontally on an area of 1 sq. ft.
- b. Infill load and other loads need not be assumed to act concurrently.

2.2 METALS

- A. Metal Surfaces: Provide materials with smooth, flat surfaces unless otherwise indicated. For components exposed to view in the completed Work, provide materials without seam marks, roller marks, rolled trade names, or blemishes.
- B. Steel Plates, Shapes, and Bars: ASTM A36/A36M.
- C. Steel Tubing for Railings and Guards: ASTM A500/A500M (cold formed), or, ASTM A513/A513M.
- D. Steel Pipe for Railings and Guards: ASTM A53/A53M, Type F or Type S, Grade A, Standard Weight (Schedule 40), unless another grade and weight are required by structural loads.
- E. Uncoated, Cold-Rolled Steel Sheet: ASTM A1008/A1008M, either commercial steel, Type B, or structural steel, Grade 25, unless another grade is required by design loads; exposed.
- F. Uncoated, Hot-Rolled Steel Sheet: ASTM A1011/A1011M, either commercial steel, Type B, or structural steel, Grade 30, unless another grade is required by design loads.
- G. Nickel Silver Castings: ASTM B584, Alloy UNS No. C97600 (20 percent leaded nickel bronze).

2.3 FASTENERS

- A. Fasteners for Anchoring Railings and Guards to Other Construction: Select fasteners of type, grade, and class required to produce connections suitable for anchoring railings and guards to other types of construction indicated and capable of withstanding design loads.
- B. Bolts and Nuts: Regular hexagon-head bolts, ASTM A307, Grade A; with hex nuts, ASTM A563; and, where indicated, flat washers.
- C. Anchor Bolts: ASTM F1554, Grade 36, of dimensions indicated; with nuts, ASTM A563; and, where indicated, flat washers.
- D. Post-Installed Anchors: Torque-controlled expansion anchors capable of sustaining, without failure, a load equal to six times the load imposed when installed in unit masonry and four times the load imposed when installed in concrete, as determined by

testing according to ASTM E488/E488M, conducted by a qualified independent testing agency.

1. Material for Interior Locations: Carbon-steel components zinc plated to comply with ASTM B633 or ASTM F1941/F1941M, Class Fe/Zn 5, unless otherwise indicated.

2.4 MISCELLANEOUS MATERIALS

- A. Handrail Wall Brackets: Cast nickel-silver, center of rail 2-1/2 inches from face of wall.
 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Julius Blum & Co., Inc.
 - b. The Wagner Companies
- B. Welding Electrodes: Comply with AWS requirements.
- C. Shop Primers: Provide primers that comply with Section 099113 "Exterior Painting" and Section 099123 "Interior Painting."
- D. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D1187/D1187M.
- E. Nonmetallic, Shrinkage-Resistant Grout: ASTM C1107/C1107M, factory-packaged, nonmetallic aggregate grout; recommended by manufacturer for interior use; noncorrosive and nonstaining; mixed with water to consistency suitable for application and a 30-minute working time.
- F. Prefilled Concrete Treads:
 1. Concrete Materials and Properties: Comply with requirements in Section 033000 "Cast-in-Place Concrete" for normal-weight, air-entrained, ready-mix concrete with minimum 28-day compressive strength of 3000 psi and maximum aggregate size of 1/2 inch unless otherwise indicated.
 2. Nonslip-Aggregate Concrete Finish: Factory-packaged abrasive aggregate made from fused, aluminum-oxide grits or crushed emery; rustproof and nonglazing; unaffected by freezing, moisture, or cleaning materials.
 3. Plain Steel Welded-Wire Reinforcement: ASTM A1064/A10645M, steel, 6 by 6 inches, W1.4 by W1.4, unless otherwise indicated on Drawings.
 4. Reinforcement Supports: Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening welded-wire reinforcement in place.
 - a. Manufacture bar supports from steel wire, plastic, or precast concrete according to CRSI's "Manual of Standard Practice," of greater compressive strength than concrete.

2.5 FABRICATION, GENERAL

- A. Provide complete stair assemblies, including metal framing, hangers, struts, railings and guards, clips, brackets, bearing plates, and other components necessary to support and anchor stairs and platforms on supporting structure.
 - 1. Join components by welding unless otherwise indicated.
 - 2. Use connections that maintain structural value of joined pieces.
- B. Assemble stairs, railings, and guards in shop to greatest extent possible.
 - 1. Disassemble units only as necessary for shipping and handling limitations.
 - 2. Clearly mark units for reassembly and coordinated installation.
- C. Cut, drill, and punch metals cleanly and accurately.
 - 1. Remove burrs and ease edges to a radius of approximately 1/32 inch unless otherwise indicated.
 - 2. Remove sharp or rough areas on exposed surfaces.
- D. Form bent-metal corners to smallest radius possible without causing grain separation or otherwise impairing work.
- E. Form exposed work with accurate angles and surfaces and straight edges.
- F. Weld connections to comply with the following:
 - 1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
 - 2. Obtain fusion without undercut or overlap.
 - 3. Remove welding flux immediately.
 - 4. Weld exposed corners and seams continuously unless otherwise indicated.
 - 5. At exposed connections, finish exposed welds to comply with NOMMA's "Voluntary Joint Finish Standards" for Finish #2 - Completely sanded joint with some undercutting and pinholes okay.
- G. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners where possible.
 - 1. Where exposed fasteners are required, use Phillips flat-head (countersunk) screws or bolts unless otherwise indicated.
 - 2. Locate joints where least conspicuous.
 - 3. Fabricate joints that will be exposed to weather in a manner to exclude water.
 - 4. Provide weep holes where water may accumulate internally.

2.6 FABRICATION OF STEEL-FRAMED STAIRS

- A. NAAMM Stair Standard: Comply with NAAMM AMP 510, "Metal Stairs Manual," for Architectural Class, unless more stringent requirements are indicated.

B. Stair Framing:

1. Stringers: Fabricate of as indicated on Drawings.
 - a. Stringer Size: As indicated on Drawings.
 - b. Provide closures for exposed ends of channel and rectangular tube stringers.
2. Platforms: Construct of steel channel headers and miscellaneous framing members as required to comply with "Performance Requirements" Article.
 - a. Provide closures for exposed ends of channel and rectangular tube framing.
3. Weld stringers to headers; weld framing members to stringers and headers.
4. Where stairs are enclosed by gypsum board shaft-wall assemblies, provide hanger rods or struts to support landings from floor construction above or below.
 - a. Locate hanger rods and struts where they do not encroach on required stair width and are within the fire-resistance-rated stair enclosure.
5. Where masonry walls support metal stairs, provide temporary supporting struts designed for erecting steel stair components before installing masonry.

C. Metal Pan Stairs: Form risers, subtread pans, and subplatforms to configurations shown from steel sheet of thickness needed to comply with performance requirements, but not less than 0.067 inch.

1. Fabricate treads and landing subplatforms of exterior stairs so finished walking surfaces slope to drain.
2. Steel Sheet, Uncoated: Cold-rolled steel sheet unless otherwise indicated.
3. Directly weld metal pans to stringers; locate welds on top of subtreads where they will be concealed by concrete fill. Do not weld risers to stringers.
4. Attach risers and subtreads to stringers with brackets made of steel angles or bars. Weld brackets to stringers and attach metal pans to brackets by welding, riveting, or bolting.
5. Shape metal pans to include nosing integral with riser.
6. At Contractor's option, provide stair assemblies with metal pan subtreads filled with reinforced concrete during fabrication.
7. Provide subplatforms of configuration indicated or, if not indicated, the same as subtreads. Weld subplatforms to platform framing.
 - a. Smooth Soffit Construction: Construct subplatforms with flat metal under surfaces to produce smooth soffits.

2.7 FABRICATION OF STAIR RAILINGS AND GUARDS

- A. Fabricate railings and guards to comply with requirements indicated for design, dimensions, details, finish, and member sizes, including wall thickness of member, post spacings, wall bracket spacing, and anchorage, but not less than that needed to

withstand indicated loads.

1. Rails and Posts: 1-5/8-inch- diameter top and bottom rails and 1-1/2-inch- square posts.
 2. Picket Infill: 1/2-inch-square pickets spaced to prohibit the passage of a 4-inch diameter sphere.
- B. Welded Connections: Fabricate railings and guards with welded connections.
1. Fabricate connections that are exposed to weather in a manner that excludes water.
 - a. Provide weep holes where water may accumulate internally.
 2. Cope components at connections to provide close fit, or use fittings designed for this purpose.
 3. Weld all around at connections, including at fittings.
 4. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
 5. Obtain fusion without undercut or overlap.
 6. Remove flux immediately.
 7. Finish welds to comply with NOMMA's "Voluntary Joint Finish Standards" for Finish #2 - Completely sanded joint, some undercutting and pinholes are okay as shown in NAAMM AMP 521.
- C. Form changes in direction of railings and guards as follows:
1. As detailed.
- D. For changes in direction made by bending, use jigs to produce uniform curvature for each repetitive configuration required. Maintain cross section of member throughout entire bend without buckling, twisting, cracking, or otherwise deforming exposed surfaces of components.
- E. Close exposed ends of railing and guard members with prefabricated end fittings.
- F. Provide wall returns at ends of wall-mounted handrails unless otherwise indicated.
1. Close ends of returns unless clearance between end of rail and wall is 1/4 inch or less.
- G. Connect posts to stair framing by direct welding unless otherwise indicated.
- H. Brackets, Flanges, Fittings, and Anchors: Provide wall brackets, end closures, flanges, miscellaneous fittings, and anchors for interconnecting components and for attaching to other work.
1. Furnish inserts and other anchorage devices for connecting to concrete or masonry work.
 2. For nongalvanized railings and guards, provide nongalvanized ferrous-metal fittings, brackets, fasteners, and sleeves, except galvanize anchors embedded in

- exterior masonry and concrete construction.
- 3. Provide type of bracket with flange tapped for concealed anchorage to threaded hanger bolt and that provides 1-1/2-inch clearance from inside face of handrail to finished wall surface.
- I. Fillers: Provide fillers made from steel plate, or other suitably crush-resistant material, where needed to transfer wall bracket loads through wall finishes to structural supports.
 - 1. Size fillers to suit wall finish thicknesses and to produce adequate bearing area to prevent bracket rotation and overstressing of substrate.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify elevations of floors, bearing surfaces and locations of bearing plates, and other embedments for compliance with requirements.
 - 1. For wall-mounted railings, verify locations of concealed reinforcement within gypsum board and plaster assemblies.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION OF METAL PAN STAIRS

- A. Fastening to In-Place Construction: Provide anchorage devices and fasteners where necessary for securing metal stairs to in-place construction.
 - 1. Include threaded fasteners for concrete and masonry inserts, through-bolts, lag bolts, and other connectors.
- B. Cutting, Fitting, and Placement: Perform cutting, drilling, and fitting required for installing metal stairs. Set units accurately in location, alignment, and elevation, measured from established lines and levels and free of rack.
- C. Install metal stairs by welding stair framing to steel structure or to weld plates cast into concrete unless otherwise indicated.
 - 1. Grouted Baseplates: Clean concrete- and masonry-bearing surfaces of bond-reducing materials, and roughen surfaces prior to setting plates.
 - a. Clean bottom surface of plates.
 - b. Set plates for structural members on wedges, shims, or setting nuts.
 - c. Tighten anchor bolts after supported members have been positioned and plumbed.
 - d. Do not remove wedges or shims but, if protruding, cut off flush with edge of plate before packing with grout.

- e. Promptly pack grout solidly between bearing surfaces and plates so no voids remain.
 - 1) Neatly finish exposed surfaces; protect grout and allow to cure.
 - 2) Comply with manufacturer's written installation instructions for shrinkage-resistant grouts.
- D. Provide temporary bracing or anchors in formwork for items that are to be built into concrete, masonry, or similar construction.
- E. Fit exposed connections accurately together to form hairline joints.
 - 1. Weld connections that are not to be left as exposed joints but cannot be shop welded because of shipping size limitations.
 - 2. Do not weld, cut, or abrade surfaces of exterior units that have been hot-dip galvanized after fabrication and are for bolted or screwed field connections.
 - 3. Comply with requirements for welding in "Fabrication, General" Article.
- F. Place and finish concrete fill for treads and platforms to comply with Section 033000 "Cast-in-Place Concrete."
 - 1. Install abrasive nosings with anchors fully embedded in concrete.
 - 2. Center nosings on tread width.

3.3 INSTALLATION OF RAILINGS AND GUARDS

- A. Adjust railing and guard systems before anchoring to ensure matching alignment at abutting joints with tight, hairline joints.
 - 1. Space posts at spacing indicated or, if not indicated, as required by design loads.
 - 2. Plumb posts in each direction, within a tolerance of 1/16 inch in 3 feet.
 - 3. Align rails and guards so variations from level for horizontal members and variations from parallel with rake of stairs for sloping members do not exceed 1/4 inch in 12 feet.
 - 4. Secure posts, rail ends, and guard ends to building construction as follows:
 - a. Anchor posts to steel by welding to steel supporting members.
 - b. Anchor handrail and guard ends to concrete and masonry with steel round flanges welded to rail and guard ends and anchored with post-installed anchors and bolts.
- B. Install railing gates level, plumb, and secure for full opening without interference.
 - 1. Attach hardware using tamper-resistant or concealed means.
 - 2. Adjust hardware for smooth operation.
- C. Attach handrails to wall with wall brackets.
 - 1. Locate brackets as indicated or, if not indicated, at spacing required to support structural loads.

2. Secure wall brackets to building construction as required to comply with performance requirements.
 - a. For concrete and solid masonry anchorage, use drilled-in expansion shields and hanger or lag bolts.
 - b. For hollow masonry anchorage, use toggle bolts.
 - c. For wood stud partitions, use hanger or lag bolts set into studs or wood backing between studs. Coordinate with carpentry work to locate backing members.
 - d. For steel-framed partitions, use hanger or lag bolts set into fire-retardant-treated wood backing between studs. Coordinate with stud installation to locate backing members.
 - e. For steel-framed partitions, use self-tapping screws fastened to steel framing or to concealed steel reinforcements.
 - f. For steel-framed partitions, use toggle bolts installed through flanges of steel framing or through concealed steel reinforcements.

3.4 REPAIR

A. Touchup Painting:

1. Immediately after erection, clean field welds, bolted connections, and abraded areas of shop paint, and paint exposed areas with same material as used for shop painting to comply with SSPC-PA 1 for touching up shop-painted surfaces.
 - a. Apply by brush or spray to provide a minimum 2.0-mil dry film thickness.
2. Cleaning and touchup painting of field welds, bolted connections, and abraded areas of shop paint are specified in Section 099113 "Exterior Painting" and Section 099123 "Interior Painting."

END OF SECTION 055113

SECTION 062023 - INTERIOR FINISH CARPENTRY

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Interior trim.
 - 2. Shelving and clothes rods.

1.2 ACTION SUBMITTALS

- A. Product Data:
 - 1. Interior trim.
 - 2. Shelving and clothes rods.
- B. Product Data Submittals: For each type of process and factory-fabricated product. Indicate component materials, dimensions, profiles, textures, and colors and include construction and application details.
 - 1. Include data for wood-preservative treatment from chemical-treatment manufacturer and certification by treating plant that treated materials comply with requirements. Indicate type of preservative used and net amount of preservative retained. Include chemical-treatment manufacturer's written instructions for finishing treated material.
 - 2. For products receiving a waterborne treatment, include statement that moisture content of treated materials was reduced before shipment to Project site to levels specified.
- C. Samples: For each exposed product and for each color and texture specified.

1.3 DELIVERY, STORAGE, AND HANDLING

- A. Stack lumber, plywood, and other panels flat with spacers between each bundle to provide air circulation.
 - 1. Protect materials from weather by covering with waterproof sheeting, securely anchored.
 - 2. Provide for air circulation around stacks and under coverings.
- B. Deliver interior finish carpentry materials only when environmental conditions comply with requirements specified for installation areas. If interior finish carpentry materials must be stored in other than installation areas, store only where environmental conditions comply with requirements specified for installation areas.

1.4 FIELD CONDITIONS

- A. Environmental Limitations: Do not deliver or install interior finish carpentry materials until building is enclosed and weatherproof, wet-work in space is completed and nominally dry, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.
- B. Do not install finish carpentry materials that are wet, moisture damaged, or mold damaged.
 - 1. Indications that materials are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
 - 2. Indications that materials are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

- A. Lumber: DOC PS 20 and applicable rules of grading agencies indicated. If no grading agency is indicated, comply with applicable rules of any rules-writing agency certified by the American Lumber Standard Committee's (ALSC) Board of Review. Grade lumber by an agency certified by the ALSC's Board of Review to inspect and grade lumber under the rules indicated.
 - 1. Factory mark each piece of lumber with grade stamp of grading agency.
 - 2. For exposed lumber, mark grade stamp on end or back of each piece, or omit grade stamp and provide certificates of grade compliance issued by grading agency.
- B. Softwood Plywood: DOC PS 1.
- C. Melamine-Faced Particleboard: Particleboard complying with ANSI A208.1, Grade M-2, finished on both faces with thermally fused, melamine-impregnated decorative paper and complying with ISO 4586-3, Grade VGS.
 - 1. Color: White.

2.2 INTERIOR TRIM

- A. Hardwood Moldings for Transparent Finish (Stain or Clear Finish): MMPA WM 4, N-grade wood moldings made to patterns included in MMPA's "HWM/Series Hardwood Moulding Patterns."
 - 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- B. Moldings for Opaque Finish (Painted Finish): Made to patterns included in MMPA's

"WM/Series Softwood Moulding Patterns."

1. Softwood Moldings: MMPA WM 4, P grade.
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
2. Hardwood Moldings: MMPA WM 4, P-grade.
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.

2.3 SHELVING AND CLOTHES RODS

- A. Shelving: Closet shelving, made from the following material, 3/4 inch thick:
 1. Melamine-faced particleboard with applied-PVC front edge.
- B. Shelf Brackets with Rod Support: BHMA A156.16, B04051; prime-painted formed steel.
 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. A&M Hardware, Inc.
 - b. EPCO, Engineered Products Co.
 - c. Knappe & Vogt Manufacturing Company
- C. Standards for Adjustable Shelf Brackets: BHMA A156.9, B04102; powder-coat-finished steel.
- D. Adjustable Shelf Brackets: BHMA A156.9, B04112; powder-coat-finished steel.
- E. Metal Clothes Rods: 1-5/16-inch- diameter, chrome-plated-steel tubes.
- F. Metal Rod Flanges: Chrome-plated steel.

2.4 MISCELLANEOUS MATERIALS

- A. Fasteners for Interior Finish Carpentry: Nails, screws, and other anchoring devices of type, size, material, and finish required for application indicated to provide secure attachment, concealed where possible.
- B. Glue: Aliphatic-resin, polyurethane, or resorcinol wood glue recommended by manufacturer for general carpentry use.
 1. Adhesive shall comply with the testing and product requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using

Environmental Chambers." The building concentration of formaldehyde shall not exceed half of the indoor recommended exposure limit, or 33 mcg/cu. m, and that of acetaldehyde shall not exceed 9 mcg/cu. m.

- C. Multipurpose Construction Adhesive: Formulation, complying with ASTM D3498, that is recommended for indicated use by adhesive manufacturer.

2.5 FABRICATION

- A. Back out or kerf backs of the following members, except those with ends exposed in finished work:
 - 1. Interior standing and running trim, except shoe and crown molds.
- B. Ease edges of lumber less than 1 inch in nominal thickness to 1/16-inch radius and edges of lumber 1 inch or more in nominal thickness to 1/8-inch radius.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Clean substrates of projections and substances detrimental to application.
- B. Before installing interior finish carpentry, condition materials to average prevailing humidity in installation areas for a minimum of 24 hours unless longer conditioning is recommended by manufacturer.

3.2 INSTALLATION, GENERAL

- A. Do not use materials that are unsound; warped; improperly treated or finished; inadequately seasoned; too small to fabricate with proper jointing arrangements; or with defective surfaces, sizes, or patterns.
- B. Install interior finish carpentry level, plumb, true, and aligned with adjacent materials.
 - 1. Use concealed shims where necessary for alignment.
 - 2. Scribe and cut interior finish carpentry to fit adjoining work. Refinish and seal cuts as recommended by manufacturer.
 - 3. Where face fastening is unavoidable, countersink fasteners, fill surface flush, and sand unless otherwise indicated.
 - 4. Install to tolerance of 1/8 inch in 96 inches for level and plumb. Install adjoining interior finish carpentry with 1/32-inch maximum offset for flush installation and 1/16-inch maximum offset for reveal installation.
 - 5. Coordinate interior finish carpentry with materials and systems in or adjacent to it. Provide cutouts for mechanical and electrical items that penetrate interior finish carpentry.

3.3 INSTALLATION OF INTERIOR TRIM

- A. Install trim with minimum number of joints as is practical, using full-length pieces from maximum lengths of lumber available.
 - 1. Do not use pieces less than 24 inches long, except where necessary.
 - 2. Stagger joints in adjacent and related standing and running trim.
 - 3. Cope at returns, miter at outside corners, and cope at inside corners to produce tight-fitting joints with full-surface contact throughout length of joint.
 - 4. Use scarf joints for end-to-end joints.
 - 5. Plane backs of casings to provide uniform thickness across joints where necessary for alignment.
 - 6. Match color and grain pattern of trim for transparent finish (stain or clear finish) across joints.
 - 7. Install trim after gypsum-board joint finishing operations are completed.
 - 8. Install without splitting; drill pilot holes before fastening where necessary to prevent splitting.
 - 9. Fasten to prevent movement or warping.
 - 10. Countersink fastener heads on exposed carpentry work and fill holes.

3.4 INSTALLATION OF SHELVING AND CLOTHES RODS

- A. Cut shelf cleats at ends of shelves about 1/2 inch less than width of shelves and sand exposed ends smooth.
 - 1. Install shelf cleats by fastening to framing or backing with finish nails or trim screws, set below face and filled.
 - 2. Space fasteners not more than 16 inches o.c. Use two fasteners at each framing member or fastener location for cleats 4 inches nominal in width and wider.
 - 3. Apply a bead of multipurpose construction adhesive to back of shelf cleats before installing.
 - 4. Remove adhesive that is squeezed out after fastening shelf cleats in place.
- B. Install shelf brackets according to manufacturer's written instructions, spaced not more than 32 inches o.c. Fasten to framing members, blocking, or metal backing, or use toggle bolts or hollow wall anchors.
- C. Install standards for adjustable shelf supports according to manufacturer's written instructions. Fasten to framing members, blocking, or metal backing, or use toggle bolts or hollow wall anchors. Space fasteners not more than 12 inches o.c.
- D. Install standards for adjustable shelf brackets according to manufacturer's written instructions, spaced not more than 36 inches o.c. and within 6 inches of ends of shelves. Fasten to framing members, blocking, or metal backing, or use toggle bolts or hollow wall anchors.
- E. Cut shelves to neatly fit openings with only enough gap to allow shelves to be removed and reinstalled.
 - 1. Install shelves, fully seated on cleats, brackets, and supports.

2. Fasten shelves to cleats with finish nails or trim screws, set flush.
3. Fasten shelves to brackets to comply with bracket manufacturer's written instructions.

F. Install rod flanges for rods as indicated.

1. Fasten to shelf cleats, framing members, blocking, or metal backing, or use toggle bolts or hollow wall anchors.
2. Install rods in rod flanges.

3.5 ADJUSTING

A. Replace interior finish carpentry that is damaged or does not comply with requirements.

1. Interior finish carpentry may be repaired or refinished if work complies with requirements and shows no evidence of repair or refinishing.

B. Adjust joinery for uniform appearance.

END OF SECTION 062023

SECTION 064116 - PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Plastic-laminate-clad architectural cabinets.
 - 2. Cabinet hardware and accessories.
 - 3. Miscellaneous materials.

1.2 ACTION SUBMITTALS

- A. Product Data:
 - 1. Plastic-laminate-clad architectural cabinets.
 - 2. Cabinet hardware and accessories.
 - 3. Miscellaneous materials.
- B. Product Data Submittals: For each product.
 - 1. Include data for fire-retardant treatment from chemical-treatment manufacturer and certification by treating plant that treated materials comply with requirements.
- C. Shop Drawings:
 - 1. Include plans, elevations, sections, and attachment details.
 - 2. Show large-scale details.
 - 3. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.
 - 4. Show locations and sizes of cutouts and holes for items installed in plastic-laminate architectural cabinets.
 - 5. Apply AWI Quality Certification Program label to Shop Drawings.
- D. Samples: For each exposed product and for each color and texture specified, in manufacturer's or manufacturer's standard size.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For manufacturer, and, Installer.

1.4 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.
 - 1. Manufacturer's Certification: Licensed participant in AWI's Quality Certification Program.
- B. Installer Qualifications: Manufacturer of products, or Licensed participant in AWI's Quality Certification Program.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver cabinets until painting and similar finish operations that might damage architectural cabinets have been completed in installation areas. Store cabinets in installation areas or in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.

1.6 FIELD CONDITIONS

- A. Environmental Limitations without Humidity Control: Do not deliver or install cabinets until building is enclosed, wet-work is complete, and HVAC system is operating and maintaining temperature and relative humidity at levels planned for building occupants during the remainder of the construction period.
- B. Environmental Limitations with Humidity Control: Do not deliver or install cabinets until building is enclosed, wet-work is complete, and HVAC system is operating and maintaining temperature between 60 and 90 deg F and relative humidity between 25 and 55 percent during the remainder of the construction period.
- C. Field Measurements: Where cabinets are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication, and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
 - 1. Locate concealed framing, blocking, and reinforcements that support cabinets by field measurements before being enclosed/concealed by construction, and indicate measurements on Shop Drawings.
- D. Established Dimensions: Where cabinets are indicated to fit to other construction, establish dimensions for areas where cabinets are to fit. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

PART 2 - PRODUCTS

2.1 PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS

- A. Quality Standard: Unless otherwise indicated, comply with the Architectural Woodwork Standards for grades of cabinets indicated for construction, finishes, installation, and other requirements.
 - 1. Provide labels, and, certificates from AWI certification program indicating that woodwork and installation complies with requirements of grades specified.
- B. Architectural Woodwork Standards Grade: Custom.
- C. Type of Construction: Frameless.
- D. Door and Drawer-Front Style: Flush overlay.
- E. High-Pressure Decorative Laminate: ISO 4586-3, grades as indicated or if not indicated, as required by quality standard.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- F. Exposed Surfaces:
 - 1. Plastic-Laminate Grade: HGS.
 - 2. Edges: Grade HGS.
- G. Semiexposed Surfaces:
 - 1. Surfaces Other Than Drawer Bodies: Thermally fused laminate panels.
 - a. Edges of Plastic-Laminate Shelves: PVC T-mold matching laminate in color, pattern, and finish.
 - b. Edges of Thermally Fused Laminate Panel Shelves: PVC or polyester edge banding.
 - c. For semiexposed backs of panels with exposed plastic-laminate surfaces, provide surface of high-pressure decorative laminate, ISO 4586-3, grade to match exposed surface.
 - 2. Drawer Sides and Backs: Thermally fused laminate panels with PVC or polyester edge banding.
 - 3. Drawer Bottoms: Thermally fused laminate panels.
- H. Concealed Backs of Panels with Exposed Plastic-Laminate Surfaces: High-pressure decorative laminate, ISO 4583-3, grade to match exposed surface.

- I. Drawer Construction: Fabricate with exposed fronts fastened to subfront with mounting screws from interior of body.
 - 1. Join subfronts, backs, and sides with glued rabbeted joints supplemented by mechanical fasteners.
- J. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:
 - 1. As selected by Architect from laminate manufacturer's full range in the following categories:

2.2 WOOD MATERIALS

- A. Wood Products: Provide materials that comply with requirements of referenced quality standard for each type of architectural cabinet and quality grade specified unless otherwise indicated.
 - 1. Wood Moisture Content: 5 to 10 percent.
- B. Composite Wood Products: Provide materials that comply with requirements of referenced quality standard for each type of architectural cabinet and quality grade specified unless otherwise indicated.
 - 1. Composite Wood Products: Formaldehyde emission rates shall not be greater than the following when tested according to ASTM D6007 or ASTM E1333:
 - a. Particleboard: 0.09 ppm.
 - 2. Thermally Fused Laminate (TFL) Panels: Particleboard or MDF finished with thermally fused, melamine-impregnated decorative paper and complying with requirements of ISO 4586.

2.3 CABINET HARDWARE AND ACCESSORIES

- A. Cabinet Hardware: Provide cabinet hardware and accessory materials associated with architectural cabinets except for items specified in Section 087100 "Door Hardware."
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Accuride International Inc.
 - b. CompX International, Inc.
 - c. Grass America
 - d. Hardware Resources
 - e. Hettich America L.P.
 - f. Julius Blum & Co., Inc.
 - g. Knappe & Vogt Manufacturing Company

- B. Frameless Concealed Hinges (European Type): ANSI/BHMA A156.9, B01602, 135 degrees of opening, self-closing.
- C. Back-Mounted Pulls: ANSI/BHMA A156.9, B02011.
- D. Adjustable Shelf Standards and Supports: ANSI/BHMA A156.9, B04071; with shelf rests, B04081.
- E. Shelf Rests: ANSI/BHMA A156.9, B04013; metal.
- F. Drawer Slides: ANSI/BHMA A156.9.
 - 1. Standard Duty (Grade 1 and Grade 2): Side mount.
 - 2. Heavy-Duty (Grade 1HD-100 and Grade 1HD-200): Side mount.
 - a. Type: Full extension.
 - b. Material: Zinc-plated ball bearing slides.
 - c. Motion Feature: Soft close dampener.
 - 3. Pencil drawers not more than 3 inches high and not more than 24 inches wide, provide 50 lb load capacity.
 - 4. General-purpose drawers more than 3 inches high, but not more than 6 inches high and not more than 24 inches wide, provide 75 lb load capacity.
 - 5. File drawers more than 6 inches high or more than 24 inches wide, provide 100 lb load capacity.
 - 6. Lateral file drawers more than 6 inches high and more than 24 inches but not more than 30 inches wide, provide 150 lb load capacity.
 - 7. Lateral file drawers more than 6 inches high and more than 30 inches wide, provide 200 lb load capacity.
 - 8. Computer keyboard tray, provide 75 lb load capacity.
- G. Door Locks: ANSI/BHMA A156.11, E07121.
- H. Drawer Locks: ANSI/BHMA A156.11, E07041.
- I. Door and Drawer Silencers: ANSI/BHMA A156.16, L03011.
- J. Tempered Float Glass for Cabinet Doors: ASTM C1048, Kind FT, Condition A, Type I, Class 1 (clear), Quality-Q3, 6 mm thick unless otherwise indicated.
- K. Grommets for Cable Passage: 2-inch OD, molded-plastic grommets and matching plastic caps with slot for wire passage.
 - 1. Color: Black.
- L. Exposed Hardware Finishes: For exposed hardware, provide finish that complies with ANSI/BHMA A156.18 for ANSI/BHMA finish number indicated.
 - 1. Satin Chromium Plated: ANSI/BHMA 626 for brass or bronze base; ANSI/BHMA 652 for steel base.

- M. For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in ANSI/BHMA A156.9.

2.4 MISCELLANEOUS MATERIALS

- A. Furring, Blocking, Shims, and Hanging Strips: Softwood or hardwood lumber, kiln-dried to less than 15 percent moisture content.
- B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide metal expansion sleeves or expansion bolts for post-installed anchors. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior walls and at floors.
- C. Adhesive for Bonding Plastic Laminate: Type I, waterproof type as selected by fabricator to comply with requirements.

2.5 FABRICATION

- A. Fabricate architectural cabinets to dimensions, profiles, and details indicated.
- B. Complete fabrication, including assembly and hardware application, to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
- C. Shop-cut openings to maximum extent possible to receive hardware, appliances, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.
- D. Install glass to comply with applicable requirements in Section 088000 "Glazing" and in GANA's "Glazing Manual."
 - 1. For glass in frames, secure glass with removable stops.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Before installation, condition cabinets to humidity conditions in installation areas for not less than 72 hours.

3.2 INSTALLATION

- A. Architectural Woodwork Standards Grade: Install cabinets to comply with quality standard grade of item to be installed.

- B. Assemble cabinets and complete fabrication at Project site to extent that it was not completed in the shop.
- C. Anchor cabinets to anchors or blocking built in or directly attached to substrates. Secure with wafer-head cabinet installation screws.
- D. Install cabinets level, plumb, and true in line to a tolerance of 1/8 inch in 96 inches using concealed shims.
 - 1. Scribe and cut cabinets to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
 - 2. Install cabinets without distortion so doors and drawers fit openings and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete installation of hardware and accessory items as indicated.
 - 3. Fasten wall cabinets through back, near top and bottom, and at ends not more than 16 inches o.c. with No. 10 wafer-head screws sized for not less than 1-1/2-inch penetration into wood framing, blocking, or hanging strips.

3.3 FIELD QUALITY CONTROL

- A. Inspections: Provide inspection of installed Work through AWI's Quality Certification Program certifying that woodwork, including installation, complies with requirements of the Architectural Woodwork Standards for the specified grade.

3.4 ADJUSTING AND CLEANING

- A. Repair damaged and defective cabinets, where possible, to eliminate functional and visual defects. Where not possible to repair, replace architectural cabinets. Adjust joinery for uniform appearance.
- B. Clean, lubricate, and adjust hardware.
- C. Clean cabinets on exposed and semiexposed surfaces.

END OF SECTION 064116

SECTION 064216 - FLUSH WOOD PANELING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Flush wood paneling (wood-veneer wall surfacing).
 - 2. Installation materials.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For flush wood paneling.
 - 1. Include plans, elevations, sections, and attachment details.
 - 2. Show details full size.
 - 3. Show locations and sizes of furring and blocking, including concealed blocking specified in other Sections.
 - 4. For paneling produced from premanufactured sets, show finished panel sizes, set numbers, sequence numbers within sets, and method of cutting panels to produce indicated sizes.
 - 5. For paneling veneered in fabrication shop, show veneer leaves with dimensions, grain direction, exposed face, and identification numbers indicating the flitch and sequence within the flitch for each leaf.
 - 6. Apply AWI Quality Certification Program label to Shop Drawings.
- C. Samples: For each exposed product and for each color and finish specified, in manufacturer's or fabricator's standard size.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For fabricator.
- B. Quality Standard Compliance Certificates: AWI Quality Certification Program.

1.4 QUALITY ASSURANCE

- A. Fabricator Qualifications: Shop that employs skilled workers who custom-fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.
- B. Shop Certification: AWI's Quality Certification Program accredited participant.

- C. Installer Qualifications: Fabricator of products, or AWI's Quality Certification Program accredited participant.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver paneling until painting and similar operations that might damage paneling have been completed in installation areas. Store paneling in installation areas or in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.

1.6 FIELD CONDITIONS

- A. Environmental Limitations without Humidity Control: Do not deliver or install paneling until building is enclosed, wet-work is complete, and HVAC system is operating and will maintain temperature and relative humidity at levels planned for building occupants during the remainder of the construction period.
- B. Environmental Limitations with Humidity Control: Do not deliver or install paneling until building is enclosed, wet-work is complete, and HVAC system is operating and will maintain temperature between 60 and 90 deg F and relative humidity between 25 and 55 percent during the remainder of the construction period.
- C. Field Measurements: Where paneling is indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
 - 1. Locate concealed framing, blocking, and reinforcements that support paneling by field measurements before being enclosed/concealed by construction and indicate measurements on Shop Drawings.
- D. Established Dimensions: Where paneling is indicated to fit to other construction, establish dimensions for areas where woodwork is to fit. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

PART 2 - PRODUCTS

2.1 PANELING, GENERAL

- A. Quality Standard: Unless otherwise indicated, comply with the "Architectural Woodwork Standards" for grades of flush wood paneling (wood-veneer wall surfacing) indicated for construction, finishes, installation, and other requirements.
 - 1. Provide inspections of fabrication and installation together with labels and certificates from AWI certification program indicating that woodwork complies with requirements of grades specified.

2. The Contract Documents contain requirements that are more stringent than the referenced woodwork quality standard. Comply with requirements of Contract Documents in addition to those of the referenced quality standard.

2.2 FLUSH WOOD PANELING (WOOD-VENEER WALL SURFACING)

- A. Grade: Custom.
- B. Wood Species and Cut: Refer to drawings.
- C. Veneer Matching Method:
 1. Adjacent Veneer Leaves: Book match.
 2. Within Panel Face: Running match.
 3. Adjacent Veneer Leaves and within Panel Face: Slip, center-balance, or book match.
- D. Panel-Matching Method:
 1. No matching is required between adjacent panels. Select and arrange panels for similarity of grain pattern and color between adjacent panels.
 2. Premanufactured panel sets used full width within each separate area.
 - a. See Section 011000 "Summary" for requirements concerning fitches reserved by Architect.
- E. Vertical Panel-Matching Method: Architectural end book match; veneer leaves are individually book matched from lower panels to upper panels.
- F. Panel Core Construction: Hardwood veneer-core plywood.
 1. Thickness: As indicated on Drawings.
- G. Exposed Panel Edges: Inset solid-wood or wood-veneer matching faces.
- H. Assemble panels by gluing and concealed fastening.

2.3 MATERIALS

- A. Materials, General: Provide materials that comply with requirements of referenced quality standard for each quality grade specified unless otherwise indicated.
- B. Wood Moisture Content: 5 to 10 percent.
- C. Composite Wood Products: Provide materials that comply with requirements of referenced quality standard for each quality grade specified unless otherwise indicated.
 1. Veneer-Faced Panel Products (Hardwood Plywood): HPVA HP-1.

2.4 INSTALLATION MATERIALS

- A. Furring, Blocking, Shims, and Hanging Strips: [Softwood or hardwood lumber] [Fire-retardant-treated softwood lumber], kiln-dried to less than 15 percent moisture content.
- B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide metal expansion sleeves or expansion bolts for post-installed anchors. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior walls.
- C. Installation Adhesive: Product recommended by panel fabricator for each substrate for secure anchorage.

2.5 FABRICATION

- A. Arrange paneling in shop or other suitable space in proposed sequence for examination by Architect. Mark units with temporary sequence numbers to indicate position in proposed layout.
 - 1. Lay out one elevation at a time if approved by Architect.
 - 2. Notify Architect seven days in advance of the date and time when layout will be available for viewing.
 - 3. Provide lighting of similar type and level as that of final installation for viewing layout unless otherwise approved by Architect.
 - 4. Rearrange paneling as directed by Architect until layout is approved.
 - 5. Do not trim end units and other nonmodular-size units to less than modular size until after Architect's approval of layout.
 - 6. Obtain Architect's approval of layout before start of assembly. Mark units and Shop Drawings with assembly sequence numbers based on approved layout.
- B. Complete fabrication, including assembly, to maximum extent possible, before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
 - 1. Notify Architect seven days in advance of the dates and times paneling fabrication will be complete.
- C. Shop cut openings, to maximum extent possible, to receive hardware, appliances, plumbing fixtures, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.

2.6 SHOP FINISHING

- A. General: Finish paneling at fabrication shop as specified in this Section. Defer only final touchup, cleaning, and polishing until after installation.
- B. Preparation for Finishing: Comply with referenced quality standard for sanding, filling

countersunk fasteners, sealing concealed surfaces, and similar preparations for finishing paneling, as applicable to each unit of work.

1. Backpriming: Apply two coats of sealer or primer, compatible with finish coats, to concealed surfaces of paneling.

C. Transparent Finish:

1. Grade: Custom.
2. Finish: System - 5, conversion varnish.
3. Wash Coat for Closed-Grain Woods: Apply wash-coat sealer to woodwork made from closed-grain wood before staining and finishing.
4. Staining: Match approved sample for color.
5. Open Finish for Open-Grain Woods: Do not apply filler to open-grain woods.
6. Filled Finish for Open-Grain Woods: After staining, apply wash-coat sealer and allow to dry. Apply paste wood filler and wipe off excess. Tint filler to match stained wood.
7. Sheen: Satin, 31-45 gloss units measured on 60-degree gloss meter per ASTM D523.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Before installation, condition paneling to humidity conditions in installation areas.
- B. Before installing paneling, examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming.

3.2 INSTALLATION

- A. Grade: Install paneling to comply with quality standard grade of paneling to be installed.
- B. Install paneling level, plumb, true in line, and without distortion. Shim as required with concealed shims. Install level and plumb to a tolerance of 1/8 inch in 96 inches. Install with no more than 1/16 inch in 96-inch vertical cup or bow and 1/8 inch in 96-inch horizontal variation from a true plane.
 1. For flush paneling with revealed joints, install with variations in reveal width, alignment of top and bottom edges, and flushness between adjacent panels not exceeding 1/32 inch.
- C. Anchor paneling to supporting substrate with concealed panel-hanger clips.
- D. Complete finishing work specified in this Section to extent not completed at shop or before installation of paneling. Fill nail holes with matching filler where exposed.

1. Apply specified finish coats, including stains and paste fillers if any, to exposed surfaces where only sealer/prime coats are shop applied.

3.3 ADJUSTING AND CLEANING

- A. Repair damaged and defective paneling, where possible, to eliminate defects. Where not possible to repair, replace paneling. Adjust for uniform appearance.
- B. Clean paneling on exposed surfaces. Touch up shop-applied finishes to restore damaged or soiled areas.

END OF SECTION 064216

SECTION 064219 - PLASTIC-LAMINATE-FACED WOOD PANELING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:

1.2 ACTION SUBMITTALS

- A. Product Data:
 - 1. Plastic-laminate-faced wood paneling.
- B. Product Data Submittals: For each product.
- C. Shop Drawings: For plastic-laminate-faced wood paneling.
 - 1. Include plans, elevations, sections, and attachment details.
 - 2. Show details full size.
 - 3. Show locations and sizes of furring and blocking, including concealed blocking specified in other Sections.
 - 4. Apply AWI Quality Certification Program label to Shop Drawings.
- D. Samples: For each exposed product and for each color and texture specified, in manufacturer's or fabricator's standard size.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For fabricator.
- B. Quality Standard Compliance Certificates: AWI Quality Certification Program.

1.4 QUALITY ASSURANCE

- A. Fabricator Qualifications: Shop that employs skilled workers who custom-fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.
 - 1. Shop Certification: AWI's Quality Certification Program accredited participant.
- B. Installer Qualifications: Fabricator of products, or AWI's Quality Certification Program accredited participant.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver paneling until painting and similar operations that might damage paneling have been completed in installation areas. Store paneling in installation areas or in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.

1.6 FIELD CONDITIONS

- A. Environmental Limitations without Humidity Control: Do not deliver or install paneling until building is enclosed, wet-work is complete, and HVAC system is operating and will maintain temperature and relative humidity at levels planned for building occupants during the remainder of the construction period.
- B. Environmental Limitations with Humidity Control: Do not deliver or install paneling until building is enclosed, wet-work is complete, and HVAC system is operating and will maintain temperature between 60 and 90 deg F and relative humidity between 25 and 55 percent during the remainder of the construction period.
- C. Field Measurements: Where paneling is indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
 - 1. Locate concealed framing, blocking, and reinforcements that support paneling by field measurements before being enclosed/concealed by construction and indicate measurements on Shop Drawings.
- D. Established Dimensions: Where paneling is indicated to fit to other construction, establish dimensions for areas where woodwork is to fit. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

PART 2 - PRODUCTS

2.1 PANELING, GENERAL

- A. Quality Standard: Unless otherwise indicated, comply with the "Architectural Woodwork Standards" for grades of plastic-laminate-faced wood paneling (decorative laminate surfacing) indicated for construction, finishes, installation, and other requirements.
 - 1. Provide inspections including installation together with labels and certificates from AWI certification program indicating that woodwork complies with requirements of grades specified.
 - 2. The Contract Documents contain requirements that are more stringent than the referenced woodwork quality standard. Comply with requirements of Contract Documents in addition to those of the referenced quality standard.

2.2 PLASTIC-LAMINATE-FACED WOOD PANELING

- A. Grade: Custom.
- B. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed surfaces complying with the following requirements:
 - 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- C. Panel Core: Particleboard or MDF.
 - 1. Thickness: As indicated on Drawings.
- D. Exposed Panel Edges: Legs of metal channels forming reveals.
- E. Panel Reveals: Matte black plastic laminate.
- F. Adhesives for Bonding Plastic Laminate: Type I, waterproof type as selected by fabricator to comply with requirements.
- G. Assemble panels by gluing and concealed fastening.

2.3 MATERIALS

- A. Materials, General: Provide materials that comply with requirements of referenced quality standard for each quality grade specified unless otherwise indicated.
- B. Wood Moisture Content: 5 to 10 percent.
- C. Composite Wood Products: Provide materials that comply with requirements of referenced quality standard for each quality grade specified unless otherwise indicated.
 - 1. Composite Wood Products: Products shall be made without urea formaldehyde.
 - 2. MDF: ANSI A208.2, Grade 130.
 - 3. Particleboard (Medium Density): ANSI A208.1, Grade M-2.

2.4 INSTALLATION MATERIALS

- A. Furring, Blocking, Shims, and Hanging Strips: [Softwood or hardwood lumber] [Fire-retardant-treated softwood lumber], kiln-dried to less than 15 percent moisture content.
- B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide metal expansion sleeves or expansion bolts for post-installed anchors. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior walls.
- C. Installation Adhesive: Product recommended by panel fabricator for each substrate for

secure anchorage.

2.5 FABRICATION

- A. Complete fabrication, including assembly, to maximum extent possible, before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
 - 1. Notify Architect seven days in advance of the dates and times paneling fabrication will be complete.
- B. Shop cut openings, to maximum extent possible, to receive hardware, appliances, plumbing fixtures, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Before installation, condition paneling to humidity conditions in installation areas.
- B. Before installing paneling, examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming.

3.2 INSTALLATION

- A. Grade: Install paneling to comply with quality standard grade of paneling to be installed.
- B. Install paneling level, plumb, true in line, and without distortion. Shim as required with concealed shims. Install level and plumb to a tolerance of 1/8 inch in 96 inches. Install with no more than 1/16 inch in 96-inch vertical cup or bow and 1/8 inch in 96-inch horizontal variation from a true plane.
 - 1. For flush paneling with revealed joints, install with variations in reveal width, alignment of top and bottom edges, and flushness between adjacent panels not exceeding 1/32 inch.
- C. Anchor paneling to supporting substrate with concealed panel-hanger clips. Do not use face fastening unless otherwise indicated.

3.3 ADJUSTING AND CLEANING

- A. Repair damaged and defective paneling, where possible, to eliminate defects. Where

not possible to repair, replace paneling. Adjust for uniform appearance.

- B. Clean paneling on exposed surfaces. Touch up shop-applied finishes to restore damaged or soiled areas.

END OF SECTION 064219

SECTION 066400 - PLASTIC PANELING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Plastic sheet paneling.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For plastic paneling and trim accessories, in manufacturer's standard sizes.

1.3 QUALITY ASSURANCE

- A. Testing Agency: Acceptable to authorities having jurisdiction.

1.4 PROJECT CONDITIONS

- A. Environmental Limitations: Do not deliver or install plastic paneling until spaces are enclosed and weathertight and temporary HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain plastic paneling and trim accessories from single manufacturer.

2.2 PLASTIC SHEET PANELING

- A. Glass-Fiber-Reinforced Plastic Paneling: Gelcoat-finished, glass-fiber-reinforced plastic panels complying with ASTM D5319. Panels are to be USDA accepted for incidental food contact.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by the following:

- a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
2. Surface-Burning Characteristics: As follows when tested by a qualified testing agency in accordance with ASTM E84. Identify products with appropriate markings of applicable testing agency.
 - a. Flame-Spread Index: 25 or less.
 - b. Smoke-Developed Index: 450 or less.

2.3 ACCESSORIES

- A. Trim Accessories: Manufacturer's standard vinyl extrusions designed to retain and cover edges of panels. Provide division bars, inside corners, outside corners, and caps as needed to conceal edges.
 1. Color: As selected by Architect from manufacturer's full range.
- B. Concealed Mounting Splines: Continuous, H-shaped aluminum extrusions designed to fit into grooves routed in edges of factory-laminated panels and to be fastened to substrate.
- C. Adhesive: As recommended by plastic paneling manufacturer.
- D. Sealant: Mildew-resistant, single-component, neutral-curing or acid-curing silicone sealant recommended by plastic paneling manufacturer and complying with requirements in Section 079200 "Joint Sealants."

PART 3 - EXECUTION

3.1 PREPARATION

- A. Prepare substrate by sanding high spots and filling low spots as needed to provide flat, even surface for panel installation.
- B. Clean substrates of substances that could impair adhesive bond, including oil, grease, dirt, and dust.
- C. Condition panels by unpacking and placing in installation space before installation according to manufacturer's written recommendations.
- D. Lay out paneling before installing. Locate panel joints to provide equal panels at ends of walls not less than half the width of full panels, so that trimmed panels at corners are not less than 12 inches wide.
 1. Mark plumb lines on substrate at trim accessory locations for accurate installation.
 2. Locate trim accessories to allow clearance at panel edges according to

manufacturer's written instructions.

3.2 INSTALLATION

- A. Install plastic paneling according to manufacturer's written instructions.
- B. Install panels in a full spread of adhesive.
- C. Install trim accessories with adhesive. Do not fasten through panels.
- D. Fill grooves in trim accessories with sealant before installing panels, and bed inside corner trim in a bead of sealant.
- E. Maintain uniform space between panels and wall fixtures. Fill space with sealant.
- F. Maintain uniform space between adjacent panels and between panels and floors, ceilings, and fixtures. Fill space with sealant.
- G. Remove excess sealant and smears as paneling is installed. Clean with solvent recommended by sealant manufacturer and then wipe with clean dry cloths until no residue remains.

END OF SECTION 066400

SECTION 071113 - BITUMINOUS DAMPPROOFING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Cold-applied, emulsified-asphalt dampproofing.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.

1.3 FIELD CONDITIONS

- A. Weather Limitations: Proceed with application only when existing and forecasted weather conditions permit dampproofing to be performed according to manufacturers' written instructions.

PART 2 - PRODUCTS

2.1 COLD-APPLIED, EMULSIFIED-ASPHALT DAMPPROOFING

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. Euclid Chemical Company (The); an RPM company
 2. Henry Company; a Carlisle company
 3. W. R. Meadows, Inc
- B. Trowel Coats: ASTM D1227, Type II, Class 1.
- C. Fibered Brush and Spray Coats: ASTM D1227, Type II, Class 1.
- D. Brush and Spray Coats: ASTM D1227, Type III, Class 1.

2.2 AUXILIARY MATERIALS

- A. Furnish auxiliary materials recommended in writing by dampproofing manufacturer for intended use and compatible with bituminous dampproofing.
- B. Emulsified-Asphalt Primer: ASTM D1227, Type III, Class 1, except diluted with water

as recommended in writing by manufacturer.

- C. Patching Compound: Epoxy or latex-modified repair mortar of type recommended in writing by dampproofing manufacturer.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Clean, prepare, and treat substrates according to manufacturer's written instructions. Provide clean, dust-free, and dry substrates for dampproofing application.
- B. Mask or otherwise protect adjoining exposed surfaces from being stained, spotted, or coated with dampproofing. Prevent dampproofing materials from entering and clogging weep holes and drains.
- C. Clean substrates of projections and substances detrimental to dampproofing work; fill voids, seal joints, and remove bond breakers if any.
- D. Apply patching compound to patch and fill tie holes, honeycombs, reveals, and other imperfections.

3.2 INSTALLATION, GENERAL

- A. Comply with manufacturer's written instructions for dampproofing application, cure time between coats, and drying time before backfilling unless otherwise indicated.
 - 1. Apply dampproofing to provide continuous plane of protection.
 - 2. Apply additional coats if recommended in writing by manufacturer or to achieve a smooth surface and uninterrupted coverage.
- B. Where dampproofing footings and foundation walls, apply from finished-grade line to top of footing; extend over top of footing and down a minimum of 6 inches over outside face of footing.
 - 1. Extend dampproofing 12 inches onto intersecting walls and footings, but do not extend onto surfaces exposed to view when Project is completed.

3.3 INSTALLATION OF COLD-APPLIED, EMULSIFIED-ASPHALT DAMPPROOFING

- A. Concrete Foundations and Parged Masonry Foundation Walls: Apply two brush or spray coats at not less than 1.5 gal./100 sq. ft. for first coat and 1 gal./100 sq. ft. for second coat.

3.4 PROTECTION

- A. Protect installed insulation drainage panels from damage due to UV light, harmful weather exposures, physical abuse, and other causes. Provide temporary coverings where panels are subject to abuse and cannot be concealed and protected by permanent construction immediately after installation.
- B. Correct dampproofing that does not comply with requirements; repair substrates, and reapply dampproofing.

END OF SECTION 071113

SECTION 072100 - THERMAL INSULATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Extruded polystyrene foam-plastic board insulation.
2. Glass-fiber blanket insulation.
3. Mineral-wool board insulation.

B. Related Requirements:

1. Section 072119 "Foamed-in-Place Insulation" for spray-applied polyurethane foam insulation.
2. Section 075423 "Thermoplastic-Polyolefin (TPO) Roofing" for insulation specified as part of roofing construction.
3. Section 072419 "Water-Drainage Exterior Insulation and Finish System" for rigid insulation behind finish.
4. Section 092900 "Gypsum Board" for sound attenuation blanket used as acoustic insulation.

1.2 ACTION SUBMITTALS

A. Product Data:

1. Extruded polystyrene foam-plastic board insulation.
2. Glass-fiber blanket insulation.
3. Mineral-wool board insulation.

1.3 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: For each product, for tests performed by a qualified testing agency.
- B. Research Reports: For foam-plastic insulation, from ICC-ES.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Protect insulation materials from physical damage and from deterioration due to moisture, soiling, and other sources. Store inside and in a dry location. Comply with manufacturer's written instructions for handling, storing, and protecting during installation.

- B. Protect foam-plastic board insulation as follows:
 - 1. Do not expose to sunlight except to necessary extent for period of installation and concealment.
 - 2. Protect against ignition at all times. Do not deliver foam-plastic board materials to Project site until just before installation time.
 - 3. Quickly complete installation and concealment of foam-plastic board insulation in each area of construction.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Surface-Burning Characteristics: Maximum flame-spread and smoke-developed indexes less than 25 and 450 when tested in accordance with ASTM E84.
- B. Fire-Resistance Ratings: Comply with ASTM E119 or UL 263; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - 1. Indicate design designations from UL's "Fire Resistance Directory" or from listings of another qualified testing agency.
- C. Fire Propagation Characteristics: Passes NFPA 285 testing as part of an approved assembly.
- D. Labeling: Provide identification of mark indicating R-value of each piece of insulation 12 inches and wider in width.
- E. Thermal-Resistance Value (R-Value): R-value as indicated on Drawings in accordance with ASTM C518.

2.2 EXTRUDED POLYSTYRENE FOAM-PLASTIC BOARD INSULATION

- A. Extruded Polystyrene Board Insulation, Type X: ASTM C578, Type X, 15-psi minimum compressive strength; unfaced.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. DiversiFoam Products
 - b. DuPont de Nemours, Inc.
 - c. Owens Corning
 - d. The Dow Chemical Company

2.3 GLASS-FIBER BLANKET INSULATION

- A. Glass-Fiber Blanket Insulation, Unfaced: ASTM C665, Type I; passing ASTM E136 for combustion characteristics.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. CertainTeed; SAINT-GOBAIN
 - b. Johns Manville; a Berkshire Hathaway company
 - c. Knauf Insulation
 - d. Owens Corning

2.4 MINERAL-WOOL BOARD INSULATION

- A. Mineral-Wool Board Insulation, Types IA and IB, Unfaced: ASTM C612, Types IA and IB; passing ASTM E136 for combustion characteristics.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Johns Manville; a Berkshire Hathaway company
 - b. Owens Corning
 - c. ROCKWOOL

2.5 ACCESSORIES

- A. Insulation for Miscellaneous Voids:
 - 1. Glass-Fiber Insulation: ASTM C764, Type II, loose fill; with maximum flame-spread and smoke-developed indexes of 5, per ASTM E84.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Clean substrates of substances that are harmful to insulation, including removing projections capable of puncturing insulation or vapor retarders, or that interfere with insulation attachment.

3.2 INSTALLATION, GENERAL

- A. Comply with insulation manufacturer's written instructions applicable to products and applications.
- B. Install insulation that is undamaged, dry, and unsoiled and that has not been left

exposed to ice, rain, or snow at any time.

- C. Install insulation with manufacturer's R-value label exposed after insulation is installed.
- D. Extend insulation to envelop entire area to be insulated. Fit tightly around obstructions and fill voids with insulation. Remove projections that interfere with placement.
- E. Provide sizes to fit applications and selected from manufacturer's standard thicknesses, widths, and lengths. Apply single layer of insulation units unless multiple layers are otherwise shown or required to make up total thickness or to achieve R-value.

3.3 INSTALLATION OF SLAB INSULATION

- A. On vertical slab edge and foundation surfaces, set insulation units using manufacturer's recommended adhesive according to manufacturer's written instructions.
 - 1. If not otherwise indicated, extend insulation a minimum of 24 inches below exterior grade line.
- B. On horizontal surfaces, loosely lay insulation units according to manufacturer's written instructions. Stagger end joints and tightly abut insulation units.
 - 1. If not otherwise indicated, extend insulation a minimum of [24 inches] [36 inches] <Insert dimension> in from exterior walls.

3.4 INSTALLATION OF FOUNDATION WALL INSULATION

- A. Butt panels together for tight fit.
- B. Adhesive Installation: Install with adhesive or press into tacky waterproofing or dampproofing according to manufacturer's written instructions.

3.5 INSTALLATION OF INSULATION IN FRAMED CONSTRUCTION

- A. Blanket Insulation: Install in cavities formed by framing members according to the following requirements:
 - 1. Use insulation widths and lengths that fill the cavities formed by framing members. If more than one length is required to fill the cavities, provide lengths that will produce a snug fit between ends.
 - 2. Place insulation in cavities formed by framing members to produce a friction fit between edges of insulation and adjoining framing members.
 - 3. Maintain 3-inch clearance of insulation around recessed lighting fixtures not rated for or protected from contact with insulation.
 - 4. For wood-framed construction, install blankets in accordance with ASTM C1320 and as follows:

- a. With faced blankets having stapling flanges, lap blanket flange over flange of adjacent blanket to maintain continuity of vapor retarder once finish material is installed over it.
- B. Miscellaneous Voids: Install insulation in miscellaneous voids and cavity spaces where required to prevent gaps in insulation using the following materials:
 - 1. Glass-Fiber Insulation: Compact to approximately 40 percent of normal maximum volume equaling a density of approximately 2.5 lb/cu. ft..

3.6 PROTECTION

- A. Protect installed insulation from damage due to harmful weather exposures, physical abuse, and other causes.
- B. Provide temporary coverings or enclosures where insulation is subject to abuse and cannot be concealed and protected by permanent construction immediately after installation.

END OF SECTION 072100

SECTION 072119 - FOAMED-IN-PLACE INSULATION

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Closed-cell spray polyurethane foam insulation.
 - 2. Accessories.

1.2 ACTION SUBMITTALS

- A. Product Data:
 - 1. Closed-cell spray polyurethane foam insulation.
 - 2. Accessories.

1.3 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: For each product, for tests performed by qualified testing agency.
- B. Qualification Statements: For Installer.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An authorized representative who is trained and approved by manufacturer.

PART 2 - PRODUCTS

2.1 CLOSED-CELL SPRAY POLYURETHANE FOAM INSULATION

- A. Closed-Cell Spray Polyurethane Foam: ASTM C1029, Type II, minimum density of 1.5 lb/cu. ft. and minimum aged R-value at 1-inch thickness of 6.2 deg F x h x sq. ft./Btu at 75 deg F.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Carlisle Spray Foam Insulation
 - b. Gaco; Holcim Building Envelope

- c. Henry Company; a Carlisle company
 - d. Johns Manville; a Berkshire Hathaway company
- 2. Surface-Burning Characteristics: Comply with ASTM E84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - a. Flame-Spread Index: 25 or less.
 - b. Smoke-Developed Index: 450 or less.
- 3. Fire Propagation Characteristics: Passes NFPA 285, and, NFPA 276 testing as part of an approved assembly.

2.2 ACCESSORIES

- A. Primer: Material recommended by insulation manufacturer where required for adhesion of insulation to substrates.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Verify that substrates are clean, dry, and free of substances that are harmful to insulation.
- B. Priming: Prime substrates where recommended by insulation manufacturer. Apply primer to comply with insulation manufacturer's written instructions. Confine primers to areas to be insulated; do not allow spillage or migration onto adjoining surfaces.

3.2 INSTALLATION

- A. Comply with insulation manufacturer's written instructions applicable to products and applications.
- B. Spray insulation to envelop entire area to be insulated and fill voids.
- C. Apply in multiple passes to not exceed maximum thicknesses recommended by manufacturer. Do not spray into rising foam.
- D. Framed Construction: Install into cavities formed by framing members to achieve thickness indicated on Drawings.
- E. Cavity Walls: Install into cavities to thickness indicated on Drawings.
- F. Miscellaneous Voids: Apply according to manufacturer's written instructions.

3.3 PROTECTION

- A. Protect installed insulation from damage due to harmful weather exposures, physical abuse, and other causes.

END OF SECTION 072119

SECTION 072419 - WATER-DRAINAGE EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Water-drainage exterior insulation and finish system (EIFS).
 - 1. EIFS-clad drainage-wall assemblies that are field applied over substrate.
 - 2. Water-resistive barrier coatings.

1.2 ACTION SUBMITTALS

- A. Product Data: For each EIFS component, trim, and accessory, including water-resistive barrier coatings.
- B. Shop Drawings:
 - 1. Include details for EIFS buildouts.
 - 2. Include details for parapet cap flashing.
- C. Samples: For each exposed product and for each color and texture specified, 8 inches square in size.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Manufacturer Certificates: Signed by EIFS manufacturer, certifying the following:
 - 1. EIFS complies with requirements.
 - 2. Substrates to which EIFS is indicated to be attached are acceptable to EIFS manufacturer.
 - 3. Accessory products installed with EIFS, including joint sealants, flashing,, water-resistive barrier coatings,, trim, whether or not furnished by EIFS manufacturer and whether or not specified in this Section, are acceptable to EIFS manufacturer.
- C. Product Certificates: For cementitious materials and aggregates and for insulation and joint sealant, from manufacturer.
- D. Product Test Reports: For each EIFS assembly and component, and for water-resistive barrier coatings, for tests performed by a qualified testing agency.
- E. Field quality-control reports.

- F. Sample Warranty: For manufacturer's special warranty.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An installer who is certified in writing by AWCI International as qualified to install Class PB EIFS using trained workers.
- B. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, to set quality standards for materials and execution, and to set quality standards for fabrication and installation.
1. Build mockup of typical wall area as shown on Drawings.
 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
 3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in original, unopened packages with manufacturers' labels intact and clearly identifying products.
- B. Store materials inside and under cover; keep them dry and protected from weather, direct sunlight, surface contamination, aging, corrosion, damaging temperatures, construction traffic, and other causes.
1. Stack insulation board flat and off the ground.
 2. Protect plastic insulation against ignition at all times. Do not deliver plastic insulating materials to Project site before installation time.
 3. Complete installation and concealment of plastic materials as rapidly as possible in each area of construction.

1.6 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions and ambient outdoor air, humidity, and substrate temperatures permit EIFS to be applied, dried, and cured according to manufacturers' written instructions and warranty requirements.
1. Proceed with installation of adhesives or coatings only when ambient temperatures have remained, or are forecast to remain, above 40 deg F for a minimum of 24 hours before, during, and after application. Do not apply EIFS adhesives or coatings during rainfall.

1.7 WARRANTY

- A. Manufacturer's Special Warranty: Manufacturer agrees to repair or replace components of EIFS-clad drainage-wall assemblies that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Bond integrity and weathertightness.
 - b. Deterioration of EIFS finishes and other EIFS materials beyond normal weathering.
 - 2. Warranty coverage includes the following components of EIFS-clad drainage-wall assemblies:
 - a. EIFS finish, including base coats, finish coats, and reinforcing mesh.
 - b. Insulation installed as part of EIFS including foam buildouts.
 - c. Insulation adhesive.
 - d. EIFS accessories, including trim components and flashing.
 - e. Water-resistive barrier coatings.
 - 3. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 WATER-DRAINAGE EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- B. Source Limitations: Obtain EIFS from single source from single EIFS manufacturer and from sources approved by EIFS manufacturer as compatible with EIFS components.

2.2 PERFORMANCE REQUIREMENTS

- A. EIFS Performance: Comply with ASTM E2568 and with the following:
 - 1. Weathertightness: Resistant to uncontrolled water penetration from exterior, with a means to drain water entering EIFS to the exterior.
 - 2. System Fire Performance: Fire-resistance rating of wall assembly.
 - 3. Structural Performance of Assembly and Components:
 - a. Wind Loads:

- 1) Uniform pressure as indicated on Drawings.
4. Impact Performance: ASTM E2568, High impact resistance.
5. Drainage Efficiency: 90 percent average minimum when tested in accordance with ASTM E2273.

2.3 EIFS MATERIALS

- A. Water-Resistive Barrier Coating: EIFS manufacturer's standard formulation and accessories for use as water-resistive barrier coating; compatible with substrate.
 1. Water-Resistance: Comply with physical and performance criteria of ASTM E2570/E2570M.
- B. Flexible-Membrane Flashing: Cold-applied, self-adhering, self-healing, rubberized-asphalt, and polyethylene-film composite sheet or tape and primer; EIFS manufacturer's standard or product recommended in writing by EIFS manufacturer.
- C. Insulation Adhesive: EIFS manufacturer's standard formulation designed for indicated use; specifically formulated to be applied to back side of insulation in a manner that creates open vertical channels designed to serve as an integral part of the water-drainage system of the EIFS-clad drainage-wall assembly; compatible with substrate; and complying with one of the following:
 1. Job-mixed formulation of portland cement complying with ASTM C150/C150M, Type I, and polymer-based adhesive specified for base coat.
 2. Factory-blended dry formulation of portland cement, dry polymer admixture, and fillers specified for base coat.
 3. Factory-mixed noncementitious formulation designed for adhesive attachment of insulation to substrates of type indicated, as recommended by EIFS manufacturer.
- D. Molded, (Expanded) Rigid Cellular Polystyrene Board Insulation: Comply with ASTM E2430/E2430M, unless otherwise noted, and the following:
 1. Flame-Spread and Smoke-Developed Indexes: 25 and 450 or less, respectively, in accordance with ASTM E84.
 2. Dimensions: Provide insulation boards of not more than 24 by 48 inches, with thickness indicated on Drawings.
 3. Channeled Board Insulation: EIFS manufacturer's standard factory-fabricated profile with linear, vertical-drainage channels, slots, or waves on the back side of board.
 4. Foam Buildouts: Provide with profiles and dimensions indicated on Drawings.
- E. Reinforcing Mesh: Balanced, alkali-resistant, open-weave, glass-fiber mesh treated for compatibility with other EIFS materials, made from continuous multiend strands with retained mesh tensile strength of not less than 120 lbf/in. in accordance with ASTM E2098/E2098M and the following:
 1. Reinforcing Mesh for EIFS, General: Not less than weight required to comply with

- impact-performance level specified in "Performance Requirements" Article.
 - 2. Strip-Reinforcing Mesh: Not less than 3.75 oz./sq. yd.
 - 3. Detail-Reinforcing Mesh: Not less than 4.0 oz./sq. yd.
 - 4. Corner-Reinforcing Mesh: Not less than 7.2 oz./sq. yd.
- F. Base Coat: EIFS manufacturer's standard mixture complying with one of the following:
- 1. Job-mixed formulation of portland cement complying with ASTM C150/C150M, Type I, white or natural color; and manufacturer's standard polymer-emulsion adhesive designed for use with portland cement.
 - 2. Job-combined formulation of manufacturer's standard polymer-emulsion adhesive and manufacturer's standard dry mix containing portland cement.
 - 3. Factory-blended dry formulation of portland cement, dry polymer admixture, and inert fillers to which only water is added at Project site.
 - 4. Factory-mixed noncementitious formulation of polymer-emulsion adhesive and inert fillers that is ready to use without adding other materials.
- G. Water-Resistant Base Coat: EIFS manufacturer's standard water-resistant formulation complying with one of the following:
- 1. Job-mixed formulation of portland cement complying with ASTM C150/C150M, Type I, white or natural color; and manufacturer's standard polymer-emulsion adhesive designed for use with portland cement.
 - 2. Job-combined formulation of manufacturer's standard polymer-emulsion adhesive and manufacturer's standard dry mix containing portland cement.
- H. Mechanical Fasteners: EIFS manufacturer's standard corrosion-resistant fasteners, consisting of thermal cap, standard washer and shaft attachments, and fastener indicated below; designed to resist Project's design loads; capable of pulling fastener head below surface of insulation board; and complying with the following:
- 1. For attachment to wood framing members and plywood sheathing, provide steel drill screws complying with ASTM C1002, Type W.
 - 2. For attachment to masonry and concrete substrates, provide sheathing dowel in form of a plastic wing-tipped fastener with thermal cap, sized to fit insulation thickness indicated and to penetrate substrate to depth required to secure anchorage.
- I. Primer: EIFS manufacturer's standard factory-mixed, elastomeric-polymer primer for preparing base-coat surface for application of finish coat.
- J. Finish Coat: EIFS manufacturer's standard acrylic-based coating with enhanced mildew resistance complying with the following:
- 1. Factory-mixed formulation of polymer-emulsion binder, colorfast mineral pigments, sound stone particles, and fillers.
 - 2. Colors: Refer to Appendix – Staybridge Suites Brand Design for color selections.
- K. Sealer: Manufacturer's waterproof, clear acrylic-based sealer for protecting finish coat.
- L. Water: Potable.

- M. Trim Accessories: Type as designated or required to suit conditions indicated and to comply with EIFS manufacturer's written instructions; manufactured from UV-stabilized PVC; and complying with ASTM D1784, manufacturer's standard cell class for use intended, and ASTM C1063.
1. Casing Bead: Prefabricated, one-piece type for attachment behind insulation, of depth required to suit thickness of coating and insulation, with face leg perforated for bonding to coating and back leg.
 2. Drip Screed/Track: Prefabricated, one-piece type for attachment behind insulation with face leg extended to form a drip, of depth required to suit thickness of coating and insulation, with face leg perforated for bonding to coating and back leg.
 3. Weep Screed/Track: Prefabricated, one-piece type for attachment behind insulation with perforated face leg extended to form a drip and weep holes in track bottom, of depth required to suit thickness of coating and insulation, with face leg perforated for bonding to coating and back leg; designed to drain incidental moisture that gets into wall construction to the exterior at terminations of EIFS with drainage.
 4. Expansion Joint: Closed-cell polyethylene backer rod and elastomeric sealant 3/4-inch- minimum.
 5. Windowsill Flashing: Prefabricated type for both flashing and sloping sill over framing beneath windows; with end and back dams; designed to direct water to exterior.
 6. Parapet Cap Flashing: Type for both flashing and covering parapet top, with design complying with ASTM C1397 and ANSI/SPRI/FM 4435/ES-1.

2.4 MIXING

- A. Comply with EIFS manufacturer's requirements for combining and mixing materials. Do not introduce admixtures, water, or other materials, except as recommended by EIFS manufacturer. Mix materials in clean containers. Use materials within time period specified by EIFS manufacturer or discard.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Protect contiguous work from moisture deterioration and soiling caused by application of EIFS. Provide temporary covering and other protection needed to prevent spattering of exterior finish coats on other work.
- B. Protect EIFS, substrates, and wall construction behind them from inclement weather during installation. Prevent penetration of moisture behind drainage plane of EIFS and deterioration of substrates.
- C. Prepare and clean substrates to comply with EIFS manufacturer's written instructions to obtain optimum bond between substrate and adhesive for insulation.

1. Concrete Substrates: Provide clean, dry, neutral-pH substrate for insulation installation. Verify suitability of substrate by performing bond and moisture tests recommended by EIFS manufacturer.

3.2 INSTALLATION OF EIFS, GENERAL

- A. Comply with ASTM C1397, ASTM E2511, and EIFS manufacturer's written instructions for installation of EIFS as applicable to each type of substrate indicated.

3.3 APPLICATION OF SUBSTRATE PROTECTION

- A. Water-Resistive Barrier Coating: Apply over sheathing to provide a water-resistive barrier.
 1. Tape and seal joints, exposed edges, terminations, and inside and outside corners of sheathing unless otherwise indicated by EIFS manufacturer's written instructions.
- B. Flexible-Membrane Flashing: Install over water-resistive barrier coating, applied and lapped to shed water; seal at openings, penetrations, and terminations. Prime substrates with flashing primer if required and install flashing.

3.4 INSTALLATION OF TRIM

- A. Trim: Apply trim accessories at perimeter of EIFS, at expansion joints, at windowsills, and elsewhere as indicated. Coordinate with installation of insulation.
 1. Weep Screed/Track: Use at bottom termination edges, at window and door heads, and at floor line expansion joints of water-drainage EIFS unless otherwise indicated.
 2. Windowsill Flashing: Use at windows unless otherwise indicated.
 3. Expansion Joint: Use where indicated on Drawings.
 4. Casing Bead: Use at other locations.
 5. Parapet Cap Flashing: Use where indicated on Drawings.

3.5 INSTALLATION OF INSULATION

- A. Board Insulation: Adhesively attach insulation to substrate in compliance with ASTM C1397 and the following:
 1. Apply adhesive to insulation by notched-trowel method, with notches oriented vertically to produce drainage channels that remain functional after the insulation is adhered to substrate.
 2. Press and slide insulation into place. Apply pressure over entire surface of insulation to accomplish uniform contact, high initial grab, and overall level surface.
 3. Allow adhered insulation to remain undisturbed for not less than 24 hours, before

- beginning rasping and sanding insulation or applying base coat and reinforcing mesh.
4. Apply insulation over substrates in courses with long edges of boards oriented horizontally.
 5. Begin first course of insulation from screed/track and work upward. Work from perimeter casing beads toward interior of panels if possible.
 6. Stagger vertical joints of insulation boards in successive courses to produce running bond pattern. Locate joints, so no piece of insulation is less than 12 inches wide or 6 inches high. Offset joints not less than 6 inches from corners of window and door openings and not less than 4 inches from aesthetic reveals.
 - a. Adhesive Attachment: Offset joints of insulation not less than 6 inches from horizontal and 4 inches from vertical joints in sheathing.
 - b. Mechanical Attachment: Offset joints of insulation from horizontal joints in sheathing.
 7. Interlock ends at internal and external corners.
 8. Abut insulation tightly at joints within and between each course to produce flush, continuously even surfaces without gaps or raised edges between boards. If gaps greater than 1/16 inch occur, fill with insulation cut to fit gaps exactly; insert insulation without using adhesive or other material.
 9. Cut insulation to fit openings, corners, and projections precisely and to produce edges and shapes complying with details indicated.
 10. Rasp or sand flush entire surface of insulation to remove irregularities projecting more than 1/16 inch from surface of insulation and to remove yellowed areas due to sun exposure; do not create depressions deeper than 1/16 inch. Prevent airborne dispersal and immediately collect insulation raspings or sandings.
 11. Cut aesthetic reveals in outside face of insulation with high-speed router and bit configured to produce grooves, rabbets, and other features that comply with profiles and locations indicated. Do not reduce insulation thickness at aesthetic reveals to less than 3/4 inch.
 12. Install foam buildouts and attach to structural substrate by adhesive.
 13. Interrupt insulation for expansion joints where indicated.
 14. Form joints for sealant application by leaving gaps between adjoining insulation edges and between insulation edges and dissimilar adjoining surfaces. Make gaps wide enough to produce joint widths indicated after encapsulating joint substrates with base coat and reinforcing mesh.
 15. Form joints for sealant application with back-to-back casing beads for joints within EIFS and with perimeter casing beads at dissimilar adjoining surfaces. Make gaps between casing beads and between perimeter casing beads and adjoining surfaces of width indicated.
 16. Before installing insulation and before applying field-applied reinforcing mesh, fully wrap board edges. Cover edges of board and extend encapsulating mesh not less than 2-1/2 inches over front and back face unless otherwise indicated on Drawings.
 17. Treat exposed edges of insulation as follows:
 - a. Except for edges forming substrates of sealant joints, encapsulate with base coat, reinforcing mesh, and finish coat.
 - b. Encapsulate edges forming substrates of sealant joints within EIFS or

- between EIFS and other work with base coat and reinforcing mesh.
 - c. At edges trimmed by accessories, extend base coat, reinforcing mesh, and finish coat over face leg of accessories.
18. Coordinate installation of flashing and insulation to produce wall assembly that does not allow water to penetrate behind flashing and water-resistive barrier coating.
- B. Expansion Joints: Install at locations indicated, where required by EIFS manufacturer, and as follows:
- 1. At expansion joints in substrates behind EIFS.
 - 2. Where EIFS adjoin dissimilar substrates, materials, and construction, including other EIFS.
 - 3. At floor lines in multilevel wood-framed construction.
 - 4. Where wall height or building shape changes.
 - 5. Where EIFS manufacturer requires joints in long continuous elevations.

3.6 APPLICATION OF BASE COAT

- A. Water-Resistant Base Coat: Apply full-thickness coverage to exposed insulation and to exposed surfaces of sloped shapes, window sills, foam build-outs and to other surfaces indicated on Drawings.
- B. Base Coat: Apply full coverage to exposed insulation and foam build-outs with not less than 1/16-inch dry-coat thickness.
- C. Reinforcing Mesh: Embed reinforcing mesh in wet base coat to produce wrinkle-free installation with mesh continuous at corners, overlapped not less than 2-1/2 inches or otherwise treated at joints to comply with ASTM C1397. Do not lap reinforcing mesh within 8 inches of corners. Completely embed mesh, applying additional base-coat material if necessary, so reinforcing-mesh color and pattern are invisible.
- D. Additional Reinforcing Mesh: Apply strip-reinforcing mesh around openings, extending 4 inches beyond perimeter. Apply additional 9-by-12-inch strip-reinforcing mesh diagonally at corners of openings (re-entrant corners). Apply 8-inch- wide, strip-reinforcing mesh at both inside and outside corners unless base layer of mesh is lapped not less than 4 inches on each side of corners.
 - 1. At aesthetic reveals, apply strip-reinforcing mesh not less than 8 inches wide.
 - 2. Embed strip-reinforcing mesh in base coat before applying first layer of reinforcing mesh.
- E. Foam Buildouts: Fully embed reinforcing mesh in base coat.

3.7 APPLICATION OF FINISH COAT

- A. Primer: Apply over dry base coat.

- B. Finish Coat: Apply full-thickness coverage over dry primed base coat, maintaining a wet edge at all times for uniform appearance, to produce a uniform finish of color and texture matching approved sample and free of cold joints, shadow lines, and texture variations.
- C. Sealer Coat: Apply over dry finish coat, in number of coats and thickness required by EIFS manufacturer.

3.8 FIELD QUALITY CONTROL

- A. Special Inspections: Owner will engage a qualified special inspector to perform the following special inspections:
 - 1. Water-resistive barrier coatings applied over sheathing.
- B. Testing Agency: Engage a qualified testing agency to perform tests and inspections.
- C. EIFS Tests and Inspections: In accordance with ASTM E2359/E2359M <Insert tests and inspections>.
- D. EIFS will be considered defective if it does not pass tests and inspections.
- E. Prepare test and inspection reports.

3.9 CLEANING AND PROTECTION

- A. Remove temporary covering and protection of other work. Promptly remove coating materials from window and door frames and other surfaces outside areas indicated to receive EIFS coatings.

END OF SECTION 072419

SECTION 072726 - FLUID-APPLIED MEMBRANE AIR BARRIERS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Medium-build air barriers, vapor permeable.

1.2 ACTION SUBMITTALS

- A. Product Data: Include manufacturer's written instructions for evaluating, preparing, and treating each substrate; technical data; dry film thickness; and tested physical and performance properties of products.
 - 1. Medium-build air barriers, vapor permeable.
- B. Shop Drawings: For air-barrier assemblies.
 - 1. Show locations and extent of air-barrier materials, accessories, and assemblies specific to Project conditions.
 - 2. Include details for substrate joints and cracks, counterflashing strips, penetrations, inside and outside corners, terminations, and tie-ins with adjoining construction.
 - 3. Include details of interfaces with other materials that form part of air barrier.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer. Include list of ABAA-certified installers and supervisors employed by Installer, who work on Project.
- B. Product Certificates: From air-barrier manufacturer, certifying compatibility of air barriers and accessory materials with Project materials that connect to or that come in contact with the barrier.
- C. Product Test Reports: For each air-barrier assembly, for tests performed by a qualified testing agency.
- D. Field quality-control reports.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

1. Installer to be licensed by ABAA in accordance with ABAA's Quality Assurance Program and to employ ABAA-certified installers and supervisors on Project.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Remove and replace liquid materials that cannot be applied within their stated shelf life.
- B. Protect stored materials from direct sunlight.

1.6 FIELD CONDITIONS

- A. Environmental Limitations: Apply air barrier within the range of ambient and substrate temperatures recommended in writing by air-barrier manufacturer.
 1. Protect substrates from environmental conditions that affect air-barrier performance.
 2. Do not apply air barrier to a damp or wet substrate or during snow, rain, fog, or mist.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain primary air-barrier materials and air-barrier accessories from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. Air-Barrier Performance: Air-barrier assembly and seals with adjacent construction to be capable of performing as a continuous air barrier and as a liquid-water drainage plane flashed to discharge to the exterior incidental condensation or water penetration. Air-barrier assemblies to be capable of accommodating substrate movement and of sealing substrate expansion and control joints, construction material changes, penetrations, and transitions at perimeter conditions without deterioration and air leakage exceeding specified limits.
- B. Air-Barrier Assembly Air Leakage: Maximum 0.04 cfm/sq. ft. of surface area at 1.57 lbf/sq. ft., when tested in accordance with ASTM E2357.
- C. Air Permeance: Maximum 0.004 cfm/sq. ft. of surface area at 1.57 lbf/sq. ft. pressure difference; ASTM E2178.
- D. Ultimate Elongation: Minimum 250 percent; ASTM D412, Die C.
- E. Adhesion to Substrate: Minimum 30 lbf/sq. in. when tested in accordance with ASTM

D4541.

- F. Fire Propagation Characteristics: Passes NFPA 285 testing as part of an approved assembly.
- G. UV Resistance: Can be exposed to sunlight for 90 days in accordance with manufacturer's written instructions.

2.3 MEDIUM-BUILD AIR BARRIERS, VAPOR PERMEABLE

- A. Medium-Build, Vapor-Permeable Air Barrier: Synthetic polymer material with an installed dry film thickness, according to manufacturer's written instructions, of 16 to 34 mils over smooth, void-free substrates.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. 3M Industrial Adhesives and Tapes Division
 - b. Carlisle Coatings & Waterproofing Inc
 - c. DuPont de Nemours, Inc.
 - d. Hohmann & Barnard, Inc
 - e. Sto Corp.
 - f. W. R. Meadows, Inc
 - 2. Vapor Permeance: Minimum 5 perms; ASTM E96/E96M, Procedure A, Desiccant Method.

2.4 ACCESSORY MATERIALS

- A. Provide primers, transition strips, termination strips, joint reinforcing fabric and strips, joint sealants, counterflashing strips, flashing sheets and metal termination bars, termination mastic, substrate patching materials, adhesives, tapes, foam sealants, lap sealants, and other accessory materials that are recommended in writing by air-barrier manufacturer to produce a complete air-barrier assembly and that are compatible with primary air-barrier material and adjacent construction to which they may seal.
- B. Primer: Liquid waterborne primer recommended for substrate by air-barrier material manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and other conditions affecting performance of the Work.
 - 1. Verify that substrates are sound and free of oil, grease, dirt, excess mortar, or

- other contaminants.
 - 2. Verify that substrates have cured and aged for minimum time recommended in writing by air-barrier manufacturer.
 - 3. Verify that substrates are visibly dry and free of moisture.
 - 4. Verify that masonry joints are flush and completely filled with mortar.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 SURFACE PREPARATION

- A. Clean, prepare, treat, fill, and seal substrate and joints and cracks in substrate in accordance with manufacturer's written instructions and details. Provide clean, dust-free, and dry substrate for air-barrier application.
- B. Mask off adjoining surfaces not covered by air barrier to prevent spillage and overspray affecting other construction.
- C. Remove grease, oil, bitumen, form-release agents, paints, curing compounds, and other penetrating contaminants or film-forming coatings from concrete.
- D. Remove fins, ridges, mortar, and other projections and fill honeycomb, aggregate pockets, holes, and other voids in concrete with substrate-patching material.
- E. Remove excess mortar from masonry ties, shelf angles, and other obstructions.
- F. At changes in substrate plane, apply sealant or termination mastic beads at sharp corners and edges to form a smooth transition from one plane to another.
- G. Cover gaps in substrate plane and form a smooth transition from one substrate plane to another with stainless steel sheet mechanically fastened to structural framing to provide continuous support for air barrier.
- H. Bridge expansion joints, and discontinuous wall-to-wall, deck-to-wall, and deck-to-deck joints with air-barrier accessory material that accommodates joint movement in accordance with manufacturer's written instructions and details.

3.3 INSTALLATION OF ACCESSORIES

- A. Install accessory materials in accordance with air-barrier manufacturer's written instructions and details to form a seal with adjacent construction and ensure continuity of air and water barrier.
 - 1. Coordinate the installation of air barrier with installation of roofing membrane and base flashing to ensure continuity of air barrier with roofing membrane.
 - 2. Install transition strip on roofing membrane or base flashing so that a minimum of 3 inches of coverage is achieved over each substrate.
 - 3. Unless manufacturer recommends in writing against priming, apply primer to substrates at required rate and allow it to dry.
 - 4. Apply primer to substrates at required rate and allow it to dry. Limit priming to

areas that will be covered by air-barrier material on same day. Reprime areas exposed for more than 24 hours.

- B. Connect and seal exterior wall air-barrier material continuously to roofing-membrane air barrier, concrete below-grade structures, floor-to-floor construction, exterior glazing and window systems, glazed curtain-wall systems, storefront systems, exterior louvers, exterior door framing, and other construction used in exterior wall openings, using accessory materials.
- C. At end of each working day, seal top edge of strips and transition strips to substrate with termination mastic.
- D. Apply joint sealants forming part of air-barrier assembly within manufacturer's recommended application temperature ranges. Consult manufacturer when sealant cannot be applied within these temperature ranges.
- E. Wall Openings: Prime concealed, perimeter frame surfaces of windows, curtain walls, storefronts, and doors. Apply transition strip so that a minimum of 3 inches of coverage is achieved over each substrate. Maintain 3 inches of full contact over firm bearing to perimeter frames, with not less than 1 inch of full contact.
 - 1. Transition Strip: Roll firmly to enhance adhesion.
- F. Fill gaps in perimeter frame surfaces of windows, curtain walls, storefronts, and doors, and miscellaneous penetrations of air-barrier material with foam sealant.
- G. Seal strips and transition strips around masonry reinforcing or ties and penetrations with termination mastic.
- H. Seal top of through-wall flashings to air barrier with an additional 6-inch- wide, transition strip.
- I. Seal exposed edges of strips at seams, cuts, penetrations, and terminations not concealed by metal counterflashings or ending in reglets with termination mastic.
- J. Repair punctures, voids, and deficient lapped seams in strips and transition strips. Slit and flatten fishmouths and blisters. Patch with transition strips extending 6 inches beyond repaired areas in strip direction.

3.4 INSTALLATION OF PRIMARY AIR-BARRIER MATERIAL

- A. Apply air-barrier material to form a seal with strips and transition strips and to achieve a continuous air barrier in accordance with air-barrier manufacturer's written instructions and details. Apply air-barrier material within manufacturer's recommended application temperature ranges.
 - 1. Unless manufacturer recommends in writing against priming, apply primer to substrates at required rate and allow it to dry.
 - 2. Limit priming to areas that will be covered by air-barrier material on same day. Reprime areas exposed for more than 24 hours.

3. Where multiple prime coats are needed to achieve required bond, allow adequate drying time between coats.
- B. Medium-Build Air Barriers: Apply continuous unbroken air-barrier material to substrates according to the following thickness. Apply an increased thickness of air-barrier material in full contact around protrusions such as masonry ties.
 1. Vapor-Permeable, Medium-Build Air Barrier: Total dry film thickness as recommended in writing by manufacturer to comply with performance requirements, applied in one or more equal coats. Apply additional material as needed to achieve void- and pinhole-free surface, but do not exceed thickness on which required vapor permeability is based.
- C. Do not cover air barrier until it has been tested and inspected by testing agency.
- D. Correct deficiencies in or remove air barrier that does not comply with requirements; repair substrates and reapply air-barrier components.

3.5 FIELD QUALITY CONTROL

- A. ABAA Quality Assurance Program: Perform examinations, preparation, installation, testing, and inspections under ABAA's Quality Assurance Program.
- B. Testing Agency: Engage a qualified testing agency to perform tests and inspections.
- C. Inspections: Air-barrier materials, accessories, and installation are subject to inspection for compliance with requirements.
- D. Tests: As determined by testing agency from among the following tests:
 1. Air-Leakage-Location Testing: Air-barrier assemblies will be tested for evidence of air leakage in accordance with ASTM E1186, chamber pressurization or depressurization with smoke tracers.
 2. Air-Leakage-Volume Testing: Air-barrier assemblies will be tested for air-leakage rate in accordance with ASTM E783, ASTM E2357.
 3. Adhesion Testing: Air-barrier assemblies will be tested for required adhesion to substrate in accordance with ASTM D4541 for each 600 sq. ft. of installed air barrier or part thereof.
- E. Air barriers will be considered defective if they do not pass tests and inspections.
 1. Apply additional air-barrier material, in accordance with manufacturer's written instructions, where inspection results indicate insufficient thickness.
 2. Remove and replace deficient air-barrier components for retesting as specified above.
- F. Repair damage to air barriers caused by testing; follow manufacturer's written instructions.
- G. Prepare test and inspection reports.

3.6 CLEANING AND PROTECTION

- A. Protect air-barrier system from damage during application and remainder of construction period, in accordance with manufacturer's written instructions.
 - 1. Protect air barrier from exposure to UV light and harmful weather exposure as recommended in writing by manufacturer. If exposed to these conditions for longer than recommended, remove and replace air barrier or install additional, full-thickness, air-barrier application after repairing and preparing the overexposed materials in accordance with air-barrier manufacturer's written instructions.
 - 2. Protect air barrier from contact with incompatible materials and sealants not approved by air-barrier manufacturer.
- B. Clean spills, stains, and soiling from construction that would be exposed in the completed work using cleaning agents and procedures recommended in writing by manufacturer of affected construction.
- C. Remove masking materials after installation.

END OF SECTION 072726

SECTION 074213.23 - METAL COMPOSITE MATERIAL WALL PANELS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Metal composite material (MCM) panels.
 - 2. Metal composite material (MCM) system.

1.2 ACTION SUBMITTALS

- A. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of panel, system, and accessory.
 - 1. Metal composite material (MCM) panels.
 - 2. Metal composite material (MCM) system.
- B. Shop Drawings:
 - 1. Include fabrication and installation layouts of MCM system; details of edge conditions, joints, panel profiles, corners, anchorages, attachment assembly, trim, flashings, closures, accessories, and special details.
 - 2. Accessories: Include details of flashing, trim, and anchorage, at a scale of not less than 1-1/2 inches per 12 inches.
 - 3. Provide signed and sealed drawings, by a qualified design professional in Project jurisdiction, of MCM system showing compliance with performance requirements and design criteria identified for this Project.
- C. Samples for Initial Selection: For each type of MCM panel indicated, with factory-applied color finishes.
 - 1. Size: Manufacturers' standard size.
 - 2. Include Samples of trim and accessories involving color selection.
- D. Delegated Design Submittals: For MCM system, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.3 INFORMATIONAL SUBMITTALS

- A. Test and Evaluation Reports:
 - 1. Product Test Reports: For each MCM system, for tests performed by qualified testing agency.

- a. MCM Panel Manufacturer's Material Test Reports: Certified test reports showing compliance with specific performance or third-party listing documenting compliance in accordance with the IBC.
 - b. Fabricator's MCM System Test Reports: Certified test reports showing system compliance with specific performance or third-party listing documenting compliance in accordance with the IBC.
- B. Field Quality-Control Submittals:
 - 1. Field quality-control reports.
- C. Qualification Statements: For manufacturer.
- D. Delegated design engineer qualifications.
- E. Sample warranties.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 5 years' experience.
- B. Installer Qualifications: Entity that employs installers and supervisors who are trained and approved by MCM system manufacturer.
- C. Delegated Design Engineer Qualifications: A professional engineer who is legally qualified to practice in state where Project is located and who is experienced in providing engineering services of the type indicated.
- D. Testing Agency Qualifications: An agency acceptable to authorities having jurisdiction.

1.5 MOCKUPS

- A. Build mockups to set quality standards for fabrication and installation.
 - 1. Build mockup as indicated on Drawings, including corner, supports, attachments, and accessories. Panel sample need not be provided in the specified color.
 - 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Owner specifically approves such deviations by Change Order.
 - 3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver components, MCM panels, and other manufactured items so as not to be damaged or deformed. Package MCM panels for protection during transportation and handling.

- B. Unload, store, and erect MCM panels in a manner to prevent bending, warping, twisting, and surface damage.
- C. Stack MCM panels horizontally on platforms or pallets, covered with suitable weathertight and ventilated covering. Store MCM panels to ensure dryness, with positive slope for drainage of water. Do not store MCM panels in contact with other materials that might cause staining, denting, or other surface damage.
- D. Retain strippable protective covering on MCM panels during installation.

1.7 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit assembly of MCM panels to be performed in accordance with manufacturers' written instructions and warranty requirements.

1.8 COORDINATION

- A. Coordinate MCM panel installation with rain drainage work, flashing, trim, construction of soffits, and other adjoining work to provide a leakproof, secure, and noncorrosive installation.

1.9 WARRANTY

- A. Panel Integrity Warranty: Manufacturer agrees to repair or replace components of MCM panels that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures including rupturing, cracking, or puncturing.
 - b. Deterioration of metals and other materials beyond normal weathering.
 - 2. Warranty Period: Five years from date of Substantial Completion.
- B. Panel Finish Warranty: Manufacturer agrees to repair finish or replace MCM panels that show evidence of deterioration of factory-applied finishes within specified warranty period.
 - 1. Exposed Panel Finish: Deterioration includes, but is not limited to, the following:
 - a. Color fading more than 5 Hunter units when tested in accordance with ASTM D2244.
 - b. Chalking in excess of a No. 8 rating when tested in accordance with ASTM D4214.
 - c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.
 - 2. Finish Warranty Period: 20 years from date of Substantial Completion.

- C. MCM System Warranty: Fabricator's standard form in which manufacturer agrees to repair or replace components of MCM systems that fail in materials or workmanship within specified warranty period.

1. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 METAL COMPOSITE MATERIAL (MCM) WALL PANELS

- A. Metal Composite Material (MCM) Wall Panels: Provide MCM panels fabricated from two metal facings bonded to a solid, extruded thermoplastic core.
1. Manufacturers: Subject to compliance with requirements, provide products by the following:
- a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- B. MCM Panel Materials:
1. Aluminum-Faced Panels: ASTM B209/B209M alloy as standard with manufacturer, temper as required to suit finish and forming operations with 0.032-inch- thick, aluminum sheet facings.
- a. Refer to Appendix – Staybridge Suites Brand Design specifications for color selections.

2.2 ACCESSORIES

- A. Metal Subframing and Furring: ASTM C955 cold-formed, metallic-coated steel sheet ASTM A653/A653M, G90 hot-dip galvanized coating designation or ASTM A792/A792M, Class AZ50 aluminum-zinc-alloy coating designation unless otherwise indicated. Provide manufacturer's standard sections as required for support and alignment of MCM system.
- B. System Accessories: Provide components required for a complete, weathertight wall system including trim, copings, fasciae, mullions, sills, corner units, clips, flashings, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of MCM panels unless otherwise indicated.
- C. Flashing and Trim: Provide flashing and trim formed from same material as MCM panels as required to seal against weather and to provide finished appearance. Locations include, but are not limited to, bases, drips, sills, jambs, corners, endwalls, framed openings, rakes, fasciae, soffits, reveals, and fillers. Finish flashing and trim with same finish system as adjacent MCM panels.
- D. Panel Fasteners: Self-tapping screws designed to withstand design loads. Use

gasketed or approved coated fasteners between dissimilar metals.

1. Aluminum Panels: Use aluminum or stainless steel fasteners for surfaces exposed to the exterior; use aluminum or galvanized-steel fasteners for surfaces exposed to the interior.
 2. Provide exposed fasteners with heads matching color of MCM panels by means of plastic caps or factory-applied coating. Provide EPDM or PVC sealing washers for exposed fasteners.
- E. Panel Sealants: ASTM C920; elastomeric polyurethane or silicone sealant; of type, grade, class, and use classifications required to seal joints in MCM panels and remain weathertight; and as recommended in writing by MCM system manufacturer.

2.3 FABRICATION

- A. Fabricate and finish MCM panels at the factory, by panel manufacturer's standard procedures and processes, as necessary to fulfill indicated panel performance requirements demonstrated by laboratory testing.
- B. Shop-fabricate MCM systems and accessories by fabricator's standard procedures and processes, as necessary to fulfill indicated performance requirements demonstrated by laboratory testing. Comply with requirements of MCM panel manufacturer, of indicated system profiles, and with dimensional and structural requirements.
1. Fabricate panels to dimensions indicated on Drawings based on an assumed design temperature of 70 deg F. Allow for ambient temperature range at time of fabrication.
 2. Formed MCM panel lines, breaks, and angles to be sharp and straight, with surfaces free from warp or buckle.
 3. Fabricate panels with sharply cut edges and no displacement of face sheet or protrusion of core.
 4. Fabricated Panel Tolerances: Shop-fabricate panels to sizes and joint configurations indicated on Drawings.
 - a. Width: Plus or minus 0.079 inch at 70 deg F.
 - b. Length: Plus or minus 0.079 inch at 70 deg F.
 - c. Squareness: Plus or minus 0.079 inch at 70 deg F.
 5. Fabricate MCM panel joints with factory-installed captive gaskets or separator strips that provide a weathertight seal and prevent metal-to-metal contact, and that minimize noise from movements.
- C. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's written instructions and recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item indicated.
1. Form exposed sheet metal accessories that are without excessive oil-canning, buckling, and tool marks and that are true to line and levels indicated, with

- exposed edges folded back to form hems.
2. Seams for Aluminum: Fabricate nonmoving seams with flat-lock seams. Form seams and seal with epoxy seam sealer. Rivet joints for additional strength.
 3. Sealed Joints: Form non-expansion, but movable, joints in metal to accommodate sealant and to comply with SMACNA standards.
 4. Conceal fasteners and expansion provisions where possible. Exposed fasteners are not allowed on faces of accessories exposed to view.
 5. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal recommended in writing by metal manufacturer.
 - a. Size: As recommended by SMACNA's "Architectural Sheet Metal Manual" or metal manufacturer for application, but not less than thickness of metal being secured.

2.4 FINISHES

- A. Protect mechanical and painted finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Noticeable variations in same piece are unacceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
- C. Refer to Appendix – Staybridge Suites Brand Design specifications for color selections.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, MCM system supports, and other conditions affecting performance of the Work.
 1. Examine wall framing to verify that girts, angles, channels, studs, and other structural panel support members and anchorage have been installed within alignment tolerances required by MCM system manufacturer.
 2. Examine wall sheathing to verify that sheathing joints are supported by framing or blocking and that installation is within flatness tolerances required by MCM system manufacturer.
 - a. Verify that air- or water-resistive barriers have been installed over sheathing or backing substrate to prevent air infiltration or water penetration.
- B. Examine roughing-in for components and assemblies penetrating MCM system to verify actual locations of penetrations relative to seam locations of MCM panels before

installation.

- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION OF MCM SYSTEM

- A. General: Install MCM system in accordance with system manufacturer's written instructions in orientation, sizes, and locations indicated on Drawings. Install panels perpendicular to supports unless otherwise indicated. Anchor MCM system securely in place, with provisions for thermal and structural movement.
 - 1. Shim or otherwise plumb substrates receiving MCM system.
 - 2. Flash and seal MCM system at perimeter of all openings. Fasten with self-tapping screws.
 - 3. Install screw fasteners in predrilled holes.
 - 4. Locate and space fastenings in uniform vertical and horizontal alignment.
 - 5. Install flashing and trim as MCM system work proceeds.
 - 6. Align bottoms of MCM panels and fasten with blind rivets, bolts, or self-tapping screws. Fasten flashings and trim around openings and similar elements with self-tapping screws.
 - 7. Provide weathertight escutcheons for all items penetrating system.
 - 8. Where dissimilar metals contact each other or corrosive substrates, protect against galvanic action as recommended in writing by MCM system manufacturer.
 - 9. Attach MCM panels to supports at locations, spacings, and with fasteners recommended by manufacturer to meet listed performance requirements.
- B. Attachment Assembly, General: Install attachment assembly required to support MCM panels and to provide a complete weathertight wall system, including tracks, drainage channels, anchor channels, perimeter extrusions, and panel clips.
 - 1. Install subframing, furring, and other panel support members and anchorages in accordance with ASTM C955.
 - 2. Install support system at locations, at spacings, and with fasteners recommended by MCM system manufacturer to meet listed performance requirements.
- C. Install panels to allow individual panels to "free float" and be installed and removed without disturbing adjacent panels.
- D. Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components.
 - 1. Install accessory components required for a complete MCM system assembly including trim, copings, corners, seam covers, flashings, sealants, fillers, closure strips, and similar items. Provide types indicated by MCM system manufacturer.
- E. Flashing and Trim: Comply with performance requirements, manufacturer's written installation instructions, and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and set units true to line and level as indicated.

Install work with laps, joints, and seams that are permanently watertight.

1. Install exposed flashing and trim that is without buckling and tool marks and that is true to line and levels indicated, with exposed edges folded back to form hems. Install trim to fit substrates and to result in waterproof performance.
2. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim. Space movement joints at a maximum of 10 ft. with no joints allowed within 24 inches of corner or intersection. Where lapped expansion provisions cannot be used or would not be sufficiently waterproof, form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with mastic sealant (concealed within joints).

3.3 INSTALLATION TOLERANCES

- A. Shim and align MCM panels within installed tolerance of 1/4 inch in 20 ft., non-accumulative, on level, plumb, and location lines as indicated, and within 1/8-inch offset of adjoining faces and of alignment of matching profiles.

3.4 FIELD QUALITY CONTROL

- A. Testing Agency: Engage a qualified testing agency to perform tests and inspections.
- B. Water-Spray Test: After installation, test area of assembly as directed by Architect for water penetration in accordance with AAMA 501.2.
- C. Manufacturer's Field Service: Engage a factory-authorized service representative to test and inspect completed MCM system installation, including accessories.
- D. MCM system will be considered defective if it does not pass test and inspections.
- E. Additional tests and inspections, at Contractor's expense, are performed to determine compliance of replaced or additional work with specified requirements.
- F. Prepare test and inspection reports.

3.5 CLEANING

- A. Remove temporary protective coverings and strippable films as MCM panels are installed unless otherwise indicated in manufacturer's written installation instructions. On completion of installation, clean finished surfaces as recommended by MCM panel manufacturer. Maintain in a clean condition during construction.
- B. After installation, clear weep holes and drainage channels of obstructions, dirt, and sealant.

3.6 PROTECTION

- A. Replace MCM panels that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION 074213.23

SECTION 074293 - SOFFIT PANELS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Metal soffit panels.

1.2 ACTION SUBMITTALS

- A. Product Data:
 - 1. Metal soffit panels.
- B. Product Data Submittals:
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of panel and accessory.
- C. Shop Drawings:
 - 1. Include fabrication and installation layouts of metal panels; details of edge conditions, joints, panel profiles, corners, anchorages, attachment system, trim, flashings, closures, and accessories; and special details.
 - 2. Accessories: Include details of flashing, trim, and anchorage systems, at a scale of not less than 1-1/2 inches per 12 inches.
- D. Samples for Initial Selection: For each type of metal panel indicated with factory-applied color finishes.
 - 1. Include similar Samples of trim and accessories involving color selection.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Product Test Reports: For each product, tests performed by a qualified testing agency.
- C. Sample Warranties: For special warranties.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are

trained and approved by manufacturer.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver components, metal panels, and other manufactured items so as not to be damaged or deformed. Package metal panels for protection during transportation and handling.
- B. Unload, store, and erect metal panels in a manner to prevent bending, warping, twisting, and surface damage.
- C. Stack metal panels horizontally on platforms or pallets, covered with suitable weathertight and ventilated covering. Store metal panels to ensure dryness, with positive slope for drainage of water. Do not store metal panels in contact with other materials that might cause staining, denting, or other surface damage.
- D. Retain strippable protective covering on metal panels during installation.

1.6 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit assembly of metal panels to be performed according to manufacturers' written instructions and warranty requirements.

1.7 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of metal panel systems that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures including rupturing, cracking, or puncturing.
 - b. Deterioration of metals and other materials beyond normal weathering.
 - 2. Warranty Period: Two years from date of Substantial Completion.
- B. Special Warranty on Panel Finishes: Manufacturer's standard form in which manufacturer agrees to repair finish or replace metal panels that show evidence of deterioration of factory-applied finishes within specified warranty period.
 - 1. Exposed Panel Finish: Deterioration includes, but is not limited to, the following:
 - a. Color fading more than 5 Delta E units when tested according to ASTM D2244.
 - b. Chalking in excess of a No. 8 rating when tested according to ASTM D4214.
 - c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.

2. Finish Warranty Period: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Provide metal panel systems capable of withstanding the effects of the following loads, based on testing according to ASTM E1592:
 1. Wind Loads: As indicated on Drawings.
 2. Other Design Loads: As indicated on Drawings.
 3. Deflection Limits: For wind loads, no greater than 1/240 of the span.
- B. Air Infiltration: Air leakage of not more than 0.06 cfm/sq. ft. when tested according to ASTM E283 at the following test-pressure difference:
 1. Test-Pressure Difference: 6.24 lbf/sq. ft.
- C. Water Penetration under Static Pressure: No water penetration when tested according to ASTM E331 at the following test-pressure difference:
 1. Test-Pressure Difference: 6.24 lbf/sq. ft.
- D. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
 1. Temperature Change (Range): 120 deg F, ambient; 180 deg F, material surfaces.

2.2 METAL SOFFIT PANELS

- A. Provide metal soffit panels designed to be installed by lapping and interconnecting side edges of adjacent panels and mechanically attaching through panel to supports using concealed fasteners in side laps. Include accessories required for weathertight installation.
- B. Flush-Profile Metal Soffit Panels: Solid panels formed with vertical panel edges and a flat pan between panel edges; with flush joint between panels.
 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. AEP Span a brand of ASC Profiles LLC, a part of BlueScope
 - b. Berridge Manufacturing Company
 - c. MBCI; Cornerstone Building Brands

- d. PAC-CLAD; Petersen Aluminum Corporation; a Carlisle company
- 2. Aluminum Sheet: Coil-coated sheet, ASTM B209, alloy as standard with manufacturer, with temper as required to suit forming operations and structural performance required.
 - a. Thickness: 0.032 inch.
 - b. Surface: Smooth, flat finish.
 - c. Exterior Finish: Three-coat fluoropolymer.
 - d. Color: As selected by Architect from manufacturer's full range.
- 3. Panel Coverage: 12 inches.
- 4. Panel Height: 1.0 inch.

2.3 MISCELLANEOUS MATERIALS

- A. Miscellaneous Metal Subframing and Furring: ASTM C645, cold-formed, metallic-coated steel sheet, ASTM A653/A653M, G90 hot-dip galvanized coating designation or ASTM A792/A792M, Class AZ50 aluminum-zinc-alloy coating designation unless otherwise indicated. Provide manufacturer's standard sections as required for support and alignment of metal panel system.
- B. Panel Accessories: Provide components required for a complete, weathertight panel system including trim, clips, flashings, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of metal panels unless otherwise indicated.
 - 1. Closure Strips: Closed-cell, expanded, cellular, rubber or crosslinked, polyolefin-foam or closed-cell laminated polyethylene; minimum 1-inch- thick, flexible closure strips; cut or premolded to match metal panel profile. Provide closure strips where indicated or necessary to ensure weathertight construction.
- C. Flashing and Trim: Provide flashing and trim formed from same material as metal panels as required to seal against weather and to provide finished appearance. Finish flashing and trim with same finish system as adjacent metal panels.
- D. Panel Fasteners: Self-tapping screws designed to withstand design loads. Provide exposed fasteners with heads matching color of metal panels by means of plastic caps or factory-applied coating. Provide EPDM or PVC sealing washers for exposed fasteners.
- E. Panel Sealants: Provide sealant types recommended by manufacturer that are compatible with panel materials, are nonstaining, and do not damage panel finish.
 - 1. Sealant Tape: Pressure-sensitive, 100 percent solids, gray polyisobutylene compound sealant tape with release-paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape 1/2 inch wide and 1/8 inch thick.
 - 2. Joint Sealant: ASTM C920; elastomeric polyurethane or silicone sealant; of type, grade, class, and use classifications required to seal joints in metal panels and remain weathertight; and as recommended in writing by metal panel manufacturer.

3. Butyl-Rubber-Based, Solvent-Release Sealant: ASTM C1311.

2.4 FABRICATION

- A. Fabricate and finish metal panels and accessories at the factory, by manufacturer's standard procedures and processes, as necessary to fulfill indicated performance requirements demonstrated by laboratory testing. Comply with indicated profiles and with dimensional and structural requirements.
- B. Provide panel profile, including major ribs and intermediate stiffening ribs, if any, for full length of panel.
- C. Fabricate metal panel joints with factory-installed captive gaskets or separator strips that provide a weathertight seal and prevent metal-to-metal contact, and that minimize noise from movements.
- D. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's recommendations and recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item indicated.
 - 1. Form exposed sheet metal accessories that are without excessive oil canning, buckling, and tool marks and that are true to line and levels indicated, with exposed edges folded back to form hems.
 - 2. Seams for Aluminum: Fabricate nonmoving seams with flat-lock seams. Form seams and seal with epoxy seam sealer. Rivet joints for additional strength.
 - 3. Sealed Joints: Form nonexpansion, but movable, joints in metal to accommodate sealant and to comply with SMACNA standards.
 - 4. Conceal fasteners and expansion provisions where possible. Exposed fasteners are not allowed on faces of accessories exposed to view.
 - 5. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal recommended in writing by metal panel manufacturer.
 - a. Size: As recommended by SMACNA's "Architectural Sheet Metal Manual" or metal soffit panel manufacturer for application but not less than thickness of metal being secured.

2.5 FINISHES

- A. Protect mechanical and painted finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

C. Aluminum Panels and Accessories:

1. Three-Coat Fluoropolymer: AAMA 2605. Fluoropolymer finish containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in both color coat and clear topcoat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, metal panel supports, and other conditions affecting performance of the Work.
 1. Examine framing to verify that girts, angles, channels, studs, and other structural panel support members and anchorage have been installed within alignment tolerances required by metal panel manufacturer.
 2. Examine sheathing to verify that sheathing joints are supported by framing or blocking and that installation is within flatness tolerances required by metal panel manufacturer.
 - a. Verify that air- or water-resistive barriers been installed over sheathing or backing substrate to prevent air infiltration or water penetration.
- B. Examine roughing-in for components and systems penetrating metal panels to verify actual locations of penetrations relative to seam locations of metal panels before installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Miscellaneous Supports: Install subframing, furring, and other miscellaneous panel support members and anchorages according to ASTM C754 and metal panel manufacturer's written recommendations.
 1. Soffit Framing: Wire tie or clip furring channels to supports, as required to comply with requirements for assemblies indicated.

3.3 INSTALLATION OF METAL SOFFIT PANELS

- A. Install metal panels according to manufacturer's written instructions in orientation, sizes, and locations indicated. Install panels perpendicular to supports unless otherwise indicated. Anchor metal panels and other components of the Work securely in place, with provisions for thermal and structural movement.

1. Shim or otherwise plumb substrates receiving metal panels.
 2. Flash and seal metal panels at perimeter of all openings. Fasten with self-tapping screws. Do not begin installation until air- or water-resistive barriers and flashings that will be concealed by metal panels are installed.
 3. Install screw fasteners in predrilled holes.
 4. Locate and space fastenings in uniform vertical and horizontal alignment.
 5. Install flashing and trim as metal panel work proceeds.
 6. Locate panel splices over, but not attached to, structural supports. Stagger panel splices and end laps to avoid a four-panel lap splice condition.
 7. Provide weathertight escutcheons for pipe- and conduit-penetrating panels.
- B. Fasteners:
1. Aluminum Panels: Use aluminum or stainless steel fasteners for surfaces exposed to the exterior; use aluminum or galvanized-steel fasteners for surfaces exposed to the interior.
- C. Metal Protection: Where dissimilar metals contact each other or corrosive substrates, protect against galvanic action as recommended in writing by metal panel manufacturer.
- D. Lap-Seam Metal Panels: Fasten metal panels to supports with fasteners at each lapped joint at location and spacing recommended by manufacturer.
1. Apply panels and associated items true to line for neat and weathertight enclosure.
 2. Provide metal-backed washers under heads of exposed fasteners bearing on weather side of metal panels.
 3. Locate and space exposed fasteners in uniform vertical and horizontal alignment. Use proper tools to obtain controlled uniform compression for positive seal without rupture of washer.
 4. Install screw fasteners with power tools having controlled torque adjusted to compress washer tightly without damage to washer, screw threads, or panels. Install screws in predrilled holes.
- E. Watertight Installation:
1. Apply a continuous ribbon of sealant or tape to seal lapped joints of metal panels, using sealant or tape as recommend by manufacturer on side laps of nesting-type panels and elsewhere as needed to make panels watertight.
 2. Provide sealant or tape between panels and protruding equipment, vents, and accessories.
 3. At panel splices, nest panels with minimum 6-inch end lap, sealed with sealant and fastened together by interlocking clamping plates.
- F. Accessory Installation: Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components.
1. Install components required for a complete metal panel system including trim,

corners, seam covers, flashings, sealants, gaskets, fillers, closure strips, and similar items. Provide types indicated by metal panel manufacturer; or, if not indicated, provide types recommended by metal panel manufacturer.

- G. Flashing and Trim: Comply with performance requirements, manufacturer's written installation instructions, and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and set units true to line and level as indicated. Install work with laps, joints, and seams that are permanently watertight.
1. Install exposed flashing and trim that is without buckling, and tool marks, and that is true to line and levels indicated, with exposed edges folded back to form hems. Install sheet metal flashing and trim to fit substrates and to achieve waterproof performance.
 2. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim. Space movement joints at a maximum of 10 feet with no joints allowed within 24 inches of corner or intersection. Where lapped expansion provisions cannot be used or would not be waterproof, form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with mastic sealant (concealed within joints).

3.4 CLEANING AND PROTECTION

- A. Remove temporary protective coverings and strippable films, if any, as metal panels are installed unless otherwise indicated in manufacturer's written installation instructions. On completion of metal panel installation, clean finished surfaces as recommended by metal panel manufacturer. Maintain in a clean condition during construction.
- B. After metal panel installation, clear weep holes and drainage channels of obstructions, dirt, and sealant.
- C. Replace metal panels that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION 074293

SECTION 075423 - THERMOPLASTIC-POLYOLEFIN (TPO) ROOFING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Thermoplastic polyolefin (TPO) roofing system.
2. Accessory roofing materials.
3. Roof insulation.
4. Insulation accessories and cover board.

1.2 ACTION SUBMITTALS

A. Product Data:

1. Thermoplastic polyolefin (TPO) roofing system.
2. Accessory roofing materials.
3. Substrate board.
4. Vapor retarder.
5. Roof insulation.
6. Insulation accessories and cover board.
7. Walkways.
8. For insulation and roof system component fasteners, include copy of SPRI's Directory of Roof Assemblies listing.

B. Shop Drawings: Include roof plans, sections, details, and attachments to other work, including the following:

1. Layout and thickness of insulation.
2. Base flashings and membrane termination details.
3. Flashing details at penetrations.
4. Tapered insulation layout, thickness, and slopes.
5. Roof plan showing orientation of steel roof deck and orientation of roof membrane, fastening spacings, and patterns for mechanically fastened roofing system.
6. Insulation fastening patterns for corner, perimeter, and field-of-roof locations.
7. Tie-in with adjoining air barrier.

C. Samples for Verification: For the following products:

1. Roof membrane and flashings, of color required.
2. Walkway pads or rolls, of color required.

D. Wind Uplift Resistance Submittal: For roofing system, indicating compliance with wind uplift performance requirements.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Manufacturer Certificates:
 - 1. Performance Requirement Certificate: Signed by roof membrane manufacturer, certifying that roofing system complies with requirements specified in "Performance Requirements" Article.
 - a. Submit evidence of compliance with performance requirements.
 - 2. Special Warranty Certificate: Signed by roof membrane manufacturer, certifying that all materials supplied under this Section are acceptable for special warranty.
- C. Product Test Reports: For roof membrane and insulation, for tests performed by a qualified testing agency, indicating compliance with specified requirements.
- D. Evaluation Reports: For components of roofing system, from ICC-ES.
- E. Field quality-control reports.
- F. Sample Warranties: For manufacturer's special warranties.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A qualified manufacturer that is listed in SPRI's Directory of Roof Assemblies for roofing system identical to that used for this Project.
- B. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by roofing system manufacturer to install manufacturer's product and that is eligible to receive manufacturer's special warranty.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with manufacturer's name, product brand name and type, date of manufacture, approval or listing agency markings, and directions for storing and mixing with other components.
- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by roofing system manufacturer. Protect stored liquid material from direct sunlight.
 - 1. Discard and legally dispose of liquid material that cannot be applied within its stated shelf life.
- C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling, and other sources. Store in a dry location. Comply with

insulation manufacturer's written instructions for handling, storing, and protecting during installation.

- D. Handle and store roofing materials, and place equipment in a manner to avoid permanent deflection of deck.

1.6 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's written instructions and warranty requirements.

1.7 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of roofing system that fail in materials or workmanship within specified warranty period.
 - 1. Special warranty includes roof membrane, base flashings, roof insulation,, fasteners,, cover boards,, vapor retarder, and other components of roofing system.
 - 2. Warranty Period: 20 years from date of Substantial Completion.
- B. Special Project Warranty: Submit roofing Installer's warranty, on warranty form at end of this Section, signed by Installer, covering the Work of this Section, including all components of roofing system such as roof membrane, base flashing, roof insulation,, fasteners,vapor retarders, and walkway products, for the following warranty period:
 - 1. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. General Performance: Installed roofing system and flashings to withstand specified uplift pressures, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Roof system and flashings to remain watertight.
 - 1. Accelerated Weathering: Roof to withstand 2000 hours of exposure when tested according to ASTM G152, ASTM G154, or ASTM G155.
 - 2. Impact Resistance: Roof membrane to resist impact damage when tested according to ASTM D3746, ASTM D4272, or the "Resistance to Foot Traffic Test" in FM Approvals 4470.
- B. Material Compatibility: Roofing materials to be compatible with one another and adjacent materials under conditions of service and application required, as demonstrated by roof membrane manufacturer based on testing and field experience.

- C. SPRI's Directory of Roof Assemblies Listing: Roof membrane, base flashings, and component materials comply with requirements in FM Approvals 4450 or FM Approvals 4470 as part of a roofing system, and are listed in SPRI's Directory of Roof Assemblies for roof assembly identical for that specified for this Project.
 - 1. Wind Uplift Load Capacity: [60 psf] [75 psf] [90 psf] [105 psf] [120 psf] <Insert capacity>.
- D. Energy Star Listing: Roofing system to be listed on the DOE's Energy Star "Roof Products Qualified Product List" for low-slope roof products.
- E. Exterior Fire-Test Exposure: ASTM E108 or UL 790, Class A; for application and roof slopes indicated; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
- F. Fire-Resistance Ratings: Comply with fire-resistance-rated assembly designs indicated. Identify products with appropriate markings of applicable testing agency.

2.2 THERMOPLASTIC POLYOLEFIN (TPO) ROOFING SYSTEM

- A. TPO Sheet: ASTM D6878/D6878M, internally fabric- or scrim-reinforced, TPO sheet.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Carlisle Syntec Systems
 - b. GAF
 - c. Johns Manville; a Berkshire Hathaway company
 - 2. Source Limitations: Obtain components for roofing system from roof membrane manufacturer, or.
 - 3. Thickness: 60 mils, nominal.
 - 4. Exposed Face Color: White.

2.3 ACCESSORY ROOFING MATERIALS

- A. General: Accessory materials recommended by roofing system manufacturer for intended use and compatible with other roofing components.
- B. Sheet Flashing: Manufacturer's standard unreinforced TPO sheet flashing, 55 mils thick, minimum, of same color as TPO sheet.
- C. Prefabricated Pipe Flashings: As recommended by roof membrane manufacturer.
- D. Roof Vents: As recommended by roof membrane manufacturer.
 - 1. Size: Not less than 4-inch diameter.
- E. Bonding Adhesive: Manufacturer's standard.

- F. Metal Termination Bars: Manufacturer's standard, predrilled stainless steel or aluminum bars, approximately 1 by 1/8 inch thick; with anchors.
- G. Metal Battens: Manufacturer's standard, aluminum-zinc-alloy-coated or zinc-coated steel sheet, approximately 1 inch wide by 0.05 inch thick, prepunched.
- H. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening roofing components to substrate, and acceptable to roofing system manufacturer.
- I. Miscellaneous Accessories: Provide pourable sealers, preformed cone and vent sheet flashings, preformed inside and outside corner sheet flashings, T-joint covers, lap sealants, termination reglets, and other accessories.

2.4 VAPOR RETARDER

- A. Polyethylene Film: ASTM D4397, 10 mils thick, minimum, with maximum permeance rating of 0.13 perm.
 - 1. Tape: Pressure-sensitive tape of type recommended by vapor retarder manufacturer for sealing joints and penetrations in vapor retarder.
 - 2. Adhesive: Manufacturer's standard lap adhesive, listed by FM Approvals for vapor retarder application.

2.5 ROOF INSULATION

- A. General: Preformed roof insulation boards manufactured or approved by TPO roof membrane manufacturer, approved for use in SPRI's Directory of Roof Assemblies listed roof assemblies.
- B. Polyisocyanurate Board Insulation: ASTM C1289, Type II, Class 1, Grade 2, felt or glass-fiber mat facer on both major surfaces.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Carlisle Syntec Systems
 - b. CertainTeed; SAINT-GOBAIN
 - c. GAF
 - d. Johns Manville; a Berkshire Hathaway company
 - 2. Compressive Strength: 20 psi.
 - 3. Size: 48 by 96 inches.
 - 4. Thickness:
 - a. Base Layer: 1-1/2 inches.
 - b. Upper Layer: As indicated on the drawings.
- C. Tapered Insulation: Provide factory-tapered insulation boards.

1. Material: Match roof insulation.
2. Minimum Thickness: 1/4 inch.
3. Slope:
 - a. Roof Field: 1/4 inch per foot unless otherwise indicated on Drawings.
 - b. Saddles and Crickets: 1/2 inch per foot unless otherwise indicated on Drawings.

2.6 INSULATION ACCESSORIES AND COVER BOARD

- A. General: Roof insulation accessories recommended by insulation manufacturer for intended use and compatibility with other roofing system components.
- B. Fasteners: Factory-coated steel fasteners with metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening roof insulation and cover boards to substrate, and acceptable to roofing system manufacturer.
- C. Insulation Adhesive: Insulation manufacturer's recommended adhesive formulated to attach roof insulation to substrate or to another insulation layer as follows:
 1. Full-spread, spray-applied, low-rise, two-component urethane adhesive.
- D. Glass-Mat Gypsum Cover Board: ASTM C1177/C1177M, water-resistant gypsum board.
 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. CertainTeed; SAINT-GOBAIN
 - b. Georgia-Pacific Gypsum LLC
 - c. Gold Bond Building Products, LLC provided by National Gypsum Company
 - d. USG Corporation
 2. Thickness: 1/2 inch.
 3. Surface Finish: Factory primed.

2.7 WALKWAYS

- A. Flexible Walkways: Factory-formed, nonporous, heavy-duty, slip-resisting, surface-textured walkway pads, or, rolls, approximately 3/16 inch thick and acceptable to roofing system manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and other conditions affecting performance of the Work.
 - 1. Verify that roof openings and penetrations are in place, curbs are set and braced, and roof-drain bodies are securely clamped in place.
 - 2. Verify that wood blocking, curbs, and nailers are securely anchored to roof deck at penetrations and terminations and that nailers match thicknesses of insulation.
 - 3. Verify that surface plane flatness and fastening of steel roof deck complies with requirements in Section 053100 "Steel Decking."
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing system installation according to roofing system manufacturer's written instructions. Remove sharp projections.
- B. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is forecast.

3.3 INSTALLATION OF ROOFING, GENERAL

- A. Install roofing system according to roofing system manufacturer's written instructions, SPRI's Directory of Roof Assemblies listed roof assembly requirements, and FM Global Property Loss Prevention Data Sheet 1-29.
- B. Complete terminations and base flashings and provide temporary seals to prevent water from entering completed sections of roofing system at end of workday or when rain is forecast. Remove and discard temporary seals before beginning Work on adjoining roofing.
- C. Install roof membrane and auxiliary materials to tie in to existing roofing to maintain weathertightness of transition.
- D. Coordinate installation and transition of roofing system component serving as an air barrier with air barrier specified under Section 072726 "Fluid-Applied Membrane Air Barriers."

3.4 INSTALLATION OF VAPOR RETARDER

- A. Polyethylene Film: Loosely lay polyethylene-film vapor retarder in a single layer over

area to receive vapor retarder, side and end lapping each sheet a minimum of 2 and 6 inches, respectively.

1. Extend vertically up parapet walls and projections to a minimum height equal to height of insulation and cover board.
 2. Continuously seal side and end laps with tape.
- B. Completely seal vapor retarder at terminations, obstructions, and penetrations to prevent air movement into roofing system.

3.5 INSTALLATION OF INSULATION

- A. Coordinate installing roofing system components so insulation is not exposed to precipitation or left exposed at end of workday.
- B. Comply with roofing system and roof insulation manufacturer's written instructions for installing roof insulation.
- C. Installation Over Wood and Wood Panel Decking:
1. Install base layer of insulation with end joints staggered not less than 12 inches in adjacent rows.
 - a. Where installing composite and noncomposite insulation in two or more layers, install noncomposite board insulation for bottom layer and intermediate layers, if applicable, and install composite board insulation for top layer.
 - b. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - c. Make joints between adjacent insulation boards not more than 1/4 inch in width.
 - d. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches.
 - 1) Trim insulation so that water flow is unrestricted.
 - e. Fill gaps exceeding 1/4 inch with insulation.
 - f. Cut and fit insulation within 1/4 inch of nailers, projections, and penetrations.
 - g. Loosely lay base layer of insulation units over substrate.
 2. Mechanically attach base layer of insulation using mechanical fasteners specifically designed and sized for fastening specified board-type roof insulation to wood panel decks.
 - a. Fasten insulation according to requirements in SPRI's Directory of Roof Assemblies for specified Wind Uplift Load Capacity.
 - b. Fasten insulation to resist specified uplift pressure at corners, perimeter, and field of roof.

3. Install upper layers of insulation and tapered insulation with joints of each layer offset not less than 12 inches from previous layer of insulation.
 - a. Install with long joints continuous and with end joints staggered not less than 12 inches in adjacent rows.
 - b. Trim insulation neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 - c. Make joints between adjacent insulation boards not more than 1/4 inch in width.
 - d. At internal roof drains, slope insulation to create a square drain sump with each side equal to the diameter of the drain bowl plus 24 inches.
 - 1) Trim insulation so that water flow is unrestricted.
 - e. Fill gaps exceeding 1/4 inch with insulation.
 - f. Cut and fit insulation within 1/4 inch of nailers, projections, and penetrations.
 - g. Loosely lay each layer of insulation units over substrate.
 - h. Adhere each layer of insulation to substrate using adhesive according to SPRI's Directory of Roof Assemblies listed roof assembly requirements for specified Wind Uplift Load Capacity and FM Global Property Loss Prevention Data Sheet 1-29, as follows:
 - 1) Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.

3.6 INSTALLATION OF COVER BOARDS

- A. Install cover boards over insulation with long joints in continuous straight lines with end joints staggered between rows. Offset joints of insulation below a minimum of 6 inches in each direction.
 1. Trim cover board neatly to fit around penetrations and projections, and to fit tight to intersecting sloping roof decks.
 2. At internal roof drains, conform to slope of drain sump.
 - a. Trim cover board so that water flow is unrestricted.
 3. Cut and fit cover board tight to nailers, projections, and penetrations.
 4. Adhere cover board to substrate using adhesive according to SPRI's Directory of Roof Assemblies listed roof assembly requirements for specified Wind Uplift Load Capacity and FM Global Property Loss Prevention Data Sheet 1-29, as follows:
 - a. Set cover board in a uniform coverage of full-spread insulation adhesive, firmly pressing and maintaining insulation in place.

3.7 INSTALLATION OF ADHERED ROOF MEMBRANE

- A. Adhere roof membrane over area to receive roofing according to roofing system manufacturer's written instructions.
- B. Unroll roof membrane and allow to relax before installing.
- C. Start installation of roofing in presence of roofing system manufacturer's technical personnel and Owner's testing and inspection agency.
- D. Accurately align roof membrane, and maintain uniform side and end laps of minimum dimensions required by manufacturer. Stagger end laps.
- E. Bonding Adhesive: Apply to substrate and underside of roof membrane at rate required by manufacturer, and allow to partially dry before installing roof membrane. Do not apply to splice area of roof membrane.
- F. In addition to adhering, mechanically fasten roof membrane securely at terminations, penetrations, and perimeter of roofing.
- G. Apply roof membrane with side laps shingled with slope of roof deck where possible.
- H. Seams: Clean seam areas, overlap roof membrane, and hot-air weld side and end laps of roof membrane and sheet flashings, to ensure a watertight seam installation.
 - 1. Test lap edges with probe to verify seam weld continuity. Apply lap sealant to seal cut edges of roof membrane and sheet flashings.
 - 2. Verify field strength of seams a minimum of twice daily, and repair seam sample areas.
 - 3. Repair tears, voids, and lapped seams in roof membrane that do not comply with requirements.
- I. Spread sealant bed over deck-drain flange at roof drains, and securely seal roof membrane in place with clamping ring.

3.8 INSTALLATION OF BASE FLASHING

- A. Install sheet flashings and preformed flashing accessories, and adhere to substrates according to roofing system manufacturer's written instructions.
- B. Apply bonding adhesive to substrate and underside of sheet flashing at required rate, and allow to partially dry. Do not apply to seam area of flashing.
- C. Flash penetrations and field-formed inside and outside corners with cured or uncured sheet flashing.
- D. Clean seam areas, overlap, and firmly roll sheet flashings into the adhesive. Hot-air weld side and end laps to ensure a watertight seam installation.
- E. Terminate and seal top of sheet flashings and mechanically anchor to substrate

through termination bars.

3.9 INSTALLATION OF WALKWAYS

A. Flexible Walkways:

1. Install flexible walkways at the following locations:
 - a. Retain one or more subparagraphs below. Revise to suit Project.
 - b. Perimeter of each rooftop unit.
 - c. Between each rooftop unit location, creating a continuous path connecting rooftop unit locations.
 - d. Between each roof hatch and each rooftop unit location or path connecting rooftop unit locations.
 - e. Top and bottom of each roof access ladder.
 - f. Between each roof access ladder and each rooftop unit location or path connecting rooftop unit locations.
 - g. Locations indicated on Drawings.
 - h. As required by roof membrane manufacturer's warranty requirements.
2. Provide 6-inch clearance between adjoining pads.
3. Heat weld to substrate or adhere walkway products to substrate with compatible adhesive according to roofing system manufacturer's written instructions.

3.10 FIELD QUALITY CONTROL

- A. Testing Agency: Engage a qualified testing agency to perform tests and to inspect substrate conditions, surface preparation, roof membrane application, sheet flashings, protection, and drainage components, and to furnish reports to Architect.
- B. Perform the following tests:
 1. Flood Testing: Flood test each roof area for leaks, according to recommendations in ASTM D5957, after completing roofing and flashing but before overlying construction is placed. Install temporary containment assemblies, plug or dam drains, and flood with potable water.
 - a. Perform tests before overlying construction is placed.
 - b. Flood to an average depth of 2-1/2 inches with a minimum depth of 1 inch and not exceeding a depth of 4 inches. Maintain 2 inches of clearance from top of base flashing.
 - c. Flood each area for 24 hours.
 - d. After flood testing, repair leaks, repeat flood tests, and make further repairs until roofing and flashing installations are watertight.
 - 1) Cost of retesting is Contractor's responsibility.
 - e. Testing agency to prepare survey report indicating locations of initial leaks, if any, and final survey report.

- C. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion, in presence of Architect, and to prepare inspection report.
- D. Repair or remove and replace components of roofing system where inspections indicate that they do not comply with specified requirements.
- E. Additional testing and inspecting, at Contractor's expense, will be performed to determine if replaced or additional work complies with specified requirements.

3.11 PROTECTING AND CLEANING

- A. Protect roofing system from damage and wear during remainder of construction period. When remaining construction does not affect or endanger roofing system, inspect roofing system for deterioration and damage, describing its nature and extent in a written report, with copies to Architect and Owner.
- B. Correct deficiencies in or remove roofing system that does not comply with requirements, repair substrates, and repair or reinstall roofing system to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.
- C. Clean overspray and spillage from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

END OF SECTION 075423

SECTION 076200 - SHEET METAL FLASHING AND TRIM

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Low-slope roof sheet metal fabrications.

1.2 ACTION SUBMITTALS

A. Product Data:

1. Low-slope roof sheet metal fabrications.

B. Product Data Submittals:

1. Underlayment materials.
2. Elastomeric sealant.
3. Butyl sealant.
4. Epoxy seam sealer.

C. Shop Drawings: For sheet metal flashing and trim.

1. Include plans, elevations, sections, and attachment details.
2. Detail fabrication and installation layouts, expansion-joint locations, and keyed details. Distinguish between shop- and field-assembled Work.
3. Include identification of material, thickness, weight, and finish for each item and location in Project.
4. Include details for forming, including profiles, shapes, seams, and dimensions.
5. Include details for joining, supporting, and securing, including layout and spacing of fasteners, cleats, clips, and other attachments. Include pattern of seams.
6. Include details of termination points and assemblies.
7. Include details of expansion joints and expansion-joint covers, including showing direction of expansion and contraction from fixed points.
8. Include details of roof-penetration flashing.
9. Include details of edge conditions, including eaves, ridges, valleys, rakes, crickets, flashings, and counterflashings.
10. Include details of special conditions.
11. Include details of connections to adjoining work.
12. Detail formed flashing and trim at scale of not less than 1-1/2 inches per 12 inches.

D. Samples: For each exposed product and for each color and texture specified, 12 inches long by actual width.

- E. Samples for Initial Selection: For each type of sheet metal and accessory indicated with factory-applied finishes.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For fabricator.
- B. Product Certificates: For each type of coping and roof edge flashing that is ANSI/SPRI/FM 4435/ES-1 tested.
- C. Product Test Reports: For each product, for tests performed by a qualified testing agency.
- D. Evaluation Reports: For copings and roof edge flashing, from an agency acceptable to authority having jurisdiction showing compliance with ANSI/SPRI/FM 4435/ES-1.
- E. Sample Warranty: For special warranty.

1.4 QUALITY ASSURANCE

- A. Fabricator Qualifications: Employs skilled workers who custom fabricate sheet metal flashing and trim similar to that required for this Project and whose products have a record of successful in-service performance.
 - 1. For copings and roof edge flashings that are ANSI/SPRI/FM 4435/ES-1 tested, shop is to be listed as able to fabricate required details as tested and approved.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Do not store sheet metal flashing and trim materials in contact with other materials that might cause staining, denting, or other surface damage.
 - 1. Store sheet metal flashing and trim materials away from uncured concrete and masonry.
 - 2. Protect stored sheet metal flashing and trim from contact with water.
- B. Protect strippable protective covering on sheet metal flashing and trim from exposure to sunlight and high humidity, except to extent necessary for period of sheet metal flashing and trim installation.

1.6 WARRANTY

- A. Special Warranty on Finishes: Manufacturer agrees to repair finish or replace sheet metal flashing and trim that shows evidence of deterioration of factory-applied finishes within specified warranty period.
 - 1. Exposed Panel Finish: Deterioration includes, but is not limited to, the following:

- a. Color fading more than 5 Delta E units when tested in accordance with ASTM D2244.
 - b. Chalking in excess of a No. 8 rating when tested in accordance with ASTM D4214.
 - c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.
2. Finish Warranty Period: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Sheet metal flashing and trim assemblies, including cleats, anchors, and fasteners, are to withstand wind loads, structural movement, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Completed sheet metal flashing and trim are not to rattle, leak, or loosen, and are to remain watertight.
- B. Sheet Metal Standard for Flashing and Trim: Comply with NRCA's "The NRCA Roofing Manual: Architectural Metal Flashing, Condensation and Air Leakage Control, and Reroofing", and, SMACNA's "Architectural Sheet Metal Manual" requirements for dimensions and profiles shown unless more stringent requirements are indicated.
- C. SPRI Wind Design Standard: Manufacture and install copings, and roof edge flashings tested in accordance with ANSI/SPRI/FM 4435/ES-1 and capable of resisting the following design pressure:
 1. Design Pressure: As indicated on Drawings.
- D. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes to prevent buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
 1. Temperature Change: 120 deg F, ambient; 180 deg F, material surfaces.

2.2 SHEET METALS

- A. Protect mechanical and other finishes on exposed surfaces from damage by applying strippable, temporary protective film before shipping.
- B. Metallic-Coated Steel Sheet: Provide zinc-coated (galvanized) steel sheet in accordance with ASTM A653/A653M, G90 coating designation; prepainted by coil-coating process to comply with ASTM A755/A755M.
 1. Surface: Smooth, flat.
 2. Exposed Coil-Coated Finish:

- a. Three-Coat Fluoropolymer: AAMA 621. Fluoropolymer finish containing not less than 70 percent polyvinylidene fluoride (PVDF) resin by weight in both color coat and clear topcoat. Prepare, pretreat, and apply coating to exposed metal surfaces to comply with coating and resin manufacturers' written instructions.
3. Color: As selected by Architect from manufacturer's full range.
4. Concealed Finish: Pretreat with manufacturer's standard white or light-colored acrylic or polyester backer finish, consisting of prime coat and wash coat with minimum total dry film thickness of 0.5 mil.

2.3 UNDERLAYMENT MATERIALS

- A. Self-Adhering, High-Temperature Sheet Underlayment: Minimum 30 mils thick, consisting of a slip-resistant polyethylene- or polypropylene-film top surface laminated to a layer of butyl- or SBS-modified asphalt adhesive, with release-paper backing; specifically designed to withstand high metal temperatures beneath metal roofing. Provide primer in accordance with underlayment manufacturer's written instructions.
 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Carlisle WIP Products; a brand of Carlisle Construction Materials
 - b. GCP Applied Technologies Inc.
 - c. Henry Company; a Carlisle company
 - d. Owens Corning
 2. Source Limitations: Obtain underlayment from single source from single manufacturer.
 3. Low-Temperature Flexibility: ASTM D1970/D1970M; passes after testing at minus 20 deg F or lower.

2.4 MISCELLANEOUS MATERIALS

- A. Provide materials and types of fasteners, protective coatings, sealants, and other miscellaneous items as required for complete sheet metal flashing and trim installation and as recommended by manufacturer of primary sheet metal unless otherwise indicated.
- B. Fasteners: Wood screws, annular threaded nails, self-tapping screws, self-locking rivets and bolts, and other suitable fasteners designed to withstand design loads and recommended by manufacturer of primary sheet metal.
 1. General: Blind fasteners or self-drilling screws, gasketed, with hex-washer head.
 - a. Exposed Fasteners: Heads matching color of sheet metal using plastic caps or factory-applied coating. Provide metal-backed EPDM or PVC sealing washers under heads of exposed fasteners bearing on weather side of metal.

2. Fasteners for Zinc-Coated (Galvanized) or Aluminum-Zinc Alloy-Coated Steel Sheet: Series 300 stainless steel or hot-dip galvanized steel in accordance with ASTM A153/A153M or ASTM F2329/F2329M.
- C. Solder:
1. For Zinc-Coated (Galvanized) Steel: ASTM B32, Grade Sn50, 50 percent tin and 50 percent lead or Grade Sn60, 60 percent tin and 40 percent lead.
- D. Sealant Tape: Pressure-sensitive, 100 percent solids, polyisobutylene compound sealant tape with release-paper backing. Provide permanently elastic, nonsag, nontoxic, nonstaining tape 1/2 inch wide and 1/8 inch thick.
- E. Elastomeric Sealant: ASTM C920, elastomeric polyurethane polymer sealant; of type, grade, class, and use classifications required to seal joints in sheet metal flashing and trim and remain watertight.
- F. Epoxy Seam Sealer: Two-part, noncorrosive, aluminum seam-cementing compound, recommended by aluminum manufacturer for exterior nonmoving joints, including riveted joints.
- G. Bituminous Coating: Cold-applied asphalt emulsion in accordance with ASTM D1187/D1187M.
- H. Asphalt Roofing Cement: ASTM D4586/D4586M, asbestos free, of consistency required for application.

2.5 FABRICATION, GENERAL

- A. Custom fabricate sheet metal flashing and trim to comply with details indicated and recommendations in cited sheet metal standard that apply to design, dimensions, geometry, metal thickness, and other characteristics of item required.
1. Fabricate sheet metal flashing and trim in shop to greatest extent possible.
 2. Fabricate sheet metal flashing and trim in thickness or weight needed to comply with performance requirements, but not less than that specified for each application and metal.
 3. Verify shapes and dimensions of surfaces to be covered and obtain field measurements for accurate fit before shop fabrication.
 4. Form sheet metal flashing and trim to fit substrates without excessive oil-canning, buckling, and tool marks; true to line, levels, and slopes; and with exposed edges folded back to form hems.
 5. Conceal fasteners and expansion provisions where possible. Do not use exposed fasteners on faces exposed to view.
- B. Fabrication Tolerances:
1. Fabricate sheet metal flashing and trim that is capable of installation to a tolerance of 1/4 inch in 20 feet on slope and location lines indicated on Drawings and within 1/8-inch offset of adjoining faces and of alignment of matching

- profiles.
- 2. Fabricate sheet metal flashing and trim that is capable of installation to tolerances specified.
- C. Expansion Provisions: Form metal for thermal expansion of exposed flashing and trim.
 - 1. Form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with butyl sealant concealed within joints.
 - 2. Use lapped expansion joints only where indicated on Drawings.
- D. Sealant Joints: Where movable, nonexpansion-type joints are required, form metal in accordance with cited sheet metal standard to provide for proper installation of elastomeric sealant.
- E. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal.
- F. Fabricate cleats and attachment devices of sizes as recommended by cited sheet metal standard for application, but not less than thickness of metal being secured.
- G. Seams:
 - 1. Fabricate nonmoving seams with flat-lock seams. Tin edges to be seamed, form seams, and solder.
 - 2. Fabricate nonmoving seams with flat-lock seams. Form seams and seal with elastomeric sealant unless otherwise recommended by sealant manufacturer for intended use.
- H. Do not use graphite pencils to mark metal surfaces.

2.6 LOW-SLOPE ROOF SHEET METAL FABRICATIONS

- A. Roof Edge Flashing (Gravel Stop) and Fascia Cap: Fabricate in minimum 96-inch-long, but not exceeding 12-foot- long sections. Furnish with 6-inch- wide, joint cover plates. Shop fabricate interior and exterior corners.
 - 1. Joint Style: Overlapped, 4 inches wide.
 - 2. Fabricate from the following materials:
 - a. Galvanized Steel: 0.028 inch thick.
- B. Copings: Fabricate in minimum 96-inch- long, but not exceeding 12-foot- long, sections. Fabricate joint plates of same thickness as copings. Furnish with continuous cleats to support edge of external leg and drill elongated holes for fasteners on interior leg. Miter corners, fasten and seal watertight. Shop fabricate interior and exterior corners.
 - 1. Coping Profile: As detailed on the drawings and in accordance with SMACNA's "Architectural Sheet Metal Manual."
 - 2. Joint Style: Butted with expansion space and 6-inch- wide, concealed backup

- plate.
- 3. Fabricate from the following materials:
 - a. Galvanized Steel: 0.040 inch thick.
- C. Base Flashing: Shop fabricate interior and exterior corners. Fabricate from the following materials:
 - 1. Galvanized Steel: 0.028 inch thick.
- D. Counterflashing: Shop fabricate interior and exterior corners. Fabricate from the following materials:
 - 1. Galvanized Steel: 0.022 inch thick.
- E. Roof-Penetration Flashing: Fabricate from the following materials:
 - 1. Galvanized Steel: 0.028 inch thick.
- F. Roof-Drain Flashing: Fabricate from the following materials:
 - 1. Stainless Steel: 0.0156 inch thick.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with installer present, for compliance with requirements for installation tolerances, substrate, and other conditions affecting performance of the Work.
 - 1. Verify compliance with requirements for installation tolerances of substrates.
 - 2. Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and securely anchored.
 - 3. Verify that air- or water-resistant barriers have been installed over sheathing or backing substrate to prevent air infiltration or water penetration.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION OF UNDERLAYMENT

- A. Self-Adhering, High-Temperature Sheet Underlayment:
 - 1. Install self-adhering, high-temperature sheet underlayment; wrinkle free.
 - 2. Prime substrate if recommended by underlayment manufacturer.
 - 3. Comply with temperature restrictions of underlayment manufacturer for installation; use primer for installing underlayment at low temperatures.
 - 4. Apply in shingle fashion to shed water, with end laps of not less than 6 inches

- staggered 24 inches between courses.
- 5. Overlap side edges not less than 3-1/2 inches. Roll laps and edges with roller.
- 6. Roll laps and edges with roller.
- 7. Cover underlayment within 14 days.

3.3 INSTALLATION, GENERAL

- A. Install sheet metal flashing and trim to comply with details indicated and recommendations of cited sheet metal standard that apply to installation characteristics required unless otherwise indicated on Drawings.
 - 1. Install fasteners, protective coatings, separators, sealants, and other miscellaneous items as required to complete sheet metal flashing and trim system.
 - 2. Install sheet metal flashing and trim true to line, levels, and slopes. Provide uniform, neat seams with minimum exposure of sealant.
 - 3. Anchor sheet metal flashing and trim and other components of the Work securely in place, with provisions for thermal and structural movement.
 - 4. Install sheet metal flashing and trim to fit substrates and to result in watertight performance.
 - 5. Install continuous cleats with fasteners spaced not more than 12 inches o.c.
 - 6. Space individual cleats not more than 12 inches apart. Attach each cleat with at least two fasteners. Bend tabs over fasteners.
 - 7. Install exposed sheet metal flashing and trim with limited oil-canning, and free of buckling and tool marks.
 - 8. Do not field cut sheet metal flashing and trim by torch.
 - 9. Do not use graphite pencils to mark metal surfaces.
- B. Metal Protection: Where dissimilar metals contact each other, or where metal contacts pressure-treated wood or other corrosive substrates, protect against galvanic action or corrosion by painting contact surfaces with bituminous coating or by other permanent separation as recommended by sheet metal manufacturer or cited sheet metal standard.
 - 1. Underlayment: Where installing sheet metal flashing and trim directly on cementitious or wood substrates, install underlayment and cover with slip sheet.
- C. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim.
 - 1. Space movement joints at maximum of 10 feet with no joints within 24 inches of corner or intersection.
 - 2. Form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with sealant concealed within joints.
 - 3. Use lapped expansion joints only where indicated on Drawings.
- D. Fasteners: Use fastener sizes that penetrate wood blocking or sheathing not less than 1-1/4 inches for nails and not less than 3/4 inch for wood screws.
- E. Conceal fasteners and expansion provisions where possible in exposed work and

locate to minimize possibility of leakage. Cover and seal fasteners and anchors as required for a tight installation.

- F. Seal joints as required for watertight construction.
 - 1. Use sealant-filled joints unless otherwise indicated.
 - a. Embed hooked flanges of joint members not less than 1 inch into sealant.
 - b. Form joints to completely conceal sealant.
 - c. When ambient temperature at time of installation is between 40 and 70 deg F, set joint members for 50 percent movement each way.
 - d. Adjust setting proportionately for installation at higher ambient temperatures.
 - 1) Do not install sealant-type joints at temperatures below 40 deg F.
 - 2. Prepare joints and apply sealants to comply with requirements in Section 079200 "Joint Sealants."
- G. Rivets: Rivet joints in [uncoated aluminum] [zinc] where necessary for strength.

3.4 INSTALLATION OF ROOF FLASHINGS

- A. Install sheet metal flashing and trim to comply with performance requirements, sheet metal manufacturer's written installation instructions, and cited sheet metal standard.
 - 1. Provide concealed fasteners where possible, and set units true to line, levels, and slopes.
 - 2. Install work with laps, joints, and seams that are permanently watertight and weather resistant.
- B. Roof Edge Flashing:
 - 1. Install roof edge flashings in accordance with ANSI/SPRI/FM 4435/ES-1.
 - 2. Anchor to resist uplift and outward forces in accordance with recommendations in cited sheet metal standard unless otherwise indicated. Interlock bottom edge of roof edge flashing with continuous cleat anchored to substrate at staggered 3-inch centers.
 - 3. Anchor to resist uplift and outward forces in accordance with recommendations in FM Global Property Loss Prevention Data Sheet 1-49 for FM Approvals' listing for required windstorm classification.
- C. Copings:
 - 1. Install roof edge flashings in accordance with ANSI/SPRI/FM 4435/ES-1.
 - 2. Anchor to resist uplift and outward forces in accordance with recommendations in cited sheet metal standard unless otherwise indicated.
 - a. Interlock exterior bottom edge of coping with continuous cleat anchored to substrate at 24-inch centers.

- b. Anchor interior leg of coping with washers and screw fasteners through slotted holes at 24-inch centers.
- D. Counterflashing: Coordinate installation of counterflashing with installation of base flashing.
 - 1. Insert counterflashing in reglets or receivers and fit tightly to base flashing.
 - 2. Extend counterflashing 4 inches over base flashing.
 - 3. Lap counterflashing joints minimum of 4 inches.
 - 4. Secure in waterproof manner by means of snap-in installation and sealant or lead wedges and sealant unless otherwise indicated.
- E. Roof-Penetration Flashing: Coordinate installation of roof-penetration flashing with installation of roofing and other items penetrating roof. Seal with elastomeric sealant and clamp flashing to pipes that penetrate roof.

3.5 INSTALLATION TOLERANCES

- A. Installation Tolerances: Shim and align sheet metal flashing and trim within installed tolerance of 1/4 inch in 20 feet on slope and location lines indicated on Drawings and within 1/8-inch offset of adjoining faces and of alignment of matching profiles.

3.6 CLEANING

- A. Clean exposed metal surfaces of substances that interfere with uniform oxidation and weathering.
- B. Clean off excess sealants.

3.7 PROTECTION

- A. Remove temporary protective coverings and strippable films as sheet metal flashing and trim are installed unless otherwise indicated in manufacturer's written installation instructions.
- B. On completion of sheet metal flashing and trim installation, remove unused materials and clean finished surfaces as recommended in writing by sheet metal flashing and trim manufacturer.
- C. Maintain sheet metal flashing and trim in clean condition during construction.
- D. Replace sheet metal flashing and trim that have been damaged or that have deteriorated beyond successful repair by finish touchup or similar minor repair procedures, as determined by Architect.

END OF SECTION 076200

SECTION 077200 - ROOF ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Roof curbs.
 - 2. Equipment supports.
 - 3. Roof hatches.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of roof accessory.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
- B. Shop Drawings: For roof accessories.
 - 1. Include plans, elevations, keyed details, and attachments to other work. Indicate dimensions, loadings, and special conditions. Distinguish between plant- and field-assembled work.
- C. Samples: For each exposed product and for each color and texture specified, prepared on Samples of size to adequately show color.
- D. Delegated Design Submittals: For roof curbs, and equipment supports indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.
 - 1. Detail mounting, securing, and flashing of roof-mounted items to roof structure. Indicate coordinating requirements with roof membrane system.

1.3 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Roof plans, drawn to scale, and coordinating penetrations and roof-mounted items. Show the following:
 - 1. Size and location of roof accessories specified in this Section.
 - 2. Method of attaching roof accessories to roof or building structure.
 - 3. Other roof-mounted items including mechanical and electrical equipment, ductwork, piping, and conduit.
 - 4. Required clearances.

- B. Sample Warranties: For manufacturer's special warranties.

1.4 WARRANTY

- A. Special Warranty on Painted Finishes: Manufacturer's standard form in which manufacturer agrees to repair finishes or replace roof accessories that show evidence of deterioration of factory-applied finishes within specified warranty period.
1. Fluoropolymer Finish: Deterioration includes, but is not limited to, the following:
 - a. Color fading more than 5 Delta E units when tested according to ASTM D2244.
 - b. Chalking in excess of a No. 8 rating when tested according to ASTM D4214.
 - c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.
 2. Finish Warranty Period: 20 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. General Performance: Roof accessories to withstand exposure to weather and resist thermally induced movement without failure, rattling, leaking, or fastener disengagement due to defective manufacture, fabrication, installation, or other defects in construction.
- B. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design roof curbs, and, equipment supports to comply with wind performance requirements, including comprehensive engineering analysis by a qualified professional engineer, using performance requirements and design criteria indicated.

2.2 ROOF CURBS

- A. Roof Curbs: Internally reinforced roof-curb units capable of supporting superimposed live and dead loads, including equipment loads and other construction indicated on Drawings, bearing continuously on roof structure, and capable of meeting performance requirements; with welded or mechanically fastened and sealed corner joints, integral metal cant, and integrally formed deck-mounting flange at perimeter bottom.
1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Greenheck Fan Corporation
 - b. LMCurbs

c. Thybar Corporation

- B. Size: Coordinate dimensions with roughing-in information or Shop Drawings of equipment to be supported.
- C. Supported Load Capacity: Coordinate load capacity with information on Shop Drawings of equipment to be supported.
- D. Steel: Zinc-coated (galvanized) steel sheet, 0.052 inch thick.
 - 1. Finish: Mill phosphatized.
- E. Construction:
 - 1. Curb Profile: Manufacturer's standard compatible with roofing system.
 - 2. Fabricate curbs to minimum height of 12 inches above roofing surface unless otherwise indicated.
 - 3. Top Surface: Level top of curb, with roof slope accommodated by sloping deck-mounting flange, or.
 - 4. Sloping Roofs: Where roof slope exceeds 1:48, fabricate curb with perimeter curb height tapered to accommodate roof slope so that top surface of perimeter curb is level. Equip unit with water diverter or cricket on side that obstructs water flow.
 - 5. Insulation: Factory insulated with 1-1/2-inch- thick glass-fiber board insulation.
 - 6. Liner: Same material as curb, of manufacturer's standard thickness and finish.
 - 7. Nailer: Factory-installed wood nailer along top flange of curb, continuous around curb perimeter.
 - 8. Metal Counterflashing: Manufacturer's standard, removable, fabricated of same metal and finish as curb.

2.3 EQUIPMENT SUPPORTS

- A. Equipment Supports: Internally reinforced perimeter metal equipment supports capable of supporting superimposed live and dead loads between structural supports, including equipment loads and other construction indicated on Drawings, spanning between structural supports; capable of meeting performance requirements; with welded or mechanically fastened and sealed corner joints, integral metal cant, and integrally formed structure-mounting flange at bottom.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Greenheck Fan Corporation
 - b. LMCurbs
 - c. Thybar Corporation
- B. Size: Coordinate dimensions with roughing-in information or Shop Drawings of equipment to be supported.
- C. Supported Load Capacity: Coordinate load capacity with information on Shop

Drawings of equipment to be supported.

- D. Steel: Zinc-coated (galvanized) steel sheet, 0.052 inch thick.
 - 1. Finish: Mill phosphatized.
- E. Construction:
 - 1. Curb Profile: Manufacturer's standard compatible with roofing system.
 - 2. Insulation: Factory insulated with 1-1/2-inch- thick glass-fiber board insulation.
 - 3. Liner: Same material as equipment support, of manufacturer's standard thickness and finish.
 - 4. Nailer: Factory-installed continuous wood nailers 3-1/2 inches wide on top flange of equipment supports, continuous around support perimeter.
 - 5. Metal Counterflashing: Manufacturer's standard, removable, fabricated of same metal and finish as equipment support.
 - 6. On ribbed or fluted metal roofs, form deck-mounting flange at perimeter bottom to conform to roof profile.
 - 7. Fabricate equipment supports to minimum height of 12 inches above roofing surface unless otherwise indicated.
 - 8. Sloping Roofs: Where roof slope exceeds 1:48, fabricate each support with height to accommodate roof slope so that tops of supports are level with each other. Equip supports with water diverters or crickets on sides that obstruct water flow.

2.4 ROOF HATCHES

- A. Roof Hatches: Metal roof-hatch units with lids and insulated single-walled curbs, welded or mechanically fastened and sealed corner joints, continuous lid-to-curb counterflashing and weathertight perimeter gasketing, integral metal cant, and integrally formed deck-mounting flange at perimeter bottom.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Babcock-Davis
 - b. J. L. Industries, Inc.; Activar Construction Products Group, Inc.
 - c. Milcor; Hart & Cooley, Inc.
 - d. Nystrom, Inc.
 - e. Precision Ladders, LLC
- B. Type and Size:
 - 1. Single-leaf lid, 30 by 54 inches.
- C. Loads: Minimum 40-lbf/sq. ft. external live load and 20-lbf/sq. ft. internal uplift load.
- D. Hatch Material, Steel: Zinc-coated (galvanized) steel sheet.
 - 1. Thickness: Manufacturer's standard thickness for hatch size indicated.

2. Finish: Baked enamel or powder coat.
 3. Color: As selected by Architect from manufacturer's full range.
- E. Construction:
1. Insulation: 2-inch- thick, polyisocyanurate board.
 - a. R-Value: 12.0 according to ASTM C1363.
 2. Nailer: Factory-installed wood nailer continuous around hatch perimeter.
 3. Hatch Lid: Opaque, insulated, and double walled, with manufacturer's standard metal liner of same material and finish as outer metal lid.
 4. Curb Liner: Manufacturer's standard, of same material and finish as metal curb.
 5. Fabricate curbs to minimum height of 12 inches above roofing surface unless otherwise indicated.
 6. Sloping Roofs: Where slope or roof deck exceeds 1:48, fabricate curb with perimeter curb height that is tapered to accommodate roof slope so that top surfaces of perimeter curb are level. Equip hatch with water diverter or cricket on side that obstructs water flow.
- F. Hardware: Spring operators, hold-open arm, galvanized steel spring latch with turn handles, galvanized steel butt- or pintle-type hinge system, and padlock hasps inside and outside.
1. Provide two-point latch on lids larger than 84 inches.
- G. Safety Railing System: Roof-hatch manufacturer's standard system including rails, clamps, fasteners, safety barrier at railing opening, and accessories required for a complete installation; attached to roof hatch and complying with 29 CFR 1910.23 requirements and authorities having jurisdiction.
1. Height: 42 inches above finished roof deck.
 2. Posts and Rails: Galvanized-steel pipe, 1-1/4 inches in diameter or galvanized-steel tube, 1-5/8 inches in diameter.
 3. Flat Bar: Galvanized steel, 2 inches high by 3/8 inch thick.
 4. Maximum Opening Size: System constructed to prevent passage of a sphere 21 inches in diameter.
 5. Chain Passway Barrier: Galvanized proof coil chain with quick link on fixed end.
 6. Post and Rail Tops and Ends: Weather resistant, closed or plugged with prefabricated end fittings.
 7. Provide weep holes or another means to drain entrapped water in hollow sections of handrail and railing members.
 8. Fabricate joints exposed to weather to be watertight.
 9. Fasteners: Manufacturer's standard, finished to match railing system.
 10. Finish: Manufacturer's standard.
 - a. Color: As selected by Architect from manufacturer's full range.
- H. Ladder-Assist Post: Roof-hatch manufacturer's standard device for attachment to roof-access ladder.

1. Operation: Post locks in place on full extension; release mechanism returns post to closed position.
2. Height: 42 inches above finished roof deck.
3. Material: Steel tube.
4. Post: 1-5/8-inch- diameter pipe.
5. Finish: Manufacturer's standard baked enamel or powder coat.
 - a. Color: As selected by Architect from manufacturer's full range.

2.5 METAL MATERIALS

- A. Zinc-Coated (Galvanized) Steel Sheet: ASTM A653/A653M, G90 coating designation and mill phosphatized for field painting where indicated.
 1. Mill-Phosphatized Finish: Manufacturer's standard for field painting.
 2. Baked-Enamel or Powder-Coat Finish: After cleaning and pretreating, apply manufacturer's standard two-coat, baked-on finish consisting of prime coat and thermosetting topcoat to a minimum dry film thickness of 2 mils.
 3. Concealed Finish: Pretreat with manufacturer's standard white or light-colored acrylic or polyester-backer finish consisting of prime coat and wash coat, with a minimum total dry film thickness of 0.5 mil.
- B. Steel Shapes: ASTM A36/A36M, hot-dip galvanized according to ASTM A123/A123M unless otherwise indicated.
- C. Galvanized-Steel Tube: ASTM A500/A500M, round tube, hot-dip galvanized according to ASTM A123/A123M.
- D. Steel Pipe: ASTM A53/A53M, galvanized.

2.6 MISCELLANEOUS MATERIALS

- A. Provide materials and types of fasteners, protective coatings, sealants, and other miscellaneous items required by manufacturer for a complete installation.
- B. Polycarbonate Glazing: Thermoformable, monolithic polycarbonate sheets manufactured by extrusion process, burglar-resistance rated according to UL 972 with an average impact strength of [12 to 16 ft-lbf/in.] <Insert value> of width when tested according to ASTM D256, Method A (Izod).
- C. Polyisocyanurate Board Insulation: ASTM C1289, thickness and thermal resistivity as indicated.
- D. Wood Nailers: Softwood lumber, pressure treated with waterborne preservatives for aboveground use, acceptable to authorities having jurisdiction, and complying with AWPA C2; not less than 1-1/2 inches thick.
- E. Bituminous Coating: Cold-applied asphalt emulsion complying with ASTM D1187/D1187M.

F. Underlayment:

1. Self-Adhering, High-Temperature Sheet: Minimum 30 to 40 mils thick, consisting of slip-resisting polyethylene-film top surface laminated to layer of butyl or SBS-modified asphalt adhesive, with release-paper backing; cold applied. Provide primer when recommended by underlayment manufacturer.

G. Fasteners: Roof accessory manufacturer's recommended fasteners suitable for application and metals being fastened. Match finish of exposed fasteners with finish of material being fastened. Provide nonremovable fastener heads to exterior exposed fasteners. Furnish the following unless otherwise indicated:

H. Gaskets: Manufacturer's standard tubular or fingered design of neoprene, EPDM, PVC, or silicone or a flat design of foam rubber, sponge neoprene, or cork.

I. Elastomeric Sealant: ASTM C920, elastomeric [polyurethane] [silicone] polymer sealant as recommended by roof accessory manufacturer for installation indicated; low modulus; of type, grade, class, and use classifications required to seal joints and remain watertight.

J. Butyl Sealant: ASTM C1311, single-component, solvent-release butyl rubber sealant; polyisobutylene plasticized; heavy bodied for expansion joints with limited movement.

K. Asphalt Roofing Cement: ASTM D4586/D4586M, asbestos free, of consistency required for application.

2.7 GENERAL FINISH REQUIREMENTS

A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, to verify actual locations, dimensions, and other conditions affecting performance of the Work.

B. Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and securely anchored.

C. Verify dimensions of roof openings for roof accessories.

D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install roof accessories according to manufacturer's written instructions.
 - 1. Install roof accessories level; plumb; true to line and elevation; and without warping, jogs in alignment, buckling, or tool marks.
 - 2. Anchor roof accessories securely in place so they are capable of resisting indicated loads.
 - 3. Use fasteners, separators, sealants, and other miscellaneous items as required to complete installation of roof accessories and fit them to substrates.
 - 4. Install roof accessories to resist exposure to weather without failing, rattling, leaking, or loosening of fasteners and seals.
- B. Metal Protection: Protect metals against galvanic action by separating dissimilar metals from contact with each other or with corrosive substrates by painting contact surfaces with bituminous coating or by other permanent separation as recommended by manufacturer.
 - 1. Underlayment: Where installing roof accessories directly on cementitious or wood substrates, install a course of underlayment and cover with manufacturer's recommended slip sheet.
 - 2. Bed flanges in thick coat of asphalt roofing cement where required by manufacturers of roof accessories for waterproof performance.
- C. Roof Curb Installation: Install each roof curb so top surface is level.
- D. Equipment Support Installation: Install equipment supports so top surfaces are level with each other.
- E. Roof-Hatch Installation:
 - 1. Verify that roof hatch operates properly. Clean, lubricate, and adjust operating mechanism and hardware.
 - 2. Attach safety railing system to roof-hatch curb.
 - 3. Attach ladder-assist post according to manufacturer's written instructions.
- F. Seal joints with elastomeric sealant as required by roof accessory manufacturer.

3.3 REPAIR AND CLEANING

- A. Galvanized Surfaces: Clean field welds, bolted connections, and abraded areas and repair galvanizing according to ASTM A780/A780M.
- B. Clean exposed surfaces according to manufacturer's written instructions.
- C. Clean off excess sealants.
- D. Replace roof accessories that have been damaged or that cannot be successfully repaired by finish touchup or similar minor repair procedures.

END OF SECTION 077200

SECTION 078413 - PENETRATION FIRESTOPPING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Penetration firestopping systems.

1.2 ACTION SUBMITTALS

- A. Product Data: Penetration firestopping systems.
- B. Product Schedule: For each penetration firestopping system. Include location, illustration of firestopping system, and design designation of qualified testing and inspecting agency.
 - 1. Engineering Judgments: Where Project conditions require modification to a qualified testing and inspecting agency's illustration for a particular penetration firestopping system, submit illustration, with modifications marked, approved by penetration firestopping system manufacturer's fire-protection engineer as an engineering judgment or equivalent fire-resistance-rated assembly developed in accordance with current International Firestop Council (IFC) guidelines. Obtain approval of authorities having jurisdiction prior to submittal.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Listed System Designs: For each penetration firestopping system, for tests performed by a qualified testing agency.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: A firm that has been approved by FM Approvals according to FM Approvals 4991, "Approval Standard for Firestop Contractors," or been evaluated by UL and found to comply with its "Qualified Firestop Contractor Program Requirements."

1.5 PROJECT CONDITIONS

- A. Environmental Limitations: Do not install penetration firestopping system when ambient or substrate temperatures are outside limits permitted by penetration firestopping system manufacturers or when substrates are wet because of rain, frost, condensation, or other causes.

- B. Install and cure penetration firestopping materials per manufacturer's written instructions using natural means of ventilations or, where this is inadequate, forced-air circulation.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain penetration firestop systems for each type of opening indicated from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics:
 - 1. Perform penetration firestopping system tests by a qualified testing agency acceptable to authorities having jurisdiction.
 - 2. Test in accordance with testing standards referenced in "Penetration Firestopping Systems" Article. Provide rated systems complying with the following requirements:
 - a. Penetration firestop systems installed with products bearing the classification marking of a qualified product certification agency in accordance with listed system designs published by a qualified testing agency.
 - 1) UL in its online directory "Product iQ."
 - 2) Intertek Group in its "Directory of Building Products."
 - 3) FM Approvals in its "Approval Guide."

2.3 PENETRATION FIRESTOPPING SYSTEMS

- A. Penetration Firestopping Systems: Systems that resist spread of fire, passage of smoke and other gases, and maintain original fire-resistance rating of construction penetrated. Penetration firestopping systems are to be compatible with one another, with the substrates forming openings, and with penetrating items if any.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. 3M Building and Construction
 - b. A/D Fire Protection Systems Inc
 - c. Balco; a CSW Industrials Company
 - d. Grabber Construction Products, Inc.
 - e. Hilti, Inc.
 - f. Tremco Incorporated

- B. Penetrations in Fire-Resistance-Rated Walls: Penetration firestopping systems with ratings determined in accordance with ASTM E814 or UL 1479.
 - 1. F-Rating: Not less than the fire-resistance rating of the wall penetrated.
 - 2. Membrane Penetrations: Install recessed fixtures such that the required fire resistance will not be reduced.
- C. Penetrations in Horizontal Assemblies: Penetration firestopping systems with ratings determined in accordance with ASTM E814 or UL 1479.
 - 1. F-Rating: At least one hour, but not less than the fire-resistance rating of the floor penetrated.
 - 2. T-Rating: At least one hour, but not less than the fire-resistance rating of the floor. The following floor penetrations do not require a T-rating:
 - a. Those within the cavity of a wall.
 - b. Floor, tub, or shower drains within a concealed space.
 - c. 4-inch or smaller metal conduit penetrating directly into metal-enclosed electrical switchgear.
 - 3. W-Rating: Provide penetration firestopping systems with a Class 1 W-rating in accordance with UL 1479.
- D. Accessories: Provide components for each penetration firestopping system that are needed to install fill materials and to maintain ratings required. Use only those components specified by penetration firestopping system manufacturer and approved by qualified testing and inspecting agency for conditions indicated.
 - 1. Permanent forming/damming/backing materials.
 - 2. Substrate primers.
 - 3. Collars.
 - 4. Steel sleeves.

2.4 MIXING

- A. Penetration Firestopping Materials: For those products requiring mixing before application, comply with penetration firestopping system manufacturer's written instructions for accurate proportioning of materials, water (if required), type of mixing equipment, selection of mixer speeds, mixing containers, mixing time, and other items or procedures needed to produce products of uniform quality with optimum performance characteristics for application indicated.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Surface Cleaning: Before installing penetration firestopping systems, clean out openings immediately to comply with manufacturer's written instructions and with the

following requirements:

1. Remove from surfaces of opening substrates and from penetrating items foreign materials that could interfere with adhesion of penetration firestopping materials.
 2. Clean opening substrates and penetrating items to produce clean, sound surfaces capable of developing optimum bond with penetration firestopping materials. Remove loose particles remaining from cleaning operation.
 3. Remove laitance and form-release agents from concrete.
- B. Prime substrates where recommended in writing by manufacturer using that manufacturer's recommended products and methods. Confine primers to areas of bond; do not allow spillage and migration onto exposed surfaces.

3.2 INSTALLATION OF PENETRATION FIRESTOPPING SYSTEMS

- A. General: Install penetration firestopping systems to comply with manufacturer's written installation instructions and published drawings for products and applications.
- B. Install forming materials and other accessories of types required to support fill materials during their application and in the position needed to produce cross-sectional shapes and depths required to achieve fire ratings.
1. After installing fill materials and allowing them to fully cure, remove combustible forming materials and other accessories not forming permanent components of firestopping.

3.3 IDENTIFICATION

- A. Wall Identification: Permanently label walls containing penetration firestopping systems with the words "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS," using lettering not less than 3 inches high and with minimum 0.375-inch strokes.
1. Locate in accessible concealed floor, floor-ceiling, or attic space at 15 feet from end of wall and at intervals not exceeding 30 feet.
- B. Penetration Identification: Identify each penetration firestopping system with legible metal or plastic labels. Attach labels permanently to surfaces adjacent to and within 6 inches of penetration firestopping system edge so labels are visible to anyone seeking to remove penetrating items or firestopping systems. Use mechanical fasteners or self-adhering-type labels with adhesives capable of permanently bonding labels to surfaces on which labels are placed. Include the following information on labels:
1. The words "Warning - Penetration Firestopping - Do Not Disturb. Notify Building Management of Any Damage."
 2. Contractor's name, address, and phone number.
 3. Designation of applicable testing and inspecting agency.
 4. Date of installation.
 5. Manufacturer's name.
 6. Installer's name.

3.4 FIELD QUALITY CONTROL

- A. Owner will engage a qualified testing agency to perform tests and inspections according to ASTM E2174.
- B. Where deficiencies are found or penetration firestopping system is damaged or removed because of testing, repair or replace penetration firestopping system to comply with requirements.
- C. Proceed with enclosing penetration firestopping systems with other construction only after inspection reports are issued and installations comply with requirements.

3.5 CLEANING AND PROTECTION

- A. Clean off excess fill materials adjacent to openings as the Work progresses by methods and with cleaning materials that are approved in writing by penetration firestopping system manufacturers and that do not damage materials in which openings occur.
- B. Provide final protection and maintain conditions during and after installation that ensure that penetration firestopping systems are without damage or deterioration at time of Substantial Completion. If, despite such protection, damage or deterioration occurs, immediately cut out and remove damaged or deteriorated penetration firestopping material and install new materials to produce systems complying with specified requirements.

END OF SECTION 078413

SECTION 079200 - JOINT SEALANTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Nonstaining silicone joint sealants.
2. Urethane joint sealants.
3. Immersible joint sealants.
4. Mildew-resistant joint sealants.
5. Butyl joint sealants.
6. Latex joint sealants.

1.2 ACTION SUBMITTALS

A. Product Data:

1. Joint sealants.
2. Joint-sealant backing materials.

B. Samples for Initial Selection: Manufacturer's standard color charts consisting of strips of cured sealants showing the full range of colors available for each product exposed to view.

C. Joint-Sealant Schedule: Include the following information:

1. Joint-sealant application, joint location, and designation.
2. Joint-sealant manufacturer and product name.
3. Joint-sealant formulation.
4. Joint-sealant color.

1.3 INFORMATIONAL SUBMITTALS

A. Field Quality-Control Reports: For field-adhesion-test reports, for each sealant application tested.

B. Sample warranties.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: Authorized representative who is trained and approved by manufacturer.

- B. Testing Agency Qualifications: Qualified in accordance with ASTM C1021 to conduct the testing indicated.

1.5 WARRANTY

- A. Special Installer's Warranty: Installer agrees to repair or replace joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.
 - 1. Warranty Period: Two years from date of Substantial Completion.
- B. Special Manufacturer's Warranty: Manufacturer agrees to furnish joint sealants to repair or replace those joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.
 - 1. Warranty Period: Five years from date of Substantial Completion.
- C. Special warranties specified in this article exclude deterioration or failure of joint sealants from the following:
 - 1. Movement of the structure caused by stresses on the sealant exceeding sealant manufacturer's written specifications for sealant elongation and compression.
 - 2. Disintegration of joint substrates from causes exceeding design specifications.
 - 3. Mechanical damage caused by individuals, tools, or other outside agents.
 - 4. Changes in sealant appearance caused by accumulation of dirt or other atmospheric contaminants.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain joint sealants from single manufacturer for each sealant type.

2.2 JOINT SEALANTS, GENERAL

- A. Compatibility: Provide joint sealants, backings, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by joint-sealant manufacturer, based on testing and field experience.
- B. Colors of Exposed Joint Sealants: As selected by Architect from manufacturer's full range.

2.3 NONSTAINING SILICONE JOINT SEALANTS

- A. Nonstaining Joint Sealants: No staining of substrates when tested in accordance with ASTM C1248.
- B. Silicone, Nonstaining, S, NS, 50, NT: Nonstaining, single-component, nonsag, plus 50 percent and minus 50 percent movement capability, nontraffic-use, neutral-curing silicone joint sealant; ASTM C920, Type S, Grade NS, Class 50, Use NT.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Adfast
 - b. GE Construction Sealants; Momentive Performance Materials Inc.
 - c. Pecora Corporation
 - d. The Dow Chemical Company
 - e. Tremco Incorporated

2.4 URETHANE JOINT SEALANTS

- A. Urethane, S, NS, 25, NT: Single-component, nonsag, plus 25 percent and minus 25 percent movement capability, nontraffic-use, urethane joint sealant; ASTM C920, Type S, Grade NS, Class 25, Use NT.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Adfast
 - b. Bostik; Arkema
 - c. Everkem Diversified Products, Inc.
 - d. Master Builders Solutions
 - e. Pecora Corporation
 - f. Permathane; ITW Polymer Sealants North America
 - g. Polymeric Systems, Inc
 - h. Sherwin-Williams Company (The)
 - i. Tremco Incorporated
- B. Urethane, S, P, 25, T, NT: Single-component, pourable, plus 25 percent and minus 25 percent movement capability, traffic- and nontraffic-use, urethane joint sealant; ASTM C920, Type S, Grade P, Class 25, Uses T and NT.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Master Builders Solutions
 - b. Pecora Corporation
 - c. Polymeric Systems, Inc
 - d. Sherwin-Williams Company (The)

- C. Urethane, M, P, 50, T, NT: Multicomponent, pourable, plus 50 percent and minus 50 percent movement capability, traffic- and nontraffic-use, urethane joint sealant; ASTM C920, Type M, Grade P, Class 50, Uses T and NT.
 - 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - a. LymTal International, Inc.

2.5 IMMERSIBLE JOINT SEALANTS

- A. Immersible Joint Sealants: Suitable for immersion in liquids; ASTM C1247, Class 1; tested in deionized water unless otherwise indicated.
- B. Urethane, Immersible, S, P, 25, T, NT, I: Immersible, single-component, pourable, plus 25 percent and minus 25 percent movement capability, traffic- and nontraffic-use, urethane joint sealant; ASTM C920, Type S, Grade P, Class 25, Uses T, NT, and I.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Tremco Incorporated
 - b. W. R. Meadows, Inc

2.6 MILDEW-RESISTANT JOINT SEALANTS

- A. Mildew-Resistant Joint Sealants: Formulated for prolonged exposure to humidity with fungicide to prevent mold and mildew growth.
- B. Silicone, Mildew Resistant, Acid Curing, S, NS, 25, NT: Mildew-resistant, single-component, nonsag, plus 25 percent and minus 25 percent movement capability, nontraffic-use, acid-curing silicone joint sealant; ASTM C920, Type S, Grade NS, Class 25, Use NT.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Adfast
 - b. GE Construction Sealants; Momentive Performance Materials Inc.
 - c. Pecora Corporation
 - d. Soudal USA
 - e. The Dow Chemical Company
 - f. Tremco Incorporated

2.7 BUTYL JOINT SEALANTS

A. Butyl-Rubber-Based Joint Sealants: ASTM C1311.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Bostik; Arkema
 - b. Everkem Diversified Products, Inc.
 - c. GSSI Sealants
 - d. Pecora Corporation

2.8 LATEX JOINT SEALANTS

A. Acrylic Latex: Acrylic latex or siliconized acrylic latex, ASTM C834, Type OP, Grade NF.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Adfast
 - b. Everkem Diversified Products, Inc.
 - c. Franklin International
 - d. Pecora Corporation
 - e. Sherwin-Williams Company (The)
 - f. Tremco Incorporated

2.9 JOINT-SEALANT BACKING

- A. Cylindrical Sealant Backings: ASTM C1330, Type C (closed-cell material with a surface skin), and of size and density to control sealant depth and otherwise contribute to producing optimum sealant performance.
- B. Bond-Breaker Tape: Polyethylene tape or other plastic tape recommended by sealant manufacturer for preventing sealant from adhering to rigid, inflexible joint-filler materials or joint surfaces at back of joint. Provide self-adhesive tape where applicable.

2.10 MISCELLANEOUS MATERIALS

- A. Primer: Material recommended by joint-sealant manufacturer where required for adhesion of sealant to joint substrates indicated, as determined from preconstruction joint-sealant-substrate tests and field tests.
- B. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturers of sealants and sealant backing materials, free of oily residues or other substances capable of staining or harming joint substrates and adjacent nonporous surfaces in any

way, and formulated to promote optimum adhesion of sealants to joint substrates.

- C. Masking Tape: Nonstaining, nonabsorbent material compatible with joint sealants and surfaces adjacent to joints.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint-sealant manufacturer's written instructions and the following requirements:
 - 1. Remove all foreign material from joint substrates that could interfere with adhesion of joint sealant, including dust, paints (except for permanent, protective coatings tested and approved for sealant adhesion and compatibility by sealant manufacturer), old joint sealants, oil, grease, waterproofing, water repellents, water, surface dirt, and frost.
 - 2. Clean porous joint substrate surfaces by brushing, grinding, mechanical abrading, or a combination of these methods to produce a clean, sound substrate capable of developing optimum bond with joint sealants. Remove loose particles remaining after cleaning operations above by vacuuming or blowing out joints with oil-free compressed air. Porous joint substrates include the following:
 - a. Concrete.
 - b. Masonry.
 - c. Unglazed surfaces of ceramic tile.
 - d. Exterior insulation and finish systems.
 - 3. Remove laitance and form-release agents from concrete.
 - 4. Clean nonporous joint substrate surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues capable of interfering with adhesion of joint sealants. Nonporous joint substrates include the following:
 - a. Metal.
 - b. Glass.
 - c. Porcelain enamel.
 - d. Glazed surfaces of ceramic tile.
- B. Joint Priming: Prime joint substrates where recommended by joint-sealant manufacturer or as indicated by preconstruction joint-sealant-substrate tests or prior experience. Apply primer to comply with joint-sealant manufacturer's written instructions. Confine primers to areas of joint-sealant bond; do not allow spillage or migration onto adjoining surfaces.
- C. Masking Tape: Use masking tape where required to prevent contact of sealant or primer with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears.

Remove tape immediately after tooling without disturbing joint seal.

3.2 INSTALLATION OF JOINT SEALANTS

- A. General: Comply with joint-sealant manufacturer's written installation instructions for products and applications indicated, unless more stringent requirements apply.
- B. Sealant Installation Standard: Comply with recommendations in ASTM C1193 for use of joint sealants as applicable to materials, applications, and conditions indicated.
- C. Install sealant backings of type indicated to support sealants during application and at position required to produce cross-sectional shapes and depths of installed sealants relative to joint widths that allow optimum sealant movement capability.
 - 1. Do not leave gaps between ends of sealant backings.
 - 2. Do not stretch, twist, puncture, or tear sealant backings.
 - 3. Remove absorbent sealant backings that have become wet before sealant application, and replace them with dry materials.
- D. Install bond-breaker tape behind sealants where sealant backings are not used between sealants and backs of joints.
- E. Install sealants using proven techniques that comply with the following and at the same time backings are installed:
 - 1. Place sealants so they directly contact and fully wet joint substrates.
 - 2. Completely fill recesses in each joint configuration.
 - 3. Produce uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.
- F. Tooling of Nonsag Sealants: Immediately after sealant application and before skinning or curing begins, tool sealants according to requirements specified in subparagraphs below to form smooth, uniform beads of configuration indicated; to eliminate air pockets; and to ensure contact and adhesion of sealant with sides of joint.
 - 1. Remove excess sealant from surfaces adjacent to joints.
 - 2. Use tooling agents that are approved in writing by sealant manufacturer and that do not discolor sealants or adjacent surfaces.
 - 3. Provide concave joint profile in accordance with Figure 8A in ASTM C1193 unless otherwise indicated.
 - 4. Provide flush joint profile at locations indicated on Drawings in accordance with Figure 8B in ASTM C1193.
 - 5. Provide recessed joint configuration of recess depth and at locations indicated on Drawings in accordance with Figure 8C in ASTM C1193.
 - a. Use masking tape to protect surfaces adjacent to recessed tooled joints.

3.3 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections.
- B. Tests and Inspections:
 - 1. Field-Adhesion Testing: Field test joint-sealant adhesion to joint substrates as follows:
 - a. Extent of Testing: Test completed and cured sealant joints as follows:
 - 1) Perform one test for each 1000 ft. of joint length thereafter or one test per each floor per elevation.
 - b. Test Method: Test joint sealants in accordance with Method A, Tail Procedure, in ASTM C1521.
 - 1) For joints with dissimilar substrates, verify adhesion to each substrate separately; extend cut along one side, verifying adhesion to opposite side. Repeat procedure for opposite side.
 - c. Inspect tested joints and report on the following:
 - 1) Whether sealants filled joint cavities and are free of voids.
 - 2) Whether sealant dimensions and configurations comply with specified requirements.
 - 3) Whether sealants in joints connected to pulled-out portion failed to adhere to joint substrates or tore cohesively. Include data on pull distance used to test each kind of product and joint substrate. Compare these results to determine if adhesion complies with sealant manufacturer's field-adhesion hand-pull test criteria.
 - d. Record test results in a field-adhesion-test log. Include dates when sealants were installed, names of persons who installed sealants, test dates, test locations, whether joints were primed, adhesion results and percent elongations, sealant material, sealant configuration, and sealant dimensions.
 - e. Repair sealants pulled from test area by applying new sealants following same procedures used originally to seal joints. Ensure that original sealant surfaces are clean and that new sealant contacts original sealant.
 - 2. Evaluation of Field-Adhesion-Test Results: Sealants not evidencing adhesive failure from testing or noncompliance with other indicated requirements will be considered satisfactory. Remove sealants that fail to adhere to joint substrates during testing or to comply with other requirements. Retest failed applications until test results prove sealants comply with indicated requirements.
- C. Prepare test and inspection reports.

Bid Set
May 22, 2023

Staybridge Suites
Springfield, Missouri

END OF SECTION 079200

SECTION 079219 - ACOUSTICAL JOINT SEALANTS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Acoustical joint sealants.

1.2 ACTION SUBMITTALS

- A. Product Data:
 - 1. Acoustical joint sealants.
- B. Samples for Initial Selection: Manufacturer's color charts consisting of strips of cured sealants, showing full range of available colors for each product exposed to view.
- C. Acoustical Joint-Sealant Schedule: Include the following information:
 - 1. Joint-sealant application, joint location, and designation.
 - 2. Joint-sealant manufacturer and product name.
 - 3. Joint-sealant formulation.
 - 4. Joint-sealant color.

1.3 INFORMATIONAL SUBMITTALS

- A. Test and Evaluation Reports:
 - 1. Product Test Reports: For each type of acoustical joint sealant, for tests performed by qualified testing agency.
- B. Sample warranties.

1.4 WARRANTY

- A. Installer's Special Warranty: Installer agrees to repair or replace acoustical joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.
 - 1. Warranty Period: Two years from date of Substantial Completion.
- B. Manufacturer's Special Warranty: Manufacturer agrees to furnish acoustical joint sealants to repair or replace those joint sealants that do not comply with performance

and other requirements specified in this Section within specified warranty period.

1. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 ACOUSTICAL JOINT SEALANTS

- A. Acoustical joint-sealant products that effectively reduce airborne sound transmission through perimeter joints and openings in building construction, as demonstrated by testing representative assemblies in accordance with ASTM E90.
- B. Acoustical Sealant for Exposed and Concealed Joints: Manufacturer's standard nonsag, paintable, nonstaining latex acoustical sealant complying with ASTM C834.
 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. GE Construction Sealants; Momenite Performance Materials Inc.
 - b. Grabber Construction Products, Inc.
 - c. Hilti, Inc.
 2. Colors of Exposed Acoustical Joint Sealants: As selected by Architect from manufacturer's full range of colors.

2.2 MISCELLANEOUS MATERIALS

- A. Primer: Material recommended by acoustical joint-sealant manufacturer where required for adhesion of sealant to joint substrates.
- B. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturers of sealants and sealant backing materials, free of oily residues or other substances capable of staining or harming joint substrates and adjacent nonporous surfaces in any way, and formulated to promote optimum adhesion of sealants to joint substrates.
- C. Masking Tape: Nonstaining, nonabsorbent material compatible with joint sealants and surfaces adjacent to joints.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Surface Cleaning of Joints: Clean out joints immediately before installing acoustical joint sealants to comply with joint-sealant manufacturer's written instructions.
- B. Joint Priming: Prime joint substrates where recommended by acoustical joint-sealant

manufacturer. Apply primer to comply with joint-sealant manufacturer's written instructions. Confine primers to areas of joint-sealant bond; do not allow spillage or migration onto adjoining surfaces.

- C. Masking Tape: Use masking tape where required to prevent contact of sealant or primer with adjoining surfaces that otherwise would be permanently stained or damaged by such contact or by cleaning methods required to remove sealant smears. Remove tape immediately after tooling without disturbing joint seal.

3.2 INSTALLATION OF ACOUSTICAL JOINT SEALANTS

- A. Comply with acoustical joint-sealant manufacturer's written installation instructions unless more stringent requirements apply.
- B. STC-Rated Assemblies: Seal construction at perimeters, behind control joints, and at openings and penetrations with a continuous bead of acoustical joint sealant. Install acoustical joint sealants at both faces of partitions, at perimeters, and through penetrations. Comply with ASTM C919, ASTM C1193, and manufacturer's written instructions for closing off sound-flanking paths around or through assemblies, including sealing partitions to underside of floor slabs above acoustical ceilings.
- C. Acoustical Ceiling Areas: Apply acoustical joint sealant at perimeter edge moldings of acoustical ceiling areas in a continuous ribbon concealed on back of vertical legs of moldings before they are installed.

3.3 CLEANING

- A. Clean off excess sealant or sealant smears adjacent to joints as the Work progresses by methods and with cleaning materials approved in writing by manufacturers of acoustical joint sealants and of products in which joints occur.

3.4 PROTECTION

- A. Protect acoustical joint sealants during and after curing period from contact with contaminating substances and from damage resulting from construction operations or other causes so sealants are without deterioration or damage at time of Substantial Completion. If, despite such protection, damage or deterioration occurs, cut out, remove, and repair damaged or deteriorated acoustical joint sealants immediately so installations with repaired areas are indistinguishable from original work.

END OF SECTION 079219

SECTION 081113 - HOLLOW METAL DOORS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Interior standard steel doors and frames.
 - 2. Exterior standard steel doors and frames.

1.2 ACTION SUBMITTALS

- A. Product Data:
 - 1. Interior standard steel doors and frames.
 - 2. Exterior standard steel doors and frames.
- B. Product Data Submittals: For each product.
 - 1. Include construction details, material descriptions, core descriptions, fire-resistance ratings,, temperature-rise ratings, and finishes.
- C. Shop Drawings: Include the following:
 - 1. Elevations of each door type.
 - 2. Details of doors, including vertical- and horizontal-edge details and metal thicknesses.
 - 3. Frame details for each frame type, including dimensioned profiles and metal thicknesses.
 - 4. Locations of reinforcement and preparations for hardware.
 - 5. Details of each different wall opening condition.
 - 6. Details of electrical raceway and preparation for electrified hardware, access control systems, and security systems.
 - 7. Details of anchorages, joints, field splices, and connections.
 - 8. Details of accessories.
 - 9. Details of moldings, removable stops, and glazing.
- D. Product Schedule: For hollow-metal doors and frames, prepared by or under the supervision of supplier, using same reference numbers for details and openings as those on Drawings. Coordinate with final door hardware schedule.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For door inspector.

1. Fire-Rated Door Inspector: Submit documentation of compliance with NFPA 80, Section 5.2.3.1.
 2. Egress Door Inspector: Submit documentation of compliance with NFPA 101, Section 7.2.1.15.4.
 3. Submit copy of DHI Fire and Egress Door Assembly Inspector (FDAI) certificate.
- B. Product Test Reports: For each type of fire-rated hollow-metal door and frame assembly for tests performed by a qualified testing agency indicating compliance with performance requirements.
- C. Oversize Construction Certification: For assemblies required to be fire-rated and exceeding limitations of labeled assemblies.
- D. Field quality-control reports.

1.4 QUALITY ASSURANCE

- A. Fire-Rated Door Inspector Qualifications: Inspector for field quality-control inspections of fire-rated door assemblies is to meet the qualifications set forth in NFPA 80, Section 5.2.3.1 and the following:
1. Door and Hardware Institute Fire and Egress Door Assembly Inspector (FDAI) certification.
- B. Egress Door Inspector Qualifications: Inspector for field quality-control inspections of egress door assemblies is to meet the qualifications set forth in NFPA 101, Section 7.2.1.15.4 and the following:
1. Door and Hardware Institute Fire and Egress Door Assembly Inspector (FDAI) certification.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver hollow-metal doors and frames palletized, packaged, or crated to provide protection during transit and Project-site storage. Do not use nonvented plastic.
1. Provide additional protection to prevent damage to factory-finished units.
- B. Deliver welded frames with two removable spreader bars across bottom of frames, tack welded to jambs and mullions.
- C. Store hollow-metal doors and frames vertically under cover at Project site with head up. Place on minimum 4-inch- high wood blocking. Provide minimum 1/4-inch space between each stacked door to permit air circulation.

PART 2 - PRODUCTS

2.1 HOLLOW METAL DOORS AND FRAMES

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. Ceco Door; AADG, Inc.; ASSA ABLOY
 2. Curries, AADG, Inc.; ASSA ABLOY Group
 3. Deansteel Manufacturing Company, Inc.
 4. MPI Group, LLC (The)
 5. National Custom Hollow Metal Doors & Frames
 6. Republic Doors and Frames; a Allegion brand
 7. Steelcraft; Allegion plc

2.2 PERFORMANCE REQUIREMENTS

- A. Fire-Rated Door Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a qualified testing agency acceptable to authorities having jurisdiction for fire-protection ratings and temperature-rise limits indicated on Drawings, based on testing at positive pressure in accordance with NFPA 252 or UL 10C.
1. Smoke- and Draft-Control Door Assemblies: Listed and labeled for smoke and draft control by a qualified testing agency acceptable to authorities having jurisdiction, based on testing in accordance with UL 1784 and installed in compliance with NFPA 105.
 2. Oversize Fire-Rated Door Assemblies: For units exceeding sizes of tested assemblies, provide certification by a qualified testing agency that doors comply with standard construction requirements for tested and labeled fire-rated door assemblies except for size.
 3. Temperature-Rise Limit: At vertical exit enclosures and exit passageways, provide doors that have a maximum transmitted temperature end point of not more than 450 deg F above ambient after 30 minutes of standard fire-test exposure.
- B. Fire-Rated, Borrowed-Lite Assemblies: Assemblies complying with NFPA 80 and listed and labeled by a qualified testing agency acceptable to authorities having jurisdiction, for fire-protection ratings indicated, based on testing in accordance with NFPA 257 or UL 9.
- C. Thermally Rated Door Assemblies: Provide door assemblies with U-factor of not more than 0.50 deg Btu/F x h x sq. ft. when tested in accordance with ASTM C1363 or ASTM E1423.

2.3 INTERIOR STANDARD STEEL DOORS AND FRAMES

- A. Construct hollow-metal doors and frames to comply with standards indicated for materials, fabrication, hardware locations, hardware reinforcement, tolerances, and

clearances, and as specified.

B. Heavy-Duty Doors and Frames: ANSI/SDI A250.8, Level 2; ANSI/SDI A250.4, Level B.

1. Doors:

- a. Type: As indicated in the Door and Frame Schedule on Drawings.
- b. Thickness: 1-3/4 inches.
- c. Face: Uncoated steel sheet, minimum thickness of 0.042 inch.
- d. Edge Construction: Model 2, Seamless.
- e. Edge Bevel: Bevel lock and hinge edges 1/8 inch in 2 inches.
- f. Core: Manufacturer's standard.
- g. Fire-Rated Core: Manufacturer's standard laminated mineral board core for fire-rated and temperature-rise-rated doors.

2. Frames:

- a. Materials: Uncoated steel sheet, minimum thickness of 0.053 inch.
- b. Sidelite and Transom Frames: Fabricated from same thickness material as adjacent door frame.
- c. Construction: Full profile welded.

3. Exposed Finish: Prime and painted.

2.4 EXTERIOR STANDARD STEEL DOORS AND FRAMES

A. Construct hollow-metal doors and frames to comply with standards indicated for materials, fabrication, hardware locations, hardware reinforcement, tolerances, and clearances, and as specified.

B. Refer to Appendix – Staybridge Suites Brand Design specifications for color selections.

C. Extra-Heavy-Duty Doors and Frames: ANSI/SDI A250.8, Level 3; ANSI/SDI A250.4, Level A.

1. Doors:

- a. Type: As indicated in the Door and Frame Schedule on Drawings.
- b. Thickness: 1-3/4 inches.
- c. Face: Metallic-coated steel sheet, minimum thickness of 0.053 inch, with minimum A60 coating.
- d. Edge Construction: Model 2, Seamless.
- e. Edge Bevel: Bevel lock and hinge edges 1/8 inch in 2 inches.
- f. Top Edge Closures: Close top edges of doors with flush closures of same material as face sheets. Seal joints against water penetration.
- g. Bottom Edges: Close bottom edges of doors where required for attachment of weather stripping with end closures or channels of same material as face sheets. Provide weep-hole openings in bottoms of exterior doors to permit

- moisture to escape.
- h. Core: Polyurethane.
- i. Fire-Rated Core: Manufacturer's standard vertical steel stiffener with insulation core for fire-rated doors.

2. Frames:

- a. Materials: Metallic-coated steel sheet, minimum thickness of 0.053 inch, with minimum A60 coating.
- b. Construction: Full profile welded.

3. Exposed Finish: Refer to Appendix – Staybridge Suites Brand Design specifications for color selections.

2.5 FRAME ANCHORS

A. Jamb Anchors:

- 1. Type: Anchors of minimum size and type required by applicable door and frame standard, and suitable for performance level indicated.
- 2. Quantity: Minimum of three anchors per jamb, with one additional anchor for frames with no floor anchor. Provide one additional anchor for each 24 inches of frame height above 7 feet.
- 3. Postinstalled Expansion Anchor: Minimum 3/8-inch- diameter bolts with expansion shields or inserts, with manufacturer's standard pipe spacer.

B. Floor Anchors: Provide floor anchors for each jamb and mullion that extends to floor.

C. Floor Anchors for Concrete Slabs with Underlayment: Adjustable-type anchors with extension clips, allowing not less than 2-inch height adjustment. Terminate bottom of frames at top of underlayment.

D. Material: ASTM A879/A879M, Commercial Steel (CS), 04Z coating designation; mill phosphatized.

- 1. For anchors built into exterior walls, steel sheet complying with ASTM A1008/A1008M or ASTM A1011/A1011M; hot-dip galvanized in accordance with ASTM A153/A153M, Class B.

2.6 MATERIALS

A. Cold-Rolled Steel Sheet: ASTM A1008/A1008M, Commercial Steel (CS), Type B; suitable for exposed applications.

B. Hot-Rolled Steel Sheet: ASTM A1011/A1011M, Commercial Steel (CS), Type B; free of scale, pitting, or surface defects; pickled and oiled.

C. Metallic-Coated Steel Sheet: ASTM A653/A653M, Commercial Steel (CS), Type B.

- D. Inserts, Bolts, and Fasteners: Hot-dip galvanized in accordance with ASTM A153/A153M.
- E. Power-Actuated Fasteners in Concrete: Fastener system of type suitable for application indicated, fabricated from corrosion-resistant materials, with clips or other accessory devices for attaching hollow-metal frames of type indicated.
- F. Mineral-Fiber Insulation: ASTM C665, Type I (blankets without membrane facing); consisting of fibers manufactured from slag or rock wool; with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively; passing ASTM E136 for combustion characteristics.
- G. Glazing: Comply with requirements in Section 088000 "Glazing."

2.7 FABRICATION

- A. Door Astragals: Provide overlapping astragal on one leaf of pairs of doors where required by NFPA 80 for fire-performance rating or where indicated. Extend minimum 3/4 inch beyond edge of door on which astragal is mounted or as required to comply with published listing of qualified testing agency.
- B. Hollow-Metal Frames: Fabricate in one piece except where handling and shipping limitations require multiple sections. Where frames are fabricated in sections, provide alignment plates or angles at each joint, fabricated of metal of same or greater thickness as frames.
 - 1. Sidelite and Transom Bar Frames: Provide closed tubular members with no visible face seams or joints, fabricated from same material as door frame. Fasten members at crossings and to jambs by welding.
 - 2. Provide countersunk, flat- or oval-head exposed screws and bolts for exposed fasteners unless otherwise indicated.
 - 3. Door Silencers: Except on weather-stripped frames, drill stops to receive door silencers as follows. Keep holes clear during construction.
 - a. Single-Door Frames: Drill stop in strike jamb to receive three door silencers.
 - b. Double-Door Frames: Drill stop in head jamb to receive two door silencers.
- C. Hardware Preparation: Factory prepare hollow-metal doors and frames to receive templated mortised hardware, and electrical wiring; include cutouts, reinforcement, mortising, drilling, and tapping in accordance with ANSI/SDI A250.6, the Door Hardware Schedule on Drawings, and templates.
 - 1. Reinforce doors and frames to receive nontemplated, mortised, and surface-mounted door hardware.
 - 2. Comply with BHMA A156.115 for preparing hollow-metal doors and frames for hardware.
- D. Glazed Lites: Provide stops and moldings around glazed lites where indicated. Form corners of stops and moldings with butted, or, mitered hairline joints.

1. Provide stops and moldings flush with face of door, and with beveled stops unless otherwise indicated.
2. Multiple Glazed Lites: Provide fixed and removable stops and moldings so that each glazed lite is capable of being removed independently.
3. Provide fixed frame moldings on outside of exterior and on secure side of interior doors and frames. Provide loose stops and moldings on inside of hollow-metal doors and frames.
4. Coordinate rabbet width between fixed and removable stops with glazing and installation types indicated.
5. Provide stops for installation with countersunk flat- or oval-head machine screws spaced uniformly not more than 9 inches o.c. and not more than 2 inches o.c. from each corner.

2.8 STEEL FINISHES

- A. Prime Finish for Interior Doors: Clean, pretreat, and apply manufacturer's standard primer.
 1. Shop Primer: Manufacturer's standard, fast-curing, lead- and chromate-free primer complying with ANSI/SDI A250.10; recommended by primer manufacturer for substrate; compatible with substrate and field-applied coatings despite prolonged exposure.
- B. Factory Finish for Exterior Doors: Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Remove welded-in shipping spreaders installed at factory. Restore exposed finish by grinding, filling, and dressing, as required to make repaired area smooth, flush, and invisible on exposed faces. Touch up factory-applied finishes where spreaders are removed.
- B. Drill and tap doors and frames to receive nontemplated, mortised, and surface-mounted door hardware.

3.2 INSTALLATION

- A. Install hollow-metal doors and frames plumb, rigid, properly aligned, and securely fastened in place. Comply with approved Shop Drawings and with manufacturer's written instructions.
- B. Hollow-Metal Frames: Comply with ANSI/SDI A250.11.
 1. Set frames accurately in position; plumbed, aligned, and braced securely until

permanent anchors are set. After wall construction is complete, remove temporary braces without damage to completed Work.

- a. Where frames are fabricated in sections, field splice at approved locations by welding face joint continuously; grind, fill, dress, and make splice smooth, flush, and invisible on exposed faces. Touch-up finishes.
 - b. Install frames with removable stops located on secure side of opening.
2. Fire-Rated Openings: Install frames in accordance with NFPA 80.
 3. Floor Anchors: Secure with postinstalled expansion anchors.
 - a. Floor anchors may be set with power-actuated fasteners instead of postinstalled expansion anchors if so indicated and approved on Shop Drawings.
 4. Solidly pack mineral-fiber insulation inside frames.
 5. Masonry Walls: Coordinate installation of frames to allow for solidly filling space between frames and masonry with grout or mortar.
 6. Installation Tolerances: Adjust hollow-metal frames to the following tolerances:
 - a. Squareness: Plus or minus 1/16 inch, measured at door rabbet on a line 90 degrees from jamb perpendicular to frame head.
 - b. Alignment: Plus or minus 1/16 inch, measured at jambs on a horizontal line parallel to plane of wall.
 - c. Twist: Plus or minus 1/16 inch, measured at opposite face corners of jambs on parallel lines, and perpendicular to plane of wall.
 - d. Plumbness: Plus or minus 1/16 inch, measured at jambs at floor.
- C. Hollow-Metal Doors: Fit and adjust hollow-metal doors accurately in frames, within clearances specified below.
1. Non-Fire-Rated Steel Doors: Comply with ANSI/SDI A250.8.
 2. Fire-Rated Doors: Install doors with clearances in accordance with NFPA 80.
 3. Smoke-Control Doors: Install doors in accordance with NFPA 105.
- D. Glazing: Comply with installation requirements in Section 088000 "Glazing" and with hollow-metal manufacturer's written instructions.

3.3 FIELD QUALITY CONTROL

- A. Inspection Agency: Engage a qualified inspector to perform inspections and to furnish reports to Architect.
- B. Inspections:
1. Fire-Rated Door Inspections: Inspect each fire-rated door in accordance with NFPA 80, Section 5.2.
 2. Egress Door Inspections: Inspect each door equipped with panic hardware, each door equipped with fire exit hardware, each door located in an exit enclosure, each electrically controlled egress door, and each door equipped with special

locking arrangements in accordance with NFPA 101, Section 7.2.1.15.

- C. Repair or remove and replace installations where inspections indicate that they do not comply with specified requirements.
- D. Reinspect repaired or replaced installations to determine if replaced or repaired door assembly installations comply with specified requirements.
- E. Prepare and submit separate inspection report for each fire-rated door assembly indicating compliance with each item listed in NFPA 80, and, NFPA 101.

3.4 REPAIR

- A. Prime-Coat Touchup: Immediately after erection, sand smooth rusted or damaged areas of prime coat and apply touchup of compatible air-drying, rust-inhibitive primer.
- B. Metallic-Coated Surface Touchup: Clean abraded areas and repair with galvanizing repair paint in accordance with manufacturer's written instructions.

END OF SECTION 081113

SECTION 081416 - FLUSH WOOD DOORS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Solid-core five-ply flush wood doors for opaque finish.
2. Light frames and louvers.

1.2 ACTION SUBMITTALS

A. Product Data:

1. Solid-core five-ply flush wood veneer-faced doors for transparent finish.
2. Solid-core five-ply flush wood doors for opaque finish.
3. Light frames and louvers.

B. Product Data Submittals: For each product, including the following:

1. Door core materials and construction.
2. Door edge construction
3. Door face type and characteristics.
4. Door louvers.
5. Door trim for openings.
6. Factory-machining criteria.
7. Factory-finishing specifications.

C. Shop Drawings: Indicate location, size, and hand of each door; elevation of each type of door; construction details not covered in Product Data; and the following:

1. Door schedule indicating door location, type, size, fire protection rating, and swing.
2. Door elevations, dimension and locations of hardware, lite and louver cutouts, and glazing thicknesses.
3. Details of frame for each frame type, including dimensions and profile.
4. Details of electrical raceway and preparation for electrified hardware, access control systems, and security systems.
5. Dimensions and locations of blocking for hardware attachment.
6. Dimensions and locations of mortises and holes for hardware.
7. Clearances and undercuts.
8. Requirements for veneer matching.
9. Doors to be factory finished and application requirements.
10. Apply AWI Quality Certification Program label to Shop Drawings.

D. Samples for Initial Selection: For factory-finished doors.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For door inspector.
 - 1. Fire-Rated Door Inspector: Submit documentation of compliance with NFPA 80, Section 5.2.3.1.
 - 2. Egress Door Inspector: Submit documentation of compliance with NFPA 101, Section 7.2.1.15.4.
 - 3. Submit copy of DHI's Fire and Egress Door Assembly Inspector (FDAI) certificate.
- B. Field quality-control reports.
- C. Sample Warranty: For special warranty.

1.4 QUALITY ASSURANCE

- A. Manufacturer's Certification: Licensed participant in AWI's Quality Certification Program.
- B. Fire-Rated Door Inspector Qualifications: Inspector for field quality-control inspections of fire-rated door assemblies complies with qualifications set forth in NFPA 80, Section 5.2.3.1 and the following:
 - 1. DHI's Fire and Egress Door Assembly Inspector (FDAI) certification.
- C. Egress Door Inspector Qualifications: Inspector for field quality-control inspections of egress door assemblies complies with qualifications set forth in NFPA 101, Section 7.2.1.15.4 and the following:
 - 1. DHI's Fire and Egress Door Assembly Inspector (FDAI) certification.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Comply with requirements of referenced standard and manufacturer's written instructions.
- B. Package doors individually in plastic bags or cardboard cartons.
- C. Mark each door on bottom rail with opening number used on Shop Drawings.

1.6 FIELD CONDITIONS

- A. Environmental Limitations:
 - 1. Do not deliver or install doors until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, and HVAC system is operating and maintaining temperature and relative humidity at levels designed for building

- occupants for the remainder of construction period.
2. Do not deliver or install doors until building is enclosed and weathertight, wet work is complete, and HVAC system is operating and maintaining temperature between 60 and 90 deg F and relative humidity between 25 and 55 percent during remainder of construction period.

1.7 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace doors that fail in materials or workmanship within specified warranty period.
 1. Failures include, but are not limited to, the following:
 - a. Delamination of veneer.
 - b. Warping (bow, cup, or twist) more than 1/4 inch in a 42-by-84-inch section.
 - c. Telegraphing of core construction in face veneers exceeding 0.01 inch in a 3-inch span.
 2. Warranty also includes installation and finishing that may be required due to repair or replacement of defective doors.
 3. Warranty Period for Solid-Core Interior Doors: Life of installation.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain flush wood doors from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. Fire-Rated Wood Door and Frame Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a qualified testing agency acceptable to authorities having jurisdiction, for fire-protection ratings and temperature-rise limits indicated on Drawings, based on testing at positive pressure in accordance with UL 10C, or, NFPA 252.
 1. Oversize Fire-Rated Door Assemblies: For units exceeding sizes of tested assemblies, provide certification by a qualified testing agency that doors comply with standard construction requirements for tested and labeled fire-rated door assemblies except for size.
 2. Temperature-Rise Limit: At vertical exit enclosures and exit passageways, provide doors that have a maximum transmitted temperature end point of not more than 450 deg F above ambient after 30 minutes of standard fire-test exposure.
- B. Smoke- and Draft-Control Door Assemblies: Listed and labeled for smoke and draft control by a qualified testing agency acceptable to authorities having jurisdiction,

based on testing in accordance with UL 1784 and installed in compliance with NFPA 105.

2.3 FLUSH WOOD DOORS AND FRAMES, GENERAL

- A. Quality Standard: In addition to requirements specified, comply with AWI/AWMAC/WI's "Architectural Woodwork Standards."

1. Provide labels, and, certificates from AWI certification program indicating that doors comply with requirements of grades specified.

2.4 SOLID-CORE FIVE-PLY FLUSH WOOD DOORS AND TRANSOM PANELS FOR OPAQUE FINISH

- A. Interior Doors, Solid-Core Five-Ply for Opaque Finish:

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Lambton Doors
 - b. Lynden Door, Inc.
 - c. Masonite Architectural
 - d. Oregon Door
 - e. Oshkosh Door Company
 - f. VT Industries, Inc.
2. Performance Grade: ANSI/WDMA I.S. 1A Heavy Duty.
3. Architectural Woodwork Standards Quality Grade: Custom.
4. Faces: Hardboard or MDF.
 - a. Apply MDO to standard-thickness, closed-grain, hardwood face veneers.
 - b. Hardboard Faces: ANSI A135.4, Class 1 (tempered) or Class 2 (standard).
 - c. MDF Faces: ANSI A208.2, Grade 150 or Grade 160.
5. Exposed Vertical and Top Edges: Any closed-grain hardwood.
 - a. Fire-Rated Single Doors: Provide edge construction with intumescent seals concealed by outer stile. Comply with specified requirements for exposed vertical edges.
 - b. Fire-Rated Pairs of Doors:
 - 1) Provide fire-retardant stiles that are listed and labeled for applications indicated without formed-steel edges and astragals. Provide stiles with concealed intumescent seals. Comply with specified requirements for exposed edges.
 - 2) Provide formed-steel edges and astragals with intumescent seals.
 - a) Finish steel edges and astragals with baked enamel same color as doors.

- b) Finish steel edges and astragals to match door hardware (locksets or exit devices).
 - c. Mineral-Core Doors: At hinge stiles, provide laminated-edge construction with improved screw-holding capability and split resistance. Comply with specified requirements for exposed edges.
 - 1) Screw-Holding Capability: 550 lbf in accordance with WDMA T.M. 10.
- 6. Core for Non-Fire-Rated Doors:
 - a. ANSI A208.1, Grade LD-1 particleboard.
 - 1) Blocking: Provide wood blocking in particleboard-core doors as follows:
 - a) 5-inch top-rail blocking, in doors indicated to have closers.
 - b) 5-inch bottom-rail blocking, in exterior doors and doors indicated to have kick, mop, or armor plates.
 - c) 5-inch midrail blocking, in doors indicated to have exit devices.
 - 2) Provide doors with glued-wood-stave, or, WDMA I.S. 10 structural-composite-lumber cores instead of particleboard cores for doors scheduled to receive exit devices in Section 087100 "Door Hardware."
 - b. Glued wood stave.
 - c. WDMA I.S. 10 structural composite lumber.
 - 1) Screw Withdrawal, Door Face: 550 lbf.
 - 2) Screw Withdrawal, Vertical Door Edge: 550 lbf.
 - d. Either glued wood stave or WDMA I.S. 10 structural composite lumber.
- 7. Core for Fire-Rated Doors: As required to achieve fire-protection rating indicated on Drawings.
 - a. Blocking for Mineral-Core Doors: Provide composite blocking with improved screw-holding capability approved for use in doors of fire-protection ratings indicated on Drawings as follows:
 - 1) 5-inch top-rail blocking.
 - 2) 5-inch bottom-rail blocking, in doors indicated to have protection plates.
 - 3) 5-inch midrail blocking, in doors indicated to have armor plates.
 - 4) 5-inch midrail blocking, in doors indicated to have exit devices.
- 8. Construction: Five plies, hot-pressed bonded (vertical and horizontal edging is bonded to core), with entire unit abrasive planed before veneering.

2.5 LIGHT FRAMES AND LOUVERS

- A. Wood Beads for Light Openings in Wood Doors: Provide manufacturer's standard wood beads unless otherwise indicated.
 - 1. Wood Species: Same species as door faces.
 - 2. Profile: Flush rectangular beads.
 - 3. At wood-core doors with 20-minute fire-protection ratings, provide wood beads and metal glazing clips approved for such use.
- B. Wood-Veneered Beads for Light Openings in Fire-Rated Doors: Manufacturer's standard wood-veneered noncombustible beads matching veneer species of door faces and approved for use in doors of fire-protection rating indicated on Drawings. Include concealed metal glazing clips where required for opening size and fire-protection rating indicated.
- C. Metal Frames for Light Openings in Fire-Rated Doors: Manufacturer's standard frame formed of 0.048-inch- thick, cold-rolled steel sheet; with baked-enamel- or powder-coated finish; and approved for use in doors of fire-protection rating indicated on Drawings.
- D. Wood Louvers: Door manufacturer's standard solid-wood louvers unless otherwise indicated.
 - 1. Wood Species: Same species as door faces.
 - 2. Profile: Flat.

2.6 FABRICATION

- A. Factory fit doors to suit frame-opening sizes indicated.
 - 1. Comply with clearance requirements of referenced quality standard for fitting unless otherwise indicated.
 - 2. Comply with NFPA 80 requirements for fire-rated doors.
- B. Factory machine doors for hardware that is not surface applied.
 - 1. Locate hardware to comply with DHI-WDHS-3.
 - 2. Comply with final hardware schedules, door frame Shop Drawings, ANSI/BHMA-156.115-W, and hardware templates.
 - 3. Coordinate with hardware mortises in metal frames, to verify dimensions and alignment before factory machining.
 - 4. For doors scheduled to receive electrified locksets, provide factory-installed raceway and wiring to accommodate specified hardware.
 - 5. Metal Astragals: Factory machine astragals and formed-steel edges for hardware for pairs of fire-rated doors.
- C. Openings: Factory cut and trim openings through doors.
 - 1. Light Openings: Trim openings with moldings of material and profile indicated.

2. Glazing: Factory install glazing in doors indicated to be factory finished. Comply with applicable requirements in Section 088000 "Glazing."
3. Louvers: Factory install louvers in prepared openings.

2.7 FACTORY FINISHING

- A. Comply with referenced quality standard for factory finishing.
 1. Complete fabrication, including fitting doors for openings and machining for hardware that is not surface applied, before finishing.
 2. Finish faces, all four edges, edges of cutouts, and mortises.
 3. Stains and fillers may be omitted on bottom edges, edges of cutouts, and mortises.
- B. Factory finish doors.
- C. Factory finish doors that are indicated on Drawings to receive transparent finish.
- D. Factory finish doors where indicated in schedules or on Drawings as factory finished.
- E. Transparent Finish:
 1. Architectural Woodwork Standards Grade: Custom.
 - a. System-5, Varnish, Conversion.
 2. Staining: As selected by Architect from manufacturer's full range.
 3. Sheen: Satin.
- F. Opaque Finish:
 1. Architectural Woodwork Standards Grade: Custom.
 - a. System-5, Varnish, Conversion.
 2. Color: As selected by Architect from manufacturer's full range.
 3. Sheen: Satin.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine doors and installed door frames, with Installer present, before hanging doors.
 1. Verify that installed frames comply with indicated requirements for type, size, location, and swing characteristics and have been installed with level heads and plumb jambs.
 2. Reject doors with defects.

- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Hardware: For installation, see Section 087100 "Door Hardware."
- B. Install doors and frames to comply with manufacturer's written instructions and referenced quality standard, and as indicated.
- C. Install frames level, plumb, true, and straight.
 - 1. Shim as required with concealed shims. Install level and plumb to a tolerance of 1/8 inch in 96 inches.
 - 2. Anchor frames to anchors or blocking built in or directly attached to substrates.
 - a. Secure with countersunk, concealed fasteners and blind nailing.
 - b. Use fine finishing nails or finishing screws for exposed fastening, countersunk and filled flush with woodwork.
 - 1) For factory-finished items, use filler matching finish of items being installed.
 - 3. Install fire-rated doors and frames in accordance with NFPA 80.
 - 4. Install smoke- and draft-control doors in accordance with NFPA 105.
- D. Job-Fitted Doors:
 - 1. Align and fit doors in frames with uniform clearances and bevels as indicated below.
 - a. Do not trim stiles and rails in excess of limits set by manufacturer or permitted for fire-rated doors.
 - 2. Machine doors for hardware.
 - 3. Seal edges of doors, edges of cutouts, and mortises after fitting and machining.
 - 4. Clearances:
 - a. Provide 1/8 inch at heads, jambs, and between pairs of doors.
 - b. Provide 1/8 inch from bottom of door to top of decorative floor finish or covering unless otherwise indicated on Drawings.
 - c. Where threshold is shown or scheduled, provide 1/4 inch from bottom of door to top of threshold unless otherwise indicated.
 - d. Comply with NFPA 80 for fire-rated doors.
 - 5. Bevel non-fire-rated doors 1/8 inch in 2 inches at lock and hinge edges.
 - 6. Bevel fire-rated doors 1/8 inch in 2 inches at lock edge; trim stiles and rails only to extent permitted by labeling agency.
- E. Factory-Fitted Doors: Align in frames for uniform clearance at each edge.

- F. Factory-Finished Doors: Restore finish before installation if fitting or machining is required at Project site.

3.3 FIELD QUALITY CONTROL

- A. Inspection Agency: Engage a qualified inspector to perform inspections and to furnish reports to Architect.
- B. Inspections:
 - 1. Provide inspection of installed Work through AWI's Quality Certification Program, certifying that wood doors and frames, including installation, comply with requirements of AWI/AWMCA/WI's "Architectural Woodwork Standards" for the specified grade.
 - 2. Fire-Rated Door Inspections: Inspect each fire-rated door in accordance with NFPA 80, Section 5.2.
 - 3. Egress Door Inspections: Inspect each door equipped with panic hardware, each door equipped with fire exit hardware, each door located in an exit enclosure, each electrically controlled egress door, and each door equipped with special locking arrangements in accordance with NFPA 101, Section 7.2.1.15.
- C. Repair or remove and replace installations where inspections indicate that they do not comply with specified requirements.
- D. Reinspect repaired or replaced installations to determine if replaced or repaired door assembly installations comply with specified requirements.
- E. Prepare and submit separate inspection report for each fire-rated door assembly indicating compliance with each item listed in NFPA 80, and.

3.4 ADJUSTING

- A. Operation: Rehang or replace doors that do not swing or operate freely.
- B. Finished Doors: Replace doors that are damaged or that do not comply with requirements. Doors may be repaired or refinished if Work complies with requirements and shows no evidence of repair or refinishing.

END OF SECTION 081416

SECTION 083113 - ACCESS DOORS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Access doors and frames.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details material descriptions, dimensions of individual components and profiles, and finishes.
- B. Samples: For each type of access door and frame and for each finish specified, complete assembly minimum 6 by 6 inches in size.
- C. Product Schedule: For access doors and frames. Use same designations indicated on Drawings.

PART 2 - PRODUCTS

2.1 ACCESS DOORS AND FRAMES

- A. Flush Access Doors with Concealed Flanges:
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Babcock-Davis
 - b. J. L. Industries, Inc.; Activar Construction Products Group, Inc.
 - c. Larsen's Manufacturing Company
 - d. Milcor; Hart & Cooley, Inc.
 - e. Nystrom, Inc.
 - f. Williams Bros. Corporation of America (The)
 - 2. Description: Face of door flush with frame; with concealed flange for gypsum board installation and concealed hinge.
 - 3. Optional Features: Gasketing.
 - 4. Locations: Wall and ceiling.
 - 5. Door Size: As indicated on the drawings.
 - 6. Uncoated Steel Sheet for Interior Doors: Nominal 0.060 inch, 16 gage, factory

- primed.
- 7. Metallic-Coated Steel Sheet for Exterior Doors: Nominal 0.064 inch, 16 gage factory primed.
- 8. Frame Material: Same material and thickness as door.
- 9. Latch and Lock: Cam latch, key operated.

2.2 MATERIALS

- A. Steel Plates, Shapes, and Bars: ASTM A36/A36M.
- B. Steel Sheet: Uncoated or electrolytic zinc coated, ASTM A879/A879M, with cold-rolled steel sheet substrate complying with ASTM A1008/A1008M, Commercial Steel (CS), exposed.
- C. Metallic-Coated Steel Sheet: ASTM A653/A653M, Commercial Steel (CS), Type B; with minimum G60 or A60 metallic coating.
- D. Frame Anchors: Same material as door face.
- E. Inserts, Bolts, and Anchor Fasteners: Hot-dip galvanized steel according to ASTM A153/A153M or ASTM F2329.

2.3 FABRICATION

- A. General: Provide access door and frame assemblies manufactured as integral units ready for installation.
- B. Metal Surfaces: For metal surfaces exposed to view in the completed Work, provide materials with smooth, flat surfaces without blemishes. Do not use materials with exposed pitting, seam marks, roller marks, rolled trade names, or roughness.
- C. Doors and Frames: Grind exposed welds smooth and flush with adjacent surfaces. Furnish mounting holes, attachment devices and fasteners of type required to secure access doors to types of supports indicated.
 - 1. For concealed flanges with drywall bead, provide edge trim for gypsum panels securely attached to perimeter of frames.
- D. Latch and Lock Hardware:
 - 1. Quantity: Furnish number of latches and locks required to hold doors tightly closed.
 - 2. Keys: Furnish two keys per lock and key all locks alike.

2.4 FINISHES

- A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
- D. Painted Finishes: Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.
 - 1. Factory Primed: Apply manufacturer's standard, lead- and chromate-free, universal primer immediately after surface preparation and pretreatment.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Comply with manufacturer's written instructions for installing access doors and frames.

3.3 ADJUSTING

- A. Adjust doors and hardware, after installation, for proper operation.

END OF SECTION 083113

SECTION 084113 - ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Aluminum-framed entrance and storefront systems.

1.2 ACTION SUBMITTALS

A. Product Data:

1. Aluminum-framed entrance and storefront systems.

B. Product Data Submittals: For each product.

1. Construction details, material descriptions, dimensions of individual components and profiles, and finishes.
2. Operating characteristics, electrical characteristics, and furnished accessories.

C. Shop Drawings:

1. Plans, elevations, sections, full-size details, and attachments to other work.
2. Details of provisions for assembly expansion and contraction and for draining moisture occurring within the assembly to the exterior.
3. Full-size isometric details of each type of vertical-to-horizontal intersection of aluminum-framed entrance and storefront systems, showing the following:
 - a. Joinery, including concealed welds.
 - b. Anchorage.
 - c. Expansion provisions.
 - d. Glazing.
 - e. Flashing and drainage.
4. Connection to and continuity with adjacent thermal, weather, air, and vapor barriers.
5. Point-to-point wiring diagrams showing the following:
 - a. Power requirements for each electrically operated door hardware.
 - b. Location and types of switches, signal device, conduit sizes, and number and size of wires.
6. Signed and sealed by the qualified professional engineer responsible for their preparation.

- D. Samples for Initial Selection: Manufacturer's standard color sheets, showing full range of available colors for each type of exposed finish.
- E. Delegated Design Submittals: For aluminum-framed entrances and storefront systems, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.3 INFORMATIONAL SUBMITTALS

- A. Energy Performance Certificates: For aluminum-framed entrance and storefront systems, accessories, and components, from manufacturer.
 - 1. Basis for Certification: NFRC-certified energy performance values for each aluminum-framed entrance and storefront system.
- B. Product Test Reports: For aluminum-framed entrance and storefront systems, for tests performed by a qualified testing agency.
- C. Field Quality-Control Reports: For aluminum-framed entrance and storefront systems.
- D. Qualification Statements:
 - 1. For Installer and field testing agency.
- E. Delegated Design Engineer Qualifications: For aluminum-framed entrance and storefront systems.
- F. Sample Warranties: For aluminum-framed entrance and storefront systems.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications:
 - 1. Fabricator of products.
 - 2. Entity that employs installers and supervisors who are trained and approved by manufacturer.
 - 3. Authorized representative who is trained and approved by manufacturer.
- B. Delegated Design Engineer Qualifications: A professional engineer who is legally qualified to practice in state where Project is located and who is experienced in providing engineering services of the type indicated.
- C. Testing Agency Qualifications: Qualified in accordance with ASTM E699 for testing indicated and accredited by IAS or ILAC Mutual Recognition Arrangement as complying with ISO/IEC 17025 and acceptable to Owner and Architect.
- D. Egress Door Inspector Qualifications:
 - 1. Inspector for field quality-control inspections of egress door assemblies to comply

- with qualifications set forth in NFPA 101, Ch. 7 "Means of Egress," Section "Means of Egress Components," Article "Inspection of Door Openings."
2. Inspector for field quality-control inspections of egress door assemblies to be certified under DHI's certification program as a Fire and Egress Door Assembly Inspector (FDAI) or a Certified Fire and Egress Door Assembly Inspector (CFDAI).
- E. Product Options: Information on Drawings and in Specifications establishes requirements for aesthetic effects and performance characteristics of assemblies. Aesthetic effects are indicated by dimensions, arrangements, alignment, and profiles of components and assemblies as they relate to sightlines, to one another, and to adjoining construction.
1. Do not change intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If changes are proposed, submit comprehensive explanatory data to Architect for review.

1.5 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of aluminum-framed entrance and storefront systems that fail in materials or workmanship within specified warranty period.
1. Warranty Period: Two years from date of Substantial Completion.
- B. Special Finish Warranty, Factory-Applied Finishes: Standard form in which manufacturer agrees to repair finishes or replace aluminum that shows evidence of deterioration of factory-applied finishes within specified warranty period.
1. Deterioration includes, but is not limited to, the following:
 - a. Color fading more than 5 Delta E units when tested in accordance with ASTM D2244.
 - b. Chalking in excess of a No. 8 rating when tested in accordance with ASTM D4214.
 - c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.
 2. Warranty Period: 10 years from date of Substantial Completion.
- C. Special Finish Warranty, Anodized Finishes: Standard form in which manufacturer agrees to repair finishes or replace aluminum that shows evidence of deterioration of anodized finishes within specified warranty period.
1. Deterioration includes, but is not limited to, the following:
 - a. Color fading more than 5 Delta E units when tested in accordance with ASTM D 2244.
 - b. Chalking in excess of a No. 8 rating when tested in accordance with ASTM D 4214.
 - c. Cracking, peeling, or chipping.

2. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain all components of aluminum-framed entrance and storefront system, including framing and accessories, from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design aluminum-framed entrance and storefront systems.

2.3 ALUMINUM-FRAMED ENTRANCE AND STOREFRONT SYSTEMS

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- B. Framing Members: Manufacturer's extruded- or formed-aluminum framing members of thickness required and reinforced as required to support imposed loads.
 1. Exterior Framing Construction: Thermally broken.
 2. Interior Vestibule Framing Construction: Nonthermal.
 3. Glazing System: Retained mechanically with gaskets on four sides.
 4. Glazing Plane: Front.
 5. Finish: Color anodic finish.
 6. Fabrication Method: Field-fabricated stick system.
 7. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.
 8. Steel Reinforcement: As required by manufacturer.
- C. Backer Plates: Manufacturer's standard, continuous backer plates for framing members, if not integral, where framing abuts adjacent construction.
- D. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with nonstaining, nonferrous shims for aligning system components.
- E. Entrance Doors: Manufacturer's standard glazed entrance doors for manual-swing or automatic operation.
 1. Door Construction: 1-3/4-inch overall thickness, with minimum 0.125-inch- thick, extruded-aluminum tubular rail and stile members. Mechanically fasten corners

- with reinforcing brackets that are deeply penetrated and fillet welded or that incorporate concealed tie rods.
- 2. Door Design: As indicated.
- 3. Glazing Stops and Gaskets: Beveled, snap-on, extruded-aluminum stops and preformed gaskets.
 - a. Provide nonremovable glazing stops on outside of door.
- 4. Finish: Match adjacent storefront framing finish.

2.4 ENTRANCE DOOR HARDWARE

- A. Entrance Door Hardware: Hardware not specified in this Section is specified in Section 087100 "Door Hardware."
- B. Weather Stripping: Manufacturer's standard replaceable components.
 - 1. Compression Type: Made of ASTM D2000 molded neoprene or ASTM D2287 molded PVC.
 - 2. Sliding Type: AAMA 701/702, made of wool, polypropylene, or nylon woven pile with nylon-fabric or aluminum-strip backing.
- C. Thresholds: BHMA A156.21 raised thresholds beveled with a slope of not more than 1:2, with maximum height of 1/2 inch.

2.5 GLAZING

- A. Glazing: Comply with Section 088000 "Glazing."
- B. Glazing Gaskets: Manufacturer's standard sealed-corner pressure-glazing system of black, resilient elastomeric glazing gaskets, setting blocks, and shims or spacers.
- C. Glazing Sealants: Comply with Section 088000 "Glazing."
- D. Weatherseal Sealants: ASTM C920 for Type S; Grade NS; Class 25; Uses NT, G, A, and O; chemically curing silicone formulation that is compatible with structural sealant and other system components with which it comes in contact; recommended by structural-sealant, weatherseal-sealant, and structural-sealant-glazed storefront manufacturers for this use.
 - 1. Color: Match structural sealant.

2.6 MATERIALS

- A. Sheet and Plate: ASTM B209.
- B. Extruded Bars, Rods, Profiles, and Tubes: ASTM B221.

- C. Structural Profiles: ASTM B308/B308M.
- D. Steel Reinforcement:
 - 1. Structural Shapes, Plates, and Bars: ASTM A36/A36M.
 - 2. Cold-Rolled Sheet and Strip: ASTM A1008/A1008M.
 - 3. Hot-Rolled Sheet and Strip: ASTM A1011/A1011M.
- E. Steel Reinforcement Primer: Manufacturer's standard zinc-rich, corrosion-resistant primer complying with SSPC-PS Guide No. 12.00; applied immediately after surface preparation and pretreatment. Select surface preparation methods in accordance with recommendations in SSPC-SP COM, and prepare surfaces in accordance with applicable SSPC standard.

2.7 ACCESSORIES

- A. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, nonstaining, nonbleeding fasteners and accessories compatible with adjacent materials.
 - 1. Use self-locking devices where fasteners are subject to loosening or turning out from thermal and structural movements, wind loads, or vibration.
 - 2. Reinforce members as required to receive fastener threads.
 - 3. Use exposed fasteners with countersunk Phillips screw heads, finished to match framing system.
- B. Anchors: Three-way adjustable anchors with minimum adjustment of 1 inch that accommodate fabrication and installation tolerances in material and finish compatible with adjoining materials and recommended by manufacturer.
 - 1. Concrete and Masonry Inserts: Hot-dip galvanized cast-iron, malleable-iron, or steel inserts complying with ASTM A123/A123M or ASTM A153/A153M requirements.
- C. Concealed Flashing: Manufacturer's standard corrosion-resistant, nonstaining, nonbleeding flashing compatible with adjacent materials.
- D. Bituminous Paint: Cold-applied asphalt-mastic paint containing no asbestos, formulated for 30-mil thickness per coat.
- E. Rigid PVC filler.

2.8 FABRICATION

- A. Form or extrude aluminum shapes before finishing.
- B. Weld in concealed locations to greatest extent possible to minimize distortion or discoloration of finish. Remove weld spatter and welding oxides from exposed surfaces by descaling or grinding.

- C. Fabricate components that, when assembled, have the following characteristics:
 - 1. Profiles that are sharp, straight, and free of defects or deformations.
 - 2. Accurately fitted joints with ends coped or mitered.
 - 3. Physical and thermal isolation of glazing from framing members.
 - 4. Accommodations for thermal and mechanical movements of glazing and framing to maintain required glazing edge clearances.
 - 5. Provisions for field replacement of glazing from interior.
 - 6. Fasteners, anchors, and connection devices that are concealed from view to greatest extent possible.
- D. Mechanically Glazed Framing Members: Fabricate for flush glazing without projecting stops.
- E. Storefront Framing: Fabricate components for assembly using shear-block system.
- F. Entrance Door Frames: Reinforce as required to support loads imposed by door operation and for installing entrance door hardware.
 - 1. At interior and exterior doors, provide compression weather stripping at fixed stops.
- G. Entrance Doors: Reinforce doors as required for installing entrance door hardware.
 - 1. At pairs of exterior doors, provide sliding-type weather stripping retained in adjustable strip and mortised into door edge.
 - 2. At exterior doors, provide weather sweeps applied to door bottoms.
- H. Entrance Door Hardware Installation: Factory install entrance door hardware to the greatest extent possible. Cut, drill, and tap for factory-installed entrance door hardware before applying finishes.
- I. After fabrication, clearly mark components to identify their locations in Project in accordance with Shop Drawings.

2.9 ALUMINUM FINISHES

- A. Color Anodic Finish: AAMA 611, AA-M12C22A42/A44, Class I, 0.018 mm or thicker.
 - 1. Color: Refer to Appendix – Staybridge Suites Brand Design specifications for color selections.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION OF ALUMINUM-FRAMED ENTRANCE AND STOREFRONT SYSTEMS

- A. Comply with manufacturer's written instructions.
- B. Do not install damaged components.
- C. Fit joints to produce hairline joints free of burrs and distortion.
- D. Rigidly secure nonmovement joints.
- E. Install anchors with separators and isolators to prevent metal corrosion and electrolytic deterioration and to prevent impeding movement of moving joints.
- F. Seal perimeter and other joints watertight unless otherwise indicated.
- G. Metal Protection:
 - 1. Where aluminum is in contact with dissimilar metals, protect against galvanic action by painting contact surfaces with materials recommended by manufacturer for this purpose or by installing nonconductive spacers.
 - 2. Where aluminum is in contact with concrete or masonry, protect against corrosion by painting contact surfaces with bituminous paint.
- H. Set continuous sill members and flashing in full sealant bed, as specified in Section 079200 "Joint Sealants," to produce weathertight installation.
- I. Install joint filler behind sealant as recommended by sealant manufacturer.
- J. Install components plumb and true in alignment with established lines and grades.
- K. Install entrance doors to produce smooth operation and tight fit at contact points.
 - 1. Exterior Doors: Install to produce weathertight enclosure and tight fit at weather stripping.
 - 2. Field-Installed Entrance Door Hardware: Install surface-mounted entrance door hardware in accordance with entrance door hardware manufacturers' written instructions using concealed fasteners to greatest extent possible.
- L. Install glazing as specified in Section 088000 "Glazing."

3.3 ERECTION TOLERANCES

- A. Install aluminum-framed entrance and storefront systems to comply with the following maximum tolerances:
 - 1. Plumb: 1/8 inch in 10 feet; 1/4 inch in 40 feet.

2. Level: 1/8 inch in 20 feet; 1/4 inch in 40 feet.
3. Alignment:
 - a. Where surfaces abut in line or are separated by reveal or protruding element up to 1/2 inch wide, limit offset from true alignment to 1/16 inch.
 - b. Where surfaces are separated by reveal or protruding element from 1/2 to 1 inch wide, limit offset from true alignment to 1/8 inch.
 - c. Where surfaces are separated by reveal or protruding element of 1 inch wide or more, limit offset from true alignment to 1/4 inch.
4. Location: Limit variation from plane to 1/8 inch in 12 feet; 1/2 inch over total length.

3.4 FIELD QUALITY CONTROL

- A. Testing Agency: Engage a qualified testing agency to perform tests.
- B. Tests: Perform the following tests on representative areas of aluminum-framed entrance and storefront systems.
 1. Water-Spray Test: Before installation of interior finishes has begun, areas designated by Architect to be tested in accordance with AAMA 501.2 and to not evidence water penetration.
 - a. Perform a minimum of two tests in areas as directed by Architect.
 - b. Perform tests in each test area as directed by Architect. Perform at least three tests, prior to 10, 35, and 70 percent completion.
- C. Inspection Agency: Engage a qualified inspector to perform inspections.
- D. Inspections:
 1. Egress Door Inspections: Inspect each aluminum-framed entrance door equipped with panic hardware, located in an exit enclosure, electrically controlled, and equipped with special locking arrangements, in accordance with NFPA 101, Ch. 7 "Means of Egress," Section "Means of Egress Components," Article "Inspection of Door Openings."
- E. Aluminum-framed entrance and storefront systems will be considered defective if they do not pass tests and inspections.
- F. Prepare test and inspection reports.

END OF SECTION 084113

SECTION 084229.23 - SLIDING AUTOMATIC ENTRANCES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Sliding automatic entrances.

1.2 ACTION SUBMITTALS

- A. Product Data: Sliding automatic entrances.
- B. Product Data Submittals: For each product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for automatic entrances.
 - 2. Include rated capacities, operating characteristics, electrical characteristics, and furnished specialties and accessories.
- C. Shop Drawings: For sliding automatic entrances.
 - 1. Include plans, elevations, sections, hardware mounting heights, and attachment details.
 - 2. Indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
 - 3. Include diagrams for power, signal, and control wiring.
 - 4. Indicate locations of activation and safety devices.
 - 5. Include hardware schedule and indicate hardware types, functions, quantities, and locations.
- D. Samples for Initial Selection: For units with factory-applied color finishes.
 - 1. Include Samples of hardware and accessories involving color or finish selection.
- E. Delegated Design Submittals: For automatic entrances.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer, and Certified Inspector.
- B. Product Certificates: For each type of automatic entrance. Include emergency-exit features of automatic entrances serving as a required means of egress.
- C. Product Test Reports: For each type of automatic entrance, for tests performed by a qualified testing agency.

- D. Field quality-control reports.
- E. Sample Warranties: For manufacturer's special warranties.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A manufacturer with Company Certificate issued by AAADM indicating that manufacturer has a Certified Inspector on staff.
- B. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation and maintenance of units required for this Project and who employs a Certified Inspector.
- C. Certified Inspector Qualifications: Certified by AAADM.

1.5 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of automatic entrances that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures including, but not limited to, excessive deflection.
 - b. Faulty operation of operators, controls, and hardware.
 - c. Deterioration of metals, metal finishes, and other materials beyond normal weathering and use.
 - 2. Warranty Period: Two years from date of Substantial Completion.
- B. Special Finish Warranty: Manufacturer agrees to repair or replace components on which finishes fail in materials or workmanship within specified warranty period.
 - 1. Deterioration includes, but is not limited to, the following:
 - a. Color fading more than 5 Hunter units when tested in accordance with ASTM D2244.
 - b. Chalking in excess of a No. 8 rating when tested in accordance with ASTM D4214.
 - c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.
 - 2. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain sliding automatic entrances from single source from single manufacturer.

2.2 SLIDING AUTOMATIC ENTRANCES

- A. General: Provide manufacturer's standard automatic entrances, including doors, sidelites, framing, headers, carrier assemblies, roller tracks, door operators, controls, and accessories required for a complete installation.
- B. Sliding, Power-Operated Automatic Entrances:
 - 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
 - 2. Configuration, Biparting-Sliding: Biparting-sliding doors with two sliding leaves, transom, sidelites on each side.
 - a. Traffic Pattern: Two way.
 - b. Emergency Breakaway Capability: As indicated on Drawings.
 - c. Mounting: Between jambs.
 - 3. Operator Features:
 - a. Power opening and closing.
 - b. Drive System: Chain, or, belt.
 - c. Adjustable opening and closing speeds.
 - d. Adjustable hold-open time between zero and 30 seconds.
 - e. Obstruction recycle.
 - f. On-off/hold-open switch to control electric power to operator, key operated.
 - 4. Sliding-Door Carrier Assemblies and Overhead Roller Tracks: Carrier assembly that allows vertical adjustment; consisting of nylon- or delrin-covered, ball-bearing-center steel wheels operating on a continuous roller track, or ball-bearing-center steel wheels operating on a nylon- or delrin-covered, continuous roller track. Support doors from carrier assembly by cantilever and pivot assembly.
 - a. Rollers: Minimum of two ball-bearing roller wheels and two antirise rollers for each active leaf.
 - 5. Sliding-Door Threshold: Threshold members and bottom-guide-track system with stainless steel, ball-bearing-center roller wheels.
 - a. Configuration, Threshold: Saddle-type threshold across door opening and recessed guide-track system at sidelites.
 - 6. Controls: Activation and safety devices as indicated on Drawings and in accordance with BHMA standards.
 - a. Activation Device, Motion Sensor: Mounted on each side of door header to detect pedestrians in activating zone and to open door.

- b. Safety Device, Photoelectric Beams: Two photoelectric beams mounted in sidelite jambs on each side of door to detect pedestrians in presence zone and to prevent door from closing.
- 7. Finish: Finish framing, door(s), and header with Class I, color anodic finish, finish matching adjacent storefront].
 - a. Color: Refer to Appendix – Staybridge Suites Brand Design specifications for color selections.

2.3 ENTRANCE COMPONENTS

- A. Framing Members: Extruded aluminum, minimum 0.125 inch thick and reinforced as required to support imposed loads.
 - 1. Nominal Size: As indicated on Drawings.
 - 2. Extruded Glazing Stops and Applied Trim: Minimum 0.062-inch wall thickness.
- B. Stile and Rail Doors: 1-3/4-inch- thick, glazed doors with minimum 0.125-inch- thick, extruded-aluminum tubular stile and rail members. Mechanically fasten corners with reinforcing brackets that are welded, or incorporate concealed tie-rods that span full length of top and bottom rails.
 - 1. Glazing Stops and Gaskets: Beveled, snap-on, extruded-aluminum stops and preformed gaskets.
 - 2. Stile Design: As indicated on Drawings.
 - 3. Rail Design: As indicated on Drawings.
 - 4. Muntin Bars: Horizontal tubular rail member for each door; match stile design and finish.
- C. Sidelite(s): 1-3/4-inch- deep sidelite(s) with minimum 0.125-inch- thick, extruded-aluminum tubular stile and rail members matching door design.
 - 1. Glazing Stops and Gaskets: Same materials and design as for stile and rail door.
 - 2. Muntin Bars: Horizontal tubular rail members for each sidelite; match stile design.
- D. Transom: 1-3/4-inch- deep transom with minimum 0.125-inch- thick, extruded-aluminum tubular stile and rail members matching door design.
 - 1. Glazing Stops and Gaskets: Same materials and design as for stile and rail door.
- E. Headers: Fabricated from minimum 0.125-inch- thick extruded aluminum and extending full width of automatic entrance units to conceal door operators and controls. Provide hinged or removable access panels for service and adjustment of door operators and controls. Secure panels to prevent unauthorized access.
 - 1. Mounting: Surface mounted.
 - 2. Capacity: Capable of supporting doors of up to 175 lb per leaf over spans of up to 14 feet without intermediate supports.

- a. Provide sag rods for spans exceeding 14 feet.
- F. Brackets and Reinforcements: High-strength aluminum with nonstaining, nonferrous shims for aligning system components.
- G. Signage: As required by cited BHMA standard.
 - 1. Application Process: Door manufacturer's standard process.
 - 2. Provide sign materials with instructions for field application after glazing is installed.

2.4 MATERIALS

- A. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.
 - 1. Extrusions: ASTM B221.
 - 2. Sheet: ASTM B209.
- B. Steel Reinforcement: Reinforcement with corrosion-resistant primer complying with SSPC-PS Guide No. 12.00 applied immediately after surface preparation and pretreatment. Use surface preparation methods in accordance with recommendations in SSPC-SP COM and prepare surfaces in accordance with applicable SSPC standard.
- C. Glazing: As specified in Section 088000 "Glazing."
- D. Sealants and Joint Fillers: As specified in Section 079200 "Joint Sealants."
- E. Nonmetallic, Shrinkage-Resistant Grout: Premixed, nonmetallic, noncorrosive, nonstaining grout; complying with ASTM C1107/C1107M; of consistency suitable for application.
- F. Bituminous Coating: Cold-applied asphalt emulsion complying with ASTM D1187/D1187M.
- G. Fasteners and Accessories: Corrosion-resistant, nonstaining, nonbleeding fasteners and accessories compatible with adjacent materials.
- H. Regional Materials: Products shall be manufactured within 500 miles of Project site from materials that have been extracted, harvested, or recovered, as well as manufactured, within 500 miles of Project site. If materials are transported by rail or water, the distance transported by rail or water shall be multiplied by 0.25 to determine the distance to Project site.

2.5 DOOR OPERATORS AND CONTROLS

- A. General: Provide operators and controls, which include activation and safety devices, in accordance with BHMA standards, for condition of exposure, and for long-term,

maintenance-free operation under normal traffic load for type of occupancy indicated.

- B. Door Operators: Provide door operators of size recommended by manufacturer for door size, weight, and movement.
 - 1. Door Operator Performance: Door operators to open and close doors and maintain them in fully closed position when subjected to Project's design wind loads.
 - 2. Electromechanical Operators: Concealed, self-contained, overhead units powered by fractional-horsepower, permanent-magnet dc motor; with closing speed controlled mechanically by gear train and dynamically by braking action of electric motor; with solid-state microprocessor controller; complying with UL 325; and with manual operation with power off.
- C. Motion Sensors: Self-contained, K-band-frequency, microwave-scanner units; fully enclosed by their plastic housings; adjustable to provide detection-field sizes and functions required by BHMA A156.10.
 - 1. Provide capability for switching between bi- and unidirectional detection.
 - 2. For one-way traffic, sensor on egress side to not be active when doors are fully closed.
- D. Photoelectric Beams: Pulsed infrared, sender-receiver assembly for recessed mounting. Beams to not be active when doors are fully closed.
- E. Key Switch: Recess-mounted, door-control switch with key-controlled actuator; enclosed in 2-by-4-inch junction box. Provide faceplate engraved with letters indicating switch functions.
 - 1. Faceplate Material: Painted metal, as selected by Architect from manufacturer's full range.
 - 2. Functions: On-off, momentary contact.
 - 3. Mounting: As indicated on Drawings.
- F. Electrical Interlocks: Unless units are equipped with self-protecting devices or circuits, provide electrical interlocks to prevent activation of operator when door is locked, latched, or bolted.

2.6 HARDWARE

- A. General: Provide units in sizes and types recommended by automatic entrance and hardware manufacturers for entrances and uses indicated. Finish exposed parts to match door finish unless otherwise indicated.
- B. Breakaway Device for Power-Operated Doors: Device that allows door to swing out in direction of egress to full 90 degrees from any operating position. Maximum force to open door to be as stipulated in "Performance Requirements" Article. Interrupt powered operation of door operator while in breakaway mode.
 - 1. Include one adjustable detent device mounted at the top of each breakaway

panel to control breakaway force.

- a. Panel Closer: Factory-installed concealed hydraulic door closer.
 - b. Limit Arms: Limit swing to 90 degrees, spring loaded with adjustable friction damping.
- C. Deadlocks: Deadbolt operated by exterior cylinder and interior thumb turn, with minimum 1-inch- long throw bolt; BHMA A156.5, Grade 1.
 - 1. Cylinders: As specified in Section 087100 "Door Hardware."
 - a. Keying: Integrate into building master key system.
 - b. Keys: Three for each cylinder.
- D. Automatic Locking: Electrically controlled device mounted in header that automatically locks sliding door in closed position, preventing door panels from sliding manually. Provide fail- safe operation if power fails.
 - 1. Power Interruption: Lock to be disengaged, allowing doors to slide manually.
 - 2. Means of Egress: Standard breakaway feature.
- E. Weather Stripping: Replaceable components.
 - 1. Sliding Type: AAMA 701/702, made of wool, polypropylene, or nylon woven pile with nylon-fabric or aluminum-strip backing.

2.7 FABRICATION

- A. General: Factory fabricate automatic entrance components to designs, sizes, and thicknesses indicated and to comply with indicated standards.
 - 1. Form aluminum shapes before finishing.
 - 2. Weld in concealed locations to greatest extent possible to minimize distortion or discoloration of finish. Remove weld spatter and welding oxides from exposed surfaces by descaling or grinding.
 - 3. Use concealed fasteners to greatest extent possible. Where exposed fasteners are required, use countersunk Phillips flat-head machine screws, finished to match framing.
 - a. Where fasteners are subject to loosening or turning out from thermal and structural movements, wind loads, or vibration, use self-locking devices.
 - b. Reinforce members as required to receive fastener threads.
 - 4. Where aluminum will contact dissimilar metals, protect against galvanic action by painting contact surfaces with primer or by applying sealant or tape recommended by manufacturer for this purpose.
- B. Framing: Provide automatic entrances as prefabricated assemblies. Complete fabrication, assembly, finishing, hardware application, and other work before shipment to Project site.

1. Fabricate tubular and channel frame assemblies with welded or mechanical joints. Provide subframes and reinforcement as required for a complete system to support required loads.
 2. Perform fabrication operations in manner that prevents damage to exposed finish surfaces.
 3. Form profiles that are sharp, straight, and free of defects or deformations.
 4. Provide components with concealed fasteners and anchor and connection devices.
 5. Fabricate components with accurately fitted joints, with ends coped or mitered to produce hairline joints free of burrs and distortion.
 6. Fabricate exterior components to drain water passing joints, condensation occurring within framing members, and moisture migrating within system to exterior. Provide anchorage and alignment brackets for concealed support of assembly from building structure.
 7. Allow for thermal expansion of exterior units.
- C. Doors: Factory fabricated and assembled in profiles indicated. Reinforce as required to support imposed loads and for installing hardware.
- D. Door Operators: Factory fabricated and installed in headers, including adjusting and testing.
- E. Glazing: Fabricate framing with minimum glazing edge clearances for thickness and type of glazing indicated, in accordance with NGA's "GANA Glazing Manual."
- F. Hardware: Factory install hardware to greatest extent possible; remove only as required for final finishing operation and for delivery to and installation at Project site. Cut, drill, and tap for factory-installed hardware before applying finishes.
1. Provide sliding-type weather stripping, mortised into door, at perimeter of doors and breakaway sidelites.
- G. Controls:
1. General: Factory install activation and safety devices in doors and headers as required by BHMA A156.10 for type of door and direction of travel.
 2. Install photoelectric beams in vertical jambs of sidelites, with dimension above finished floor as follows:
 - a. Top Beam: 48 inches.
 - b. Bottom Beam: 24 inches.

2.8 GENERAL FINISH REQUIREMENTS

- A. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Apply organic and anodic finishes to formed metal after fabrication unless otherwise indicated.

- C. Appearance of Finished Work: Noticeable variations in same piece are unacceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.9 ALUMINUM FINISHES

- A. Color Anodic Finish: AAMA 611, AA-M12C22A42/A44, Class I, 0.018 mm or thicker.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine conditions, with Installer present, for compliance with requirements for installation tolerances, header support, and other conditions affecting performance of automatic entrances.
- B. Examine roughing-in for electrical systems to verify actual locations of power connections before automatic entrance installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Install automatic entrances in accordance with manufacturer's written instructions and cited BHMA A156.10 for direction of pedestrian travel, including signage, controls, wiring, and connection to the building's power supply.
 - 1. Do not install damaged components. Fit frame joints to produce hairline joints free of burrs and distortion. Rigidly secure nonmovement joints. Seal joints watertight.
 - 2. Where aluminum will contact dissimilar metals, protect against galvanic action by painting contact surfaces with primer or by applying sealant or tape recommended by manufacturer for this purpose.
 - 3. Where aluminum will contact concrete or masonry, protect against corrosion by painting contact surfaces with bituminous coating.
- B. Entrances: Install automatic entrances plumb and true in alignment with established lines and grades without warp or rack of framing members and doors. Anchor securely in place.
 - 1. Install surface-mounted hardware using concealed fasteners to greatest extent possible.
 - 2. Set headers, carrier assemblies, tracks, operating brackets, and guides level and true to location with anchorage for permanent support.
 - 3. Install components to drain water passing joints, condensation occurring within framing members, and moisture migrating within system to exterior.
 - 4. Level recesses for recessed thresholds using nonshrink grout.

- C. Door Operators: Connect door operators to electrical power distribution system.
- D. Controls: Install and adjust activation and safety devices in accordance with manufacturer's written instructions and cited BHMA standard for direction of pedestrian travel. Connect control wiring in accordance with Section 260519 "Low-Voltage Electrical Power Conductors and Cables."
- E. Guide Rails: Install rails in accordance with BHMA A156.10, including Appendix A, and manufacturer's written instructions unless otherwise indicated.
- F. Glazing: Install glazing as specified in
- G. Sealants: Comply with requirements specified in Section 079200 "Joint Sealants" to provide weathertight installation.
 - 1. Set thresholds, framing members and flashings in full sealant bed.
 - 2. Seal perimeter of framing members with sealant.
- H. Signage: Apply signage on both sides of each door, as required by cited BHMA standard for direction of pedestrian travel.
- I. Wiring within Automatic Entrance Enclosures: Bundle, lace, and train conductors to terminal points with no excess and without exceeding manufacturer's written limitations on bending radii. Provide and use lacing bars and distribution spools.

3.3 FIELD QUALITY CONTROL

- A. Certified Inspector: Engage a Certified Inspector to test and inspect components, assemblies, and installations, including connections.
- B. Perform the following tests and inspections with the assistance of a factory-authorized service representative:
 - 1. Test and inspect each automatic entrance, using AAADM inspection forms, to determine compliance of installed systems with applicable BHMA standards.
- C. Automatic entrances will be considered defective if they do not pass tests and inspections.
- D. Prepare test and inspection reports.

3.4 ADJUSTING

- A. Adjust hardware, moving parts, door operators, and controls to function smoothly, and lubricate as recommended by manufacturer; comply with requirements of applicable BHMA standards.
 - 1. Adjust exterior doors for tight closure.

- B. Readjust door operators and controls after repeated operation of completed installation equivalent to three days' use by normal traffic (100 to 300 cycles).
- C. Occupancy Adjustments: When requested within 12 months of date of Substantial Completion, provide on-site assistance in adjusting system to suit actual occupied conditions. Provide up to two visits to Project during other-than-normal occupancy hours for this purpose.

3.5 CLEANING

- A. Clean glass and metal surfaces promptly after installation. Remove excess glazing and sealant compounds, dirt, and other substances. Repair damaged finish to match original finish.
 - 1. Comply with requirements in Section 088000 "Glazing" for cleaning and maintaining glass.

3.6 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain automatic entrances.

END OF SECTION 084229.23

SECTION 085113 - ALUMINUM WINDOWS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes aluminum windows for exterior locations.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, glazing and fabrication methods, dimensions of individual components and profiles, hardware, and finishes for aluminum windows.
- B. Shop Drawings: For aluminum windows.
 - 1. Include plans, elevations, sections, hardware, accessories, insect screens, operational clearances, and details of installation, including anchor, flashing, and sealant installation.
- C. Samples for Initial Selection: For units with factory-applied finishes.
 - 1. Include Samples of hardware and accessories involving color selection.
- D. Product Schedule: For aluminum windows. Use same designations indicated on Drawings.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For manufacturer and Installer.
- B. Product Test Reports: For each type of aluminum window, for tests performed by a qualified testing agency.
- C. Field quality-control reports.
- D. Sample Warranties: For manufacturer's warranties.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A manufacturer capable of fabricating aluminum windows that meet or exceed performance requirements indicated and of documenting this performance by test reports and calculations.

- B. Installer Qualifications: An installer acceptable to aluminum window manufacturer for installation of units required for this Project.

1.5 WARRANTY

- A. Manufacturer's Warranty: Manufacturer agrees to repair or replace aluminum windows that fail in materials or workmanship within specified warranty period.
1. Failures include, but are not limited to, the following:
 - a. Failure to meet performance requirements.
 - b. Structural failures including excessive deflection, water leakage, condensation, and air infiltration.
 - c. Faulty operation of movable sash and hardware.
 - d. Deterioration of materials and finishes beyond normal weathering.
 - e. Failure of insulating glass.
 2. Warranty Period:
 - a. Window: 10 years from date of Substantial Completion.
 - b. Glazing Units: 10 years from date of Substantial Completion.
 - c. Aluminum Finish: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain aluminum windows from single source from single manufacturer.

2.2 ALUMINUM WINDOWS

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- B. Types: Provide the following types in locations indicated on Drawings:
1. Fixed.
- C. Frames and Sashes: Aluminum extrusions complying with AAMA/WDMA/CSA 101/I.S.2/A440.
1. Thermally Improved Construction: Fabricate frames, sashes, and muntins with an integral, concealed, low-conductance thermal barrier located between exterior materials and window members exposed on interior side in a manner that

eliminates direct metal-to-metal contact.

D. Insulating-Glass Units: ASTM E2190.

1. Glass: ASTM C1036, Type 1, Class 1, q3.
 - a. Tint: Clear.
 - b. Kind: Fully tempered where indicated on Drawings.
2. Lites: Two.
3. Filling: Fill space between glass lites with air.
4. Low-E Coating: Pyrolytic on second surface.

E. Glazing System: Manufacturer's standard factory-glazing system that produces weathertight seal.

F. Fasteners: Noncorrosive and compatible with window members, trim, hardware, anchors, and other components.

1. Exposed Fasteners: Do not use exposed fasteners to greatest extent possible. For application of hardware, use fasteners that match finish hardware being fastened.

2.3 ACCESSORIES

A. Subsills: Thermally broken, extruded-aluminum subsills in configurations indicated on Drawings.

2.4 FABRICATION

- A. Fabricate aluminum windows in sizes indicated. Include a complete system for assembling components and anchoring windows.
- B. Glaze aluminum windows in the factory.
- C. Weather strip each operable sash to provide weathertight installation.
- D. Weep Holes: Provide weep holes and internal passages to conduct infiltrating water to exterior.
- E. Provide water-shed members above side-hinged sashes and similar lines of natural water penetration.
- F. Mullions: Provide mullions and cover plates, matching window units, complete with anchors for support to structure and installation of window units. Allow for erection tolerances and provide for movement of window units due to thermal expansion and building deflections. Provide mullions and cover plates capable of withstanding design wind loads of window units.

- G. Complete fabrication, assembly, finishing, hardware application, and other work in the factory to greatest extent possible. Disassemble components only as necessary for shipment and installation.

2.5 GENERAL FINISH REQUIREMENTS

- A. Comply with NAAMM's "Metal Finishes Manual" for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.6 ALUMINUM FINISHES

- A. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.
- B. Class I, Color Anodic Finish: AA-M12C22A42/A44 (Mechanical Finish: nonspecular as fabricated; Chemical Finish: etched, medium matte; Anodic Coating: Architectural Class I, integrally colored or electrolytically deposited color coating 0.018 mm or thicker) complying with AAMA 611.
 - 1. Color: Refer to Appendix – Staybridge Suites Brand Design specifications for color selections.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine openings, substrates, structural support, anchorage, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Verify rough opening dimensions, levelness of sill plate, and operational clearances.
- C. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components to ensure weathertight window installation.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Comply with manufacturer's written instructions for installing windows, hardware, accessories, and other components. For installation procedures and requirements not addressed in manufacturer's written instructions, comply with installation requirements in ASTM E2112.
- B. Install windows level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction to produce weathertight construction.
- C. Install windows and components to drain condensation, water penetrating joints, and moisture migrating within windows to the exterior.
- D. Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic action at points of contact with other materials.

3.3 FIELD QUALITY CONTROL

- A. Testing Agency: Engage a qualified testing agency to perform tests and inspections.
 - 1. Testing and inspecting agency will interpret tests and state in each report whether tested work complies with or deviates from requirements.
- B. Testing Services: Testing and inspecting of installed windows shall take place as follows:
 - 1. Testing Methodology: Testing of windows for air infiltration and water resistance shall be performed according to AAMA 502.
 - 2. Air-Infiltration Testing:
 - a. Test Pressure: That required to determine compliance with AAMA/WDMA/CSA 101/I.S.2/A440 performance class indicated.
 - b. Allowable Air-Leakage Rate: 1.5 times the applicable AAMA/WDMA/CSA 101/I.S.2/A440 rate for product type and performance class rounded down to one decimal place.
 - 3. Water-Resistance Testing:
 - a. Test Pressure: Two-thirds times test pressure required to determine compliance with AAMA/WDMA/CSA 101/I.S.2/A440 performance grade indicated.
 - b. Allowable Water Infiltration: No water penetration.
 - 4. Testing Extent: Three windows of each type as selected by Architect and a qualified independent testing and inspecting agency. Windows shall be tested after perimeter sealants have cured.
 - 5. Test Reports: Prepared according to AAMA 502.
- C. Windows will be considered defective if they do not pass tests and inspections.

- D. Prepare test and inspection reports.

3.4 ADJUSTING, CLEANING, AND PROTECTION

- A. Adjust operating sashes and hardware for a tight fit at contact points and weather stripping for smooth operation and weathertight closure.
- B. Clean exposed surfaces immediately after installing windows. Avoid damaging protective coatings and finishes. Remove excess sealants, glazing materials, dirt, and other substances.
 - 1. Keep protective films and coverings in place until final cleaning.
- C. Remove and replace glass that has been broken, chipped, cracked, abraded, or damaged during construction period.
- D. Protect window surfaces from contact with contaminating substances resulting from construction operations. If contaminating substances do contact window surfaces, remove contaminants immediately according to manufacturer's written instructions.

END OF SECTION 085113

SECTION 088000 - GLAZING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Glass products.
 - 2. Insulating glass.
 - 3. Glazing sealants.
 - 4. Glazing tapes.
 - 5. Miscellaneous glazing materials.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Glass Samples: For each type of the following products; 12 inches square.
 - 1. Coated glass.
 - 2. Insulating glass.
 - 3. Spandrel glass.
- C. Glazing Schedule: List glass types and thicknesses for each size opening and location. Use same designations indicated on Drawings.
- D. Delegated Design Submittal: For glass indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by qualified professional engineer responsible for their preparation.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Product Certificates: For glass.
- C. Product Test Reports: For fabricated glass, for tests performed by a qualified testing agency.
 - 1. For glazing sealants, provide test reports based on testing current sealant formulations within previous 36-month period.
- D. Preconstruction adhesion and compatibility test report.
- E. Sample Warranties: For special warranties.

1.4 QUALITY ASSURANCE

- A. Fabricated-Glass Manufacturer Qualifications: A qualified manufacturer of fabricated glass units who is approved and certified by primary glass manufacturer.
- B. Installer Qualifications: A qualified glazing contractor for this Project who is certified under the North American Contractor Certification Program (NACC) for Architectural Glass & Metal (AG&M) contractors and who employs glazing technicians certified under the Architectural Glass and Metal Technician (AGMT) certification program.
- C. Glass Testing Agency Qualifications: A qualified independent testing agency accredited according to the NFRC CAP 1 Certification Agency Program.
- D. Sealant Testing Agency Qualifications: An independent testing agency qualified according to ASTM C1021 to conduct the testing indicated.

1.5 PRECONSTRUCTION TESTING

- A. Preconstruction Adhesion and Compatibility Testing: Test each glass product, tape sealant, gasket, glazing accessory, and glass-framing member for adhesion to and compatibility with elastomeric glazing sealants.
 - 1. Testing is not required if data are submitted based on previous testing of current sealant products and glazing materials matching those submitted.
 - 2. Use ASTM C1087 to determine whether priming and other specific joint-preparation techniques are required to obtain rapid, optimum adhesion of glazing sealants to glass, tape sealants, gaskets, and glazing channel substrates.
 - 3. Test no fewer than eight Samples of each type of material, including joint substrates, shims, sealant backings, secondary seals, and miscellaneous materials.
 - 4. Schedule enough time for testing and analyzing results to prevent delaying the Work.
 - 5. For materials failing tests, submit sealant manufacturer's written instructions for corrective measures including use of specially formulated primers.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Protect glazing materials in accordance with manufacturer's written instructions. Prevent damage to glass and glazing materials from condensation, temperature changes, direct exposure to sun, or other causes.
- B. Comply with insulating-glass manufacturer's written instructions for venting and sealing units to avoid hermetic seal ruptures due to altitude change.

1.7 FIELD CONDITIONS

- A. Environmental Limitations: Do not proceed with glazing when ambient and substrate temperature conditions are outside limits permitted by glazing material manufacturers

and when glazing channel substrates are wet from rain, frost, condensation, or other causes.

1. Do not install glazing sealants when ambient and substrate temperature conditions are outside limits permitted by sealant manufacturer or are below 40 deg F.

1.8 WARRANTY

- A. Manufacturer's Special Warranty for Coated-Glass Products: Manufacturer agrees to replace coated-glass units that deteriorate within specified warranty period. Deterioration of coated glass is defined as defects developed from normal use that are not attributed to glass breakage or to maintaining and cleaning coated glass contrary to manufacturer's written instructions. Defects include peeling, cracking, and other indications of deterioration in coating.

1. Warranty Period: 10 years from date of Substantial Completion.

- B. Manufacturer's Special Warranty for Insulating Glass: Manufacturer agrees to replace insulating-glass units that deteriorate within specified warranty period. Deterioration of insulating glass is defined as failure of hermetic seal under normal use that is not attributed to glass breakage or to maintaining and cleaning insulating glass contrary to manufacturer's written instructions. Evidence of failure is obstruction of vision by dust, moisture, or film on interior surfaces of glass.

1. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Source Limitations for Glass: Obtain coated glass from single source from single manufacturer.
- B. Source Limitations for Glazing Accessories: For each product and installation method, obtain from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. General: Installed glazing systems shall withstand normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to defective manufacture, fabrication, or installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects in construction.
- B. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design glazing.

- C. Structural Performance: Glazing shall withstand the following design loads within limits and under conditions indicated determined in accordance with the IBC and ASTM E1300:
 - 1. Design Wind Pressures: As indicated on Drawings.
 - a. Wind Design Data: As indicated on Drawings.
 - 2. Thermal Loads: Design glazing to resist thermal stress breakage induced by differential temperature conditions and limited air circulation within individual glass lites and insulated glazing units.
- D. Safety Glazing: Where safety glazing is indicated, provide glazing that complies with 16 CFR 1201, Category II.
- E. Thermal and Optical Performance Properties: Provide glass with performance properties specified, as indicated in manufacturer's published test data, based on procedures indicated below:
 - 1. For monolithic-glass lites, properties are based on units with lites 6 mm thick.
 - 2. For insulating-glass units, properties are based on units of thickness indicated for overall unit and for each lite.
 - 3. U-Factors: Center-of-glazing values, in accordance with NFRC 100 and based on most current non-beta version of LBL's WINDOW computer program, expressed as Btu/sq. ft. x h x deg F.
 - 4. SHGC and Visible Transmittance: Center-of-glazing values, in accordance with NFRC 200 and based on most current non-beta version of LBL's WINDOW computer program.
 - 5. Visible Reflectance: Center-of-glazing values, in accordance with NFRC 300.

2.3 GLASS PRODUCTS, GENERAL

- A. Glazing Publications: Comply with published recommendations of glass product manufacturers and organizations below unless more stringent requirements are indicated. See these publications for glazing terms not otherwise defined in this Section or in referenced standards.
 - 1. IGMA Publication for Insulating Glass: SIGMA TM-3000, "North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial and Residential Use."
- B. Safety Glazing Labeling: Where safety glazing is indicated, permanently mark glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.
- C. Insulating-Glass Certification Program: Permanently marked either on spacers or on at least one component lite of units with appropriate certification label of the IGCC.
- D. Thickness: Where glass thickness is indicated, it is a minimum. Provide glass that

complies with performance requirements and is not less than thickness indicated.

1. Minimum Glass Thickness for Exterior Lites: 6 mm.
 2. Thickness of Tinted Glass: Provide same thickness for each tint color indicated throughout Project.
- E. Strength: Where annealed float glass is indicated, provide annealed float glass, heat-strengthened float glass, or fully tempered float glass as needed to comply with "Performance Requirements" Article. Where heat-strengthened float glass is indicated, provide heat-strengthened float glass or fully tempered float glass as needed to comply with "Performance Requirements" Article. Where fully tempered float glass is indicated, provide fully tempered float glass.

2.4 GLASS PRODUCTS

- A. Clear Annealed Float Glass: ASTM C1036, Type I, Class 1 (clear), Quality-Q3.
1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. AGC Glass Company North America, Inc.
 - b. Cardinal Glass Industries, Inc.
 - c. Guardian Glass LLC
 - d. Pilkington North America; NSG Group
 - e. Saint-Gobain Glass Corp
 - f. Vitro Architectural Glass
- B. Fully Tempered Float Glass: ASTM C1048, Kind FT (fully tempered), Condition A (uncoated) unless otherwise indicated, Type I, Class 1 (clear) or Class 2 (tinted) as indicated, Quality-Q3.
1. Fabrication Process: By horizontal (roller-hearth) process with roll-wave distortion parallel to bottom edge of glass as installed unless otherwise indicated.
- C. Heat-Strengthened Float Glass: ASTM C1048, Kind HS (heat strengthened), Type I, Condition A (uncoated) unless otherwise indicated, Type I, Class 1 (clear) or Class 2 (tinted) as indicated, Quality-Q3.
1. Fabrication Process: By horizontal (roller-hearth) process with roll-wave distortion parallel to bottom edge of glass as installed unless otherwise indicated.
- D. Reflective- and Low-E-Coated Vision Glass: ASTM C1376.
1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Cardinal Glass Industries, Inc.
 - b. Guardian Glass LLC
 - c. Pilkington North America; NSG Group
 - d. Saint-Gobain Glass Corp

e. Vitro Architectural Glass

2.5 INSULATING GLASS

- A. Insulating-Glass Units: Factory-assembled units consisting of sealed lites of glass separated by a dehydrated interspace, qualified in accordance with ASTM E2190.
1. Sealing System: Dual seal, with manufacturer's standard primary and secondary sealants.
 2. Desiccant: Molecular sieve or silica gel, or a blend of both.

2.6 GLAZING SEALANTS

- A. General:
1. Compatibility: Compatible with one another and with other materials they contact, including glass products, seals of insulating-glass units, and glazing channel substrates, under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.
 2. Suitability: Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated and for conditions existing at time of installation.
 3. Colors of Exposed Glazing Sealants: As selected by Architect from manufacturer's full range of industry colors.
- B. Neutral-Curing Silicone Glazing Sealant, Class 100/50: Complying with ASTM C920, Type S, Grade NS, Use NT.
1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. GE Construction Sealants; Momentive Performance Materials Inc.
 - b. Pecora Corporation
 - c. Sika Corporation
 - d. The Dow Chemical Company
 - e. Tremco Incorporated

2.7 GLAZING TAPES

- A. Back-Bedding Mastic Glazing Tapes: Preformed, butyl-based, 100 percent solids elastomeric tape; nonstaining and nonmigrating in contact with nonporous surfaces; with or without spacer rod as recommended in writing by tape and glass manufacturers for application indicated; and complying with ASTM C1281 and AAMA 800 for products indicated below:
1. AAMA 804.3 tape, where indicated.
- B. Expanded Cellular Glazing Tapes: Closed-cell, PVC foam tapes; factory coated with

adhesive on both surfaces; and complying with AAMA 800 for the following types:

1. AAMA 810.1, Type 1, for glazing applications in which tape acts as primary sealant.
2. AAMA 810.1, Type 2, for glazing applications in which tape is used in combination with a full bead of liquid sealant.

2.8 MISCELLANEOUS GLAZING MATERIALS

- A. General: Provide products of material, size, and shape complying with referenced glazing standard, recommended in writing by manufacturers of glass and other glazing materials for application indicated, and with a proven record of compatibility with surfaces contacted in installation.
- B. Cleaners, Primers, and Sealers: Types recommended by sealant or gasket manufacturer.
- C. Setting Blocks:
 1. EPDM with Shore A durometer hardness of 85, plus or minus 5.
 2. Type recommended in writing by sealant or glass manufacturer.
- D. Spacers:
 1. Neoprene blocks or continuous extrusions of hardness required by glass manufacturer to maintain glass lites in place for installation indicated.
 2. Type recommended in writing by sealant or glass manufacturer.
- E. Edge Blocks:
 1. EPDM with Shore A durometer hardness per manufacturer's written instructions.
 2. Type recommended in writing by sealant or glass manufacturer.
- F. Cylindrical Glazing Sealant Backing: ASTM C1330, Type O (open-cell material), of size and density to control glazing sealant depth and otherwise produce optimum glazing sealant performance.

2.9 FABRICATION OF GLAZING UNITS

- A. Fabricate glazing units in sizes required to fit openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with written instructions of product manufacturer and referenced glazing publications, to comply with system performance requirements.
 1. Allow for thermal movements from ambient and surface temperature changes acting on glass framing members and glazing components.
 - a. Temperature Change: 120 deg F, ambient; 180 deg F, material surfaces.

- B. Clean-cut or flat-grind vertical edges of butt-glazed monolithic lites to produce square edges with slight chamfers at junctions of edges and faces.
- C. Grind smooth and polish exposed glass edges and corners.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine framing, glazing channels, and stops, with Installer present, for compliance with the following:
 - 1. Manufacturing and installation tolerances, including those for size, squareness, and offsets at corners.
 - 2. Presence and functioning of weep systems.
 - 3. Minimum required face and edge clearances.
 - 4. Effective sealing between joints of glass-framing members.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean glazing channels and other framing members receiving glass immediately before glazing. Remove coatings not firmly bonded to substrates.
- B. Examine glazing units to locate exterior and interior surfaces. Label or mark units as needed so that exterior and interior surfaces are readily identifiable. Do not use materials that leave visible marks in the completed Work.

3.3 GLAZING, GENERAL

- A. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials, unless more stringent requirements are indicated, including those in referenced glazing publications.
- B. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass includes glass with edge damage or other imperfections that, when installed, could weaken glass, impair performance, or impair appearance.
- C. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction testing.
- D. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications, unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.

- E. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.
- F. Provide spacers for glass lites where length plus width is larger than 50 inches.
 - 1. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances, unless gaskets and glazing tapes are used that have demonstrated ability to maintain required face clearances and to comply with system performance requirements.
 - 2. Provide 1/8-inch- minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.
- G. Provide edge blocking where indicated or needed to prevent glass lites from moving sideways in glazing channel, as recommended in writing by glass manufacturer and in accordance with requirements in referenced glazing publications.
- H. Set glass lites in each series with uniform pattern, draw, bow, and similar characteristics.
- I. Set glass lites with proper orientation so that coatings face exterior or interior as specified.
- J. Where wedge-shaped gaskets are driven into one side of channel to pressurize sealant or gasket on opposite side, provide adequate anchorage so gasket cannot walk out when installation is subjected to movement.
- K. Square cut wedge-shaped gaskets at corners and install gaskets in a manner recommended by gasket manufacturer to prevent corners from pulling away; seal corner joints and butt joints with sealant recommended in writing by gasket manufacturer.

3.4 TAPE GLAZING

- A. Position tapes on fixed stops so that, when compressed by glass, their exposed edges are flush with or protrude slightly above sightline of stops.
- B. Install tapes continuously, but not necessarily in one continuous length. Do not stretch tapes to make them fit opening.
- C. Cover vertical framing joints by applying tapes to heads and sills first, then to jambs. Cover horizontal framing joints by applying tapes to jambs, then to heads and sills.
- D. Place joints in tapes at corners of opening with adjoining lengths butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.
- E. Do not remove release paper from tape until right before each glazing unit is installed.
- F. Apply heel bead of elastomeric sealant.

- G. Center glass lites in openings on setting blocks, and press firmly against tape by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.
- H. Apply cap bead of elastomeric sealant over exposed edge of tape.

3.5 GASKET GLAZING (DRY)

- A. Cut compression gaskets to lengths recommended by gasket manufacturer to fit openings exactly, with allowance for stretch during installation.
- B. Insert soft compression gasket between glass and frame or fixed stop so it is securely in place with joints miter cut and bonded together at corners.
- C. Installation with Drive-in Wedge Gaskets: Center glass lites in openings on setting blocks, and press firmly against soft compression gasket by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended in writing by gasket manufacturer.
- D. Installation with Pressure-Glazing Stops: Center glass lites in openings on setting blocks, and press firmly against soft compression gasket. Install dense compression gaskets and pressure-glazing stops, applying pressure uniformly to compression gaskets. Compress gaskets to produce a weathertight seal without developing bending stresses in glass. Seal gasket joints with sealant recommended in writing by gasket manufacturer.
- E. Install gaskets so they protrude past face of glazing stops.

3.6 SEALANT GLAZING (WET)

- A. Install continuous spacers, or spacers combined with cylindrical sealant backing, between glass lites and glazing stops to maintain glass face clearances and to prevent sealant from extruding into glass channel and blocking weep systems until sealants cure. Secure spacers or spacers and backings in place and in position to control depth of installed sealant relative to edge clearance for optimum sealant performance.
- B. Force sealants into glazing channels to eliminate voids and to ensure complete wetting or bond of sealant to glass and channel surfaces.
- C. Tool exposed surfaces of sealants to provide a substantial wash away from glass.

3.7 CLEANING AND PROTECTION

- A. Immediately after installation, remove nonpermanent labels and clean surfaces.

- B. Protect glass from contact with contaminating substances resulting from construction operations. Examine glass surfaces adjacent to or below exterior concrete and other masonry surfaces at frequent intervals during construction, but not less than once a month, for buildup of dirt, scum, alkaline deposits, or stains.
 - 1. If, despite such protection, contaminating substances do contact with glass, remove substances immediately as recommended in writing by glass manufacturer. Remove and replace glass that cannot be cleaned without damage to coatings.
- C. Remove and replace glass that is damaged during construction period.
- D. Wash glass on both exposed surfaces not more than four days before date scheduled for inspections that establish date of Substantial Completion. Wash glass as recommended in writing by glass manufacturer.

3.8 MONOLITHIC GLASS SCHEDULE

- A. Clear Glass: Annealed, Heat-strengthened, Fully tempered float glass.
 - 1. Minimum Thickness: 6 mm.
 - 2. Safety glazing required.

3.9 INSULATING GLASS SCHEDULE

- A. Low-E-Coated, Clear Insulating Glass:
 - 1. Basis-of-Design Product: <Insert manufacturer's name; product name or designation>.
 - 2. Overall Unit Thickness: 1 inch.
 - 3. Minimum Thickness of Each Glass Lite: 6 mm.
 - 4. Outdoor Lite: Annealed, Heat-strengthened,, or Fully tempered float glass.
 - 5. Interspace Content: Air.
 - 6. Indoor Lite: Annealed, Heat-strengthened, Fully tempered float glass.
 - 7. Low-E Coating: Pyrolytic on second surface.
 - 8. Winter Nighttime U-Factor: <Insert value> maximum.
 - 9. Summer Daytime U-Factor: <Insert value> maximum.
 - 10. Visible Light Transmittance: <Insert number> percent minimum.
 - 11. SGHC: <Insert value> maximum.
 - 12. Safety glazing required.

END OF SECTION 088000

SECTION 088300 - MIRRORS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Silvered flat glass mirrors.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: Include mirror elevations, edge details, mirror hardware, and attachment details.
- C. Samples: For each type of the following:
 - 1. Mirror Trim: 12 inches long.

1.3 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified Installer, who employs glass installers for this Project who are certified under the National Glass Association's Certified Glass Installer Program.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Protect mirrors in accordance with mirror manufacturer's written instructions and as needed to prevent damage to mirrors from moisture, condensation, temperature changes, direct exposure to sun, or other causes.
- B. Comply with mirror manufacturer's written instructions for shipping, storing, and handling mirrors as needed to prevent deterioration of silvering, damage to edges, and abrasion of glass surfaces and applied coatings. Store indoors.

1.5 FIELD CONDITIONS

- A. Environmental Limitations: Do not install mirrors until ambient temperature and humidity conditions are maintained at levels indicated for final occupancy.

1.6 WARRANTY

- A. Special Warranty: Manufacturer agrees to replace mirrors that deteriorate within

specified warranty period. Deterioration of mirrors is defined as defects developed from normal use that are not attributed to mirror breakage or to maintaining and cleaning mirrors contrary to manufacturer's written instructions. Defects include discoloration, black spots, and clouding of the silver film.

1. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Source Limitations for Mirrors: Obtain mirrors from single source from single manufacturer.
- B. Source Limitations for Mirror Accessories: Obtain mirror-glazing accessories from single source.

2.2 SILVERED FLAT GLASS MIRRORS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 1. Avalon Glass and Mirror Company
 2. Binswanger Glass Company, Inc.; a division of Vitro Architectural Glass
 3. Guardian Glass LLC
 4. Trulite Glass & Aluminum Solutions, LLC.
 5. Walker Glass Co., Ltd
- B. Mirrors, General: ASTM C1503; manufactured using copper-free, low-lead mirror coating process.
- C. Tempered Glass Mirrors: Mirror Glazing Quality for blemish requirements and complying with ASTM C1048 for Kind FT, Condition A, tempered float glass before silver coating is applied; clear.
 1. Nominal Thickness: 6.0 mm.
- D. Safety Glazing Products: For tempered mirrors, provide products that comply with 16 CFR 1201, Category II.

2.3 MIRROR HARDWARE

- A. Aluminum J-Channels: Aluminum extrusions with a return deep enough to produce a glazing channel to accommodate mirrors of thickness indicated and in lengths required to cover edges of mirrors in a single piece.
 1. Aluminum J-Channel Bottom and Side Trim: J-channels formed with front leg and

back leg not less than 3/8 and 7/8 inch in height, respectively, and a thickness of not less than 0.04 inch.

a. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

- 1) Andscot Company, Inc.
- 2) C.R. Laurence Co., Inc.; CRH Americas, Inc.
- 3) Stylmark, Inc.

2. Finish: Clear bright anodized.

2.4 FABRICATION

- A. Shop fabricate mirrors to greatest extent possible.
- B. Fabricate cutouts for notches and holes in mirrors without marring visible surfaces. Locate and size cutouts, so they fit closely around penetrations in mirrors.
- C. Mirror Edge Treatment: Flat polished.
 1. Seal edges of mirrors with edge sealer after edge treatment to prevent chemical or atmospheric penetration of glass coating.
 2. Require mirror manufacturer to perform edge treatment and sealing in factory immediately after cutting to final sizes.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, over which mirrors are to be mounted, with Installer present, for compliance with installation tolerances, substrate preparation, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected and surfaces are dry.

3.2 INSTALLATION

- A. General: Install mirrors to comply with mirror manufacturer's written instructions and with referenced National Glass Association (NGA) publications. Mount mirrors accurately in place in a manner that avoids distorting reflected images.
 1. NGA Publications: "Glazing Manual" and "Installation Techniques Designed to Prolong the Life of Flat Glass Mirrors."
- B. Provide a minimum airspace of 1/8 inch between back of mirrors and mounting surface

for air circulation between back of mirrors and face of mounting surface.

- C. Install mirrors with mirror hardware. Attach mirror hardware securely to mounting surfaces with mechanical fasteners installed with anchors or inserts as applicable. Install fasteners so heads do not impose point loads on backs of mirrors.
 - 1. Aluminum J-Channels: Provide setting blocks 1/8 inch thick by 4 inches long at quarter points. To prevent trapping water, provide, between setting blocks, two slotted weeps not less than 1/4 inch wide by 3/8 inch long at bottom channel.

3.3 CLEANING AND PROTECTION

- A. Protect mirrors from breakage and contaminating substances resulting from construction operations.
- B. Do not permit edges of mirrors to be exposed to standing water.
- C. Maintain environmental conditions that prevent mirrors from being exposed to moisture from condensation or other sources for continuous periods of time.
- D. Clean exposed surface of mirrors not more than four days before date scheduled for inspections that establish date of Substantial Completion. Clean mirrors as recommended in writing by mirror manufacturer and NGA's publication "Proper Procedures for Cleaning Flat Glass Mirrors."

END OF SECTION 088300

SECTION 088813 - FIRE-RATED GLAZING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Fire-protection-rated glazing.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Glazing Schedule: List glass types and thicknesses for each size opening and location. Use same designations indicated on Drawings.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For glass testing agency.
- B. Product Certificates: For each type of glass and glazing product.
- C. Sample Warranties: For special warranties.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Protect glazing materials in accordance with manufacturer's written instructions. Prevent damage to glass and glazing materials from condensation, temperature changes, direct exposure to sun, or other causes.

1.5 FIELD CONDITIONS

- A. Environmental Limitations: Do not deliver or install fire-resistant glazing until spaces are enclosed and weathertight and temporary HVAC system is operating and maintaining ambient temperature conditions at occupancy levels during remainder of construction period.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Glass: For each glass type, obtain from single source from single manufacturer.
- B. Glazing Accessories: For each product and installation method, obtain from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. General: Installed glazing systems shall withstand normal thermal movement and impact loads (where applicable) without failure, including loss or glass breakage attributable to defective manufacture, fabrication, or installation; deterioration of glazing materials; or other defects in construction.

2.3 GLASS PRODUCTS, GENERAL

- A. Glazing Publications: Comply with published recommendations of glass product manufacturers and organization below unless more stringent requirements are indicated. See these publications for glazing terms not otherwise defined in this Section or in referenced standards.
 - 1. NGA Publications: "Laminated Glazing Reference Manual" and "Glazing Manual."
- B. Safety Glazing Labeling: Where safety glazing is indicated, permanently mark glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction. Label shall indicate manufacturer's name, type of glass, glass thickness, and safety glazing standard with which glass complies.

2.4 GLASS PRODUCTS

- A. Tempered Float Glass: ASTM C1048, Kind FT (fully tempered), Condition A (uncoated) unless otherwise indicated, Type I, Class I (clear) unless otherwise indicated, Quality-Q3.
 - 1. Fabrication Process: By horizontal (roller-hearth) process with roll-wave distortion parallel to bottom edge of glass as installed unless otherwise indicated.

2.5 FIRE-PROTECTION-RATED GLAZING

- A. General: Listed and labeled by a testing agency acceptable to authorities having jurisdiction, for fire-protection ratings indicated, based on positive-pressure testing in accordance with NFPA 257 or UL 9, including hose-stream test, and shall comply with NFPA 80.

1. Fire-protection-rated glazing required to have a fire-protection rating of 20 minutes shall be exempt from hose-stream test.
- B. Fire-Protection-Rated Glazing Labeling: Permanently mark fire-protection-rated glazing with certification label of a testing agency acceptable to authorities having jurisdiction. Label shall indicate manufacturer's name; test standard; whether glazing is permitted to be used in doors or openings; if permitted in openings, whether glazing has passed hose-stream test; whether glazing meets 450 deg F temperature-rise limitation; and fire-resistance rating in minutes.
- C. Fire-Protection-Rated Tempered Glass: 6-mm thickness; fire-protection-rated tempered glass; complying with 16 CFR 1201, Category II.
 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. McGrory Glass, Inc
 - b. SAFTI FIRST Fire Rated Glazing Solutions
 - c. Technical Glass Products; an Allegion brand
 - d. Vetrotech Saint-Gobain

2.6 GLAZING ACCESSORIES

- A. Provide glazing gaskets, glazing sealants, glazing tapes, setting blocks, spacers, edge blocks, and other glazing accessories that are compatible with glazing products and each other and are approved by testing agencies that listed and labeled fire-resistant glazing products with which products are used for applications and fire-protection ratings indicated.
- B. Glazing Sealants for Fire-Rated Glazing Products: Neutral-curing silicone glazing sealant complying with ASTM C920, Type S, Grade NS, Class 50, Use NT. Comply with sealant and glass manufacturers' written instructions for selecting glazing sealants suitable for applications indicated.
 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. GE Construction Sealants; Momentive Performance Materials Inc.
 - b. The Dow Chemical Company
 - c. Tremco Incorporated
 2. Colors of Exposed Glazing Sealants: As selected by Architect from manufacturer's full range of industry colors.
- C. Back-Bedding Mastic Glazing Tapes: Preformed, butyl-based, 100 percent solids elastomeric tape; nonstaining and nonmigrating in contact with nonporous surfaces; with or without spacer rod as recommended in writing by tape and glass manufacturers for application indicated; and complying with ASTM C1281 and AAMA 800 for products indicated below:

1. AAMA 807.3 tape, for glazing applications in which tape is not subject to continuous pressure.
- D. Expanded Cellular Glazing Tapes: Closed-cell, PVC foam tapes; factory coated with adhesive on both surfaces; and complying with AAMA 800 for the following types:
 1. AAMA 810.1, Type 1, for glazing applications in which tape acts as primary sealant.
 2. AAMA 810.1, Type 2, for glazing applications in which tape is used in combination with a full bead of liquid sealant.

2.7 MISCELLANEOUS GLAZING MATERIALS

- A. General: Provide products of material, size, and shape complying with referenced glazing standard, recommended in writing by manufacturers of glass and other glazing materials for application indicated, and with a proven record of compatibility with surfaces contacted in installation.
- B. Cylindrical Glazing Sealant Backing: ASTM C1330, Type O (open-cell material), of size and density to control glazing sealant depth and otherwise produce optimum glazing sealant performance.
- C. Perimeter Insulation for Fire-Resistance-Rated Glazing: Product that is approved by testing agency that listed and labeled fire-resistant glazing product with which it is used for application and fire-protection rating indicated.

2.8 FABRICATION OF GLAZING UNITS

- A. Fabricate glazing units in sizes required to fit openings indicated for Project, with edge and face clearances, edge and surface conditions, and bite complying with written instructions of product manufacturer and referenced glazing publications, to comply with system performance requirements.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Clean glazing channels and other framing members receiving glass immediately before glazing. Remove coatings not firmly bonded to substrates.
- B. Examine glazing units to locate fire side and protected side. Label or mark units as needed so that fire side and protected side are readily identifiable. Do not use materials that leave visible marks in the completed Work.

3.2 GLAZING, GENERAL

- A. Use methods approved by testing agencies that listed and labeled fire-resistant glazing products.
- B. Comply with combined written instructions of manufacturers of glass, sealants, gaskets, and other glazing materials unless more stringent requirements are indicated, including those in referenced glazing publications.
- C. Protect glass edges from damage during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage or other imperfections that, when installed, could weaken glass and impair performance and appearance.
- D. Apply primers to joint surfaces where required for adhesion of sealants, as determined by preconstruction testing.
- E. Install setting blocks in sill rabbets, sized and located to comply with referenced glazing publications unless otherwise required by glass manufacturer. Set blocks in thin course of compatible sealant suitable for heel bead.
- F. Do not exceed edge pressures stipulated by glass manufacturers for installing glass lites.
- G. Provide spacers for glass lites where length plus width is larger than 50 inches.
 - 1. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances unless gaskets and glazing tapes are used that have demonstrated ability to maintain required face clearances and to comply with system performance requirements.
 - 2. Provide 1/8-inch- minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed thickness of tape.
- H. Provide edge blocking where indicated or needed to prevent glass lites from moving sideways in glazing channel, as recommended in writing by glass manufacturer and in accordance with requirements in referenced glazing publications.
- I. Set glass lites with proper orientation so that coatings face fire side or protected side as specified.
- J. Square cut wedge-shaped gaskets at corners and install gaskets in a manner recommended by gasket manufacturer to prevent corners from pulling away; seal corner joints and butt joints with sealant recommended in writing by gasket manufacturer.

3.3 TAPE GLAZING

- A. Position tapes on fixed stops so that, when compressed by glass, their exposed edges

are flush with or protrude slightly above sightline of stops.

- B. Install tapes continuously, but not necessarily in one continuous length. Do not stretch tapes to make them fit opening.
- C. Cover vertical framing joints by applying tapes to heads and sills first and then to jambs. Cover horizontal framing joints by applying tapes to jambs and then to heads and sills.
- D. Place joints in tapes at corners of opening with adjoining lengths butted together, not lapped. Seal joints in tapes with compatible sealant approved by tape manufacturer.
- E. Do not remove release paper from tape until right before each glazing unit is installed.
- F. Apply heel bead of elastomeric sealant.
- G. Center glass lites in openings on setting blocks and press firmly against tape by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.
- H. Apply cap bead of elastomeric sealant over exposed edge of tape.

3.4 GASKET GLAZING (DRY)

- A. Cut compression gaskets to lengths recommended by gasket manufacturer to fit openings exactly, with allowance for stretch during installation.
- B. Insert soft compression gasket between glass and frame or fixed stop, so it is securely in place with joints miter cut and bonded together at corners.
- C. Installation with Drive-in Wedge Gaskets: Center glass lites in openings on setting blocks and press firmly against soft compression gasket by inserting dense compression gaskets formed and installed to lock in place against faces of removable stops. Start gasket applications at corners and work toward centers of openings.
- D. Install gaskets so they protrude past face of glazing stops.

3.5 SEALANT GLAZING (WET)

- A. Install continuous spacers, or spacers combined with cylindrical sealant backing, between glass lites and glazing stops to maintain glass face clearances. Secure spacers or spacers and backings in place and in position to control depth of installed sealant relative to edge clearance for optimum sealant performance.
- B. Force sealants into glazing channels to eliminate voids and to ensure complete wetting or bond of sealant to glass and channel surfaces.
- C. Tool exposed surfaces of sealants to provide a substantial wash away from glass.

3.6 CLEANING AND PROTECTION

- A. Immediately after installation, remove nonpermanent labels and clean surfaces.
- B. Protect glass from contact with contaminating substances resulting from construction operations. Examine glass surfaces adjacent to or below exterior concrete and other masonry surfaces at frequent intervals during construction, but not less than once a month, for buildup of dirt, scum, alkaline deposits, or stains.
 - 1. If, despite such protection, contaminating substances do contact with glass, remove substances immediately as recommended in writing by glass manufacturer.
- C. Remove and replace glass that is damaged during construction period.
- D. Wash glass on both exposed surfaces not more than four days before date scheduled for inspections that establish date of Substantial Completion. Wash glass as recommended in writing by glass manufacturer.

END OF SECTION 088813

SECTION 089119 - FIXED LOUVERS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Fixed extruded-aluminum louvers.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. For louvers specified to bear AMCA seal, include printed catalog pages showing specified models with appropriate AMCA Certified Ratings Seals.
- B. Shop Drawings: For louvers and accessories. Include plans, elevations, sections, details, and attachments to other work. Show frame profiles and blade profiles, angles, and spacing.
 - 1. Show weep paths, gaskets, flashings, sealants, and other means of preventing water intrusion.
 - 2. Show mullion profiles and locations.
- C. Samples: For each type of metal finish required.
- D. Delegated Design Submittal: For louvers indicated to comply with structural performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.3 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: Based on evaluation of comprehensive tests performed in accordance with AMCA 500-L by a qualified testing agency or by manufacturer and witnessed by a qualified testing agency, for each type of louver and showing compliance with performance requirements specified.
- B. Sample Warranties: For manufacturer's special warranties.

1.4 QUALITY ASSURANCE

- A. Welding Qualifications: Qualify procedures and personnel in accordance with the following:

1. AWS D1.2/D1.2M, "Structural Welding Code - Aluminum."

1.5 FIELD CONDITIONS

- A. Field Measurements: Verify actual dimensions of openings by field measurements before fabrication.

1.6 WARRANTY

- A. Special Finish Warranty, Anodized Finishes: Standard form in which manufacturer agrees to repair finishes or replace aluminum that shows evidence of deterioration of anodized finishes within specified warranty period.

1. Deterioration includes, but is not limited to, the following:
 - a. Color fading more than 5 Delta E units when tested in accordance with ASTM D2244.
 - b. Chalking in excess of a No. 8 rating when tested in accordance with ASTM D4214.
 - c. Cracking, peeling, or chipping.
2. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain fixed louvers from single source from a single manufacturer where indicated to be of same type, design, or factory-applied color finish.

2.2 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Design louvers, including comprehensive engineering analysis by a qualified professional engineer, using structural performance requirements and design criteria indicated.
- B. Structural Performance: Louvers withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated without permanent deformation of louver components, noise or metal fatigue caused by louver-blade rattle or flutter, or permanent damage to fasteners and anchors. Wind pressures are considered to act normal to the face of the building.
 1. Wind Loads:
 - a. Determine loads based on pressures as indicated on Drawings.

- C. Louver Performance Ratings: Provide louvers complying with requirements specified, as demonstrated by testing manufacturer's stock units identical to those provided, except for length and width in accordance with AMCA 500-L.
- D. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes.
 - 1. Temperature Change (Range): 120 deg F, ambient; 180 deg F, material surfaces.
- E. SMACNA Standard: Comply with recommendations in SMACNA's "Architectural Sheet Metal Manual" for fabrication, construction details, and installation procedures.

2.3 FIXED EXTRUDED-ALUMINUM LOUVERS

- A. Horizontal Drainable-Blade Louver, Extruded Aluminum:
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Construction Specialties, Inc.
 - b. Greenheck Fan Corporation
 - c. Ruskin; Air Distribution Technologies, Inc.; Johnson Controls, Inc.
 - 2. Louver Depth: 4 inches.
 - 3. Frame and Blade Nominal Thickness: Not less than 0.060 inch for blades and 0.080 inch for frames.
 - 4. Mullion Type: Exposed.
 - 5. Louver Performance Ratings:
 - a. Free Area: Not less than 7.0 sq. ft. for 48-inch- wide by 48-inch- high louver.
 - b. Point of Beginning Water Penetration: Not less than 900 fpm.
 - c. Air Performance:
 - 1) Not more than [0.10-inch wg] <Insert value> static pressure drop at 700-fpm free-area [exhaust] [intake] velocity.
 - 2) Not more than [0.15-inch wg] <Insert value> static pressure drop at 900-fpm free-area [exhaust] [intake] velocity.
 - 6. AMCA Seal: Mark units with AMCA Certified Ratings Seal.

2.4 LOUVER SCREENS

- A. General: Provide screen at each exterior louver.
 - 1. Screen Location for Fixed Louvers: Interior face.
 - 2. Screening Type: Insect screening.

- B. Secure screen frames to louver frames with machine screws with heads finished to match louver, spaced a maximum of 6 inches from each corner and at 12 inches o.c.
- C. Louver Screen Frames: Fabricate with mitered corners to louver sizes indicated.
 - 1. Metal: Same type and form of metal as indicated for louver to which screens are attached. Reinforce extruded-aluminum screen frames at corners with clips.
 - 2. Finish: Same finish as louver frames to which louver screens are attached.
 - 3. Type: Non-rewirable, U-shaped frames.
- D. Louver Screening for Aluminum Louvers:
 - 1. Insect Screening, Aluminum: 18-by-16 mesh, 0.012-inch wire.
 - 2. Insect Screening, Stainless Steel: 18-by-18 mesh, 0.009-inch wire.

2.5 MATERIALS

- A. Aluminum Extrusions: ASTM B221, Alloy 6063-T5, T-52, or T6.
- B. Aluminum Sheet: ASTM B209, Alloy 3003 or 5005, with temper as required for forming, or as otherwise recommended by metal producer for required finish.
- C. Fasteners: Use types and sizes to suit unit installation conditions.
 - 1. Use tamper-resistant screws for exposed fasteners unless otherwise indicated.
 - 2. For fastening aluminum, use aluminum or 300 series stainless steel fasteners.
 - 3. For color-finished louvers, use fasteners with heads that match color of louvers.
- D. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D1187/D1187M.

2.6 FABRICATION

- A. Factory assemble louvers to minimize field splicing and assembly. Disassemble units as necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation.
- B. Maintain equal louver blade spacing, including separation between blades and frames at head and sill, to produce uniform appearance.
- C. Fabricate frames, including integral sills, to fit in openings of sizes indicated, with allowances made for fabrication and installation tolerances, adjoining material tolerances, and perimeter sealant joints.
 - 1. Frame Type: Channel unless otherwise indicated.
- D. Include supports, anchorages, and accessories required for complete assembly.
- E. Provide subsills made of same material as louvers for recessed louvers.

- F. Join frame members to each other and to fixed louver blades with fillet welds concealed from view unless otherwise indicated or size of louver assembly makes bolted connections between frame members necessary.

2.7 ALUMINUM FINISHES

- A. Finish louvers after assembly.
- B. Color Anodic Finish: AAMA 611, AA-M12C22A42/A44, Class I, 0.018 mm or thicker.
 - 1. Color: Medium bronze.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Coordinate setting drawings, diagrams, templates, instructions, and directions for installation of anchorages that are to be embedded in concrete or masonry construction. Coordinate delivery of such items to Project site.

3.2 INSTALLATION

- A. Locate and place louvers level, plumb, and at indicated alignment with adjacent work.
- B. Use concealed anchorages where possible. Provide brass or lead washers fitted to screws where required to protect metal surfaces and to make a weathertight connection.
- C. Form closely fitted joints with exposed connections accurately located and secured.
- D. Provide perimeter reveals and openings of uniform width for sealants and joint fillers, as indicated.
- E. Protect unpainted galvanized- and nonferrous-metal surfaces that are in contact with concrete, masonry, or dissimilar metals from corrosion and galvanic action by applying a heavy coating of bituminous paint or by separating surfaces with waterproof gaskets or nonmetallic flashing.
- F. Install concealed gaskets, flashings, joint fillers, and insulation as louver installation progresses, where weathertight louver joints are required. Comply with Section 079200 "Joint Sealants" for sealants applied during louver installation.

3.3 ADJUSTING AND CLEANING

- A. Clean exposed louver surfaces that are not protected by temporary covering, to remove fingerprints and soil during construction period. Do not let soil accumulate

during construction period.

- B. Before final inspection, clean exposed surfaces with water and a mild soap or detergent not harmful to finishes. Thoroughly rinse surfaces and dry.
- C. Restore louvers damaged during installation and construction, so no evidence remains of corrective work. If results of restoration are unsuccessful, as determined by Architect, remove damaged units and replace with new units.
 - 1. Touch up minor abrasions in finishes with air-dried coating that matches color and gloss of, and is compatible with, factory-applied finish coating.

END OF SECTION 089119

SECTION 092116.23 - GYPSUM BOARD SHAFT WALL ASSEMBLIES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Gypsum board shaft wall assemblies.

1.2 ACTION SUBMITTALS

- A. Product Data: For each component of gypsum board shaft wall assembly.

1.3 DELIVERY, STORAGE, AND HANDLING

- A. Store materials inside under cover and keep them dry and protected against weather, condensation, direct sunlight, construction traffic, and other potential causes of damage. Stack panels flat and support them on risers on a flat platform to prevent sagging.

1.4 FIELD CONDITIONS

- A. Environmental Limitations: Comply with gypsum-shaftliner-board manufacturer's written instructions.
- B. Do not install finish panels until installation areas are enclosed and conditioned.
- C. Do not install panels that are wet, moisture damaged, or mold damaged.
 - 1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, and irregular shape.
 - 2. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Resistance-Rated Assemblies: For fire-resistance-rated assemblies, provide materials and construction identical to those tested in assembly indicated according to ASTM E119 by an independent testing agency.

- B. STC-Rated Assemblies: Provide materials and construction identical to those of assemblies tested according to ASTM E90 and classified according to ASTM E413 by a testing and inspecting agency.

2.2 GYPSUM BOARD SHAFT WALL ASSEMBLIES

- A. Fire-Resistance Rating: 1 hour, 2 hours.
- B. STC Rating: 51, minimum.
- C. Gypsum Shaftliner Board:
 - 1. Type X: ASTM C1396/C1396M; manufacturer's proprietary fire-resistive liner panels with paper faces, 1 inch thick, with double beveled long edges.
 - a. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1) American Gypsum
 - 2) CertainTeed; SAINT-GOBAIN
 - 3) Continental Building Products Inc.
 - 4) Georgia-Pacific Gypsum LLC
 - 5) PABCO Gypsum
 - 6) USG Corporation
 - 2. Moisture- and Mold-Resistant Type X: ASTM C1396/C1396M; manufacturer's proprietary fire-resistive liner panels with ASTM D3273 mold-resistance score of 10 as rated according to ASTM D3274, 1 inch thick, and with double beveled long edges.
 - a. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1) American Gypsum
 - 2) CertainTeed; SAINT-GOBAIN
 - 3) Continental Building Products Inc.
 - 4) Georgia-Pacific Gypsum LLC
 - 5) Gold Bond Building Products, LLC provided by National Gypsum Company
 - 6) PABCO Gypsum
 - 7) USG Corporation
 - 3. Moisture- and Mold-Resistant, Fiberglass-Mat Faced: ASTM C1658/C1658M; manufacturer's proprietary fire-resistive liner panels with ASTM D3273 mold-resistance score of 10 as rated according to ASTM D3274, 1 inch thick, and with double beveled long edges.
 - a. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

- 1) American Gypsum
 - 2) CertainTeed; SAINT-GOBAIN
 - 3) Georgia-Pacific Gypsum LLC
 - 4) Gold Bond Building Products, LLC provided by National Gypsum Company
 - 5) USG Corporation
- D. Non-Load-Bearing Steel Framing, General: Complying with ASTM C645 requirements for metal unless otherwise indicated and complying with requirements for fire-resistance-rated assembly indicated.
1. Protective Coating: Coating with equivalent corrosion resistance of ASTM A653/A653M, G40 unless otherwise indicated.
- E. Studs: Manufacturer's standard profile for repetitive, corner, and end members as follows:
1. Depth: As indicated.
 2. Minimum Base-Metal Thickness: As indicated.
- F. Runner Tracks: Manufacturer's standard J-profile track with manufacturer's standard long-leg length, but at least 2 inches long and matching studs in depth.
1. Minimum Base-Metal Thickness: As indicated.
- G. Firestop Tracks: Top runner manufactured to allow partition heads to expand and contract with movement of the structure while maintaining continuity of fire-resistance-rated assembly indicated; in thickness not less than indicated for studs and in width to accommodate depth of studs.
1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Fire Trak Corp
 - b. GCP Applied Technologies Inc.
 - c. Metal-Lite
 - d. SCAFCO Steel Stud Company; Stone Group of Companies
 - e. Steel Construction Systems; Stone Group of Companies
 - f. Steel Network, Inc. (The)
- H. Elevator-Hoistway-Entrance Struts: Manufacturer's standard J-profile jamb strut with long-leg length of 3 inches, matching studs in depth, and not less than 0.033 inch thick.
- I. Finish Panels: Gypsum board as specified in Section 092900 "Gypsum Board."
- J. Sound Attenuation Blankets: As specified in Section 092900 "Gypsum Board."

2.3 AUXILIARY MATERIALS

- A. Provide auxiliary materials that comply with shaft wall manufacturer's written instructions.
- B. Trim Accessories: Cornerbead, edge trim, and control joints of material and shapes as specified in Section 092900 "Gypsum Board" that comply with gypsum board shaft wall assembly manufacturer's written instructions for application indicated.
- C. Steel Drill Screws: ASTM C1002 unless otherwise indicated.
- D. Track Fasteners: Power-driven fasteners of size and material required to withstand loading conditions imposed on shaft wall assemblies without exceeding allowable design stress of track, fasteners, or structural substrates in which anchors are embedded.
 - 1. Expansion Anchors: Fabricated from corrosion-resistant materials, with allowable load or strength design capacities calculated according to ICC-ES AC193 and ACI 318 greater than or equal to the design load, as determined by testing per ASTM E488/E488M conducted by a qualified testing agency.
 - 2. Power-Actuated Anchors: Fastener system of type suitable for application indicated, fabricated from corrosion-resistant materials, with allowable load capacities calculated according to ICC-ES AC70, greater than or equal to the design load, as determined by testing per ASTM E1190 conducted by a qualified testing agency.
- E. Reinforcing: Galvanized-steel reinforcing strips with 0.033-inch minimum thickness of base metal (uncoated).
- F. Acoustical Sealant: Section 079219 "Acoustical Joint Sealants."
- G. Gypsum Board Cants:
 - 1. Gypsum Board Panels: As specified in Section 092900 "Gypsum Board," Type X, 1/2- or 5/8-inch panels.
 - 2. Adhesive: Laminating adhesive as specified in Section 092900 "Gypsum Board."

PART 3 - EXECUTION

3.1 PREPARATION

- A. Sprayed Fire-Resistive Materials: Coordinate with gypsum board shaft wall assemblies so both elements of Work remain complete and undamaged. Patch or replace sprayed fire-resistive materials removed or damaged during installation of shaft wall assemblies to comply with requirements specified in Section 078100 "Applied Fire Protection."
- B. After sprayed fire-resistive materials are applied, remove only to extent necessary for installation of gypsum board shaft wall assemblies and without reducing the fire-resistive material thickness below that which is required to obtain fire-resistance rating

indicated. Protect remaining fire-resistive materials from damage.

3.2 INSTALLATION

- A. General: Install gypsum board shaft wall assemblies to comply with requirements of fire-resistance-rated assemblies indicated and manufacturer's written installation instructions.
- B. Do not bridge building expansion joints with shaft wall assemblies; frame both sides of expansion joints with furring and other support.
- C. Install supplementary framing in gypsum board shaft wall assemblies around openings and as required for blocking, bracing, and support of gravity and pullout loads of fixtures, equipment, services, heavy trim, furnishings, wall-mounted door stops, and similar items that cannot be supported directly by shaft wall assembly framing.
 - 1. Elevator Hoistway: At elevator hoistway-entrance door frames, provide jamb struts on each side of door frame.
 - 2. Reinforcing: Provide where items attach directly to shaft wall assembly as indicated on Drawings; accurately position and secure behind at least one layer of face panel.
- D. Penetrations: At penetrations in shaft wall, maintain fire-resistance rating of shaft wall assembly by installing supplementary steel framing around perimeter of penetration and fire protection behind boxes containing wiring devices, elevator call buttons and floor indicators, and similar items.
- E. Isolate perimeter of gypsum panels from building structure to prevent cracking of panels while maintaining continuity of fire-rated construction.
- F. Firestop Tracks: Where indicated, install to maintain continuity of fire-resistance-rated assembly indicated.
- G. Control Joints: Install control joints according to ASTM C840 and in specific locations approved by Architect while maintaining fire-resistance rating of gypsum board shaft wall assemblies.
- H. Sound-Rated Shaft Wall Assemblies: Seal gypsum board shaft walls with acoustical sealant at perimeter of each assembly where it abuts other work and at joints and penetrations within each assembly.
- I. Gypsum Board Cants: At projections into shaft exceeding 4 inches, install gypsum board cants covering tops of projections.
 - 1. Slope cant panels at least 75 degrees from horizontal. Set base edge of panels in adhesive and secure top edges to shaft walls at 24 inches o.c. with screws fastened to shaft wall framing.
 - 2. Where non-load-bearing steel framing is required to support gypsum board cants, install framing at 24 inches o.c. and extend studs from the projection to shaft wall framing.

- J. Installation Tolerance: Install each framing member so fastening surfaces vary not more than 1/8 inch from the plane formed by faces of adjacent framing.

3.3 PROTECTION

- A. Protect installed products from damage from weather, condensation, direct sunlight, construction, and other causes during remainder of the construction period.
- B. Remove and replace panels that are wet, moisture damaged, or mold damaged.
 - 1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, and irregular shape.
 - 2. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

END OF SECTION 092116.23

SECTION 092900 - GYPSUM BOARD

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Interior gypsum board.
 - 2. Tile backing panels.

1.2 ACTION SUBMITTALS

- A. Product Data: For the following:
 - 1. Gypsum board, Type X.
 - 2. Gypsum ceiling board.
 - 3. Mold-resistant gypsum board.
 - 4. Glass-mat, water-resistant backing board.
 - 5. Sound-attenuation blankets.
- B. Shop Drawings: Show locations and installation of control and expansion joints, including plans, elevations, sections, details of components, and attachments to other work.
- C. Samples: For the following products:
 - 1. Trim Accessories: Full-size Sample in 12-inch- long length for each trim accessory indicated.

1.3 DELIVERY, STORAGE AND HANDLING

- A. Store materials inside under cover and keep them dry and protected against weather, condensation, direct sunlight, construction traffic, and other potential causes of damage. Stack panels flat and supported on risers on a flat platform to prevent sagging.

1.4 FIELD CONDITIONS

- A. Environmental Limitations: Comply with ASTM C840 requirements or gypsum board manufacturer's written instructions, whichever are more stringent.
- B. Do not install paper-faced gypsum panels until installation areas are enclosed and conditioned.

- C. Do not install panels that are wet, moisture damaged, and mold damaged.
 - 1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
 - 2. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain each type of gypsum panel and joint finishing material from single source with resources to provide products of consistent quality in appearance and physical properties.

2.2 PERFORMANCE REQUIREMENTS

- A. Fire-Resistance-Rated Assemblies: For fire-resistance-rated assemblies, provide materials and construction identical to those tested in assembly indicated in accordance with ASTM E119 by an independent testing agency.
- B. STC-Rated Assemblies: For STC-rated assemblies, provide materials and construction identical to those tested in assembly indicated in accordance with ASTM E90 and classified in accordance with ASTM E413 by an independent testing agency.

2.3 GYPSUM BOARD, GENERAL

- A. Size: Provide maximum lengths and widths available that will minimize joints in each area and that correspond with support system indicated.

2.4 INTERIOR GYPSUM BOARD

- A. Gypsum Board, Type X: ASTM C1396/C1396M.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. American Gypsum
 - b. CertainTeed; SAINT-GOBAIN
 - c. Continental Building Products Inc.
 - d. Georgia-Pacific Gypsum LLC
 - e. Gold Bond Building Products, LLC provided by National Gypsum Company
 - f. PABCO Gypsum
 - g. Panel Rey
 - h. USG Corporation

2. Thickness: 5/8 inch.
3. Long Edges: Tapered.

B. Gypsum Ceiling Board: ASTM C1396/C1396M.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. American Gypsum
 - b. CertainTeed; SAINT-GOBAIN
 - c. Continental Building Products Inc.
 - d. Georgia-Pacific Gypsum LLC
 - e. Gold Bond Building Products, LLC provided by National Gypsum Company
 - f. PABCO Gypsum
 - g. Panel Rey
2. Thickness: 1/2 inch.
3. Long Edges: Tapered.

C. Mold-Resistant Gypsum Board: ASTM C1396/C1396M. With moisture- and mold-resistant core and paper surfaces.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. American Gypsum
 - b. CertainTeed; SAINT-GOBAIN
 - c. Continental Building Products Inc.
 - d. Georgia-Pacific Gypsum LLC
 - e. Gold Bond Building Products, LLC provided by National Gypsum Company
 - f. PABCO Gypsum
 - g. Panel Rey
 - h. USG Corporation
2. Core: 5/8 inch, Type X.
3. Long Edges: Tapered.
4. Mold Resistance: ASTM D3273, score of 10 as rated in accordance with ASTM D3274.

2.5 TILE BACKING PANELS

A. Glass-Mat, Water-Resistant Backing Board: ASTM C1178/C1178M, with manufacturer's standard edges.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. CertainTeed; SAINT-GOBAIN
 - b. Georgia-Pacific Gypsum LLC
 - c. Gold Bond Building Products, LLC provided by National Gypsum Company

- d. USG Corporation
- 2. Core: 5/8 inch, Type X.
- 3. Mold Resistance: ASTM D3273, score of 10 as rated in accordance with ASTM D3274.

2.6 TRIM ACCESSORIES

- A. Interior Trim: ASTM C1047.
 - 1. Material: Galvanized or aluminum-coated steel sheet, rolled zinc, plastic, or paper-faced galvanized-steel sheet.
 - 2. Shapes:
 - a. Cornerbead.
 - b. LC-Bead: J-shaped; exposed long flange receives joint compound.
 - c. L-Bead: L-shaped; exposed long flange receives joint compound.
 - d. U-Bead: J-shaped; exposed short flange does not receive joint compound.
 - e. Expansion (control) joint.

2.7 JOINT TREATMENT MATERIALS

- A. General: Comply with ASTM C475/C475M.
- B. Joint Tape:
 - 1. Interior Gypsum Board: Paper.
 - 2. Tile Backing Panels: As recommended by panel manufacturer.
- C. Joint Compound for Interior Gypsum Board: For each coat, use formulation that is compatible with other compounds applied on previous or for successive coats.
 - 1. Prefilling: At open joints and damaged surface areas, use setting-type taping compound.
 - 2. Embedding and First Coat: For embedding tape and first coat on joints, fasteners, and trim flanges, use setting-type taping compound.
 - a. Use setting-type compound for installing paper-faced metal trim accessories.
 - 3. Fill Coat: For second coat, use drying-type, all-purpose compound.
 - 4. Finish Coat: For third coat, use drying-type, all-purpose compound.
 - 5. Skim Coat: For final coat of Level 5 finish, use drying-type, all-purpose compound.
- D. Joint Compound for Tile Backing Panels:
 - 1. Glass-Mat, Water-Resistant Backing Panel: As recommended by backing panel manufacturer.

2.8 AUXILIARY MATERIALS

- A. Provide auxiliary materials that comply with referenced installation standards and manufacturer's written instructions.
- B. Laminating Adhesive: Adhesive or joint compound recommended for directly adhering gypsum panels to continuous substrate.
- C. Steel Drill Screws: ASTM C1002 unless otherwise indicated.
 - 1. Use screws complying with ASTM C954 for fastening panels to steel members from 0.033 to 0.112 inch thick.
 - 2. For fastening cementitious backer units, use screws of type and size recommended by panel manufacturer.
- D. Sound-Attenuation Blankets: ASTM C665, Type I (blankets without membrane facing) produced by combining thermosetting resins with mineral fibers manufactured from glass, slag wool, or rock wool.
 - 1. Fire-Resistance-Rated Assemblies: Comply with mineral-fiber requirements of assembly.
- E. Acoustical Sealant: As specified in Section 079219 "Acoustical Joint Sealants."
- F. Thermal Insulation: As specified in Section 072100 "Thermal Insulation."

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and substrates including welded hollow-metal frames and support framing, with Installer present, for compliance with requirements and other conditions affecting performance of the Work.
- B. Examine panels before installation. Reject panels that are wet, moisture damaged, and mold damaged.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION AND FINISHING OF PANELS, GENERAL

- A. Comply with ASTM C840.
- B. Install ceiling panels across framing to minimize the number of abutting end joints and to avoid abutting end joints in central area of each ceiling. Stagger abutting end joints of adjacent panels not less than one framing member.
- C. Install panels with face side out. Butt panels together for a light contact at edges and

ends with not more than 1/16 inch of open space between panels. Do not force into place.

- D. Locate edge and end joints over supports, except in ceiling applications where intermediate supports or gypsum board back-blocking is provided behind end joints. Do not place tapered edges against cut edges or ends. Stagger vertical joints on opposite sides of partitions. Do not make joints other than control joints at corners of framed openings.
- E. Form control and expansion joints with space between edges of adjoining gypsum panels.
- F. Cover both faces of support framing with gypsum panels in concealed spaces (above ceilings, etc.), except in chases braced internally.
 - 1. Unless concealed application is indicated or required for sound, fire, air, or smoke ratings, coverage may be accomplished with scraps of not less than 8 sq. ft. in area.
 - 2. Fit gypsum panels around ducts, pipes, and conduits.
 - 3. Where partitions intersect structural members projecting below underside of floor/roof slabs and decks, cut gypsum panels to fit profile formed by structural members; allow 1/4- to 3/8-inch- wide joints to install sealant.
- G. Isolate perimeter of gypsum board applied to non-load-bearing partitions at structural abutments. Provide 1/4- to 1/2-inch- wide spaces at these locations and trim edges with edge trim where edges of panels are exposed. Seal joints between edges and abutting structural surfaces with acoustical sealant.
- H. Wood Framing: Install gypsum panels over wood framing, with floating internal corner construction. Do not attach gypsum panels across the flat grain of wide-dimension lumber, including floor joists and headers. Float gypsum panels over these members or provide control joints to counteract wood shrinkage.
- I. STC-Rated Assemblies: Seal construction at perimeters, behind control joints, and at openings and penetrations with a continuous bead of acoustical sealant. Install acoustical sealant at both faces of partitions at perimeters and through penetrations. Comply with ASTM C919 and with manufacturer's written instructions for locating edge trim and closing off sound-flanking paths around or through assemblies, including sealing partitions above acoustical ceilings.
- J. Install sound attenuation blankets before installing gypsum panels unless blankets are readily installed after panels have been installed on one side.

3.3 INSTALLATION OF INTERIOR GYPSUM BOARD

- A. Install interior gypsum board in the following locations:
 - 1. Type X: Vertical surfaces unless otherwise indicated.
 - 2. Ceiling Type: Ceiling surfaces.
 - 3. Mold-Resistant Type: As indicated on Drawings.

4. Glass-Mat Interior Type: As indicated on Drawings.
5. Skim-Coated Type: As indicated on Drawings.

B. Single-Layer Application:

1. On ceilings, apply gypsum panels before wall/partition board application to greatest extent possible and at right angles to framing unless otherwise indicated.
2. On partitions/walls, apply gypsum panels vertically (parallel to framing) unless otherwise indicated or required by fire-resistance-rated assembly, and minimize end joints.
 - a. Stagger abutting end joints not less than one framing member in alternate courses of panels.
 - b. At stairwells and other high walls, install panels horizontally unless otherwise indicated or required by fire-resistance-rated assembly.
3. On Z-shaped furring members, apply gypsum panels vertically (parallel to framing) with no end joints. Locate edge joints over furring members.
4. Fastening Methods: Apply gypsum panels to supports with steel drill screws.

C. Multilayer Application:

1. On ceilings, apply gypsum board indicated for base layers before applying base layers on walls/partitions; apply face layers in same sequence. Apply base layers at right angles to framing members and offset face-layer joints one framing member, 16 inches minimum, from parallel base-layer joints, unless otherwise indicated or required by fire-resistance-rated assembly.
2. On partitions/walls, apply gypsum board indicated for base layers and face layers vertically (parallel to framing) with joints of base layers located over stud or furring member and face-layer joints offset at least one stud or furring member with base-layer joints unless otherwise indicated or required by fire-resistance-rated assembly. Stagger joints on opposite sides of partitions.
3. Fastening Methods: Fasten base layers and face layers separately to supports with screws.

- D. Laminating to Substrate: Where gypsum panels are indicated as directly adhered to a substrate (other than studs, joists, furring members, or base layer of gypsum board), comply with gypsum board manufacturer's written instructions and temporarily brace or fasten gypsum panels until fastening adhesive has set.

3.4 INSTALLATION OF TILE BACKING PANELS

- A. Glass-Mat, Water-Resistant Backing Panels: Comply with manufacturer's written installation instructions and install at showers, tubs, and where indicated on Drawings, locations indicated to receive tile. Install with 1/4-inch gap where panels abut other construction or penetrations.
- B. Where tile backing panels abut other types of panels in same plane, shim surfaces to produce a uniform plane across panel surfaces.

3.5 INSTALLATION OF TRIM ACCESSORIES

- A. Control Joints: Install control joints in accordance with ASTM C840 and in specific locations approved by Architect for visual effect.
- B. Interior Trim: Install in the following locations:
 - 1. Cornerbead: Use at outside corners.
 - 2. LC-Bead: Use at exposed panel edges.
 - 3. L-Bead: Use where indicated on Drawings.
 - 4. U-Bead: Use at exposed panel edges.

3.6 FINISHING OF GYPSUM BOARD

- A. General: Treat gypsum board joints, interior angles, edge trim, control joints, penetrations, fastener heads, surface defects, and elsewhere as required to prepare gypsum board surfaces for decoration. Promptly remove residual joint compound from adjacent surfaces.
- B. Prefill open joints and damaged surface areas.
- C. Apply joint tape over gypsum board joints, except for trim products specifically indicated as not intended to receive tape.
- D. Gypsum Board Finish Levels: Finish panels to levels indicated below and in accordance with ASTM C840:
 - 1. Level 1: Ceiling plenum areas, concealed areas, and where indicated.
 - 2. Level 2: Panels that are substrate for tile.
 - 3. Level 3: Where indicated on Drawings.
 - 4. Level 4: At panel surfaces that will be exposed to view unless otherwise indicated.
 - a. Primer and its application to surfaces are specified in Section 099123 "Interior Painting."
 - 5. Level 5: Where indicated on Drawings.
 - a. Primer and its application to surfaces are specified in Section 099123 "Interior Painting."
- E. Glass-Mat Faced Panels: Finish according to manufacturer's written instructions.

3.7 PROTECTION

- A. Protect adjacent surfaces from drywall compound and promptly remove from floors and other non-drywall surfaces. Repair surfaces stained, marred, or otherwise damaged during drywall application.

- B. Protect installed products from damage from weather, condensation, direct sunlight, construction, and other causes during remainder of the construction period.
- C. Remove and replace panels that are wet, moisture damaged, and mold damaged.
 - 1. Indications that panels are wet or moisture damaged include, but are not limited to, discoloration, sagging, or irregular shape.
 - 2. Indications that panels are mold damaged include, but are not limited to, fuzzy or splotchy surface contamination and discoloration.

END OF SECTION 092900

SECTION 093013 - CERAMIC TILING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Quarry tile.
 - 2. Porcelain tile.
 - 3. Ceramic mosaic tile.
 - 4. Waterproof membranes.
 - 5. Crack isolation membranes.
 - 6. Setting material.
 - 7. Grout materials.

1.2 ACTION SUBMITTALS

- A. Product Data:
 - 1. Quarry tile.
 - 2. Porcelain tile.
 - 3. Ceramic mosaic tile.
 - 4. Waterproof membranes.
 - 5. Crack isolation membranes.
 - 6. Setting material.
 - 7. Grout materials.
- B. Shop Drawings: Show locations, plans, and elevations, of each type of tile and tile pattern. Show widths, details, and locations of movement joints in tile substrates and finished tile surfaces.
- C. Samples for Initial Selection: For tile, grout, and accessories involving color selection or shade variation.
- D. Samples for Verification:
 - 1. Full-size units of each type and composition of tile and for each color and finish required. For ceramic mosaic tile in color blend patterns, provide full sheets of each color blend.
 - 2. Assembled samples mounted on a rigid panel, with grouted joints, for each type and composition of tile and for each color and finish required. Make samples at least 12 inches square, but not fewer than four tiles. Use grout of type and in color or colors approved for completed Work.
 - 3. Full-size units of each type of trim and accessory for each color and finish required.
 - 4. Metal flooring transitions 6-inch lengths.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Master Grade Certificates: For each shipment, type, and composition of tile, signed by tile manufacturer and Installer.
- C. Product Certificates: For each type of product, including product use classification.
- D. Product Test Reports:
 - 1. Tile-setting and -grouting products.
 - 2. Certified porcelain tile.
 - 3. Slip-resistance test reports from qualified independent testing agency.
- E. Field Quality-Control Reports: Water test reports of membrane in wet areas.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications:
 - 1. Installer is a Five-Star member of the National Tile Contractors Association, or, a Trowel of Excellence member of the Tile Contractors' Association of America.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store packaged materials in original containers with seals unbroken and labels intact until time of use. Comply with requirements in ANSI A137.1 for labeling tile packages.
- B. Store tile and cementitious materials on elevated platforms, under cover, and in a dry location.
- C. Store aggregates where grading and other required characteristics can be maintained and contamination can be avoided.
- D. Store liquid materials in unopened containers and protected from freezing.

1.6 FIELD CONDITIONS

- A. Environmental Limitations: Do not install tile until construction in spaces is complete and ambient temperature and humidity conditions are maintained at the levels indicated in "Referenced Standards" Article in the Evaluations and manufacturer's written instructions.

1.7 WARRANTY

- A. System Warranty: Manufacturer's non-prorated comprehensive warranty that agrees to repair and replace defective installation areas, material, and labor that fail under normal usage within specified warranty period.
 - 1. Warranty Period: Five years from date of Product Purchase.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Tile: Obtain tile of each type and color or finish from single source or producer.
 - 1. Obtain tile of each type and color or finish from same production run and of consistent quality in appearance and physical properties for each contiguous area.
- B. Tiling System: Obtain system products from single manufacturer and each aggregate from single source or producer.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. ARDEX Americas
 - b. Custom Building Products
 - c. Laticrete International, Inc.
 - d. MAPEI Corporation
 - 2. Obtain setting and grouting materials, except for unmodified portland cement and aggregate, from single manufacturer.
 - 3. Obtain underlayment from manufacturer of setting and grouting materials.
 - 4. Obtain waterproof membrane, crack isolation, and other required membranes from manufacturer of setting and grouting materials.
 - 5. Obtain joint sealants from manufacturer of setting and grouting materials.
- C. Accessory Products: Obtain each of the following products specified in this Section from a single manufacturer:
 - 1. Backer units.

2.2 PRODUCTS, GENERAL

- A. ANSI Ceramic Tile Standard: Provide tile that complies with ANSI A137.1 for types, compositions, and other characteristics indicated.
 - 1. Provide tile complying with Standard Grade requirements unless otherwise indicated.

- B. ANSI Standards for Tile Installation Materials: Provide materials complying with ANSI A108.02, ANSI standards referenced in other Part 2 articles, ANSI standards referenced by TCNA installation methods specified in tile installation schedules, and other requirements specified.
- C. Factory Blending: For tile exhibiting color variations within ranges, blend tile in factory and package so tile units taken from one package show same range in colors as those taken from other packages and match approved Samples.
- D. Mounting: For factory-mounted tile, provide back- or edge-mounted tile assemblies as standard with manufacturer unless otherwise indicated.
 - 1. Where tile is indicated for installation in swimming pools, or, do not use back- or edge-mounted tile assemblies unless tile manufacturer specifies in writing that this type of mounting is suitable for installation indicated and has a record of successful in-service performance.
- E. Factory-Applied Temporary Protective Coating: Where indicated under tile type, protect exposed surfaces of tile against adherence of mortar and grout by precoating with continuous film of petroleum paraffin wax, applied hot. Do not coat unexposed tile surfaces.

2.3 QUARRY TILE

- A. Quarry Tile Type:
 - 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
 - 2. Grout Color: As selected by Architect from manufacturer's full range.
 - 3. Trim Units: Coordinated with sizes and coursing of adjoining flat tile where applicable and matching characteristics of adjoining flat tile. Provide shapes as follows, selected from manufacturer's standard shapes:

2.4 PORCELAIN TILE

- A. Porcelain Tile Type:
 - 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
 - 2. Certification: Tile certified by the Porcelain Tile Certification Agency.
 - 3. Grout Color: As selected by Architect from manufacturer's full range.

4. Precoat with temporary protective coating.
5. Trim Units: Coordinated with sizes and coursing of adjoining flat tile where applicable and matching characteristics of adjoining flat tile. Provide shapes as follows, selected from manufacturer's standard shapes:

2.5 CERAMIC MOSAIC TILE

A. Ceramic Mosaic Tile Type:

1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
2. Certification: Porcelain tile certified by the Porcelain Tile Certification Agency.
3. Grout Color: As selected by Architect from manufacturer's full range.
4. Trim Units: Coordinated with sizes and coursing of adjoining flat tile where applicable and matching characteristics of adjoining flat tile. Provide shapes as follows, selected from manufacturer's standard shapes:

2.6 WATERPROOF MEMBRANES

- A. General: Manufacturer's standard product that complies with ANSI A118.10 and ANSI A118.12 and is recommended by manufacturer for application indicated. Include reinforcement and accessories recommended by manufacturer.
- B. Waterproof Membrane, Fluid Applied: Liquid-latex rubber or elastomeric polymer with continuous fabric reinforcement.
 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. ARDEX Americas
 - b. Custom Building Products
 - c. Laticrete International, Inc.
 - d. MAPEI Corporation

2.7 CRACK ISOLATION MEMBRANES

- A. General: Manufacturer's standard product that complies with ANSI A118.12 for high performance and is recommended by manufacturer for application indicated. Include reinforcement and accessories recommended by manufacturer.
- B. Crack Isolation Membrane, Asphaltic Sheet: Self-adhering, modified-asphalt sheet with fabric reinforcement facing.
 1. Manufacturers: Subject to compliance with requirements, provide products by

one of the following:

- a. Custom Building Products
- b. MAPEI Corporation

2.8 SETTING MATERIALS

A. Modified Dry-Set Mortar (Thinset): ANSI A118.4.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. ARDEX Americas
 - b. Custom Building Products
 - c. Laticrete International, Inc.
 - d. MAPEI Corporation
2. Provide prepackaged, dry-mortar mix containing dry, redispersible, vinyl acetate or acrylic additive to which only water must be added at Project site.
3. For wall applications, provide mortar that complies with requirements for nonsagging mortar in addition to other requirements in ANSI A118.4.

B. Water-Cleanable, Tile-Setting Epoxy: ANSI A118.3.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. ARDEX Americas
 - b. Custom Building Products
 - c. Laticrete International, Inc.
 - d. MAPEI Corporation
2. Provide product capable of withstanding continuous and intermittent exposure to temperatures of up to 140 and 212 deg F, respectively, and certified by manufacturer for intended use.

C. Organic Adhesive: ANSI A136.1, Type I.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. ARDEX Americas
 - b. Custom Building Products
 - c. Laticrete International, Inc.
 - d. MAPEI Corporation

2.9 GROUT MATERIALS

A. High-Performance Tile Grout: ANSI A118.7.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. ARDEX Americas
 - b. Custom Building Products
 - c. Laticrete International, Inc.
 - d. MAPEI Corporation
2. Polymer Type:
 - a. Dry, redispersible form, prepackaged with other dry ingredients.

B. Water-Cleanable Epoxy Grout: ANSI A118.3.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. ARDEX Americas
 - b. Custom Building Products
 - c. Laticrete International, Inc.
 - d. MAPEI Corporation
2. Provide product capable of withstanding continuous and intermittent exposure to temperatures of up to 140 and 212 deg F, respectively, and certified by manufacturer for intended use.

C. Grout for PregROUTed Tile Sheets: Same product used in factory to pregROUT tile sheets.

2.10 MISCELLANEOUS MATERIALS

- A. Trowelable Underlayments and Patching Compounds: Latex-modified, portland cement-based formulation provided or approved by manufacturer of tile-setting and adhesive materials for installations indicated.
- B. Vapor-Retarder Membrane: Polyethylene sheeting, ASTM D4397, 4.0 mils thick.
- C. Metal Flooring Transitions: Profile designed specifically for flooring applications; height to match tile and setting-bed thickness.
 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- D. Metal Edge Trim: Wall terminations and edge protection.
 1. Manufacturers: Subject to compliance with requirements, provide products by the following:

- a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- E. Temporary Protective Coating: Formulated to protect exposed surfaces of tile against adherence of mortar and grout; compatible with tile, mortar, and grout products and easily removable after grouting is completed without damaging grout or tile.
- F. Tile Cleaner: A neutral cleaner capable of removing soil and residue without harming tile and grout surfaces, specifically approved for materials and installations indicated by tile and grout manufacturers.
- G. Grout Sealer: Grout manufacturer's standard product for sealing grout joints that does not change color or appearance of grout.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Remove coatings, including curing compounds or other coatings, that are incompatible with tile-setting materials.
- B. Fill cracks, holes, and depressions in concrete substrates for tile floors installed with adhesives, or, thinset mortar with trowelable leveling and patching compound specifically recommended by tile-setting material manufacturer.
- C. Where indicated, prepare substrates to receive waterproof membrane by applying a reinforced mortar bed that complies with ANSI A108.1 and is sloped 1/4 inch per foot toward drains.
- D. Blending: For tile exhibiting color variations, verify that tile has been factory blended and packaged so tile units taken from one package show same range of colors as those taken from other packages and match approved Samples. If not factory blended, either return to manufacturer or blend tiles at Project site before installing.
- E. Substrate Flatness:
 - 1. For tile shorter than 15 inches, confirm that structure or substrate is limited to variation of 1/4 inch in 10 ft. from the required plane, and no more than 1/16 inch in 12 inches when measured from tile surface high points.
 - 2. For large format tile, tile with at least one edge 15 inches or longer, confirm that structure or substrate is limited to 1/8 inch in 10 ft. from the required plane, and no more than 1/16 inch in 24 inches when measured from tile surface high points.
- F. Field-Applied Temporary Protective Coating: If indicated under tile type or needed to prevent grout from staining or adhering to exposed tile surfaces, precoat them with continuous film of temporary protective coating, taking care not to coat unexposed tile surfaces.

3.2 INSTALLATION OF CERAMIC TILE SYSTEM

- A. Install tile backing panels and treat joints in accordance with ANSI A108.11 and manufacturer's written instructions for type of application indicated.
- B. Install waterproof membrane to comply with ANSI A108.13 and manufacturer's written instructions to produce waterproof membrane of uniform thickness that is bonded securely to substrate.
 - 1. Allow waterproof membrane to cure and verify by testing that it is watertight before installing tile or setting materials over it.
- C. Install crack isolation membrane to comply with ANSI A108.17 and manufacturer's written instructions to produce membrane of uniform thickness that is bonded securely to substrate.
 - 1. Allow crack isolation membrane to cure before installing tile or setting materials over it.
- D. Mix mortars and grouts to comply with "Referenced Standards" Article in the Evaluations and mortar and grout manufacturers' written instructions.
 - 1. Add materials, water, and additives in accurate proportions.
 - 2. Obtain and use type of mixing equipment, mixer speeds, mixing containers, mixing time, and other procedures to produce mortars and grouts of uniform quality with optimum performance characteristics for installations indicated.
- E. Install tile in accordance with TCNA's "Handbook for Ceramic, Glass, and Stone Tile Installation" for TCNA installation methods specified in tile installation schedules. Comply with parts of ANSI A108 series that are referenced in TCNA installation methods and specified in tile installation schedules, and apply to types of setting and grouting materials used.
 - 1. For the following installations, follow procedures in ANSI A108 series of tile installation standards for providing 95 percent mortar coverage:
 - a. Exterior tile floors and walls.
 - b. Tile floors in wet areas.
 - c. Tile swimming pool decks.
 - d. Tile floors in laundries.
 - e. Tile floors consisting of tiles 8 by 8 inches or larger.
 - f. Tile floors consisting of rib-backed tiles.
 - 2. Extend tile work into recesses and under or behind equipment and fixtures to form complete covering without interruptions unless otherwise indicated. Terminate work neatly at obstructions, edges, and corners without disrupting pattern or joint alignments.
 - 3. Accurately form intersections and returns. Perform cutting and drilling of tile without marring visible surfaces. Carefully grind cut edges of tile abutting trim, finish, or built-in items for straight aligned joints. Fit tile closely to electrical outlets, piping, fixtures, and other penetrations so plates, collars, or covers

- overlap tile.
 - 4. Provide manufacturer's standard trim shapes where necessary to eliminate exposed tile edges.
 - 5. Where accent tile differs in thickness from field tile, vary setting-bed thickness so that tiles are flush.
 - 6. Jointing Pattern: Lay tile in grid pattern unless otherwise indicated. Lay out tile work and center tile fields in both directions in each space or on each wall area. Lay out tile work to minimize use of pieces that are less than half of a tile. Provide uniform joint widths unless otherwise indicated.
 - a. For tile mounted in sheets, make joints between tile sheets same width as joints within tile sheets, so joints between sheets are not apparent in finished Work.
 - b. Where adjoining tiles on floor, base, walls, or trim are specified or indicated to be same size, align joints.
 - c. Where tiles are specified or indicated to be whole integer multiples of adjoining tiles on floor, base, walls, or trim, align joints unless otherwise indicated.
 - 7. Lay out tile wainscots to dimensions indicated or to next full tile beyond dimensions indicated.
- F. Movement Joints: Provide movement joints and other sealant-filled joints, including control, contraction, and isolation joints, where indicated on Drawings. Form joints during installation of setting materials, mortar beds, and tile. Keep joints free of dirt, debris, and setting materials prior to filling with sealants. Do not saw-cut joints after installing tiles.
- 1. Where joints occur in concrete substrates, locate joints in tile surfaces directly above them.
- G. Thresholds: Install stone and solid surface thresholds in same type of setting bed as adjacent floor unless otherwise indicated.
- 1. At locations where mortar bed (thickset) would otherwise be exposed above adjacent floor finishes, set thresholds in modified dry-set mortar (thinset).
 - 2. Do not extend waterproof membrane, or under thresholds set in modified dry-set mortar. Fill joints between such thresholds and adjoining tile set on waterproof membrane, crack isolation membrane with elastomeric sealant.
- H. Metal Flooring Transitions: Install at locations indicated.
- I. Metal Wall Trim: Install at locations indicated on Drawings.

3.3 FIELD QUALITY CONTROL

- A. Water Test:
- 1. Test of waterproofing membrane in showers and similar areas to be performed by Installation Contractor before setting tile.

- a. Perform test after 24 hours of waterproof membrane installation.
- b. Insert test plug in drain or waste line.
- c. Fill shower base with water, high enough that the membrane-to-drain connection and floor-to-wall transition can be evaluated, and mark wall.
- d. Check for leaks after 24 hours.

2. Test to be witnessed by Architect.

B. Nonconforming Work:

1. Waterproof membrane will be considered defective if water level has dropped.
2. Remove and replace defective components and retest.

3.4 ADJUSTING AND CLEANING

- A. Remove and replace tile that is damaged or that does not match adjoining tile. Provide new matching units, installed as specified and in a manner to eliminate evidence of replacement.
- B. Cleaning: On completion of placement and grouting, clean all ceramic tile surfaces so they are free of foreign matter.
 1. Remove grout residue from tile as soon as possible.
 2. Clean grout smears and haze from tile in accordance with tile and grout manufacturer's written instructions. Use only cleaners recommended by tile and grout manufacturers and only after determining that cleaners are safe to use by testing on samples of tile and other surfaces to be cleaned. Protect metal surfaces and plumbing fixtures from effects of cleaning. Flush surfaces with clean water before and after cleaning.

3.5 PROTECTION

- A. Protect installed tile work with kraft paper or other heavy covering during construction period to prevent staining, damage, and wear. If recommended by tile manufacturer, apply coat of neutral protective cleaner to completed tile walls and floors.
- B. Prohibit foot and wheel traffic from tiled floors for at least seven days after grouting is completed.
- C. Before final inspection, remove protective coverings and rinse neutral protective cleaner from tile surfaces.

3.6 INTERIOR CERAMIC TILE INSTALLATION SCHEDULE

- A. Interior Floor Installations, Concrete Subfloor:
 1. TCNA F125-Full: Thinset mortar on crack isolation membrane.

- a. Thinset Mortar: Modified dry-set mortar.
 - b. Grout: Water-cleanable epoxy grout.
 - c. Crack Isolation Membrane: Fabric-reinforced, fluid-applied membrane.
 - d. Joint Width: 1/8 inch.
 - e. Movement Joints: Types located on Drawings.
- B. Interior Floor Installations, Wood Subfloor:
 - 1. TCNA F142: Organic adhesive on plywood underlayment.
 - a. Grout: Water-cleanable epoxy grout.
 - b. Joint Width: 1/8 inch.
 - c. Movement Joints: Types located on Drawings.
- C. Interior Wall Installations, Wood or Metal Studs or Furring:
 - 1. TCNA W245: Thinset mortar on glass-mat, water-resistant gypsum backer board over waterproof membrane.
 - a. Thinset Mortar: Modified dry-set mortar.
 - b. Grout: Water-cleanable epoxy grout.
 - c. Waterproof Membrane: Fabric-reinforced, fluid-applied membrane.
 - d. Joint Width: 1/8 inch.
 - e. Movement Joints: Types located on Drawings.
- D. Bathtub/Shower Wall Installations:
 - 1. TCNA B419: Thinset mortar over waterproof membrane on coated glass-mat, water-resistant gypsum backer board.
 - a. Thinset Mortar: Modified dry-set mortar.
 - b. Grout: Water-cleanable epoxy grout.
 - c. Waterproof Membrane: Fabric-reinforced, fluid-applied membrane.
 - d. Joint Width: 1/8 inch.
 - e. Movement Joints: Types located on Drawings.

END OF SECTION 093013

SECTION 095113 - ACOUSTICAL PANEL CEILINGS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Acoustical panels.
 - 2. Metal suspension system.
- B. Products furnished, but not installed under this Section, include anchors, clips, and other ceiling attachment devices to be cast in concrete.

1.2 ACTION SUBMITTALS

- A. Product Data:
 - 1. Acoustical panels.
 - 2. Metal suspension system.
- B. Samples: For each exposed product and for each color and texture specified, 6 inches in size.

1.3 DELIVERY, STORAGE, AND HANDLING

- A. Deliver acoustical panels, suspension-system components, and accessories to Project site and store them in a fully enclosed, conditioned space where they will be protected against damage from moisture, humidity, temperature extremes, direct sunlight, surface contamination, and other causes.
- B. Before installing acoustical panels, permit them to reach room temperature and a stabilized moisture content.

1.4 FIELD CONDITIONS

- A. Environmental Limitations: Do not install acoustical panel ceilings until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, work above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
 - 1. Pressurized Plenums: Operate ventilation system for not less than 48 hours before beginning acoustical panel ceiling installation.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Source Limitations for Ceiling System: Obtain each type of acoustical ceiling panel and its supporting suspension system from single source from single manufacturer.

2.2 ACOUSTICAL PANELS

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- B. Acoustical Panel Standard: Provide manufacturer's standard panels in accordance with ASTM E1264 and designated by type, form, pattern, acoustical rating, and light reflectance unless otherwise indicated.
- C. Modular Size: As indicated on Drawings.
- D. Antimicrobial Treatment: Manufacturer's standard broad spectrum, antimicrobial formulation that inhibits fungus, mold, mildew, and gram-positive and gram-negative bacteria and showing no mold, mildew, or bacterial growth when tested in accordance with ASTM D3273, ASTM D3274, or ASTM G21 and evaluated in accordance with ASTM D3274 or ASTM G21.

2.3 METAL SUSPENSION SYSTEM

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- B. Metal Suspension-System Standard: Provide manufacturer's standard, direct-hung, metal suspension system and accessories in accordance with ASTM C635/C635M and designated by type, structural classification, and finish indicated.

2.4 ACCESSORIES

- A. Wire Hangers, Braces, and Ties: Provide wires as follows:
 - 1. Zinc-Coated, Carbon-Steel Wire: ASTM A641/A641M, Class 1 zinc coating, soft temper.
 - 2. Size: Wire diameter sufficient for its stress at three times hanger design load (ASTM C635/C635M, Table 1, "Direct Hung") will be less than yield stress of

wire, but not less than 0.106-inch- diameter wire.

- B. Hanger Rods: Mild steel, zinc coated or protected with rust-inhibitive paint.
- C. Flat Hangers: Mild steel, zinc coated or protected with rust-inhibitive paint.
- D. Angle Hangers: Angles with legs not less than 7/8 inch wide; formed with 0.04-inch-thick, galvanized-steel sheet complying with ASTM A653/A653M, G90 coating designation; with bolted connections and 5/16-inch- diameter bolts.

2.5 ACOUSTICAL SEALANT

- A. Acoustical Sealant: As specified in Section 079219 "Acoustical Joint Sealants."

PART 3 - EXECUTION

3.1 PREPARATION

- A. Measure each ceiling area and establish layout of acoustical panels to balance border widths at opposite edges of each ceiling. Avoid using less-than-half-width panels at borders unless otherwise indicated, and comply with layout shown on reflected ceiling plans.
- B. Layout openings for penetrations centered on the penetrating items.

3.2 INSTALLATION OF ACOUSTICAL PANEL CEILINGS

- A. Install acoustical panel ceilings in accordance with ASTM C636/C636M and manufacturer's written instructions.
- B. Suspend ceiling hangers from building's structural members and as follows:
 - 1. Install hangers plumb and free from contact with insulation or other objects within ceiling plenum that are not part of supporting structure or of ceiling suspension system.
 - 2. Where width of ducts and other construction within ceiling plenum produces hanger spacings that interfere with location of hangers at spacings required to support standard suspension-system members, install supplemental suspension members and hangers in form of trapezes or equivalent devices.
 - 3. Secure wire hangers to ceiling-suspension members and to supports above with a minimum of three tight turns. Connect hangers directly to structure or to inserts, eye screws, or other devices that are secure and appropriate for substrate and that will not deteriorate or otherwise fail due to age, corrosion, or elevated temperatures.
 - 4. Secure flat, angle, channel, and rod hangers to structure, including intermediate framing members, by attaching to inserts, eye screws, or other devices that are secure and appropriate for both the structure to which hangers are attached and

- the type of hanger involved. Install hangers in a manner that will not cause them to deteriorate or fail due to age, corrosion, or elevated temperatures.
5. Space hangers not more than 48 inches o.c. along each member supported directly from hangers unless otherwise indicated; provide hangers not more than 8 inches from ends of each member.
 6. Size supplemental suspension members and hangers to support ceiling loads within performance limits established by referenced standards.
- C. Secure bracing wires to ceiling suspension members and to supports with a minimum of four tight turns. Suspend bracing from building's structural members as required for hangers, without attaching to permanent metal forms, steel deck, or steel deck tabs. Fasten bracing wires into concrete with cast-in-place or postinstalled anchors.
- D. Install suspension-system runners so they are square and securely interlocked with one another. Remove and replace dented, bent, or kinked members.
- E. Install acoustical panels with undamaged edges and fit accurately into suspension-system runners and edge moldings. Scribe and cut panels at borders and penetrations to provide precise fit.
1. Arrange directionally patterned acoustical panels as follows:
 - a. As indicated on reflected ceiling plans.
 2. For square-edged panels, install panels with edges fully hidden from view by flanges of suspension-system runners and moldings.
 3. For reveal-edged panels on suspension-system runners, install panels with bottom of reveal in firm contact with top surface of runner flanges.
 4. Paint cut edges of panel remaining exposed after installation; match color of exposed panel surfaces using coating recommended in writing for this purpose by acoustical panel manufacturer.
 5. Protect lighting fixtures and air ducts in accordance with requirements indicated for fire-resistance-rated assembly.

3.3 ERECTION TOLERANCES

- A. Suspended Ceilings: Install main and cross runners level to a tolerance of 1/8 inch in 12 feet, non-cumulative.
- B. Moldings and Trim: Install moldings and trim to substrate and level with ceiling suspension system to a tolerance of 1/8 inch in 12 feet, non-cumulative.

3.4 CLEANING

- A. Clean exposed surfaces of acoustical panel ceilings, including trim, edge moldings, and suspension-system members. Comply with manufacturer's written instructions for cleaning and touchup of minor finish damage.
- B. Remove and replace ceiling components that cannot be successfully cleaned and

repaired to permanently eliminate evidence of damage.

END OF SECTION 095113

SECTION 095426 - SUSPENDED WOOD CEILINGS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Solid-wood, linear-plank ceilings.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Solid-wood, linear-plank ceilings.

B. Shop Drawings: For suspended wood ceilings.

1. Include reflected ceiling plans, sections, and details, drawn to scale, showing the following:
 - a. Wood ceiling patterns and joints.
 - b. Ceiling suspension members.
 - c. Method of attaching hangers to building structure and locations of cast-in-place anchors, clips, and other ceiling attachment devices whose installation is specified in other Sections.
 - d. Ceiling-mounted items including, but not limited to, light fixtures, diffusers, grilles, speakers, sprinklers, and access panels.
 - e. Ceiling perimeter and penetrations through ceiling; trim and moldings.

C. Samples: For each exposed product and for each type, color, and finish specified, 12 inches long by 12 inches wide or full width in size.

1.3 INFORMATIONAL SUBMITTALS

A. Qualification Data: For testing agency.

B. Product Test Reports: For each suspended wood ceiling, for tests performed by a qualified testing agency.

C. Evaluation Reports: For suspended-wood-ceiling framing systems.

D. Field quality-control reports.

1.4 QUALITY ASSURANCE

- A. Testing Agency Qualifications: Accredited by National Voluntary Laboratory Accreditation Program for testing indicated.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver ceiling components and accessories to Project site in original, unopened packages and store them in a fully enclosed, conditioned space where they are protected against damage from moisture, humidity, temperature extremes, direct sunlight, surface contamination, and other causes.
 - 1. Store materials flat and level, raised from the floor.
- B. Handle ceiling components and accessories in a manner that prevents damage.

1.6 PROJECT CONDITIONS

- A. Environmental Limitations: Do not install interior ceilings until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, work above ceilings is complete, and HVAC system is operating and maintaining temperature and relative humidity at levels planned for building occupants during the remainder of the construction period.
 - 1. Store and acclimatize wood products in the spaces where they will be installed for a minimum of 72 hours immediately before ceiling installation.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Exterior suspended wood ceilings to withstand exterior exposure, the effects of gravity loads, and the following loads and stresses without showing permanent deformation of ceiling system components or permanent damage to fasteners and anchors:

2.2 SOLID-WOOD, LINEAR-PLANK CEILINGS <Insert drawing designation>

- A. Solid-Wood Linear Ceiling Planks: Manufacturer's standard kiln-dried, solid-wood planks free of knots; without finger joints, cracks, checks, or warp, and with square-cut ends.
 - 1. Basis-of-Design Product: Subject to compliance with requirements, provide products as indicated on the drawings or comparable product by one of the following:
 - a. ASI Architectural

2. Wood Species: Cherry.
3. Wood Cut: Plain sawn (flat cut).
4. Nominal Plank Width: 6 inches.
5. Plank Depth: 3/4 inch.
6. Plank Length: [Random] [96 inches] <Insert dimension>.
7. Plank Long Edge: Tongue-and-groove, butt joint.
 - a. Reveal: 3/4 inch between long edges of planks.
 - b. Reveal Filler Strip: Black felt with flame-spread index of 25 or less and smoke-developed index of 450 or less as determined by testing in accordance with ASTM E84.
8. Plank End Joints: Butt.
9. Factory Finish: As specified in Section 099300 "Staining and Transparent Finishing"; applied on every wood surface.
 - a. Surface-Burning Characteristics: Provide intumescent finish system with the following characteristics when tested in accordance with ASTM E84:
 - 1) Flame-Spread Index: 25 or less.
 - 2) Smoke-Developed Index: 450 or less.
 - b. Type: Clear.
 - c. Stain: As selected by Architect from manufacturer's standard range.
 - d. Gloss: Satin.
- B. Linear-Ceiling-Plank Accessories: Linear-ceiling-plank manufacturer's accessories required to provide a complete installation of ceiling in accordance with manufacturer's written installation instructions.
 1. Attachment Clips: Manufacturer's standard metal clips for attaching planks to grid suspension system.
 2. Acoustic Infill Panels: Manufacturer's standard to provide NRC rating indicated, with flame-spread index of 25 or less and smoke-developed index of 50 or less as determined by testing in accordance with ASTM E84.
 - a. NRC: 0.78 when tested in accordance with ASTM C423.
 3. Solid-Wood Trim: As indicated on Drawings; in wood species and finished to match panels; with trim connectors recommended in writing by ceiling and suspension-system manufacturers.
- C. Grid Suspension System: ASTM C635/C635M; recommended in writing by ceiling and suspension-system manufacturers for applications indicated; main- and cross-runner system complete with suspension-system components required to support ceiling units and other ceiling-supported construction.
 1. Material: ASTM A653/A653M, hot-dip galvanized, cold-rolled sheet steel, G60 coating designation.
 2. Structural Classification: Heavy-duty system.
 3. Face Width: 15/16 inch.

4. Finish: Flat black.

2.3 SUSPENSION-SYSTEM HANGERS, BRACES, AND TIES

- A. Attachment Devices: Size for 5 times the design load indicated in ASTM C635/C635M, Table 1, Direct Hung, unless otherwise indicated.
 1. Cast-in-Place and Postinstalled Anchors in Concrete: Anchors of type and material indicated below, with holes or loops for attaching hangers of type indicated and with capability to sustain, without failure, a load equal to 5 times that imposed by ceiling construction as determined by testing in accordance with ASTM E488/E488M or ASTM E1512, as applicable, conducted by a qualified testing and inspecting agency.
 - a. Type: Postinstalled expansion anchors.
 - b. Corrosion Protection:
 - 1) Carbon-steel components zinc plated to comply with ASTM B633, Class Fe/Zn 5 (0.005 mm) for Class SC service condition (mild).
 - 2) Stainless steel components complying with ASTM F593 and ASTM F594, Group 1 Alloy 304 or 316 for bolts; Alloy 304 or 316 for anchors.
 - 3) Components fabricated from nickel-copper-alloy rods complying with ASTM B164 for UNS No. N04400 alloy.
 2. Power-Actuated Fasteners in Concrete: Fastener system of type suitable for application indicated, fabricated from corrosion-resistant materials, with clips or other accessory devices for attaching hangers of type indicated, and with capability to sustain, without failure, a load equal to 10 times that imposed by ceiling construction as determined by testing in accordance with ASTM E1190 conducted by a qualified testing and inspecting agency.
- B. Wire Hangers, Braces, and Ties: Provide wire complying with the following requirements:
 1. Zinc-Coated, Carbon-Steel Wire: ASTM A641/A641M, Class 1 zinc coating, soft temper.
 2. Nickel-Copper-Alloy Wire: ASTM B164 nickel-copper alloy UNS No. N04400.
 3. Size: Select wire diameter so its stress at 3 times the hanger design load indicated in ASTM C635/C635M, Table 1, Direct Hung is less than yield stress of wire, but provide not less than 0.106-inch- diameter wire.
- C. Rods and Flat Hangers: Mild steel, zinc coated or protected with rust-inhibitive paint.
- D. Angle Hangers: Angles with legs not less than 7/8 inch wide; formed from 0.04-inch-thick, galvanized-steel sheet complying with ASTM A653/A653M, G90 coating designation; with bolted connections and 5/16-inch- diameter bolts.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Measure each ceiling area and establish layout of suspended wood ceilings.
 - 1. Balance border widths at opposite edges of each ceiling.
 - 2. Avoid using less-than-half-width units.

3.2 INSTALLATION OF SUSPENDED WOOD CEILINGS

- A. Comply with ASTM C636/C636M and seismic requirement indicated, in accordance with manufacturer's written instructions and CISCA's "Ceiling Systems Handbook."
- B. Suspend ceiling hangers from building's structural members and as follows:
 - 1. Install hangers plumb and free from contact with insulation or other objects within ceiling plenum that are not part of supporting structure or of ceiling suspension system.
 - 2. Splay hangers only where required to miss obstructions; offset resulting horizontal forces by bracing, countersplaying, or other equally effective means.
 - 3. Where width of ducts and other construction within ceiling plenum produces hanger spacings that interfere with location of hangers at spacings required to support standard suspension-system members, install supplemental suspension members and hangers in form of trapezes or equivalent devices.
 - 4. Secure wire hangers to ceiling suspension members and to supports above with a minimum of three tight turns in 3 inches. Connect hangers directly either to structures or to inserts, eye screws, or other devices that are secure and appropriate for substrate to which hangers are attached and for type of hanger involved.
 - 5. Secure flat, angle, channel, and rod hangers to structure, including intermediate framing members, by attaching to inserts, eye screws, or other devices that are secure and appropriate for both structure to which hangers are attached and type of hanger involved. Install hangers in a manner that does not cause them to deteriorate or fail due to age, corrosion, or elevated temperatures.
 - 6. Do not support ceilings directly from permanent metal forms or floor deck. Fasten hangers to cast-in-place hanger inserts, power-actuated fasteners, or postinstalled mechanical anchors that extend through forms into concrete.
 - 7. When steel framing does not permit installation of hanger wires at spacing required, install carrying channels or other supplemental support for attachment of hanger wires.
 - 8. Space hangers not more than 48 inches o.c. along each member supported directly from hangers unless otherwise indicated; provide hangers not more than 8 inches from ends of each member.
 - 9. Size supplemental suspension members and hangers to support ceiling loads within performance limits established by referenced standards and publications.
- C. Install edge moldings and trim at perimeter of ceiling area and where necessary to

conceal edges and ends of wood units.

1. Screw-attach metal moldings to substrate at intervals of not more than 16 inches o.c. and not more than 3 inches from ends, leveling with ceiling suspension system to a tolerance of 1/8 inch in 12 feet. Miter corners accurately and connect securely.
 2. Do not use exposed fasteners on moldings and trim.
- D. Grid Suspension Systems: Space main beams at 48 inches o.c.
1. Install cross tees to form modules sized in accordance with manufacturer's written installation instructions.
 2. Remove and replace dented, bent, or kinked members.
- E. Linear-Carrier Suspension Systems: Install carriers at no more than 24 inches o.c. aligned and securely interlocked with one another.
1. Install stabilizer channels, tees, and bars at regular intervals to stabilize carriers and at light fixtures, air-distribution equipment, access doors, and other equipment; spaced as standard with manufacturer for use indicated.
 2. Remove and replace dented, bent, or kinked members.
- F. Install wood components and accessories in accordance with manufacturer's written instructions and to accommodate natural expansion and contraction of wood products resulting from fluctuations in humidity.
- G. Cut wood components for accurate fit at borders and at interruptions and penetrations by other work through ceilings.
1. Stiffen edges of cut wood components as required to eliminate variations in flatness.
- H. Treat field-cut edges of wood components in accordance with manufacturer's written recommendations; finish exposed field cuts to match factory finish.
1. Solid-Wood Planks: Use solid-wood end caps to conceal exposed field-cut edges.
- I. Install wood components in coordination with suspension system and moldings and trim.
1. Install wood components in patterns indicated on Drawings.
- J. Install field-constructed access panels in locations indicated on Drawings.

END OF SECTION 095426

SECTION 096513 - RESILIENT BASE AND ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Thermoset-rubber base.
 - 2. Rubber molding accessories.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each exposed product and for each color and texture specified, not less than 12 inches long.
- C. Product Schedule: For resilient base and accessory products. Use same designations indicated on Drawings.

1.3 DELIVERY, STORAGE, AND HANDLING

- A. Store resilient products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F.

1.4 FIELD CONDITIONS

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 95 deg F, in spaces to receive resilient products during the following periods:
 - 1. 48 hours before installation.
 - 2. During installation.
 - 3. 48 hours after installation.
- B. After installation and until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.
- C. Install resilient products after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 THERMOSET-RUBBER BASE

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.

2.2 RUBBER MOLDING ACCESSORY

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- B. Description: Rubber cap for cove carpet.
- C. Profile and Dimensions: As indicated.

2.3 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland-cement-based or blended hydraulic-cement-based formulation provided or approved by resilient-product manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by resilient-product manufacturer for resilient products and substrate conditions indicated.
- C. Metal Edge Strips: Extruded aluminum with mill finish, nominal 2 inches wide, of height required to protect exposed edges of flooring, and in maximum available lengths to minimize running joints.
- D. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient products.
- B. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching

compound; remove bumps and ridges to produce a uniform and smooth substrate.

- C. Do not install resilient products until materials are the same temperature as space where they are to be installed.
 - 1. At least 48 hours in advance of installation, move resilient products and installation materials into spaces where they will be installed.
- D. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient products.

3.2 RESILIENT BASE INSTALLATION

- A. Comply with manufacturer's written instructions for installing resilient base.
- B. Apply resilient base to walls, columns, pilasters, casework and cabinets in toe spaces, and other permanent fixtures in rooms and areas where base is required.
- C. Install resilient base in lengths as long as practical without gaps at seams and with tops of adjacent pieces aligned.
- D. Tightly adhere resilient base to substrate throughout length of each piece, with base in continuous contact with horizontal and vertical substrates.
- E. Do not stretch resilient base during installation.
- F. On masonry surfaces or other similar irregular substrates, fill voids along top edge of resilient base with manufacturer's recommended adhesive filler material.
- G. Preformed Corners: Install preformed corners before installing straight pieces.
- H. Job-Formed Corners:
 - 1. Outside Corners: Use straight pieces of maximum lengths possible and form with returns not less than 3 inches in length.
 - a. Form without producing discoloration (whitening) at bends.
 - 2. Inside Corners: Use straight pieces of maximum lengths possible and form with returns not less than 3 inches in length.
 - a. Miter or cope corners to minimize open joints.

3.3 RESILIENT ACCESSORY INSTALLATION

- A. Comply with manufacturer's written instructions for installing resilient accessories.
- B. Resilient Molding Accessories: Butt to adjacent materials and tightly adhere to substrates throughout length of each piece. Install reducer strips at edges of floor

covering that would otherwise be exposed.

3.4 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protecting resilient products.
- B. Perform the following operations immediately after completing resilient-product installation:
 - 1. Remove adhesive and other blemishes from surfaces.
 - 2. Sweep and vacuum horizontal surfaces thoroughly.
 - 3. Damp-mop horizontal surfaces to remove marks and soil.
- C. Protect resilient products from marks, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
- D. Cover resilient products subject to wear and foot traffic until Substantial Completion.

END OF SECTION 096513

SECTION 096519 - RESILIENT TILE FLOORING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Solid vinyl floor tile.
 - 2. Vinyl tile underlayment in designated areas.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For each type of resilient floor tile.
 - 1. Include floor tile layouts, edges, columns, doorways, enclosing partitions, built-in furniture, cabinets, and cutouts.
 - 2. Show details of special patterns.
- C. Samples: Full-size units of each color, texture, and pattern of floor tile required.
 - 1. For heat-welding bead, manufacturer's standard-size Samples, but not less than 9 inches long, of each color required.
- D. Product Schedule: For floor tile. Use same designations indicated on Drawings.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are competent in techniques required by manufacturer for floor tile installation and seaming method indicated.
 - 1. Engage an installer who employs workers for this Project who are trained or certified by floor tile manufacturer for installation techniques required.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store floor tile and installation materials in dry spaces protected from the weather, with

ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F. Store floor tiles on flat surfaces.

1.6 FIELD CONDITIONS

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 95 deg F, in spaces to receive floor tile during the following periods:
 - 1. 48 hours before installation.
 - 2. During installation.
 - 3. 48 hours after installation.
- B. After installation and until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.
- C. Close spaces to traffic during floor tile installation.
- D. Close spaces to traffic for 48 hours after floor tile installation.
- E. Install floor tile after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: For resilient floor tile, as determined by testing identical products according to ASTM E648 or NFPA 253 by a qualified testing agency.
 - 1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

2.2 SOLID VINYL FLOOR TILE

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.

2.3 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland-cement-based or blended hydraulic-cement-based formulation provided or approved by floor tile manufacturer for applications indicated.

- B. Adhesives: Water-resistant type recommended by floor tile and adhesive manufacturers to suit floor tile and substrate conditions indicated.
- C. Floor Polish: Provide protective, liquid floor-polish products recommended by floor tile manufacturer.
- D. Vinyl Tile Underlayment: Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Prepare substrates according to floor tile manufacturer's written instructions to ensure adhesion of resilient products.
- B. Concrete Substrates: Prepare according to ASTM F710.
 - 1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
 - 2. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by floor tile manufacturer. Do not use solvents.
 - 3. Alkalinity and Adhesion Testing: Perform tests recommended by floor tile manufacturer. Proceed with installation only after substrate alkalinity falls within range on pH scale recommended by manufacturer in writing, but not less than 5 or more than 9 pH.
 - 4. Moisture Testing: Perform tests so that each test area does not exceed 200 sq. ft., and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.
 - a. Anhydrous Calcium Chloride Test: ASTM F1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours.
 - b. Relative Humidity Test: Using in-situ probes, ASTM F2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level measurement.
- C. Access Flooring Panels: Remove protective film of oil or other coating using method recommended by access flooring manufacturer.
- D. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound; remove bumps and ridges to produce a uniform and smooth substrate.
- E. Do not install floor tiles until materials are the same temperature as space where they are to be installed.
 - 1. At least 48 hours in advance of installation, move resilient floor tile and installation materials into spaces where they will be installed.

- F. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient floor tile.

3.2 FLOOR TILE INSTALLATION

- A. Comply with manufacturer's written instructions for installing floor tile.
- B. Lay out floor tiles from center marks established with principal walls, discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half tile at perimeter.
 - 1. Lay tiles in pattern indicated.
- C. Match floor tiles for color and pattern by selecting tiles from cartons in the same sequence as manufactured and packaged, if so numbered. Discard broken, cracked, chipped, or deformed tiles.
 - 1. Lay tiles in pattern of colors and sizes indicated.
- D. Scribe, cut, and fit floor tiles to butt neatly and tightly to vertical surfaces and permanent fixtures including built-in furniture, cabinets, pipes, outlets, and door frames.
- E. Extend floor tiles into toe spaces, door reveals, closets, and similar openings. Extend floor tiles to center of door openings.
- F. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on floor tiles as marked on substrates. Use chalk or other nonpermanent marking device.
- G. Install floor tiles on covers for telephone and electrical ducts, building expansion-joint covers, and similar items in installation areas. Maintain overall continuity of color and pattern between pieces of tile installed on covers and adjoining tiles. Tightly adhere tile edges to substrates that abut covers and to cover perimeters.
- H. Adhere floor tiles to substrates using a full spread of adhesive applied to substrate to produce a completed installation without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, and other surface imperfections.

3.3 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protecting floor tile.
- B. Perform the following operations immediately after completing floor tile installation:
 - 1. Remove adhesive and other blemishes from surfaces.
 - 2. Sweep and vacuum surfaces thoroughly.
 - 3. Damp-mop surfaces to remove marks and soil.

- C. Protect floor tile from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
- D. Floor Polish: Remove soil, adhesive, and blemishes from floor tile surfaces before applying liquid floor polish.
 - 1. Apply one coat(s).
- E. Joint Sealant: Apply sealant to resilient terrazzo floor tile perimeter and around columns, at door frames, and at other joints and penetrations.
- F. Cover floor tile until Substantial Completion.

END OF SECTION 096519

SECTION 096566 - RESILIENT ATHLETIC FLOORING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Interlocking, rubber floor tile.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: Show installation details and locations of the following:
 - 1. Border tiles.
 - 2. Floor patterns.
 - 3. Layout, colors, widths, and dimensions of game lines and markers.
 - 4. Locations of floor inserts for athletic equipment installed through flooring.
- C. Samples: For each exposed product and for each type, color, and pattern specified, 6-inch-square in size and of the same thickness indicated for the Work.

1.3 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in original packages and containers, with seals unbroken, bearing manufacturer's labels indicating brand name and directions for storing.
- B. Store materials to prevent deterioration.
 - 1. Store tiles on flat surfaces.

1.4 FIELD CONDITIONS

- A. Adhesively Applied Products:
 - 1. Maintain temperatures during installation within range recommended in writing by manufacturer, but not less than 70 deg F or more than 95 deg F, in spaces to receive flooring 48 hours before installation, during installation, and 48 hours after installation unless longer period is recommended in writing by manufacturer.
 - 2. After postinstallation period, maintain temperatures within range recommended in writing by manufacturer, but not less than 55 deg F or more than 95 deg F.
 - 3. Close spaces to traffic during flooring installation.

4. Close spaces to traffic for 48 hours after flooring installation unless manufacturer recommends longer period in writing.
- B. Install flooring after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 INTERLOCKING, RUBBER FLOOR TILE

- A. Basis-of-Design Product: Subject to compliance with requirements, provide products as indicated on the drawings or comparable product by one of the following:
1. Johnsonite; a Tarkett company
 2. Mondo
 3. Pawling Corporation
 4. Robbins Sports Surfaces
 5. Roppe Corporation; Roppe Holding Company
 6. Tarkett Sports; a division of the Tarkett Group
- B. Description: Athletic flooring consisting of modular rubber tiles with precision cut, interlocking edges, for free-lay installation.
- C. Material: Rubber.
- D. Color and Pattern: As selected by Architect from manufacturer's full range.

2.2 ACCESSORIES

- A. Trowelable Leveling and Patching Compound: Latex-modified, hydraulic-cement-based formulation approved by flooring manufacturer.
- B. Adhesives: Water-resistant type recommended in writing by manufacturer for substrate and conditions indicated.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of flooring.
- B. Concrete Substrates: Prepare according to ASTM F710.
1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.

2. Alkalinity Testing: Perform pH testing according to ASTM F710. Proceed with installation only if pH readings are not less than 7.0 and not greater than 8.5.
3. Moisture Testing: Perform tests so that each test area does not exceed 200 sq. ft., and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.
 - a. Anhydrous Calcium Chloride Test: ASTM F1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours.
 - b. Relative Humidity Test: Using in-situ probes, ASTM F2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level measurement.
- C. Use trowelable leveling and patching compound to fill cracks, holes, and depressions in substrates.
- D. Move flooring and installation materials into spaces where they will be installed at least 48 hours in advance of installation unless manufacturer recommends a longer period in writing.
 1. Do not install flooring until it is the same temperature as space where it is to be installed.
- E. Sweep and vacuum clean substrates to be covered by flooring immediately before installation. After cleaning, examine substrates for moisture, alkaline salts, carbonation, and dust. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 FLOORING INSTALLATION, GENERAL

- A. Comply with manufacturer's written installation instructions.
- B. Scribe, cut, and fit flooring to butt neatly and tightly to vertical surfaces, equipment anchors, floor outlets, and other interruptions of floor surface.
- C. Extend flooring into toe spaces, door reveals, closets, and similar openings unless otherwise indicated.
- D. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating subfloor markings on flooring. Use nonpermanent, nonstaining marking device.

3.3 FLOOR TILE INSTALLATION

- A. Lay out tiles from center marks established with principal walls, discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half tile at perimeter.
 1. Lay tiles in pattern indicated.

- B. Discard broken, cracked, chipped, or deformed tiles.
- C. Tile Matching: Match tiles for color and pattern by selecting tiles from cartons in same sequence as manufactured and packaged if so numbered.
 - 1. Lay tiles in pattern of colors and sizes indicated.
- D. Adhered Floor Tile: Adhere products to substrates using a full spread of adhesive applied to substrate to comply with adhesive and flooring manufacturers' written instructions, including those for trowel notching, adhesive mixing, and adhesive open and working times.
 - 1. Provide completed installation without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, and other surface imperfections.

3.4 CLEANING AND PROTECTION

- A. Perform the following operations immediately after completing flooring installation:
 - 1. Remove adhesive and other blemishes from flooring surfaces.
 - 2. Sweep and vacuum flooring thoroughly.
 - 3. Damp-mop flooring to remove marks and soil after time period recommended in writing by manufacturer.
- B. Protect flooring from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period. Use protection methods recommended in writing by manufacturer.
 - 1. Do not move heavy and sharp objects directly over flooring. Protect flooring with plywood or hardboard panels to prevent damage from storing or moving objects over flooring.

END OF SECTION 096566

SECTION 096813 - TILE CARPETING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Modular carpet tile.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include manufacturer's written data on physical characteristics, durability, and fade resistance.
 - 2. Include manufacturer's written installation recommendations for each type of substrate.
- B. Samples: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.
 - 1. Carpet Tile: Full-size Sample.
 - 2. Exposed Edge, Transition, and Other Accessory Stripping: 12-inch- long Samples.
- C. Product Schedule: For carpet tile. Use same designations indicated on Drawings.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Product Test Reports: For carpet tile, for tests performed by a qualified testing agency.
- C. Sample Warranty: For special warranty.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who is certified by the International Certified Floorcovering Installers Association at the Commercial II certification level.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Comply with the Carpet and Rug Institute's CRI 104.

1.6 FIELD CONDITIONS

- A. Comply with the Carpet and Rug Institute's CRI 104 for temperature, humidity, and ventilation limitations.
- B. Environmental Limitations: Do not deliver or install carpet tiles until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at levels planned for building occupants during the remainder of the construction period.
- C. Do not install carpet tiles over concrete slabs until slabs have cured and are sufficiently dry to bond with adhesive and concrete slabs have pH range recommended by carpet tile manufacturer.
- D. Where demountable partitions or other items are indicated for installation on top of carpet tiles, install carpet tiles before installing these items.

1.7 WARRANTY

- A. Special Warranty for Carpet Tiles: Manufacturer agrees to repair or replace components of carpet tile installation that fail in materials or workmanship within specified warranty period.
 - 1. Warranty does not include deterioration or failure of carpet tile due to unusual traffic, failure of substrate, vandalism, or abuse.
 - 2. Failures include, but are not limited to, the following:
 - a. More than 10 percent edge raveling, snags, and runs.
 - b. Dimensional instability.
 - c. Excess static discharge.
 - d. Loss of tuft-bind strength.
 - e. Loss of face fiber.
 - f. Delamination.
 - 3. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 CARPET TILE

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:

1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.

B. Applied Treatments:

1. Soil-Resistance Treatment: Manufacturer's standard treatment.
2. Antimicrobial Treatment: Manufacturer's standard treatment that protects carpet tiles as follows:
 - a. Antimicrobial Activity: Not less than 2-mm halo of inhibition for gram-positive bacteria, not less than 1-mm halo of inhibition for gram-negative bacteria, and no fungal growth, according to AATCC 174.

2.2 INSTALLATION ACCESSORIES

- A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet tile manufacturer.
- B. Adhesives: Water-resistant, mildew-resistant, nonstaining, pressure-sensitive type to suit products and subfloor conditions indicated, that comply with flammability requirements for installed carpet tile, and are recommended by carpet tile manufacturer for releasable installation.
- C. Metal Edge/Transition Strips: Extruded aluminum with clear anodized finish of profile and width shown, of height required to protect exposed edge of carpet, and of maximum lengths to minimize running joints.
 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.

PART 3 - EXECUTION

3.1 PREPARATION

- A. General: Comply with the Carpet and Rug Institute's CRI 104 and with carpet tile manufacturer's written installation instructions for preparing substrates indicated to receive carpet tile.
- B. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch wide or wider, and protrusions more than 1/32 inch unless more stringent requirements are required by manufacturer's written instructions.
- C. Concrete Substrates: Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by adhesive and carpet tile manufacturers.

- D. Broom and vacuum clean substrates to be covered immediately before installing carpet tile.

3.2 INSTALLATION

- A. General: Comply with the Carpet and Rug Institute's CRI 104, Section 10, "Carpet Tile," and with carpet tile manufacturer's written installation instructions.
- B. Installation Method: As recommended in writing by carpet tile manufacturer.
- C. Maintain dye-lot integrity. Do not mix dye lots in same area.
- D. Maintain pile-direction patterns recommended in writing by carpet tile manufacturer.
- E. Cut and fit carpet tile to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet tile manufacturer.
- F. Extend carpet tile into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.
- G. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on carpet tile as marked on subfloor. Use nonpermanent, nonstaining marking device.
- H. Install pattern parallel to walls and borders.

3.3 CLEANING AND PROTECTION

- A. Perform the following operations immediately after installing carpet tile:
 - 1. Remove excess adhesive and other surface blemishes using cleaner recommended by carpet tile manufacturer.
 - 2. Remove yarns that protrude from carpet tile surface.
 - 3. Vacuum carpet tile using commercial machine with face-beater element.
- B. Protect installed carpet tile to comply with the Carpet and Rug Institute's CRI 104, Section 13.7.
- C. Protect carpet tile against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet tile manufacturer.

END OF SECTION 096813

SECTION 096816 - SHEET CARPETING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Tufted carpet.
 - 2. Carpet cushion.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include manufacturer's written data on physical characteristics and durability.
 - 2. Include manufacturer's written installation recommendations for each type of substrate.
- B. Samples for Initial Selection: For each type of product.
 - 1. Include Samples of exposed edge, transition, and other accessory stripping involving color or finish selection.
- C. Product Schedule: For carpet and carpet cushion. Use same designations indicated on Drawings.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Product Test Reports: For carpet and carpet cushion, for tests performed by a qualified testing agency.
- C. Sample Warranties: For special warranties.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who is certified by the International Certified Floorcovering Installers Association at the Commercial II certification level.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Comply with the Carpet and Rug Institute's CRI 104.

- B. Deliver carpet in original mill protective covering with mill register numbers and tags attached.

1.6 FIELD CONDITIONS

- A. Comply with the Carpet and Rug Institute's CRI 104 for temperature, humidity, and ventilation limitations.
- B. Environmental Limitations: Do not deliver or install carpet and carpet cushion until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at levels planned for building occupants during the remainder of the construction period.
- C. Do not install carpet and carpet cushion over concrete slabs until slabs have cured, are sufficiently dry to bond with adhesive, and have pH range recommended by carpet manufacturer.

1.7 WARRANTY

- A. Special Warranty for Carpet: Manufacturer agrees to repair or replace components of carpet installation that fail in materials or workmanship within specified warranty period.
 - 1. Warranty does not include deterioration or failure of carpet due to unusual traffic, failure of substrate, vandalism, or abuse.
 - 2. Failures include, but are not limited to, the following:
 - a. More than 10 percent loss of face fiber, edge raveling, snags, and runs.
 - b. Loss of tuft bind strength.
 - c. Excess static discharge.
 - d. Delamination.
 - 3. Warranty Period: 10 years from date of Substantial Completion.
- B. Special Warranty for Carpet Cushion: Manufacturer agrees to repair or replace components of carpet cushion installation that fail in materials or workmanship within specified warranty period.
 - 1. Warranty includes removal and replacement of carpet and accessories required by replacement of carpet cushion.
 - 2. Warranty does not include deterioration or failure of carpet cushion due to unusual traffic, failure of substrate, vandalism, or abuse.
 - 3. Failure includes, but is not limited to, permanent indentation or compression.
 - 4. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 TUFTED CARPET

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- B. Applied Treatments:
 - 1. Applied Soil-Resistance Treatment: Manufacturer's standard material.
 - 2. Antimicrobial Treatment: Manufacturer's standard material.
 - a. Antimicrobial Activity: Not less than 2-mm halo of inhibition for gram-positive bacteria, not less than 1-mm halo of inhibition for gram-negative bacteria, and no fungal growth, according to AATCC 174.

2.2 CARPET CUSHION

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.

2.3 INSTALLATION ACCESSORIES

- A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet cushion manufacturer.
- B. Adhesives: Water-resistant, mildew-resistant, nonstaining type to suit products and subfloor conditions indicated, that complies with flammability requirements for installed carpet and is recommended or provided by carpet and carpet cushion manufacturers.
- C. Seam Adhesive: Hot-melt adhesive tape or similar product recommended by carpet manufacturer for sealing and taping seams and butting cut edges at backing to form secure seams and to prevent pile loss at seams.
- D. Metal Edge/Transition Strips: Extruded aluminum with clear anodized finish of profile and width shown, of height required to protect exposed edge of carpet, and of maximum lengths to minimize running joints.
 - 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.

PART 3 - EXECUTION

3.1 PREPARATION

- A. General: Comply with the Carpet and Rug Institute's CRI 104 and with carpet manufacturer's written installation instructions for preparing substrates.
- B. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch wide or wider, and protrusions more than 1/32 inch, unless more stringent requirements are required by manufacturer's written instructions.
- C. Concrete Substrates: Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by adhesive, carpet, and carpet cushion manufacturers.
- D. Broom and vacuum clean substrates to be covered immediately before installing carpet.

3.2 INSTALLATION

- A. Comply with the Carpet and Rug Institute's CRI 104 and carpet and carpet cushion manufacturers' written installation instructions for the following:
 - 1. Double-glue-down installation.
- B. Comply with carpet manufacturer's written instructions and Shop Drawings for seam locations and direction of carpet; maintain uniformity of carpet direction and lay of pile. At doorways, center seams under the door in closed position.
- C. Install as indicated on Drawings.
- D. Install borders with mitered corner seams.
- E. Do not bridge building expansion joints with carpet.
- F. Cut and fit carpet to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet manufacturer.
- G. Extend carpet into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.
- H. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on carpet as marked on subfloor. Use nonpermanent, nonstaining marking device.

3.3 CLEANING AND PROTECTION

- A. Perform the following operations immediately after installing carpet:
 - 1. Remove excess adhesive, seam sealer, and other surface blemishes using cleaner recommended by carpet manufacturer.
 - 2. Remove yarns that protrude from carpet surface.
 - 3. Vacuum carpet using commercial machine with face-beater element.
- B. Protect installed carpet to comply with the Carpet and Rug Institute's CRI 104.
- C. Protect carpet against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods recommended in writing by carpet manufacturer .

END OF SECTION 096816

SECTION 097200 - WALL COVERINGS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Wall covering.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include data on physical characteristics, durability, fade resistance, and fire-test-response characteristics.
- B. Samples: For each type of wall covering and for each color, pattern, texture, and finish specified, full width by 36 inches long in size.
- C. Product Schedule: For wall coverings. Use same designations indicated on Drawings.

1.3 FIELD CONDITIONS

- A. Environmental Limitations: Do not deliver or install wall coverings until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, work above ceilings is complete, and HVAC system is operating and maintaining ambient temperature and humidity conditions at levels intended for occupants after Project completion during the remainder of the construction period.
 - 1. Wood-Veneer Wall Coverings: Condition spaces for not less than 48 hours before installation.
- B. Lighting: Do not install wall covering until lighting that matches conditions intended for occupants after Project completion is provided on the surfaces to receive wall covering.
- C. Ventilation: Provide continuous ventilation during installation and for not less than the time recommended by wall-covering manufacturer for full drying or curing.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: As determined by testing identical wall coverings applied with identical adhesives to substrates in accordance with test method indicated below by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - 1. Surface-Burning Characteristics: Comply with ASTM E84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - a. Flame-Spread Index: 25 or less.
 - b. Smoke-Developed Index: 50 or less.
 - 2. Fire-Growth Contribution: No flashover and heat and smoke release when tested in accordance with NFPA 286.

2.2 WALL COVERING

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- B. Mildew Resistance: Rating of zero or 1 when tested in accordance with ASTM G21.
- C. Features:
 - 1. Stain-Resistant Coating.
 - 2. Antimicrobial.

2.3 ACCESSORIES

- A. Adhesive: Mildew-resistant, nonstaining adhesive, for use with specific wall covering and substrate application indicated and as recommended in writing by wall-covering manufacturer.
- B. Primer/Sealer: Mildew resistant, complying with requirements in Section 099123 "Interior Painting" and recommended in writing by primer/sealer and wall-covering manufacturers for intended substrate.
- C. Seam Tape: As recommended in writing by wall-covering manufacturer.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Comply with manufacturer's written instructions for surface preparation.
- B. Clean substrates of substances that could impair bond of wall covering, including dirt, oil, grease, mold, and mildew.
- C. Prepare substrates to achieve a smooth, dry, clean, structurally sound surface free of flaking, unsound coatings, cracks, and defects.
 - 1. Gypsum Board: Apply primer/sealer as recommended in writing by primer/sealer manufacturer and wall-covering manufacturer.
- D. Remove hardware and hardware accessories, electrical plates and covers, light fixture trims, and similar items.
- E. Acclimatize wall-covering materials by removing them from packaging in the installation areas not less than 24 hours before installation.

3.2 INSTALLATION OF WALL COVERING

- A. Comply with wall-covering manufacturers' written installation instructions applicable to products and applications indicated.
- B. Cut wall-covering strips in roll number sequence. Change the roll numbers at partition breaks and corners.
- C. Install strips in same order as cut from roll.
 - 1. For solid-color, even-texture, or random-match wall coverings, reverse every other strip.
- D. Install wall covering without lifted or curling edges and without visible shrinkage.
- E. Match pattern 72 inches above the finish floor.
- F. Install seams vertical and plumb at least 6 inches from outside corners and 6 inches from inside corners unless a change of pattern or color exists at corner. Horizontal seams are not permitted.
- G. Trim edges and seams for color uniformity, pattern match, and tight closure. Butt seams without overlaps or gaps between strips.
- H. Fully bond wall covering to substrate. Remove air bubbles, wrinkles, blisters, and other defects.

3.3 CLEANING

- A. Remove excess adhesive at seams, perimeter edges, and adjacent surfaces.
- B. Use cleaning methods recommended in writing by wall-covering manufacturer.
- C. Replace strips that cannot be cleaned.
- D. Reinstall hardware and hardware accessories, electrical plates and covers, light fixture trims, and similar items.

END OF SECTION 097200

SECTION 099114 - EXTERIOR PAINTING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Surface preparation and application of paint systems on the following exterior substrates:
 - a. Concrete masonry units (CMUs).
 - b. Wood.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include preparation requirements and application instructions.
2. Include printout of current "MPI Approved Products List" for each product category specified, with the proposed product highlighted.
3. Indicate VOC content.

B. Samples: For each type of topcoat product.

C. Product List: Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in the Exterior Painting Schedule to cross-reference paint systems specified in this Section. Include color designations.

1.3 DELIVERY, STORAGE, AND HANDLING

A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.

1. Maintain containers in clean condition, free of foreign materials and residue.
2. Remove rags and waste from storage areas daily.

1.4 FIELD CONDITIONS

A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F.

B. Do not apply paints in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.

PART 2 - PRODUCTS

2.1 PAINT PRODUCTS

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- B. Source Limitations: Obtain paint from single source from single manufacturer.
- C. MPI Standards: Provide products complying with MPI standards indicated and listed in its "MPI Approved Products List."
- D. Material Compatibility:
 - 1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
 - 2. For each coat in a paint system, provide products recommended in writing by topcoat manufacturers for use in paint system and on substrate indicated.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Manual" applicable to substrates and paint systems indicated.
- B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
 - 1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection.
- C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.
 - 1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.
- D. Masonry Substrates: Remove efflorescence and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces or mortar joints exceeds that permitted in manufacturer's written instructions.

E. Wood Substrates:

1. Scrape and clean knots. Before applying primer, apply coat of knot sealer recommended in writing by topcoat manufacturer for exterior use in paint system indicated.
2. Sand surfaces that will be exposed to view, and remove sanding dust.
3. Prime edges, ends, faces, undersides, and backsides of wood.
4. After priming, fill holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dried.

3.2 INSTALLATION

- A. Apply paints in accordance with manufacturer's written instructions and recommendations in "MPI Manual."
1. Use applicators and techniques suited for paint and substrate indicated.
 2. Paint surfaces behind movable items same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed items with prime coat only.
 3. Paint entire exposed surface of window frames and sashes.
 4. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
 5. Primers specified in the Exterior Painting Schedule may be omitted on items that are factory primed or factory finished if compatible with intermediate and topcoat coatings and acceptable to intermediate and topcoat paint manufacturers.
- B. Tint undercoats same color as topcoat, but tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Provide sufficient difference in shade of undercoats to distinguish each separate coat.
- C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.
- D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

3.3 FIELD QUALITY CONTROL

- A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.
1. Contractor shall touch up and restore painted surfaces damaged by testing.
 2. If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written instructions, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written instructions.

3.4 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
 - 1. Do not clean equipment with free-draining water and prevent solvents, thinners, cleaners, and other contaminants from entering into waterways, sanitary and storm drain systems, and ground.
 - 2. Dispose of contaminants in accordance with requirements of authorities having jurisdiction.
 - 3. Allow empty paint cans to dry before disposal.
- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.5 EXTERIOR PAINTING SCHEDULE

- A. CMU Substrates:
 - 1. Latex over Alkali-Resistant Primer System MPI EXT 4.2L:
 - a. Prime Coat: Primer, alkali resistant, water based, MPI #3.
 - b. Intermediate Coat: Latex, exterior, matching topcoat.
 - c. Flat Topcoat: Latex, exterior, flat (MPI Gloss Level 1), MPI #10.
- B. Wood Substrates, Exposed Framing:
 - 1. Latex over Latex Primer System MPI EXT 6.2M:
 - a. Prime Coat: Primer, latex for exterior wood, MPI #6.
 - b. Intermediate Coat: Latex, exterior, matching topcoat.
 - c. Semigloss Topcoat: Latex, exterior, semigloss (MPI Gloss Level 5), MPI #11.

END OF SECTION 099114

SECTION 099124 - INTERIOR PAINTING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes surface preparation and the application of paint systems on the following interior substrates:
 - 1. Concrete masonry units (CMUs).
 - 2. Steel and iron.
 - 3. Wood.
 - 4. Gypsum board.
 - 5. Spray-textured ceilings.
 - 6. Bituminous-coated surfaces.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include preparation requirements and application instructions.
 - 1. Include printout of current "MPI Approved Products List" for each product category specified, with the proposed product highlighted.
 - 2. Indicate VOC content.
- B. Samples for Verification: For each type of paint system and in each color and gloss of topcoat.
 - 1. Submit Samples on rigid backing, **8 inches** square.
 - 2. Apply coats on Samples in steps to show each coat required for system.
 - 3. Label each coat of each Sample.
 - 4. Label each Sample for location and application area.
- C. Product List: Use same designations indicated on Drawings and in the Interior Painting Schedule to cross-reference paint systems specified in this Section. Include color designations.

1.3 DELIVERY, STORAGE, AND HANDLING

- A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than **45 deg F**.
 - 1. Maintain containers in clean condition, free of foreign materials and residue.
 - 2. Remove rags and waste from storage areas daily.

1.4 FIELD CONDITIONS

- A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between **50 and 95 deg F**.
- B. Do not apply paints when relative humidity exceeds 85 percent; at temperatures of less than **5 deg F** above the dew point; or to damp or wet surfaces.

PART 2 - PRODUCTS

2.1 PAINT, GENERAL

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- B. MPI Standards: Products shall comply with MPI standards indicated and shall be listed in its "MPI Approved Products List."
- C. Material Compatibility:
 - 1. Materials for use within each paint system shall be compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
 - 2. For each coat in a paint system, products shall be recommended in writing by topcoat manufacturers for use in paint system and on substrate indicated.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates and paint systems indicated.
- B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
 - 1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.
- C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.

1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.
- D. Masonry Substrates: Remove efflorescence and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces or mortar joints exceeds that permitted in manufacturer's written instructions.
- E. Steel Substrates: Remove rust, loose mill scale, and shop primer, if any. Clean using methods recommended in writing by paint manufacturer.
- F. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and areas where shop paint is abraded. Paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.
- G. Wood Substrates:
 1. Scrape and clean knots, and apply coat of knot sealer before applying primer.
 2. Sand surfaces that will be exposed to view, and dust off.
 3. Prime edges, ends, faces, undersides, and backsides of wood.
 4. After priming, fill holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dried.

3.2 INSTALLATION

- A. Apply paints according to manufacturer's written instructions and to recommendations in "MPI Manual."
 1. Use applicators and techniques suited for paint and substrate indicated.
 2. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
 3. Paint front and backsides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.
 4. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
 5. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to topcoat manufacturers.
- B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Tint undercoats to match color of topcoat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.
- C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.
- D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

3.3 FIELD QUALITY CONTROL

- A. Dry-Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry-film thickness.
 - 1. Contractor shall touch up and restore painted surfaces damaged by testing.
 - 2. If test results show that dry-film thickness of applied paint does not comply with paint manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry-film thickness that complies with paint manufacturer's written recommendations.

3.4 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.5 INTERIOR PAINTING SCHEDULE

- A. CMU Substrates:
 - 1. Latex System, MPI INT 4.2A:
 - a. Block Filler: Block filler, latex, interior/exterior, MPI #4.
 - b. Intermediate Coat: Latex, interior, matching topcoat.
 - c. Topcoat:
 - 1) Latex, interior, flat (MPI Gloss Level 1), MPI #53.
- B. Steel Substrates:
 - 1. Latex System, Alkyd Primer, MPI INT 5.1Q:
 - a. Prime Coat:
 - 1) Primer, alkyd, anticorrosive, for metal, MPI #79.
 - b. Intermediate Coat: Latex, interior, matching topcoat.
 - c. Topcoat:

- 1) Latex, interior (MPI Gloss Level 4), MPI #43.

C. Wood Substrates: Wood trim, Architectural woodwork.

1. Latex over Latex Primer System, MPI INT 6.3T:

- a. Prime Coat: Primer, latex, for interior wood, MPI #39.
- b. Intermediate Coat: Latex, interior, matching topcoat.
- c. Topcoat:

- 1) Latex, interior (MPI Gloss Level 4), MPI #43.

D. Spray-Textured Ceiling Substrates:

1. Latex, Flat System, MPI INT 9.1A: Spray applied.

- a. Prime Coat: Latex, interior, flat, matching topcoat.
- b. Topcoat: Latex, interior, flat (MPI Gloss Level 1), MPI #53.

E. Gypsum Board and Plaster Substrates:

1. Latex over Latex Sealer System, MPI INT 9.2A:

- a. Prime Coat:
 - 1) Primer sealer, latex, interior, MPI #50.
 - 2) Latex, interior, matching topcoat.
- b. Intermediate Coat: Latex, interior, matching topcoat.
- c. Topcoat:

- 1) Latex, interior (MPI Gloss Level 4), MPI #43.

F. Bituminous-Coated Substrates:

1. Latex System, MPI INT 10.2A:

- a. Prime Coat: Primer, rust inhibitive, water based, MPI #107.
- b. Intermediate Coat: Latex, interior, matching topcoat.
- c. Topcoat:

- 1) Latex, interior (MPI Gloss Level 4), MPI #43.

END OF SECTION 099124

SECTION 099301 - STAINING AND TRANSPARENT FINISHING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Staining and transparent finishing of interior wood surfaces.

1.2 ACTION SUBMITTALS

A. Product Data:

1. For each type of product.
2. Include preparation requirements and application instructions.
3. Include printout of current "MPI Approved Products List" for each product category specified, with the proposed product highlighted.
4. Indicate VOC content.

B. Samples for Verification: For each type of finish system and in each color and gloss of finish required.

1. Submit Samples on representative samples of actual wood substrates, 8 inches square.
2. Apply coats on Samples in steps to show each coat required for system.
3. Label each coat of each Sample.
4. Label each Sample for location and application area.

C. Product List: Cross-reference to finish system and locations of application areas. Use same designations indicated on Drawings and in schedules. Include color designations.

1.3 DELIVERY, STORAGE, AND HANDLING

A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.

1. Maintain containers in clean condition, free of foreign materials and residue.
2. Remove rags and waste from storage areas daily.

1.4 FIELD CONDITIONS

A. Apply finishes only when temperature of surfaces to be finished and ambient air temperatures are between 50 and 95 deg F.

- B. Do not apply finishes when relative humidity exceeds 85 percent, at temperatures of less than 5 deg F above the dew point, or to damp or wet surfaces.
- C. Do not apply exterior finishes in snow, rain, fog, or mist.

PART 2 - PRODUCTS

2.1 STAINING AND TRANSPARENT FINISHING (MPI STANDARDS)

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
 - 2. Some stains designated to match plastic laminate samples.

2.2 SOURCE LIMITATIONS

- A. Source Limitations: Obtain each coating product from single source from single manufacturer.

2.3 MATERIALS, GENERAL

- A. MPI Standards: Products shall comply with MPI standards indicated and shall be listed in its "MPI Approved Products List."
- B. Material Compatibility:
 - 1. Materials for use within each coating system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates indicated.
- B. Remove hardware, covers, plates, and similar items already in place that are removable. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and finishing.
 - 1. After completing finishing operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.

- C. Clean and prepare surfaces to be finished according to manufacturer's written instructions for each substrate condition and as specified.
 - 1. Remove dust, dirt, oil, and grease by washing with a detergent solution; rinse thoroughly with clean water and allow to dry. Remove grade stamps and pencil marks by sanding lightly. Remove loose wood fibers by brushing.
 - 2. Remove mildew by scrubbing with a commercial wash formulated for mildew removal and as recommended by stain manufacturer.
- D. Interior Wood Substrates:
 - 1. Scrape and clean knots, and apply coat of knot sealer before applying primer.
 - 2. Apply wood filler paste to open-grain woods, as defined in "MPI Architectural Painting Specification Manual," to produce smooth, glasslike finish.
 - 3. Sand surfaces exposed to view and dust off.
 - 4. After priming, fill holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dry.

3.2 APPLICATION

- A. Apply finishes according to manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual."
 - 1. Use applicators and techniques suited for finish and substrate indicated.
 - 2. Finish surfaces behind movable equipment and furniture same as similar exposed surfaces.
 - 3. Do not apply finishes over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
- B. Apply finishes to produce surface films without cloudiness, holidays, lap marks, brush marks, runs, ropiness, or other surface imperfections.

3.3 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing finish application, clean spattered surfaces. Remove spattered materials by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from finish application. Correct damage by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced finished wood surfaces.

3.4 INTERIOR WOOD -FINISH-SYSTEM SCHEDULE

A. Wood Substrates, Wood Trim, Architectural Woodwork, Doors:

1. Water-Based Varnish over Stain System MPI INT 6.3W:
 - a. Stain Coat: Stain, semitransparent, for interior wood, MPI #90.
 - b. First Intermediate Coat: Water-based varnish matching topcoat.
 - c. Second Intermediate Coat: Water-based varnish matching topcoat.
 - d. Topcoat, Satin: Varnish, water based, clear (MPI Gloss Level 4), MPI #128.

END OF SECTION 099301

SECTION 099600 - HIGH-PERFORMANCE COATINGS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes surface preparation and the application of high-performance coating systems on the following substrates:
 - 1. Exterior Substrates:
 - a. Steel.
 - b. Galvanized metal.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include preparation requirements and application instructions.
 - 1. Include printout of current "MPI Approved Products List" for each product category specified, with the proposed product highlighted.
 - 2. Indicate VOC content.
- B. Samples for Verification: For each type of coating system and each color and gloss of topcoat indicated.
 - 1. Submit Samples on rigid backing, 8 inches square.
 - 2. Apply coats on Samples in steps to show each coat required for system.
 - 3. Label each coat of each Sample.
 - 4. Label each Sample for location and application area.
- C. Product List: Cross-reference to coating system and locations of application areas. Use same designations indicated on Drawings and in schedules. Include color designations.

1.3 DELIVERY, STORAGE, AND HANDLING

- A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.
 - 1. Maintain containers in clean condition, free of foreign materials and residue.
 - 2. Remove rags and waste from storage areas daily.

1.4 FIELD CONDITIONS

- A. Apply coatings only when temperature of surfaces to be coated and ambient air temperatures are between 50 and 95 deg F.
- B. Do not apply coatings when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.
- C. Do not apply exterior coatings in snow, rain, fog, or mist.

PART 2 - PRODUCTS

2.1 HIGH-PERFORMANCE COATINGS, GENERAL

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. PPG Paints; PPG Industries, Inc.
 - 2. Rust-Oleum Corporation; a subsidiary of RPM International, Inc.
 - 3. Sherwin-Williams Company (The)
 - 4. Tnemec Company, Inc.
- B. MPI Standards: Products shall comply with MPI standards indicated and shall be listed in its "MPI Approved Products Lists."
- C. Material Compatibility:
 - 1. Materials for use within each paint system shall be compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
 - 2. For each coat in a paint system, products shall be recommended in writing by topcoat manufacturers for use in paint system and on substrate indicated.
 - 3. Products shall be of same manufacturer for each coat in a coating system.
- D. Colors: As selected by Architect from manufacturer's full range.

2.2 SOURCE QUALITY CONTROL

- A. Testing of Coating Materials: Owner reserves the right to invoke the following procedure:
 - 1. Owner will engage the services of a qualified testing agency to sample coating materials. Contractor will be notified in advance and may be present when samples are taken. If coating materials have already been delivered to Project site, samples may be taken at Project site. Samples will be identified, sealed, and certified by testing agency.
 - 2. Testing agency will perform tests for compliance with product requirements.
 - 3. Owner may direct Contractor to stop applying coatings if test results show

materials being used do not comply with product requirements. Contractor shall remove noncomplying coating materials from Project site, pay for testing, and recoat surfaces coated with rejected materials. Contractor will be required to remove rejected materials from previously coated surfaces if, on recoating with complying materials, the two coatings are incompatible.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
- B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
 - 1. Concrete: 12 percent.
 - 2. Fiber-Cement Board: 12 percent.
 - 3. Masonry (Clay and CMUs): 12 percent.
 - 4. Wood: 15 percent.
 - 5. Gypsum Board: 12 percent.
 - 6. Plaster: 12 percent.
- C. Gypsum Board Substrates: Verify that finishing compound is sanded smooth.
- D. Plaster Substrates: Verify that plaster is fully cured.
- E. Verify suitability of substrates, including surface conditions and compatibility, with existing finishes and primers.
- F. Proceed with coating application only after unsatisfactory conditions have been corrected.
 - 1. Application of coating indicates acceptance of surfaces and conditions.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates and coating systems indicated.
- B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
 - 1. After completing painting operations, use workers skilled in the trades involved to

reinstall items that were removed. Remove surface-applied protection if any.

- C. Clean substrates of substances that could impair bond of coatings, including dust, dirt, oil, grease, and incompatible paints and encapsulants.
 - 1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce coating systems indicated.
- D. Steel Substrates: Remove rust, loose mill scale, and shop primer if any. Clean using methods recommended in writing by paint manufacturer.
- E. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and areas where shop paint is abraded. Paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.
- F. Galvanized-Metal Substrates: Remove grease and oil residue from galvanized sheet metal by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied coatings.

3.3 APPLICATION

- A. Apply high-performance coatings according to manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual."
 - 1. Use applicators and techniques suited for coating and substrate indicated.
 - 2. Coat surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, coat surfaces behind permanently fixed equipment or furniture with prime coat only.
 - 3. Coat backsides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.
 - 4. Do not apply coatings over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
- B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of the same material are to be applied. Tint undercoats to match color of finish coat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.
- C. If undercoats or other conditions show through final coat, apply additional coats until cured film has a uniform coating finish, color, and appearance.
- D. Apply coatings to produce surface films without cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections. Produce sharp glass lines and color breaks.

3.4 FIELD QUALITY CONTROL

- A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test coatings for dry film thickness.

1. Contractor shall touch up and restore coated surfaces damaged by testing.
2. If test results show that dry film thickness of applied coating does not comply with coating manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with coating manufacturer's written recommendations.

3.5 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing coating application, clean spattered surfaces. Remove spattered coatings by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from coating operation. Correct damage to work of other trades by cleaning, repairing, replacing, and recoating, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced coated surfaces.

3.6 EXTERIOR HIGH-PERFORMANCE COATING SCHEDULE

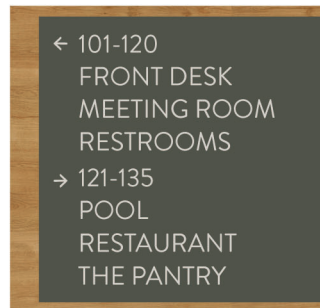
- A. Steel Substrates:
 1. Epoxy System MPI EXT 5.1F:
 - a. Prime Coat: Primer, epoxy, anti-corrosive, for metal, MPI #101.
 - b. Intermediate Coat: Epoxy, high build, low gloss, MPI #108.
 - c. Topcoat: Epoxy, gloss, MPI #77.
- B. Galvanized-Metal Substrates:
 1. Epoxy System MPI EXT 5.3C:
 - a. Prime Coat: Primer, epoxy, anti-corrosive, for metal, MPI #101.
 - b. Intermediate Coat: Epoxy, matching topcoat.
 - c. Topcoat: Epoxy, gloss, MPI #77.

END OF SECTION 099600

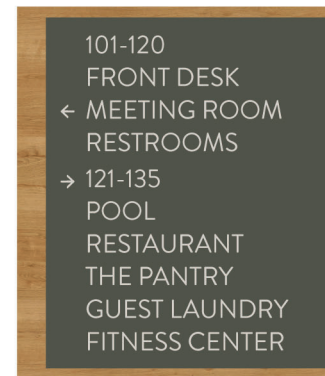
DIRECTIONALS cont:



SBS19-1106
6 Line Directional
11" x 8 3/8"



SBS19-1108
8 Line Directional
11" x 10 3/8"



SBS19-1118
10 Line Directional
11" x 12 7/8"

STAIR/EGRESS:



SBS19-1201
Stair ID Sign (Used for exit floor)
8 1/2" x 3 3/8"



SBS19-1201-NY
(New York Compliant)
Stair ID Sign (Used for all floor)
8 1/2" x 3 3/8"



SBS19-1202
Stair ID Sign
(Used for all floors above exit floor)
8 1/2" x 3 3/8"



SBS19-1203
Stair ID Sign (Used for basement
& garages below exit floor)
8 1/2" x 3 3/8"



SBS19-1204
Exit Sign
8" x 2 7/8"



SBS19-1205
Exit Route Sign
8" x 4 1/8"



SBS19-1206-WS
In Case of Fire 14" x 7 1/2"



SBS19-1206
In Case of Fire 10" x 7 1/2"



SBS19-1221
Elevator Jam ID Sign
4" x 4"



Reflective Exit Decal
SC-1216
16" x 6"



Reflective Numbers
(Mounted in stairwell below smoke line)
SC-1209-R
6" H



Stairwell Sign
(Buildings under 75Ft)
SC-1210
12" x 18"



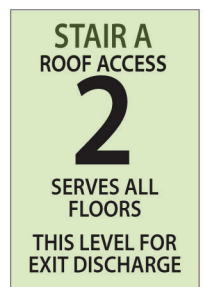
Stairwell Level Sign
PART# SC-1010-8X3-L
8" x 3"



Stairwell Exit Sign
SC-1010-8X3-E
8" x 3"



New York Required
For Door Frames
SC-1212
11 1/4" x 4 1/4"



Photoluminescent
Stairwell Sign
(Buildings over 75Ft)
SC-1211
12" x 18"

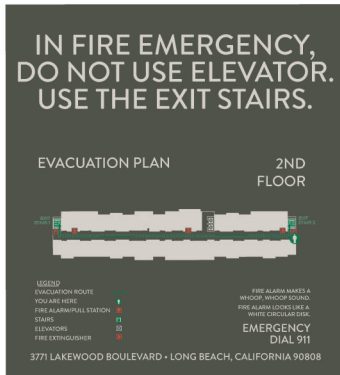


Photoluminescent
Stairwell Level Sign
SC-1011-8X3-L
8" x 3"

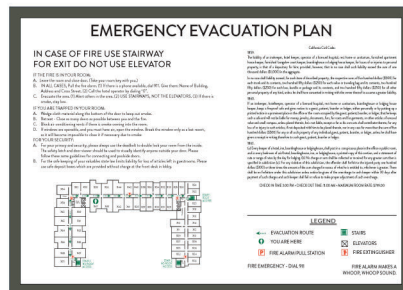


Photoluminescent
Stairwell Exit Sign
SC-1011-8X3-E
8" x 3"

STAIR/EGRESS cont:



SBS19-1223
Corridor Evacuation Sign
11 3/4" x 13"



SBS19-1224
In Room Evacuation Sign
14" x 10"



SBS19-1218
Area of Refuge Signs
6" x 8 3/4"



SBS19-1227
Stair ID Sign (Used for exit floor)
12" x 8 3/4"



SBS19-1218-NY
(New York Compliant)
6" x 8 3/4"

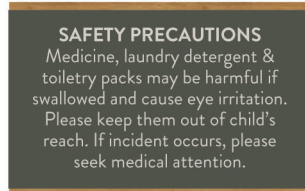


SBS19-1227-NY
(New York Compliant)
12" x 8 3/4"

FITNESS/GUEST LAUNDRY:



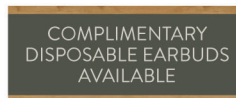
SBS19-1606
Guest Laundry ID Sign
8 1/2" x 2 1/2"



SBS19-1559
Safety Precautions Sign
14" x 9"



SBS19-1600
Fitness ID Sign w/Hours
8 1/2" x 3 3/4"



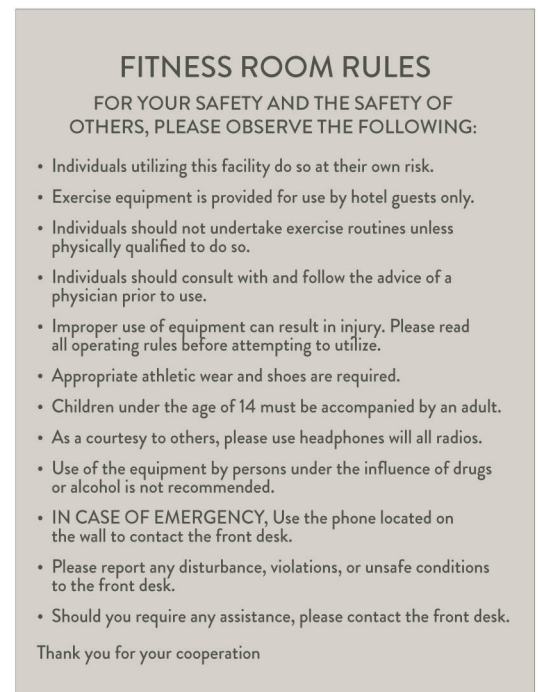
SBS19-1605
Disposable Earbuds Sign
11" x 4 1/2"



SBS19-1603
Wipe Equipment Sign
11" x 4 1/2"



SBS19-1607
Laundry Rules Sign
24" x 18"



SBS19-1601
Fitness Rules Sign
24" x 32"

RESTROOM:

Unisex Restrooms



SBS19-1401
6" x 8"

(California Compliant)



SBS19-1409-D (Dark Doors)



SBS19-1409-L (Light Doors)

Mens Restrooms



SBS19-1403
6" x 8"

(California Compliant)



SBS19-1408-D (Dark Doors)



SBS19-1408-L (Light Doors)

Womens Restrooms

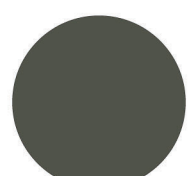


SBS19-1402
6" x 8"

(California Compliant)



SBS19-1407-D (Dark Doors)



SBS19-1407-L (Light Doors)

Accessible
Womens Restrooms



SBS19-1404
6" x 8"

(New York
Compliant)



SBS19-1404-NY-SW
6" x 8"

(California Compliant)



SBS19-1410-D (Dark Doors)



SBS19-1410-L (Light Doors)

Accessible
Mens Restrooms



SBS19-1405
6" x 8"

(New York
Compliant)



SBS19-1405-NY-SW
6" x 8"

(California Compliant)



SBS19-1411-D (Dark Doors)



SBS19-1411-L (Light Doors)

Family Restroom



SBS19-1414
6" x 8 3/4"

Accessible
Family Restrooms



SBS19-1413
6" x 8 3/4"

(New York
Compliant)



SBS19-1413-NY-SW
6" x 8 3/4"

Accessible
Unisex Restrooms



SBS19-1406
6" x 8"

(New York
Compliant)



SBS19-1406-NY-SW
6" x 8"

(California Compliant)



SBS19-1412-D (Dark Doors)

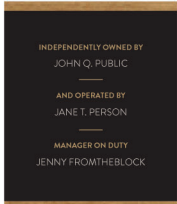


SBS19-1412-L (Light Doors)

Employees must
wash hands before
returning to work

Wash Hands
SBS19-1419
8" x 4"

FRONT DESK/LOBBY:



SBS19-1313
Owner/Operator/Manager
10" x 12"



SBS19-1313-I
Name Inserts 10" x 1"



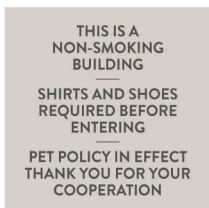
SBS19-1565
Public Phone Sign
14" x 7"



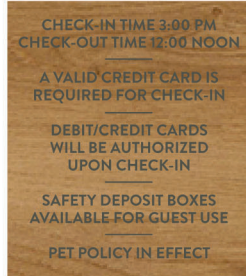
SBS19-1566
Luggage Cart Sign
14" x 7"



SBS19-1527
Meeting Room Sign
12 1/2" x 15"



SBS19-1560-EX
Exterior Great Room Entry
12" x 12"



SBS19-1325-A
Front Desk Sign
14" x 16"



SBS19-1516
14" x 5 3/4"



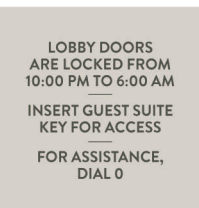
SBS19-1563
Book Exchange
14" x 7"



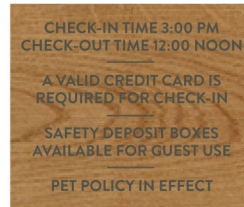
SBS19-1526
Maximum Occupancy Sign
8" x 4"



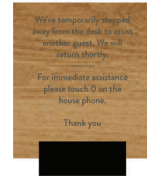
SBS19-1501
1 Line General ID Sign
8 1/2" x 2 1/2"



SBS19-1305-EX
Lobby Entry
12" x 12"



SBS19-1325-B
Front Desk Sign
14" x 12"



SBS19-2001
Information Sign
8" x 9"

THE PANTRY

SBS19-1911-P
Dimensional Letter Sign
28" x 3 1/2"



SBS19-1546
Alcohol Warning
(Buffet Area)
8 1/2" x 3 1/2"



SBS19-1547
Great Room Hours
(Breakfast Hours can be customized but The Social Hours are not customizable.)
14" x 18"

Customizable
Hours



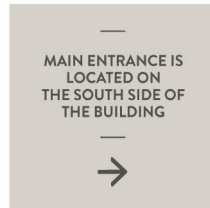
SBS19-1552
Quiet Sign
10" x 7 1/2"



SBS19-1537
Guest Key Card
8" x 4"



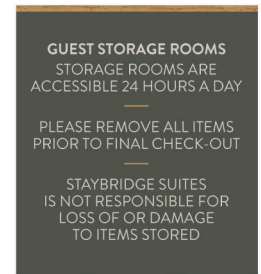
SBS19-1502
2 Line General ID Sign
8 1/2" x 3 3/8"



SBS19-1326-EX
Main Entrance Location
12" x 12"



SBS19-1020
Storage ID Sign
4" x 3 1/8"

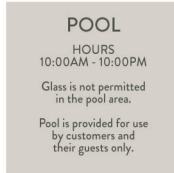


SBS19-1562
Guest Storage Sign
14" x 16"

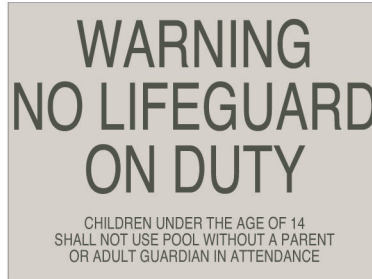
POOL:



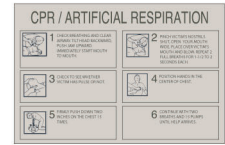
SBS19-1700
(Interior)
8 1/2" x 3 3/4"



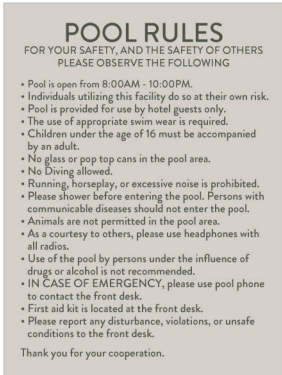
SBS19-1700-EX
12" x 12"



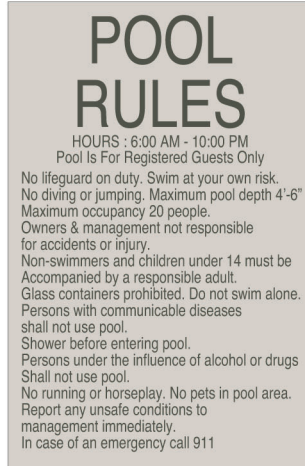
SBS19-1713
32" x 24"



SBS19-1706
18" x 12"



SBS19-1701
24" x 32"



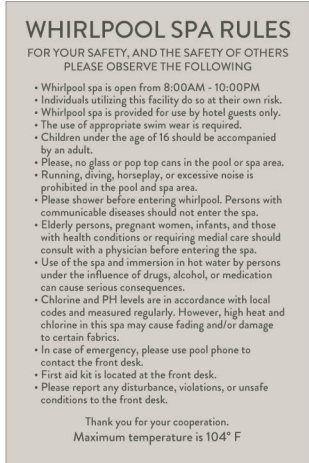
SBS19-1701-CA
(California Compliant)
26" x 40"



SBS19-1714
18" x 12"



SBS19-1707
18" x 12"



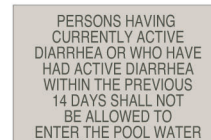
SBS19-1703
26" x 40"



SBS19-1717
24" x 18"



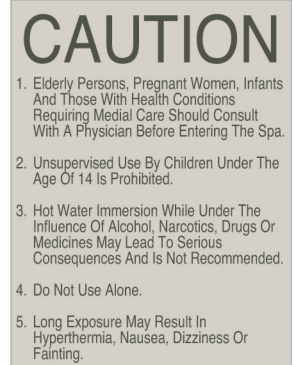
SBS19-1719
24" x 18"



SBS19-1720
18" x 12"



SBS19-1723
8" x 7"



SBS19-1705
(California Compliant)
24" x 32"

POOL cont:

IN EMERGENCY DIAL 911

ANAHEIM FIRE & RESCUE: 714-765-4000
HAMPTON INN & SUITES ANAHEIM
100 W. KATELLA AVE. ANAHEIM, CA 92802

SBS19-1718
40" x 18"

CAUTION:WATER IS RECIRCULATED DO NOT DRINK

SBS19-1716
40" x 18"

NO USE OF POOL ALLOWED AFTER DARK

SBS19-1715
40" x 18"

EXTERIOR:

SPORT COURT RULES

FOR YOUR SAFETY, AND THE SAFETY OF OTHERS
PLEASE OBSERVE THE FOLLOWING

- Sport court is open from 8:00AM - 10:00PM.
- Individuals utilizing this facility do so at their own risk.
- Please use caution as court is slippery when wet.
- Sport court is provided for use by the hotel guests only.
- Equipment is available at the front desk.
- For your safety, the wearing of appropriate athletic shoes is required.
- Children under the age of 12 should be accompanied by an adult.
- Individuals should not undertake exercise routines unless physically qualified or alternatively have a physicians approval to do so.
- An Emergency phone and first aid kit are located at the front desk.
- Please report any disturbance, violations, or unsafe conditions to the front desk.

Thank you for your cooperation.

SBS19-1612-EX
24" x 32"

GRILLING INSTRUCTIONS

- Individuals utilizing this facility do so at their own risk.
- Verify that the burner controls are in the off position.
- Turn on main valve at tank to start the flow of propane.
- Please turn off the main tank when finished using the grill.
- Grilling utensils are available. Please contact guest services.

SBS19-1541-EX
12" x 18"

PET PLAY AREA

SBS19-1738-EX
8" x 8"

↑ PET WALK ↑

Please be
considerate to
others.

SBS19-1739-EX
8" x 8"

15 MINUTE PARKING RESERVED FOR REGISTERING GUESTS

SBS19-1804
8" x 8"

GUEST PARKING

Please remove all
valuables from
your vehicle, user
assumes all
risk and liability

SBS19-1809
8" x 8"



Exterior Signage Brand Standards Manual

New Hotel Openings and Existing Hotels

May 2022

Table of Contents

Section 1: Program Overview and Approved Sign Suppliers:	3
Section 2: Exterior Signage Brand Standards.....	5
Section 3: Signage Recommendation Approval and Contracting.....	9
Section 4: Staybridge Suites® Exterior Sign Models	10
Channel Letters	10
Monument Signs.....	12
Mid-Rise Pylon Signs	13
Hi-Rise Signs.....	14
Directional Signs.....	15
Section 5: Signage Installation Requirements and Preparation Guide.....	16
Section 6: Installation Checklist	24

Section 1: Program Overview and Approved Sign Suppliers:

This Sign Manual applies to the following groups of Staybridge Suites® brand hotels:

- All hotels that are new to the IHG System, either New Developments or Conversions.
- Existing hotels that are required to upgrade their signage as a PIP requirement.
- Existing hotels that are voluntarily upgrading their exterior signage or adding additional signage at the hotel.

About this manual: This manual contains Brand Standards, exterior signage ordering procedures, specifics on all standard sign models available, installation requirements, and electrical / sign anchoring requirements.

IHG-Approved Sign Suppliers

Only IHG-Approved Sign Suppliers are authorized to manufacture Staybridge Suites® exterior signage. Non-approved suppliers are not permitted to manufacture any signage contained in this manual, or any signage containing the Staybridge Suites® trademark. There is not an approval process to have a non-approved supplier approved to manufacture signage. Below are the IHG-Approved Sign Suppliers:

Approved Suppliers in the United States (Approved to supply signs in US, Canada and Caribbean)

Supplier Name	Manufacturing Locations	Contact Phone	Contact Email
Anchor Signs	SC	(800) 213-3331	IHGSignage@anchorsign.com
Colite International	SC	(803) 935-9008	IHGSigns@colite.com
Cummings Signs	AL	(844) 336-2987	hospitalitysales@cummingssigns.com
Image National, Inc.	ID	(208) 761-2041	hospitality@imagenational.com
Jones Signs	CO, FL, MN, NV, VA, WI	(800) 536-7446	IHG@jonessign.com
Persona, Inc	SD	(800) 843-9888	IHG@personasigns.com
PSCO Kieffer	WI	(920) 458-4394	IHG@pscokieffer.com
Velocity Inc.	MS	(662) 449-4026 x-25	hospitality@velocityid.com

Approved Suppliers in Canada (Approved to supply signs in the Canada and US)

Supplier Name	Manufacturing Locations	Contact Phone	Contact Email
Knight Signs	BC	(888) 283-0875	Sales@KnightSigns.ca
Montreal Neon	QC	(866) 672-4888	IHGsignage@montrealneon.com

Approved Suppliers in Mexico (Approved to supply signs in Mexico and Caribbean)

Supplier Name	Manufacturing Locations	Contact Phone	Contact Email
Genemex	Mexico City	01800-506 47 44	IHGsignage@genemex.com
Identidad en Imagen	Guadalajara	01800-506 83 50.	ventas@identidadenimagen.com
Licon Anuncios Luminosos	Mexico City	52 (55) 5637-1245	IHG@liconyasociados.com

Section 2: Exterior Signage Brand Standards

All hotels must comply with the following Exterior Signage standards (certain compliance restrictions apply).

Note: The word “sign” as used throughout this section refers to the full, complete structure including the service mark and/or logo, the sign cabinet, base, and support structure, and all light sources.

Upgrading Existing Staybridge Suites® Signage

Any existing Staybridge Suites® signage upgrade must be implemented on a complete property-wide basis. Under no circumstance will a partial change-over from the former teal & gold or brown & white signage to the new brand signage be permitted.

Primary Brand Identity Signs

- Each hotel must have a freestanding illuminated Primary Brand Identity Ground Sign, either freestanding monument or pylon sign, which must be located so that the hotel is easily identified as a Staybridge Suites® brand hotel.
- Additionally, each hotel must have a building-mounted channel letter sign as the hotel’s Primary Brand Identity Building Sign visible from the primary street view.

Freestanding Signage Requirements

Hotels with Primary and Secondary freestanding signage must comply with the following minimum standards:

- Primary and Secondary sign designs must comply with the sign models shown in section 4 of this manual.
 - Where the local jurisdiction / signage code requirements require an alternate design, IHG approval is required. See section 3 of this manual for the IHG review and approval process.
- The Primary freestanding sign must meet the following minimum heights:
 - Freestanding pylon sign: 15'- 0" (4.6 m),
 - Monument sign: 6'- 5" (1.96 m),
- The Staybridge Suites® Primary and Secondary signage must be illuminated from sunset to sunrise.
- Professionally planted landscaping must surround the base of the pedestal/monument in accordance with the hotel's original landscaping design.

- All freestanding pylon signs with dark gray colored base / pole cover must be installed with the base / pole cover at finished landscape grade without a visible gap.
- No other element or sign may be attached to or affixed, temporarily or permanently, to any freestanding sign. This includes banners, reader boards, LED message centers, and permanent restaurant logos or sign panels.
- *Recommendation:* It is highly recommended that all existing hotels and Conversion hotels plan for possible landscaping damage. There will be considerable work taking place with the replacement of all freestanding signage. It is recommended, wherever possible, that the hotel temporarily transplants the plantings in another location while the signage is being replaced. The Approved Supplier will not be responsible for any damage to plantings during the signage installation process.

Building Sign Requirements

- Each hotel must have a building-mounted channel letter sign that is visible from the primary street view.
- Building mounted channel letters are only approved in the approved layouts shown in section 4 of this manual.
- At replacement of building-mounted signage, the exterior of the hotel must be in like new condition leaving no evidence of a signage change; this may require the hotel to patch, pressure wash and/or paint the exterior wall prior to the installation of the new signage.
- The “Bridge Icon” is a required element of the Staybridge Suites® logo. Signage specifications require the “Bridge Icon” on all building script signs. Eliminating the “Bridge Icon” is not permitted.
- The “Bridge Icon” is not permitted to be displayed by itself on any building signage.
- Exterior raceways and exterior conduit is not permitted on exterior building signage.

General Exterior Signage Standards

- The use of the word “resort” is prohibited on all Staybridge Suites® signage.
- Hotels may not display rates or price ranges on any exterior signage at a Staybridge Suites® hotel.
- Vacancy and/or No Vacancy signs are not permitted.
- All signage must be clean, well-maintained and in good condition.
- Faded sign faces are not permitted and must be replaced.
- Non-illuminating bulbs must be replaced immediately to ensure the signs illuminate properly.

Other On-Premises Signage

- Other on-premises freestanding signs must not obstruct the view of the Primary monument or pylon sign.
- Reader boards, message centers, LED billboards and freestanding LED signs are not permitted to be installed on the Hotel building or anywhere on Hotel property.
- All other on-premises exterior signage must be approved by IHG Architecture & Design Department.
- Banners – for additional information refer to the *Online Brand Standards Manual*.
- Flags – for additional information refer to *Online Brand Standards Manual*.
- Vehicle Markings – for additional information refer to *Online Brand Standards Manual*.

Other Off-Premises Exterior Signage

- All off-premises exterior signage containing the Staybridge Suites logo must be approved as required in Section 3 of this manual.
- Highway billboard signs – for additional information refer to *Online Brand Standards Manual*.
- Highway DOT signs – for additional information refer to *Online Brand Standards Manual*.
- Airport telephone directory signage - for additional information refer to *Online Brand Standards Manual*.

Procurement of Exterior Signage

- All Staybridge Suites® identity signage must be fabricated and installed by Licensor-Approved Sign Manufacturers in accordance with Staybridge Suites® approved technical specifications. The approved manufacturers in the U.S, Canada and Mexico have current Staybridge Suites® technical specifications, and they manufacture all sign models shown in section 4 of this manual. Refer to section #1 of this manual for a listing of by Licensor-Approved Sign Manufacturers.
- Signage purchased without IHG approval is subject to removal or replacement at Licensees expense.

Installation of Exterior Signage

All Exterior Signage must be installed in accordance with Staybridge Suites® Technical Specifications. The Licensor-Approved Sign Manufacturers are fully responsible for the installation of the signage and must maintain oversight of the project from start to finish. If there are issues with the installation, then the supplier will be held responsible for making the necessary corrections. If the sign is not installed to IHG installation requirements, the Licensor-Approved supplier will be responsible for making the corrections.

Inspection of Exterior Signage

Upon completion of the installation, a third-party post-installation inspection will be completed to verify that the signs are properly installed and properly illuminating. If deficiencies are found, both the hotel and the supplier will be notified of the necessary corrections. All exterior signs must pass a post-installation inspection. If deficiencies are found, hotels must ensure that all deficiencies are corrected immediately. Unresolved issues will be turned over to IHG Quality for appropriate follow-up action.

Managing Signage Prior to Opening as a Staybridge Suites® Hotel:

- A hotel that does not yet have a Certificate of Occupancy, is not accommodating guests, and is not officially open as a Staybridge Suites® brand hotel may display approved Staybridge Suites® exterior and interior signage up to 90 days prior to the scheduled opening.
- A hotel that has their Certificate of Occupancy, is able to accommodate guests but is not officially open as a Staybridge Suites® brand hotel, will have the following two options:
 1. The signage installation will be scheduled to begin immediately before the scheduled opening, typically the day before the scheduled opening; or
 2. The signs may be installed up to 14 days prior to the scheduled opening, but must be covered, as well as other elements with the Staybridge Suites® brand identity, so as to not infer that the operating hotel is a Staybridge Suites® brand hotel.
- Exterior signage may not be illuminated until the hotel officially open as a Staybridge Suites® brand hotel.

Section 3: Signage Recommendation Approval and Contracting

Step #1 - Sign Recommendation Documents– Prior to entering into a contract for exterior signage, your IHG-approved Sign Supplier will be required to prepare a Sign Recommendation Document showing the proposed signage for each hotel. IHG requires all approved suppliers to submit the Sign Recommendation Documents to the IHG Signage Department for review and approval. ***Note: All non-standard signage must receive approval from the IHG Signage Department.***

Important Procedural Note: Contact only one (1) exterior Signage Supplier, at first, to initiate the ordering process. The Sign Suppliers upload their Sign Recommendation Documents to the IHG Signage Portal for IHG to review. Only one (1) Sign Supplier can upload a Sign Recommendation Document, which is why we recommend that you work with only one supplier to start. Once the Sign Recommendation Document is approved by IHG, bids can be provided by any IHG-approved supplier. This will ensure all suppliers provide a bid for the same sign package.

Step #2- Exterior Signage Contracting -

The Hotel will contract directly with one of the IHG-Approved Suppliers. The hotel will be responsible for obtaining bids and executing contracts with the approved suppliers. The contracts with the IHG-approved suppliers must include the signage product, permitting, shipping and installation of the signs. IHG does require the installation to be managed by the approved sign supplier. This will ensure that the signage is installed to IHG's required specifications.

Note: Any modifications made to the proposed signage on the Sign Recommendation prior to installation must be reported to and approved by IHG. Any sign contracted and installed without IHG approval will be subject to removal and/or replacement with standard signage at additional cost to the Hotel.

Signage Installation –The approved sign supplier is fully responsible for the installation of the signage and must maintain oversight of the project from start to finish. If there are issues with the installation, the IHG-Approved Supplier will be held responsible for making the necessary corrections. If the sign is not installed to IHG installation requirements, the IHG-Approved Supplier will be responsible for making the corrections.

- **Permitting** – Permitting will be completed by the approved supplier's installer. The supplier will be responsible for preparing the necessary documentation to provide to the installer for permitting.
 - Drawing for Permitting – The Hotel will need to provide the supplier drawings for permitting purposes. These drawings usually include a civil site plan and an architectural site plan (some municipalities require additional drawings).

> CHANNEL LETTERS

CHANNEL LETTER CONSTRUCTION

Icons:
Return: 3" deep aluminum return
Face material: 3/16" 2447 white acrylic
Trim cap: 1" painted Pantone® Plus Series 418 C gray
Illumination: GE 7100K or Sloan 6500K LED's
Exterior finish: painted Pantone® Plus Series 418 C gray
Interior finish: reflective white

Icon Faces:
Face Material: 3/16" 2447 white acrylic w/ Pantone® Plus Series 418 C gray printed on 3M 3635-210 white dual-color film and applied to 1st surface

Channel Letters:
Return: 3" deep aluminum return
Face material: 1/8" 2447 white acrylic
Trim cap: 1" painted Pantone® Plus Series 418 C gray
Illumination: GE 7100K or Sloan 6500K LED's
Exterior finish: paint Pantone® Plus Series 418 C gray
Interior finish: reflective white

Channel Letter Faces:
Face Material: 1/8" 2447 white acrylic w/ Pantone® Plus Series 418 C gray printed on 3M 3635-210 white dual-color film and applied to 1st surface

Trademark Decoration:
Face Material: .063" routed aluminum disk painted Pantone® Plus Series 418 C gray w/ 3M 7725-10 white opaque film applied 1st surface

Letters to be installed on light colored building walls.

LED's to be populated in a fashion that allows for even and consistent illumination without hot spots or shadows.



Note: Channel letter artwork only to be used with channel letters.

STAYBRIDGE SUITES CHANNEL LETTER DIMENSIONS

Model Number	"S" Height Staybridge	"S" Height Suites	Icon Height	Overall Height	Overall Length
	A	B	C	D	E
SBS-16-CL-C	16"	8"	3'-2 5/16"	3'-2 5/8"	11'-10 1/4"
SBS-18-CL-C	18"	9"	3'-7 1/8"	3'-7 7/16"	13'-4 1/16"
SBS-20-CL-C	20"	10"	3'-11 15/16"	4'-0 5/16"	14'-9 13/16"
SBS-24-CL-C	24"	12"	4'-9 1/2"	4'-9 15/16"	17'-9 7/16"

Channel Letters | Not to Scale



> CHANNEL LETTERS

CHANNEL LETTER CONSTRUCTION

Icons:

Return: 3" deep aluminum return
 Face material: 3/16" 7328 white acrylic
 Trim cap: 1" painted Pantone® Plus Series 418 C gray
 Illumination: GE 7100K or Sloan 6500K LED's
 Exterior finish: painted Pantone® Plus Series 418 C gray
 Interior finish: reflective white

Icon Faces:

Face Material: 3/16" 7328 white acrylic

Channel Letters:

Return: 3" deep aluminum return
 Face material: 1/8" 7328 white acrylic
 Trim cap: 1" painted Pantone® Plus Series 418 C
 Illumination: GE 7100K or Sloan 6500K LED's
 Exterior finish: paint Pantone® Plus Series 418 C gray
 Interior finish: reflective white

Channel Letter Faces:

Face Material: 1/8" 7328 white acrylic

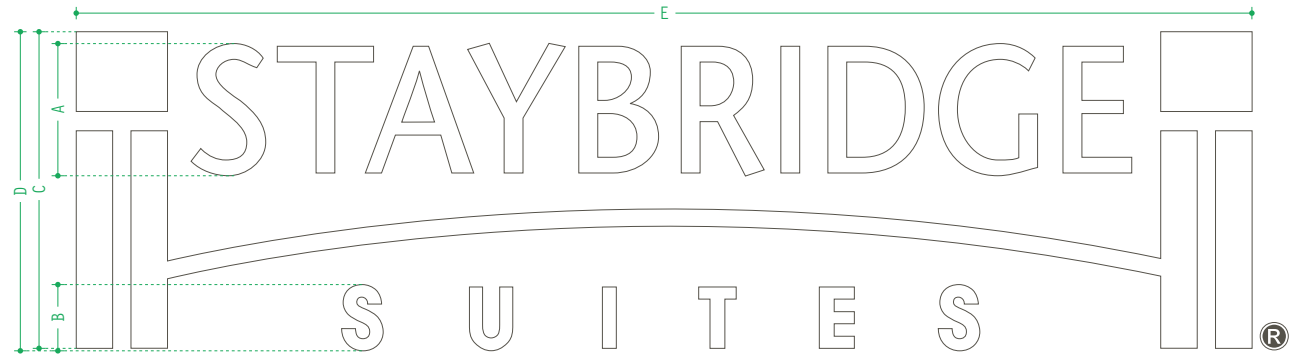
Trademark Decoration:

Face Material: .063" routed aluminum disk painted Pantone® Plus Series 418 C gray w/ 3M 7725-10 white opaque film applied 1st surface

Letters to be installed on dark colored building walls.

LED's to be populated in a fashion that allows for even and consistent illumination without hot spots or shadows.

White Option



Note: Channel letter artwork only to be used with channel letters.

STAYBRIDGE SUITES CHANNEL LETTER DIMENSIONS

Model Number	"S" Height Staybridge	"S" Height Suites	Icon Height	Overall Height	Overall Length
	A	B	C	D	E
SBS-16-CL-W	16"	8"	3'-2 5/16"	3'-2 5/8"	11'-10 1/4"
SBS-18-CL-W	18"	9"	3'-7 1/8"	3'-7 7/16"	13'-4 1/16"
SBS-20-CL-W	20"	10"	3'-11 15/16"	4'-0 5/16"	14'-9 13/16"
SBS-24-CL-W	24"	12"	4'-9 1/2"	4'-9 15/16"	17'-9 7/16"

Channel Letters | Not to Scale



> MONUMENT SIGNS

MONUMENT CONSTRUCTION

Cabinets:

Frame construction: 18" deep aluminum angle

Face material: 3" deep 1/8" aluminum shoebox face

Skin:

Cabinet - 1/8" aluminum

Top & bottom caps - .063" aluminum

Retainer: bleed face

Illumination:

Interior - GE 7100K or Sloan 6500K white LED's

Perimeter accent - GE GEWWXNLE-40L-A Contour LS 4000k warm white

Exterior finish:

Cabinet - paint Pantone® Plus Series 418 C gray

Top & bottom caps - paint Pantone® Plus Series Warm Gray 3 C

Interior finish: reflective white

Faces:

Face Material: 3" deep 1/8" routed aluminum shoebox face with 1st surface painted decoration:

Pantone® Plus Series 418 C gray (opaque)

White (backer panel) - copy

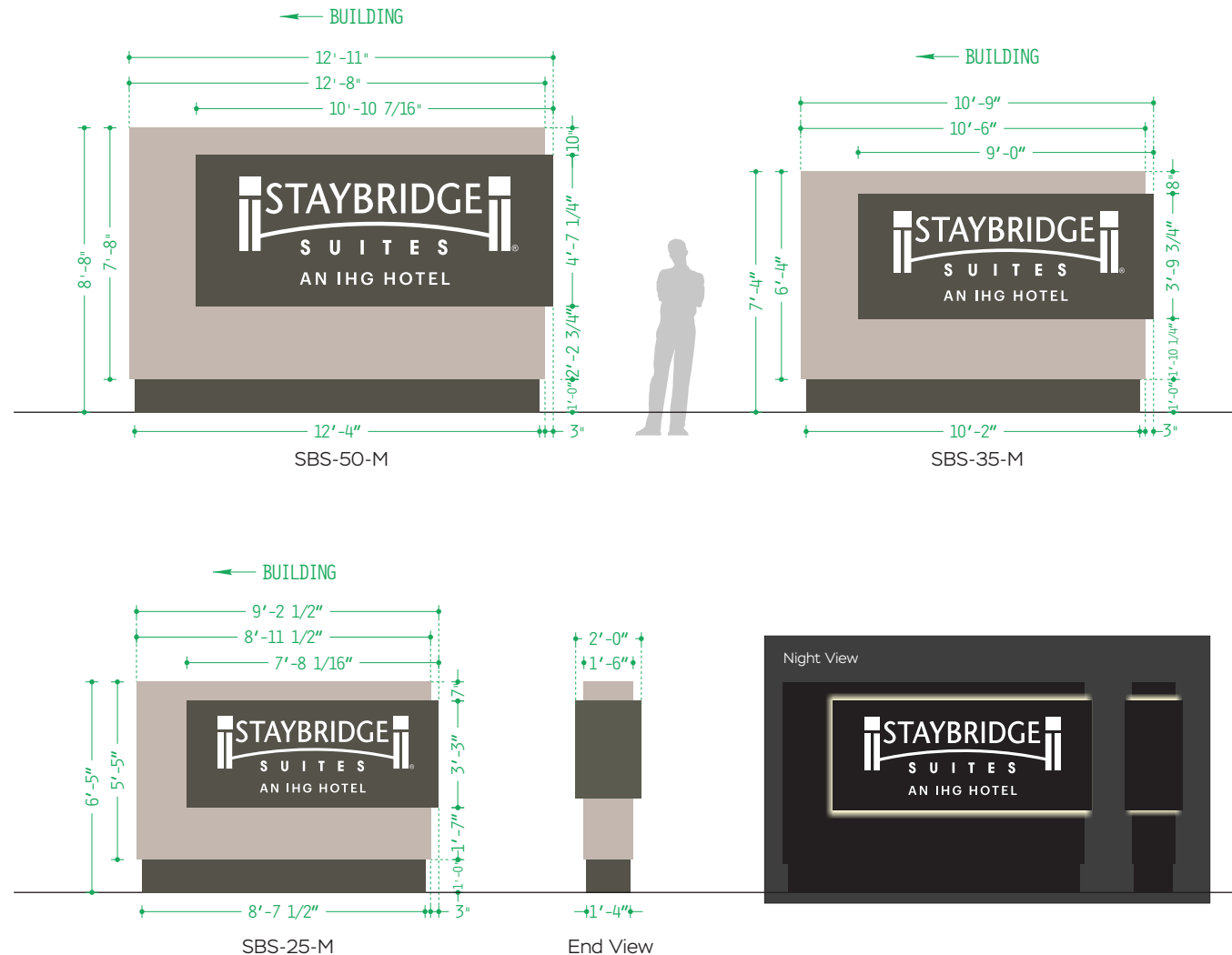
Pole Cover:

Frame construction: 16" deep aluminum angle

Skin: .080" aluminum

Exterior finish: paint Pantone® Plus Series 418 C gray

LED's to be populated in a fashion that allows for even and consistent illumination without hot spots or shadows.



> MID-RISE SIGNS

MID-RISE CONSTRUCTION

Cabinets:

Frame construction: 18" deep aluminum angle

Face material: 3" deep 1/8" aluminum shoebox face

Skin:

Cabinet - 1/8" aluminum

Top & bottom caps - .063" aluminum

Retainer: bleed face

Illumination:

Interior - GE 7100K or Sloan 6500K white LED's

Top & bottom accent - GE GEWWXNLE-40L-A Contour LS 4000k warm white

Exterior finish:

Cabinet - paint Pantone® Plus Series 418 C gray

Top & bottom caps - paint Pantone® Plus Series Warm Gray 3 C

Interior finish: reflective white

Faces:

Face Material: 3" deep 1/8" routed aluminum shoebox face with 1st surface painted decoration:
Pantone® Plus Series 418 C gray (opaque)
White (backer panel) - copy

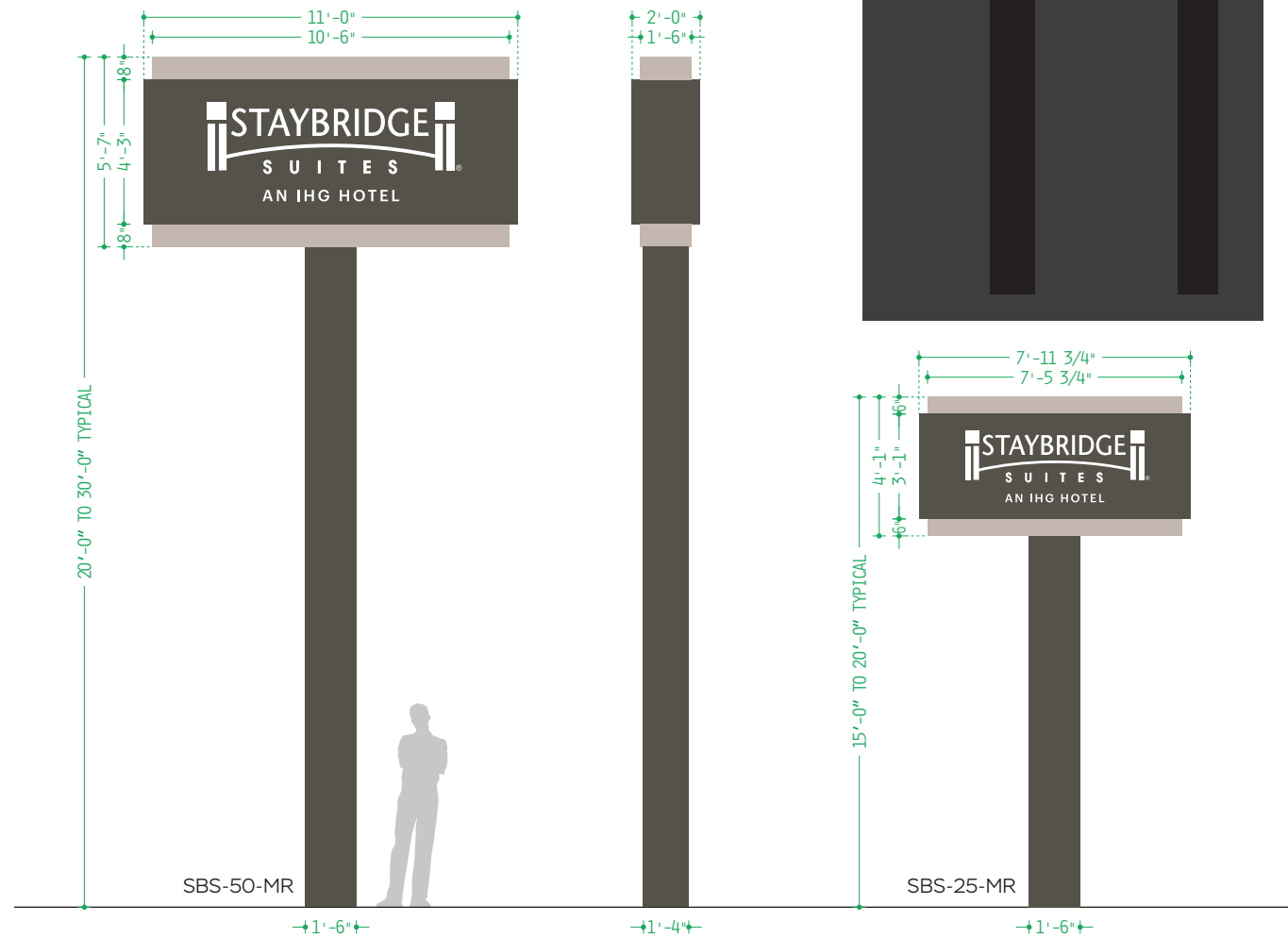
Pole Cover:

Frame construction: 16" deep by 18" wide aluminum angle

Skin: .080" aluminum

Exterior finish: paint Pantone® Plus Series 418 C gray

LED's to be populated in a fashion that allows for even and consistent illumination without hot spots or shadows.



> HI-RISE SIGNS

HI-RISE CONSTRUCTION

Cabinets:

Frame construction: 32" deep reverse angle iron

Face material: 3M Panagraphics III flexible face

Skin: .063" aluminum

Retainer: bleed face

Illumination: GE 7100K or Sloan 6500K white LED's

Exterior finish:

Cabinet - paint Pantone® Plus Series 418 C gray

Top & bottom caps - paint Pantone® Plus Series Warm Gray 3 C

Interior finish: reflective white

Pole structure: paint Pantone® Plus Series 418 C gray

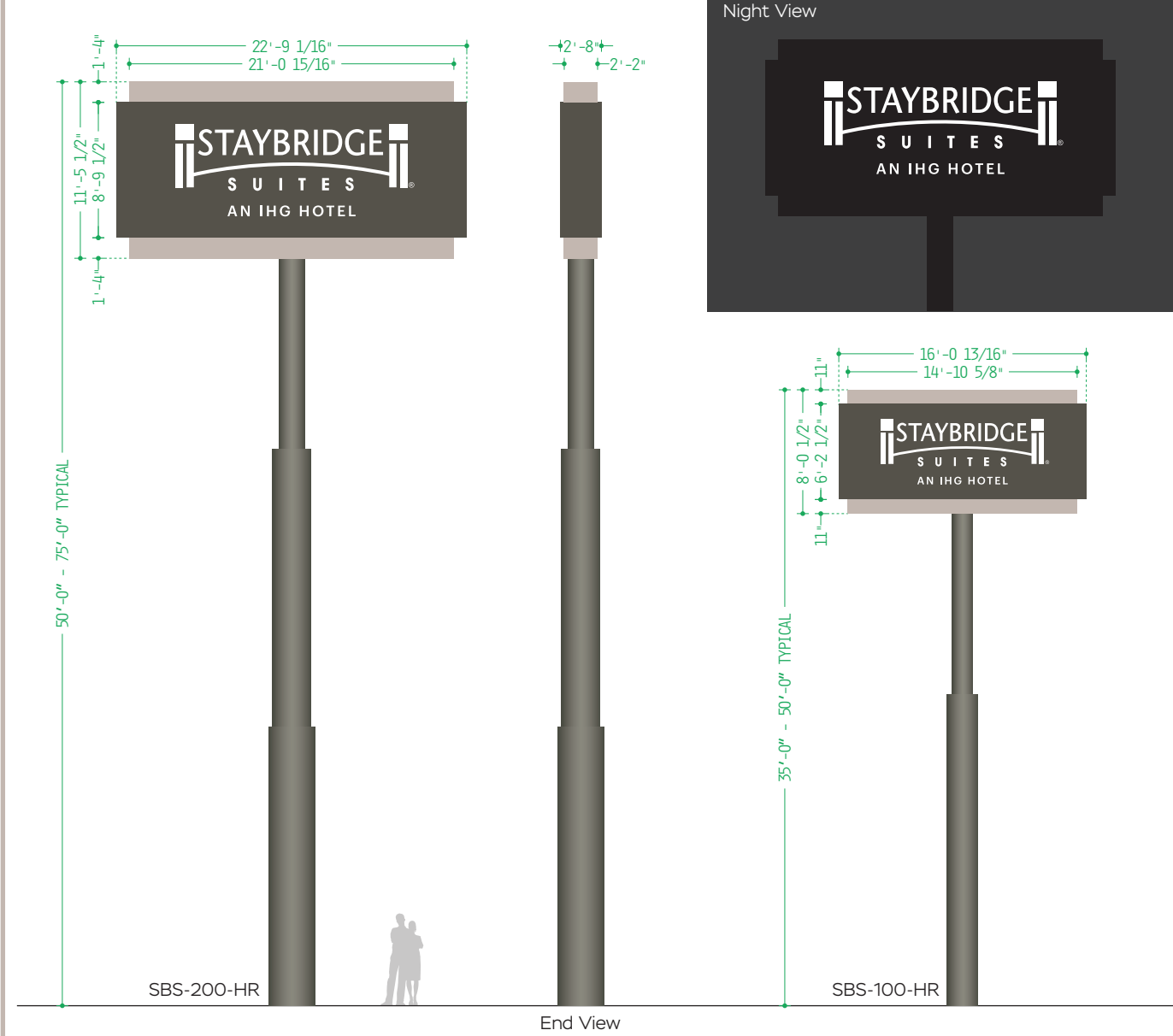
Faces:

Face Material: 3M Panagraphics III flexible face with 1st surface digitally printed decoration to match:

Pantone® Plus Series 418 C gray (opaque)

White (flexible face) - copy

LED's to be populated in a fashion that allows for even and consistent illumination without hot spots or shadows.



> DIRECTIONAL SIGNS

DIRECTIONAL CONSTRUCTION

ID Directional Cabinets:

Frame construction: 10" deep aluminum angle frame

Face material: 1/8" aluminum

Skin: .080" aluminum

Retainer: bleed face

Illumination: GE 7100K or Sloan 6500K white LED's

Exterior finish:

Cabinet - paint Pantone® Plus Series 418 C gray

Interior finish: reflective white

Faces:

Face Material: 1/8" routed aluminum face with .118" 7328 white acrylic backer panel:

Pantone® Plus Series 418 C gray (aluminum)

White (acrylic backer) - copy

Pole Cover:

Top cap construction: 4" aluminum C-channel

Pole cover: aluminum angle frame

Skin: .080" aluminum

Exterior finish: paint Pantone® Plus Series Warm Gray 3 C

Reveal:

Reveal construction: .063" bent-up aluminum

Exterior finish: paint Pantone® Plus Series 418 C gray

Directional Construction:

Frame construction: 10" deep aluminum angle

Face materials: 1/8" aluminum

Retainer: bleed face

Illumination: GE 7100K or Sloan 6500K white LED's

Exterior finish:

Top 2 1/2" - paint Pantone® Plus Series Warm Gray 3 C

Bottom 3'-9 1/2" - paint Pantone® Plus Series 418 C gray

Interior finish: paint reflective white

Faces:

Face Material: 1/8" routed aluminum face with .118" 7328 white acrylic backer panel:

Pantone® Plus Series 418 C gray & Pantone® Plus Series Warm Gray 3 C (aluminum)

White (acrylic backer) - copy

LED's to be populated in a fashion that allows for even and consistent illumination without hot spots or shadows.



Section 5: Signage Installation Requirements and Preparation Guide

General Responsibilities of the hotel in the exterior signage process

- There must be adequate access available behind every wall that will support any wall sign.
- Electrical wiring for individual letters will penetrate the exterior wall and distribute in the cavity of the interior wall framing terminating at transformers
- The hotel is responsible for having the proper 120v electrical power to within 6 ft. of the new signage area (exact location should be coordinated between the hotel and the sign installer). The hotel is also responsible for having a certified electrician make the final electrical connection between the primary electrical power supply and the lead wire(s) from the newly installed signage.
- Mounting support of the letters will penetrate the exterior wall and be bolted on the back side of the supporting plywood structure (exterior drywall, behind the dryvit, is not an adequate structural substrate to support the mounted letterset). Letters mounted on block or concrete walls may not necessarily penetrate all of the way through the back side of the supporting wall.
- Membrane roofs – if a membrane roof system (including membrane material that extends up a parapet wall) must be penetrated, it is the hotel's responsibility to hire a qualified roofing contractor to make the proper penetrations, or advise on the proper method of penetration, so that the integrity, and possibly the warranty, of the membrane roof is not compromised. The roofing contractor is responsible for patching any penetrations made.
- Roof mounted signs – the hotel is responsible for hiring a qualified roofing contractor to patch any penetrations made into the roofing material in conjunction with the removal or installation of a roof mounted sign. This will help to ensure that the hotel's warranty is left intact. Hotel should verify with the contracted roofing company that the warranty will continue to be valid after the work is completed. The roofing contractor may choose to make the necessary penetrations or advise as to the method of penetration.
- EIFS/Dryvit exteriors - If sleeves are required for penetrations in EIFS/Dryvit systems, your IHG-approved Sign Manufacturer should be notified when requesting bids. If a certain brand of sleeves or caulking is to be used, then the hotel should supply the specifics to the sign installer at least two weeks prior to installation date. If a certain sleeve installation method is to be used, the hotel must provide written instructions along with an instructional diagram.

Exterior EIFS repair when Existing sign was/is installed

Upon removal of the existing building signs, EIFS must be patched and painted prior to installation of all new building sign. This EIFS work will help ensure weather tightness, secure applicable warranties, and provide a more aesthetically pleasing wall surface.

- Your sign installer will provide a basic patch and paint of the EIFS at the existing wall sign location(s). Because they are not EIFS professionals, you may be asked to sign off on their work prior to installation of the new sign(s). Should the EIFS need to be repaired and skimmed by an EIFS professional due to indentations, tears, rips, improper original installation, or other factors, the hotel will be responsible for hiring the EIFS professional as well as paying for a possible extra trip charge by the sign installer. This EIFS work will help ensure weather tightness, secure applicable warranties, and provide a more aesthetically pleasing wall surface.
- If approved by the sign supplier, the hotel may contract to have EIFS professionals complete the repairs if coordinated with the sign supplier.
- The EIFS repair should be satisfactorily completed before the new signage is installed.

Exterior painting of signage area when Existing sign was/is installed

- Upon removal of the existing signage and the appropriate restorations made, the sign supplier is responsible for painting (or cleaning if the wall area is unpainted masonry) the wall area to match the surrounding wall area. If supplier selects the paint color and it does not match, then the supplier is responsible for repainting the area to match. If the hotel approves the paint color that the supplier is to use and the color does not match, it is the hotels responsibility for repainting the area to match. If the hotel selects the paint color and it does not match, then the hotel is responsible for repainting the area to match.
- Painting should be completed and the match verified before the new signage is installed.
- The hotel should inform their selected sign supplier of any situations, not shown on the recommendation document, which may be an obstacle (pools, walls, etc.) to installation equipment (cranes, lifts, etc.)

- **Drawings for permits** – hotel is responsible for providing the sign supplier the needed drawings of the hotel property as required by the municipality.
 - These drawings usually include a civil site plan and an architectural site plan (some municipalities require additional drawings). Having these drawings available at the time of supplier selection will greatly speed up the permitting process. *Cities in Canada typically also require full elevation drawings that show the measurements of each building face.
 - If the Hotel is seeking to reuse an existing hi-rise pole and foundation, then copies of the engineering drawings (and calculations if possible) are necessary, for analysis by the supplier's engineer, to determine the structural sufficiency to support the new sign based on the current codes. If these drawings are not provided by the hotel, additional expenses and time may be necessary to complete the analysis.

Mounting preparation

- *Wall signs mounted on exterior walls/parapets*
 - Use of exterior raceway(s) to mount wall sign(s) is not permitted.
 - Wall signs will be mounted using bolts to attach the individual letters to the structure of the supporting wall/parapet
 - Walls with studs and plywood
 - 3/4 " (minimum) plywood is recommended as the substrate behind the area of the wall mounted signage (see Sign Supplier recommendation document {if available} for location and dimensions of wall signage); if the Hotel does not have 3/4" plywood, contact your Sign Supplier to inform them of the existing substrate
 - Wall signage will be typically supported by through-bolts which will be bolted on the back side of the plywood substrate
 - Access to the wall cavity on the back (interior) side of the exterior wall is essential
 - Adequate access must be given inside the drywall (drywall will need to be removed by the Hotel as required at time of signage installation; typically for a 2-3day period)
 - It is the hotel's responsibility to remove the drywall and to replace and repair the area after signage installation
 - This is a common condition at guest room areas and stairwells
 - If the signage is to be mounted outside a guest room, then those rooms will need to be temporarily removed from service as the drywall on the exterior wall will need to be removed for the signage installation.
 - Note that all transformers must have an access panel to allow any required maintenance



Not the best way to provide access



The best way to provide access

- Walls with block or brick exterior
 - Wall signage will be supported by bolts which will be anchored into the block or brick. The block or brick must be adequately supported or self-supporting such that it will sustain the loads imposed by the attached signage
 - Access to the back side of the exterior wall (either the stud wall cavity or the back side of a block wall) is essential to allow the electrical wiring to penetrate the exterior wall and be distributed to central power transformers
 - If wiring cannot remain exposed on the interior, the hotel will be responsible for constructing whatever is necessary and desired to conceal the wiring and the accompanying transformers
 - The hotel may have to build a false wall or chase-way on the interior of the room to accommodate and cover up the needed wiring and transformers
 - Note that all transformers must have an access panel to allow any required maintenance
 - Elevator shafts – Signs may be installed on exterior walls that contain an elevator shaft if permitted by the city inspectors and the state fire marshal

- **Ground signs mounted on concrete foundations**

- Pylon and Highway signs

- The standard protocol for hotels with existing ground signs is for the sign supplier to install a new foundation (for the new ground sign) adjacent to any existing foundation.
 - An engineering review may be made to determine if the existing foundation is adequate (based on current applicable codes) to support the new ground sign
 - Modifications (which may involve additional costs to the hotel) to the existing foundation may be necessary to accommodate the new signage main anchoring system
 - If the new sign is going to be installed in the same location as the old sign, and the foundation is found to be inadequate to support the new sign, then additional costs will be incurred to excavate and remove the existing foundation prior to the installation of the new foundation.
 - Ground signs (pylon, monument and directional) with an aluminum dark gray colored base / pole cover must be installed with the base/pole cover at grade.
 - Ensure that the proposed location has adequate space available for the foundation
 - Foundation sizes range from small to very large
 - Small pylon foundations - 3'x3'x3'
 - Medium pylon foundations – 5'x5'x4'
 - Large pylon foundations – 14'x10'x6'
 - Highway signage foundations are very large
 - Typical sizes can vary from 10'x8'x6' to 25'x15'x10'
 - Drilled caissons (which requires less ground area, but requires deeper depths) may be an alternative to a spread foundation (typical dimensions shown above)
 - The installer is responsible to ensure that the proposed foundation location is free from **public** underground utilities such as: water lines, data lines, utility electrical lines, etc.
 - All **private** underground utilities (electric lines, sprinkler lines and heads, swimming pool water lines, etc.) should be marked with flags, stakes, or paint and pointed out to the sign installer prior to digging the foundation

- It is the hotel's responsibility to remove any landscaping material(s) from the foundation area
 - Remember to allow enough room for large equipment to access the signage area
 - The sign installer is not responsible for damaged landscaping left around the signage installation area
 - Any landscaping material remaining at the time of foundation installation will be removed by the signage installer
 - Landscaping material removed by the signage installer will be left on site for disposal by the hotel
- **Electrical requirements**
 - Signs installed on exterior walls/parapets
 - Illuminated wall signs typically consist of a "Bridge Icon" accompanied by individual letters
 - The Bridge Icon and each letter is individually powered
 - Lead wires can be no longer than 10 ft. from the letter to the transformer
 - Each powered letter connects to a shared transformer(s)
 - Each letter's electrical lead will directly penetrate the exterior wall and be directed through the wall cavity to the appropriate transformer
 - Electrical leads will not be connected or laced together on the exterior of the building
 - Exterior raceways will not be allowed – drywall is to be removed on the interior wall to provide access for signage installation
 - Required electrical power is 120v
 - If the supplied power is something other than 120v, you must contact your Sign Supplier to advise the type of supplied power
 - All electrical circuits utilized for signage must be dedicated circuits exclusively used for the powered signage
 - Power supply to the signage area is the responsibility of the hotel
 - Power supply must be terminated in a junction box per local electrical codes
 - A switch should be located on the sign side of the junction box; the switch must be accessible (for maintenance reasons); if an access panel is used the switch can be located within the access panel
 - Electrical junction box should be located within the signage area
 - If required, an access panel is to be provided by the sign installer for all power transformers located in a wall cavity.

- The hotel should coordinate with the signage installer to determine the location for the access panel (access panels may be able to be “hidden” behind bed headboards, pictures, mirrors, or other room objects)
 - If the hotel wants to assume responsibility for providing the access panel, the sign installer can coordinate the location of the access panel with the hotel
 - If mounted on a fire-rated wall, then the access panel must meet the required fire rating
 - The transformers are rated to a maximum ambient temperature of 145 degrees F while operating (night time) and 180 degrees F while not operating (daytime); attic areas should be ventilated such that the temperature will not exceed the allowed maximum ambient temperature
- Typical required amperage
 - All wall signs – (1) 20 amps circuit / 120 volts
- Ground signs
 - Primary electrical wiring is the responsibility of the hotel
 - If electrical power is not already within six feet of the sign, the hotel should hire a certified electrician to install the needed electrical power; hotel should contact their selected supplier for specific electrical requirements
 - Primary electrical wiring should be underground and terminated no farther than six feet from the ground sign
 - The junction box should be located underground and should not be mounted to the side of the sign; if the junction box must be mounted to the side of the sign (due to code restrictions or other valid reasons), the your Sign Supplier should be contacted and the top of the junction box should not be located more than six inches from grade.
 - Typical required amperage
 - All ground signs – (1) 20 amps circuit / 120 volts.

SIGNAGE INSTALLATION SUMMARY

Description	Responsibility	
	<u>Hotel</u>	<u>Sign Installer</u>
Apply for and obtain signage permits from municipality		▲
Provide proper substrate for wall signage	▲	
Provide access for wall sign installation	▲	
Remove drywall	▲	
Replace drywall	▲	
Paint/vinyl new drywall	▲	
Provide access panel (as required)		▲
Locate position of access panel	▲	▲
Provide sufficient electrical power to signage area	▲	
Hire electrician to run primary power and make final connection	▲	
Junction box within signage area	▲	
Switch on junction box	▲	
Connect sign letters to transformers		▲
Connect sign transformers to junction box	▲	
Drill holes and make secure signage attachment		▲
Retain roofing contractor to seal penetrations in membrane roofing on the back side of the parapet	▲	
Dig & pour foundation for ground signs		▲
Locate underground public utilities		▲
Mark private underground utilities (sprinklers, etc.)	▲	
Move landscaping in area of ground sign (as required)	▲	
Replace landscaping in area of ground sign	▲	

Section 6: Installation Checklist

Prior to the installation of exterior signage at the hotel, there are several areas in which you can assist to ensure that the installation process is completed as smoothly and quickly as possible. Please review and complete the applicable items from the list below prior to your scheduled signage installation.

Pre-Installation Checklist

Parking lot access

- ☐ Throughout the signage installation process, the sign installation company will need access to parking lot areas around all freestanding signs for removal and installation. The installation company will also need access to the perimeter of the building to access all building signs. Please make sure that these areas are accessible during the signage installation. This may require blocking portions of the parking lot to ensure accessibility by the installers.

Landscaping

- ☐ While the sign installation company will do its best to preserve the hotel's landscaping, the landscaping around the base of the freestanding signs is subject to damage. Prior to the removal and installation of freestanding signage where landscaping is present, you should consider transplanting plants where possible. The sign installation company will not be responsible for damaged landscaping.
- ☐ In some cases, hearty plantings such as bushes and shrubs may need to be removed completely depending on the scope of work required.

Hotels with Building Signs

Wall Repair and Painting

- ☐ Brand standards require that the building façade has a like-new appearance, leaving no evidence of a signage change. Wall repair is typically required when the building façade is constructed of EIFS (synthetic stucco) or similar construction material. In some cases, a limited wall repair consists of a simple patch and paint of the holes from the existing signage. In other cases, additional resurfacing and painting may be required. In most cases, the extent of the repair that is required cannot be determined until the existing signage is removed from the building. See page 22 for additional requirements on EIFS repair.
- ☐ If patching is required, painting of the patched areas will be necessary. Having a matching paint available, or a proper paint-match that can be easily purchased, will ensure the proper touch-up is completed at the time of the installation.

Guest Room Accessibility

- ☐ If there is a building sign directly outside of a guest room(s), then please make the appropriate preparations to temporarily remove these rooms from rentable service while the installation is taking place. If there is not an access panel behind the wall or ceiling area where the sign is to be installed, then the installer will need to provide an access panel to the electrical transformer.

Electrical Requirements

- ☐ Sign installers are generally not licensed electricians, but in some cases will make the final sign electrical connections. An electrical contractor may be required to provide this final connection or install additional electrical feeds to the signs. For example, a sign may need to be relocated, even only a few feet, so an electrical contractor may need to be engaged.
 - If the Hotel has a reliable electrical contractor that is used, please have the contact information available in case the contractor is needed to assist with the installation.

Post-Installation Checklist

After the installation is complete, please check the following items:

- ☐ Ensure that all ground signs appear to be installed properly to the Hotel's satisfaction and are free of defects. Verify that all illuminated signs illuminate.
- ☐ Ensure that all building wall signs appear to be installed properly to the Hotel's satisfaction and are free of defects. Verify that all building signs illuminate.

If there are any issues with the installation, please immediately contact your supplier to report any noticeable issues.

Landscaping

- ☐ If all ground signs appear to be in working order, it will be the hotel's responsibility to ensure that the proper landscaping is provided. If there are noticeable signage deficiencies, refrain from completing the landscaping until the issue has been resolved.

SECTION 102600 - WALL AND DOOR PROTECTION

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Corner guards.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, impact strength, dimensions of individual components and profiles, and finishes.
 - 2. Include fire ratings of units recessed in fire-rated walls and listings for door-protection items attached to fire-rated doors.
- B. Samples for Initial Selection: For each type of impact-resistant wall-protection unit indicated, in each color and texture specified.
 - 1. Include Samples of accent strips and accessories to verify color selection.

1.3 DELIVERY, STORAGE, AND HANDLING

- A. Store wall and door protection in original undamaged packages and containers inside well-ventilated area protected from weather, moisture, soiling, extreme temperatures, and humidity.
 - 1. Maintain room temperature within storage area at not less than 70 deg F during the period plastic materials are stored.
 - 2. Keep plastic materials out of direct sunlight.
 - 3. Store plastic wall- and door-protection components for a minimum of 72 hours, or until plastic material attains a minimum room temperature of 70 deg F.
 - a. Store corner-guard covers in a vertical position.

1.4 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of wall- and door-protection units that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:

- a. Structural failures including detachment of components from each other or from the substrates, delamination, and permanent deformation beyond normal use.
 - b. Deterioration of metals, metal finishes, plastics, and other materials beyond normal use.
2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain wall- and door-protection products from single source from single manufacturer.

2.2 CORNER GUARDS

- A. Surface-Mounted, Opaque-Plastic Corner Guards: Fabricated as one piece from PVC plastic; with formed edges; fabricated with 90- or 135-degree turn to match wall condition.
 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.

2.3 MATERIALS

- A. Plastic Materials: Chemical- and stain-resistant, high-impact-resistant plastic with integral color throughout; extruded and sheet material as required, thickness as indicated.
- B. Fasteners: Aluminum, nonmagnetic stainless-steel, or other noncorrosive metal screws, bolts, and other fasteners compatible with items being fastened. Use security-type fasteners where exposed to view.
- C. Adhesive: As recommended by protection product manufacturer.

2.4 FABRICATION

- A. Fabricate wall and door protection according to requirements indicated for design, performance, dimensions, and member sizes, including thicknesses of components.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Complete finishing operations, including painting, before installing wall and door protection.
- B. Before installation, clean substrate to remove dust, debris, and loose particles.

3.2 INSTALLATION

- A. Installation Quality: Install wall and door protection according to manufacturer's written instructions, level, plumb, and true to line without distortions. Do not use materials with chips, cracks, voids, stains, or other defects that might be visible in the finished Work.
- B. Mounting Heights: Install wall and door protection in locations and at mounting heights indicated on Drawings.

3.3 CLEANING

- A. Immediately after completion of installation, clean plastic covers and accessories using a standard ammonia-based household cleaning agent.
- B. Remove excess adhesive using methods and materials recommended in writing by manufacturer.

END OF SECTION 102600

SECTION 102800 - TOILET, BATH, AND LAUNDRY ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Public-use washroom accessories.
 - 2. Private-use bathroom accessories.
 - 3. Childcare accessories.

1.2 ACTION SUBMITTALS

- A. Product Data:
 - 1. Public-use washroom accessories.
 - 2. Private-use bathroom accessories.
 - 3. Childcare accessories.
- B. Product Data Submittals: For each product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
 - 2. Include anchoring and mounting requirements, including requirements for cutouts in other work and substrate preparation.
 - 3. Include electrical characteristics.
- C. Product Schedule: Indicating types, quantities, sizes, and installation locations by room of each accessory required.
 - 1. Identify locations using room designations indicated.
 - 2. Identify accessories using designations indicated.
- D. Delegated Design Submittals: For grab bars.
 - 1. Include structural design calculations indicating compliance with specified structural-performance requirements.

1.3 INFORMATIONAL SUBMITTALS

- A. Sample Warranty: For manufacturer's special warranties.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Design accessories and fasteners to comply with the following requirements:
 - 1. Grab Bars: Installed units are able to resist 250 lbf concentrated load applied in any direction and at any point.

2.2 PUBLIC-USE WASHROOM ACCESSORIES

- A. Source Limitations: Obtain each type of public-use washroom accessory from single source from single manufacturer.
- B. Toilet Tissue (Roll) Dispenser:
 - 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
 - 2. Description: Double-roll dispenser.
- C. Combination Towel (Folded) Dispenser/Waste Receptacle:
 - 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
 - 2. Description: Combination unit for dispensing C-fold or multifold towels, with removable waste receptacle.
- D. Grab Bar:
 - 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
 - 2. Configuration and Length: As indicated on Drawings.
- E. Hook:
 - 1. Manufacturers: Subject to compliance with requirements, provide products by the

following:

- a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.

2. Description: Single-prong unit.

2.3 PRIVATE-USE BATHROOM ACCESSORIES (GUESTROOMS)

- A. Source Limitations: Obtain each type of private-use bathroom accessory from single source from single manufacturer.
- B. Private-Use Bathroom Accessories:
 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.

2.4 CHILDCARE ACCESSORIES

- A. Source Limitations: Obtain each type of childcare accessory from single source from single manufacturer.
- B. Diaper-Changing Station:
 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
 2. Description: Horizontal unit that opens by folding down from stored position and with child-protection strap.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install accessories in accordance with manufacturers' written instructions, using fasteners appropriate to substrate indicated and recommended by unit manufacturer. Install units level, plumb, and firmly anchored in locations and at heights indicated.
 1. Remove temporary labels and protective coatings.
- B. Grab Bars: Install to comply with specified structural-performance requirements.

3.2 ADJUSTING AND CLEANING

- A. Adjust accessories for unencumbered, smooth operation. Replace damaged or defective items.
- B. Clean and polish exposed surfaces in accordance with manufacturer's written instructions.

END OF SECTION 102800

SECTION 102819 - TUB AND SHOWER ENCLOSURES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Framed shower doors and enclosures.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for shower doors and enclosures.
- B. Shop Drawings: For tub and shower doors and enclosures.
 - 1. Include plans, elevations, sections, and attachment details.
- C. Samples for Initial Selection: For each type of exposed finish.
- D. Product Schedule: For tub and shower doors and enclosures. Use same designations indicated on Drawings.

1.3 INFORMATIONAL SUBMITTALS

- A. Sample Warranty: For manufacturer's special warranty.

1.4 FIELD CONDITIONS

- A. Verify dimensions by field measurements before fabrication and indicate on Shop Drawings.

1.5 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of tub and shower doors and enclosures that fail in materials or workmanship within specified warranty period, without monetary limitation.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures including excessive deflection.

- b. Deterioration of metals, metal finishes, and other materials beyond normal use.
- 2. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 FRAMED ENCLOSURES

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Alumax Bath Enclosures
 - 2. American Shower Door Corporation
 - 3. Artistcraft Shower Doors
 - 4. Basco, Inc
 - 5. Century Bathworks
 - 6. Fleurco Products Inc.
 - 7. Hartung Glass Industries
 - 8. HMI
 - 9. Southeastern Aluminum Products, LLC
 - 10. VIGO Industries LLC
- B. Glass panels with full perimeter frames of extruded aluminum with screw-fastened corners. Minimum 3/8-inch penetration of glass into frame. Framing members of thickness required to support imposed loads.
- C. Frames, Hardware, and Trim: Manufacturer's standard units as indicated and as required for a complete installation.
 - 1. Materials: Aluminum; ASTM B221.
 - 2. Finish: Clear anodic.
- D. Swinging Doors: Top-and-bottom pivot hinges. Manufacturer's standard pulls and latch.
- E. Glazing:
 - 1. Safety glazing materials complying with 16 CFR 1201, Category II, with permanently etched identification acceptable to authorities having jurisdiction.
 - a. Glass Nominal Thickness: 6 mm.
 - b. Clear Glass: ASTM C1048, Type I, Quality-Q3, Class I (clear), Kind FT.
 - c. Protective, Self-Cleaning, Glass Coating: Clear float glass with a coating on first surface having both photocatalytic and hydrophilic properties that act to loosen dirt and to cause water to sheet evenly over the glass instead of beading.
- F. Fasteners: Manufacturer's standard stainless steel or other noncorrosive fasteners.

- G. Sealant: Mildew-resistant, single-component, nonsag, neutral-curing silicone joint sealant; ASTM C920, Type S, Grade NS, Class 25, for Use NT.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Prepare and install per manufacturer's written instructions unless more stringent requirements are contained in NGA's "GANA Glazing Manual."
- B. Clean substrates, removing projections, filling voids, and sealing joints.
- C. Set units level, plumb, and true to line, without warp or rack of frames and panels, and anchor securely in place.
- D. Fasten components securely in place, with provisions for thermal movement. Install with concealed fasteners unless otherwise indicated.
- E. Install components to drain and return water to tub or shower.
- F. Install doors to produce smooth operation and tight fit at contact points.
- G. Repair, refinish, or replace components damaged during installation.

3.2 ADJUSTING AND CLEANING

- A. Adjust operating parts and hardware for smooth, quiet operation and watertight closure. Lubricate hardware and moving parts.
- B. Remove nonpermanent labels, and clean surfaces immediately after installation.

END OF SECTION 102819

SECTION 104413 - FIRE PROTECTION CABINETS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Fire-protection cabinets for the following:
 - a. Portable fire extinguisher.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Show door hardware, cabinet type, trim style, and panel style. Include roughing-in dimensions and details showing recessed-, semirecessed-, or surface-mounting method and relationships of box and trim to surrounding construction.
 - 2. Show location of knockouts for hose valves.
- B. Samples: For each type of exposed finish required.
- C. Product Schedule: For fire-protection cabinets. Indicate whether recessed, semirecessed, or surface mounted. Coordinate final fire-protection cabinet schedule with fire-extinguisher schedule to ensure proper fit and function. Use same designations indicated on Drawings.

1.3 COORDINATION

- A. Coordinate size of fire-protection cabinets to ensure that type and capacity of fire extinguishers indicated are accommodated.
- B. Coordinate sizes and locations of fire-protection cabinets with wall depths.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain fire-protection cabinets, accessories, and fire extinguishers from single source from single manufacturer.

2.2 FIRE-PROTECTION CABINET

- A. Fire-Protection Cabinet Type: Suitable for fire extinguisher.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Babcock-Davis
 - b. Croker; a Division of Morris Group International
 - c. Guardian Fire Equipment, Inc
 - d. J. L. Industries, Inc.; Activar Construction Products Group, Inc.
 - e. Larsen's Manufacturing Company
 - f. Nystrom, Inc.
 - g. Potter Roemer LLC; a Division of Morris Group International
 - h. Strike First Corporation of America
- B. Cabinet Construction: Refer to drawings for fire-rated walls
 - 1. Fire-Rated Cabinets: Construct fire-rated cabinets with double walls fabricated from 0.043-inch- thick cold-rolled steel sheet lined with minimum 5/8-inch- thick fire-barrier material. Provide factory-drilled mounting holes.
- C. Cabinet Material: Aluminum sheet.
 - 1. Shelf: Same metal and finish as cabinet.
- D. Semirecessed Cabinet: One-piece combination trim and perimeter door frame overlapping surrounding wall surface, with exposed trim face and wall return at outer edge (backbend).
 - 1. Square-Edge Trim: 1-1/4- to 1-1/2-inch backbend depth.
- E. Cabinet Trim Material: Aluminum sheet.
- F. Door Material: Aluminum sheet.
- G. Door Style: Solid opaque panel with frame.
- H. Door Hardware: Manufacturer's standard door-operating hardware of proper type for cabinet type, trim style, and door material and style indicated.
 - 1. Provide projecting lever handle with cam-action latch.
 - 2. Provide continuous hinge, of same material and finish as trim,, permitting door to open 180 degrees.
- I. Accessories:
 - 1. Door Lock: Cam lock that allows door to be opened during emergency by pulling sharply on door handle.
 - 2. Identification: Lettering complying with authorities having jurisdiction for letter style, size, spacing, and location. Locate as directed by Architect.

- a. Identify fire extinguisher in fire-protection cabinet with the words "FIRE EXTINGUISHER."

- 1) Location: Applied to cabinet door.
- 2) Application Process: Decals.
- 3) Lettering Color: Red.
- 4) Orientation: Vertical.

J. Materials:

- 1. Aluminum: ASTM B221 for extruded shapes and aluminum sheet, with strength and durability characteristics of not less than Alloy 6063-T5 for aluminum sheet.

- a. Finish: Clear anodic.

2.3 FABRICATION

- A. Fire-Protection Cabinets: Provide manufacturer's standard box (tub) with trim, frame, door, and hardware to suit cabinet type, trim style, and door style indicated.
 - 1. Weld joints and grind smooth.
 - 2. Provide factory-drilled mounting holes.
- B. Cabinet Doors: Fabricate doors according to manufacturer's standards, from materials indicated and coordinated with cabinet types and trim styles.
 - 1. Fabricate door frames with tubular stiles and rails and hollow-metal design, minimum 1/2 inch thick.
 - 2. Fabricate door frames of one-piece construction with edges flanged.
 - 3. Miter and weld perimeter door frames and grind smooth.
- C. Cabinet Trim: Fabricate cabinet trim in one piece with corners mitered, welded, and ground smooth.

2.4 GENERAL FINISH REQUIREMENTS

- A. Comply with NAAMM's AMP 500, "Metal Finishes Manual for Architectural and Metal Products," for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces of fire-protection cabinets from damage by applying a strippable, temporary protective covering before shipping.
- C. Finish fire-protection cabinets after assembly.
- D. Appearance of Finished Work: Noticeable variations in same piece are unacceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Prepare recesses for semirecessed fire-protection cabinets as required by type and size of cabinet and trim style.

3.2 INSTALLATION

- A. General: Install fire-protection cabinets in locations and at mounting heights indicated or, if not indicated, at heights acceptable to authorities having jurisdiction.
- B. Fire-Protection Cabinets: Fasten cabinets to structure, square and plumb.
 - 1. Unless otherwise indicated, provide recessed fire-protection cabinets. If wall thickness is inadequate for recessed cabinets, provide semirecessed fire-protection cabinets.
 - 2. Provide inside latch and lock for break-glass panels.
 - 3. Fasten mounting brackets to inside surface of fire-protection cabinets, square and plumb.
 - 4. Fire-Rated Cabinets:
 - a. Install cabinet with not more than 1/16-inch tolerance between pipe OD and knockout OD. Center pipe within knockout.
 - b. Seal through penetrations with firestopping sealant as specified in Section 078413 "Penetration Firestopping."
- C. Identification:
 - 1. Apply decals at locations indicated.

3.3 ADJUSTING AND CLEANING

- A. Remove temporary protective coverings and strippable films, if any, as fire-protection cabinets are installed unless otherwise indicated in manufacturer's written installation instructions.
- B. Adjust fire-protection cabinet doors to operate easily without binding. Verify that integral locking devices operate properly.
- C. On completion of fire-protection cabinet installation, clean interior and exterior surfaces as recommended by manufacturer.
- D. Touch up marred finishes, or replace fire-protection cabinets that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by fire-protection cabinet and mounting bracket manufacturers.
- E. Replace fire-protection cabinets that have been damaged or have deteriorated beyond

successful repair by finish touchup or similar minor repair procedures.

END OF SECTION 104413

SECTION 104416 - FIRE EXTINGUISHERS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes portable, hand-carried fire extinguishers and mounting brackets for fire extinguishers.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include rating and classification, material descriptions, dimensions of individual components and profiles, and finishes for fire extinguisher and mounting brackets.
- B. Product Schedule: For fire extinguishers. Coordinate final fire-extinguisher schedule with fire-protection cabinet schedule to ensure proper fit and function. Use same designations indicated on Drawings.

1.3 INFORMATIONAL SUBMITTALS

- A. Warranty: Sample of special warranty.

1.4 COORDINATION

- A. Coordinate type and capacity of fire extinguishers with fire-protection cabinets to ensure fit and function.

1.5 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace fire extinguishers that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Failure of hydrostatic test according to NFPA 10 when testing interval required by NFPA 10 is within the warranty period.
 - b. Faulty operation of valves or release levers.
 - 2. Warranty Period: Six years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. NFPA Compliance: Fabricate and label fire extinguishers to comply with NFPA 10, "Portable Fire Extinguishers."
- B. Fire Extinguishers: Listed and labeled for type, rating, and classification by an independent testing agency acceptable to authorities having jurisdiction.
 - 1. Provide fire extinguishers approved, listed, and labeled by FM Global.

2.2 PORTABLE, HAND-CARRIED FIRE EXTINGUISHERS

- A. Fire Extinguishers: Type, size, and capacity for each fire-protection cabinet, and, mounting bracket indicated.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Babcock-Davis
 - b. Croker; a Division of Morris Group International
 - c. Guardian Fire Equipment, Inc
 - d. J. L. Industries, Inc.; Activar Construction Products Group, Inc.
 - e. Larsen's Manufacturing Company
 - f. Nystrom, Inc.
 - g. Potter Roemer LLC; a Division of Morris Group International
 - h. Strike First Corporation of America
 - 2. Source Limitations: Obtain fire extinguishers, fire-protection cabinets, and accessories, from single source from single manufacturer.
 - 3. Valves: Manufacturer's standard.
 - 4. Handles and Levers: Manufacturer's standard.
 - 5. Instruction Labels: Include pictorial marking system complying with NFPA 10, Appendix B, and bar coding for documenting fire-extinguisher location, inspections, maintenance, and recharging.
- B. Multipurpose Dry-Chemical Type in Steel Container: UL-rated 2-A:10-B:C, 5-lb (2.3-kg).
- C. Purple-K Dry-Chemical Type in Aluminum Container: UL-rated 30-B:C, 5-lb (2.3-kg)

2.3 MOUNTING BRACKETS

- A. Mounting Brackets: Manufacturer's standard galvanized steel, designed to secure fire extinguisher to wall or structure, of sizes required for types and capacities of fire extinguishers indicated, with plated or red baked-enamel finish.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Babcock-Davis
 - b. Croker; a Division of Morris Group International
 - c. Guardian Fire Equipment, Inc
 - d. J. L. Industries, Inc.; Activar Construction Products Group, Inc.
 - e. Larsen's Manufacturing Company
 - f. Nystrom, Inc.
 - g. Potter Roemer LLC; a Division of Morris Group International
 - h. Strike First Corporation of America
 2. Source Limitations: Obtain mounting brackets and fire extinguishers from single source from single manufacturer.
- B. Identification: Lettering complying with authorities having jurisdiction for letter style, size, spacing, and location. Locate as indicated by Architect.
1. Identify bracket-mounted fire extinguishers with the words "FIRE EXTINGUISHER" in red letter decals applied to mounting surface.
 - a. Orientation: Vertical.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Install fire extinguishers and mounting brackets in locations indicated and in compliance with requirements of authorities having jurisdiction.
- B. Mounting Brackets: Fasten mounting brackets to surfaces, square and plumb, at locations indicated.
 1. Mounting Height: Top of fire extinguisher to be at 42 inches above finished floor.

END OF SECTION 104416

SECTION 105113 - METAL LOCKERS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Welded, open-front athletic lockers.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of metal locker.
- B. Shop Drawings: For metal lockers.
 - 1. Include plans, elevations, sections, and attachment details.
 - 2. Show locker trim and accessories.
 - 3. Include locker identification system and numbering sequence.
- C. Samples: For each color specified, in manufacturer's standard size.
- D. Samples for Initial Selection: Manufacturer's color charts showing the full range of colors available.
- E. Samples for Verification: For the following products, in manufacturer's standard size:
 - 1. Locker benches.
- F. Product Schedule: For lockers. Use same designations indicated on Drawings.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Sample Warranty: For special warranty.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver metal lockers until spaces to receive them are clean, dry, and ready for their installation.

1.5 FIELD CONDITIONS

- A. Field Measurements: Verify actual dimensions of recessed openings by field measurements before fabrication.

1.6 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of metal lockers that fail in materials or workmanship, excluding finish, within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures.
 - b. Faulty operation of latches and other door hardware.
 - 2. Damage from deliberate destruction and vandalism is excluded.
 - 3. Warranty Period for Welded Metal Lockers: Lifetime from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain metal lockers and accessories from single source from single locker manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. Accessibility Standard: For lockers and locker benches indicated to be accessible, comply with applicable provisions in the ABA standards of the Federal agency having jurisdiction, and, ICC A117.1.

2.3 WELDED, OPEN-FRONT ATHLETIC LOCKERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. ASI Storage Solutions
 - 2. List Industries Inc.
 - 3. Lyon LLC
 - 4. Penco Products, Inc
 - 5. Republic Storage Systems, LLC
- B. Locker Arrangement: Open front, with seat/shelf.

- C. Material: Cold-rolled steel sheet.
- D. Body: Assembled by welding body components together. Fabricate from unperforated steel sheet with thicknesses as follows:
 - 1. Tops and Bottoms: 0.060-inch nominal thickness, with single bend at edges.
 - 2. Backs: 0.048-inch nominal thickness.
 - 3. Shelves: 0.060-inch nominal thickness, with double bend at front and single bend at sides and back.
- E. Unperforated Sides: Fabricated from 0.060-inch nominal-thickness steel sheet.
- F. Frames: Channel formed; fabricated from 0.060-inch nominal-thickness steel sheet or 0.105-inch nominal-thickness steel angles; lapped and factory welded at corners; with top and bottom main frames factory welded into vertical main frames.
- G. Reinforced Bottoms: Structural channels, formed from 0.075-inch nominal-thickness steel sheet; welded to front and rear of side-panel frames.
- H. Seats/Shelves: Full width of metal locker; channel formed; fabricated from 0.075-inch nominal-thickness steel sheet; with stiffeners for reinforcement.
- I. Seats/Footlockers: Enclosure full width of bottom of metal locker; fabricated from cold-rolled steel sheet.
 - 1. Seat/Lid: 0.075-inch nominal-thickness steel sheet; channel formed and reinforced with stiffeners; with manufacturer's standard, steel continuous hinge that is completely concealed and tamper resistant when seat/lid is closed; with padlock hasp.
 - 2. Front Panel: 0.075-inch nominal-thickness steel sheet; channel formed at top edge; with minilouvers for ventilation; recessed for padlock loop.
 - 3. Sides: [Integral part of unperforated] [Unperforated bottom portions of perforated] [0.060-inch nominal-thickness steel sheet inside expanded-metal] sides.
- J. Security Boxes: Nonperforated, consisting of partition extending from upper shelf to top of metal locker, fabricated from 0.060-inch nominal-thickness steel sheet; with channel-formed, 0.060-inch nominal-thickness, steel sheet door frame, and door fabricated from 0.075-inch nominal-thickness steel sheet with right-angle single bend at edges; with manufacturer's standard, steel continuous hinge that is completely concealed and tamper resistant when door is closed; fabricated to swing 180 degrees.
 - 1. Single-Point Latching: Stainless steel strike plate with integral pull; with steel, nonmoving latch hook [designed to engage bolt of lock] [with steel padlock loop that projects through door and is finished to match metal locker body].
 - 2. Locks: [Combination padlocks] [Built-in combination locks] <Insert item>.
- K. Security Compartments: Nonperforated, running full width of metal locker, with door fabricated from 0.075-inch nominal-thickness steel sheet.
 - 1. Locks: Combination padlocks.

- L. Identification Plates: Manufacturer's standard, etched, embossed, or stamped aluminum plates, with numbers and letters at least 3/8 inch high.
- M. Hooks: Manufacturer's standard ball-pointed, aluminum or steel; zinc plated.
- N. Coat Rods: 1-inch- diameter steel, chrome finished.
- O. Filler Panels: Fabricated from 0.048-inch nominal-thickness steel sheet.
- P. Finished End Panels: Fabricated from 0.024-inch nominal-thickness steel sheet to cover unused penetrations and fasteners, except for perimeter fasteners, at exposed ends of nonrecessed metal lockers; finished to match lockers.
- Q. Materials:
 - 1. Cold-Rolled Steel Sheet: ASTM A1008/A1008M, Commercial Steel (CS), Type B, suitable for exposed applications.
- R. Finish: Baked enamel or powder coat.
 - 1. Color: As selected by Architect from manufacturer's full range.

2.4 LOCKS

- A. Combination Padlock: Key-controlled, three-number dialing combination locks; capable of five combination changes.

2.5 FABRICATION

- A. Fabricate metal lockers square, rigid, without warp, and with metal faces flat and free of dents or distortion. Make exposed metal edges safe to touch and free of sharp edges and burrs.
 - 1. Form body panels, doors, shelves, and accessories from one-piece steel sheet unless otherwise indicated.
 - 2. Provide fasteners, filler plates, supports, clips, and closures as required for complete installation.
- B. Fabricate each metal locker with an individual door and frame; individual top, bottom, and back; and common intermediate uprights separating compartments.
- C. Equipment: Provide each locker with an identification plate and the following equipment:
 - 1. Single-Tier Units: Shelf, one double-prong ceiling hook, and two single-prong wall hooks.
 - 2. Double-Tier Units: One double-prong ceiling hook and two single-prong wall hooks.
 - 3. Triple-Tier Units: One double-prong ceiling hook.

4. Coat Rods: As indicated on Drawings.
 5. Open-Front Athletic Lockers: Two single-prong wall hooks bolted to locker back and coat rod.
- D. Welded Construction: Factory preassemble metal lockers by welding all joints, seams, and connections; with no bolts, nuts, screws, or rivets used in assembly of main locker groups. Factory weld main locker groups into one-piece structures. Grind exposed welds smooth and flush.
- E. Accessible Lockers: Fabricate as follows:
1. Locate bottom shelf no lower than 15 inches above the floor.
 2. Where hooks, coat rods, or additional shelves are provided, locate no higher than 48 inches above the floor.
- F. Continuous Zee Base: Fabricated in lengths as long as practical to enclose base and base ends; finished to match lockers.
- G. Finished End Panels: Fabricated to conceal unused penetrations and fasteners, except for perimeter fasteners, at exposed ends of nonrecessed metal lockers; finished to match lockers.
1. Provide one-piece panels for double-row (back-to-back) locker ends.

2.6 ACCESSORIES

- A. Fasteners: Zinc- or nickel-plated steel, slotless-type, exposed bolt heads; with self-locking nuts or lock washers for nuts on moving parts.
- B. Anchors: Material, type, and size required for secure anchorage to each substrate.
1. Provide nonferrous-metal or hot-dip galvanized anchors and inserts on inside face of exterior walls for corrosion resistance.
 2. Provide toothed-steel or lead expansion sleeves for drilled-in-place anchors.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine walls and floors or support bases, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install lockers level, plumb, and true; shim as required, using concealed shims.
 - 1. Anchor locker runs at ends and at intervals recommended by manufacturer, but not more than 36 inches o.c. Using concealed fasteners, install anchors through backup reinforcing plates, channels, or blocking as required to prevent metal distortion.
 - 2. Anchor single rows of metal lockers to walls near top and bottom of lockers.
 - 3. Anchor back-to-back metal lockers to floor.
- B. Knocked-Down Lockers: Assemble with manufacturer's standard fasteners, with no exposed fasteners on door faces or face frames.
- C. Welded Lockers: Connect groups together with manufacturer's standard fasteners, with no exposed fasteners on face frames.
- D. Equipment:
 - 1. Attach hooks with at least two fasteners.
 - 2. Attach door locks on doors using security-type fasteners.
 - 3. Identification Plates: Identify metal lockers with identification indicated on Drawings.
 - a. Attach plates to each locker door, near top, centered, with at least two aluminum rivets.
 - b. Attach plates to upper shelf of each open-front metal locker, centered, with a least two aluminum rivets.
- E. Trim: Fit exposed connections of trim, fillers, and closures accurately together to form tight, hairline joints, with concealed fasteners and splice plates.
 - 1. Attach recess trim to recessed metal lockers with concealed clips.
 - 2. Attach filler panels with concealed fasteners. Locate filler panels where indicated on Drawings.
 - 3. Attach sloping-top units to metal lockers, with closures at exposed ends.
 - 4. Attach boxed end panels using concealed fasteners to conceal exposed ends of nonrecessed metal lockers.
 - 5. Attach finished end panels using fasteners only at perimeter to conceal exposed ends of nonrecessed metal lockers.
- F. Fixed Benches: Provide no fewer than two pedestals for each bench, uniformly spaced not more than 72 inches apart. Securely fasten tops of pedestals to undersides of bench tops, and anchor bases to floor.
- G. Movable Benches: Place benches in locations indicated on Drawings.

3.3 ADJUSTING

- A. Clean, lubricate, and adjust hardware. Adjust doors and latches to operate easily

without binding.

3.4 PROTECTION

- A. Protect metal lockers from damage, abuse, dust, dirt, stain, or paint. Do not permit use during construction.
- B. Touch up marred finishes, or replace metal lockers that cannot be restored to factory-finished appearance. Use only materials and procedures recommended or furnished by locker manufacturer.

END OF SECTION 105113

SECTION 107516 - GROUND-SET FLAGPOLES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes ground-set flagpoles made from stainless steel.
- B. Owner-Furnished Material: Flags.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, operating characteristics, fittings, accessories, and finishes for flagpoles.
- B. Shop Drawings: For each flagpole.
 - 1. Include the following
 - a. Plans, elevations, and attachment details. Show general arrangement, jointing, fittings, accessories, grounding, anchoring, and support.
 - b. Section, and details of foundation system.
- C. Samples for Verification: For each type of exposed finish, in manufacturer's standard sizes.
- D. Delegated Design Submittals: For flagpoles.

1.3 DELIVERY, STORAGE, AND HANDLING

- A. Spiral wrap flagpoles with heavy paper and enclose in a hard fiber tube or other protective container.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain flagpoles as complete units, including fittings, accessories, bases, and anchorage devices, from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design flagpole assemblies.
- B. Structural Performance: Flagpole assemblies, including anchorages and supports, to withstand design loads indicated within limits and under conditions indicated.
 - 1. Wind Loads: Determine according to NAAMM FP 1001. Basic wind speed for Project location is as indicated on the drawings.
 - 2. Base flagpole design on polyester flags of maximum standard size suitable for use with flagpole or flag size indicated, whichever is more stringent.

2.3 STAINLESS STEEL FLAGPOLES

- A. Stainless Steel Flagpoles: Cone-tapered flagpoles fabricated from pipe, tube, or plate complying with ASTM A312/A312M, ASTM A269, or ASTM A666, Type 304.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Acme Lingo Flagpoles
 - b. Baartol Company
 - c. Ewing Flagpole Co., Inc.; Ewing Group Company
 - d. Pole-Tech Co., Inc.
- B. Exposed Height: As indicated on the drawings .
- C. Construct flagpoles in one piece if possible. If more than one piece is necessary, comply with the following:
 - 1. Fabricate shop and field joints without using fasteners, screw collars, or lead calking.
 - 2. Provide flush hairline joints using self-aligning, snug-fitting, internal sleeves.
- D. Metal Foundation Tube: Manufacturer's standard corrugated-steel foundation tube, 0.060-inch wall thickness with 3/16-inch steel bottom plate and support plate; 3/4-inch-diameter, steel ground spike; and steel centering wedges welded together. Galvanize foundation tube after assembly. Furnish loose hardwood wedges at top of foundation tube for plumbing pole.
 - 1. Flashing Collar: Same material and finish as flagpole.

2.4 FITTINGS

- A. Internal Halyard, Winch System: Manually operated winch with control stop device and removable handle, stainless steel cable halyard, and concealed revolving truck assembly with plastic-coated counterweight and sling. Furnish flush access door secured with cylinder lock. Finish truck assembly to match flagpole.

1. Halyard Flag Snaps: Stainless steel swivel snap hooks with neoprene or vinyl covers. Furnish two per halyard.
2. Plastic Halyard Flag Clips for Internal Halyard, Winch System: Made from injection-molded, UV-stabilized, acetal resin (Delrin). Clips attach to flag and have two eyes for inserting both runs of halyards. Furnish two per halyard.
 - a. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated in the Work include, but are not limited to, the following:
 - 1) Acme Lingo Flagpoles

2.5 MISCELLANEOUS MATERIALS

- A. Nonshrink, Nonmetallic Grout: Factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C1107/C1107M.
- B. Drainage Material: Crushed stone, or crushed or uncrushed gravel; coarse aggregate.
- C. Sand: ASTM C33/C33M, fine aggregate.
- D. Elastomeric Joint Sealant: Multicomponent nonsag urethane joint sealant complying with requirements in Section 079200 "Joint Sealants."
- E. Bituminous Paint: Cold-applied asphalt emulsion complying with ASTM D1187/D1187M.

2.6 STAINLESS STEEL FINISHES

- A. Surface Preparation: Remove tool and die marks and stretch lines, or blend into finish.
- B. Polished Finishes: Grind and polish surfaces to produce uniform finish, free of cross scratches.
 1. When polishing is completed, passivate and rinse surfaces. Remove embedded foreign matter and leave surfaces chemically clean.
 2. Directional Satin Finish: No. 4.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Prepare uncoated metal flagpoles that are set in foundation tubes by painting below-grade portions with a heavy coat of bituminous paint.
- B. Foundation Excavation: Excavate to neat clean lines in undisturbed soil. Remove loose soil and foreign matter from excavation and moisten earth before placing

concrete. Place and compact drainage material at excavation bottom.

- C. Provide forms where required due to unstable soil conditions and for perimeter of flagpole base at grade. Secure and brace forms to prevent displacement during concreting.
- D. Foundation Tube: Place foundation tube, center, and brace to prevent displacement during concreting. Place concrete. Plumb and level foundation tube and allow concrete to cure.
- E. Sleeves: Locate and secure sleeves in forms by bracing to reinforcement and forms.
- F. Place concrete, as specified in Section 033000 "Cast-in-Place Concrete." Compact concrete in place by using vibrators. Moist-cure exposed concrete for no fewer than seven days or use nonstaining curing compound.
- G. Trowel exposed concrete surfaces to a smooth, dense finish, free of trowel marks, and uniform in texture and appearance. Provide positive slope for water runoff to perimeter of concrete base.

3.2 FLAGPOLE INSTALLATION

- A. General: Install flagpoles where indicated and according to Shop Drawings and manufacturer's written instructions.
- B. Foundation Tube: Place flagpole in tube, seated on bottom plate between steel centering wedges, and install hardwood wedges to secure flagpole in place. Place and compact sand in foundation tube and remove hardwood wedges. Seal top of foundation tube with a 2-inch layer of elastomeric joint sealant and cover with flashing collar.

END OF SECTION 107516

SECTION 113013 - RESIDENTIAL APPLIANCES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Cooking appliances.
 - 2. Refrigeration appliances.
 - 3. Cleaning appliances.

1.2 ACTION SUBMITTALS

- A. Product Data:
 - 1. Cooking appliances.
 - 2. Refrigeration appliances.
 - 3. Cleaning appliances.
- B. Product Data Submittals: For each product.
 - 1. Include installation details, material descriptions, dimensions of individual components, and finishes for each appliance.
 - 2. Include rated capacities, operating characteristics, electrical characteristics, and furnished accessories.
- C. Samples: For each exposed product and for each color and texture specified, in manufacturer's standard size.
- D. Product Schedule: For appliances. Use same designations indicated on Drawings.

1.3 INFORMATIONAL SUBMITTALS

- A. Product Certificates: For each type of appliance.
- B. Sample Warranties: For manufacturers' special warranties.

1.4 WARRANTY

- A. Special Warranties: Manufacturer agrees to repair or replace residential appliances or components that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: Two years from date of Substantial Completion.

- B. Microwave Oven: Full warranty, including parts and labor, for on-site service on the magnetron tube.
 - 1. Warranty Period: Two years from date of Substantial Completion.
- C. Refrigerator/Freezer, Freezer, and Icemaker, Sealed System: Full warranty, including parts and labor, for on-site service on the product.
 - 1. Warranty Period for Sealed Refrigeration System: Two years from date of Substantial Completion.
 - 2. Warranty Period for Other Components: Two years from date of Substantial Completion.
- D. Clothes Washer: Full warranty, including parts and labor, for on-site service on the product.
 - 1. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain residential appliances from single source.

2.2 PERFORMANCE REQUIREMENTS

- A. Electrical Appliances: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- B. Gas-Fueled Appliances: Certified by a qualified testing agency for each type of gas-fueled appliance according to ANSI Z21 Series standards.
- C. Accessibility: Where residential appliances are indicated to comply with accessibility requirements, comply with applicable provisions in the ABA standards of the Federal agency having jurisdiction.

2.3 COOKING APPLIANCES

- A. Microwave Oven:
 - 1. Mounting: Refer to drawings.

2.4 REFRIGERATION APPLIANCES

- A. Refrigerator/Freezer: One-door refrigerator with freezer compartment inside and complying with AHAM HRF-1.

1. Type: Undercounter.

2.5 CLEANING APPLIANCES

A. Clothes Washer: Complying with AHAM HLW-1.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
2. Features:
 - a. Pedestal: For ADA, refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections; laundry pedestal with storage drawer, matching appliance finish.

B. Clothes Dryer: Complying with AHAM HLD-1.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
2. Type: Freestanding, Stacking, frontloading, gas unit.
3. Features:
 - a. Pedestal: For ADA, Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections;. laundry pedestal with storage drawer, matching appliance finish.

2.6 GENERAL FINISH REQUIREMENTS

- A. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install appliances according to manufacturer's written instructions.

- B. Built-in Equipment: Securely anchor units to supporting cabinets or countertops with concealed fasteners. Verify that clearances are adequate for proper functioning and that rough openings are completely concealed.
- C. Freestanding Equipment: Place units in final locations after finishes have been completed in each area. Verify that clearances are adequate to properly operate equipment.

END OF SECTION 113013

SECTION 122200 - CURTAINS AND DRAPES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Drapes.
 - 2. Drapery tracks.

1.2 ACTION SUBMITTALS

- A. Product Data: For the following:
 - 1. Drapery Tracks: Include maximum weights of drapes that can be supported.
 - a. Motorized Tracks: Indicate motor weights, motor-mounting requirements, and electrical requirements.
 - 2. Fabrics.
 - 3. Textile treatments.
- B. Shop Drawings:
 - 1. Drapery Tracks: Show installation and anchorage details and locations of controls.
 - a. Motorized Tracks: Indicate dimensions, weights, and required clearances for track and motor and differentiate between manufacturer-installed and field-installed wiring.
 - 2. Drapes: Show sizes, locations, and details of installation.
- C. Samples: As follows:
 - 1. Drapery Tracks: 18 inches long, with carriers, controls, and accessories.
 - 2. Drapery Fabrics: For each color and pattern indicated, full width by 36 inches long, from dye lot to be used for the Work and with specified textile treatments applied. Show complete pattern repeat if any. Mark top and face of fabric.
 - 3. Textile Trims: For each color and pattern indicated, 18 inches long.
 - 4. Drape Fabrication: For each heading, fabric, color, and pattern indicated, a complete full-size panel to verify details of fabrication and thread colors.
- D. Samples for Initial Selection: For each type of product indicated.
- E. Product Schedule: For drapes, and, drapery tracks. Use same designations indicated

on Drawings.

1.3 INFORMATIONAL SUBMITTALS

- A. Product Certificates: For each drapery fabric treated with flame retardant, signed by fabric supplier and indicating treatment durability and cleaning procedures required to maintain treatment effectiveness.

1.4 FIELD CONDITIONS

- A. Field Measurements: Verify dimensions by field measurements before drape fabrication, and indicate measurements on Shop Drawings.
- B. Scheduling: Do not deliver or install drapes until after other finish work, including painting, is complete and spaces are otherwise ready for occupancy.

PART 2 - PRODUCTS

2.1 DRAPERY TRACKS

- A. Manually Operated Track:
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Forest Drapery Hardware
 - b. Kirsch
 - c. Silent Gliss Inc.; Silent Gliss International Ltd.
 - d. Springs Window Fashions; SWFcontract
 - 2. Construction: Extruded aluminum, slotted for mounting at interval of not more than 24 inches o.c.
 - a. Lengths and Configurations: As indicated on Drawings.
 - b. Support Capability: Weight of drape indicated mounted on track length indicated.
 - c. Finish: Manufacturer's standard.
 - 3. Mounting Brackets: Aluminum, of type suitable for fastening track to surface indicated and designed to support weight of track assembly and drape plus force applied to operate track.
 - a. Mounting Surface: Wall.
 - b. Size: Adjustable.
 - 4. Installation Fasteners: Sized to support track assembly and drape, and fabricated from metal compatible with track, brackets, and supporting construction. Provide

- two fasteners to fasten each bracket to supporting construction.
- 5. Operation: Cord tension pulley complying with WCMA A 100.1.
 - a. Pulley Mounting Location: Wall.
 - b. Draw: One way, stack as indicated on Drawings.
 - c. Operating Hardware Location: On stack side.
- 6. Carriers: Rollers with hooks.
 - a. Master Carriers: Overlap.
- 7. Pulleys: Heavy duty.

2.2 DRAPES

- A. Basis-of-Design Product: Subject to compliance with requirements, provide products as indicated on the drawings or comparable product by one of the following:
 - 1. Barjan Manufacturing Ltd.
 - 2. Contract Shading Systems
 - 3. County Draperies, Inc.
 - 4. Creative Draperies Inc
 - 5. DFB Sales, Inc.
 - 6. Fabricut, Inc.
 - 7. Fabtex
 - 8. Quiltcraft Industries, Inc.
 - 9. Standard Textile Co., Inc.
 - 10. Wesco Fabrics; RM COCO Decor Ltd.
- B. Source Limitations: Obtain each color and pattern of drapery fabric and trim from one dye lot.
- C. Fire-Test-Response Characteristics: For fabrics treated with fire retardants, provide products that pass NFPA 701 as determined by testing of fabrics that were treated using treatment-application method intended for use for this Project by a testing and inspecting agency acceptable to authorities having jurisdiction.

2.3 DRAPE FABRICATION

- A. Fabricate drapes in heading styles and fullnesses indicated. Fabricate headings to stand erect. If less than a full width of fabric is required to produce panel of specified fullness, use equal widths of not less than one-half width of fabric located at ends of panel.
 - 1. One-Way-Stacking Drapes: Add 5 inches to overall width for returns.
 - 2. Center-Opening Drapes: Add 10 inches to overall width for overlap.
- B. Seams: Sew vertical seams with twin-needle sewing machine with selvage trimmed and overlocked. Join widths so that patterns match and vertical seams lay flat and

straight without puckering. Horizontal seams are unacceptable.

- C. Side Hems: Double-turned, 1-1/2-inch- wide hems consisting of three layers of fabric, and blindstitched so that stitches are invisible on face of drape.
- D. Bottom Hems: Double-turned, 4-inch- wide hems consisting of three layers of fabric, and weighted and blindstitched so that weights and stitches are invisible on face of drape.
 - 1. Sew in square lead weights at each seam and at panel corners.
- E. Interlinings: Extend from top of drape to within 1/2 inch of lining's bottom hem and to leading edge of side hems to produce full-shadowed appearance.

PART 3 - EXECUTION

3.1 DRAPERY TRACK INSTALLATION

- A. Install track systems according to manufacturer's written instructions, level and plumb, and at height and location in relation to adjoining openings as indicated on Drawings.
- B. Isolate metal parts of tracks and brackets from concrete, masonry, and mortar to prevent galvanic action. Use tape or another method recommended in writing by track manufacturer.

3.2 DRAPE INSTALLATION

- A. Where drapes abut overhead construction, hang drapes so that clearance between headings and overhead construction is 1/4 inch.
- B. Where drapes extend to floor, install so that bottom hems clear finished floor by not more than 1 inch and not less than 1/2 inch.
- C. Where drapes extend to windowsill, install so that bottom hems hang above sill line and clear sill line by not more than 1/2 inch.

3.3 ADJUSTING

- A. After hanging drapes, test and adjust each drapery track to produce unencumbered, smooth operation.
- B. Steam and dress down drapes as required to produce crease- and wrinkle-free installation.
- C. Remove and replace drapes that are stained or soiled.

END OF SECTION 122200

SECTION 122413 - ROLLER WINDOW SHADES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Motor-operated, double-roller shades.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, features, finishes, and operating instructions for roller shades.
- B. Shop Drawings: Show fabrication and installation details for roller shades, including shadeband materials, their orientation to rollers, and their seam and batten locations.
 - 1. Motor-Operated Shades: Include details of installation and diagrams for power, signal, and control wiring.
- C. Samples: For each exposed product and for each color and texture specified, 10 inches long.
- D. Product Schedule: For roller shades. Use same designations indicated on Drawings.

1.3 INFORMATIONAL SUBMITTALS

- A. Product Certificates: For each type of shadeband material.
- B. Product Test Reports: For each type of shadeband material, for tests performed by manufacturer and witnessed by a qualified testing agency.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver roller shades in factory packages, marked with manufacturer, product name, and location of installation using same designations indicated on Drawings.

1.5 FIELD CONDITIONS

- A. Environmental Limitations: Do not install roller shades until construction and finish

work in spaces, including painting, is complete and dry and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

- B. Field Measurements: Where roller shades are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Allow clearances for operating hardware of operable glazed units through entire operating range. Notify Architect of installation conditions that vary from Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

- A. Obtain roller shades from single source from single manufacturer.

2.2 MOTOR-OPERATED, DOUBLE-ROLLER SHADES

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Draper, Inc.
 - 2. Hunter Douglas, Inc.
 - 3. Lutron Electronics Co., Inc
 - 4. MechoShade Systems, LLC
 - 5. Somfy Systems Inc.
 - 6. Springs Window Fashions; SWFcontract
- B. Motorized Operating Systems: Provide factory-assembled, shade-operator systems of size and capacity and with features, characteristics, and accessories suitable for conditions indicated, complete with electric motor and factory-prewired motor controls, power disconnect switch, enclosures protecting controls and operating parts, and accessories required for reliable operation without malfunction. Include wiring from motor controls to motors. Coordinate operator wiring requirements and electrical characteristics with building electrical system.
 - 1. Electrical Components: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
 - 2. Electric Motor: Manufacturer's standard tubular, enclosed in rollers.
 - 3. Remote Control: Electric controls with NEMA ICS 6, Type 1 enclosure for recessed or flush mounting. Provide the following for remote-control activation of shades:
 - a. Individual Switch Control Station: Momentary-contact, wall-switch-operated control station with open, close, and center off functions.
 - 1) Switch Positions: Three.

- 2) Switch Style: Rocker.
 - b. Color: As selected by Architect from manufacturer's full range.
4. Crank-Operator Override: Crank and gearbox operate shades in event of power outage or motor failure.
5. Limit Switches: Adjustable switches, interlocked with motor controls and set to stop shade movement automatically at fully raised and fully lowered positions.
- C. Rollers: Corrosion-resistant steel or extruded-aluminum tubes of diameters and wall thicknesses required to accommodate operating mechanisms and weights and widths of shadebands indicated without deflection. Provide with permanently lubricated drive-end assemblies and idle-end assemblies designed to facilitate removal of shades for service.
 1. Double-Roller Mounting Configuration: Offset, outside shade over and inside shade under.
 2. Inside Roller:
 - a. Drive-End Location: Right side of interior face of shade.
 - b. Direction of Shadeband Roll: Regular, from back (exterior face) of roller.
 3. Outside Roller:
 - a. Drive-End Location: Right side of interior face of shade.
 - b. Direction of Shadeband Roll: Regular, from back (exterior face) of roller.
 4. Shadeband-to-Roller Attachment: Manufacturer's standard method.
- D. Mounting Hardware: Brackets or endcaps, corrosion resistant and compatible with roller mounting configuration, roller assemblies, operating mechanisms, installation accessories, and installation locations and conditions indicated.
- E. Roller-Coupling Assemblies: Coordinated with operating mechanism and designed to join up to three inline rollers into a multiband shade that is operated by one roller drive-end assembly.
- F. Inside Shadebands:
 1. Shadeband Material: Light-filtering fabric.
 2. Shadeband Bottom (Hem) Bar: Steel or extruded aluminum.
 - a. Type: Enclosed in sealed pocket of shadeband material.
 - b. Color and Finish: As selected by Architect from manufacturer's full range.
- G. Outside Shadebands:
 1. Shadeband Material: Light-blocking fabric.
 2. Shadeband Bottom (Hem) Bar: Steel or extruded aluminum.
 - a. Type: Enclosed in sealed pocket of shadeband material.

- b. Color and Finish: As selected by Architect from manufacturer's full range.

H. Installation Accessories:

1. Front Fascia: Aluminum extrusion that conceals front and underside of roller and operating mechanism and attaches to roller endcaps without exposed fasteners.
 - a. Shape: L-shaped.
 - b. Height: Manufacturer's standard height required to conceal roller and shadeband assembly when shade is fully open, but not less than 4 inches.
2. Side Channels: With light seals and designed to eliminate light gaps at sides of shades as shades are drawn down. Provide side channels with shadeband guides or other means of aligning shadebands with channels at tops.
3. Bottom (Sill) Channel or Angle: With light seals and designed to eliminate light gaps at bottoms of shades when shades are closed.
4. Installation Accessories Color and Finish: As selected from manufacturer's full range.

2.3 SHADEBAND MATERIALS

- A. Shadeband Material Flame-Resistance Rating: Comply with NFPA 701. Testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
- B. Light-Filtering Fabric: Woven fabric, stain and fade resistant.
 1. Source: Roller shade manufacturer.
 2. Type: [PVC-coated fiberglass] [PVC-coated polyester] [Woven PVC-coated fiberglass and PVC-coated polyester] [Woven polyester and PVC-coated polyester] [Acrylic-coated fiberglass] [PVC-coated fiberglass with silver backing] <Insert description>.
 3. Weave: [Mesh] [Basketweave] <Insert description>.
 4. Thickness: <Insert thickness>.
 5. Weight: <Insert oz./sq. yd.>.
 6. Roll Width: [36 inches] [48 inches] [60 inches] [72 inches] [84 inches] <Insert dimension>.
 7. Orientation on Shadeband: [Up the bolt] [Railroaded] [As indicated on Drawings] <Insert requirements>.
 8. Openness Factor: [1] [3] [5] [10] [11] [22] <Insert number> percent.
 9. Color: [As indicated on Drawings] [Match Architect's sample] [As selected by Architect from manufacturer's full range] <Insert color>.
- C. Light-Blocking Fabric: Opaque fabric, stain and fade resistant.
 1. Source: Roller shade manufacturer.
 2. Type: [Fiberglass textile with PVC film bonded to both sides] [Fiberglass with acrylic backing] [Acrylic-coated fiberglass] [Polyester-cotton blend] [Polyester with foamed-acrylic backing] [PVC-coated fiberglass with bonded PVC film] <Insert description>.

3. Thickness: <Insert thickness>.
4. Weight: <Insert oz./sq. yd.>.
5. Roll Width: [36 inches] [48 inches] [60 inches] [72 inches] [84 inches] <Insert dimension>.
6. Orientation on Shadeband: [Up the bolt] [Railroaded] [As indicated on Drawings] <Insert requirements>.
7. Features: [Washable] [Antistatic treatment] <Insert requirements>.
8. Color: [As indicated on Drawings] [Match Architect's sample] [As selected by Architect from manufacturer's full range] <Insert color>.

2.4 ROLLER SHADE FABRICATION

- A. Product Safety Standard: Fabricate roller shades to comply with WCMA A 100.1, including requirements for flexible, chain-loop devices; lead content of components; and warning labels.
- B. Unit Sizes: Fabricate units in sizes to fill window and other openings as follows, measured at 74 deg F:
 1. Between (Inside) Jamb Installation: Width equal to jamb-to-jamb dimension of opening in which shade is installed less 1/4 inch per side or 1/2-inch total, plus or minus 1/8 inch. Length equal to head-to-sill or -floor dimension of opening in which shade is installed less 1/4 inch, plus or minus 1/8 inch.
- C. Shadeband Fabrication: Fabricate shadebands without battens or seams to extent possible, except as follows:
 1. Vertical Shades: Where width-to-length ratio of shadeband is equal to or greater than 1:4, provide battens and seams at uniform spacings along shadeband length to ensure shadeband tracking and alignment through its full range of movement without distortion of the material.
 2. Railroaded Materials: Railroad material where material roll width is less than the required width of shadeband and where indicated. Provide battens and seams as required by railroaded material to produce shadebands with full roll-width panel(s) plus, if required, one partial roll-width panel located at top of shadeband.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, operational clearances, and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 ROLLER SHADE INSTALLATION

- A. Install roller shades level, plumb, and aligned with adjacent units according to manufacturer's written instructions.
 - 1. Opaque Shadebands: Located so shadeband is not closer than 2 inches to interior face of glass. Allow clearances for window operation hardware.
- B. Electrical Connections: Connect motor-operated roller shades to building electrical system.
- C. Roller Shade Locations: As indicated on Drawings.

3.3 ADJUSTING

- A. Adjust and balance roller shades to operate smoothly, easily, safely, and free from binding or malfunction throughout entire operational range.

3.4 CLEANING AND PROTECTION

- A. Clean roller shade surfaces, after installation, according to manufacturer's written instructions.
- B. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer, that ensure that roller shades are without damage or deterioration at time of Substantial Completion.
- C. Replace damaged roller shades that cannot be repaired, in a manner approved by Architect, before time of Substantial Completion.

END OF SECTION 122413

SECTION 123623.13 - PLASTIC-LAMINATE-CLAD COUNTERTOPS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Plastic-laminate-clad countertops.

1.2 ACTION SUBMITTALS

- A. Product Data:
 - 1. Plastic-laminate-clad countertops.
- B. Product Data Submittals: For each product.
 - 1. Include data for fire-retardant treatment from chemical-treatment manufacturer and certification by treating plant that treated materials comply with requirements.
- C. Shop Drawings: For plastic-laminate-clad countertops.
 - 1. Include plans, sections, details, and attachments to other work. Detail fabrication and installation, including field joints.
 - 2. Show locations and sizes of cutouts and holes for items installed in plastic-laminate-clad countertops.
 - 3. Apply AWI Quality Certification Program label to Shop Drawings.
- D. Samples: Plastic laminates in each type, color, pattern, and surface finish required in manufacturer's standard size.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer, and fabricator.
- B. Product Certificates: For the following:
 - 1. Composite wood products.
 - 2. High-pressure decorative laminate.
 - 3. Adhesives.
- C. Quality Standard Compliance Certificates: AWI Quality Certification Program.
- D. Evaluation Reports: For fire-retardant-treated materials, from ICC-ES.

1.4 QUALITY ASSURANCE

- A. Fabricator Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.
 - 1. Shop Certification: AWI's Quality Certification Program accredited participant.
- B. Installer Qualifications: Fabricator of products, or AWI's Quality Certification Program accredited participant.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver countertops only after casework and supports on which they will be installed have been completed in installation areas.
- B. Store countertops in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.
- C. Keep surfaces of countertops covered with protective covering during handling and installation.

1.6 FIELD CONDITIONS

- A. Environmental Limitations without Humidity Control: Do not deliver or install countertops until building is enclosed, wet-work is complete, and HVAC system is operating and maintaining temperature and relative humidity at levels planned for building occupants during the remainder of the construction period.
- B. Environmental Limitations with Humidity Control: Do not deliver or install countertops until building is enclosed, wet-work is complete, and HVAC system is operating and maintaining temperature between 60 and 90 deg F and relative humidity between 25 and 55 percent during the remainder of the construction period.
- C. Field Measurements: Where countertops are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
- D. Established Dimensions: Where countertops are indicated to fit to other construction, establish dimensions for areas where countertops are to fit. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

PART 2 - PRODUCTS

2.1 PLASTIC-LAMINATE-CLAD COUNTERTOPS

- A. Quality Standard: Unless otherwise indicated, comply with the "Architectural Woodwork Standards" for grades of plastic-laminate-clad countertops indicated for construction, finishes, installation, and other requirements.
 - 1. Provide inspections of fabrication and installation together with labels and certificates from AWI certification program indicating that countertops comply with requirements of grades specified.
- B. Grade: Premium.
- C. High-Pressure Decorative Laminate: ISO 4586-3, Grade HGS.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- D. Edge Treatment: Same as laminate cladding on horizontal surfaces.
- E. Core Material: Particleboard or MDF.
- F. Core Material at Sinks: MDF made with exterior glue, or, exterior-grade plywood.
- G. Core Thickness: 3/4 inch.
 - 1. Build up countertop thickness to 1-1/2 inches at front, back, and ends with additional layers of core material laminated to top.
- H. Paper Backing: Provide paper backing on underside of countertop substrate.

2.2 WOOD MATERIALS

- A. Wood Products: Provide materials that comply with requirements of referenced quality standard unless otherwise indicated.
 - 1. Wood Moisture Content: 5 to 10 percent.
- B. Composite Wood Products: Provide materials that comply with requirements of referenced quality standard for each type of countertop and quality grade specified unless otherwise indicated.
 - 1. MDF: Medium-density fiberboard, ANSI A208.2, Grade 130.
 - 2. Particleboard: ANSI A208.1, Grade M-2.
 - 3. Softwood Plywood: DOC PS 1.

2.3 MISCELLANEOUS MATERIALS

- A. Adhesive for Bonding Plastic Laminate: Type I, waterproof type as selected by fabricator to comply with requirements.

2.4 FABRICATION

- A. Fabricate countertops to dimensions, profiles, and details indicated. Provide front and end overhang of 1 inch over base cabinets. Ease edges to radius indicated for the following:
 - 1. Solid-Wood (Lumber) Members: 1/16 inch unless otherwise indicated.
- B. Complete fabrication, including assembly, to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
- C. Shop cut openings to maximum extent possible to receive appliances, plumbing fixtures, electrical work, and similar items. Locate openings accurately, and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.
 - 1. Seal edges of cutouts by saturating with varnish.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Before installation, condition countertops to average prevailing humidity conditions in installation areas.
- B. Before installing countertops, examine shop-fabricated work for completion and complete work as required, including removal of packing.

3.2 INSTALLATION

- A. Grade: Install countertops to comply with same grade as item to be installed.
- B. Assemble countertops and complete fabrication at Project site to the extent that it was not completed in the shop.
 - 1. Provide cutouts for appliances, plumbing fixtures, electrical work, and similar items. Locate openings accurately, and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.
 - 2. Seal edges of cutouts by saturating with varnish.

- C. Field Jointing: Where possible, make in the same manner as shop jointing, using dowels, splines, adhesives, and fasteners recommended by manufacturer. Prepare edges to be joined in shop so Project-site processing of top and edge surfaces is not required. Locate field joints where shown on Shop Drawings.
 - 1. Secure field joints in countertops with concealed clamping devices located within 6 inches of front and back edges and at intervals not exceeding 24 inches. Tighten in accordance with manufacturer's written instructions to exert a constant, heavy-clamping pressure at joints.
- D. Scribe and cut countertops to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
- E. Fire-Retardant-Treated Wood: Handle, store, and install fire-retardant-treated wood to comply with chemical-treatment manufacturer's written instructions, including those for adhesives used to install woodwork.
- F. Countertop Installation: Anchor securely by screwing through corner blocks of base cabinets or other supports into underside of countertop.
 - 1. Install countertops level and true in line. Use concealed shims as required to maintain not more than a 1/8-inch-in-96-inches variation from a straight, level plane.
 - 2. Secure backsplashes to tops with concealed metal brackets at 16 inches o.c., and, to walls with adhesive.
 - 3. Seal joints between countertop and backsplash, if any, and joints where countertop and backsplash abut walls with mildew-resistant silicone sealant or another permanently elastic sealing compound recommended by countertop material manufacturer.

3.3 ADJUSTING AND CLEANING

- A. Repair damaged and defective countertops, where possible, to eliminate functional and visual defects. Where not possible to repair, replace countertops. Adjust joinery for uniform appearance.
- B. Clean countertops on exposed and semiexposed surfaces.
- C. Protection: Provide Kraft paper or other suitable covering over countertop surfaces, taped to underside of countertop at a minimum of 48 inches o.c. Remove protection at Substantial Completion.

END OF SECTION 123623.13

SECTION 123661.19 - QUARTZ AGGLOMERATE COUNTERTOPS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Quartz agglomerate countertops.
 - 2. Quartz agglomerate backsplashes.
 - 3. Quartz agglomerate end splashes.
 - 4. Quartz agglomerate apron fronts.

1.2 ACTION SUBMITTALS

- A. Product Data: For countertop materials.
- B. Shop Drawings: For countertops. Show materials, finishes, edge and backsplash profiles, methods of joining, and cutouts for plumbing fixtures.
 - 1. Show locations and details of joints.
 - 2. Show direction of directional pattern, if any.
- C. Samples for Verification: For the following products:
 - 1. Countertop material, 6 inches square.
 - 2. Wood trim, 8 inches long.
 - 3. One full-size quartz agglomerate countertop, with front edge and backsplash, 8 by 10 inches, of construction and in configuration specified.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For fabricator.

1.4 QUALITY ASSURANCE

- A. Fabricator Qualifications: Shop that employs skilled workers who custom-fabricate countertops similar to that required for this Project, and whose products have a record of successful in-service performance.
- B. Installer Qualifications: Fabricator of countertops.

1.5 FIELD CONDITIONS

- A. Field Measurements: Verify dimensions of countertops by field measurements after base cabinets are installed but before countertop fabrication is complete.

1.6 COORDINATION

- A. Coordinate locations of utilities that will penetrate countertops or backsplashes.

PART 2 - PRODUCTS

2.1 QUARTZ AGGLOMERATE COUNTERTOP MATERIALS

- A. Quartz Agglomerate: Solid sheets consisting of quartz aggregates bound together with a matrix of polymers, resins, and pigment and complying with ISFA 3-01.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - a. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.

2.2 FABRICATION

- A. Fabricate countertops according to quartz agglomerate manufacturer's written instructions and the AWI/AWMAC/WI's "Architectural Woodwork Standards."
 - 1. Grade: Custom.
- B. Configuration:
 - 1. Front: Straight, slightly eased at top.
 - 2. Backsplash: Straight, slightly eased at corner.
 - 3. End Splash: Matching backsplash.
- C. Countertops: 3/4-inch- thick, quartz agglomerate with front edge built up with same material.
- D. Backsplashes: 1/2-inch- thick, quartz agglomerate.
- E. Fabricate tops with shop-applied edges unless otherwise indicated. Comply with quartz agglomerate manufacturer's written instructions for adhesives, sealers, fabrication, and finishing.
 - 1. Fabricate with loose backsplashes for field assembly.
- F. Joints:

1. Fabricate countertops without joints.
2. Fabricate countertops in sections for joining in field.
 - a. Joint Locations: Not within 18 inches of a sink or cooktop and not where a countertop section less than 36 inches long would result, unless unavoidable.
 - b. Joint Type, Bonded: 1/32 inch or less in width.
 - c. Joint Type, Sealant Filled: 1/16 inch in width.
 - d. Splined Joints: Accurately cut kerfs in edges at joints for insertion of metal splines to maintain alignment of surfaces at joints where indicated. Make width of cuts slightly more than thickness of splines to provide snug fit. Provide at least three splines in each joint.

G. Cutouts and Holes:

1. Undercounter Plumbing Fixtures: Make cutouts for fixtures in shop using template or pattern furnished by fixture manufacturer. Form cutouts to smooth, even curves.
 - a. Provide vertical edges, slightly eased at juncture of cutout edges with top and bottom surfaces of countertop and projecting 3/16 inch into fixture opening.
 - b. Provide vertical edges, rounded to 3/8-inch radius at juncture of cutout edges with top surface of countertop, slightly eased at bottom, and projecting 3/16 inch into fixture opening.
 - c. Provide 3/4-inch full bullnose edges projecting 3/8 inch into fixture opening.
2. Counter-Mounted Plumbing Fixtures: Prepare countertops in shop for field cutting openings for counter-mounted fixtures. Mark tops for cutouts and drill holes at corners of cutout locations. Make corner holes of largest radius practical.
3. Fittings: Drill countertops in shop for plumbing fittings, undercounter soap dispensers, and similar items.
4. Counter-Mounted Cooktops: Prepare countertops in shop for field cutting openings for cooktops. Mark tops for cutouts and drill holes at corners of cutout locations. Make corner holes of largest radius practical.

2.3 INSTALLATION MATERIALS

- A. Adhesive: Product recommended by quartz agglomerate manufacturer.
- B. Sealant for Countertops: Comply with applicable requirements in Section 079200 "Joint Sealants."

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates to receive quartz agglomerate countertops and conditions under

which countertops will be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of countertops.

- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install countertops level to a tolerance of 1/8 inch in 8 feet, 1/4 inch maximum. Do not exceed 1/64-inch difference between planes of adjacent units.
- B. Fasten countertops by screwing through corner blocks of base units into underside of countertop. Predrill holes for screws as recommended by manufacturer. Align adjacent surfaces and, using adhesive in color to match countertop, form seams to comply with quartz agglomerate manufacturer's written instructions. Carefully dress joints smooth, remove surface scratches, and clean entire surface.
- C. Bond joints with adhesive and draw tight as countertops are set. Mask areas of countertops adjacent to joints to prevent adhesive smears.
 - 1. Install metal splines in kerfs in countertop edges at joints. Fill kerfs with adhesive before inserting splines and remove excess immediately after adjoining units are drawn into position.
 - 2. Clamp units to temporary bracing, supports, or each other to ensure that countertops are properly aligned and joints are of specified width.
- D. Install backsplashes and end splashes by adhering to wall and countertops with adhesive. Mask areas of countertops and splashes adjacent to joints to prevent adhesive smears.
- E. Install aprons to backing and countertops with adhesive. Mask areas of countertops and splashes adjacent to joints to prevent adhesive smears. Fasten by screwing through backing. Predrill holes for screws as recommended by manufacturer.
- F. Complete cutouts not finished in shop. Mask areas of countertops adjacent to cutouts to prevent damage while cutting. Make cutouts to accurately fit items to be installed, and at right angles to finished surfaces unless beveling is required for clearance. Ease edges slightly to prevent snipping.
 - 1. Seal edges of cutouts in particleboard subtops by saturating with varnish.
- G. Apply sealant to gaps at walls; comply with Section 079200 "Joint Sealants."

END OF SECTION 123661.19

SECTION 124813 - ENTRANCE FLOOR MATS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Resilient entrance mats.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for floor mats and frames.
- B. Samples: For the following products, in manufacturer's standard sizes:
 - 1. Floor Mat: Assembled sections of floor mat.

PART 2 - PRODUCTS

2.1 RESILIENT ENTRANCE MATS

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - 1. Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections.
- B. Carpet-Type Mats: Polypropylene carpet bonded to 1/8- to 1/4-inch- thick, flexible vinyl backing to form mats 3/8 or 7/16 inch thick with nonraveling edges.
 - 1. Colors, Textures, and Patterns: Refer to Appendix – Staybridge Suites Brand Design specifications for products and color selections. .
 - 2. Mat Size: As indicated.

2.2 FABRICATION

- A. Floor Mats: Shop fabricate units to greatest extent possible in sizes indicated. Unless otherwise indicated, provide single unit for each mat installation; do not exceed manufacturer's recommended maximum sizes for units that are removed for maintenance and cleaning. Where joints in mats are necessary, space symmetrically

and away from normal traffic lanes. Miter corner joints in framing elements with hairline joints or provide prefabricated corner units without joints.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install surface-type units to comply with manufacturer's written instructions; coordinate with entrance locations and traffic patterns.

END OF SECTION 124813

SECTION 149133 - LAUNDRY AND LINEN CHUTES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Laundry and linen chutes.
 - 2. Laundry and linen chute doors.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for chutes.
- B. Shop Drawings:
 - 1. Include plans, elevations, sections, and mounting and attachment details.
 - 2. Include dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
 - 3. Include each type and location of intake, discharge, and access door.
 - 4. Include diagrams for power, signal and control wiring.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For fire-rated door inspector.
 - 1. Fire-Rated Door Inspector: Submit documentation of compliance with NFPA 80, section 5.2.3.1.
 - 2. Submit copy of DHI Fire and Egress Door Assembly Inspector (FDAI) certificate.
- B. Coordination Drawings: Plan(s) and other details drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items involved:
 - 1. Size and construction of chase enclosing each chute; locations for power, signal, and control wiring; and sprinkler-piping and water-service connections.
 - 2. Chute-discharge locations coordinated with compactor-intake or container locations.
- C. Product Certificates: For each type of chute.
- D. Field quality control reports.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer for both installation and maintenance of units required for this Project.
 - 1. Maintenance Proximity: Not more than two hours' normal travel time from Installer's place of business to Project site.
- B. Fire-Rated Door Inspector Qualifications: Inspector for field quality control inspections of fire-rated door assemblies shall meet the qualifications set forth in NFPA 80, section 5.2.3.1, plus the following:
 - 1. Door and Hardware Institute Fire and Egress Door Assembly Inspector (FDAI) certification.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Rated Door Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a qualified testing and inspecting agency, for fire-protection ratings indicated.
 - 1. Test Pressure: Test at atmospheric (neutral) pressure according to NFPA 252 or UL 10B.
 - 2. Intake Doors: Labeled, 1-1/2-hour fire-resistance rated with 30-minute temperature rise of 250 deg F.
 - 3. Discharge Doors: Labeled, 1-1/2-hour fire-resistance rated with 30-minute temperature rise of 250 deg F.
 - 4. Access Doors: Labeled, 1-1/2-hour fire-resistance rated with 30-minute temperature rise of 250 deg F.
- B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- C. Standard: Provide chutes complying with NFPA 82 unless otherwise indicated.

2.2 LAUNDRY AND LINEN CHUTES

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. American Chute, LLC
 - 2. Century Chute LLC.
 - 3. Chute Source, LLC
 - 4. Chutes International

5. Midland Chutes
 6. U.S. Chutes; U.S.C. Group
 7. Valiant Products, Inc.
 8. Western Chutes; Buchanan Company, Inc.
 9. Wilkinson Hi-Rise, LLC
- B. Source Limitations: Obtain from single source from single manufacturer.
- C. Chute Metal: Type 304 stainless steel, ASTM A240/A240M.
1. Thickness: 0.0750 inch.
- D. Chute Size: As indicated on Drawings.
- E. External Reinforcing for Offsets: Additional thickness of 0.11-inch- thick chute metal with bracing to structure.

2.3 LAUNDRY AND LINEN CHUTE DOORS

- A. Intake-Door Assemblies: ASTM A240/A240M, Type 304, stainless steel self-closing units with positive latch and latch handle, with stainless steel trim; constructed as required for performance requirements indicated; and with frame suitable for the enclosing chase construction.
1. Door Type: Side hinged, 180-degree swing, square.
 2. Size: Manufacturer's standard size for door type, chute type, and diameter indicated.
 3. Finish: Manufacturer's standard satin or ASTM A480/A480M No. 3 directional polish.
 4. Lockset: T-handle-type cylinder lock that releases latch with key that is removable only when cylinder is locked.
 - a. Lock Cylinder: Cylinders specified in Section 087100 "Door Hardware."
 - b. Keying: For each chute, key cylinders to master key system.
 - c. Keys: Three for each cylinder.
 5. Accessible Automatic Door Operating System: Manufacturer's standard system complying with applicable provisions of the cited accessibility standard.
- B. Discharge-Door Assemblies: Aluminum-coated-steel doors; horizontal-discharge, top-hinged, self-closing and latching, hopper-type door; constructed as required for performance requirements indicated; equipped with 165 deg F fusible links that cause doors to close in the event of fire; with floor-mounted leg brace designed to absorb impact of material dropping against chute; and with minimum NPS 2 drain pipe connection.
- C. Detector System: Heat- and smoke-detecting interlock system with temperature-rise elements that locks chute doors when temperature in chute reaches a predetermined, adjustable temperature.

1. Locate smoke detector outside discharge door with solenoid to close discharge door.
- D. Access-Door Assemblies: Manufacturer's standard ASTM A240/A240M, Type 302/304, stainless steel doors with trim; constructed as required for performance requirements indicated; with frame suitable for the enclosing chase construction; in satin or ASTM A480/A480M No. 3 directional polish finish; equipped with cylinder locks that release latch with keys that are removable only when cylinder is locked.
1. Lock Cylinder: Cylinders specified in Section 087100 "Door Hardware."
 2. Keying: Key access-door cylinders to master key system.
 3. Keys: Three for each cylinder.
- E. Manual Control System: Control system with manual switches that lock chute doors during shutdown hours and service operations.

2.4 ACCESSORIES

- A. Chute Fire Sprinklers: NFPA 13; manufacturer's standard, recessed, automatic, NPS 1/2 sprinklers; ready for piping connections.

2.5 FABRICATION

- A. Factory-assemble chutes to greatest extent practicable with nonleaking, continuously welded or lock-seamed joints without bolts, rivets, or clips projecting into chute interior. Include intake-door assemblies, metal supporting framing at each floor, and chute expansion joints between each support point.
- B. Offsets: Construct offsets where indicated on Drawings. Fabricate so that installed chute is without obstructions that might prevent materials from free falling within chute.
1. Offsets below Intake Doors: Unless otherwise indicated, do not exceed a 15-degree maximum offset angle at any point, or place offset closer than 48 inches to nearest door above offset.
 2. Offset above Top Intake Door: Do not exceed a 45-degree maximum offset angle between the highest intake door and the upper termination of chute.
 3. Offsets at Floors: Complete offset between floors by returning chute to plumb before penetrating floors.
 4. External Reinforcing: Externally reinforce impact area of offsets located below top intake door. Install vibration isolators where braced to structure.
- C. Roof Vent: Fabricate vent unit as full-size extension of chute, open to the atmosphere. Extend vent to height above roofing surface as indicated on Drawings. Equip vent with full insect screening and metal explosion-release cap. Fabricate with roof-deck flange, counterflashing, and clamping ring of nonferrous metal compatible with chute metal.
- D. Chute Fire Sprinklers: Install internally within chute, recessed out of the chute area through which material travels, and according to NFPA 13. Locate fire sprinklers at or above the top intake door of chutes, within the chute at alternate floor levels in

buildings more than two stories tall, and at the lowest service level.

- E. Equipment Access: Fabricate chutes with access for maintaining equipment located within the chute, such as flushing and sanitizing units, fire sprinklers, and plumbing and electrical connections.

PART 3 - EXECUTION

3.1 INSTALLATION OF LAUNDRY AND LINEN CHUTES

- A. Install and test chutes before installing enclosing chase construction.
- B. Install chutes according to NFPA 82 and manufacturer's written instructions. Assemble components with tight, nonleaking joints. Anchor chutes securely to supporting structure to withstand impacts and stresses. Install chute and components to maintain fire-resistive performance of chute and the enclosing chase construction.
- C. Install chutes plumb, without obstructions that might prevent materials from free falling within chutes.
- D. Anchor flanges of chute vents to roof curbs before installing roofing and flashing. Install chute-vent counterflashing after roofing and roof-penetration flashing are installed.

3.2 INSTALLATION OF LAUNDRY AND LINEN CHUTE DOORS

- A. Intake and Discharge Doors: Interface door units with throat sections of chutes for safe, snag-resistant, sanitary depositing of materials in chutes.

3.3 FIELD QUALITY CONTROL

- A. Test chute components after installation.
 - 1. Operate doors, locks, and interlock systems to demonstrate that hardware operates properly and smoothly and electrical wiring is connected correctly.
 - 2. Complete test operations before installing chase enclosures.
- B. Test heat- and smoke-sensing devices for proper operation.
- C. Inspections:
 - 1. Fire-rated door inspections: Inspect each fire-rated door according to NFPA 80, section 5.2.
 - 2. Repair or remove and replace door installations where inspections indicate that they do not comply with specified requirements.
 - 3. Reinspect repaired or replaced doors to determine if replaced or repaired door installations comply with specified requirements.

4. Prepare and submit separate inspection report for each fire-rated door indicating compliance with each item listed in NFPA 80, and, NFPA 101.
- D. Plumbing Access Doors: After construction of chase enclosure, verify that access doors have been correctly located and properly installed for their purpose.

3.4 ADJUSTING

- A. Adjust doors for smooth and balanced movement.
- B. Operate sanitizing unit through one complete cycle of chute use and cleanup, and replenish chemicals or cleaning fluids in unit containers.

3.5 CLEANING

- A. After completing chase enclosure, clean exposed surfaces of chute system's components. Do not remove labels of testing and inspecting agencies.

END OF SECTION 149133

COLORWAY: Blue Scheme

AREA: Public Areas: Corridor, Fitness Center

MANUFACTURER:

ARMSTRONG ARCHITECTURAL CEILINGS

Cheryl Smith

P 252.214.4426 / P Customer Service:

1.800.442.4212

E cbsmith@armstrongceilings.com

15 S 1st St, Suite A711

Minneapolis, MN 55401

<http://www.armstrong.com/commceilingsna/index.jsp>

REP FIRM:

SPEC NO: SP-ACT1.1

DESCRIPTION: ACT

MODEL NO: Angled Tegular 15/16 in.

DIMENSIONS: 24" x 24"

ITEM: Dune:1774

ACOUSTICS: NRC: .50; CAC: 35

FINISH/COLOR: Finish: Fine Texture; Color: Dune

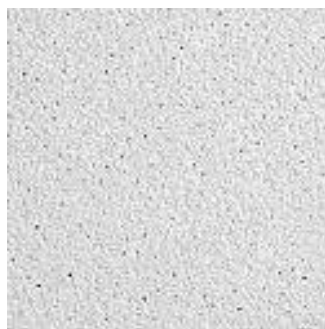
FLAMMABILITY: Class A

INSTALLATION: According to manufacturer's installation instructions

MATERIALS: Mineral Fiber

THICKNESS: 5/8"

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be contract quality and suitable for commercial use.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-ACT1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Quantity to be verified prior to order.
4. Installer to field verify all dimensions before installation.
5. To be installed by General Contractor.
6. Reference drawings for location.
7. Manufacturer to clearly mark carton with item ID and specification number.
8. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-ACT1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme
AREA: Heart of House

MANUFACTURER:

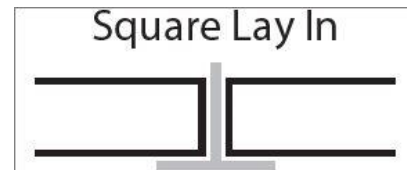
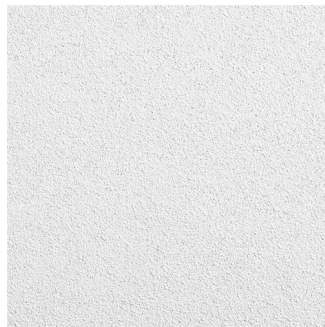
ROCKFON NORTH AMERICA
P 1-800-323-7164

E cs@rockfon.com
4849 S. Austin Ave
Chicago, IL 60638
www.rockfon.com

REP FIRM:

SPEC NO: SP-ACT2.1
DESCRIPTION: Acoustical Ceiling and Grid -at Back of House
MODEL NO: Square Lay-In 15/16" Korral
DIMENSIONS: 24" x 24"
ACOUSTICS: NRC: 0.75 min.
FINISH/COLOR: Ceiling tile: white; Ceiling grid: 01 white
FLAMABILITY: Class A
INSTALLATION: According to manufacturer's installation instructions.
ITEM: Korral #1100
THICKNESS: 5/8"

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to meet all local jurisdiction codes and requirements.
2. Note: Seismic areas will have additional requirements. Consult drawings by Architect of Record.
3. Additional properties to include: light Reflectance: .86, anti-mold and mildew, Sag Resistant, High Recycled content.
4. Quantity to be verified prior to order.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-ACT2.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Reference drawings for details and location.
6. Item to be used with 1200 Standard 15/16" Suspension Grid.
7. Manufacturer to clearly mark each carton with item ID and specification number.
8. All materials and methods of construction must comply with local fire and safety codes for use in hotels.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-ACT2.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Elevator Lobby, Entry Vestibule, Great Room, Lobby

MANUFACTURER:

SHERWIN WILLIAMS
Andy Flippin
P 404-304-3834 (c) / 678-942-5871 (direct) / P
678-942-4200 (main)
F 678-261-6769
E andrew.flippin@sherwin.com
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
www.sherwin-williams.com

REP FIRM:

SPEC NO: SP-B1.1

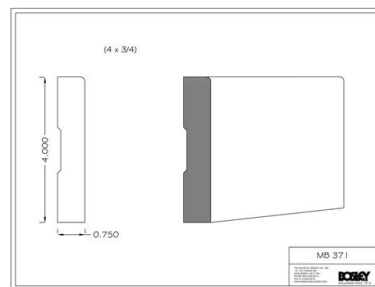
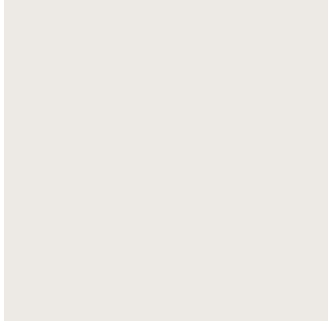
DESCRIPTION: Painted Wood Wall Base - Reference Bosley Mouldings MB 371

MODEL NO: Custom

FINISH: Semi-Gloss

FINISH/COLOR: SW 7004 Snowbound

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
2. Product to be of contract quality and suitable for commercial use.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Quantity to be verified prior to order.
5. Installer to field verify all dimensions before installation.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-B1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. To be installed by General Contractor.
7. Reference drawings for locations.
8. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-B1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

CERAMIC TECHNIQS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO: SP-B2.1

DESCRIPTION: Tile Wall Base - Porcelain

MODEL NO: Porcelain Solutions US Limestone

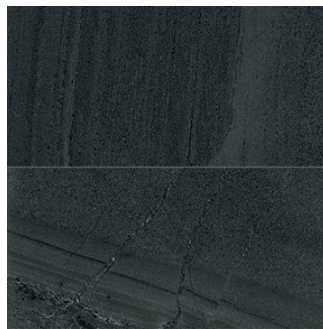
DIMENSIONS: 3" x 24" Rectified Bullnose

FINISH/COLOR: Natural / Black

GROUT: 1/8" Grout Joint; Mapei Ultracolor Plus 47 Charcoal

THICKNESS: 9mm (3/8 in.)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels and other public spaces.
3. Quantity to be verified prior to order.
4. Installation Method: TCNA W243; TCNA F113; TCNA F113A; Medium Set; TCNA C311
5. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

11/10/2021

REV. NO:

3

SPEC NO:

SP-B2.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Reference SP-T2 for coordinating tile specification.
7. Reference drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	3	SP-B2.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Heart of House: Kitchen

MANUFACTURER:

CERAMIC TECHNICS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

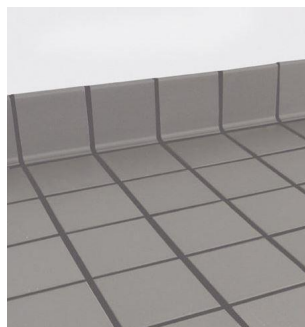
E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO: SP-B3.1
DESCRIPTION: Quarry Tile - for BOH Kitchen
MODEL NO: Essentials Natural Quarry
DIMENSIONS: 5" x 6"

FINISH/COLOR: Textured / Shadow Gray N46
GROUT: Epoxy grout recommended; Grout joint: 1/8". Grout color: Laticrete "35 Mocha"
INSTALLATION: Square grid
THICKNESS: 3/8"
TYPE: Quarry tile

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Coordinating incorner and outcorner tiles are also available through contracted supplier.
2. Product to be of contract quality and suitable for commercial use.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels and other public spaces.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-B3.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Quantity to be verified prior to order.
5. Installation Method: TCNA W243; TCNA F113; TCNA F113A; Medium Set; TCNA C311
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Reference SP-T11 for coordinating tile specification.
8. Reference drawings for location.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-B3.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme
AREA: Public Areas: Fitness Center, Guest Laundry
Heart of House: Administration Areas

MANUFACTURER:

SHAW HOSPITALITY GROUP
Kathlene Moyer
P 404-313-9749

E kathlene.moyer@shawcontract.com

www.shawhospitalitygroup.com

REP FIRM:

SPEC NO: SP-B6.1.1
DESCRIPTION: Rubber Wall Base - for Fitness Center and Guest Laundry; optional
in Heart of House
MODEL NO: 148VS
DIMENSIONS: 120' L x 4" H
TESTING: Meets ASTM E84, ASTM E648, ASTM E662, ASTM D925, ASTM
D2047
COLOR: 00770 - earthen
IMPORTANT: 2 week lead time; 120 linear feed per carton

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification
Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
2. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-B6.1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Quantity to be verified prior to order.
5. Installer to field verify all dimensions before installation.
6. To be installed by General Contractor.
7. Reference drawings for locations.
8. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-B6.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme
AREA: Heart of House: Administration Areas
Public Areas: Fitness Center, Guest Laundry

MANUFACTURER:

DURKAN, A DIVISION OF MOHAWK
P 800-981-2009 (Customer Service)

508 East Morris Street
Dalton, GA 30721
www.durkan.com

REP FIRM:

Dawn Morris
PH: 404-376-4031
dawn_morris@mohawkind.com

SPEC NO: SP-B6.1.2
DESCRIPTION: Rubber Wall Base - For Fitness Center and Guest Laundry;
optional in Heart of House
MODEL NO: SBB03
DIMENSIONS: 120' L x 4" H
TESTING: Meets ASTM E84, ASTM E648, ASTM E662, ASTM D925, ASTM
D2047
IMPORTANT: 2-3 week lead time; 1 roll per carton (120 ft. length each, total 120 lineal
feet)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification
Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
2. Product to be of contract quality and suitable for commercial use.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	3	SP-B6.1.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Quantity to be verified prior to order.
5. Installer to field verify all dimensions before installation.
6. To be installed by General Contractor.
7. Reference drawings for locations.
8. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	3	SP-B6.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Corridor, Stairwells

MANUFACTURER:

SHAW HOSPITALITY GROUP
Kathlene Moyer
P 404-313-9749

E kathlene.moyer@shawcontract.com

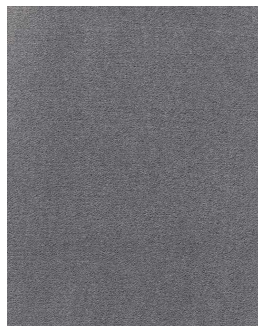
www.shawhospitalitygroup.com

REP FIRM:

SPEC NO: SP-B8.1.1
DESCRIPTION: Neutral Carpet Base at Corridors
MODEL NO: 5B050
DIMENSIONS: 4" H; Stair Stringer: 12" H

BACKING: Synthetic/Classicbac
CONSTRUCTION: Solid cut pile
DYE METHOD: 100% Piece Dyed
EDGE: Binding Color- To match yarn
FINISH/COLOR: Thunder 50583
FLAMMABILITY: Class 1
GAUGE: 1/10
PATTERN / STRIKE-OFF: Camden Hall 30
PILE HEIGHT: .2"
REPEAT: N/A
STITCHES PER INCH: 9
TUFTED WEIGHT: 30 oz
FIBER TYPE: Nylon

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-B8.1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Carpet to be of contract quality and suitable for commercial use.
2. Seaming diagrams must be generated through vendor to confirm best seam location and best yield prior to purchasing goods.
3. Must meet or exceed all Fire Hazard/Flammability codes. If applicable codes do not address carpet and pad it must at minimum meet NFPA 253 (ASTM E648).
4. Must be installed according to manufacturer's directions for all warranties to apply.
5. Quantity of carpet is determined by individual project scope. Installer is responsible for on-site measurements and verifying yardage requirements.
6. Refer to plans for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-B8.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Corridor, Stairwells

MANUFACTURER:

DURKAN, A DIVISION OF MOHAWK
P 800-981-2009 (Customer Service)

508 East Morris Street
Dalton, GA 30721
www.durkan.com

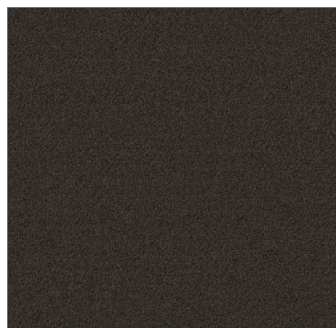
REP FIRM:

Dawn Morris
PH: 404-376-4031
dawn_morris@mohawkind.com

SPEC NO: SP-B8.1.2
DESCRIPTION: Neutral Carpet Base
MODEL NO: SBB01
DIMENSIONS: 4" H; Stair Stringer: 12" H

BACKING: Weldlok
CONSTRUCTION: Tufted
DYE METHOD: Piece Dyed
EDGE: Binding Color- To match yarn
FLAMMABILITY: Class 1
GAUGE: 1/10
STITCHES PER INCH: 10.3 SPI
TUFTED WEIGHT: 30 oz
FIBER TYPE: Fortis Nylon

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Carpet to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-B8.1.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. Seaming diagrams must be generated through vendor to confirm best seam location and best yield prior to purchasing goods.
3. Must meet or exceed all Fire Hazard/Flammability codes. If applicable codes do not address carpet and pad it must at minimum meet NFPA 253 (ASTM E648).
4. Must be installed according to manufacturer's directions for all warranties to apply.
5. Quantity of carpet is determined by individual project scope. Installer is responsible for on-site measurements and verifying yardage requirements.
6. Refer to plans for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-B8.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

INPRO
Jenny Fromm
P 262-679-9010 / P 800-222-5556 x 5183
F 888-715-8407
E jfromm@inprocorp.com
S80 W18766 Apollo Drive
Muskego, WI
53150,
www.inprocorp.com

REP FIRM:

Alexis Capps
PH: 704-456-5568
F: 704-456-5568
acapps@inprocorp.com

SPEC NO: SP-CG1.1

DESCRIPTION: Corner Guard

DIMENSIONS: 3/4" Wing x Full Height x .080" Thick, 90 Degrees (field cut to specific height)

FINISH / COLOR: Sharkskin 0350

INSTALLATION: Adhesive

IMPORTANT: Standard Lead Time is 4-6 weeks

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Install corner guard from top of tile or carpet base.
3. General Contractor to field verify all conditions and quantities prior to ordering materials.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.
6. Corner Guard to extend full height of walls. Available in 9' and 12'H lengths for properties with high ceilings.

ISSUE DATE:

11/6/2019

REVISION DATE:

11/10/2021

REV. NO:

2

SPEC NO:

SP-CG1.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Lobby, Great Room

MANUFACTURER:

SHAW HOSPITALITY GROUP
Kathlene Moyer
P 404-313-9749

E kathlene.moyer@shawcontract.com

www.shawhospitalitygroup.com

REP FIRM:

SPEC NO: SP-CPT1.1
DESCRIPTION: Carpet Tile - for Living Room, Great Room, and Elevator Cabs
MODEL NO: BS263
DIMENSIONS: 9" x 36"

BACKING: Ecoworx® Tile
CONSTRUCTION: Multi-level Pattern Loop
DYE METHOD: 100% Solution Dyed
GAUGE: 1/10 per inch
INSTALLATION: Direct Glue; Stagger
STITCHES PER INCH: 8 per inch
TUFTED WEIGHT: 28.0 oz/yd2
COLOR: 35760
FIBER TYPE: Eco solution Q® Nylon

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Carpet to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-CPT1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. Must meet or exceed all Fire Hazard/Flammability codes. If applicable codes do not address carpet and pad it must at minimum meet NFPA 253 (ASTM E648).
3. Must be installed according to manufacturer's directions for all warranties to apply.
4. Quantity of carpet is determined by individual project scope. Installer is responsible for on-site measurements and verifying quantity.
5. Refer to plans for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-CPT1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Great Room, Lobby

MANUFACTURER:

DURKAN, A DIVISION OF MOHAWK
P 800-981-2009 (Customer Service)

508 East Morris Street
Dalton, GA 30721
www.durkan.com

REP FIRM:

Dawn Morris
PH: 404-376-4031
dawn_morris@mohawkind.com

SPEC NO: SP-CPT1.2
DESCRIPTION: Carpet Tile - for Living Room, Great Room, and Elevator Cabs
MODEL NO: SBS03
TUFTED WEIGHT: 23 oz/sq.yd.
GAUGE: 1/12

BACKING: Ecoflex NXT Air attached cushion
CONSTRUCTION: Textured Patterned Cut and Loop
DYE METHOD: Solution
FIBER TYPE: Colorstrand 100% SD Nylon
FLAMMABILITY: ASTM E648
GAUGE: 1/12"
INSTALLATION: Brick Ashlar
SECONDARY BACKING: Eco Flex NXT Air Attached Pad
STITCHES PER INCH: 12.2
TUFTED WEIGHT: 23.0 oz/yd2

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-CPT1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

1. Carpet to be of contract quality and suitable for commercial use.
2. Must meet or exceed all Fire Hazard/Flammability codes. If applicable codes do not address carpet and pad it must at minimum meet NFPA 253 (ASTM E648).
3. Must be installed according to manufacturer's directions for all warranties to apply.
4. Quantity of carpet is determined by individual project scope. Installer is responsible for on-site measurements and verifying quantity.
5. Refer to plans for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-CPT1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Corridor

MANUFACTURER:

SHAW HOSPITALITY GROUP
Kathlene Moyer
P 404-313-9749

E kathlene.moyer@shawcontract.com

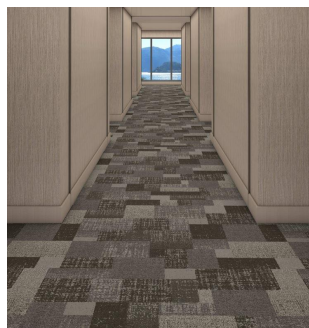
www.shawhospitalitygroup.com

REP FIRM:

SPEC NO: SP-CPT2.1
DESCRIPTION: Broadloom Neutral Carpet in Corridors
MODEL NO: BS294 - 12 Ft; BS296 15 Ft.
DIMENSIONS: Available in 12'-0" and 15'-0" width of goods

BACKING: Classicbac® PC (Attached Cushion)
CONSTRUCTION: Multi-Level Loop Tip Shear
DYE METHOD: 100% Solution Dyed
GAUGE: 1/10 per in.
PAD: Attached
REPEAT: 72" x 44.8"
STITCHES PER INCH: 10 per in.
TUFTED WEIGHT: 36 oz/sq. yd.
COLOR: BB36Y
FIBER TYPE: Eco Solution Q® Nylon

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-CPT2.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

1. Carpet to be of contract quality and suitable for commercial use.
2. Seaming diagrams must be generated through vendor to confirm best seam location and best yield prior to purchasing goods.
3. Must meet or exceed all Fire Hazard/Flammability codes. If applicable codes do not address carpet and pad it must at minimum meet NFPA 253 (ASTM E648).
4. Must be installed according to manufacturer's directions for all warranties to apply.
5. Quantity of carpet is determined by individual project scope. Installer is responsible for on-site measurements and verifying yardage requirements.
6. Refer to plans for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-CPT2.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Corridor

MANUFACTURER:

SHAW HOSPITALITY GROUP
Kathlene Moyer
P 404-313-9749

E kathlene.moyer@shawcontract.com

www.shawhospitalitygroup.com

REP FIRM:

SPEC NO: SP-CPT2.1D
DESCRIPTION: Broadloom Neutral Carpet - 12' W Doorfill for Corridor
MODEL NO: BS171

BACKING: Classicbac® PC (Attached Cushion)
CONSTRUCTION: Multi-Level Loop Tip Shear
DYE METHOD: 100% Solution Dyed
GAUGE: 1/10 per in.
INSTALLATION: Direct Glue
STITCHES PER INCH: 10 per in.
TUFTED WEIGHT: 36 oz/ sq. yd.
COLOR: BB97C
FIBER TYPE: Eco Solution Q® Nylon

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-CPT2.1D

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. Per manufacturer carpet meets or exceeds the following standards: Pill Test 16CFR-1630.4, ASTM E-648 Class 1, ASTM E-662 450 or Less, Meet CRI Green Label Plus 6678 testing and product requirements.
3. Must be installed according to manufacturer's directions for all warranties to apply.
4. Manufacturer to submit strike-off and seaming diagrams to designer for review and approval prior to purchasing goods.
5. To be contract quality and suitable for commercial use.
6. Must meet or exceed all Fire Hazard/Flammability codes. If applicable codes do not address carpet and pad it must at minimum meet NFPA 253 (ASTM E648).
7. Must be installed according to manufacturer's directions for all warranties to apply.
8. Quantity of carpet is determined by individual project scope. Installer is responsible for on-site measurements and verifying yardage requirements prior to ordering.
9. Refer to drawings for locations.
10. Manufacturer to clearly mark carpet rolls with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-CPT2.1D

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Corridor

MANUFACTURER:

DURKAN, A DIVISION OF MOHAWK
P 800-981-2009 (Customer Service)

508 East Morris Street
Dalton, GA 30721
www.durkan.com

REP FIRM:

Dawn Morris
PH: 404-376-4031
dawn_morris@mohawkind.com

SPEC NO: SP-CPT2.2
DESCRIPTION: Broadloom Neutral Carpet in Corridors
MODEL NO: SBS07

BACKING: Weldlok® Air (Attached Cushion)
CONSTRUCTION: Tufted
DYE METHOD: Solution
GAUGE: 1/10 per in.
INSTALLATION: As Is install; installed with no regard to repeat
PAD: Attached
REPEAT: 72"W x 113.5"L
STITCHES PER INCH: 9.34 per in.
TUFTED WEIGHT: 36 oz/sq. yd
FIBER TYPE: Colorstrand® SD Nylon - 100% SD

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Carpet to be of contract quality and suitable for commercial use.
2. Seaming diagrams must be generated through vendor to confirm best seam location and best yield prior to purchasing goods.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-CPT2.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. Must meet or exceed all Fire Hazard/Flammability codes. If applicable codes do not address carpet and pad it must at minimum meet NFPA 253 (ASTM E648).
4. Must be installed according to manufacturer's directions for all warranties to apply.
5. Quantity of carpet is determined by individual project scope. Installer is responsible for on-site measurements and verifying yardage requirements.
6. Refer to plans for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.
8. Refer to SP-CPT2.2P for carpet pad.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-CPT2.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Heart of House: Administration Areas
Public Areas: Stairwells

MANUFACTURER:

SHAW HOSPITALITY GROUP
Kathlene Moyer
P 404-313-9749

E kathlene.moyer@shawcontract.com

www.shawhospitalitygroup.com

REP FIRM:

SPEC NO: SP-CPT3.1
DESCRIPTION: Broadloom Neutral Carpet 12'-0" width
MODEL NO: BS300

BACKING: Classicbac®
COLOR: 34595
CONSTRUCTION: Graphic Loop
DYE METHOD: 100% Solution Dyed
FIBER TYPE: Eco-Solution Q® Nylon
FLAMMABILITY: X
GAUGE: 1/8 per in.
INSTALLATION: Direct Glue
SECONDARY BACKING: Classicbac
STITCHES PER INCH: 12 per in.
TUFTED WEIGHT: 30.0 oz./ sq. yards

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
12/15/2019	4/15/2021	2	SP-CPT3.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

1. Carpet to be of contract quality and suitable for commercial use.
2. Seaming diagrams must be generated through vendor to confirm best seam location and best yield prior to purchasing goods.
3. Must meet or exceed all Fire Hazard/Flammability codes. If applicable codes do not address carpet and pad it must at minimum meet NFPA 253 (ASTM E648).
4. Must be installed according to manufacturer's directions for all warranties to apply.
5. Quantity of carpet is determined by individual project scope. Installer is responsible for on-site measurements and verifying yardage requirements.
6. Refer to plans for location.
7. Refer to SP-CPT2P.2 for carpet pad.
8. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
12/15/2019	4/15/2021	2	SP-CPT3.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme
AREA: Heart of House: Administration Areas
Public Areas: Stairwells

MANUFACTURER:

DURKAN, A DIVISION OF MOHAWK
P 800-981-2009 (Customer Service)

508 East Morris Street
Dalton, GA 30721
www.durkan.com

REP FIRM:

Dawn Morris
PH: 404-376-4031
dawn_morris@mohawkind.com

SPEC NO: SP-CPT3.2
DESCRIPTION: Broadloom Neutral Carpet 12'-0" W
MODEL NO: SBS12

BACKING: Weldlock
CONSTRUCTION: Tufted
DYE METHOD: Solution Dyed
FIBER TYPE: Colorstrand SD Nylon
FLAMMABILITY: ASTM E 648 Class 1 (Glue Down)
GAUGE: 1/12"
IMPORTANT: SBB07: Stair 4" H Landings; SBB06: Stair 12" Stringers
INSTALLATION: Stretch-in
PAD: Not attached; See spec SG-CPT1.2P
REPEAT: 18"(W) x8.25"(L)
STITCHES PER INCH: 11.0 per inch
TUFTED WEIGHT: 18.0 oz. per sq. yd.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	3	SP-CPT3.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

1. Carpet to be of contract quality and suitable for commercial use.
2. Seaming diagrams must be generated through vendor to confirm best seam location and best yield prior to purchasing goods.
3. Must meet or exceed all Fire Hazard/Flammability codes. If applicable codes do not address carpet and pad it must at minimum meet NFPA 253 (ASTM E648).
4. Must be installed according to manufacturer's directions for all warranties to apply.
5. Quantity of carpet is determined by individual project scope. Installer is responsible for on-site measurements and verifying yardage requirements.
6. Refer to plans for location.
7. Refer to SP-CPT2P.2 for carpet pad.
8. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

2/28/2022

REV. NO:

3

SPEC NO:

SP-CPT3.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Heart of House: Administration Areas

MANUFACTURER:

DURKAN, A DIVISION OF MOHAWK
P 800-981-2009 (Customer Service)

508 East Morris Street
Dalton, GA 30721
www.durkan.com

REP FIRM:

Dawn Morris
PH: 404-376-4031
dawn_morris@mohawkind.com

SPEC NO: SP-CPT3.2P
DESCRIPTION: Carpet Underlayment Cushion Carpet Pad
SERIES Hospitality Plus Tackless 32
MODEL NO: Smart Step Cushion
DIMENSIONS: 6'/12'W x L 60'

BACKING: None
CONTENT: 100% Post Industrial Synthetic Fiber
THICKNESS: 0.28"
WEIGHT: 80 lbs /160 lbs

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. To be contract quality and suitable for commercial use.
2. Product must meet or exceed all applicable state and local codes for project location.
3. Quantity to be verified prior to order.
4. Refer to drawings for location.
5. Installation to be per manufacturer's instructions.
6. Refer to SP-CPT3.2 for carpet.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
12/15/2019	4/15/2021	1	SP-CPT3.2P

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Entry Vestibule

MANUFACTURER:

SHAW HOSPITALITY GROUP
Kathlene Moyer
P 404-313-9749

E kathlene.moyer@shawcontract.com

www.shawhospitalitygroup.com

REP FIRM:

SPEC NO: SP-CPT6.1

DESCRIPTION: Entry Walk Off Mat

MODEL NO: 5T031-31557

DIMENSIONS: 24" x 24"

BACKING: Ecoworx Tile

COLLECTION: Steppin Out

CONSTRUCTION: Needlebond Hobnail

DYE METHOD: 100% Solution Dyed

FLAMMABILITY: Class I

INSTALLATION: Quarter Turn

PILE HEIGHT: 3.99mm

PRIMARY BACKING: Polypropylene

STITCHES PER INCH: 0.0 per in. / 0.5 per cm

THICKNESS: 0.3262 in.

TUFTED WEIGHT: 49.0 oz/ sq. yd.

FIBER TYPE: Pet Polyester

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-CPT6.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

NOTES:

1. To be contract quality and suitable for commercial use.
2. Product must meet or exceed all applicable state and local codes for project location.
3. Quantity to be verified prior to order.
4. Refer to drawings for location.
5. Installation to be per manufacturer's instructions.
6. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-CPT6.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Entry Vestibule

MANUFACTURER:

DURKAN, A DIVISION OF MOHAWK
P 800-981-2009 (Customer Service)

508 East Morris Street
Dalton, GA 30721
www.durkan.com

REP FIRM:

Dawn Morris
PH: 404-376-4031
dawn_morris@mohawkind.com

SPEC NO: SP-CPT6.2
DESCRIPTION: Entry Walk Off Mat
MODEL NO: SBS02
DIMENSIONS: 24" x 24"

BACKING: EcoFlex NXT
CONSTRUCTION: Tufted
FLAMMABILITY: ASTM E 648 Class 1 (Glue Down)
GAUGE: 5/32"
INSTALLATION: Quarter Turn; Glue Down
STITCHES PER INCH: 10 per in.
THICKNESS: .145"
TUFTED WEIGHT: 30.0oz per sq. yd.
FIBER TYPE: Duracolor® Premium Nylon

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. To be contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-CPT6.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. Product must meet or exceed all applicable state and local codes for project location.
3. Quantity to be verified prior to order.
4. Refer to drawings for location.
5. Installation to be per manufacturer's instructions.
6. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-CPT6.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Entry Vestibule

MANUFACTURER:

AMERICAN HOTEL REGISTER COMPANY
Jason Renkens
P 847-743-1550
F 866-737-5590
E jrenkens@americanhotel.com
100 South Milwaukee Avenue
Vernon Hills, IL 60061
americanhotelregister.com

REP FIRM:

SPEC NO: SP-CPT7.1
DESCRIPTION: Entry Walk Off Mat Non-Recessed - for Renovation
SERIES Berber Roll Goods
MODEL NO: Custom
DIMENSIONS: 4'W x 6'L; 6'W x 8'L

FINISH/COLOR: Charcoal

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. To be contract quality and suitable for commercial use.
2. Product must meet or exceed all applicable state and local codes for project location.
3. Quantity to be verified prior to order.
4. Refer to drawings for location.
5. Installation to be per manufacturer's instructions.
6. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	4/15/2021	1	SP-CPT7.1

COLORWAY: Blue Scheme

AREA: Public Areas: Guest Laundry

MANUFACTURER:

SHAW HOSPITALITY GROUP
Kathlene Moyer
P 404-313-9749

E kathlene.moyer@shawcontract.com

www.shawhospitalitygroup.com

REP FIRM:

SPEC NO: SP-LVT1.1

DESCRIPTION: Luxury Vinyl Tile

MODEL NO: BS172-00775

DIMENSIONS: 5.96" x 48"

ADHESIVE: Shaw 4100 or S150; GC to coordinate adhesive type

INSTALLATION: Direct Glue; Stagger

LOCATION: Fitness Center and Guest Laundry

THICKNESS: 2.5 mm

IMPORTANT: 2 Week Lead Time

WEAR LAYER: 20 mil

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. UNDERLAYMENT: Designer / Architect to determine if underlayment is required to meet 55 IIC within the floor / ceiling assembly. Refer to SP-LVT1.1P for underlayment specification.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
3. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-LVT1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for on-site measurements.
5. Refer to drawings for location.
6. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
7. Floor surface should be undamaged, smooth, clean, dry, structurally sound and free of mold, mildew, grease, or stains for best installation results.
8. Dilution of adhesive is not recommended.
9. Renovation properties: A change in floor level will occur when removing carpet and installing LVT which leave a gap between the door frame and finished floor. A recommended solution is to grout and caulk the gap.
10. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
11. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-LVT1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Fitness Center, Guest Laundry

MANUFACTURER:

SHAW HOSPITALITY GROUP
Kathlene Moyer
P 404-313-9749

E kathlene.moyer@shawcontract.com

www.shawhospitalitygroup.com

REP FIRM:

SPEC NO: SP-LVT1.1P

DESCRIPTION: LVT Underlayment Both Schemes

MODEL NO: Groundworks 081VS

DIMENSIONS: 3'x 33'-4"

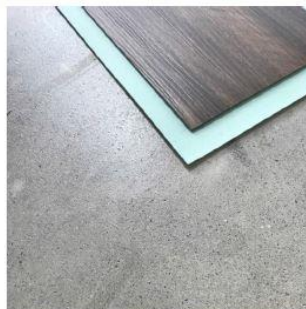
ADHESIVE: All Shaw Resilient Adhesives, GC to coordinate adhesive type

CONSTRUCTION: Rolled Polyurethane Foam

INSTALLATION: Double Glue

ROLL WEIGHT: 14 / 63 lbs

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
2. Product to be of contract quality and suitable for commercial use.
3. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for on-site measurements.
4. Refer to drawings for location.

ISSUE DATE:

4/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SP-LVT1.1P



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
6. Floor surface should be undamaged, smooth, clean, dry, structurally sound and free of mold, mildew, grease, or stains for best installation results.
7. Dilution of adhesive is not recommended.
8. Renovation properties: A change in floor level will occur when removing carpet and installing LVT which leave a gap between the door frame and finished floor. A recommended solution is to grout and caulk the gap.
9. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
10. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

4/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SP-LVT1.1P

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Guest Laundry

MANUFACTURER:

DURKAN, A DIVISION OF MOHAWK
P 800-981-2009 (Customer Service)

508 East Morris Street
Dalton, GA 30721
www.durkan.com

REP FIRM:

Dawn Morris
PH: 404-376-4031
dawn_morris@mohawkind.com

SPEC NO: SP-LVT1.2

DESCRIPTION: Luxury Vinyl Tile

MODEL NO: SBL01

DIMENSIONS: 6" x 48"L

ADHESIVE: M95.0 Resilient Flooring Adhesive, M99 REsiliient Flooring Adhesive, or M700 Adhesive, GC to coordinate adhesive type

BACKING: Commercial Grade

FINISH: M-Force Enhanced Urethane

IMPORTANT: 4-6 week lead time

INSTALLATION: Direct Glue; 1/3 Offset Install Method

LOCATION: Guestroom Kitchen

THICKNESS: 2.5mm

WEAR LAYER: 20 mil

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. UNDERLAYMENT: Designer / Architect to determine if underlayment is required to meet 55 IIC within the floor / ceiling assembly. Refer to SP-LVT1.2P for underlayment specification.
2. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-LVT1.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for on-site measurements.
5. Floor surface should be undamaged, smooth, clean, dry, structurally sound and free of mold, mildew, grease, or stains for best installation results.
6. Dilution of adhesive is not recommended.
7. Renovation properties: A change in floor level will occur when removing carpet and installing LVT which leave a gap between the door frame and finished floor. A recommended solution is to grout and caulk the gap.
8. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
9. Manufacturer to clearly mark each carton with item ID and specification number.
10. Refer to drawings for location.
11. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-LVT1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Fitness Center, Guest Laundry

MANUFACTURER:

DURKAN, A DIVISION OF MOHAWK
P 800-981-2009 (Customer Service)

508 East Morris Street
Dalton, GA 30721
www.durkan.com

REP FIRM:

Dawn Morris
PH: 404-376-4031
dawn_morris@mohawkind.com

SPEC NO: SP-LVT1.2P

DESCRIPTION: LVT Underlayment

MODEL NO: AccuSound

DIMENSIONS: 5'x 40'

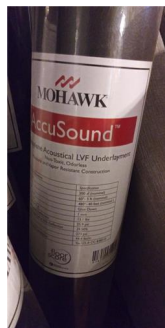
ADHESIVE: Mohawk M950, M700, or Mohawk's MS160 spray adhesive, GC to coordinate adhesive type

CONSTRUCTION: Rolled Polyurethane Foam

INSTALLATION: Loose Lay

ROLL WEIGHT: 13.1 lbs.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
2. Product to be of contract quality and suitable for commercial use.
3. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for on-site measurements.
4. Refer to drawings for location.

ISSUE DATE:

4/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SP-LVT1.2P



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
6. Floor surface should be undamaged, smooth, clean, dry, structurally sound and free of mold, mildew, grease, or stains for best installation results.
7. Dilution of adhesive is not recommended.
8. Renovation properties: A change in floor level will occur when removing carpet and installing LVT which leave a gap between the door frame and finished floor. A recommended solution is to grout and caulk the gap.
9. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
10. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

4/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SP-LVT1.2P

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Lobby

MANUFACTURER:

SHAW HOSPITALITY GROUP
Kathlene Moyer
P 404-313-9749

E kathlene.moyer@shawcontract.com

www.shawhospitalitygroup.com

REP FIRM:

SPEC NO: SP-LVT50.1
DESCRIPTION: Luxury Vinyl Tile -Solution for Floating Over Renovation Lobby Tile (where applicable)
MODEL NO: BS286-00705
DIMENSIONS: 7.13" x 48.03"
CONSTRUCTION: Multilayer WPC with Attached Cork Underlayment
INSTALLATION: Floating; 1/3 offset installation method
THICKNESS: 8.0 mm
WEAR LAYER: 20 mil

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. UNDERLAYMENT: Designer / Architect to determine if underlayment is required to meet 55 IIC within the floor / ceiling assembly. Refer to SP-VF1.1P for underlayment specification.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
3. Product to be of contract quality and suitable for commercial use.
4. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for on-site measurements.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-LVT50.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Refer to drawings for location.
6. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
7. Floor surface should be undamaged, smooth, clean, dry, structurally sound and free of mold, mildew, grease, or stains for best installation results.
8. Dilution of adhesive is not recommended.
9. Renovation properties: A change in floor level will occur when removing carpet and installing LVT which leave a gap between the door frame and finished floor. A recommended solution is to grout and caulk the gap.
10. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
11. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-LVT50.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Bar, Pantry

MANUFACTURER:

GENERAL CONTRACTOR

REP FIRM:

SPEC NO:

SP-MTL1.1

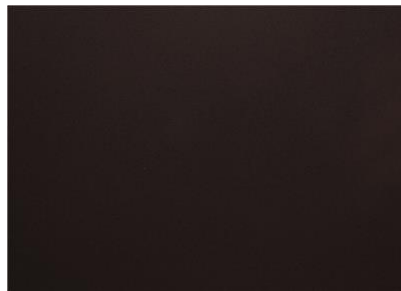
DESCRIPTION:

Metal Finish -at Public Area Millwork

FINISH/COLOR:

Powdercoated to match SW 9175 Deep Forest Brown

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Refer to drawings for location.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. Quantity to be verified prior to order. Contractor to determine quantity based on individual property requirements.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-MTL1.1

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

GENERAL CONTRACTOR

REP FIRM:

SPEC NO:

SP-MTL2.1

DESCRIPTION:

Metal Finish

FINISH/COLOR:

Brushed Metal to match Chemetal 310 Antique Brushed Brass

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Quantity to be verified prior to order. Contractor to determine quantity based on individual property requirements.
4. Refer to drawings for location.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-MTL2.1

COLORWAY: Blue Scheme

AREA: Public Areas: Guest Laundry

MANUFACTURER:

FORMICA
P 800-367-6422

10155 Reading Road
Cincinnati, OH 45241
www.formica.com

REP FIRM:

See website to find your local
distributor:

SPEC NO: SP-PL1.1
DESCRIPTION: Plastic Laminate -at Folding Table
MODEL NO: 6314-11
DIMENSIONS: VIF

FINISH/COLOR: Satin Touch Texture / Neo Cloud
INSTALLATION: Best for most yield per sheet

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Quantity to be verified prior to order. Contractor to determine quantity based on individual property requirements.
4. Reference drawings for details and location.
5. Product to pass ASTM E-84 Standard Test Method for Surface Burning.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	8/15/2021	2	SP-PL1.1

COLORWAY: Blue Scheme

AREA: Public Areas: Elevators

MANUFACTURER:

FORMICA
P 800-367-6422

10155 Reading Road
Cincinnati, OH 45241
www.formica.com

REP FIRM:

See website to find your local
distributor:

SPEC NO: SP-PL2.1

DESCRIPTION: Plastic Laminate - Wall Panels at Elevator

MODEL NO: 8848-58

DIMENSIONS: VIF

DURABILITY: Laminate to be High Pressure Laminate (HPL) unless noted otherwise

FINISH/COLOR: Matte / Blackened Legno

INSTALLATION: Best for most yield per sheet

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Quantity to be verified prior to order. Contractor to determine quantity based on individual property requirements.
4. Reference drawings for details and location.
5. Product to pass ASTM E-84 Standard Test Method for Surface Burning.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-PL2.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6.

Per manufacturer, fire rated compact laminate panels meets or exceeds the following: Class A/ 1 Fire Rating, and is suitable for use in elevator cabs.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-PL2.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Fitness Center, Guest Laundry

MANUFACTURER:

FORMICA
P 800-367-6422

10155 Reading Road
Cincinnati, OH 45241
www.formica.com

REP FIRM:

See website to find your local distributor:

SPEC NO: SP-PL3.1

DESCRIPTION: Plastic Laminate -at Millwork in Fitness Center and Guest Laundry

MODEL NO: 6452

DIMENSIONS: VIF

FINISH/COLOR: 58 Matte / Smoke Ash

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Quantity to be verified prior to order. Contractor to determine quantity based on individual property requirements.
4. Reference drawings for details and location.
5. Product to pass ASTM E-84 Standard Test Method for Surface Burning.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-PL3.1

COLORWAY: Blue Scheme

AREA: Public Areas: Buffet Area, Fitness Center, Front Desk Area, Pantry

MANUFACTURER:

FORMICA
P 800-367-6422

10155 Reading Road
Cincinnati, OH 45241
www.formica.com

REP FIRM:

See website to find your local distributor:

SPEC NO: SP-PL4.1
DESCRIPTION: Plastic Laminate - Toe Kick at Millwork
MODEL NO: 6452
DIMENSIONS: VIF

FINISH/COLOR: 58 Matte / Smoke Ash

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Quantity to be verified prior to order. Contractor to determine quantity based on individual property requirements.
4. Reference drawings for details and location.
5. Product to pass ASTM E-84 Standard Test Method for Surface Burning.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-PL4.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Bar, Lobby

MANUFACTURER:

FORMICA
P 800-367-6422

10155 Reading Road
Cincinnati, OH 45241
www.formica.com

REP FIRM:

See website to find your local
distributor:

SPEC NO: SP-PL5.1

DESCRIPTION: Plastic Laminate - Millwork at Window Seat, Gathering Table, Great
Room and Bar

MODEL NO: 9312-NG

DIMENSIONS: VIF

FINISH/COLOR: Natural Grain / Planked Urban Oak

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification
Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Quantity to be verified prior to order. Contractor to determine quantity based on individual property requirements.
4. Reference drawings for details and location.
5. Product to pass ASTM E-84 Standard Test Method for Surface Burning.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-PL5.1

COLORWAY: Blue Scheme

AREA: Public Areas: Corridor, Fitness Center, Guest Laundry, Lobby, Stairwells, Storage

MANUFACTURER:

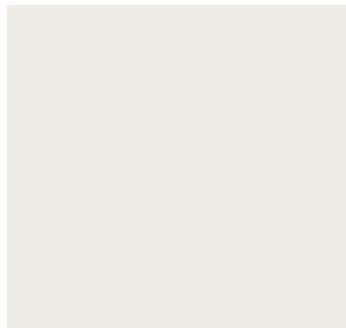
SHERWIN WILLIAMS
Andy Flippin
P 404-304-3834 (c) / 678-942-5871 (direct) / P
678-942-4200 (main)
F 678-261-6769
E andrew.flippin@sherwin.com
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
www.sherwin-williams.com

REP FIRM:

SPEC NO: SP-PT1.1
DESCRIPTION: Paint - General Ceiling
COLOR NAME: Pure White
COLOR NUMBER: SW 7005
FINISH: Flat

CONTENT: Interior Alkyd Paint

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Paint to be low order / low VOC.
3. General Contractor to determine required paint quantity.
4. Refer to drawings for location.
5. Submit (4) drawn down samples to designer for approval.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-PT1.1

COLORWAY: Blue Scheme

AREA: Public Areas: Buffet Area

MANUFACTURER:

SHERWIN WILLIAMS
Andy Flippin
P 404-304-3834 (c) / 678-942-5871 (direct) / P
678-942-4200 (main)
F 678-261-6769
E andrew.flippin@sherwin.com
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
www.sherwin-williams.com

REP FIRM:

SPEC NO: SP-PT10.1 (Blue)
DESCRIPTION: Paint - Upper Buffet Cabinets (Blue Scheme)
COLOR NAME: Debonair
COLOR NUMBER: SW 9139

CONTENT: Interior Alkyd Paint
FINISH: Lacquer

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Paint to be low order / low VOC.
3. General Contractor to determine required paint quantity.
4. Refer to drawings for location.
5. Submit (4) drawn down samples to designer for approval.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	4/15/2021	1	SP-PT10.1 (Blue)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Pool Area, Indoor Pool Area

MANUFACTURER:

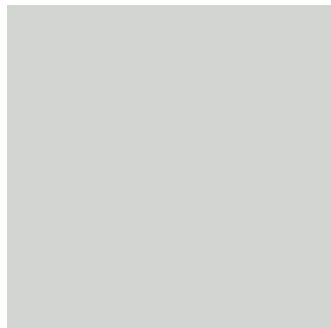
SHERWIN WILLIAMS
Andy Flippin
P 404-304-3834 (c) / 678-942-5871 (direct) / P
678-942-4200 (main)
F 678-261-6769
E andrew.flippin@sherwin.com
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
www.sherwin-williams.com

REP FIRM:

SPEC NO: SP-PT11.1
DESCRIPTION: Paint - for Indoor Pool (Blue and Taupe Schemes)
COLOR NAME: Reflection
COLOR NUMBER: SW 7661
FINISH: Eggshell

CONTENT: Interior Alkyd Paint

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
4/15/2021			SP-PT11.1

COLORWAY: Blue Scheme

AREA: Heart of House: Administration Areas, Employee Breakroom, Employee Restroom,
Kitchen, Service Corridor, Storage

MANUFACTURER:

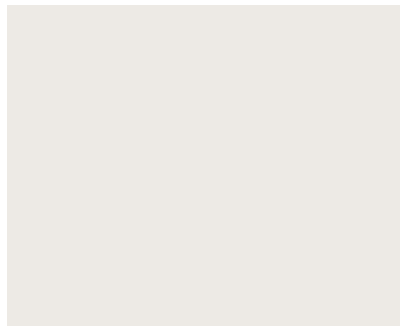
SHERWIN WILLIAMS
Andy Flippin
P 404-304-3834 (c) / 678-942-5871 (direct) / P
678-942-4200 (main)
F 678-261-6769
E andrew.flippin@sherwin.com
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
www.sherwin-williams.com

REP FIRM:

SPEC NO: SP-PT12.1
DESCRIPTION: Paint -Paint at Heart of House
MODEL NO: ProIndustrial Pre-Catalyzed Epoxy OR ProMar 200HP Zero VOC
Interior Latex
COLOR NAME: Snowbound
COLOR NUMBER: SW 7004
FINISH: Satin

CONTENT: Interior Alkyd Paint
IMPORTANT: Wall surfaces must be all paint or all wall covering, no mixing permitted. For
owner optional upgrade wallcovering, refer to SP-WC1

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification
Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Paint to be low order / low VOC.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-PT12.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. General Contractor to determine required paint quantity.
4. Refer to drawings for location.
5. Submit (4) drawn down samples to designer for approval.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-PT12.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Front Desk Area, Great Room, Pantry

MANUFACTURER:

SHERWIN WILLIAMS
Andy Flippin
P 404-304-3834 (c) / 678-942-5871 (direct) / P
678-942-4200 (main)
F 678-261-6769
E andrew.flippin@sherwin.com
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
www.sherwin-williams.com

REP FIRM:

SPEC NO: SP-PT4.1
DESCRIPTION: Paint - at Lobby Millwork and Behind Great Room TV
COLOR NAME: Deep Forest Brown
COLOR NUMBER: SW 9175
FINISH: Eggshell
CONTENT: Interior Alkyd Paint

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-PT4.1

COLORWAY: Blue Scheme

AREA: Public Areas: Front Desk Area

MANUFACTURER:

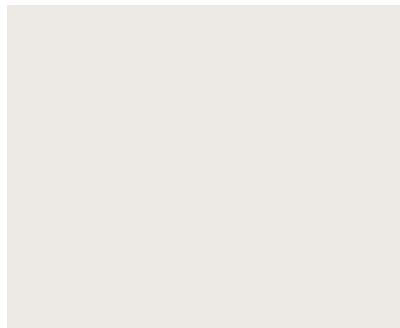
SHERWIN WILLIAMS
Andy Flippin
P 404-304-3834 (c) / 678-942-5871 (direct) / P
678-942-4200 (main)
F 678-261-6769
E andrew.flippin@sherwin.com
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
www.sherwin-williams.com

REP FIRM:

SPEC NO: SP-PT5.1
DESCRIPTION: Paint -at Back of House
COLOR NAME: Snowbound
COLOR NUMBER: SW 7004
FINISH: Satin

CONTENT: Interior Alkyd Paint

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Primer, undercoat, block filler, finish coat(s) are to be compatible and of the same manufacturer. All primers and undercoats are to be tinted to 50% lighter than the selected and approved finish coat color. All finish coats are to be tinted 25% darker than the primer coat until approved finish coat color is achieved. When the color schedule calls for the use of DEEP TONES (interior and/or exterior), it is the responsibility of the painting contractor to utilize the appropriate Deep Base Primers.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	1/31/2022	2	SP-PT5.1

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SHERWIN WILLIAMS
Andy Flippin
P 404-304-3834 (c) / 678-942-5871 (direct) / P
678-942-4200 (main)
F 678-261-6769
E andrew.flippin@sherwin.com
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
www.sherwin-williams.com

REP FIRM:

SPEC NO: SP-PT50.1

DESCRIPTION: Paint - for Renovation

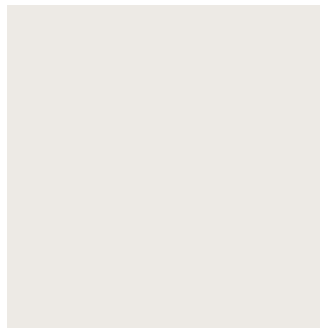
COLOR NAME: Snowbound

COLOR NUMBER: SW 7004

FINISH: Semi-Gloss

LOCATION: Columns and Wall Moulding

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Paint to be low order / low VOC.
3. General Contractor to determine required paint quantity.
4. Refer to drawings for location.
5. Submit (4) drawn down samples to designer for approval.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-PT50.1

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SHERWIN WILLIAMS
Andy Flippin
P 404-304-3834 (c) / 678-942-5871 (direct) / P
678-942-4200 (main)
F 678-261-6769
E andrew.flippin@sherwin.com
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
www.sherwin-williams.com

REP FIRM:

SPEC NO: SP-PT51.1 (blue)
DESCRIPTION: Paint - Buffet Existing Cabinets (Blue Scheme)
COLOR NAME: Debonair
COLOR NUMBER: SW 9139
FINISH: Lacquer

LOCATION: L-Shaped Buffet for Blue Scheme

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-PT51.1 (blue)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Lobby, Fitness Center, Guest Laundry

MANUFACTURER:

SHERWIN WILLIAMS
Andy Flippin
P 404-304-3834 (c) / 678-942-5871 (direct) / P
678-942-4200 (main)
F 678-261-6769
E andrew.flippin@sherwin.com
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
www.sherwin-williams.com

REP FIRM:

SPEC NO: SP-PT6.1 (Blue)
DESCRIPTION: Paint - Accent Ceiling Paint (Blue Scheme)
COLOR NAME: Debonair
COLOR NUMBER: SW 9139
FINISH: Flat

CONTENT: Interior Alkyd Paint

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Paint to be low order / low VOC.
3. General Contractor to determine required paint quantity.
4. Refer to drawings for location.
5. Submit (4) drawn down samples to designer for approval.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-PT6.1 (Blue)

COLORWAY: Blue Scheme

AREA: Public Areas: Corridor, Elevator Lobby

MANUFACTURER:

SHERWIN WILLIAMS
Andy Flippin
P 404-304-3834 (c) / 678-942-5871 (direct) / P
678-942-4200 (main)
F 678-261-6769
E andrew.flippin@sherwin.com
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
www.sherwin-williams.com

REP FIRM:

SPEC NO: SP-PT8.1

DESCRIPTION: Paint - Trim Paint at Corridor Door, Wall Mounted Grilles, and
Louvers in Corridors, and Elevator Lobby

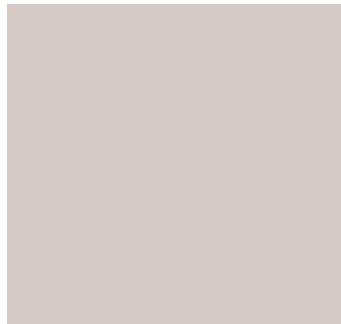
COLOR NAME: Pediment

COLOR NUMBER: SW 7634

FINISH: Semi-Gloss

CONTENT: Interior Alkyd Paint

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Paint to be low order / low VOC.
3. General Contractor to determine required paint quantity.
4. Refer to drawings for location.
5. Submit (4) drawn down samples to designer for approval.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-PT8.1

COLORWAY: Blue Scheme

AREA: Public Areas: Corridor

MANUFACTURER:

SHERWIN WILLIAMS
Andy Flippin
P 404-304-3834 (c) / 678-942-5871 (direct) / P
678-942-4200 (main)
F 678-261-6769
E andrew.flippin@sherwin.com
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
www.sherwin-williams.com

REP FIRM:

SPEC NO: SP-PT9.1 (Blue)
DESCRIPTION: Paint - Corridor Door Paint (Blue Scheme)
COLOR NAME: Debonair
COLOR NUMBER: SW 9139
FINISH: Semi-Gloss

CONTENT: Interior Alkyd Paint

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Paint to be low order / low VOC.
3. General Contractor to determine required paint quantity.
4. Refer to drawings for location.
5. Submit (4) drawn down samples to designer for approval.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-PT9.1 (Blue)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Fitness Center

MANUFACTURER:

SHAW HOSPITALITY GROUP
Kathlene Moyer
P 404-313-9749

E kathlene.moyer@shawcontract.com

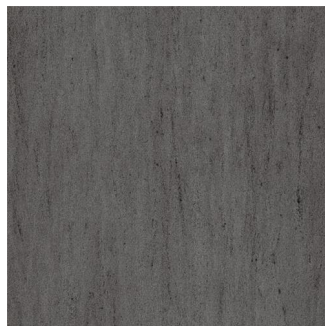
www.shawhospitalitygroup.com

REP FIRM:

SPEC NO: SP-RF1.1
DESCRIPTION: Vinyl Flooring
SERIES Unite
MODEL NO: BS298 / 27585
DIMENSIONS: 9"x48"

ADHESIVE: Shaw 4100 or S150
CONSTRUCTION: Commercial Luxury Vinyl Tile with Fiberglass
IMPORTANT: 2 Week lead time
INSTALLATION: Loose lay stagger, glue down
THICKNESS: 5.0 mm
WEAR LAYER: 20 mil

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. UNDERLAYMENT: Designer / Architect to determine if underlayment is required to meet 55 IIC within the floor / ceiling assembly. Refer to SP-LVT1.1P for underlayment specification.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	3	SP-RF1.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. Product to be of contract quality and suitable for commercial use.
4. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for on-site measurements.
5. Refer to drawings for location.
6. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
7. Floor surface should be undamaged, smooth, clean, dry, structurally sound and free of mold, mildew, grease, or stains for best installation results.
8. Dilution of adhesive is not recommended.
9. Renovation properties: A change in floor level will occur when removing carpet and installing LVT which leave a gap between the door frame and finished floor. A recommended solution is to grout and caulk the gap.
10. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
11. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

2/28/2022

REV. NO:

3

SPEC NO:

SP-RF1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Fitness Center

MANUFACTURER:

DURKAN, A DIVISION OF MOHAWK
P 800-981-2009 (Customer Service)

508 East Morris Street
Dalton, GA 30721
www.durkan.com

REP FIRM:

Dawn Morris
PH: 404-376-4031
dawn_morris@mohawkind.com

SPEC NO: SP-RF1.2

DESCRIPTION: Vinyl Flooring

MODEL NO: SBL02

BASE: Use SP-B6.1.2 for base

ADHESIVE: M95.0 Resilient flooring adhesive

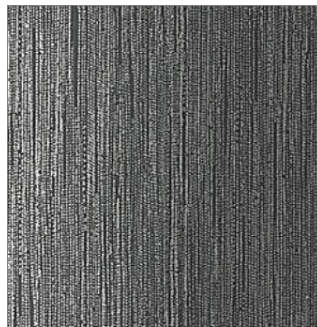
CONSTRUCTION: Commercial Grade Loose Lay Luxury Vinyl Tile

INSTALLATION: Loose lay with glue to be at perimeter and within every 10' grid.

THICKNESS: 5 mm

WEAR LAYER: 20 mil

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. UNDERLAYMENT: Designer / Architect to determine if underlayment is required to meet 55 IIC within the floor / ceiling assembly. Refer to SP-LVT1.2P for underlayment specification.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
3. Product to be of contract quality and suitable for commercial use.
4. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for on-site measurements.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-RF1.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Refer to drawings for location.
6. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
7. Floor surface should be undamaged, smooth, clean, dry, structurally sound and free of mold, mildew, grease, or stains for best installation results.
8. Dilution of adhesive is not recommended.
9. Renovation properties: A change in floor level will occur when removing carpet and installing LVT which leave a gap between the door frame and finished floor. A recommended solution is to grout and caulk the gap.
10. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
11. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-RF1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Buffet Area, Front Desk Area, Public Restrooms, Fitness Center, Lobby, Pantry

MANUFACTURER:

SILESTONE
P 786 686 5060 / P 877 532 6394

E CS@cosentino.com
355 Alhambra Circle, Suite 1000
Coral Gables, FL 33134
silestone.usa.com

REP FIRM:

SPEC NO: SP-ST1.1
DESCRIPTION: Quartz -Countertop at Welcome Desk; Countertop at Pantry;
Countertop at Gathering Table; Countertop at Trash Millwork;
Countertop at Buffet; Countertop at Fitness Center; Countertop at Bar
SERIES Eternal Collection
MODEL NO: Calcutta Gold
CONTENT: 94% Quartz bonded with resins and other adhesives
EDGE: Eased
FINISH: Polished
THICKNESS: 3cm

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Quartz to be installed by General Contractor according to manufacturer's directions for all warranties to apply.
3. Refer to drawings for locations and direction of grain/pattern.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-ST1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Refer to drawings for location.
5. Installer to field verify measurements and verify quantity prior to ordering.
6. Edge at cut-outs: 3/16" radius.
7. Stone top to be pre-cut prior to shipment for kitchen sink and cook-top. Refer to manufacturer's cut-out templates for detail cut out dimensions. Installer to verify all dimensions in field and on manufacturer's installation templates.
8. Installation to be per manufacturer's instructions.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-ST1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Bar, Lobby, Pantry

MANUFACTURER:

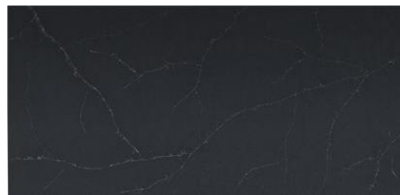
CERAMIC TECHNICS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO: SP-ST3.1
DESCRIPTION: Porcelain -Porcelain Solid Surface at Fireplace Hearth; Pantry
Toekick; Bar Toekick
MODEL NO: Sienna Level Nero Imperiale
EDGE: Eased
FINISH: Polished
MATERIALS: Quartz
THICKNESS: 12 mm (15/32 in.)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Coordinating incorner and outcorner tiles are also available through contracted supplier.
2. Product to be of contract quality and suitable for commercial use.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels and other public spaces.
4. Quantity to be verified prior to order.
5. Installation Method: TCNA W243; TCNA F113; TCNA F113A; Medium Set; TCNA C311

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	3	SP-ST3.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Reference drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	3	SP-ST3.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Buffet Area, Entry Vestibule, Lobby, Pantry, Elevator Lobby

MANUFACTURER:

CERAMIC TECHNICS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO: SP-T1.1

DESCRIPTION: Floor Tile -throughout Public Area and Buffet for Blue and Taupe Schemes

MODEL NO: Porcelain Solutions

DIMENSIONS: 8" x 40"

FINISH/COLOR: Matte / Contemporary White

GROUT: 1/8" Grout Joints; Laticrete #24 Natural Grey or Custom Building Products #183 Chateau

INSTALLATION: Lobby, Great Room, Pantry: Herringbone Installation; Entry Vestibule, Buffet: Running Bond Installation; Overlap not to exceed 30% of adjacent row.

THICKNESS: 5/16"

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.

ISSUE DATE:

11/6/2019

REVISION DATE:

11/10/2021

REV. NO:

4

SPEC NO:

SP-T1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. Quantity to be verified prior to order.
4. Installation Method: TCNA W243; TCNA F113; TCNA F113A; Medium Set; TCNA C311.
5. Manufacturer to clearly mark each carton with item ID and specification number.
6. Refer to SP-B1 for base specification.
7. Reference drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	4	SP-T1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Indoor Pool Area

MANUFACTURER:

CERAMIC TECHNICS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

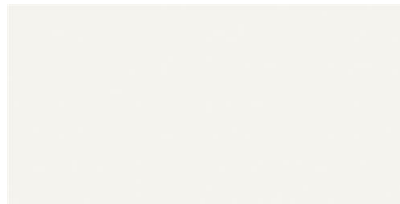
E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO: SP-T10.1
DESCRIPTION: Wall Tile - at Indoor Pool
MODEL NO: Palma Ivory
DIMENSIONS: 12" x 24" Rectified

FINISH/COLOR: Polished / Ivory
GROUT: 1/8" Grout Joint; Mapei 107 Iron
INSTALLATION: Horizontal Stack; 48" height AFF
THICKNESS: 9.8mm

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
3. Quantity to be verified prior to order.
4. Installation Method: TCNA W243; TCNA F113; TCNA F113A; Medium Set; TCNA C311.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	2/28/2022	3	SP-T10.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Manufacturer to clearly mark each carton with item ID and specification number.
6. Reference drawings for location.

ISSUE DATE:

6/15/2020

REVISION DATE:

2/28/2022

REV. NO:

3

SPEC NO:

SP-T10.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Heart of House: Kitchen

MANUFACTURER:

CERAMIC TECHNICS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO: SP-T11.1
DESCRIPTION: Quarry Tile - for BOH Kitchen
MODEL NO: Essentials Natural Quarry 1322-ON46661P
DIMENSIONS: 6" x 6"

GROUT: Epoxy grout recommended; Grout joint: 1/8". Grout color: Laticrete "35 Mocha"
INSTALLATION: Square grid
FINISH: Textured / Shadow Gray N46
THICKNESS: 1/2"
TYPE: Quarry tile

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Tile to be of contract quality and suitable for commercial use.
2. Tile to meet or exceed the following requirements: Coefficient of Friction: Dry 0.42, Wet 0.42.
3. Installer to verify quantity ordered.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-T11.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Manufacturer to provide finish samples for approval prior to production.
5. Manufacturer to clearly mark each carton with item ID and specification number.
6. Refer to SP-B3 for coordinating tile base specification.
7. Reference drawings for location.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-T11.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

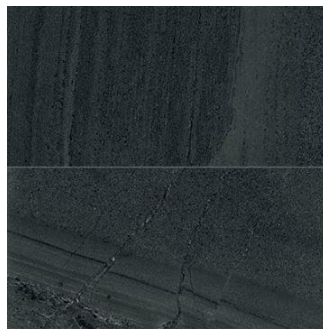
CERAMIC TECHNIQS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO: SP-T2.1
DESCRIPTION: Floor Tile -at Public Restrooms for Blue and Taupe Schemes
MODEL NO: Porcelain Solutions US Limestone
DIMENSIONS: 12"x 24" Rectified
FINISH/COLOR: Natural / Black
GROUT: 1/8" Grout Joint; Mapei Ultracolor Plus 47 Charcoal.
THICKNESS: 9mm (3/8 in.)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
3. Quantity to be verified prior to order.
4. Installation Method: TCNA W243; TCNA F113; TCNA F113A; Medium Set; TCNA C311.
5. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	4	SP-T2.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Refer to SP-B2 for tile base specification.
7. Reference drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	4	SP-T2.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Lobby

MANUFACTURER:

CERAMIC TECHNICS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO: SP-T3.1
DESCRIPTION: Wall Tile - at Gathering Table Feature Wall for Blue and Taupe Schemes
MODEL NO: Sienna Brickworks
DIMENSIONS: 2-1/2" x 10"
FINISH/COLOR: Natural / White
GROUT: 1/8" Grout Joint; Mapei 107 Iron
INSTALLATION: Stacked Bond
THICKNESS: 9mm (3/8")

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
3. Quantity to be verified prior to order.
4. Installation Method: TCNA W243; TCNA F113; TCNA F113A; Medium Set; TCNA C311.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	3	SP-T3.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Manufacturer to clearly mark each carton with item ID and specification number.
6. Reference drawings for location.

ISSUE DATE:

11/6/2019

REVISION DATE:

11/10/2021

REV. NO:

3

SPEC NO:

SP-T3.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Buffet Area

MANUFACTURER:

CERAMIC TECHNICS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO: SP-T4.1
DESCRIPTION: Wall Tile at Buffet - Blue Scheme
MODEL NO: Sassuolo Organic Brick
DIMENSIONS: 3" x 12"

FINISH/COLOR: Glossy / Ice
GROUT: 1/8" Grout Joint; Mapei 107 Iron
INSTALLATION: Herringbone
THICKNESS: 9mm (3/8")

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
3. Quantity to be verified prior to order.
4. Installation Method: TCNA W243; TCNA F113; TCNA F113A; Medium Set; TCNA C311.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	3	SP-T4.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Manufacturer to clearly mark each carton with item ID and specification number.
6. Reference drawings for location.

ISSUE DATE:

11/6/2019

REVISION DATE:

11/10/2021

REV. NO:

3

SPEC NO:

SP-T4.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

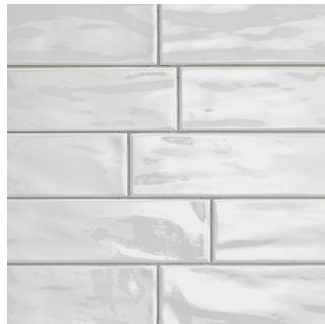
CERAMIC TECHNICS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO: SP-T5.1
DESCRIPTION: Wall Tile - at Public Restrooms for Blue and Taupe Schemes
MODEL NO: Sassuolo Organic Brick
DIMENSIONS: 3" x 12"
FINISH/COLOR: Glossy / White
GROUT: 1/8" Grout Joint; Mapei 107 Iron
INSTALLATION: Stacked Bond
THICKNESS: 9mm (3/8")

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
3. Quantity to be verified prior to order.
4. Installation Method: TCNA W243; TCNA F113; TCNA F113A; Medium Set; TCNA C311.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	3	SP-T5.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Manufacturer to clearly mark each carton with item ID and specification number.
6. Reference drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	3	SP-T5.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Great Room

MANUFACTURER:

CERAMIC TECHNICS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

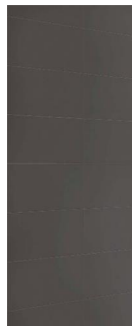
E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO: SP-T50.1
DESCRIPTION: Wall Tile - for Renovation
MODEL NO: Lucerna Modern Wall
DIMENSIONS: 12" x 36" Rectified

FINISH/COLOR: Natural / Antracite
GROUT: 1/8" Grout Joint; Mapei 47 Charcoal
INSTALLATION: Horizontal 1/3 Offset; Refer to Great Room elevation for orientation
LOCATION: Fireplace
THICKNESS: 10mm

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
3. Quantity to be verified prior to order.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-T50.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Installation Method: TCNA W243; TCNA F113; TCNA F113A; Medium Set; TCNA C311.
5. Manufacturer to clearly mark each carton with item ID and specification number.
6. Refer to SG-TR51 and SG-TR52 for trim.
7. Reference drawings for location.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-T50.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Great Room

MANUFACTURER:

CERAMIC TECHNICS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO:	SP-T51.1
DESCRIPTION:	Wall Tile - for Renovation
MODEL NO:	Sassuolo Dimensional Surfaces
DIMENSIONS:	16" x 32" Rectified
FINISH/COLOR:	Matte / Deep Blue Chevron
GROUT:	1/8" Grout Joint; Mapei 10 Black
INSTALLATION:	Vertical Stacked; Refer to All Day Coffee elevation for orientation
LOCATION:	All Day Coffee
THICKNESS:	8.5mm

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
3. Quantity to be verified prior to order.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-T51.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Installation Method: TCNA W243; TCNA F113; TCNA F113A; Medium Set; TCNA C311.
5. Manufacturer to clearly mark each carton with item ID and specification number.
6. Refer to SG-TR53 for trim.
7. Reference drawings for location.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-T51.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Buffet Area

MANUFACTURER:

CERAMIC TECHNICS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO: SP-T52.1.1
DESCRIPTION: Wall Tile - Option for Renovation Only
MODEL NO: Sassuolo Organic Brick
DIMENSIONS: 3" x 12"

FINISH/COLOR: Matte / Sand
GROUT: 1/8" Grout Joint; Mapei 39 Ivory
INSTALLATION: Herringbone; Refer to Buffet elevation for orientation
LOCATION: Buffet
THICKNESS: 9mm (3/8")

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
3. Quantity to be verified prior to order.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-T52.1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Installation Method: TCNA W243; TCNA F113; TCNA F113A; Medium Set; TCNA C311.
5. Manufacturer to clearly mark each carton with item ID and specification number.
6. Reference drawings for location.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-T52.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Buffet Area

MANUFACTURER:

CERAMIC TECHNICS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO: SP-T52.2.1
DESCRIPTION: Wall Tile - Option for Renovation Only
MODEL NO: Sassuolo Organic Brick
DIMENSIONS: 3" x 12"

FINISH/COLOR: Matte / Smoke
GROUT: 1/8" Grout Joint; Custom 165 Delorean Gray
INSTALLATION: Herringbone; Refer to Buffet elevation for orientation
LOCATION: Buffet
THICKNESS: 9mm (3/8")

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
3. Quantity to be verified prior to order.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-T52.2.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Installation Method: TCNA W243; TCNA F113; TCNA F113A; Medium Set; TCNA C311.
5. Manufacturer to clearly mark each carton with item ID and specification number.
6. Reference drawings for location.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-T52.2.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Lobby

MANUFACTURER:

CERAMIC TECHNICS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO: SP-T7.1
DESCRIPTION: Wall Tile - at Fireplace for Blue and Taupe Schemes
MODEL NO: Bari Mineral Stone
DIMENSIONS: 12"x 24" Rectified

FINISH: R11 Grip / Lake
GROUT: 1/8" Grout Joint; Mapei Ultracolor Plus 47 Charcoal
INSTALLATION: Stacked Bond
THICKNESS: 10mm (3/8")

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
3. Quantity to be verified prior to order.
4. Installation Method: TCNA W243; TCNA F113; TCNA F113A; Medium Set; TCNA C311.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	4	SP-T7.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Manufacturer to clearly mark each carton with item ID and specification number.
6. Reference drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	4	SP-T7.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CERAMIC TECHNICS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO: SP-T8.1

DESCRIPTION: Floor Tile - at Indoor Pool

MODEL NO: Bari Mineral Stone

DIMENSIONS: 12"x 24" Rectified

FINISH/COLOR: R11 Grip / Lake

GROUT: 1/8" Grout Joint; Mapei Ultracolor Plus 47 Charcoal

INSTALLATION: 1/3 Offset

THICKNESS: 10mm (3/8")

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
3. Quantity to be verified prior to order.
4. Installation Method: TCNA W243; TCNA F113; TCNA F113A; Medium Set; TCNA C311.

ISSUE DATE:

6/15/2020

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-T8.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Floor tile for pool must meet ANSI A 137.1-2012 (Section 9.6).
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Reference drawings for location.

ISSUE DATE:

6/15/2020

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-T8.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Indoor Pool Area

MANUFACTURER:

CERAMIC TECHNIQS, LTD.
Corey Turnage/Andrea Zaharion
P 804.658.9955 / P 561.310.0859

E cturnage@ceramictechnics.com,
azaharion@ceramictechnics.com
1298 Old Alpharetta Road
Alpharetta, GA 30005
ceramictechnics.com

REP FIRM:

SPEC NO: SP-T9.1

DESCRIPTION: Wall Tile - Accent Feature Wall at Indoor Pool

MODEL NO: Sassuolo Urban Brick

DIMENSIONS: 3" x 12"

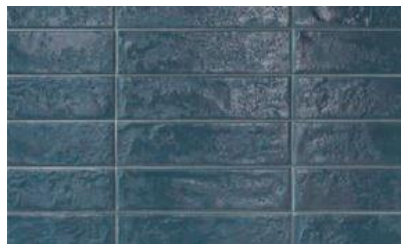
FINISH/COLOR: Glossy / Blu

GROUT: 1/8" Grout Joint; Mapei; 47 Charcoal

INSTALLATION: Vertical Stack; 48" height AFF

THICKNESS: 10mm (3/8" in.)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
3. Quantity to be verified prior to order.
4. Installation Method: TCNA W243; TCNA F113; TCNA F113A; Medium Set; TCNA C311.

ISSUE DATE:

6/15/2020

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-T9.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Manufacturer to clearly mark each carton with item ID and specification number.
6. Reference drawings for location.

ISSUE DATE:

6/15/2020

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-T9.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Buffet Area, Lobby

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SP-TR1.1

DESCRIPTION:

Transition Strip - from Tile to Carpet and Backsplash Transition

DIMENSIONS:

Height to Match Tile Thickness

FINISH:

Satin Anodized Aluminum

IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

LOCATION:

Transition from Lobby Tile to Lobby Carpet; Buffet Backsplash

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. To be contract quality and suitable for commercial use.
2. Must meet or exceed all applicable state and local codes for project location.
3. Quantity to be verified prior to order.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-TR1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Buffet Area, Lobby, Elevator Lobby

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SP-TR2.1

DESCRIPTION:

Transition Strip - Between Floor Tile Patterns

DIMENSIONS:

Height to Match Tile Thickness

FINISH:

Satin Anodized Aluminum

IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

LOCATION:

Transition between Buffet, Lobby, and Elevator Lobby Tile Patterns

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. To be contract quality and suitable for commercial use.
2. Must meet or exceed all applicable state and local codes for project location.
3. Quantity to be verified prior to order.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-TR2.1

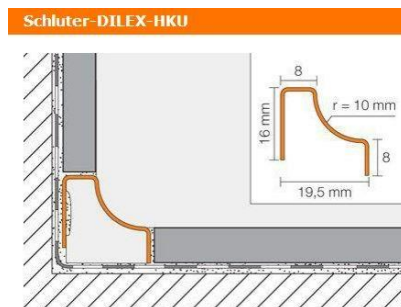
COLORWAY: Blue Scheme
AREA: Heart of House: Kitchen
Public Areas: Indoor Pool Area

MANUFACTURER:

SCHLUTER SYSTEMS
Robert DeAngelis
P 800.472.4588 (Customer Service) / P
813.760.4464 (Robert)
F 800.477.9783
E info@schluter.com; rdeangelis@schluter.com
194 Pleasant Ridge Road
Plattsburgh, NY 12901-5841
www.schluter.com

REP FIRM:

SPEC NO: SP-TR3
DESCRIPTION: Cove at Corner of Wall Tile and Floor Tile - For Kitchen and Indoor Pool Area
MODEL NO: HKUR 10 EB
DIMENSIONS: GC to verify height required for application
COLOR: EB - Brushed Stainless Steel 304
SERIES: DILEX-HKU
Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Reference drawings for location.
3. All materials and methods of construction must comply with local fire and safety codes for use in hotels.
4. Manufacturer to clearly mark each carton with item ID and specification number.
5. Quantity to be verified prior to order.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
1/31/2022			SP-TR3



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Refer to SP-T11 and SP-T10 for Wall Tile specifications.

ISSUE DATE:

1/31/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-TR3

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Great Room

MANUFACTURER:

SCHLUTER SYSTEMS
Robert DeAngelis
P 800.472.4588 (Customer Service) / P
813.760.4464 (Robert)
F 800.477.9783
E info@schluter.com; rdeangelis@schluter.com
194 Pleasant Ridge Road
Plattsburgh, NY 12901-5841
www.schluter.com

REP FIRM:

SPEC NO: SP-TR51.1
DESCRIPTION: Transition Strip - for Renovation
MODEL NO: JOLLY
DIMENSIONS: Height to Match Tile Thickness

FINISH: Polished Brass Anodized
LOCATION: Fireplace Edge

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. To be contract quality and suitable for commercial use.
2. Must meet or exceed all applicable state and local codes for project location.
3. Quantity to be verified prior to order.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.
6. See SG-T50 for tile specification.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-TR51.1

COLORWAY: Blue Scheme

AREA: Public Areas: Great Room

MANUFACTURER:

SCHLUTER SYSTEMS
Robert DeAngelis
P 800.472.4588 (Customer Service) / P
813.760.4464 (Robert)
F 800.477.9783
E info@schluter.com; rdeangelis@schluter.com
194 Pleasant Ridge Road
Plattsburgh, NY 12901-5841
www.schluter.com

REP FIRM:

SPEC NO: SP-TR52.1
DESCRIPTION: Transition Strip - for Renovation at Fireplace
MODEL NO: RONDEC
DIMENSIONS: Height to Match Tile Thickness

FINISH: Polished Brass Anodized
LOCATION: Fireplace Corner

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. To be contract quality and suitable for commercial use.
2. Must meet or exceed all applicable state and local codes for project location.
3. Quantity to be verified prior to order.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.
6. See SG-T50 for tile specification.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-TR52.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Great Room

MANUFACTURER:

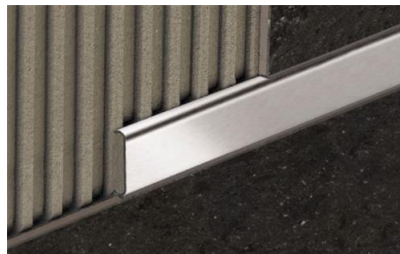
SCHLUTER SYSTEMS
Robert DeAngelis
P 800.472.4588 (Customer Service) / P
813.760.4464 (Robert)
F 800.477.9783
E info@schluter.com; rdeangelis@schluter.com
194 Pleasant Ridge Road
Plattsburgh, NY 12901-5841
www.schluter.com

REP FIRM:

SPEC NO: SP-TR53.1
DESCRIPTION: Transition Strip - for Renovation
MODEL NO: DESIGNLINE
DIMENSIONS: Height to Match Tile Thickness

FINISH: Polished Brass Anodized
LOCATION: All Day Coffee

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. To be contract quality and suitable for commercial use.
2. Must meet or exceed all applicable state and local codes for project location.
3. Quantity to be verified prior to order.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.
6. See SG-T51 for tile specification.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-TR53.1

COLORWAY: Blue Scheme

AREA: Public Areas: Great Room

MANUFACTURER:

SCHLUTER SYSTEMS

Robert DeAngelis

P 800.472.4588 (Customer Service) / P

813.760.4464 (Robert)

F 800.477.9783

E info@schluter.com; rdeangelis@schluter.com

194 Pleasant Ridge Road

Plattsburgh, NY 12901-5841

www.schluter.com

REP FIRM:

SPEC NO: SP-TR54.1

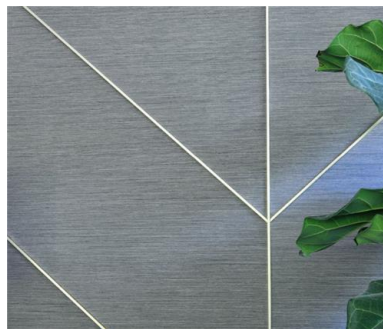
DESCRIPTION: Transition Strip - for Renovation

MODEL NO: ScribeLine

FINISH: Satin Brass Anodized

LOCATION: Living Room

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. To be contract quality and suitable for commercial use.
2. Must meet or exceed all applicable state and local codes for project location.
3. Quantity to be verified prior to order.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.
6. See SG-T51 for tile specification.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-TR54.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Bar, Buffet Area, Elevator Lobby, Lobby, Pantry, Public Restrooms

MANUFACTURER:

MDC WALLCOVERINGS
P 847-437-4000 / P 800-621-4006

E mdcnationalaccounts@mdcwall.com
400 High Grove Boulevard
Glendale Heights, IL 60139
www.mdcwall.com

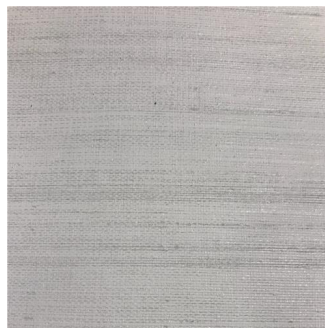
REP FIRM:

MDC Wallcoverings
Thomas Whitaker (Eastern
Region) | Kate Funk (Western
Region)
PH: 678-478-1500 | 408-825-
3750
twhitaker@mdcwall.com |
kfunk@mdcwall.com

SPEC NO: SP-WC1.1
DESCRIPTION: Wallcovering - at Main Lobby Area
MODEL NO: BETA18018
COLOR NAME: Off White
PATTERN NAME: Horizontal Silk Point
WIDTH: 54"

ADHESIVE: Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING: Osnauburg Woven
BOLT SIZE: 30 Linear Yards
CONTENT: 100% Vinyl
DURABILITY: Class A (ASTM E84)
INSTALLATION: Straight Match
LOCATION: Bar; Buffet Area; Elevator Lobby, Lobby, Pantry, Public Restrooms
REPEAT: Half Drop
WEIGHT: 20 oz/linear yard
TYPE: Type II

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-WC1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and safety codes for use in hotels.
3. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for onsite measurements.
4. Refer to drawing for location.
5. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
6. Wall to be Level 4 finish.
7. Wallcovering must meet or exceed the following requirements: 20oz. Type II, Class A ASTM E-84, exceed 40 hours Class 5 (AATCC-16-40) for lightfastness.
8. Manufacturer to clearly mark each carton with item ID and specification number.
9. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-WC1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Bar, Buffet Area, Elevator Lobby, Lobby, Pantry, Public Restrooms

MANUFACTURER:

U.S. VINYL MANUFACTURING
CORPORATION
P 800-633-6425 / P 706 638-8400
F 706-638-0137
E Customerservice@usvinyl.com
1766 Broomtown Rd
LaFayette, GA 30728
www.usvinyl.com

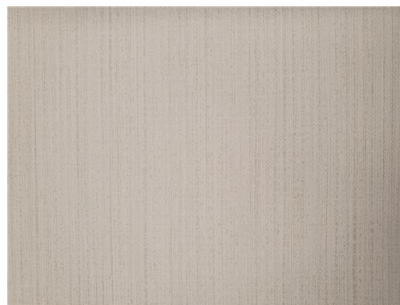
REP FIRM:

Spec Me Please, Inc
Lance Sheppard
PH: 770-596-6656
lance@specmeplease.com

SPEC NO: SP-WC1.2
DESCRIPTION: Wallcovering - at Main Lobby Area
MODEL NO: HVS-10390/TANPP
PATTERN NAME: Lineage
WIDTH: 54"

ADHESIVE: Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING: Woven Poly/Cotton
BOLT SIZE: 50 linear yards
CONTENT: 100% PVC Film Base – Contains Up To 10% Pre-Consumer Recycled Content
FLAMMABILITY: Class A (ASTM E84)
INSTALLATION: Reversible Installation
LOCATION: Bar; Buffet Area; Elevator Lobby, Lobby, Pantry, Public Restrooms
PATTERN / STRIKE-OFF: Q185/352/276 LW Tapestry
REPEAT: Random
WEIGHT: 21 oz/linear yard
TYPE: Type II

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-WC1.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and safety codes for use in hotels.
3. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for onsite measurements.
4. Refer to drawing for location.
5. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
6. Wall to be Level 4 finish.
7. Wallcovering must meet or exceed the following requirements: 20oz. Type II, Class A ASTM E-84, exceed 40 hours Class 5 (AATCC-16-40) for lightfastness.
8. Manufacturer to clearly mark each carton with item ID and specification number.
9. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-WC1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Lobby

MANUFACTURER:

MDC WALLCOVERINGS
P 847-437-4000 / P 800-621-4006

E mdcnationalaccounts@mdcwall.com
400 High Grove Boulevard
Glendale Heights, IL 60139
www.mdcwall.com

REP FIRM:

MDC Wallcoverings
Thomas Whitaker (Eastern
Region) | Kate Funk (Western
Region)
PH: 678-478-1500 | 408-825-
3750
twhitaker@mdcwall.com |
kfunk@mdcwall.com

SPEC NO:	SP-WC2.1
DESCRIPTION:	Wallcovering - at Lobby Coffee Niche
MODEL NO:	BETA18009
COLOR NAME:	Sage
PATTERN NAME:	Pattern Horizontal Block Emboss
WIDTH:	54"
ADHESIVE:	Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING:	Osnaburg Woven
BOLT SIZE:	30 Linear Yards
CONTENT:	100% Vinyl
FLAMMABILITY:	Class A (ASTM E84)
INSTALLATION:	Straight Across Match
REPEAT:	27" V
WEIGHT:	21 oz/linear yard
TYPE:	Type II

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-WC2.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and safety codes for use in hotels.
3. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for onsite measurements.
4. Refer to drawing for location.
5. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
6. Wall to be Level 4 finish.
7. Wallcovering must meet or exceed the following requirements: 20oz. Type II, Class A ASTM E-84, exceed 40 hours Class 5 (AATCC-16-40) for lightfastness.
8. Manufacturer to clearly mark each carton with item ID and specification number.
9. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-WC2.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Lobby

MANUFACTURER:

U.S. VINYL MANUFACTURING
CORPORATION
P 800-633-6425 / P 706 638-8400
F 706-638-0137
E Customerservice@usvinyl.com
1766 Broomtown Rd
LaFayette, GA 30728
www.usvinyl.com

REP FIRM:

Spec Me Please, Inc
Lance Sheppard
PH: 770-596-6656
lance@specmeplease.com

SPEC NO: SP-WC2.2
DESCRIPTION: Wallcovering - at Lobby Coffee Niche
MODEL NO: HVS-10384/TANPP
PATTERN NAME: Forge
WIDTH: 54"

ADHESIVE: Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING: Woven Poly/Cotton
BOLT SIZE: 50 linear yards
CONTENT: 100% PVC Film Base – Contains Up To 10% Pre-Consumer Recycled Content

FLAMMABILITY: Class A (ASTM E84)
INSTALLATION: Reversible Installation
PATTERN / STRIKE-OFF: Q185/217 DK GRAY / Flax
REPEAT: Straight Across Pattern Match
WEIGHT: 21 oz/linear yard
TYPE: Type II

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-WC2.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and safety codes for use in hotels.
3. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for onsite measurements.
4. Refer to drawing for location.
5. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
6. Wall to be Level 4 finish.
7. Wallcovering must meet or exceed the following requirements: 20oz. Type II, Class A ASTM E-84, exceed 40 hours Class 5 (AATCC-16-40) for lightfastness.
8. Manufacturer to clearly mark each carton with item ID and specification number.
9. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-WC2.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Corridor

MANUFACTURER:

MDC WALLCOVERINGS
P 847-437-4000 / P 800-621-4006

E mdcnationalaccounts@mdcwall.com
400 High Grove Boulevard
Glendale Heights, IL 60139
www.mdcwall.com

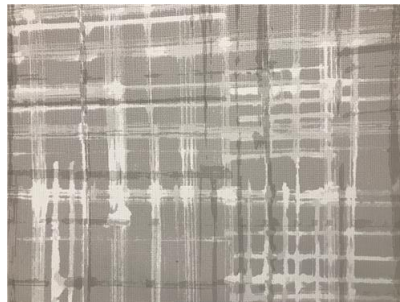
REP FIRM:

MDC Wallcoverings
Thomas Whitaker (Eastern
Region) | Kate Funk (Western
Region)
PH: 678-478-1500 | 408-825-
3750
twhitaker@mdcwall.com |
kfunk@mdcwall.com

SPEC NO: SP-WC4.1
DESCRIPTION: Wallcovering - at Main Corridor
MODEL NO: BETA18017
COLOR NAME: Taupe/Grey
PATTERN NAME: Taupe Plaid
WIDTH: 54"

ADHESIVE: Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING: Osnauburg Woven
BOLT SIZE: 30 Linear Yards
CONTENT: 100% Vinyl
FLAMMABILITY: Class A (ASTM E84)
REPEAT: 27" V
WEIGHT: 20 oz/linear yard
IMPORTANT: Straight Across Match
TYPE: Type II

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-WC4.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and safety codes for use in hotels.
3. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for onsite measurements.
4. Refer to drawing for location.
5. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
6. Wall to be Level 4 finish.
7. Wallcovering must meet or exceed the following requirements: 20oz. Type II, Class A ASTM E-84, exceed 40 hours Class 5 (AATCC-16-40) for lightfastness.
8. Manufacturer to clearly mark each carton with item ID and specification number.
9. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-WC4.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Corridor

MANUFACTURER:

U.S. VINYL MANUFACTURING
CORPORATION
P 800-633-6425 / P 706 638-8400
F 706-638-0137
E Customerservice@usvinyl.com
1766 Broomtown Rd
LaFayette, GA 30728
www.usvinyl.com

REP FIRM:

Spec Me Please, Inc
Lance Sheppard
PH: 770-596-6656
lance@specmeplease.com

SPEC NO: SP-WC4.2
DESCRIPTION: Wallcovering - at Main Corridor
MODEL NO: HVS-10392/TANPP
PATTERN NAME: Harlem
WIDTH: 54"

ADHESIVE: Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING: Woven Poly/Cotton
BOLT SIZE: 50 linear yards
CONTENT: 100% PVC Film Base – Contains Up To 10% Pre-Consumer Recycled Content

FLAMMABILITY: Class A (ASTM E84)
INSTALLATION: Reversible Installation
PATTERN / STRIKE-OFF: Q185/SP-10392/146 WW Horizontal String
REPEAT: Random
WEIGHT: 21 oz/linear yard
TYPE: Type II

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-WC4.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

NOTES:

1. Contractor to verify quantity of materials required prior to placing order for goods.
2. To be of contract quality and suitable for commercial use.
3. Must meet all state and local flammability requirements for property location.
4. Manufacturer must provide certificate of flame spread rating, smoke develop rating, and fuel contribution as tested in accordance to ASTM-E84 test.
5. Use mildew resistant adhesive.
6. Installation to be per manufacturer's instructions.
7. Refer to drawings for location.
8. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-WC4.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Corridor

MANUFACTURER:

MDC WALLCOVERINGS
P 847-437-4000 / P 800-621-4006

E mdcnationalaccounts@mdcwall.com
400 High Grove Boulevard
Glendale Heights, IL 60139
www.mdcwall.com

REP FIRM:

MDC Wallcoverings
Thomas Whitaker (Eastern
Region) | Kate Funk (Western
Region)
PH: 678-478-1500 | 408-825-
3750
twhitaker@mdcwall.com |
kfunk@mdcwall.com

SPEC NO:	SP-WC5.1
DESCRIPTION:	Wallcovering - at Corridor Door Drop
MODEL NO:	BETA18008
COLOR NAME:	Dark Brown
PATTERN NAME:	Textured Wood look
WIDTH:	54"
ADHESIVE:	Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING:	Osnaburg Woven
BOLT SIZE:	30 Linear Yards
CONTENT:	100% Vinyl
FLAMMABILITY:	Class A (ASTM E84)
INSTALLATION:	Straight Across Match
REPEAT:	27" V
WEIGHT:	21 oz/linear yard
TYPE:	Type II

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-WC5.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and safety codes for use in hotels.
3. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for onsite measurements.
4. Refer to drawing for location.
5. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
6. Wall to be Level 4 finish.
7. Wallcovering must meet or exceed the following requirements: 20oz. Type II, Class A ASTM E-84, exceed 40 hours Class 5 (AATCC-16-40) for lightfastness.
8. Manufacturer to clearly mark each carton with item ID and specification number.
9. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-WC5.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Corridor

MANUFACTURER:

U.S. VINYL MANUFACTURING
CORPORATION
P 800-633-6425 / P 706 638-8400
F 706-638-0137
E Customerservice@usvinyl.com
1766 Broomtown Rd
LaFayette, GA 30728
www.usvinyl.com

REP FIRM:

Spec Me Please, Inc
Lance Sheppard
PH: 770-596-6656
lance@specmeplease.com

SPEC NO:	SP-WC5.2
DESCRIPTION:	Wallcovering - at Corridor Door Drop
MODEL NO:	HVS-10385/TANPP
PATTERN NAME:	Espresso Ash
REPEAT:	54"
ADHESIVE:	Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING:	Woven Poly/Cotton
BOLT SIZE:	50 linear yards
CONTENT:	100% PVC Film Base – Contains Up To 10% Pre-Consumer Recycled Content
FLAMMABILITY:	Class A (ASTM E84)
INSTALLATION:	Non-Reversible Installation
PATTERN / STRIKE-OFF:	Q185/ SA DK Gray Foshan Weave
REPEAT:	Random
WEIGHT:	21 oz/linear yard
TYPE:	Type II

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-WC5.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and safety codes for use in hotels.
3. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for onsite measurements.
4. Refer to drawing for location.
5. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
6. Wall to be Level 4 finish.
7. Wallcovering must meet or exceed the following requirements: 20oz. Type II, Class A ASTM E-84, exceed 40 hours Class 5 (AATCC-16-40) for lightfastness.
8. Manufacturer to clearly mark each carton with item ID and specification number.
9. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-WC5.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

MDC WALLCOVERINGS
P 847-437-4000 / P 800-621-4006

E mdcnationalaccounts@mdcwall.com
400 High Grove Boulevard
Glendale Heights, IL 60139
www.mdcwall.com

REP FIRM:

MDC Wallcoverings
Thomas Whitaker (Eastern
Region) | Kate Funk (Western
Region)
PH: 678-478-1500 | 408-825-
3750
twhitaker@mdcwall.com |
kfunk@mdcwall.com

SPEC NO: SP-WC50.1 (Blue)
DESCRIPTION: Wallcovering - for Renovation (Blue Scheme)
MODEL NO: ALPHA 8032
COLOR NAME: Onyx
WIDTH: 52/54"

ADHESIVE: Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING: Osnaburg
CONTENT: Fabric-backed Vinyl
FLAMMABILITY: Class A (ASTM E84)
INSTALLATION: Reversible straight across match
LOCATION: Business Center and Living Room
TYPE: Type II
WEIGHT: 20 oz/linear yard

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-WC50.1 (Blue)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. All materials and methods of construction must comply with local fire and safety codes for use in hotels.
3. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for onsite measurements.
4. Refer to drawing for location.
5. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
6. Wall to be Level 4 finish.
7. Wallcovering must meet or exceed the following requirements: 20oz. Type II, Class A ASTM E-84, exceed 40 hours Class 5 (AATCC-16-40) for lightfastness.
8. Manufacturer to clearly mark each carton with item ID and specification number.
9. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-WC50.1 (Blue)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

U.S. VINYL MANUFACTURING
CORPORATION
P 800-633-6425 / P 706 638-8400
F 706-638-0137
E Customerservice@usvinyl.com
1766 Broomtown Rd
LaFayette, GA 30728
www.usvinyl.com

REP FIRM:

Spec Me Please, Inc
Lance Sheppard
PH: 770-596-6656
lance@specmeplease.com

SPEC NO:	SP-WC50.2 (Blue)
DESCRIPTION:	Wallcovering - for Renovation (Blue Scheme)
MODEL NO:	HVS-10745/2
COLOR NAME:	Cadet-Blue
WIDTH:	54"
ADHESIVE:	Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING:	Scrim
CONTENT:	Fabric-backed Vinyl
FLAMMABILITY:	Class A (ASTM E84)
INSTALLATION:	Straight Match, Reversible
LOCATION:	Business Center and Living Room
WEIGHT:	21 oz/linear yard
TYPE:	Type II

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-WC50.2 (Blue)



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. All materials and methods of construction must comply with local fire and safety codes for use in hotels.
3. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for onsite measurements.
4. Refer to drawing for location.
5. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
6. Wall to be Level 4 finish.
7. Wallcovering must meet or exceed the following requirements: 20oz. Type II, Class A ASTM E-84, exceed 40 hours Class 5 (AATCC-16-40) for lightfastness.
8. Manufacturer to clearly mark each carton with item ID and specification number.
9. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-WC50.2 (Blue)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

MDC WALLCOVERINGS
P 847-437-4000 / P 800-621-4006

E mdcnationalaccounts@mdcwall.com
400 High Grove Boulevard
Glendale Heights, IL 60139
www.mdcwall.com

REP FIRM:

MDC Wallcoverings
Thomas Whitaker (Eastern
Region) | Kate Funk (Western
Region)
PH: 678-478-1500 | 408-825-
3750
twhitaker@mdcwall.com |
kfunk@mdcwall.com

SPEC NO: SP-WC51.1 (Blue)
DESCRIPTION: Wallcovering - for Renovation (Blue Scheme)
MODEL NO: ALPHA 8033
COLOR NAME: Night Blue
WIDTH: 54"

ADHESIVE: Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING: Osnapburg
CONTENT: Fabric-backed Vinyl
FLAMMABILITY: Class A (ASTM E84)
INSTALLATION: Pattern Match Random reversible
LOCATION: Living Room and Lobby
WEIGHT: 20 oz/linear yard
TYPE: Type II

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-WC51.1 (Blue)



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. All materials and methods of construction must comply with local fire and safety codes for use in hotels.
3. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for onsite measurements.
4. Refer to drawing for location.
5. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
6. Wall to be Level 4 finish.
7. Wallcovering must meet or exceed the following requirements: 20oz. Type II, Class A ASTM E-84, exceed 40 hours Class 5 (AATCC-16-40) for lightfastness.
8. Manufacturer to clearly mark each carton with item ID and specification number.
9. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-WC51.1 (Blue)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

U.S. VINYL MANUFACTURING
CORPORATION
P 800-633-6425 / P 706 638-8400
F 706-638-0137
E Customerservice@usvinyl.com
1766 Broomtown Rd
LaFayette, GA 30728
www.usvinyl.com

REP FIRM:

Spec Me Please, Inc
Lance Sheppard
PH: 770-596-6656
lance@specmeplease.com

SPEC NO: SP-WC51.2 (Blue)
DESCRIPTION: Wallcovering - for Renovation (Blue Scheme)
MODEL NO: HVS-105443/1
COLOR NAME: True-Blue
WIDTH: 54"

ADHESIVE: Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING: Scrim
CONTENT: Fabric-backed Vinyl
FLAMMABILITY: Class A (ASTM E84)
INSTALLATION: Reversible, Random
LOCATION: Living Room and Lobby
WEIGHT: 21 oz/linear yard
TYPE: Type II

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-WC51.2 (Blue)



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. All materials and methods of construction must comply with local fire and safety codes for use in hotels.
3. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for onsite measurements.
4. Refer to drawing for location.
5. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
6. Wall to be Level 4 finish.
7. Wallcovering must meet or exceed the following requirements: 20oz. Type II, Class A ASTM E-84, exceed 40 hours Class 5 (AATCC-16-40) for lightfastness.
8. Manufacturer to clearly mark each carton with item ID and specification number.
9. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-WC51.2 (Blue)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Lobby

MANUFACTURER:

MDC WALLCOVERINGS
P 847-437-4000 / P 800-621-4006

E mdcnationalaccounts@mdcwall.com
400 High Grove Boulevard
Glendale Heights, IL 60139
www.mdcwall.com

REP FIRM:

MDC Wallcoverings
Thomas Whitaker (Eastern
Region) | Kate Funk (Western
Region)
PH: 678-478-1500 | 408-825-
3750
twhitaker@mdcwall.com |
kfunk@mdcwall.com

SPEC NO: SP-WC6.1
DESCRIPTION: Wallcovering - at Great Room
MODEL NO: ALPHA7545/4762
COLOR NAME: Salt Pan
WIDTH: 54"

ADHESIVE: Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING: Osnapburg
BOLT SIZE: 30 Linear Yards
CONTENT: Fabric-Backed Vinyl
FLAMMABILITY: Class A (ASTM E84)
INSTALLATION: Straight Across Match
PATTERN / STRIKE-OFF: Adobe
REPEAT: 27" V
WEIGHT: 20 oz.
TYPE: Type II

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-WC6.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and safety codes for use in hotels.
3. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for onsite measurements.
4. Refer to drawing for location.
5. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
6. Wall to be Level 4 finish.
7. Wallcovering must meet or exceed the following requirements: 20oz. Type II, Class A ASTM E-84, exceed 40 hours Class 5 (AATCC-16-40) for lightfastness.
8. Manufacturer to clearly mark each carton with item ID and specification number.
9. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-WC6.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Lobby

MANUFACTURER:

U.S. VINYL MANUFACTURING
CORPORATION
P 800-633-6425 / P 706 638-8400
F 706-638-0137
E Customerservice@usvinyl.com
1766 Broomtown Rd
LaFayette, GA 30728
www.usvinyl.com

REP FIRM:

Spec Me Please, Inc
Lance Sheppard
PH: 770-596-6656
lance@specmeplease.com

SPEC NO:	SP-WC6.2
DESCRIPTION:	Wallcovering - at Great Room
MODEL NO:	HVS-10386/TANPP
PATTERN NAME:	Nimbo
WIDTH:	54"
ADHESIVE:	Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING:	Woven Poly/Cotton
BOLT SIZE:	50 linear yards
CONTENT:	100% PVC Film Base – Contains Up To 10% Pre-Consumer Recycled Content
FLAMMABILITY:	Class A (ASTM E84)
INSTALLATION:	Reversible Installation
PATTERN / STRIKE-OFF:	Q185/224/249 LW Suede II - 2B
REPEAT:	Random
WEIGHT:	21 oz/linear yard
TYPE:	Type II

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-WC6.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

NOTES:

1. Contractor to verify quantity of materials required prior to placing order for goods.
2. To be of contract quality and suitable for commercial use.
3. Must meet all state and local flammability requirements for property location.
4. Manufacturer must provide certificate of flame spread rating, smoke develop rating, and fuel contribution as tested in accordance to ASTM-E84 test.
5. Use mildew resistant adhesive.
6. Installation to be per manufacturer's instructions.
7. Refer to drawings for location.
8. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-WC6.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Fitness Center, Guest Laundry, Public Restrooms

MANUFACTURER:

MDC WALLCOVERINGS
P 847-437-4000 / P 800-621-4006

E mdcnationalaccounts@mdcwall.com
400 High Grove Boulevard
Glendale Heights, IL 60139
www.mdcwall.com

REP FIRM:

MDC Wallcoverings
Thomas Whitaker (Eastern
Region) | Kate Funk (Western
Region)
PH: 678-478-1500 | 408-825-
3750
twhitaker@mdcwall.com |
kfunk@mdcwall.com

SPEC NO:	SP-WC7.1
DESCRIPTION:	Wallcovering - at Public Restrooms, Guest Laundry, and Fitness Center
MODEL NO:	BETA18016
COLOR NAME:	Blue
PATTERN NAME:	Herringbone
WIDTH:	54"
ADHESIVE:	Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING:	Osnaburg Woven
BOLT SIZE:	30 Linear Yards
CONTENT:	100% Vinyl
FLAMMABILITY:	Class A (ASTM E84)
INSTALLATION:	Reverse
REPEAT:	Random Match
WEIGHT:	20 oz/linear yard
TYPE:	Type II

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-WC7.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and safety codes for use in hotels.
3. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for onsite measurements.
4. Refer to drawing for location.
5. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
6. Wall to be Level 4 finish.
7. Wallcovering must meet or exceed the following requirements: 20oz. Type II, Class A ASTM E-84, exceed 40 hours Class 5 (AATCC-16-40) for lightfastness.
8. Manufacturer to clearly mark each carton with item ID and specification number.
9. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-WC7.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Fitness Center, Guest Laundry, Public Restrooms

MANUFACTURER:

U.S. VINYL MANUFACTURING
CORPORATION
P 800-633-6425 / P 706 638-8400
F 706-638-0137
E Customerservice@usvinyl.com
1766 Broomtown Rd
LaFayette, GA 30728
www.usvinyl.com

REP FIRM:

Spec Me Please, Inc
Lance Sheppard
PH: 770-596-6656
lance@specmeplease.com

SPEC NO:	SP-WC7.2
DESCRIPTION:	Wallcovering - at Public Restrooms, Guest Laundry & Fitness Center
MODEL NO:	HVS-10387/TANPP
COLOR NAME:	Denim
PATTERN NAME:	Marvel
WIDTH:	54"
ADHESIVE:	Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING:	Woven Poly/Cotton
BOLT SIZE:	50 Linear Yards
CONTENT:	100% PVC Film Base – Contains Up To 10% Pre-Consumer Recycled Content
FLAMMABILITY:	Class A (ASTM E84)
INSTALLATION:	Reversible Installation
PATTERN / STRIKE-OFF:	347/SP10377/274/289 SW PLINE
REPEAT:	Random
WEIGHT:	21 oz/linear yard
TYPE:	Type II

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-WC7.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Contractor to verify quantity of materials required prior to placing order for goods.
2. To be of contract quality and suitable for commercial use.
3. Must meet all state and local flammability requirements for property location.
4. Manufacturer must provide certificate of flame spread rating, smoke develop rating, and fuel contribution as tested in accordance to ASTM-E84 test.
5. Use mildew resistant adhesive.
6. Installation to be per manufacturer's instructions.
7. Refer to drawings for location.
8. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-WC7.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Great Room

MANUFACTURER:

MDC WALLCOVERINGS
P 847-437-4000 / P 800-621-4006

E mdcnationalaccounts@mdcwall.com
400 High Grove Boulevard
Glendale Heights, IL 60139
www.mdcwall.com

REP FIRM:

MDC Wallcoverings
Thomas Whitaker (Eastern
Region) | Kate Funk (Western
Region)
PH: 678-478-1500 | 408-825-
3750
twhitaker@mdcwall.com |
kfunk@mdcwall.com

SPEC NO: SP-WC8.1
DESCRIPTION: Wallcovering - for Renovation
MODEL NO: ALPHA7557
COLOR NAME: Teak
PATTERN NAME: Sequoia
WIDTH: 54"

ADHESIVE: Heavy duty, non-organic (mildew resistant) commercial grade adhesive
BACKING: Osnauburg
BOLT SIZE: 30 Linear Yards
CONTENT: Vinyl
FLAMMABILITY: Class A (ASTM E84)
LOCATION: Great Room faux beams
WEIGHT: 20 oz/linear yard

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SP-WC8.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. All materials and methods of construction must comply with local fire and safety codes for use in hotels.
3. Quantity to be verified prior to order; determined by individual project scope. Installer responsible for onsite measurements.
4. Refer to drawing for location.
5. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
6. Wall to be Level 4 finish.
7. Wallcovering must meet or exceed the following requirements: 20oz. Type II, Class A ASTM E-84, exceed 40 hours Class 5 (AATCC-16-40) for lightfastness.
8. Manufacturer to clearly mark each carton with item ID and specification number.
9. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:

11/6/2019

REVISION DATE:

2/28/2022

REV. NO:

2

SPEC NO:

SP-WC8.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Bar, Front Desk Area, Lobby, Pantry

MANUFACTURER:

REP FIRM:

GENERAL CONTRACTOR

SPEC NO: SP-WD1.1

DESCRIPTION: Millwork Stain Color - Wood finish at Public Area Millwork

MODEL NO: Custom

FINISH/COLOR: Stain to match Formica Planked Urban Oak 9312-NG

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Submit finish sample to IHG for approval. Finish sample must be stained on same wood species as millwork per hotel property.
3. Wood species to be quarter sliced ash.
4. To be low VOC water based stain product.
5. Refer to drawings for location.
6. All materials and methods of construction must comply with all local fire & life safety codes.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-WD1.1

COLORWAY: Blue Scheme

AREA: Public Areas: Buffet Area, Front Desk Area, Lobby, Pantry

MANUFACTURER:

REP FIRM:

GENERAL CONTRACTOR

SPEC NO: SP-WD2.1

DESCRIPTION: Millwork Stain Color - Wood finish at Public Area Millwork

MODEL NO: Custom

FINISH/COLOR: Stain to match Formica 6452 Smoke Ash

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Submit finish sample to IHG for approval. Finish sample must be stained on same wood species as millwork per hotel property.
4. Wood species to be quarter sliced ash.
5. To be low VOC water based stain product.
6. Refer to drawings for location.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-WD2.1

COLORWAY: Blue Scheme

AREA: Public Areas: Front Desk Area

MANUFACTURER:

GENERAL CONTRACTOR

REP FIRM:

SPEC NO:

SP-WD3.1

DESCRIPTION:

Millwork Stain Color - Wood finish at Public Area Millwork

MODEL NO:

Custom

FINISH/COLOR:

Stain to match Formica Blackened Legno 8848-58

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Submit finish sample to IHG for approval. Finish sample must be stained on same wood species as millwork per hotel property.
4. Wood species to be quarter sliced ash.
5. To be low VOC water based stain product.
6. Refer to drawings for location.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-WD3.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme
AREA: Public Areas: Pantry
Heart of House: Kitchen

MANUFACTURER:

MARLITE
P 800-377-1221

202 Harger Street
Dover, OH 44622
<http://www.marlite.com>

REP FIRM:

Jason Vijil
PH: 217-503-8332
jvijil@marlite.com

SPEC NO: SP-WP1.1
DESCRIPTION: Wall Panel - for Kitchen and pantry food storage areas
MODEL NO: Standard FRP
DIMENSIONS: 4' x 8' Sheets

FINISH/COLOR: P100 White, Pebbled Finish
INSTALLATION: To be installed according to manufacturer's instructions.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and safety codes for use in hotels.
3. Quantity to be verified prior to order.
4. Manufacturer to submit sample for approval to InterContinental Hotels Group (IHG) Plan Review and design team for written approval prior to shipment.
5. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-WP1.1

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

MGROUP
Bo Burdette
P 404.695.6796
F 706.837.0073
E Bo.Burdette@mgroupcorp.com
203 North Lewis Street
LaGrange, GA 30240
MGroupCorp.com

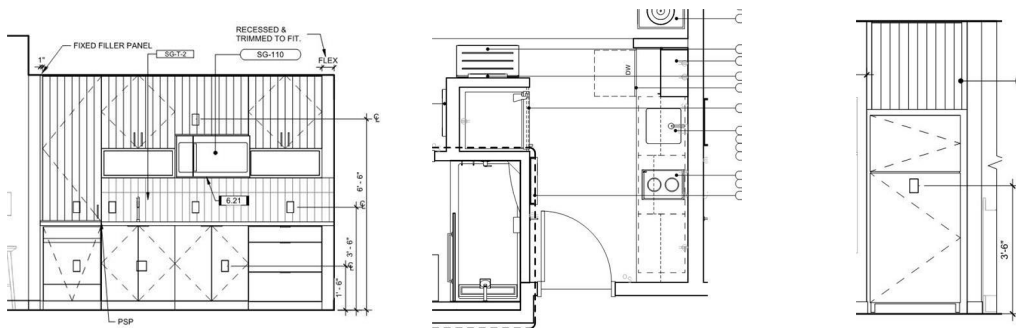
REP FIRM:

SPEC NO: SG-101.1
DESCRIPTION: Studio Cabinetry
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE: Drawer and Door Pulls provided by the manufacturer

MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

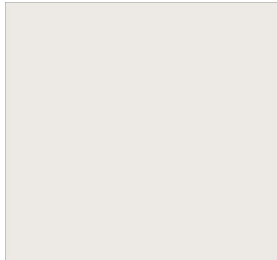
NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	3	SG-101.1

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

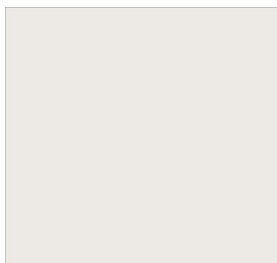


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

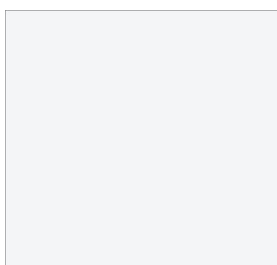


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

3

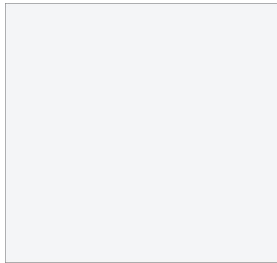
SPEC NO:

SG-101.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

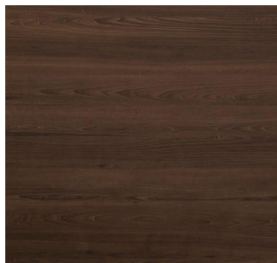
InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

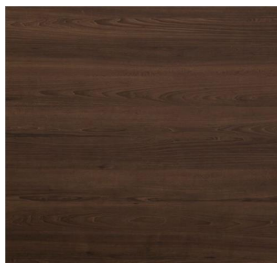
Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	3	SG-101.1

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

MGROUP
Bo Burdette
P 404.695.6796
F 706.837.0073
E Bo.Burdette@mgroupcorp.com
203 North Lewis Street
LaGrange, GA 30240
MGroupCorp.com

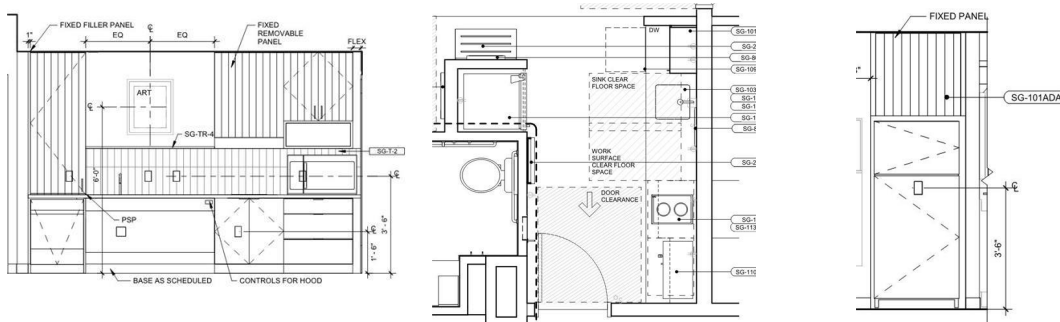
REP FIRM:

SPEC NO: SG-101.1 (ADA)
DESCRIPTION: Studio ADA Cabinetry
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE: Drawer and Door Pulls provided by the manufacturer

MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

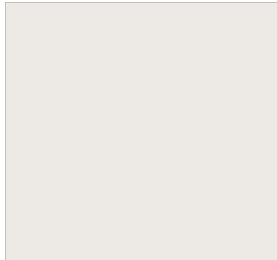
- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	3	SG-101.1 (ADA)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

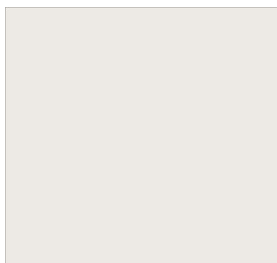


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

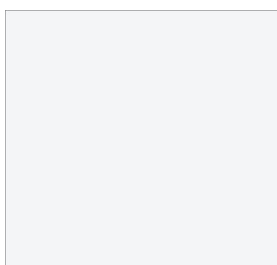


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

3

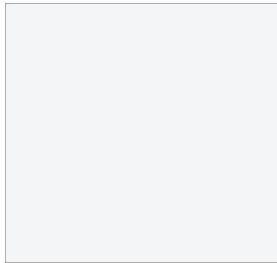
SPEC NO:

SG-101.1 (ADA)

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

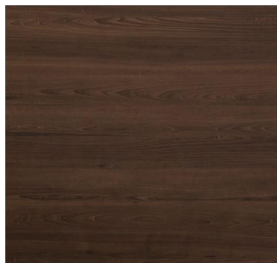
InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

3

SPEC NO:

SG-101.1 (ADA)

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

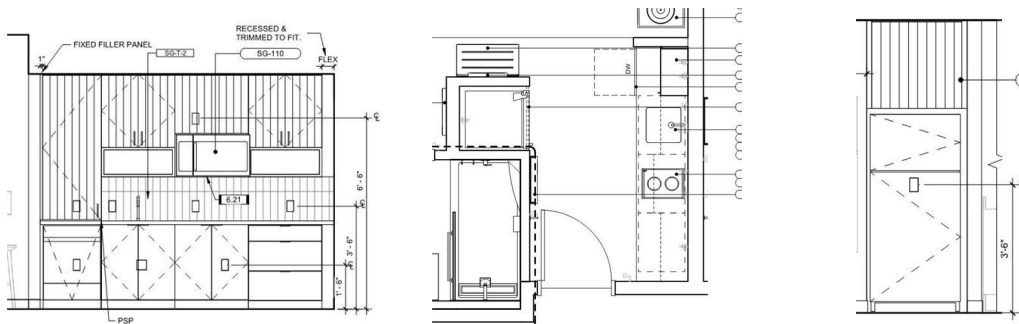
MILLEX
P 678-514-3400
F 678-262-3654
E orders@millex.net
1900 Buford Highway
Duluth, GA 30097
www.millex.net

REP FIRM:

SPEC NO: SG-101.2
DESCRIPTION: Studio Cabinetry
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

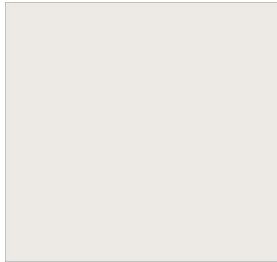
NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	3	SG-101.2

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

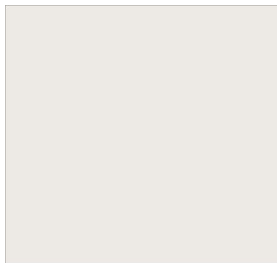


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

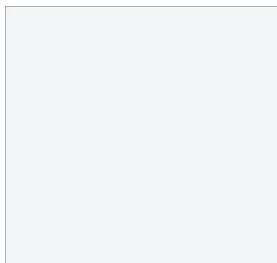


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

3

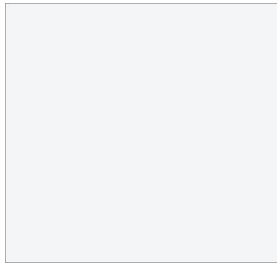
SPEC NO:

SG-101.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

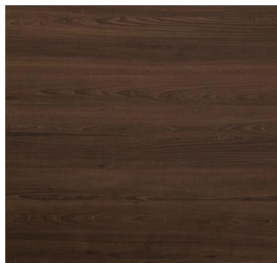
InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

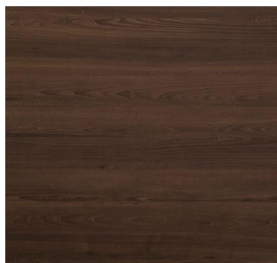
Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

3

SPEC NO:

SG-101.2

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

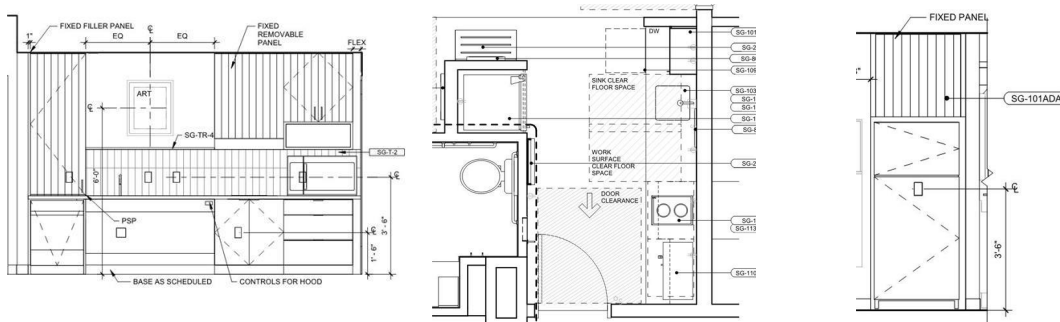
MILLEX
P 678-514-3400
F 678-262-3654
E orders@millex.net
1900 Buford Highway
Duluth, GA 30097
www.millex.net

REP FIRM:

SPEC NO: SG-101.2 (ADA)
DESCRIPTION: Studio ADA Cabinetry
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

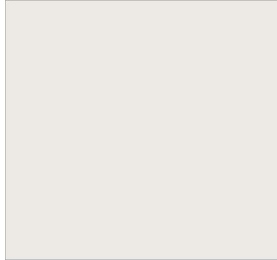
NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	3	SG-101.2 (ADA)

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

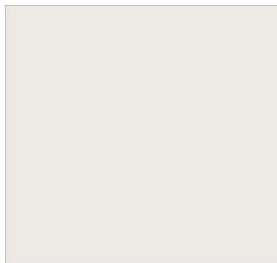


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

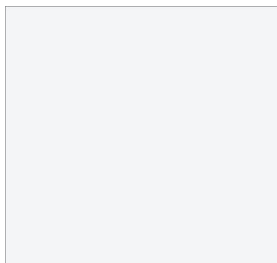


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

3

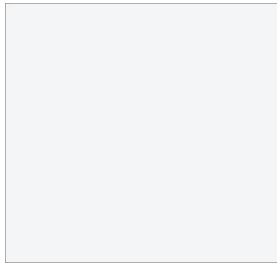
SPEC NO:

SG-101.2 (ADA)

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

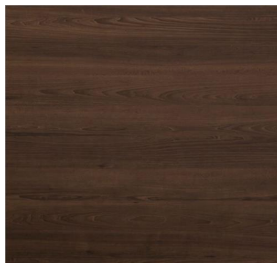
InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

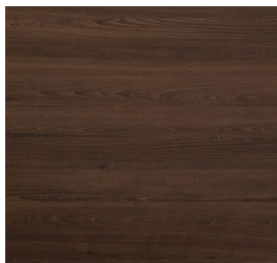
Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

3

SPEC NO:

SG-101.2 (ADA)

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SG-101.3

DESCRIPTION:

Studio Cabinetry

MODEL NO:

Custom

DIMENSIONS:

Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE:

Liberty Hardware Stratford 5-1/16" Center-to-Center Handle Pull in Black Stainless Finish for upper cabinets. Mockett DP3A-3 3" Tab Drawer Pull in Matte Black finish for base cabinets.

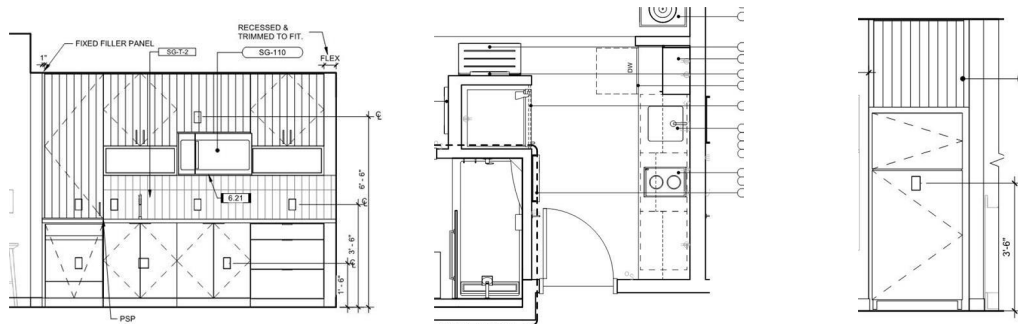
IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

MATERIALS:

Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- **ATTENTION:** Kitchen countertop SG-ST1.1.1 must be identical to the SG-220 island countertop.
- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.

ISSUE DATE:

3/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-101.3



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Upper cabinets to have "V" grooves. Lower cabinets to have "Slab Door Style".
- Drawer boxes to be a minimum of 5/8" thick with 1/4" thick bottom supported with full extension ball bearing side-mounted drawer glides, minimum rating per glide is 75lbs.
- Doors and drawers to be 5-piece construction.
- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

3/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-101.3

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SG-101.3 (ADA)

DESCRIPTION:

Studio ADA Cabinetry

MODEL NO:

Custom

DIMENSIONS:

Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE:

Liberty Hardware Stratford 5-1/16" Center-to-Center Handle Pull in Black Stainless Finish for upper cabinets. Mockett DP3A-3 3" Tab Drawer Pull in Matte Black finish for base cabinets.

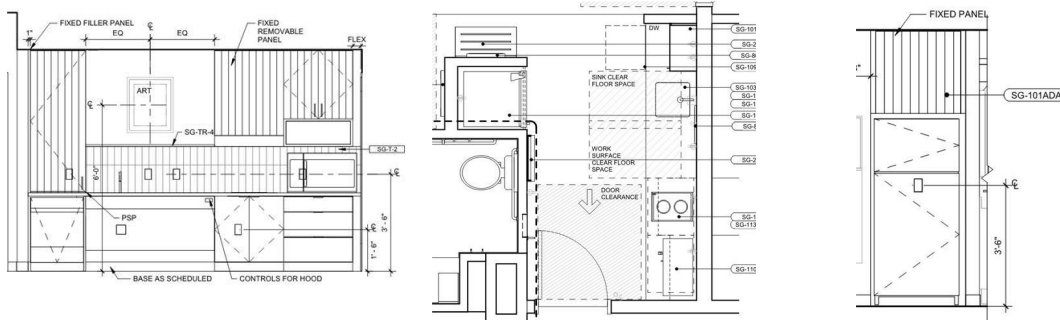
IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

MATERIALS:

Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- **ATTENTION:** Kitchen countertop SG-ST1.1.1 must be identical to the SG-220 island countertop.
- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.

ISSUE DATE:

3/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-101.3 (ADA)

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

- Upper cabinets to have "V" grooves. Lower cabinets to have "Slab Door Style".
- Drawer boxes to be a minimum of 5/8" thick with 1/4" thick bottom supported with full extension ball bearing side-mounted drawer glides, minimum rating per glide is 75lbs.
- Doors and drawers to be 5-piece construction.
- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

3/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-101.3 (ADA)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

MGROUP
Bo Burdette
P 404.695.6796
F 706.837.0073
E Bo.Burdette@mgroupcorp.com
203 North Lewis Street
LaGrange, GA 30240
MGroupCorp.com

REP FIRM:

SPEC NO: SG-102.1

DESCRIPTION: 1 BR and 2 BR Cabinetry

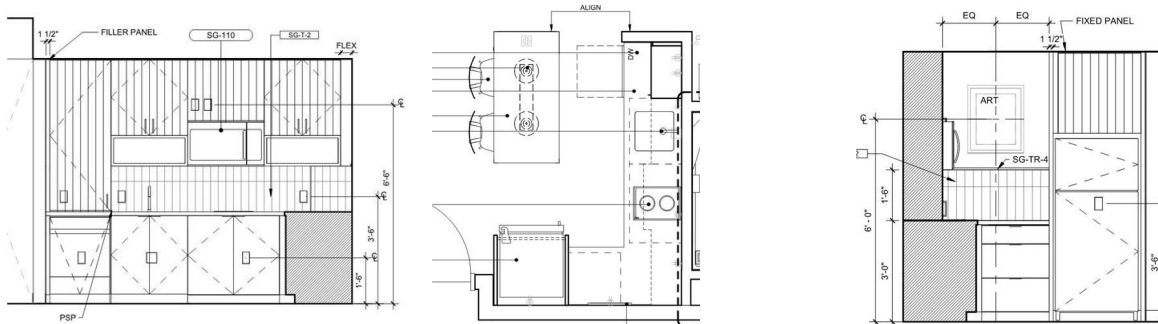
MODEL NO: Custom

DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE: Drawer and Door Pulls provided by manufacturer

MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

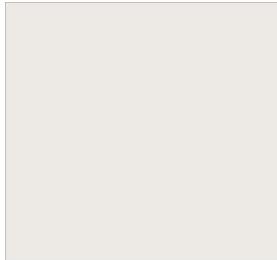
3

SPEC NO:

SG-102.1

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

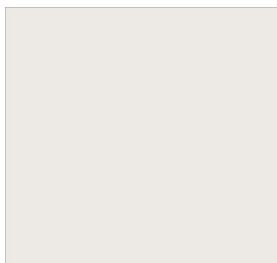


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

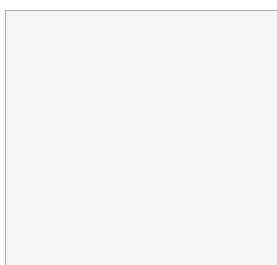


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

3

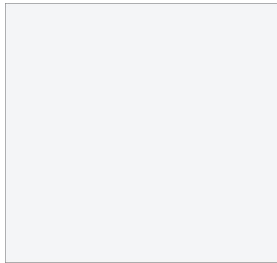
SPEC NO:

SG-102.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

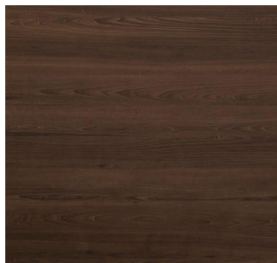
InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

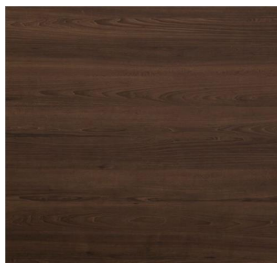
Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

3

SPEC NO:

SG-102.1

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

MGROUP
Bo Burdette
P 404.695.6796
F 706.837.0073
E Bo.Burdette@mgroupcorp.com
203 North Lewis Street
LaGrange, GA 30240
MGroupCorp.com

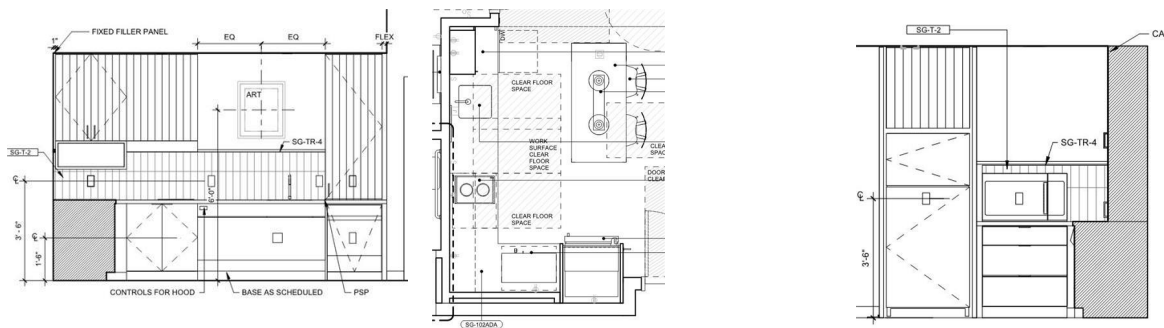
REP FIRM:

SPEC NO: SG-102.1 (ADA)
DESCRIPTION: 1 BR and 2 BR ADA Cabinetry
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE: Door and Drawer Pulls provided by the Manufacturer

MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

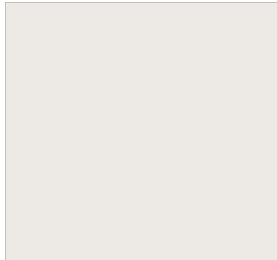
- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	3	SG-102.1 (ADA)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

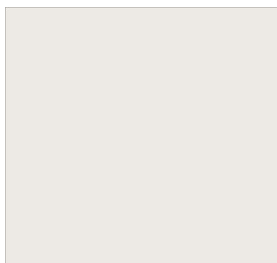


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

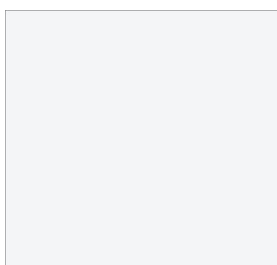


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

3

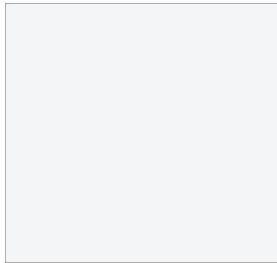
SPEC NO:

SG-102.1 (ADA)

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

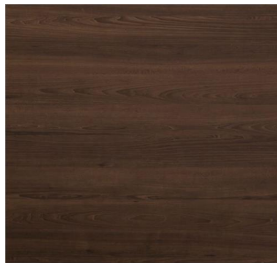
Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

3

SPEC NO:

SG-102.1 (ADA)

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

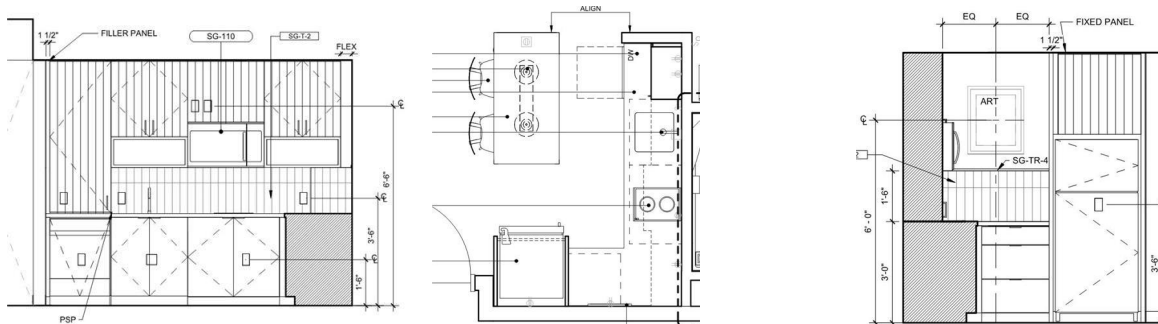
MILLEX
P 678-514-3400
F 678-262-3654
E orders@millex.net
1900 Buford Highway
Duluth, GA 30097
www.millex.net

REP FIRM:

SPEC NO: SG-102.2
DESCRIPTION: 1 BR and 2 BR Cabinetry
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE: Door and Drawer Pulls provided by the Manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

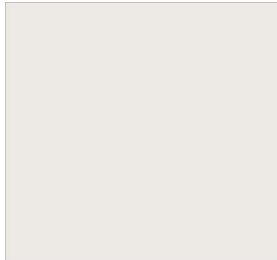
- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	3	SG-102.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

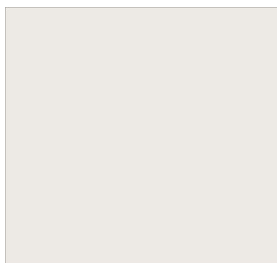


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

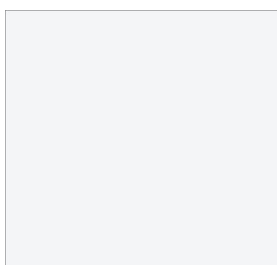


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

3

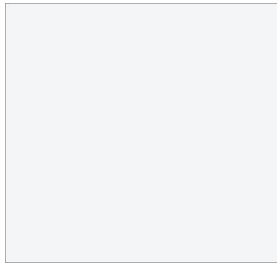
SPEC NO:

SG-102.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

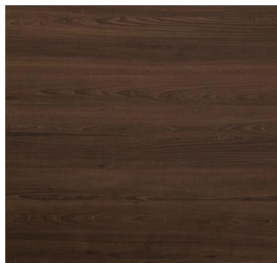
InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

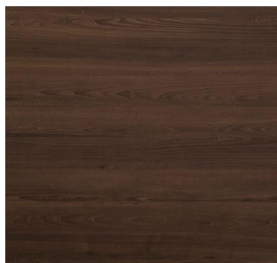
Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	3	SG-102.2

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

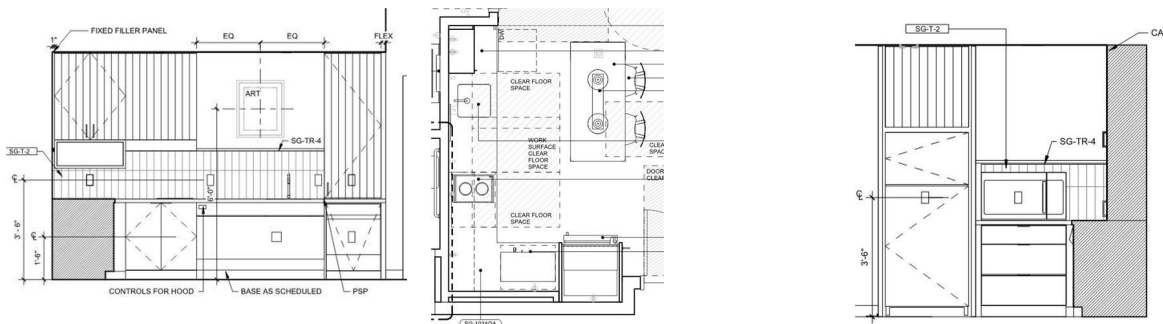
MILLEX
P 678-514-3400
F 678-262-3654
E orders@millex.net
1900 Buford Highway
Duluth, GA 30097
www.millex.net

REP FIRM:

SPEC NO: SG-102.2 (ADA)
DESCRIPTION: 1 BR and 2 BR ADA Cabinetry
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE: Door and Drawer Pulls provided by the Manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

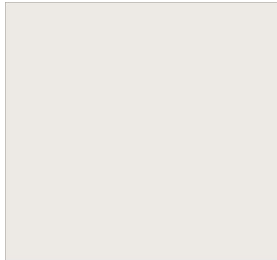
- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	3	SG-102.2 (ADA)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

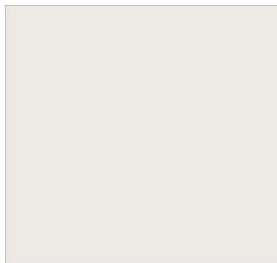


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

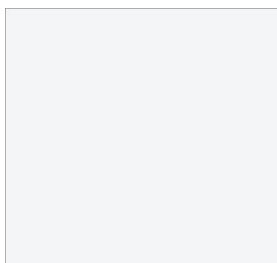


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

3

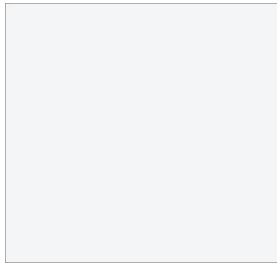
SPEC NO:

SG-102.2 (ADA)

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

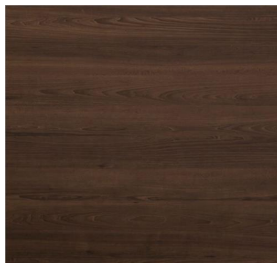
InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

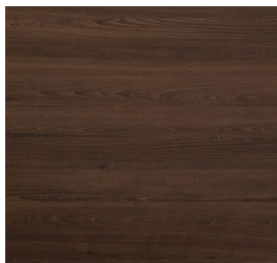
Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

3

SPEC NO:

SG-102.2 (ADA)

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SG-102.3

DESCRIPTION:

1 BR and 2 BR Cabinetry

MODEL NO:

Custom

DIMENSIONS:

Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE:

Liberty Hardware Stratford 5-1/16" Center-to-Center Handle Pull in Black Stainless Finish for upper cabinets. Mockett DP3A-3 3" Tab Drawer Pull in Matte Black finish for base cabinets.

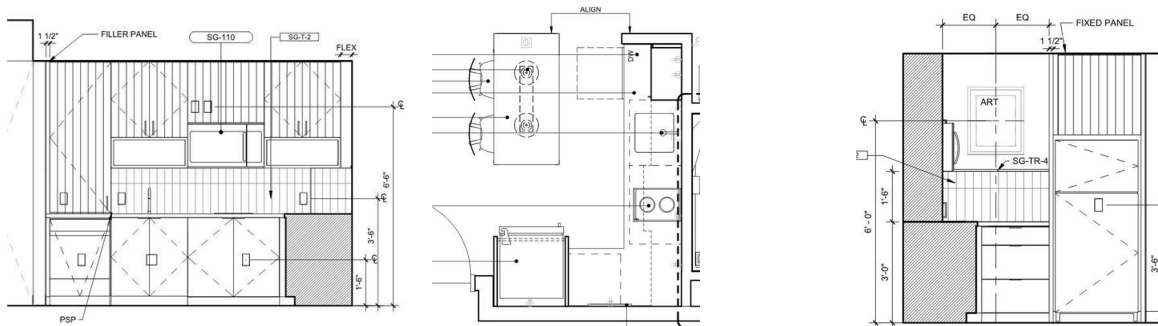
IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

MATERIALS:

Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- **ATTENTION:** Kitchen countertop SG-ST1.1.1 must be identical to the SG-220 island countertop.
- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.

ISSUE DATE:

3/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-102.3

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

- Upper cabinets to have "V" grooves. Lower cabinets to have "Slab Door Style".
- Drawer boxes to be a minimum of 5/8" thick with 1/4" thick bottom supported with full extension ball bearing side-mounted drawer glides, minimum rating per glide is 75lbs.
- Doors and drawers to be 5-piece construction.
- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

3/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-102.3

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SG-102.3 (ADA)

DESCRIPTION:

1 BR and 2 BR ADA Cabinetry

MODEL NO:

Custom

DIMENSIONS:

Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE:

Liberty Hardware Stratford 5-1/16" Center-to-Center Handle Pull in Black Stainless Finish for upper cabinets. Mockett DP3A-3 3" Tab Drawer Pull in Matte Black finish for base cabinets.

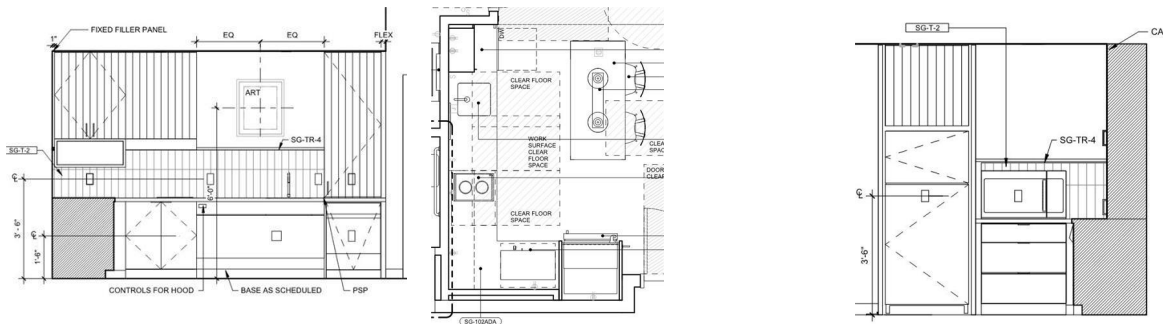
IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

MATERIALS:

Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- **ATTENTION:** Kitchen countertop SG-ST1.1.1 must be identical to the SG-220 island countertop.
- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.

ISSUE DATE:

3/15/2021

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SG-102.3 (ADA)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

- Upper cabinets to have "V" grooves. Lower cabinets to have "Slab Door Style".
- Drawer boxes to be a minimum of 5/8" thick with 1/4" thick bottom supported with full extension ball bearing side-mounted drawer glides, minimum rating per glide is 75lbs.
- Doors and drawers to be 5-piece construction.
- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
3/15/2021	3/15/2021	1	SG-102.3 (ADA)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

KOHLER (MUST ORDER THRU A
DISTRIBUTOR)
Lori Henderson
P (303) 818-9719 / P (For Canada: Arnel Go
416-716-0536)

E lori.henderson@kohler.com
444 Highland DR, MS 65
Kohler, WI 53044
kohlerglobalprojects.com

REP FIRM:

DISTRIBUTOR:
HD Supply
PH: MAIN: 830-730-7894 (Sunita
Patel)
PH: RENOVATIONS: 904-466-
0728 (Gary Tapley)
F: MAIN: 830-730-7894 (Sunita
Patel)
sunitaben.patel2@hdsupply.com;
Gary.Tapley@hdsupply.com

SPEC NO:	SG-103.1
DESCRIPTION:	Kitchen Sink - for Standard Rooms
MODEL NO:	11448-NA Springdale(R) Undercounter Single-basin Secondary Sink
DIMENSIONS:	Overall: 20-1/2" W x 16-1/4" L x 8" H; Bowl: 18-1/2" W x 14-1/4" L x 8" H; Drain Opening: 3-3/4"
FINISH:	Stainless Steel
GAUGE:	18 Gauge
INSTALLATION:	Undermount

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-103.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

- Reference drawings for details and locations.
- Sink manufacturer to provide CAD drawing template to countertop manufacturer with detailed dimensions of countertop cut-out requirement needed.
- Installation to underside of stone top SG-ST1 per manufacturer instructions; manufacturer to provide complete instructions.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-106 for strainer. Refer to SG-104 for faucet.
- At time of RFP or purchase, notify the manufacturer / distributor for minimum order requirements to receive free freight.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-103.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

KOHLER (MUST ORDER THRU A
DISTRIBUTOR)
Lori Henderson
P (303) 818-9719 / P (For Canada: Arnel Go
416-716-0536)

E lori.henderson@kohler.com
444 Highland DR, MS 65
Kohler, WI 53044
kohlerglobalprojects.com

REP FIRM:

DISTRIBUTOR:
HD Supply
PH: MAIN: 830-730-7894 (Sunita
Patel)
PH: RENOVATIONS: 904-466-
0728 (Gary Tapley)
F: MAIN: 830-730-7894 (Sunita
Patel)
sunitaben.patel2@hdsupply.com;
Gary.Tapley@hdsupply.com

SPEC NO: SG-103.1 (ADA)
DESCRIPTION: Kitchen Sink - for Accessible Rooms
MODEL NO: 24738-NA McAllister(R) Undercounter Single-basin Secondary Sink
DIMENSIONS: Overall: 23-3/8" W x 17-11/16" L x 5-15/16" D ; Bowl Size: 15-1/4"
W x 21" L x 5-5/8" D; Drain Opening: 3-3/4"
FINISH: Stainless Steel
GAUGE: 18 Gauge
INSTALLATION: Undermount

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-103.1 (ADA)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

- Reference drawings for details and locations.
- Sink manufacturer to provide CAD drawing template to countertop manufacturer with detailed dimensions of countertop cut-out requirement needed.
- Installation to underside of stone top SG-ST1 per manufacturer instructions; manufacturer to provide complete instructions.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-106 for strainer. Refer to SG-104 for faucet.
- At time of RFP or purchase, notify the manufacturer / distributor for minimum order requirements to receive free freight.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-103.1 (ADA)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SG-103.2

DESCRIPTION: Kitchen Sink - for Standard Rooms

DIMENSIONS: Overall: 20-1/2" W x 16-1/4" L x 8" H; Bowl: 18-1/2" W x 14-1/4" L x 8" H; Drain Opening: 3-3/4"

FINISH: Stainless Steel

GAUGE: 18 Gauge

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contract pricing is not provided for this item.

INSTALLATION: Undermount

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for details and locations.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-103.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Sink manufacturer to provide CAD drawing template to countertop manufacturer with detailed dimensions of countertop cut-out requirement needed.
- Installation to underside of stone top SG-ST1 per manufacturer instructions; manufacturer to provide complete instructions.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-106 for strainer. Refer to SG-104 for faucet.
- At time of RFP or purchase, notify the manufacturer / distributor for minimum order requirements to receive free freight.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-103.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SG-103.2 (ADA)
DESCRIPTION: Kitchen Sink - for Accessible Rooms
DIMENSIONS: Overall: 23-3/8" W x 17-11/16" L x 5-15/16" D ; Bowl Size: 15-1/4" W x 21" L x 5-5/8" D; Drain Opening: 3-3/4"
FINISH: Stainless Steel
GAUGE: 18 Gauge
IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contract pricing is not provided for this item.
INSTALLATION: Undermount

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for details and locations.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-103.2 (ADA)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Sink manufacturer to provide CAD drawing template to countertop manufacturer with detailed dimensions of countertop cut-out requirement needed.
- Installation to underside of stone top SG-ST1 per manufacturer instructions; manufacturer to provide complete instructions.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-106 for strainer. Refer to SG-104 for faucet.
- At time of RFP or purchase, notify the manufacturer / distributor for minimum order requirements to receive free freight.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-103.2 (ADA)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

REP FIRM:

OWNER'S CHOICE

SPEC NO: SG-104.1
DESCRIPTION: Faucet at Kitchen Sink
DIMENSIONS: 15 5/16"H; Spout Reach: 8"
FINISH: Polished Chrome

FLOW RATE: 1.5 Gpm (5.7L/Min) Max
IMPORTANT: pecification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.
INSTALLATION: Single Hole

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Sink manufacturer to provide CAD drawing template to countertop manufacturer with detailed dimensions of countertop cut-out requirement needed.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-104.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Installation per manufacturer instructions; manufacturer to provide complete instructions.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-103 for sink.
- At time of RFP or purchase, notify the manufacturer / distributor for minimum order requirements to receive free freight.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-104.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

REP FIRM:

OWNER'S CHOICE

SPEC NO: SG-104.2

DESCRIPTION: Faucet at Kitchen Sink

DIMENSIONS: 15 5/16" OH (max) ; Spout Reach: 8"

FINISH: Polished Chrome

FLOW RATE: Flow Rate to be limited to 1.5 Gpm (5.7 L/Min) Max

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contract pricing is not provided for this item.

INSTALLATION: Single Hole

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.

ISSUE DATE:

REVISION DATE:

REV. NO:

SPEC NO:

11/6/2019

3/15/2021

1

SG-104.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Manufacturer to provide CAD drawing template to countertop manufacturer with detailed dimensions of countertop cut-out requirements needed.
- Must meet the following codes/standards: ASME A112.18/CSA B125.1, NSF/ANSI 327, all applicable US Federal and State material regulations, DOE-Energy Policy Act 1992, California Energy Commission(CEC), ADA, ICC/ANSI A117.1, CSA B651.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-103 for sink.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-104.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SG-105.2
DESCRIPTION: Sink Disposal
DIMENSIONS: Overall: 6 15/16"W x 11 3/8"H
MISCELLANEOUS: 1/3 Horsepower Continuous Feed Operation

FINISH: Stainless Steel Sink Flange; Glavanized Steel Shredder Ring and Grinding Wheel

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contract pricing is not provided for this item.

SWITCH: Fixture to be switched at wall

WIRING: Hardwired

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.

ISSUE DATE:

3/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-105.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- General Contractor is responsible for reviewing and verifying voltage requirements per property prior to ordering.
- Fixture to be hardwired and installed by General Contractor.
- Refer to SG-103 for sink.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

3/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-105.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

WATTS BRASS & TUBNLAR

REP FIRM:

815 Chestnut Street
North Andover, MA 1845

SPEC NO: SG-106.1
DESCRIPTION: Strainer at Kitchen Sink
MODEL NO: Series 647; Model #647003
DIMENSIONS: Fits 3 1/2" - 4" outlets; 1-1/2"DIA. connection;
Tailpiece: 1 1/2" x 4"
FINISH: Polished Chrome

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to SG-103 for sink.
- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Manufacturer to clearly mark each carton with item ID and specification number.
- Reference drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-106.1

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SG-106.2

DESCRIPTION:

Strainer at Kitchen Sink

DIMENSIONS:

Fits 3 1/2" - 4" outlets; 1-1/2"DIA. connection; Tailpiece: 1 1/2" x 4"

FINISH:

Polished Chrome

IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Installation to sink (SG-103) per manufacturer instructions; manufacturer to provide complete instructions.
- Reference drawings for location.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- Caulk joints should be minimal with excess caulk wiped clean.

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SG-106.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-106.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SG-107.2

DESCRIPTION:

Refrigerator

DIMENSIONS:

Overall: 28"W x 31-5/8"D x 64-3/4"H

COLOR:

Stainless Steel

IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contract pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- Reference drawings for location.
- If icemaker is not factory installed, vendor to provide ice maker.
- Installation to be per manufacture instructions.
- Reversible door hinge; door to swing towards entry door.
- Air clearance within millwork cubby - designer to ensure there are gaps at the sides, top, and back within millwork opening to allow for air from the unit to disperse. Follow supplier minimum recommendations.

ISSUE DATE:

3/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-107.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Manufacturer to clearly mark each carton with item ID and specification number.
- Designer to ensure that selected appliance works properly with kitchen millwork dimensions.

ISSUE DATE:

3/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-107.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SG-109.2

DESCRIPTION:

Dishwasher

DIMENSIONS:

Overall: 23 7/8"W x 24 1/2"D x 34 1/2"H

COLOR:

Stainless Steel

IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contract pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- Reference drawings for location.
- Installation to be per manufacture instructions.
- Manufacturer to clearly mark each carton with item ID and specification number.
- All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.

ISSUE DATE:

3/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-109.2

COLORWAY:

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SG-109.2 (ADA)
DESCRIPTION: ADA Dishwasher
DIMENSIONS: 23 9/16"W x 24" D x 32 1/2" H

COLOR: Stainless Steel

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contract pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- Reference drawings for location.
- Installation to be per manufacture instructions.
- All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

3/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-109.2 (ADA)

COLORWAY:

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SG-110.2
DESCRIPTION: Microwave - Overhead
1.7 cu. ft. capacity, 1000 Watts
DIMENSIONS: 29 15/16"W x 15-9/16"D x 17 1/8"H

COLOR: Stainless Steel

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contract pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- Important: Renovation and Conversion Properties must confirm existing microwave dimensions and cabinetry opening in order to ensure proper fit.
- Reference drawings for location.
- Installation to be per manufacture instructions.
- For ADA guestrooms, see spec SG-110(ADA) for countertop microwave.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
3/15/2021	11/10/2021	1	SG-110.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
3/15/2021	11/10/2021	1	SG-110.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SG-110.2 (ADA)
DESCRIPTION: Microwave - for Countertop
1.6 cu. ft. capacity, 1200 Watts
DIMENSIONS: 21 3/4"W x 17 1/4"D x 13"H

COLOR: Stainless Steel

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contract pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Performance specification / Design intent only. Provide this product or similar. Contracted pricing is not provided for this item.
- Quantity to be verified prior to order.
- Reference drawings for location.
- Installation to be per manufacture instructions.
- All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.

ISSUE DATE:

3/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-110.2 (ADA)



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

3/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-110.2 (ADA)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

KENYON INTERNATIONAL, INC.
Attn: Suzanne Owens
P 860-664-4906 #108
F 860-664-4907
E sowens@cookwithkenyon.com
P.O. Box 925
Clinton, CT 06413

REP FIRM:

SPEC NO: SG-111.1.1
DESCRIPTION: Cooktop
1200 Watts (per burner), 208 Volts
MODEL NO: B41779T30 Lite-Touch Q Cortez
DIMENSIONS: 21" x 12" x 4 1/8"

FINISH/COLOR: Smooth Ceramic Glass; Black
INSTALLATION: Portrait Mounting
MISC.: Automatic 30 minute shut off
WIRING: Hardwired, pigtail

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Controls: digital touch controls, 9 power levels, and 30 minute automatic shut-off timer. Automatic shut-off not to exceed 30 minutes.
- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	2	SG-111.1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Cooktop to be contract quality and suitable for commercial use.
- Refer to drawings for location.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	2	SG-111.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SG-113.2 (ADA)
DESCRIPTION: Range Hood at Accessible Units
DIMENSIONS: 29 15/16"W x 18 5/8"D x 4 5/16"H

COLOR: Stainless Steel
IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contract pricing is not provided for this item.
WIRING: Direct Hardwired or Optional Power Kit (not included)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- Reference drawings for location.
- General Contractor is responsible for reviewing and verifying voltage requirements per property prior to ordering.
- Fixture to be hardwired and installed by General Contractor.
- Installation to be per manufacture instructions.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
3/15/2021			SG-113.2 (ADA)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



ISSUE DATE:

3/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-113.2 (ADA)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas: Kitchen

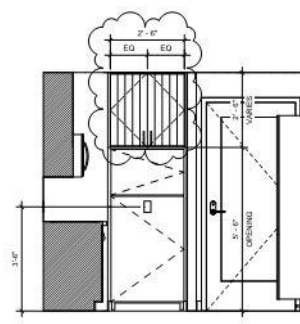
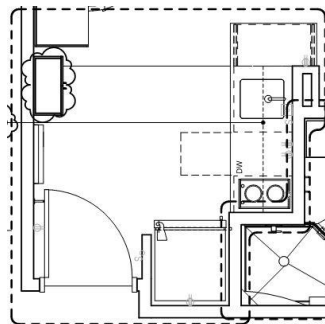
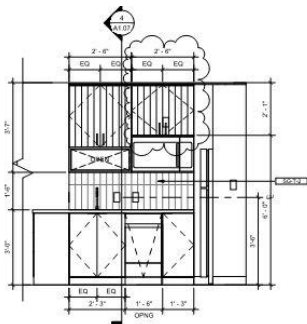
MANUFACTURER:

MGROUP
Bo Burdette
P 404.695.6796
F 706.837.0073
E Bo.Burdette@mgroupcorp.com
203 North Lewis Street
LaGrange, GA 30240
MGroupCorp.com

REP FIRM:

SPEC NO: SG-114.1
DESCRIPTION: Studio Cabinetry - for Urban Solution
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.
HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-114.1

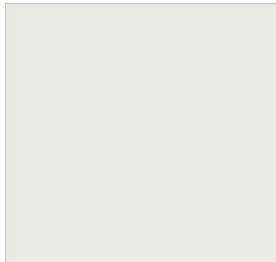
Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

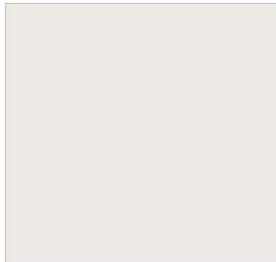


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

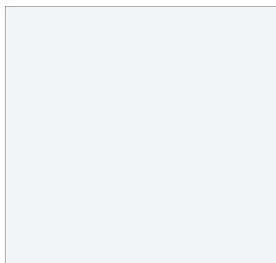


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlaminat.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:



SPEC NO:

SG-114.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

	MANUFACTURER: WilsonArt 2400 Wilson Place Temple, TX 76503-6110 800.433.3222 (Customer Service) 917.951.6524 (Amy) morgena@wilsonart.com www.wilsonartlamine.com	REPRESENTATIVE:
Spec ID: Category: Color Name: Finish: Item: Location:	SG-PL04 Finish #D354-60 Designer White Matte Upper Cabinet Laminate Blue and Taupe Schemes	
	MANUFACTURER: Stevens Wood 704 W. Main Teutopolis, IL 62467 217-857-7100 https://www.stevens-wood.com/	REPRESENTATIVE:
Spec ID: Category: Color Name: Item: Location:	SG-PL05 Finish Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL Open Cubby Laminate; Base Cabinet Laminate Blue and Taupe Schemes	
	MANUFACTURER: Stevens Wood 704 W. Main Teutopolis, IL 62467 217-857-7100 https://www.stevens-wood.com/	REPRESENTATIVE:
Spec ID: Category: Color Name: Item: Location:	SG-PL05 Finish Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL Open Cubby Laminate; Base Cabinet Laminate Blue and Taupe Schemes	

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-114.1

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas: Kitchen

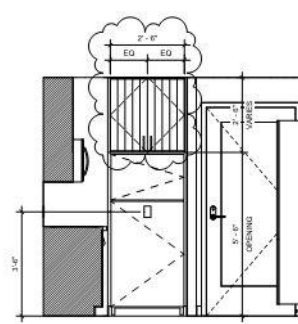
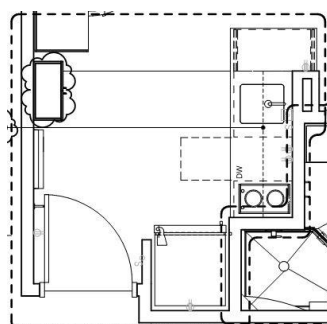
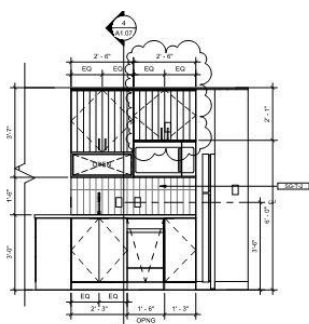
MANUFACTURER:

MILLEX
P 678-514-3400
F 678-262-3654
E orders@millex.net
1900 Buford Highway
Duluth, GA 30097
www.millex.net

REP FIRM:

SPEC NO:	SG-114.2
DESCRIPTION:	Studio Cabinetry - for Urban Solution
MODEL NO:	Custom
DIMENSIONS:	Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.
HARDWARE:	Drawer and Door Pulls provided by the manufacturer
MATERIALS:	Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:

2/28/2022

REVISION DATE:

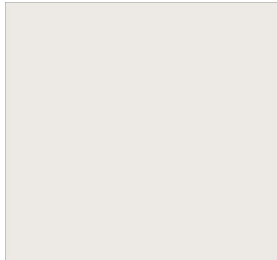
REV. NO:

SPEC NO:

SG-114.2

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

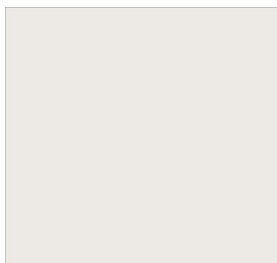


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

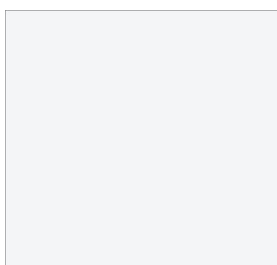


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

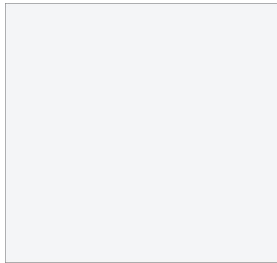
SPEC NO:

SG-114.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

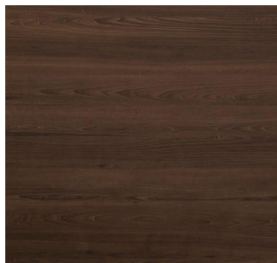
InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

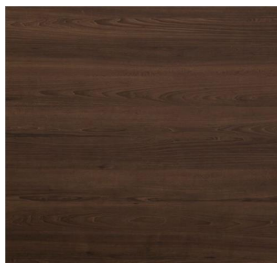
Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-114.2

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SG-114.3

DESCRIPTION:

Studio Cabinetry - for Urban Solution

MODEL NO:

Custom

DIMENSIONS:

Refer to drawings; Supplier to verify on-side measurements & provide shop drawings.

HARDWARE:

Liberty Hardware Stratford 5-1/16" Center-to-Center Handle Pull in Black Stainless Finish for upper cabinets. Mockett DP3A-3 3" Tab Drawer Pull in Matte Black finish for base cabinets.

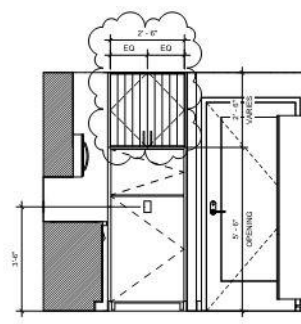
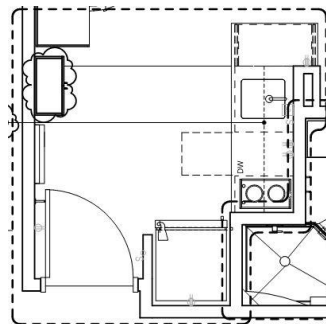
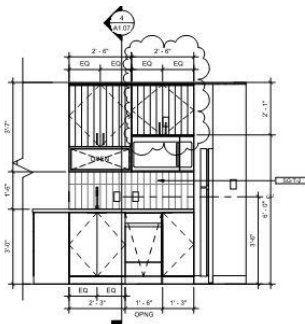
IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

MATERIALS:

Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- **ATTENTION:** Kitchen countertop SG-ST1.1.1 must be identical to the SG-220 island countertop.
- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.

ISSUE DATE:

2/28/2022

REVISION DATE:

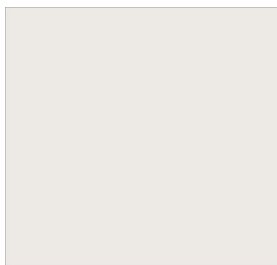
REV. NO:

SPEC NO:

SG-114.3

- Upper cabinets to have "V" grooves. Lower cabinets to have "Slab Door Style".
- Drawer boxes to be a minimum of 5/8" thick with 1/4" thick bottom supported with full extension ball bearing side-mounted drawer glides, minimum rating per glide is 75lbs.
- Doors and drawers to be 5-piece construction.
- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

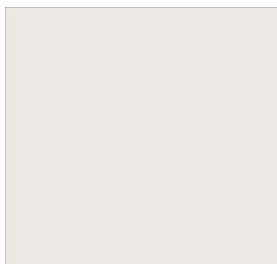


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

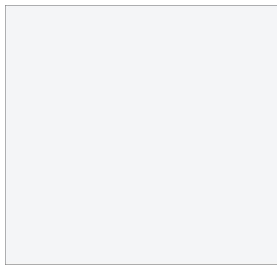
SG-114.3

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

Location: Blue and Taupe Schemes

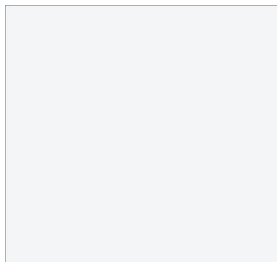


MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlaminate.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

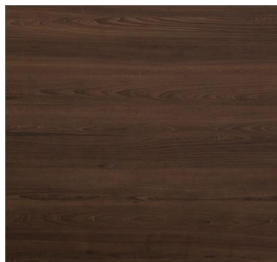


MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlaminate.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-114.3



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID:	SG-PL05
Category:	Finish
Color Name:	Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item:	Open Cubby Laminate; Base Cabinet Laminate
Location:	Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-114.3

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas: Kitchen

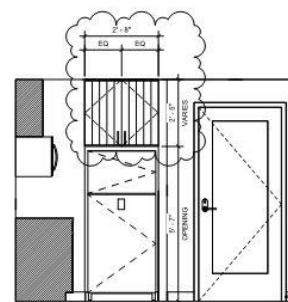
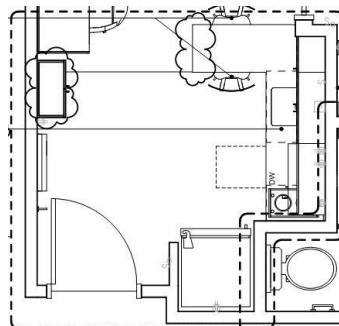
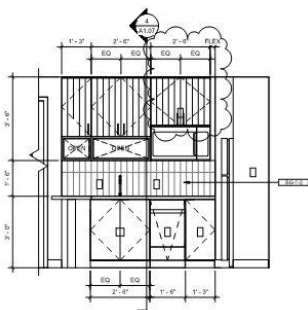
MANUFACTURER:

MGROUP
Bo Burdette
P 404.695.6796
F 706.837.0073
E Bo.Burdette@mgroupcorp.com
203 North Lewis Street
LaGrange, GA 30240
MGroupCorp.com

REP FIRM:

SPEC NO: SG-115.1
DESCRIPTION: 1 BR Cabinetry - for Urban Solution
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.
HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-115.1

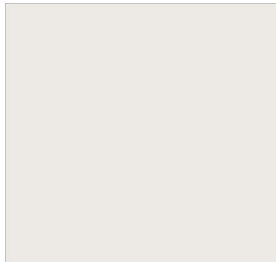
Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

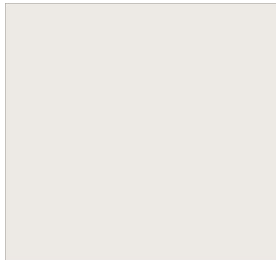


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

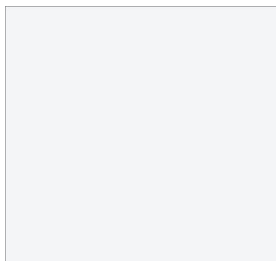


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlaminat.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:


SPEC NO:

SG-115.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

	MANUFACTURER: WilsonArt 2400 Wilson Place Temple, TX 76503-6110 800.433.3222 (Customer Service) 917.951.6524 (Amy) morgena@wilsonart.com www.wilsonartlamine.com	REPRESENTATIVE:
Spec ID: Category: Color Name: Finish: Item: Location:	SG-PL04 Finish #D354-60 Designer White Matte Upper Cabinet Laminate Blue and Taupe Schemes	
	MANUFACTURER: Stevens Wood 704 W. Main Teutopolis, IL 62467 217-857-7100 https://www.stevens-wood.com/	REPRESENTATIVE:
Spec ID: Category: Color Name: Item: Location:	SG-PL05 Finish Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL Open Cubby Laminate; Base Cabinet Laminate Blue and Taupe Schemes	
	MANUFACTURER: Stevens Wood 704 W. Main Teutopolis, IL 62467 217-857-7100 https://www.stevens-wood.com/	REPRESENTATIVE:
Spec ID: Category: Color Name: Item: Location:	SG-PL05 Finish Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL Open Cubby Laminate; Base Cabinet Laminate Blue and Taupe Schemes	

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-115.1

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas: Kitchen

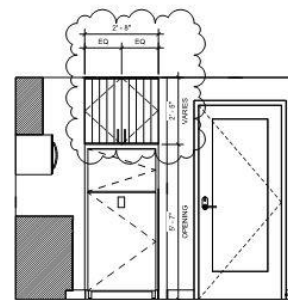
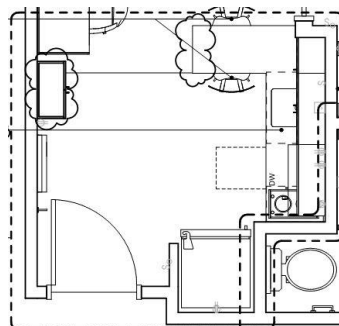
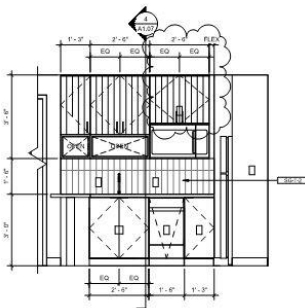
MANUFACTURER:

MILLEX
P 678-514-3400
F 678-262-3654
E orders@millex.net
1900 Buford Highway
Duluth, GA 30097
www.millex.net

REP FIRM:

SPEC NO: SG-115.2
DESCRIPTION: 1 BR Cabinetry - for Urban Solution
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.
HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:

2/28/2022

REVISION DATE:

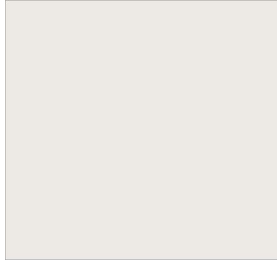
REV. NO:

SPEC NO:

SG-115.2

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

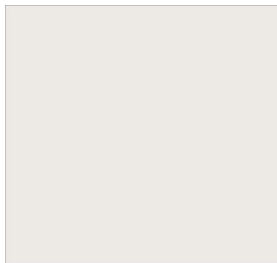


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

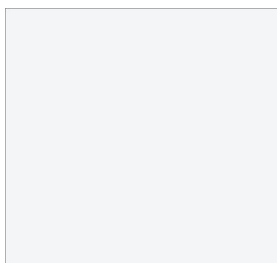


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

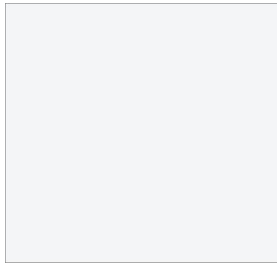
SPEC NO:

SG-115.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

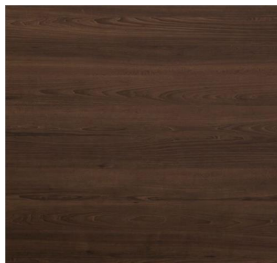
InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-115.2

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SG-115.3

DESCRIPTION:

1 BR Cabinetry - for Urban Solution

MODEL NO:

Custom

DIMENSIONS:

Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE:

Liberty Hardware Stratford 5-1/16" Center-to-Center Handle Pull in Black Stainless Steel Finish for upper cabinets. Mockett DP3A-3 3" Tab Drawer Pull in Matte Black finish for base cabinets.

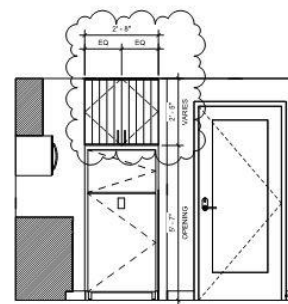
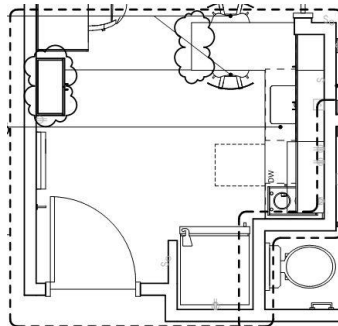
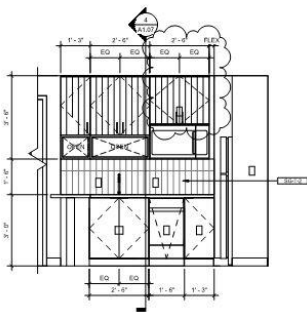
IMPORTANT:

Specification is a performance specification / design intent only; provide this or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

MATERIALS:

Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- **ATTENTION:** Kitchen countertop SG-ST1.1.1 must be identical to the SG-220 island countertop.
- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-115.3

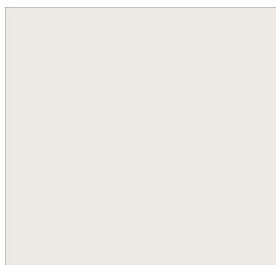
Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

- Upper cabinets to have "V" grooves. Lower cabinets to have "Slab Door Style".
- Drawer boxes to be a minimum of 5/8" thick with 1/4" thick bottom supported with full extension ball bearing side-mounted drawer glides, minimum rating per glide is 75lbs.
- Doors and drawers to be 5-piece construction.
- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

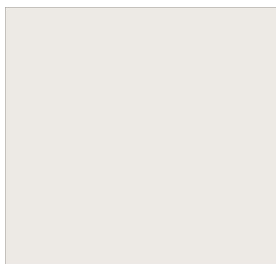


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

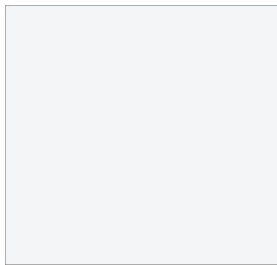
SG-115.3

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

Location: Blue and Taupe Schemes

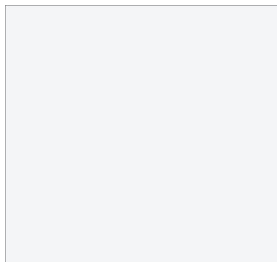


MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlaminate.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

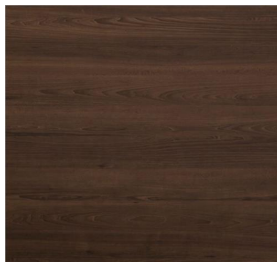


MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlaminate.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-115.3



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID:	SG-PL05
Category:	Finish
Color Name:	Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item:	Open Cubby Laminate; Base Cabinet Laminate
Location:	Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-115.3

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

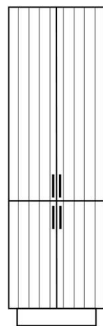
MANUFACTURER:

MGROUP
Bo Burdette
P 404.695.6796
F 706.837.0073
E Bo.Burdette@mgroupcorp.com
203 North Lewis Street
LaGrange, GA 30240
MGroupCorp.com

REP FIRM:

SPEC NO: SG-116.1
DESCRIPTION: Urban Pantry - Cabinetry for Urban Solution
MODEL NO: Custom
DIMENSIONS: 24" W x 79" H x 12" D
ITEM: Free standing food storage
FINISH/COLOR: Painted to match SW-7004 Snowbound
FRAME: White melamine, vertical v-groove detail on doors and sides
HARDWARE: Liberty Hardware Stratford 5-1/16" Center-to-Center Handle Pull in Black Stainless

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

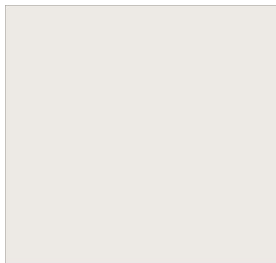
NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- Unit to have "V" grooves on doors and sides.
- Doors to be 5-piece construction.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	3/15/2021	1	SG-116.1

- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

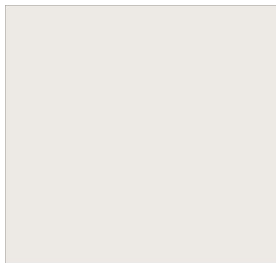


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint

ISSUE DATE:

6/15/2020

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SG-116.1

COLORWAY:

AREA: Guest Room Areas

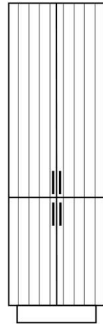
MANUFACTURER:

MILLEX
P 678-514-3400
F 678-262-3654
E orders@millex.net
1900 Buford Highway
Duluth, GA 30097
www.millex.net

REP FIRM:

SPEC NO: SG-116.2
DESCRIPTION: Urban Pantry - Cabinetry for Urban Solution
MODEL NO: Custom
DIMENSIONS: 24" W x 79" H x 12" D
ITEM: Free standing food storage
FINISH/COLOR: Painted to match SW-7004 Snowbound
FRAME: White melamine, vertical v-groove detail on doors and sides
HARDWARE: Liberty Hardware Stratford 5-1/16" Center-to-Center Handle Pull in Black Stainless

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

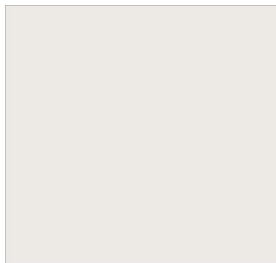
NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- Unit to have "V" grooves on doors and sides.
- Doors to be 5-piece construction.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	3/15/2021	1	SG-116.2

- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

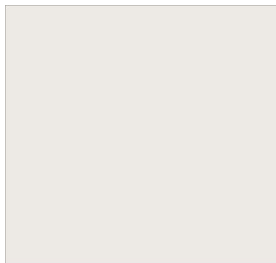


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint

ISSUE DATE:

6/15/2020

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SG-116.2

COLORWAY:

AREA: Guest Room Areas

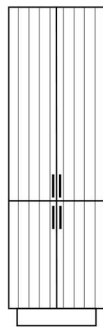
MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SG-116.3
DESCRIPTION: Urban Pantry - Cabinetry for Urban Solution
MODEL NO: Custom
DIMENSIONS: 24" W x 79" H x 12" D
ITEM: Free standing food storage
FINISH/COLOR: Painted to match SW-7004 Snowbound
FRAME: White melamine, vertical v-groove detail on doors and sides
HARDWARE: Liberty Hardware Stratford 5-1/16" Center-to-Center Handle Pull in Black Stainless

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- Unit to have "V" grooves on doors and sides.
- Doors to be 5-piece construction.
- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
3/15/2021			SG-116.3



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

3/15/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-116.3

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



ISSUE DATE:

11/10/2021

REVISION DATE:

REV. NO:

SPEC NO:

SG-117.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Kitchen

MANUFACTURER:

REP FIRM:

OWNER'S CHOICE

SPEC NO: SG-117.2

DESCRIPTION: 18" Dishwasher - for Urban Solution

DIMENSIONS: Overall: 17-5/8" W x 22" D
Minimum Height: 32-1/2"
Maximum Height: 34-1/2"

COLOR: Stainless Steel

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contract pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- Reference drawings for location.
- Installation to be per manufacture instructions.
- Manufacturer to clearly mark each carton with item ID and specification number.
- All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.

ISSUE DATE:

REVISION DATE:

REV. NO:

SPEC NO:

11/10/2021

SG-117.2

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms Accessible

MANUFACTURER:

GUEST SUPPLY
P 609-514-9696
F 609-514-2692
E eservice@guestsupply.com
4301 U.S. Highway One
Monmouth Junction, NJ 8852
www.guestsupply.com

REP FIRM:

Robert Gonzalez
PH: 770-745-3835
rgonzalez@guestsupply.com

SPEC NO: SG-118.1
DESCRIPTION: Shower Curtain - for Renovation ADA
MODEL NO: 0041533
DIMENSIONS: 36" W x 77" H

FINISH/COLOR: Taffeta / White

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- Reference drawings for location.
- Shower curtain includes removable plain weave fabric "It's a Snap" liner.
- Refer to SG-194 for coordinating shower rod specification.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SG-118.1

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

KOHLER (MUST ORDER THRU A
DISTRIBUTOR)
Lori Henderson
P (303) 818-9719 / P (For Canada: Arnel Go
416-716-0536)

E lori.henderson@kohler.com
444 Highland DR, MS 65
Kohler, WI 53044
kohlerglobalprojects.com

REP FIRM:

DISTRIBUTOR:
HD Supply
PH: MAIN: 830-730-7894 (Sunita
Patel)
PH: RENOVATIONS: 904-466-
0728 (Gary Tapley)
F: MAIN: 830-730-7894 (Sunita
Patel)
sunitaben.patel2@hdsupply.com;
Gary.Tapley@hdsupply.com

SPEC NO: SG-141.1
DESCRIPTION: Showerhead
MODEL NO: 22170-G-CP
DIMENSIONS: 5 1/2" Diameter x 4 5/16" D

FINISH: Polished Chrome
FLOW RATE: 1.75 gpm (6.6 L/Min) Maximum
PRODUCT: Multifunctional Showerhead

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Assembly and installation required on site.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/21/2022			SG-141.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Reference drawings for location.
- Refer to SG-146 for hand shower component specification.
- Refer to SG-147 for tub/shower trim kit. Refer to SG-144 for shower-only trim kit.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/21/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-141.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

KOHLER (MUST ORDER THRU A
DISTRIBUTOR)
Lori Henderson
P (303) 818-9719 / P (For Canada: Arnel Go
416-716-0536)

E lori.henderson@kohler.com
444 Highland DR, MS 65
Kohler, WI 53044
kohlerglobalprojects.com

REP FIRM:

DISTRIBUTOR:
HD Supply
PH: MAIN: 830-730-7894 (Sunita
Patel)
PH: RENOVATIONS: 904-466-
0728 (Gary Tapley)
F: MAIN: 830-730-7894 (Sunita
Patel)
sunitaben.patel2@hdsupply.com;
Gary.Tapley@hdsupply.com

SPEC NO: SG-143

DESCRIPTION: Bath Tub Drain Kit For use with 14" - 20" (356 - 508 mm) baths, whirlpools, and Bubble Massage™ air baths.

MODEL NO: Clearflo K-7160-AF

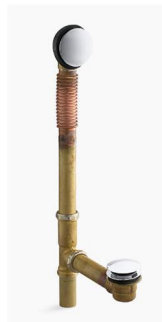
DIMENSIONS: Adjustable - For 14" (356 mm) - 16" (406 mm) deep baths.

FINISH: Brass

CONSTRUCTION: Adjustable trip lever pop-up drain. 1½" (38 mm) connection.

IMPORTANT: Specification may not include all pieces required for complete installation.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system.
- All materials and methods of construction must comply with all local fire & life safety codes.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
12/15/2022			SG-143



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Reference drawings for location.
- Quantity to be verified prior to order.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-147 for tub / shower trim kit.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

12/15/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-143

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

KOHLER (MUST ORDER THRU A
DISTRIBUTOR)
Lori Henderson
P (303) 818-9719 / P (For Canada: Arnel Go
416-716-0536)

E lori.henderson@kohler.com
444 Highland DR, MS 65
Kohler, WI 53044
kohlerglobalprojects.com

REP FIRM:

DISTRIBUTOR:
HD Supply
PH: MAIN: 830-730-7894 (Sunita
Patel)
PH: RENOVATIONS: 904-466-
0728 (Gary Tapley)
F: MAIN: 830-730-7894 (Sunita
Patel)
sunitaben.patel2@hdsupply.com;
Gary.Tapley@hdsupply.com

SPEC NO: SG-144.1
DESCRIPTION: Shower Only Trim Kit -valve NOT included
MODEL NO: Tobi Trim K-TS8981-4 / Tobi Arm & Flange K-7395
DIMENSIONS: Trim 6-1/2" Diameter/ Arm & Flange 2-1/2"Diameter x 5-3/8"Depth
FINISH: Polished Chrome

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Contractor is responsible for viewing conditions, ordering, and installing all components for a complete and functioning system.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire and life safety codes.
- Reference drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
12/15/2022			SG-144.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



-

To be completed with the Kohler Valve body & cartridge kit complete K-P8304-KS.

- Refer to SG-141 for shower head.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

12/15/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-144.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

KOHLER (MUST ORDER THRU A
DISTRIBUTOR)
Lori Henderson
P (303) 818-9719 / P (For Canada: Arnel Go
416-716-0536)

E lori.henderson@kohler.com
444 Highland DR, MS 65
Kohler, WI 53044
kohlerglobalprojects.com

REP FIRM:

DISTRIBUTOR:
HD Supply
PH: MAIN: 830-730-7894 (Sunita
Patel)
PH: RENOVATIONS: 904-466-
0728 (Gary Tapley)
F: MAIN: 830-730-7894 (Sunita
Patel)
sunitaben.patel2@hdsupply.com;
Gary.Tapley@hdsupply.com

SPEC NO: SG-146.1
DESCRIPTION: Handshower with Slide Bar at ADA Units
MODEL NO: K-22178-G-CP
DIMENSIONS: 29"H x 5" DIA spray head, x 3 7/8"D x 60" Hose, 30" Slide Bar

FINISH: Polished Chrome
FLOW RATE: 1.75 gpm (6.6 lpm) Maximum
PRODUCT: Multifunctional Showerhead

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Contractor is responsible for viewing conditions, ordering, and installing all components for a complete and functioning system.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire and life safety codes.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/21/2022			SG-146.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Reference drawings for location.
- Refer to SG-144 for valve trim kit.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/21/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-146.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

KOHLER (MUST ORDER THRU A
DISTRIBUTOR)
Lori Henderson
P (303) 818-9719 / P (For Canada: Arnel Go
416-716-0536)

E lori.henderson@kohler.com
444 Highland DR, MS 65
Kohler, WI 53044
kohlerglobalprojects.com

REP FIRM:

DISTRIBUTOR:
HD Supply
PH: MAIN: 830-730-7894 (Sunita
Patel)
PH: RENOVATIONS: 904-466-
0728 (Gary Tapley)
F: MAIN: 830-730-7894 (Sunita
Patel)
sunitaben.patel2@hdsupply.com;
Gary.Tapley@hdsupply.com

SPEC NO:	SG-147.1
DESCRIPTION:	Tub/Shower Trim Kit
MODEL NO:	TS8981-4-CP Toobi Rite-Temp(R) valve trim; 7395-CP Shower arm & flange; 22170-G-CP Showerhead
DIMENSIONS:	Shower Head Spout Reach: 6-1/2"; Shower arm & flange 5 3/8"long; Diverter Valve: 7" Diameter; Tub Spout: 2-1/2" Diameter, Tub Spout Reach: 6-1/2" (Alteo K-45131)
CONTENT:	TS8981-4-CP Toobi Rite-Temp(R) valve trim; 7395-CP Shower arm & flange; 22170-G-CP Purist Showerhead45131-CP Alteo(R) wall- mount diverter bath spout
FINISH:	Polished Chrome
IMPORTANT:	Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification
Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
12/15/2022			SG-147.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Product to be contract quality and suitable for commercial use.
- Pressure balancing mechanism maintains selected discharge temperature to +/-3 degrees.
- Per manufacturer, faucet is third party certified to meet ASME A112.18.1/CSA B125.1 and all applicable requirements referenced therein. ADA compliant for lever handle.
- Refer to SG-141 for shower head.
- Refer to Kohler tub spout-model number K-45131
- To be completed with the Kohler SG-144 VALVE.

ISSUE DATE:

12/15/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-147.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

KOHLER (MUST ORDER THRU A
DISTRIBUTOR)
Lori Henderson
P (303) 818-9719 / P (For Canada: Arnel Go
416-716-0536)

E lori.henderson@kohler.com
444 Highland DR, MS 65
Kohler, WI 53044
kohlerglobalprojects.com

REP FIRM:

DISTRIBUTOR:
HD Supply
PH: MAIN: 830-730-7894 (Sunita
Patel)
PH: RENOVATIONS: 904-466-
0728 (Gary Tapley)
F: MAIN: 830-730-7894 (Sunita
Patel)
sunitaben.patel2@hdsupply.com;
Gary.Tapley@hdsupply.com

SPEC NO: SG-152.1
DESCRIPTION: Vanity Sink w/Drain
MODEL NO: Stinson 442007-U-0
DIMENSIONS: Exterior: 20-3/16" W x 14-3/8" L; Interior: 18 3/16" W x 12-3/16" L x
5" D

FINISH/COLOR: Glazed Finish (except rim); White
INSTALLATION: Undermount

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification
Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire
& life safety codes.
- Reference drawings for details and locations.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-152.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Sink manufacturer to provide CAD drawing template to countertop manufacturer with detailed dimensions of countertop cut-out requirement needed.
- Installation to underside of stone top SG-ST1 per manufacturer instructions; manufacturer to provide complete instructions.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-153 for faucet.
- At time of RFP or purchase, notify the manufacturer / distributor for minimum order requirements to receive free freight.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-152.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SG-152.2
DESCRIPTION: Vanity Sink w/Drain
DIMENSIONS: Exterior: 20-3/16" W x 14-3/8" L; Interior: 18 3/16" W x 12-3/16" L x 5" D
FINISH: White
FINISH: Glazed Finish (except rim); White
IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Sink to include bottom sound deadening pads.
- All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-152.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Sink manufacturer to provide CAD drawing template to countertop manufacturer with detailed dimensions of countertop cut-out requirement needed.
- Installation to underside of stone top SG-ST1 per manufacturer instructions; manufacturer to provide complete instructions.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-153 for faucet.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-152.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

REP FIRM:

OWNER'S CHOICE

SPEC NO: SG-153.1
DESCRIPTION: Faucet at Bathroom Sink
DIMENSIONS: Overall Height: 4 21/64" Spout Reach: 5-5/16"
FINISH: Polished Chrome
FLOW RATE: 1.5 Gpm (5.7 L/Min) Max
IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.
INSTALLATION: Three Hole

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Sink manufacturer to provide CAD drawing template to countertop manufacturer with detailed dimensions of countertop cut-out requirement needed.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	3	SG-153.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Installation per manufacturer instructions; manufacturer to provide complete instructions.
- Caulk joints should be minimal with excess caulk wiped clean.
- At time of RFP or purchase, notify the manufacturer / distributor for minimum order requirements to receive free freight.
- Refer to SG-152 for sink.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	3	SG-153.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SG-153.2
DESCRIPTION: Faucet at Bathroom Sink
DIMENSIONS: Overall Height: 4 21/64" Spout Reach: 5-5/16"
FINISH: Polished Chrome

FLOW RATE: 1.5 Gpm (5.7 L/Min) Max
IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contract pricing is not provided for this item.

INSTALLATION: Three Hole

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-153.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Manufacturer to provide CAD drawing template to countertop manufacturer with detailed dimensions of countertop cut-out requirements needed.
- Must meet the following codes/standards: ASME A112.18/CSA B125.1, NSF/ANSI 327, all applicable US Federal and State material regulations, DOE-Energy Policy Act 1992, California Energy Commission(CEC), ADA, ICC/ANSI A117.1, CSA B651.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-152 for sink.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-153.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

WINGITS INNOVATIONS, LLC
Billy Mac
P 734-550-9701
F 732-869-9474
E sales@wingits.com
5006 Belmar Blvd.
Wall, NJ 07727
www.wingits.com

REP FIRM:

Corporate Customer Service
Ben Rapp
PH: 734-550-9701
sales@wingits.com

SPEC NO: SG-154.1
DESCRIPTION: Glass Mounted Towel Bar - at shower door
MODEL NO: WIETBGMP24
DIMENSIONS: 24"L x 0.625"W x 1.625"H
FINISH: Polished Stainless Steel

COLLECTION: Infinite Elegance

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Installation per manufacturer instructions; manufacturer to provide complete instructions.
- Mounted with concealed hardware, no exposed set screws.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-154.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-154.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

LIXIL WATER TECHNOLOGY AMERICAS /
AMERICAN STANDARDS BRANDS / GROHE
Stephanie Weston, National Project Sales -
Hospitality
P (302) 518-1704 (mobile) / P American Std.
800-442-1902; GROHE 800-444-7643

E stephanie.weston@lixil.com
30 Knightsbridge Road
Suite 301
Piscataway, NJ 08854
americanstandard-us.com; grohe.us

REP FIRM:

SPEC NO: SG-155.1
DESCRIPTION: Tub
MODEL NO: Left Hand Outlet: 2390.202; Right Hand Outlet: 2391.202
DIMENSIONS: 60" x 30" x 14" (17-1/2" for above floor installation)
COLLECTION: Princeton
COLOR: 020 White
FINISH: Americast engineered steel with glossy porcelain finish cast iron
IMPORTANT: Specification may not include all pieces required for complete installation.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Verify field dimensions prior to order or production.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	3	SG-155.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system; quantity of left/right hand outlets to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-156 for bath tub drain kit. Refer to SG-157 for tub / shower trim kit.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	3	SG-155.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SG-155.2
DESCRIPTION: Tub
DIMENSIONS: Max: 60" x 30" x 14" (17-1/2" for above floor installation)
FINISH: White

FINISH: Enameled cast iron or similar
IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system; quantity of left/right hand outlets to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-155.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Installation per manufacturer instructions; manufacturer to provide complete instructions.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-156 for bath tub drain kit. Refer to SG-157 for tub / shower trim kit.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-155.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

MINCEY MARBLE
Sales: Caitlin Mincey; Design: Amy Mobbs
P 770-532-0451
F 770-531-0935
E Sales: sales@minceymarble.com; Design:
amobbs@minceymarble.com
1940 New Harvest Road
Gainesville, GA 30507
www.minceymarble.com

REP FIRM:

Mincey Marble National Accounts
Melissa Schroeder
PH: 678-654-8600
melissa@minceymarble.com

SPEC NO: SG-158.1

DESCRIPTION: Shower Pan Base

MODEL NO: Right offset drain: TD-36-ADJ-72-OS/SF-R; Left offset drain: TD-36-ADJ-72-OS/SF-L

DIMENSIONS: Pan: 36" W x 72" L
Trench Drain Cover: 4-3/4" x 27"

INSTALLATION: Floor mounted - Pre-leveled, rests on subfloor; NOTE: Drain location is off-set (specify left or right prior to order) Drain is not included with pan; drain by others

FINISH/COLOR: 2250 White Matte with Textured Non-Slip Surface; Trench Drain Cover: Stainless Steel

IMPORTANT: Specification may not include all pieces required for complete installation.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Verify field dimensions prior to order or production.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-158.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system; quantity of left/right hand outlets to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-ST5 for shower surround. Refer to SG-159 for shower enclosure.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-158.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

36" x Up to 72" Adjustable Trench Drain Pan

For Standard Showers

TD-36-ADJ-72-OS/SF

Information & Specifications
CSI Division 22 42 23

SPECIFICATIONS

Description :	Solid One-piece Construction Shower Pan
Standard :	Mincey Classic™
Series :	Trench Drain Shower Pan
Color :	#2250 White
Finish :	Matte Finish
Construction :	Cast Marble

DIMENSIONS

Size :	36 7/8" x 72 3/4"
Curb:	3" w x 3" h
Drain Location :	Off-Set - Specify Left or Right
Drain Opening :	3 1/4"
Trench Width:	4 3/4"
Trench Drain Cover :	~ 27" Stainless Steel
Flange :	1" - 4" - Sides & Back of Pan
Weight :	TBD



Standard Powder Coated
Drain Cover



Decorative Powder
Coated Drain Cover



Solid Drain Cover



Decorative Drain Cover



STANDARD FEATURES

1. Abrasion resistant gel coat surface
2. Extremely sanitary, sealed surface
3. Pan will not mold or mildew
4. Pan floor comes with a textured non-slip finish
5. Pan is pre-leveled in factory - rests on sub floor
6. 10-year limited warranty against manufacturing defects
7. Made in the U.S.A.
8. Seamless
9. Copyright © 2000 Mincey Marble Manufacturing, Inc.™

SUGGESTED DRAINS

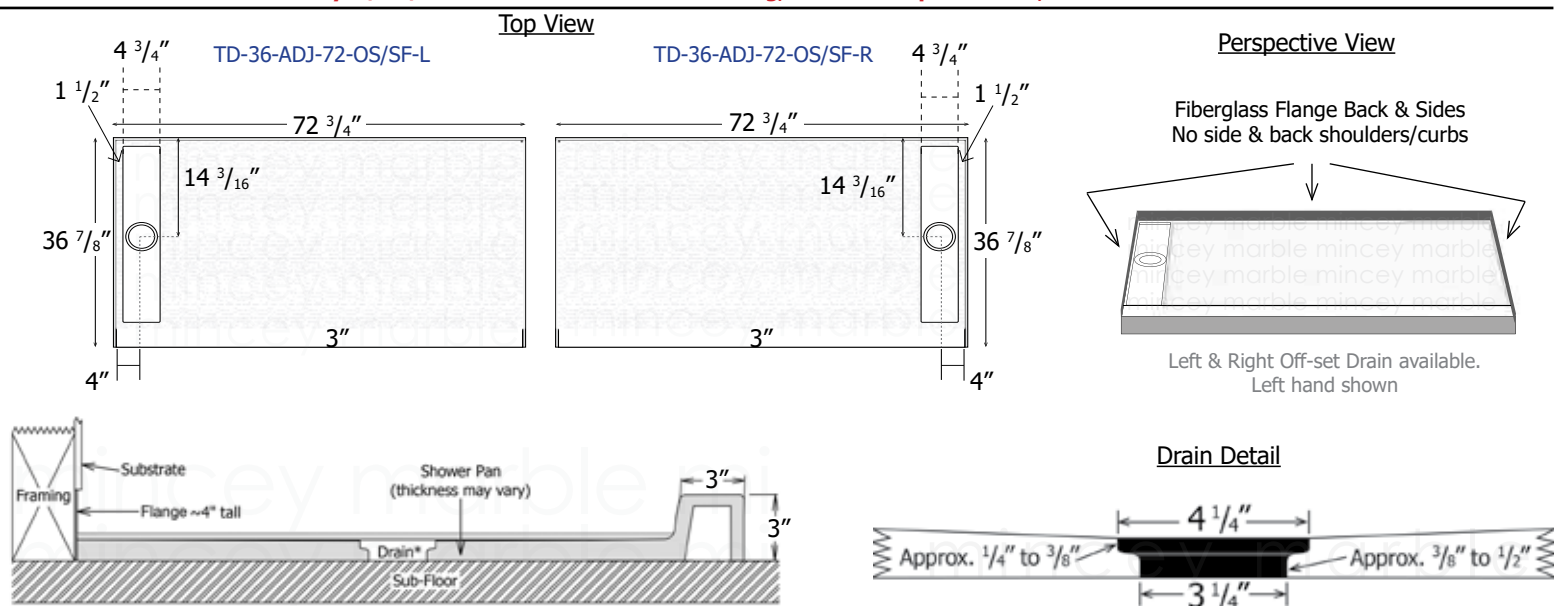
- Sioux Chief Mfg. model : 825-2P - PVC
- Oatey part number : 42045 - PVC
- Oatey part number : 42150 - Brass
- Kohler model : K9132 - Stainless Steel

STANDARDS & RATINGS

- CSA B45-5/IAPMO Z124-2011
- MAS Certification Green®, Compliant with ANSI/BIFMA X7.1 Standards
- ANSI A137.1 (Average rating of 0.65)
- ANSI A326.3 (Average rating of 0.72)
- ANSI/NFSI B101.3 (Average rating of 0.66)

NOTES

1. Drain is NOT included
2. Pan dimensions vary +/- 1/8"
3. In order to comply with manufacturer's warranty, please refer to manufacturers documents for correct material handling, installation procedures, and care and maintenance instructions.



COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

MINCEY MARBLE
Sales: Caitlin Mincey; Design: Amy Mobbs
P 770-532-0451
F 770-531-0935
E Sales: sales@minceymarble.com; Design:
amobbs@minceymarble.com
1940 New Harvest Road
Gainesville, GA 30507
www.minceymarble.com

REP FIRM:

Mincey Marble National Accounts
Melissa Schroeder
PH: 678-654-8600
melissa@minceymarble.com

SPEC NO: SG-158.1 RENO
DESCRIPTION: Shower Pan Base
MODEL NO: Right offset drain: TD-3060(4")-OS/SF-L; Left offset Drain: TD-3060(4")-OS/SF-R
DIMENSIONS: Pan: 30" W x60" L; Trench Drain Cover:4-3/4" W x 25" L
INSTALLATION: Floor mounted - Pre-leveled, rests on subfloor; NOTE: Drain location is offset (specify left or right prior to order); Drain is not included with pan; drain by others.
FINISH/COLOR: Pan: 2250 White Matte with Textured Non-Slip Surface; Trench Drain Cover: Stainless Steel
IMPORTANT: Specification may not included all pieces required for complete installation.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Verify field dimensions prior to order or production.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-158.1 RENO



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system; quantity of left/right hand outlets to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-ST5 for shower surround. Refer to SG-159 for shower enclosure.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SG-158.1 RENO

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

30" x 60" Reno Trench Drain Shower Pan

For Standard Showers

RENOVATIONS

TD-3060-OS/SF-RENO

Information & Specifications
CSI Division 22 42 23

SPECIFICATIONS

Description :	Solid One-piece Construction Shower Pan
Standard :	Mincey Classic™
Series :	Trench Drain Shower Pans
Color :	#2250 White
Finish :	Matte
Construction :	Cast Marble

DIMENSIONS

Size :	30" x 60"
Curb:	3" w x 3" h - Integral
Drain Location :	Off-Set - Specify Left or Right
Drain Opening :	3 1/4"
Trench Width:	4 3/4"
Trench Drain Cover :	~ 25" - Stainless Steel
Drain Cover :	Solid
Flange :	1" - Attached at Factory
Weight :	~ 197 lb



Standard Powder Coated
Drain Cover



Solid Drain Cover



Decorative Powder
Coated Drain Cover



Decorative Drain Cover



STANDARD FEATURES

1. Abrasion resistant gel coat surface
2. Extremely sanitary, sealed surface
3. Pan will not mold or mildew
4. Pan floor comes with a textured non-slip finish
5. Pan is pre-leveled in factory - rests on sub floor
6. 10 year limited warranty against manufacturing defects
7. Made in the U.S.A.
8. Seamless
9. Copyright © 2000, Mincey Marble, Inc.™

SUGGESTED DRAINS

- Sioux Chief Mfg. model : 825-2P - PVC
- Oatey part number : 42045 - PVC
- Oatey part number : 42150 - Brass
- Kohler model : K9132 - Stainless Steel

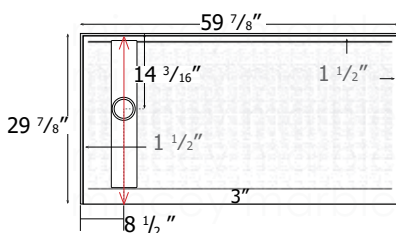
STANDARDS & RATINGS

- CSA B45-5/IAPMO Z124-2011
- MAS Certification Green®, Compliant with ANSI/BIFMA X7.1 Standards
- ASTM 1028-96 coefficient of friction test (minimum rating of 0.67)

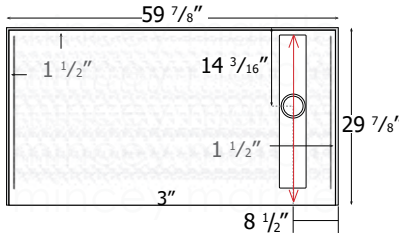
NOTES 1. Drain is NOT included 3. In order to comply with manufacturer's warranty, please refer to manufacturers documents for correct material handling, installation procedures, and care and maintenance instructions.

Top View

Product # TD-3060-OS/SF-RENO-L

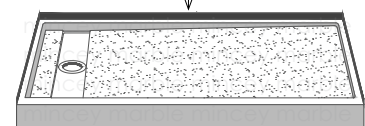


Product # TD-3060-OS/SF-RENO-R



Perspective View

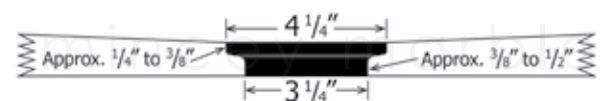
1" Flange Back & Sides



Integral 3" Curb

Left Hand Drain Shown.
Left & Right Hand Drain Available.

Drain Detail



COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

REP FIRM:

SOURCE DIRECT CONSTRUCTION IMPORTS

P 602-956-1149
F 602-842-7206
E salest@sourcedirectimports.com
4750 South 32nd Street, Suite 100
Phoenix, AZ 85040
www.sourcedirectimports.com

SPEC NO: SG-159.1.1
DESCRIPTION: Shower Enclosure - Fixed Panel
MODEL NO: Custom
DIMENSIONS: 36-1/4"W x 3/8"D; Height to be verified by GC prior to order
FINISH: Fittings: Polished Stainless, Tempered Glass: Clear

IMPORTANT: Specification may not include all pieces required for complete installation.
THICKNESS: 3/8" Tempered Glass

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Verify field dimensions prior to order or production.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system; quantity of left/right hand outlets to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-159.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Reference drawings for location.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-ST5 for shower surround. Refer to SG-158 for shower pan.
- Manufacturer to clearly mark each carton with item ID and specification number.
- Assembly and installation required on site.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-159.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

REP FIRM:

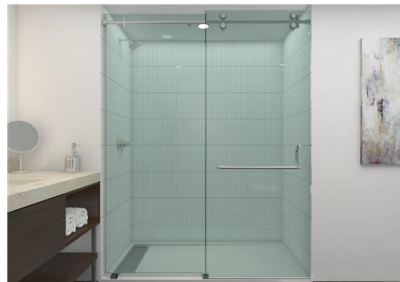
SOURCE DIRECT CONSTRUCTION IMPORTS

P 602-956-1149
F 602-842-7206
E salest@sourcedirectimports.com
4750 South 32nd Street, Suite 100
Phoenix, AZ 85040
www.sourcedirectimports.com

SPEC NO: SG-159.2.1
DESCRIPTION: Shower Enclosure -Sliding Bypass Shower Doors
MODEL NO: SDS3300DCH
DIMENSIONS: 72"W; Height to be verified by GC prior to order
FINISH: Fittings: CH-Polished Chrome; Tempered Glass: Clear

IMPORTANT: Specification may not include all pieces required for complete installation.
THICKNESS: 3/8" Tempered Glass

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Verify field dimensions prior to order or production.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system; quantity of left/right hand outlets to be verified prior to order.
- Assembly and installation required on site.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-159.2.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-ST5 for shower surround. Refer to SG-158 for shower pan.
- Manufacturer to clearly mark each carton with item ID and specification number.
- Requires 2 handle bars SG-154 that are to be mounted vertically.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-159.2.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

REP FIRM:

SOURCE DIRECT CONSTRUCTION IMPORTS

P 602-956-1149
F 602-842-7206
E salest@sourcedirectimports.com
4750 South 32nd Street, Suite 100
Phoenix, AZ 85040
www.sourcedirectimports.com

SPEC NO: SG-159.3.1
DESCRIPTION: Shower Enclosure -Sliding Bypass Shower Doors for Renovation
MODEL NO: SDS4410DCH
DIMENSIONS: 60" W; Height to be verified by GC prior to order
FINISH: Fittings: CH-Polished Chrome; Tempered Glass: Clear

IMPORTANT: Specification may not include all pieces required for complete installation.
THICKNESS: 3/8" Tempered Glass

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Verify field dimensions prior to order or production.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system; quantity of left/right hand outlets to be verified prior to order.
- Assembly and installation required on site.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-159.3.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-ST5 for shower surround. Refer to SG-158 for shower pan.
- Requires 2 handle bars SG-154 that are to be mounted vertically.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-159.3.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

AMERICAN HOTEL REGISTER COMPANY
Jason Renkens
P 847-743-1550
F 866-737-5590
E j.renkens@americanhotel.com
100 South Milwaukee Avenue
Vernon Hills, IL 60061
americanhotelregister.com

REP FIRM:

SPEC NO: SG-161.1
DESCRIPTION: Shower Curtain Rod -Curved
MODEL NO: "The Arc", by Arcs & Angles
DIMENSIONS: Designed for 60" Tub, 8" Arc
FINISH: Polished Chrome

IMPORTANT: Specification may not include all pieces required for complete installation.
MOUNTING: Mounts to wall ~3" further inside tub/shower enclosure than standard straight rods; proper blocking (provided by GC) may be required in walls for support.
MOUNTING HT: 76" AFF to center

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system; quantity of left/right hand outlets to be verified prior to order.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-161.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Refer to SG-162 for coordinating shower curtain specification.
- Manufacturer to clearly mark each carton with item ID and specification number.
- Assembly and installation required on site.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-161.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

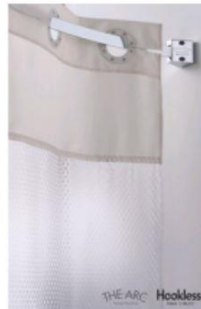
OWNER'S CHOICE

REP FIRM:

SPEC NO: SG-161.2
DESCRIPTION: Shower Curtain Rod - Curved
DIMENSIONS: Designed for 60" Tub, 8" Arc Max
FINISH: Polished Chrome

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system; quantity of left/right hand outlets to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Assembly and installation required on site.
- Reference drawings for location.
- All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-161.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Refer to SG-162 for coordinating shower curtain specification.
- Manufacturer to clearly mark each carton with item ID and specification number.
- Installation per manufacturer instructions; manufacturer to provide complete instructions.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-161.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

AMERICAN HOTEL REGISTER COMPANY
Jason Renkens
P 847-743-1550
F 866-737-5590
E jrenkens@americanhotel.com
100 South Milwaukee Avenue
Vernon Hills, IL 60061
americanhotelregister.com

REP FIRM:

SPEC NO: SG-162.1
DESCRIPTION: Shower Curtain
MODEL NO: 2240HBH52D401X Hookless Staybridge Pique Mystery with SS Rings
DIMENSIONS: 71" x 73"
FINISH: White

LOCATION: Shower rods to be used with bathtubs, not ADA showers

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- Reference drawings for location.
- Shower curtain includes removable plain weave fabric "It's a Snap" liner.
- Refer to SG-161 for coordinating shower rod specification.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-162.1

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SG-162.2

DESCRIPTION: Shower Curtain

DIMENSIONS: 71" x 73"

FINISH: White

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

LOCATION: Shower rod to be used with bathtubs, not ADA showers.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- Reference drawings for location.
- Shower curtain includes removable plain weave fabric "It's a Snap" liner.
- All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.
- Shower curtain to include removable liner.
- Refer to SG-161 for coordinating shower rod specification.

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SG-162.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-162.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

LIXIL WATER TECHNOLOGY AMERICAS /
AMERICAN STANDARDS BRANDS / GROHE
Stephanie Weston, National Project Sales -
Hospitality
P (302) 518-1704 (mobile) / P American Std.
800-442-1902; GROHE 800-444-7643

E stephanie.weston@lixil.com
30 Knightsbridge Road
Suite 301
Piscataway, NJ 08854
americanstandard-us.com; grohe.us

REP FIRM:

SPEC NO: SG-163.1
DESCRIPTION: Toilet
MODEL NO: 215CB.004; Seat: 5321.110 EverClean Elongated Seat with Slow
Close Snap-Off Hinges
DIMENSIONS: 28 1/4"L x 18 1/8"W x 28 7/8"H
COLLECTION: Cadet Pro
FINISH/COLOR: Bowl and Tank - Vitreous china, white; Trip Lever - Polished Chrome
FLOW RATE: 1.6 Gpf
HARDWARE: Trip Lever (included)
MOUNT TYPE: Floor Mount

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	4	SG-163.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system.
- Guestroom toilets require a closed front, slow-close seat and cover. Public area toilets require an open front seat (no cover).
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Flush valve to be located on the approach side of the toilet for accessibility. Contractor to confirm quantity of left and right flush valves required for each property based on restroom configuration prior to order.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	4	SG-163.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

REP FIRM:

OWNER'S CHOICE

SPEC NO: SG-163.2

DESCRIPTION: Toilet

DIMENSIONS: 28 1/4"L x 18 1/8"W x 28 7/8"H

FINISH/COLOR: Bowl and Tank - Vitreous china, white; Trip Lever - Polished Chrome

FLOW RATE: Low consumption high efficiency Gpf based on local jurisdiction

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

MOUNT TYPE: Floor mount

STYLE: Comfort height, elongated bowl, two piece

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system.
- Guestroom toilets require a closed front, slow-close seat and cover. Public area toilets require an open front seat (no cover).
- All materials and methods of construction must comply with all local fire & life safety codes.

ISSUE DATE:

REVISION DATE:

REV. NO:

SPEC NO:

11/6/2019

3/15/2021

1

SG-163.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Reference drawings for location.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- Flush valve to be located on the approach side of the toilet for accessibility. Contractor to confirm quantity of left and right flush valves required for each property based on restroom configuration prior to order.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-163.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

WINGITS INNOVATIONS, LLC
Billy Mac
P 734-550-9701
F 732-869-9474
E sales@wingits.com
5006 Belmar Blvd.
Wall, NJ 07727
www.wingits.com

REP FIRM:

Corporate Customer Service
Ben Rapp
PH: 734-550-9701
sales@wingits.com

SPEC NO:	SG-164.1
DESCRIPTION:	Toilet Tissue Dispenser
MODEL NO:	WXETPHPS
DIMENSIONS:	8.25"L x 2"H 3.625" projection
COLLECTION:	Modern Elegance
FINISH:	Polished Stainless Steel
HARDWARE:	Stainless Steel Screws (included) / Wingits available if structural blocking is not available

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system.
- Reference drawings for location.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-164.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

REP FIRM:

OWNER'S CHOICE

SPEC NO: SG-164.2
DESCRIPTION: Toilet Tissue Dispenser
DIMENSIONS: 8.25"L x 2"H 3.625" projection
FINISH: Polished Chrome

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system.
- Reference drawings for location.
- Manufacturer to clearly mark each carton with item ID and specification number.
- Wall blocking required at wall mounted locations.
- All materials and methods of construction must comply with all local fire & life safety codes.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-164.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-164.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms Accessible

MANUFACTURER:

WINGITS INNOVATIONS, LLC
Billy Mac
P 734-550-9701
F 732-869-9474
E sales@wingits.com
5006 Belmar Blvd.
Wall, NJ 07727
www.wingits.com

REP FIRM:

Corporate Customer Service
Ben Rapp
PH: 734-550-9701
sales@wingits.com

SPEC NO: SG-165.1
DESCRIPTION: Grab Bars - Typical
MODEL NO: WGB5MEPS18; WGB5MEPS36; WGB5MEPS42
DIMENSIONS: Lengths: 18"; 36"; 42" x 2.75" projection
FINISH: Polished Chrome

COLLECTION: Modern Elegance
HARDWARE: Stainless Steel Screws ((included) / Wingits available if structural blocking is not available)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Quantity verified prior to order.
- All materials and methods of construction must comply with all fire and life safety codes.
- Reference drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-165.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Blocking must be provided by the General Contractor at wall mount location. The wall plates on the grab bar must be mounted to a brace between the wall studs.
- Installation per manufacturer instructions; manufacturer to provide complete instructions.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-165.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms Accessible

MANUFACTURER:

REP FIRM:

OWNER'S CHOICE

SPEC NO: SG-165.2
DESCRIPTION: Grab Bars - Typical
DIMENSIONS: Lengths: 18"; 36"; 42"; 2.75" projection

FINISH: Polished Stainless Steel

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Quantity verified prior to order.
- All materials and methods of construction must comply with all fire and life safety codes.
- Reference drawings for location.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- Mounted with concealed hardware, no exposed set screws.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-165.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Blocking must be provided by the General Contractor at wall mount location. The wall plates on the grab bar must be mounted to a brace between the wall studs.
- Must meet the following codes/standards: ADA, IC/ANSI A117.1.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-165.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

WINGITS INNOVATIONS, LLC
Billy Mac
P 734-550-9701
F 732-869-9474
E sales@wingits.com
5006 Belmar Blvd.
Wall, NJ 07727
www.wingits.com

REP FIRM:

Corporate Customer Service
Ben Rapp
PH: 734-550-9701
sales@wingits.com

SPEC NO:	SG-166.1
DESCRIPTION:	Robe Hook
MODEL NO:	WMESRHPS
DIMENSIONS:	2" Diameter x 2" H x 2.5 projection
COLLECTION:	Modern Elegance
FINISH:	Polished Stainless Steel
HARDWARE:	Stainless Steel Screws (included) / Wingits available if structural blocking is not available

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Quantity verified prior to order.
- All materials and methods of construction must comply with all fire and life safety codes.
- Reference drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-166.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Blocking must be provided by the General Contractor at wall mount location. The wall plates on the grab bar must be mounted to a brace between the wall studs.
- Installation per manufacturer instructions; manufacturer to provide complete instructions.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-166.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SG-166.2
DESCRIPTION: Robe Hook
DIMENSIONS: 2" Diameter x 2" H x 2.5" projection

FINISH: Polished Stainless Steel

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Quantity verified prior to order.
- All materials and methods of construction must comply with all fire and life safety codes.
- Reference drawings for location.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- Mounted with concealed hardware, no exposed set screws.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-166.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Blocking must be provided by the General Contractor at wall mount location. The wall plates on the grab bar must be mounted to a brace between the wall studs.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-166.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

WINGITS INNOVATIONS, LLC
Billy Mac
P 734-550-9701
F 732-869-9474
E sales@wingits.com
5006 Belmar Blvd.
Wall, NJ 07727
www.wingits.com

REP FIRM:

Corporate Customer Service
Ben Rapp
PH: 734-550-9701
sales@wingits.com

SPEC NO: SG-178.1
DESCRIPTION: Portable Bath Seat with Tub Clamp and Legs
MODEL NO: WHPTB265150PW
DIMENSIONS: 26.5" x 15"

FINISH/COLOR: White Phenolic Seat with Stainless Bracket

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Bath seat to be of contract quality and suitable for commercial use.
- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.
- Refer to drawings for location.
- Manufacturer to clearly mark each carton with item ID and specification number.
- Seat is fully adjustable and rotates 90 degrees for left and right handed applications, with 450lbs maximum capacity.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-178.1

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms Accessible

MANUFACTURER:

MINCEY MARBLE

Sales: Caitlin Mincey; Design: Amy Mobbs

P 770-532-0451

F 770-531-0935

E Sales: sales@minceymarble.com; Design:

amobbs@minceymarble.com

1940 New Harvest Road

Gainesville, GA 30507

www.minceymarble.com

REP FIRM:

Mincey Marble National Accounts

Melissa Schroeder

PH: 678-654-8600

melissa@minceymarble.com

SPEC NO: SG-180.1
DESCRIPTION: Roll-in Shower Pan Base
MODEL NO: RI-3162-C/SF
DIMENSIONS: Pan: 31" W x 62" L
INSTALLATION: Floor mounted - Pre-leveled, rests on subfloor

COLOR: 2250 Solid White
FINISH/COLOR: 2250 Solid White / Matte Finish with Textured Non-Slip surface
IMPORTANT: Specification may no tinclude all pieces required for complete installation.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Verify field dimensions prior to order or production.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system; quantity of left/right hand outlets to be verified prior to order.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-180.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-ST5 for shower surround.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-180.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

31" x 62" Roll-In Shower Pan

For ADA Compliant Showers

RI-3162-C/SF

Information & Specifications
CSI Division 22 42 23

SPECIFICATIONS

Description :	Solid One-piece Construction Shower Pan
Standard :	Mincey Classic™
Series :	ADA Compliant Roll-In Shower Pan
Color :	#2250 White
Finish :	Matte Finish
Construction :	Cast Marble

DIMENSIONS

Size :	31" x 62"
Curb:	None
Drain Location :	Center
Drain Opening :	3 1/4"
Flange :	4" - Attached at factory
Weight :	~ 220 lb



Note The ADA code requires the finished opening of a roll-in shower pan to measure a minimum of 60" left to right and 30" front to back.

STANDARD FEATURES

1. Abrasion resistant gel coat surface
2. Extremely sanitary, sealed surface
3. Pan will not mold or mildew
4. Pan floor comes with a textured non-slip finish
5. Pan is pre-leveled in factory - rests on sub floor
6. 10-year limited warranty against manufacturing defects
7. Made in the U.S.A.
8. Seamless
9. Copyright © 2000 Mincey Marble Manufacturing, Inc.™

SUGGESTED DRAINS

- Sioux Chief Mfg. model : 825-2P - PVC
- Oatey part number : 42045 - PVC
- Oatey part number : 42150 - Brass
- Kohler model : K9132 - Stainless Steel

STANDARDS & RATINGS

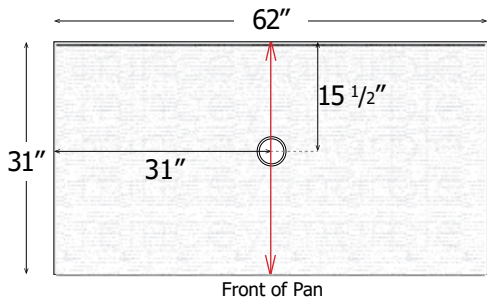
- CSA B45-5/IAPMO Z124-2011
- MAS Certification Green®, Compliant with ANSI/BIFMA X7.1 Standards
- ANSI A137.1 (Average rating of 0.65)
- ANSI A326.3 (Average rating of 0.72)
- ANSI/NFSI B101.3 (Average rating of 0.66)

NOTES 1. Drain is NOT included

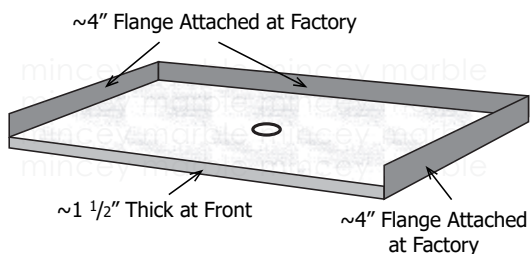
2. Pan dimensions vary +/- 1/8"

3. In order to comply with manufacturer's warranty, please refer to manufacturers documents for correct material handling, installation procedures, and care and maintenance instructions.

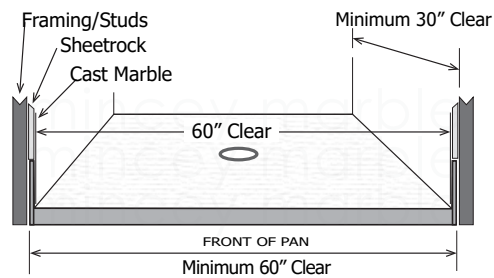
Top View



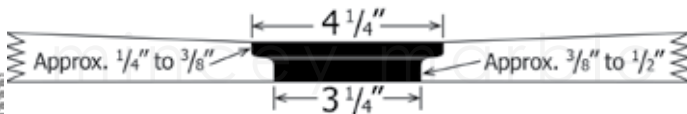
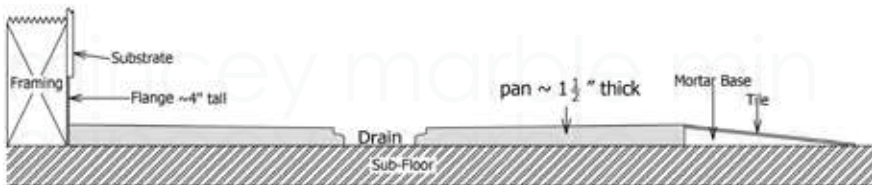
Perspective View



Based on a 31" x 62" Custom Shower Pan



Drain Detail



COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

WINGITS INNOVATIONS, LLC
Billy Mac
P 734-550-9701
F 732-869-9474
E sales@wingits.com
5006 Belmar Blvd.
Wall, NJ 07727
www.wingits.com

REP FIRM:

Corporate Customer Service
Ben Rapp
PH: 734-550-9701
sales@wingits.com

SPEC NO: SG-182.1
DESCRIPTION: Fold Up Shower Seat
MODEL NO: WSLX280225PWREV L/R
DIMENSIONS: 28" x 22.5"

FINISH/COLOR: White Phenolic Seat with Stainless Bracket

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Shower seat to be of contract quality and suitable for commercial use.
- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.
- Refer to drawings for location.
- Manufacturer to clearly mark each carton with item ID and specification number.
- Seat has load capacity for 400lbs. Seat slats are 1/2" thick and fire/mildew resistant.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	3	SG-182.1

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms Accessible

MANUFACTURER:

AMERICAN HOTEL REGISTER COMPANY
Jason Renkens
P 847-743-1550
F 866-737-5590
E jrenkens@americanhotel.com
100 South Milwaukee Avenue
Vernon Hills, IL 60061
americanhotelregister.com

REP FIRM:

SPEC NO: SG-184.1
DESCRIPTION: Shower Curtain - For ADA Roll-In Showers
MODEL NO: 2240HBH52D401X Hookless Staybridge Pique Mystery with SS Rings
DIMENSIONS: 71" x 77"
FINISH: White

LOCATION: Shower rod to be used at ADA showers.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- Reference drawings for location.
- Shower curtain includes removable plain weave fabric "It's a Snap" liner.
- All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.
- Shower curtain to include removable liner.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-184.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Refer to SG-161 for coordinating shower rod specification.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-184.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms Accessible

MANUFACTURER:

REP FIRM:

OWNER'S CHOICE

SPEC NO: SG-184.2
DESCRIPTION: Shower Curtain - For ADA Roll-in Showers
DIMENSIONS: 71" x 77"
FINISH: White

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- Reference drawings for location.
- Shower curtain includes removable plain weave fabric "It's a Snap" liner.
- All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.
- Shower curtain to include removable liner.
- Refer to SG-161 for coordinating shower rod specification.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-184.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-184.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms Accessible

MANUFACTURER:

WINGITS INNOVATIONS, LLC
Billy Mac
P 734-550-9701
F 732-869-9474
E sales@wingits.com
5006 Belmar Blvd.
Wall, NJ 07727
www.wingits.com

REP FIRM:

Corporate Customer Service
Ben Rapp
PH: 734-550-9701
sales@wingits.com

SPEC NO: SG-185.1
DESCRIPTION: Grab Bars - ADA (Tub)
MODEL NO: WGB5MEPS24; WGB5MEPS12
DIMENSIONS: Lengths: 12"; 24" x 2.75 projection
FINISH: Polished Chrome

COLLECTION: Modern Elegance
HARDWARE: Stainless Steel Screws (included) / Wingits available if structural blocking is not available.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Quantity verified prior to order.
- All materials and methods of construction must comply with all fire and life safety codes.
- Reference drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SG-185.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Blocking must be provided by the General Contractor at wall mount location. The wall plates on the grab bar must be mounted to a brace between the wall studs.
- Installation per manufacturer instructions; manufacturer to provide complete instructions.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SG-185.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms Accessible

MANUFACTURER:

REP FIRM:

OWNER'S CHOICE

SPEC NO: SG-185.2
DESCRIPTION: Grab Bars - ADA (Tub)
DIMENSIONS: Lengths: 12"; 24"
FINISH: Polished Chrome

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Quantity verified prior to order.
- All materials and methods of construction must comply with all fire and life safety codes.
- Reference drawings for location.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- Mounted with concealed hardware, no exposed set screws.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-185.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Blocking must be provided by the General Contractor at wall mount location. The wall plates on the grab bar must be mounted to a brace between the wall studs.
- Must meet the following codes/standards: ADA, IC/ANSI A117.1.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-185.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms Accessible

MANUFACTURER:

WINGITS INNOVATIONS, LLC
Billy Mac
P 734-550-9701
F 732-869-9474
E sales@wingits.com
5006 Belmar Blvd.
Wall, NJ 07727
www.wingits.com

REP FIRM:

Corporate Customer Service
Ben Rapp
PH: 734-550-9701
sales@wingits.com

SPEC NO: SG-186.1
DESCRIPTION: Grab Bars - ADA (Roll-in)
MODEL NO: WGB5MEPS24; WGB5MEPS36
DIMENSIONS: Lengths: 24"; 36" x 2.75 projection
FINISH: Polished Chrome

COLLECTION: Modern Elegance
HARDWARE: Stainless Steel Screws (included) / Wingits available if structural blocking is not available

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Quantity verified prior to order.
- All materials and methods of construction must comply with all fire and life safety codes.
- Reference drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-186.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Blocking must be provided by the General Contractor at wall mount location. The wall plates on the grab bar must be mounted to a brace between the wall studs.
- Installation per manufacturer instructions; manufacturer to provide complete instructions.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-186.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms Accessible

MANUFACTURER:

REP FIRM:

OWNER'S CHOICE

SPEC NO: SG-186.2

DESCRIPTION: Grab Bars - ADA (Roll-in)

DIMENSIONS: Lengths: 24"; 36"

FINISH: Polished Chrome

INSTALLATION: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Quantity verified prior to order.
- All materials and methods of construction must comply with all fire and life safety codes.
- Reference drawings for location.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- Mounted with concealed hardware, no exposed set screws.

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SG-186.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Blocking must be provided by the General Contractor at wall mount location. The wall plates on the grab bar must be mounted to a brace between the wall studs.
- Must meet the following codes/standards: ADA, IC/ANSI A117.1.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-186.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

MINCEY MARBLE
Sales: Caitlin Mincey; Design: Amy Mobbs
P 770-532-0451
F 770-531-0935
E Sales: sales@minceymarble.com; Design:
amobbs@minceymarble.com
1940 New Harvest Road
Gainesville, GA 30507
www.minceymarble.com

REP FIRM:

Mincey Marble National Accounts
Melissa Schroeder
PH: 678-654-8600
melissa@minceymarble.com

SPEC NO: SG-187.1
DESCRIPTION: Accessories Ledge
MODEL NO: SS-04
DIMENSIONS: 7" W x 7" L x 1-1/2" H

CONSTRUCTION: Cast Marble
FINISH/COLOR: Gloss, 2250 Solid White
INSTALLATION: Wall Mounted
LOCATION: Inside corner near shower head

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-187.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Silicone color to match surrounds.
- Showers: 1 accessories ledge with 1 foot ledge; refer to SG-188 for foot ledge specification.
- Refer to SG-ST5 for shower surround.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-187.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

MINCEY MARBLE
Sales: Caitlin Mincey; Design: Amy Mobbs
P 770-532-0451
F 770-531-0935
E Sales: sales@minceymarble.com; Design:
amobbs@minceymarble.com
1940 New Harvest Road
Gainesville, GA 30507
www.minceymarble.com

REP FIRM:

Mincey Marble National Accounts
Melissa Schroeder
PH: 678-654-8600
melissa@minceymarble.com

SPEC NO: SG-188.1
DESCRIPTION: Foot Rest
MODEL NO: FR-03-27
DIMENSIONS: 27" W x 6" D (tapers to 1/2" D) x 1-1/2" H

CONSTRUCTION: Cast Marble
FINISH/COLOR: Gloss, 2250 Solid White
HARDWARE: 3- #10 Stainless Steel Truss Head x 3" screws - included (to be used with blocking). Properties without blocking require Wingit's #MAW35-SD (not included).
IMPORTANT: Foot rest is a handed item, GC to confirm handling prior to ordering.
INSTALLATION: Wall Mounted - GC to provide blocking
LOCATION: Inside corner opposite of shower head panel

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-188.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Quantity to be verified prior to order.
- Installation to be per manufacturer instructions; manufacturer to provide complete installation instructions.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Silicone to match tile surrounds.
- Showers: 1 foot ledge with 1 accessories ledge. Refer to SG-187 for accessories ledge.
- Refer to SG-ST5 for shower surround.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-188.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

MINCEY MARBLE
Sales: Caitlin Mincey; Design: Amy Mobbs
P 770-532-0451
F 770-531-0935
E Sales: sales@minceymarble.com; Design:
amobbs@minceymarble.com
1940 New Harvest Road
Gainesville, GA 30507
www.minceymarble.com

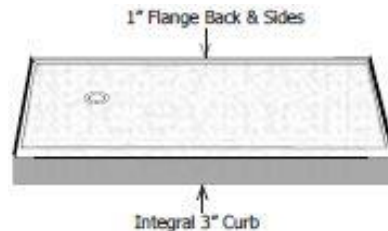
REP FIRM:

Mincey Marble National Accounts
Melissa Schroeder
PH: 678-654-8600
melissa@minceymarble.com

SPEC NO: SG-189
DESCRIPTION: Shower Pan Base - for Urban 1 BR
MODEL NO: Right offset drain: SP-3660-16" OS/SF-R; Left offset drain: SP-3660-16" OS/SF-L
DIMENSIONS: Pan: 36" W x 60" L
Drain Opening: 3-1/4"

FINISH/COLOR: 2250 White Matte with Textured Non-Slip Surface; Trench Drain Cover:
IMPORTANT: Specification may not include all pieces required for complete installation.
INSTALLATION: Floor mounted - Pre-leveled, rests on subfloor; NOTE: Drain location is offset (specify left or right prior to order) Drain is not included with pan; drain by others

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SG-189



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Verify field dimensions prior to order or production.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system; quantity of left/right hand outlets to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-ST5 for shower surround. Refer to SG-192 for shower enclosure.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-189

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

MINCEY MARBLE
Sales: Caitlin Mincey; Design: Amy Mobbs
P 770-532-0451
F 770-531-0935
E Sales: sales@minceymarble.com; Design:
amobbs@minceymarble.com
1940 New Harvest Road
Gainesville, GA 30507
www.minceymarble.com

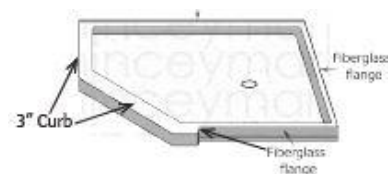
REP FIRM:

Mincey Marble National Accounts
Melissa Schroeder
PH: 678-654-8600
melissa@minceymarble.com

SPEC NO: SG-190
DESCRIPTION: Shower Pan Base - for Urban Studio
MODEL NO: Custom
DIMENSIONS: Pan: VIF
Drain Opening: 3-1/4"

FINISH/COLOR: 2250 White Matte with Textured Non-Slip Surface; Trench Drain Cover:
IMPORTANT: Specification may not include all pieces required for complete installation.
INSTALLATION: Floor mounted - Pre-leveled, rests on subfloor; NOTE: Drain location is
offset (specify left or right prior to order) Drain is not included with pan;
drain by others

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification
Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Verify field dimensions prior to order or production.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SG-190



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system; quantity of left/right hand outlets to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-ST5 for shower surround. Refer to SG-195 for shower enclosure.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-190

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

AQUAMENITIES
Wendy Haworth
P 925-938-2782

E whwaorth@aquamenities.com
2490 Arnold Industrial Way
Suite E
Concord, CA 94520
www.aquamenities.com

REP FIRM:

SPEC NO: SG-191.1
DESCRIPTION: Shower Caddy
MODEL NO: ASP300
DIMENSIONS: 7"H x 8"W x 1.5"D. Please add 1"H for pump
FINISH: Polished Chrome

HARDWARE: Proprietary Mounting Tape to be used with Silicone Caulking for quick installation

INSTALLATION: Wall Mounted

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Products to be of contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- Installation to be per manufacturer instructions; manufacturer to provide complete installation instructions.
- All materials and methods of construction must comply with all local fire & life safety codes.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-191.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Reference drawings for location.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-191.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

SOURCE DIRECT CONSTRUCTION IMPORTS

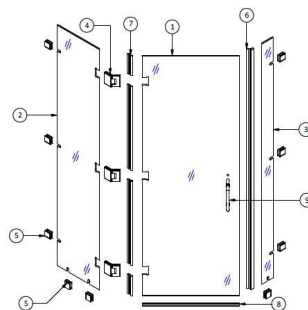
P 602-956-1149
F 602-842-7206
E salest@sourcedirectimports.com
4750 South 32nd Street, Suite 100
Phoenix, AZ 85040
www.sourcedirectimports.com

REP FIRM:

SPEC NO: SG-192.1
DESCRIPTION: Shower Enclosure - for Urban Studio
MODEL NO: Custom
DIMENSIONS: Door: VIF
Fixed Panel Dimensions: Field measuring necessary

FINISH: Fittings: CH-Polished Chrome; Tempered Glass: Clear

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Verify field dimensions prior to order or production.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system; quantity of left/right hand outlets to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Caulk joints should be minimal with excess caulk wiped clean.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SG-192.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Refer to SG-ST5 for shower surround. Refer to SG-190 for shower pan.
- Manufacturer to clearly mark each carton with item ID and specification number.
- Assembly and installation required on site.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-192.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

REP FIRM:

OWNER'S CHOICE

SPEC NO:

SG-192.2

DESCRIPTION:

Shower Enclosure - for Urban Studio

DIMENSIONS:

Door: VIF

Fixed Panel Dimensions: Field measuring necessary

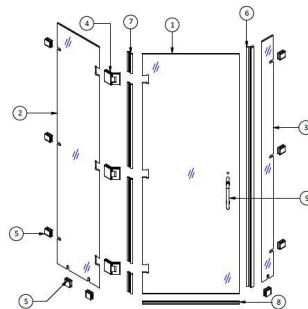
FINISH:

Fittings: CH-Polished Chrome; Tempered Glass: Clear

IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Specification may not include all pieces required for complete installation.
- Verify field dimensions prior to order or production.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system; quantity of left/right hand outlets to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-192.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-ST5 for shower surround. Refer to SG-190 for shower pan.
- Manufacturer to clearly mark each carton with item ID and specification number.
- Assembly and installation required on site.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-192.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

WINGITS INNOVATIONS, LLC
Billy Mac
P 734-550-9701
F 732-869-9474
E sales@wingits.com
5006 Belmar Blvd.
Wall, NJ 07727
www.wingits.com

REP FIRM:

Corporate Customer Service
Ben Rapp
PH: 734-550-9701
sales@wingits.com

SPEC NO: SG-193.1
DESCRIPTION: Towel Bar
MODEL NO: WIETBPS18
DIMENSIONS: 18"L x 2"H x 3.125" projection
FINISH: Polished Stainless Steel

COLLECTION: Infinite Elegance
HARDWARE: Stainless Steel Screws (included) / Wingits available if structural blocking is not available

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Products to be of contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- Installation to be per manufacturer instructions; manufacturer to provide complete installation instructions.
- All materials and methods of construction must comply with all local fire & life safety codes.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	2	SG-193.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Reference drawings for location.
- Manufacturer to clearly mark each carton with item ID and specification number.
- Blocking must be provided by the General Contractor at wall mount location. The wall plates on the grab bar must be mounted to a brace between the wall studs.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	2	SG-193.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

REP FIRM:

OWNER'S CHOICE

SPEC NO: SG-193.2
DESCRIPTION: Towel Bar
DIMENSIONS: 18"L Max.
FINISH: Polished Stainless Steel

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Products to be of contract quality and suitable for commercial use.
- Quantity to be verified prior to order.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Blocking must be provided by the General Contractor at wall mount location. The wall plates on the grab bar must be mounted to a brace between the wall studs.
- Installation to be per manufacturer instructions; manufacturer to provide complete installation instructions.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-193.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Manufacturer to clearly mark each carton with item ID and specification number.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-193.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms Accessible

MANUFACTURER:

GUEST SUPPLY
P 609-514-9696
F 609-514-2692
E eservice@guestsupply.com
4301 U.S. Highway One
Monmouth Junction, NJ 8852
www.guestsupply.com

REP FIRM:

Robert Gonzalez
PH: 770-745-3835
rgonzalez@guestsupply.com

SPEC NO: SG-194.1
DESCRIPTION: Shower Curtain Rod - for Renovation ADA
MODEL NO: 0065836
DIMENSIONS: 36" W

FINISH: Stainless Steel, Polished

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Refer to SG-118 for coordinating shower curtain specification.
- Manufacturer to clearly mark each carton with item ID and specification number.
- Assembly and installation required on site.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-194.1

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

REP FIRM:

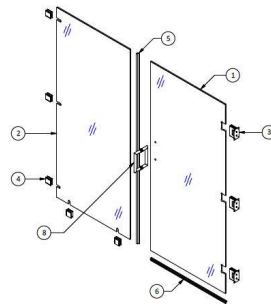
SOURCE DIRECT CONSTRUCTION IMPORTS

P 602-956-1149
F 602-842-7206
E salest@sourcedirectimports.com
4750 South 32nd Street, Suite 100
Phoenix, AZ 85040
www.sourcedirectimports.com

SPEC NO: SG-195.1
DESCRIPTION: Shower Enclosure - for Urban 1BR
MODEL NO: SDS2000X10127K1
DIMENSIONS: Door: 30" W x 65-1/2" H
Fixed Panel: 29-5/16" W x 65-1/2" H

FINISH: Fittings: Polished Stainless, Tempered Glass: Clear
IMPORTANT: Specification may not include all pieces required for complete installation.
THICKNESS: 3/8" Tempered Glass

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Verify field dimensions prior to order or production.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system; quantity of left/right hand outlets to be verified prior to order.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SG-195.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-ST5 for shower surround. Refer to SG-189 for shower pan.
- Manufacturer to clearly mark each carton with item ID and specification number.
- Assembly and installation required on site.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-195.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Guest Bathrooms

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SG-195.2

DESCRIPTION:

Shower Enclosure - for Urban 1BR

DIMENSIONS:

Door: 30" W x 65-1/2" H
Fixed Panel: 29-5/16" W x 65-1/2" H

FINISH:

Fittings: Polished Stainless, Tempered Glass: Clear

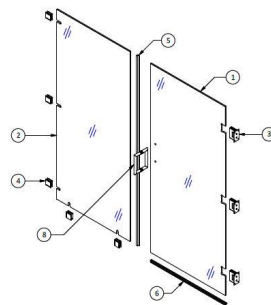
IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

THICKNESS:

3/8" Tempered Glass

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Product to be of contract quality and suitable for commercial use.
- Specification may not include all pieces required for complete installation.
- Verify field dimensions prior to order or production.
- Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system; quantity of left/right hand outlets to be verified prior to order.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-195.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- All materials and methods of construction must comply with all local fire & life safety codes.
- Reference drawings for location.
- Caulk joints should be minimal with excess caulk wiped clean.
- Refer to SG-ST5 for shower surround. Refer to SG-189 for shower pan.
- Manufacturer to clearly mark each carton with item ID and specification number.
- Assembly and installation required on site.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-195.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas

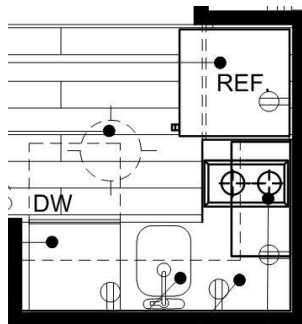
MANUFACTURER:

MGROUP
Bo Burdette
P 404.695.6796
F 706.837.0073
E Bo.Burdette@mgroupcorp.com
203 North Lewis Street
LaGrange, GA 30240
MGroupCorp.com

REP FIRM:

SPEC NO: SG-196.1
DESCRIPTION: Reno Studio Cabinetry - A and A-1 Studio Queen Kitchens
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.
HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

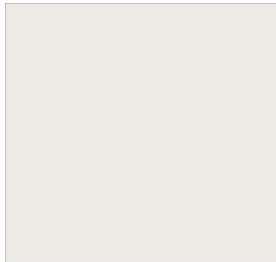
NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SG-196.1

- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

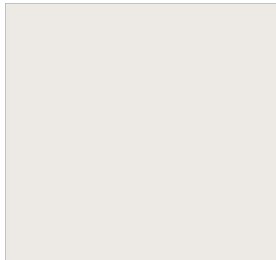


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

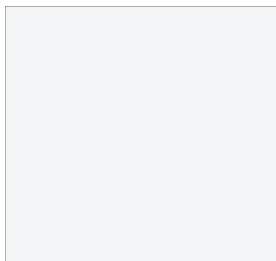


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

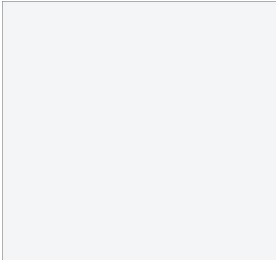

SPEC NO:

SG-196.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

	MANUFACTURER: WilsonArt 2400 Wilson Place Temple, TX 76503-6110 800.433.3222 (Customer Service) 917.951.6524 (Amy) morgena@wilsonart.com www.wilsonartlamine.com	REPRESENTATIVE:
	Spec ID: SG-PL04 Category: Finish Color Name: #D354-60 Designer White Finish: Matte Item: Upper Cabinet Laminate Location: Blue and Taupe Schemes	
	MANUFACTURER: Stevens Wood 704 W. Main Teutopolis, IL 62467 217-857-7100 https://www.stevens-wood.com/	REPRESENTATIVE:
	Spec ID: SG-PL05 Category: Finish Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL Item: Open Cubby Laminate; Base Cabinet Laminate Location: Blue and Taupe Schemes	
	MANUFACTURER: Stevens Wood 704 W. Main Teutopolis, IL 62467 217-857-7100 https://www.stevens-wood.com/	REPRESENTATIVE:
	Spec ID: SG-PL05 Category: Finish Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL Item: Open Cubby Laminate; Base Cabinet Laminate Location: Blue and Taupe Schemes	

ISSUE DATE: 2/28/2022	REVISION DATE:	REV. NO:	SPEC NO: SG-196.1
---------------------------------	-----------------------	-----------------	-----------------------------

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas

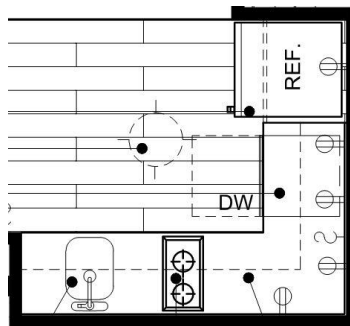
MANUFACTURER:

MGROUP
Bo Burdette
P 404.695.6796
F 706.837.0073
E Bo.Burdette@mgroupcorp.com
203 North Lewis Street
LaGrange, GA 30240
MGroupCorp.com

REP FIRM:

SPEC NO: SG-196.1 ADA
DESCRIPTION: Reno Studio Cabinetry - A2 Studio Queen ADA Kitchens
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.
HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-196.1 ADA

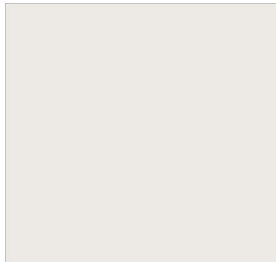
Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

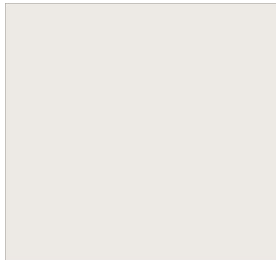


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

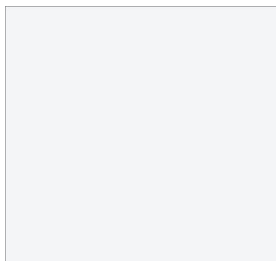


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:


SPEC NO:

SG-196.1 ADA

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

	MANUFACTURER: WilsonArt 2400 Wilson Place Temple, TX 76503-6110 800.433.3222 (Customer Service) 917.951.6524 (Amy) morgena@wilsonart.com www.wilsonartlamine.com	REPRESENTATIVE:
Spec ID: Category: Color Name: Finish: Item: Location:	SG-PL04 Finish #D354-60 Designer White Matte Upper Cabinet Laminate Blue and Taupe Schemes	
	MANUFACTURER: Stevens Wood 704 W. Main Teutopolis, IL 62467 217-857-7100 https://www.stevens-wood.com/	REPRESENTATIVE:
Spec ID: Category: Color Name: Item: Location:	SG-PL05 Finish Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL Open Cubby Laminate; Base Cabinet Laminate Blue and Taupe Schemes	
	MANUFACTURER: Stevens Wood 704 W. Main Teutopolis, IL 62467 217-857-7100 https://www.stevens-wood.com/	REPRESENTATIVE:
Spec ID: Category: Color Name: Item: Location:	SG-PL05 Finish Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL Open Cubby Laminate; Base Cabinet Laminate Blue and Taupe Schemes	

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-196.1 ADA

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas

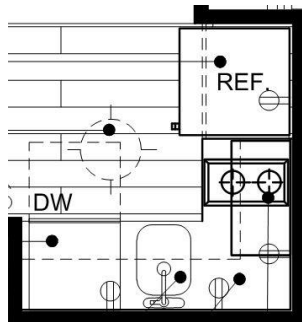
MANUFACTURER:

MILLEX
P 678-514-3400
F 678-262-3654
E orders@millex.net
1900 Buford Highway
Duluth, GA 30097
www.millex.net

REP FIRM:

SPEC NO: SG-196.2
DESCRIPTION: Reno Studio Cabinetry - A and A-1 Studio Queen Kitchens
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.
HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-196.2

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P04
Category: Shade Finish - Bottom
Color Name: #6991 Black Magic
Location: Blue and Taupe Schemes

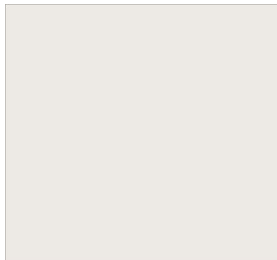


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P04
Category: Shade Finish - Bottom
Color Name: #6991 Black Magic
Location: Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

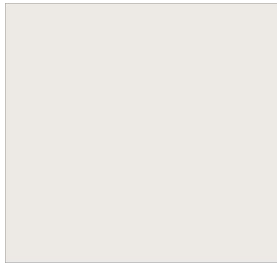
SPEC NO:

SG-196.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

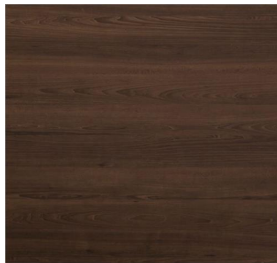


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

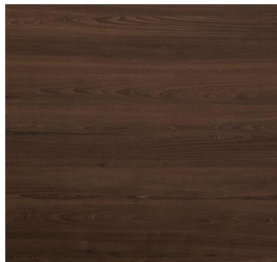


MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-196.2

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas

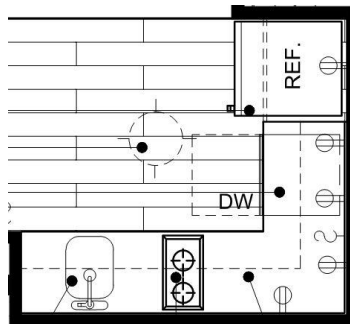
MANUFACTURER:

MILLEX
P 678-514-3400
F 678-262-3654
E orders@millex.net
1900 Buford Highway
Duluth, GA 30097
www.millex.net

REP FIRM:

SPEC NO: SG-196.2 ADA
DESCRIPTION: Reno Studio Cabinetry - A2 Studio Queen ADA Kitchens
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.
HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-196.2 ADA

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P04
Category: Shade Finish - Bottom
Color Name: #6991 Black Magic
Location: Blue and Taupe Schemes

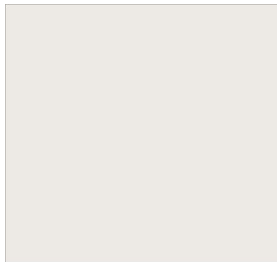


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P04
Category: Shade Finish - Bottom
Color Name: #6991 Black Magic
Location: Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

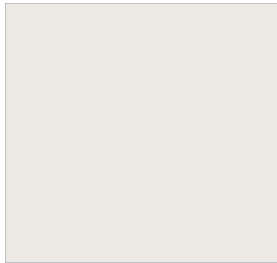
SPEC NO:

SG-196.2 ADA

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

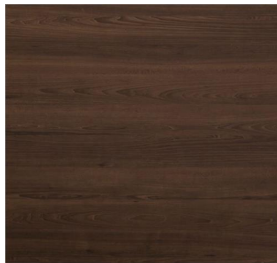


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

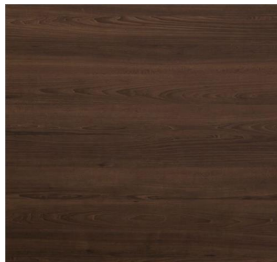


MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-196.2 ADA

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SG-196.3

DESCRIPTION:

Reno Studio Cabinetry - A and A-1 Studio Queen Kitchens

MODEL NO:

Custom

DIMENSIONS:

Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE:

Liberty Hardware Stratford 5-1/16" Center-to-Center Handle Pull in Black Stainless Finish for upper cabinets. Mockett DP3A-3 3" Tab Drawer Pull in Matte Black finish for base cabinets.

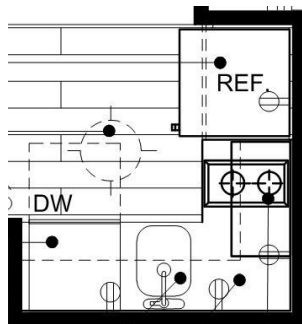
IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

MATERIALS:

Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- **ATTENTION:** Kitchen countertop SG-ST1.1.1 must be identical to the SG-220 island countertop.
- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-196.3

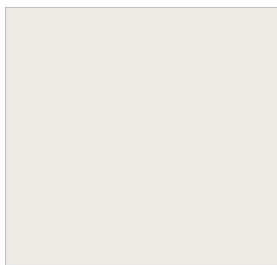
Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

- Upper cabinets to have "V" grooves. Lower cabinets to have "Slab Door Style".
- Drawer boxes to be a minimum of 5/8" thick with 1/4" thick bottom supported with full extension ball bearing side-mounted drawer glides, minimum rating per glide is 75lbs.
- Doors and drawers to be 5-piece construction.
- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

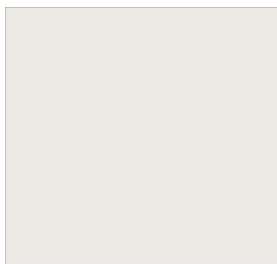


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

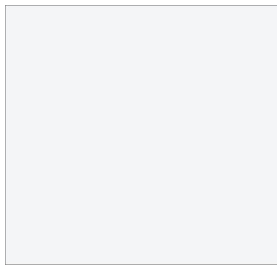
SG-196.3

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

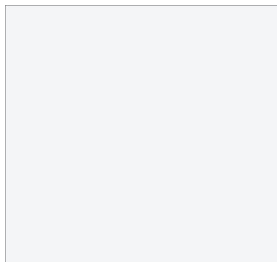
Location: Blue and Taupe Schemes



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlaminate.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlaminate.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-196.3



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID:	SG-PL05
Category:	Finish
Color Name:	Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item:	Open Cubby Laminate; Base Cabinet Laminate
Location:	Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-196.3

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SG-196.3 ADA

DESCRIPTION:

Reno Studio Cabinetry - A2 Studio Queen ADA Kitchens

MODEL NO:

Custom

DIMENSIONS:

Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE:

Liberty Hardware Stratford 5-1/16" Center-to-Center Handle Pull in Black Stainless Finish for upper cabinets. Mockett DP3A-3 3" Tab Drawer Pull in Matte Black finish for base cabinets.

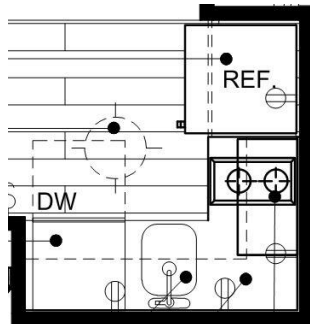
IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

MATERIALS:

Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- **ATTENTION:** Kitchen countertop SG-ST1.1.1 must be identical to the SG-220 island countertop.
- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-196.3 ADA

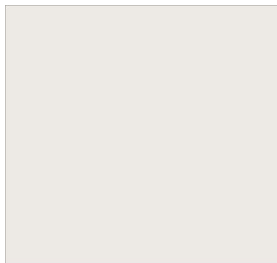
Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

- Upper cabinets to have "V" grooves. Lower cabinets to have "Slab Door Style".
- Drawer boxes to be a minimum of 5/8" thick with 1/4" thick bottom supported with full extension ball bearing side-mounted drawer glides, minimum rating per glide is 75lbs.
- Doors and drawers to be 5-piece construction.
- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

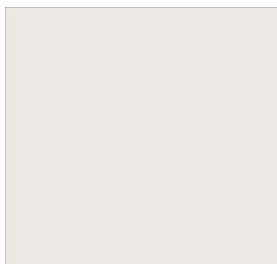


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-196.3 ADA

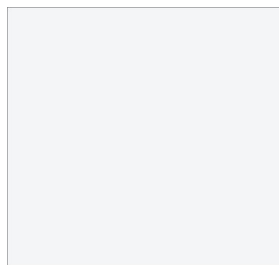
Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

Location: Blue and Taupe Schemes

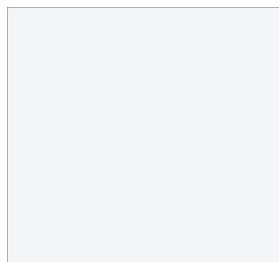


MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlaminate.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlaminate.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-196.3 ADA



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID:	SG-PL05
Category:	Finish
Color Name:	Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item:	Open Cubby Laminate; Base Cabinet Laminate
Location:	Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-196.3 ADA

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas

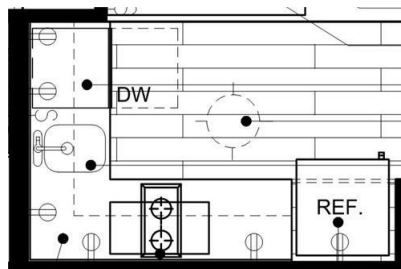
MANUFACTURER:

MGROUP
Bo Burdette
P 404.695.6796
F 706.837.0073
E Bo.Burdette@mgroupcorp.com
203 North Lewis Street
LaGrange, GA 30240
MGroupCorp.com

REP FIRM:

SPEC NO: SG-197.1
DESCRIPTION: Reno 1-Bedroom Cabinetry - 1-Bedroom B-1 King and B1-1 Queen-Queen
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.
HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-197.1

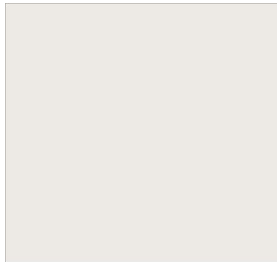
Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

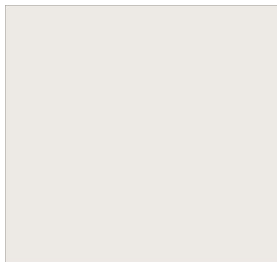


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint

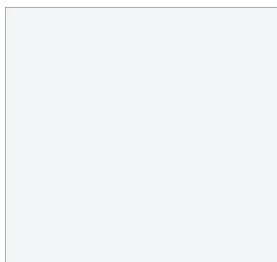


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

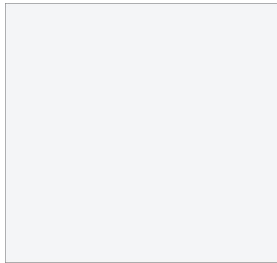
SPEC NO:

SG-197.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

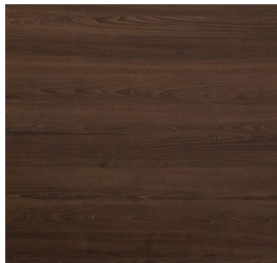
InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

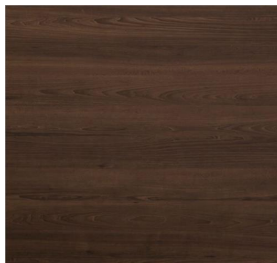
Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-197.1

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas

MANUFACTURER:

MGROUP
Bo Burdette
P 404.695.6796
F 706.837.0073
E Bo.Burdette@mgroupcorp.com
203 North Lewis Street
LaGrange, GA 30240
MGroupCorp.com

REP FIRM:

SPEC NO: SG-197.1 ADA

DESCRIPTION: Reno 1-Bedroom Cabinetry - 1-Bedroom B2-1 Queen ADA, B3-1 Queen-Queen ADA

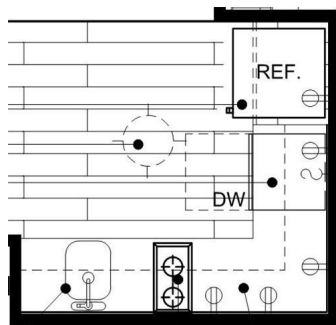
MODEL NO: Custom

DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE: Drawer and Door Pulls provided by the manufacturer

MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-197.1 ADA

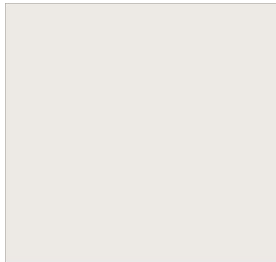
Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

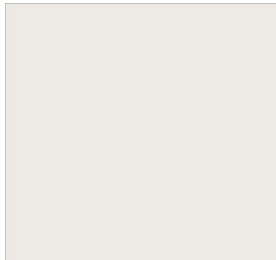


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

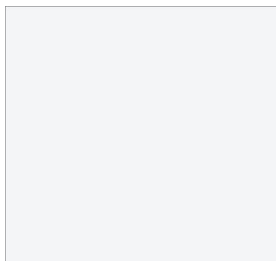


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:



SPEC NO:

SG-197.1 ADA

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

	MANUFACTURER: WilsonArt 2400 Wilson Place Temple, TX 76503-6110 800.433.3222 (Customer Service) 917.951.6524 (Amy) morgena@wilsonart.com www.wilsonartlamine.com	REPRESENTATIVE:
	Spec ID: SG-PL04 Category: Finish Color Name: #D354-60 Designer White Finish: Matte Item: Upper Cabinet Laminate Location: Blue and Taupe Schemes	
	MANUFACTURER: Stevens Wood 704 W. Main Teutopolis, IL 62467 217-857-7100 https://www.stevens-wood.com/	REPRESENTATIVE:
	Spec ID: SG-PL05 Category: Finish Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL Item: Open Cubby Laminate; Base Cabinet Laminate Location: Blue and Taupe Schemes	
	MANUFACTURER: Stevens Wood 704 W. Main Teutopolis, IL 62467 217-857-7100 https://www.stevens-wood.com/	REPRESENTATIVE:
	Spec ID: SG-PL05 Category: Finish Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL Item: Open Cubby Laminate; Base Cabinet Laminate Location: Blue and Taupe Schemes	

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-197.1 ADA

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

MILLEX
P 678-514-3400
F 678-262-3654
E orders@millex.net
1900 Buford Highway
Duluth, GA 30097
www.millex.net

REP FIRM:

SPEC NO: SG-197.2
DESCRIPTION: Reno 1-Bedroom Cabinetry - 1-Bedroom B-1 King and B1-1 Queen-Queen
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.
HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

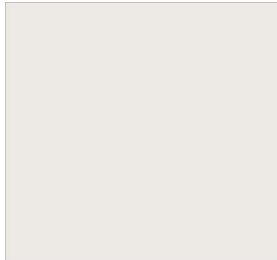
NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SG-197.2

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

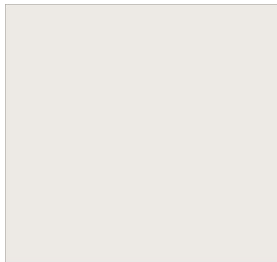


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint

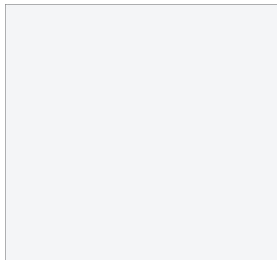


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlaminare.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

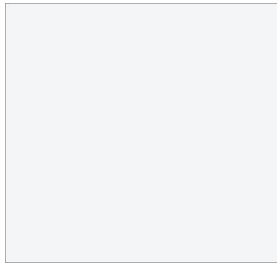
SPEC NO:

SG-197.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

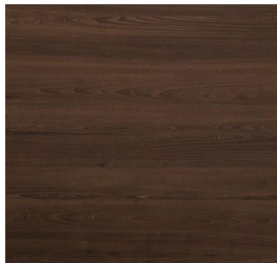
InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

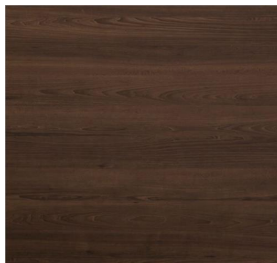
Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-197.2

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

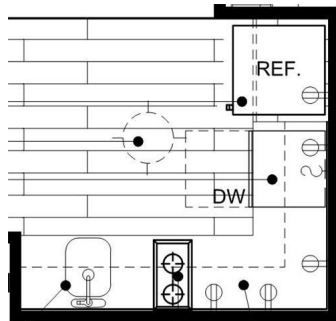
MILLEX
P 678-514-3400
F 678-262-3654
E orders@millex.net
1900 Buford Highway
Duluth, GA 30097
www.millex.net

REP FIRM:

SPEC NO: SG-197.2 ADA
DESCRIPTION: Reno 1-Bedroom Cabinetry - 1-Bedroom B2-1 Queen ADA, B3-1 Queen-Queen ADA
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

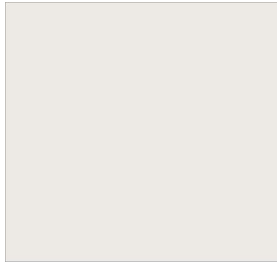
NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SG-197.2 ADA

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

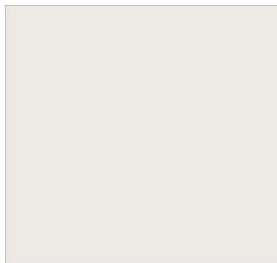


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

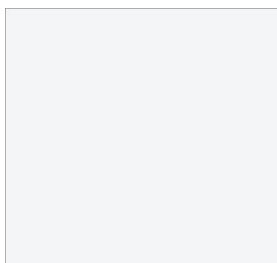


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

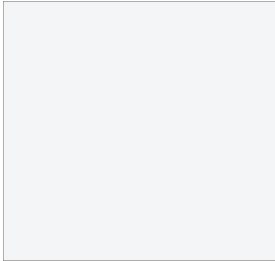
SPEC NO:

SG-197.2 ADA

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

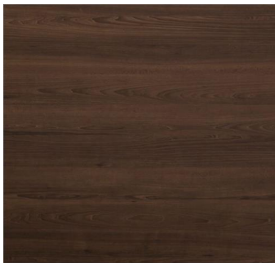
Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-197.2 ADA

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SG-197.3

DESCRIPTION:

Reno 1-Bedroom Cabinetry - 1-Bedroom B-1 King and B1-1 Queen-Queen

MODEL NO:

Custom

DIMENSIONS:

Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE:

Liberty Hardware Stratford 5-1/16" Center-to-Center Handle Pull in Black Stainless Finish for upper cabinets. Mockett DP3A-3 3" Tab Drawer Pull in Matte Black finish for base cabinets.

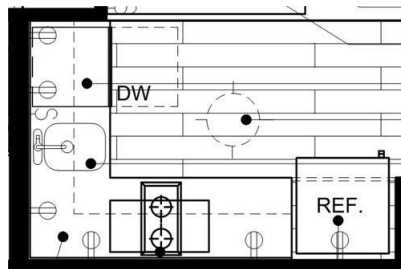
IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

MATERIALS:

Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- **ATTENTION:** Kitchen countertop SG-ST1.1.1 must be identical to the SG-220 island countertop.
- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-197.3

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

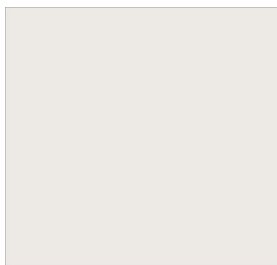
Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

- Upper cabinets to have "V" grooves. Lower cabinets to have "Slab Door Style".
- Drawer boxes to be a minimum of 5/8" thick with 1/4" thick bottom supported with full extension ball bearing side-mounted drawer glides, minimum rating per glide is 75lbs.
- Doors and drawers to be 5-piece construction.
- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

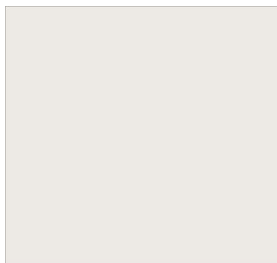


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

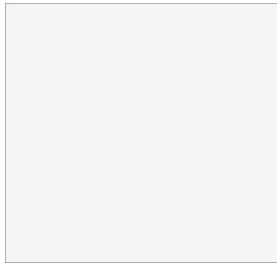
SPEC NO:

SG-197.3

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

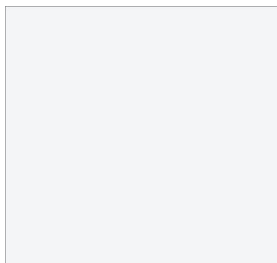
InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

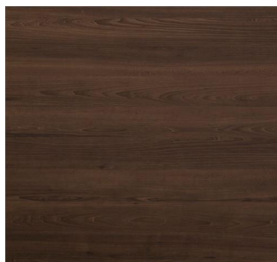
Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-197.3



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID:	SG-PL05
Category:	Finish
Color Name:	Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item:	Open Cubby Laminate; Base Cabinet Laminate

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-197.3

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SG-197.3 ADA

DESCRIPTION: Reno 1-Bedroom Cabinetry - 1-Bedroom B2-1 Queen ADA, B3-1 Queen-Queen ADA

MODEL NO: Custom

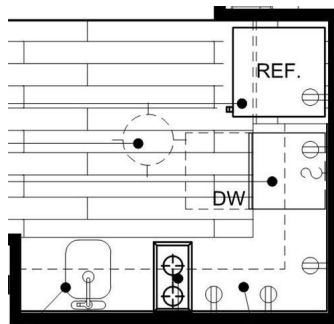
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE: Liberty Hardware Stratford 5-1/16" Center-to-Center Handle Pull in Black Stainless Finish for upper cabinets. Mockett DP3A-3 3" Tab Drawer Pull in Matte Black finish for base cabinets.

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- **ATTENTION:** Kitchen countertop SG-ST1.1.1 must be identical to the SG-220 island countertop.
- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-197.3 ADA

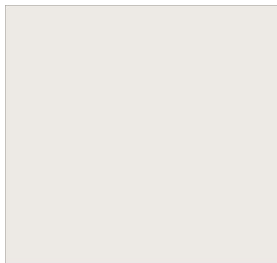
Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

- Upper cabinets to have "V" grooves. Lower cabinets to have "Slab Door Style".
- Drawer boxes to be a minimum of 5/8" thick with 1/4" thick bottom supported with full extension ball bearing side-mounted drawer glides, minimum rating per glide is 75lbs.
- Doors and drawers to be 5-piece construction.
- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

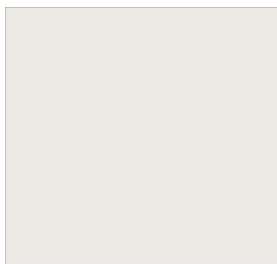


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-197.3 ADA

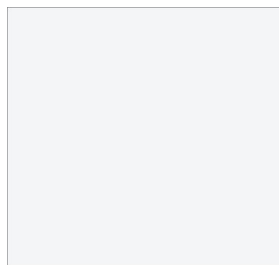
Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

Location: Blue and Taupe Schemes

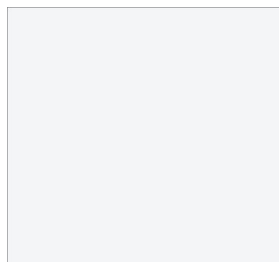


MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlaminate.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlaminate.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-197.3 ADA



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID:	SG-PL05
Category:	Finish
Color Name:	Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item:	Open Cubby Laminate; Base Cabinet Laminate
Location:	Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-197.3 ADA

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas

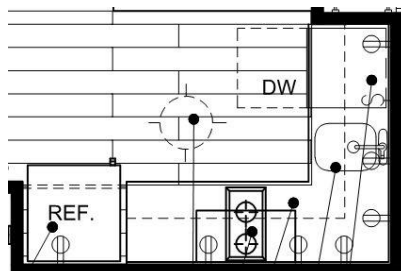
MANUFACTURER:

MGROUP
Bo Burdette
P 404.695.6796
F 706.837.0073
E Bo.Burdette@mgroupcorp.com
203 North Lewis Street
LaGrange, GA 30240
MGroupCorp.com

REP FIRM:

SPEC NO: SG-198.1
DESCRIPTION: Reno 2-Bedroom Cabinetry - C1-2-Bedroom King / Double Double, C2-2-Bedroom King King
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.
HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.

ISSUE DATE:

2/28/2022

REVISION DATE:

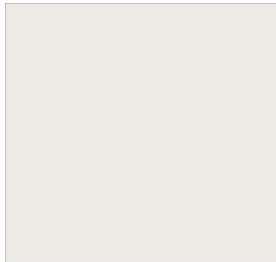
REV. NO:

SPEC NO:

SG-198.1

- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

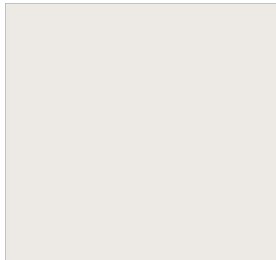


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

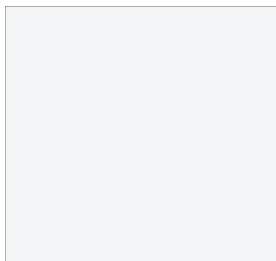


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

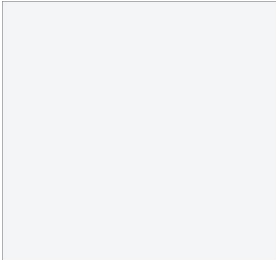


SPEC NO:

SG-198.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

	MANUFACTURER: WilsonArt 2400 Wilson Place Temple, TX 76503-6110 800.433.3222 (Customer Service) 917.951.6524 (Amy) morgena@wilsonart.com www.wilsonartlamine.com	REPRESENTATIVE:
Spec ID: Category: Color Name: Finish: Item: Location:	SG-PL04 Finish #D354-60 Designer White Matte Upper Cabinet Laminate Blue and Taupe Schemes	
	MANUFACTURER: Stevens Wood 704 W. Main Teutopolis, IL 62467 217-857-7100 https://www.stevens-wood.com/	REPRESENTATIVE:
Spec ID: Category: Color Name: Item: Location:	SG-PL05 Finish Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL Open Cubby Laminate; Base Cabinet Laminate Blue and Taupe Schemes	
	MANUFACTURER: Stevens Wood 704 W. Main Teutopolis, IL 62467 217-857-7100 https://www.stevens-wood.com/	REPRESENTATIVE:
Spec ID: Category: Color Name: Item: Location:	SG-PL05 Finish Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL Open Cubby Laminate; Base Cabinet Laminate Blue and Taupe Schemes	

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-198.1

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas

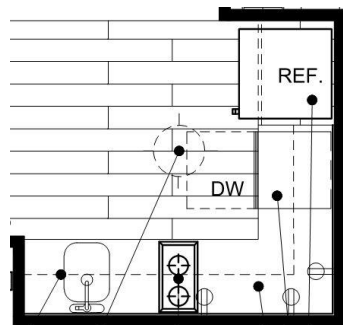
MANUFACTURER:

MGROUP
Bo Burdette
P 404.695.6796
F 706.837.0073
E Bo.Burdette@mgrouppcorp.com
203 North Lewis Street
LaGrange, GA 30240
MGroupCorp.com

REP FIRM:

SPEC NO: SG-198.1 ADA
DESCRIPTION: Reno 2-Bedroom Cabinetry - C1-2-Bedroom King / Double Double ADA
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.
HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.

ISSUE DATE:

2/28/2022

REVISION DATE:

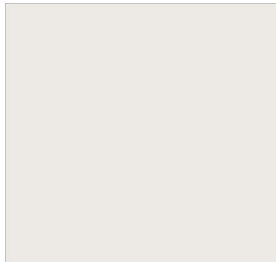
REV. NO:

SPEC NO:

SG-198.1 ADA

- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

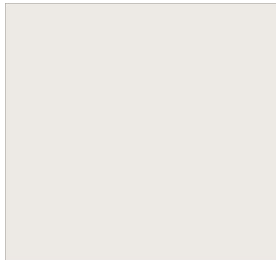


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

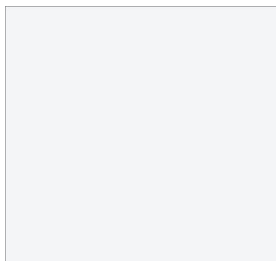


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

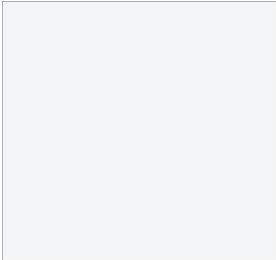


SPEC NO:

SG-198.1 ADA

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

	MANUFACTURER: WilsonArt 2400 Wilson Place Temple, TX 76503-6110 800.433.3222 (Customer Service) 917.951.6524 (Amy) morgena@wilsonart.com www.wilsonartlamine.com	REPRESENTATIVE:
Spec ID: Category: Color Name: Finish: Item: Location:	SG-PL04 Finish #D354-60 Designer White Matte Upper Cabinet Laminate Blue and Taupe Schemes	
	MANUFACTURER: Stevens Wood 704 W. Main Teutopolis, IL 62467 217-857-7100 https://www.stevens-wood.com/	REPRESENTATIVE:
Spec ID: Category: Color Name: Item: Location:	SG-PL05 Finish Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL Open Cubby Laminate; Base Cabinet Laminate Blue and Taupe Schemes	
	MANUFACTURER: Stevens Wood 704 W. Main Teutopolis, IL 62467 217-857-7100 https://www.stevens-wood.com/	REPRESENTATIVE:
Spec ID: Category: Color Name: Item: Location:	SG-PL05 Finish Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL Open Cubby Laminate; Base Cabinet Laminate Blue and Taupe Schemes	

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-198.1 ADA

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas

MANUFACTURER:

MILLEX
P 678-514-3400
F 678-262-3654
E orders@millex.net
1900 Buford Highway
Duluth, GA 30097
www.millex.net

REP FIRM:

SPEC NO: SG-198.2

DESCRIPTION: Reno 2-Bedroom Cabinetry - C1-2-Bedroom King / Double Double, C2-2-Bedroom King King

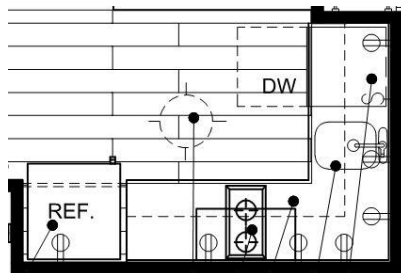
MODEL NO: Custom

DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE: Drawer and Door Pulls provided by the manufacturer

MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:

2/28/2022

REVISION DATE:

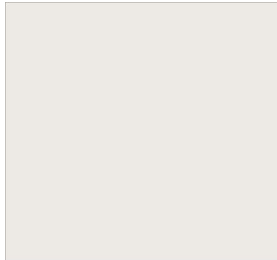
REV. NO:

SPEC NO:

SG-198.2

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

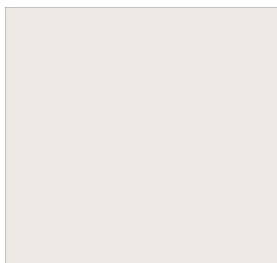


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

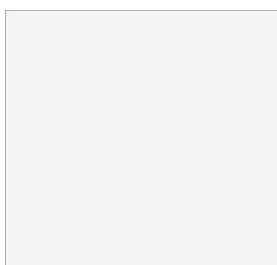


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

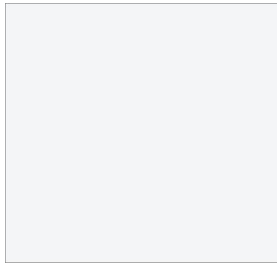
SPEC NO:

SG-198.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

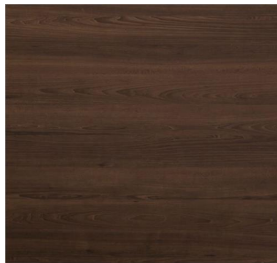
Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-198.2

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

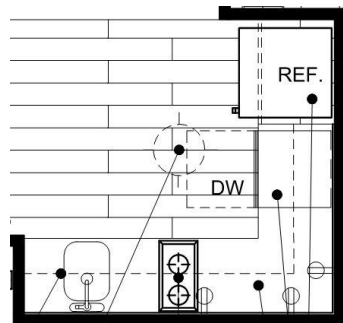
MILLEX
P 678-514-3400
F 678-262-3654
E orders@millex.net
1900 Buford Highway
Duluth, GA 30097
www.millex.net

REP FIRM:

SPEC NO: SG-198.2 ADA
DESCRIPTION: Reno 2-Bedroom Cabinetry - C1-2-Bedroom King / Double Double ADA
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

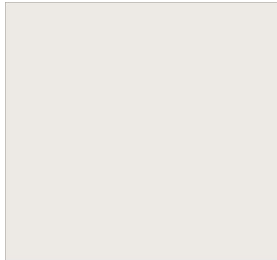
NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SG-198.2 ADA

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

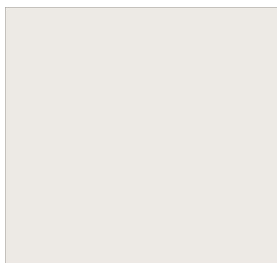


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

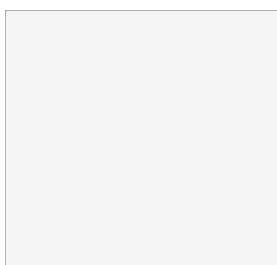


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

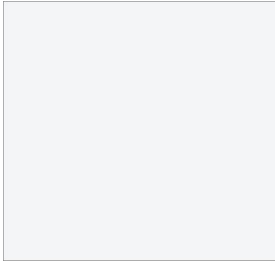
SPEC NO:

SG-198.2 ADA

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-198.2 ADA

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

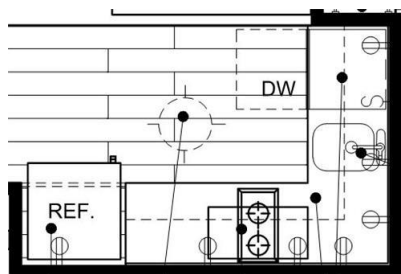
SPEC NO: SG-198.3
DESCRIPTION: Reno 2-Bedroom Cabinetry - C1-2-Bedroom King / Double Double, C2-2-Bedroom King King
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE: Liberty Hardware Stratford 5-1/16" Center-to-Center Handle Pull in Black Stainless Finish for upper cabinets. Mocket DP3A-3 3" Tab Drawer Pull in Matte Black finish for base cabinets

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- ATTENTION: Kitchen countertop SG-ST1.1.1 must be identical to the SG-220 island countertop.
- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-198.3



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



- Upper cabinets to have "V" grooves. Lower cabinets to have "Slab Door Style".
- Drawer boxes to be a minimum of 5/8" thick with 1/4" thick bottom supported with full extension ball bearing side-mounted drawer glides, minimum rating per glide is 75lbs.
- Doors and drawers to be 5-piece construction.
- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-198.3

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SG-198.3 ADA

DESCRIPTION:

Reno 2-Bedroom Cabinetry - C1-2-Bedroom King / Double Double
ADA

MODEL NO:

Custom

DIMENSIONS:

Refer to drawings; Supplier to verify on-site measurements &
provide shop drawings.

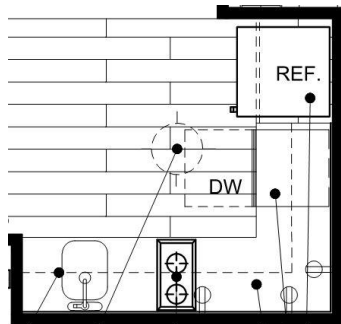
HARDWARE:

Drawer and Door Pulls provided by the manufacturer

MATERIALS:

Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification
Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:

2/28/2022

REVISION DATE:

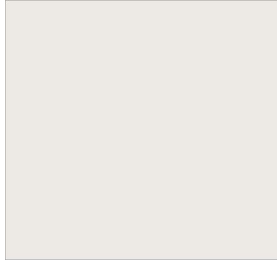
REV. NO:

SPEC NO:

SG-198.3 ADA

- Manufacturer to clearly mark each carton with item ID and specification number.

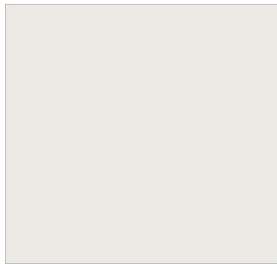
FINISHES:



MANUFACTURER:
Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint

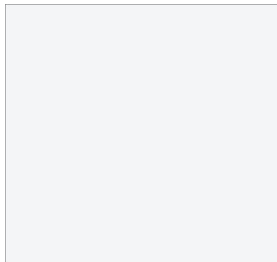
REPRESENTATIVE:



MANUFACTURER:
Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint

REPRESENTATIVE:



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlaminare.com

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate

REPRESENTATIVE:

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

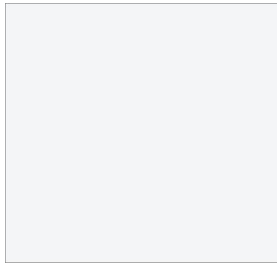
SPEC NO:

SG-198.3 ADA

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

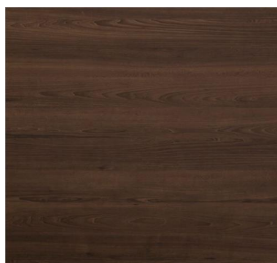
Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-198.3 ADA

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas

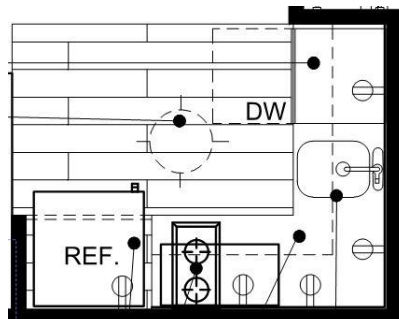
MANUFACTURER:

MGROUP
Bo Burdette
P 404.695.6796
F 706.837.0073
E Bo.Burdette@mgroupcorp.com
203 North Lewis Street
LaGrange, GA 30240
MGroupCorp.com

REP FIRM:

SPEC NO: SG-199.1
DESCRIPTION: Reno 1-Bedroom Cabinetry - 1-Bedroom Queen Chute
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.
HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-199.1

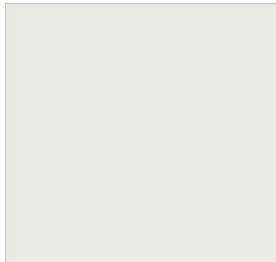
Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

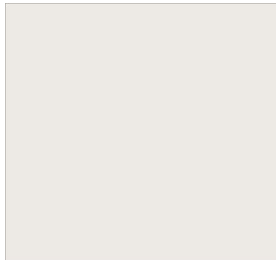


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

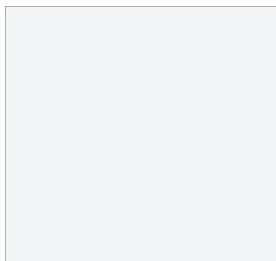


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlaminat.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:



SPEC NO:

SG-199.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

	MANUFACTURER: WilsonArt 2400 Wilson Place Temple, TX 76503-6110 800.433.3222 (Customer Service) 917.951.6524 (Amy) morgena@wilsonart.com www.wilsonartlamine.com	REPRESENTATIVE:
Spec ID: Category: Color Name: Finish: Item: Location:	SG-PL04 Finish #D354-60 Designer White Matte Upper Cabinet Laminate Blue and Taupe Schemes	
	MANUFACTURER: Stevens Wood 704 W. Main Teutopolis, IL 62467 217-857-7100 https://www.stevens-wood.com/	REPRESENTATIVE:
Spec ID: Category: Color Name: Item: Location:	SG-PL05 Finish Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL Open Cubby Laminate; Base Cabinet Laminate Blue and Taupe Schemes	
	MANUFACTURER: Stevens Wood 704 W. Main Teutopolis, IL 62467 217-857-7100 https://www.stevens-wood.com/	REPRESENTATIVE:
Spec ID: Category: Color Name: Item: Location:	SG-PL05 Finish Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL Open Cubby Laminate; Base Cabinet Laminate Blue and Taupe Schemes	

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-199.1

COLORWAY:

AREA: Guest Room Areas

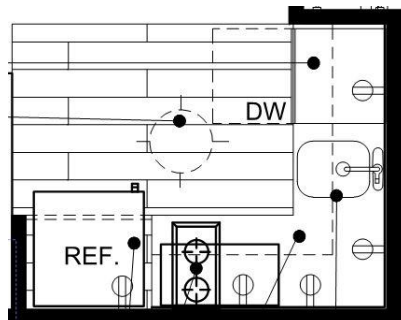
MANUFACTURER:

MILLEX
P 678-514-3400
F 678-262-3654
E orders@millex.net
1900 Buford Highway
Duluth, GA 30097
www.millex.net

REP FIRM:

SPEC NO: SG-199.2
DESCRIPTION: Reno 1-Bedroom Cabinetry - 1-Bedroom Queen Chute
MODEL NO: Custom
DIMENSIONS: Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.
HARDWARE: Drawer and Door Pulls provided by the manufacturer
MATERIALS: Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.

ISSUE DATE:

2/28/2022

REVISION DATE:

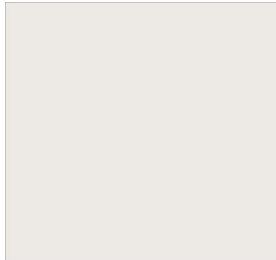
REV. NO:

SPEC NO:

SG-199.2

- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

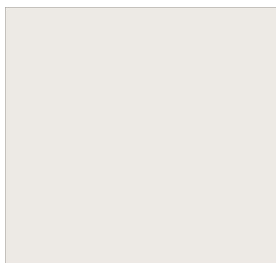


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes

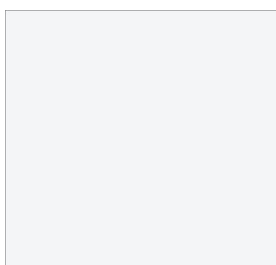


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint
Location: Blue and Taupe Schemes



MANUFACTURER:

WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

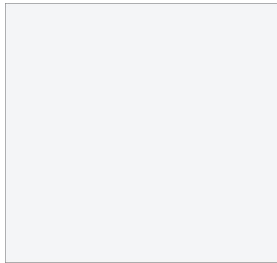
SPEC NO:

SG-199.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

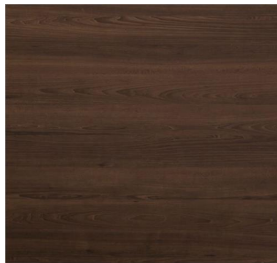
Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate
Location: Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-199.2

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SG-199.3

DESCRIPTION:

Reno 1-Bedroom Cabinetry - 1-Bedroom Queen Chute

MODEL NO:

Custom

DIMENSIONS:

Refer to drawings; Supplier to verify on-site measurements & provide shop drawings.

HARDWARE:

Liberty Hardware Stratford 5-1/16" Center-to-Center Handle Pull in Black Stainless Finish for upper cabinets. Mockett DP3A-3 3" Tab Drawer Pull in Matte Black finish for base cabinets.

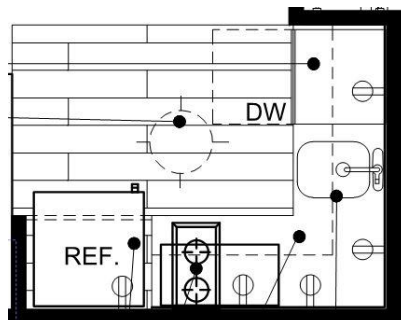
IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

MATERIALS:

Plywood, Maple Solids (Clear, Grade A), Plastic Laminates, TFL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

- ATTENTION: Kitchen countertop SG-ST1.1.1 must be identical to the SG-220 island countertop.
- Refer to drawings for details and locations of cabinets.
- Cabinet to be of contract quality and suitable for commercial use.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-199.3

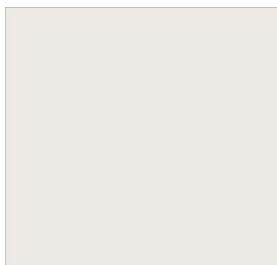
Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

- Upper cabinets to have "V" grooves. Lower cabinets to have "Slab Door Style".
- Drawer boxes to be a minimum of 5/8" thick with 1/4" thick bottom supported with full extension ball bearing side-mounted drawer glides, minimum rating per glide is 75lbs.
- Doors and drawers to be 5-piece construction.
- Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
- All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
- All wood to be kiln dried and treated to be insect and vermin free.
- All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
- Manufacturer to provide finish samples for approval prior to production.
- Ensure that pieces will fit in elevators and through doors prior to commencing fabrication.
- Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

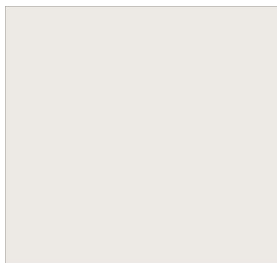


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P05
Category: Finish
Color Name: #7004 Snowbound
Item: Upper Cabinet Paint

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

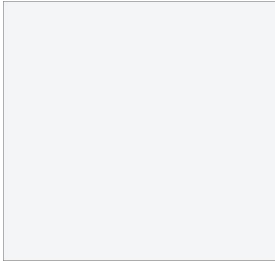
SPEC NO:

SG-199.3

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

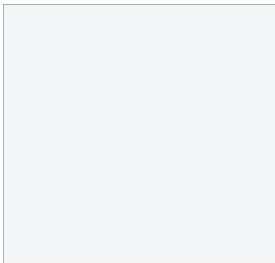
InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

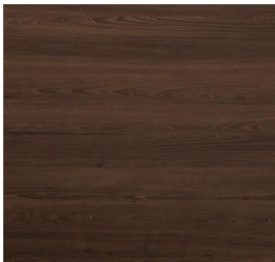
Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate



MANUFACTURER:
WilsonArt
2400 Wilson Place
Temple, TX 76503-6110
800.433.3222 (Customer Service)
917.951.6524 (Amy)
morgena@wilsonart.com
www.wilsonartlamine.com

REPRESENTATIVE:

Spec ID: SG-PL04
Category: Finish
Color Name: #D354-60 Designer White
Finish: Matte
Item: Upper Cabinet Laminate



MANUFACTURER:
Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID: SG-PL05
Category: Finish
Color Name: Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item: Open Cubby Laminate; Base Cabinet Laminate

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-199.3



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Stevens Wood
704 W. Main
Teutopolis, IL 62467
217-857-7100
<https://www.stevens-wood.com/>

REPRESENTATIVE:

Spec ID:	SG-PL05
Category:	Finish
Color Name:	Stevens Wood - Legno Collection #L03 Aliso Tokaj TFL
Item:	Open Cubby Laminate; Base Cabinet Laminate

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SG-199.3

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

BOBRICK
Accessories Customer Service
P 518-877-7444

E customerservice@bobrick.com
200 Commerce Drive, Clifton Park
New York , NY 12065

REP FIRM:

ArchSpec Sales
Joe Fife
PH: 470-242-5444
quotes@archspecsales.com

SPEC NO: SP-100.1
DESCRIPTION: Paper Towel Dispenser and Waste Receptacle at Public Restrooms
MODEL NO: B-3974
DIMENSIONS: 17-3/16" W x 56" H x 9-1/8" D; 5-1/8" D to Face of Wall
FINISH/COLOR: Stainless Steel, Satin

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system.
3. Reference drawings for location.
4. Manufacturer to clearly mark each carton with item ID and specification number.
5. Installation per manufacturer instructions; manufacturer to provide complete instructions.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-100.1

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SP-100.2

DESCRIPTION:

Paper Towel Dispenser and Waste Receptacle at Public Restrooms

DIMENSIONS:

Max: 17-3/16" W x 56" H x 9-1/8" D; 5-1/8" D to Face of Wall

FINISH/COLOR:

Stainless Steel, Satin

IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system.
3. Reference drawings for location.
4. Manufacturer to clearly mark each carton with item ID and specification number.
5. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
6. All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.
7. Wall blocking required at wall mounted locations.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-100.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

KOALA KARE
P (888) 733-3456
F (303) 539-8399
E customerservice@koalabear.com
6982 S. Quentin Street
Centennial, CO 80112
www.koalabear.com

REP FIRM:

Joe Fife
4470 Chamblee Dunwoody Road
Suite 510
Dunwoody, GA 30338
PH: (470) 242-5444
quotes@archspeccsales.com

SPEC NO: SP-101.1
DESCRIPTION: Baby Changing Station (Recessed)
MODEL NO: KB200-01 GREY
DIMENSIONS: 35-3/16" W x 18-5/32" H x 22-1/4" D; 23-3/16" D (From Face of Wall When Open)
COLOR: Grey

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system.
3. Reference drawings for location.
4. Manufacturer to clearly mark each carton with item ID and specification number.
5. Installation per manufacturer instructions; manufacturer to provide complete instructions.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	1/31/2022	2	SP-101.1

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SP-101.2

DESCRIPTION:

Baby Changing Station (Recessed)

DIMENSIONS:

35-3/16" W x 18-5/32" H x 22-1/4" D; 23-3/16" D (From Face of Wall When Open)

IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

COLOR:

Grey

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system.
3. Wall blocking required at wall mounted locations.
4. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
5. Reference drawings for location.
6. All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

1/31/2022

REV. NO:

2

SPEC NO:

SP-101.2

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

WINGITS INNOVATIONS, LLC
Billy Mac
P 734-550-9701
F 732-869-9474
E sales@wingits.com
309 Essex Road
Tinton, NJ 07753
www.wingits.com

REP FIRM:

Corporate Customer Service
Ben Rapp
PH: 734-550-9701
sales@wingits.com

SPEC NO:	SP-102.1
DESCRIPTION:	Toilet Paper Holder
MODEL NO:	WMEDTPHS
DIMENSIONS:	13" L x 2" H x 3.625 Projection
COLLECTION:	Modern Elegance
FINISH/COLOR:	Polished Stainless Steel
HARDWARE:	Stainless Steel Screws (included) / Wingits available if structural blocking is not available

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system.
3. Reference drawings for location.
4. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-102.1

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SP-102.2

DESCRIPTION:

Toilet Paper Holder

DIMENSIONS:

Max: 13" L x 2" H x 3.625 Projection

FINISH/COLOR:

Polished Stainless Steel

IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system.
3. Reference drawings for location.
4. Manufacturer to clearly mark each carton with item ID and specification number.
5. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
6. All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.
7. Wall blocking required at wall mounted locations.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-102.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

WINGITS INNOVATIONS, LLC
Billy Mac
P 734-550-9701
F 732-869-9474
E sales@wingits.com
309 Essex Road
Tinton, NJ 07753
www.wingits.com

REP FIRM:

Corporate Customer Service
Ben Rapp
PH: 734-550-9701
sales@wingits.com

SPEC NO:	SP-103.1
DESCRIPTION:	ADA Grab Bars
MODEL NO:	WGB5MEPS18; WGB5MEPS36; WGB5MEPS42
DIMENSIONS:	Lengths: 18", 36", 42" x 2.75 projection
COLLECTION:	Modern Elegance
FINISH/COLOR:	Polished Stainless Steel
HARDWARE:	Stainless Steel Screws (included) / Wingits available if structural blocking is not available

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Quantity verified prior to order.
3. All materials and methods of construction must comply with all fire and life safety codes.
4. Reference drawings for location.
5. Blocking must be provided by the General Contractor at wall mount location. The wall plates on the grab bar must be mounted to a brace between the wall studs.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-103.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Installation per manufacturer instructions; manufacturer to provide complete instructions.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-103.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-103.2

DESCRIPTION: ADA Grab Bars

DIMENSIONS: Max Lengths: 18", 36", 42" x 2.75 projection

FINISH/COLOR: Polished Stainless Steel

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Quantity verified prior to order.
3. All materials and methods of construction must comply with all fire and life safety codes.
4. Reference drawings for location.
5. All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
6. Mounted with concealed hardware, no exposed set screws.
7. Blocking must be provided by the General Contractor at wall mount location. The wall plates on the grab bar must be mounted to a brace between the wall studs.
8. Must meet the following codes/standards: ADA, IC/ANSI A117.1.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-103.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

9. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-103.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

LIXIL WATER TECHNOLOGY AMERICAS /
AMERICAN STANDARDS BRANDS / GROHE
Stephanie Weston, National Project Sales -
Hospitality
P (302) 518-1704 (mobile) / P American Std.
800-442-1902; GROHE 800-444-7643

E stephanie.weston@lixil.com
30 Knightsbridge Road
Suite 301
Piscataway, NJ 08854
americanstandard-us.com; grohe.us

REP FIRM:

SPEC NO: SP-104.1
DESCRIPTION: Toilet
MODEL NO: 215CB.004; Seat: 5321.110 EverClean Elongated Seat with Slow
Close Snap-Off Hinges
DIMENSIONS: 28 1/4"L x 18 1/8"W x 28 7/8"H
COLLECTION: Cadet Pro
FINISH/COLOR: Bowl and Tank - Vitreous china, white; Trip Lever - Polished Chrome
FLOW RATE: 1.6 Gpf
HARDWARE: Trip Lever (included)
MOUNT TYPE: Floor Mount

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	3	SP-104.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system.
3. Guestroom toilets require a closed front, slow-close seat and cover. Public area toilets require an open front seat (no cover).
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Reference drawings for location.
6. Flush valve to be located on the approach side of the toilet for accessibility. Contractor to confirm quantity of left and right flush valves required for each property based on restroom configuration prior to order.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	3	SP-104.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-104.2
DESCRIPTION: Toilet
DIMENSIONS: 28 1/4"L x 18 1/8"W x 28 7/8"H

FINISH/COLOR: Bowl and Tank - Vitreous china, white; Trip Lever - Polished Chrome
FLOW RATE: Low consumption high efficiency Gpf based on local jurisdiction
IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.
MOUNT TYPE: Floor mount
STYLE: Comfort height, elongated bowl, two piece

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Contractor is responsible for reviewing conditions, ordering, and installing all components for a complete and functioning system.
3. Guestroom toilets require a closed front, slow-close seat and cover. Public area toilets require an open front seat (no cover).
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Reference drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-104.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Flush valve to be located on the approach side of the toilet for accessibility. Contractor to confirm quantity of left and right flush valves required for each property based on restroom configuration prior to order.
7. Manufacturer to clearly mark each carton with item ID and specification number.
8. All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-104.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

KOHLER (MUST ORDER THRU A
DISTRIBUTOR)
Lori Henderson
P (303) 818-9719 / P (For Canada: Arnel Go
416-716-0536)

E lori.henderson@kohler.com
444 Highland DR, MS 65
Kohler, WI 53044
kohlerglobalprojects.com

REP FIRM:

DISTRIBUTOR:
HD Supply
PH: MAIN: 830-730-7894 (Sunita
Patel)
PH: RENOVATIONS: 904-466-
0728 (Gary Tapley)
F: MAIN: 830-730-7894 (Sunita
Patel)
sunitaben.patel2@hdsupply.com;
Gary.Tapley@hdsupply.com

SPEC NO: SP-105.1
DESCRIPTION: Vanity Sink
MODEL NO: Stinson 442007-U-O
DIMENSIONS: Exterior: 20-3/16" W x 14-3/8" L; Interior: 18-3/16" W x 12-3/16" x 5"
D
FINISH/COLOR: Glazed Finish (except rim); White
INSTALLATION: Undermount

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be contract quality and suitable for commercial use.
2. Quantity to be verified prior to order.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. Reference drawings for details and locations.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-105.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Sink manufacturer to provide CAD drawing template to countertop manufacturer with detailed dimensions of countertop cut-out requirement needed.
6. Installation to underside of stone top SP-ST1 per manufacturer instructions; manufacturer to provide complete instructions.
7. Caulk joints should be minimal with excess caulk wiped clean.
8. Refer to SP-106 for faucet.
9. At time of RFP or purchase, notify the manufacturer / distributor for minimum order requirements to receive free freight.
10. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-105.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-105.2
DESCRIPTION: Vanity Sink
DIMENSIONS: Max Exterior: 20-3/16" W x 14-3/8" L; Max Interior: 18-3/16" W x 12-3/16" x 5" D
FINISH/COLOR: Glazed Finish (except rim); White
INSTALLATION: Undermount
IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contract pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be contract quality and suitable for commercial use.
2. Quantity to be verified prior to order.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. Reference drawings for location.
5. Sink to include bottom sound deadening pads.
6. All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.
7. Sink manufacturer to provide CAD drawing template to countertop manufacturer with detailed dimensions of countertop cut-out requirement needed.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-105.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

8. Installation to underside of stone top SP-ST1 per manufacturer instructions; manufacturer to provide complete instructions.
9. Caulk joints should be minimal with excess caulk wiped clean.
10. Refer to SP-106 for faucet.
11. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-105.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

MOEN (MUST ORDER THRU A
DISTRIBUTOR)
Rebekah Hamilton Rowan
P 800-628-0216 (Customer S-877-663-6776)

E rebekah.rowan@fbgpg.com
25300 Al Moen Drive
North Olmsted, OH 44070
www.moen.com

REP FIRM:

DISTRIBUTOR:
HD Supply
PH: MAIN: 830-730-7894 (Sunita
Patel)
PH: RENOVATIONS: 800-431-
3002 x-66828 (Amy Gregory)
F: MAIN: 830-730-7894 (Sunita
Patel)
sunitaben.patel2@hdsupply.com
amy.gregory@hdsupply.com

SPEC NO: SP-106.1
DESCRIPTION: Vanity Faucet
MODEL NO: 8559
DIMENSIONS: 10-3/4" W x 5-7/8" H; Spout Reach: 4-7/8"

FINISH/COLOR: Polished Chrome
FLOW RATE: 0.5 gpm (1.9 L/min)
INSTALLATION: One Hole
IMPORTANT: Specification may not include all pieces required for complete installation.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be contract quality and suitable for commercial use.
2. Quantity to be verified prior to order.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. Reference drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	2	SP-106.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Sink manufacturer to provide CAD drawing template to countertop manufacturer with detailed dimensions of countertop cut-out requirement needed.
6. Installation per manufacturer instructions; manufacturer to provide complete instructions.
7. Caulk joints should be minimal with excess caulk wiped clean.
8. At time of RFP or purchase, notify the manufacturer / distributor for minimum order requirements to receive free freight.
9. Refer to SG-105 for sink.
10. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	11/10/2021	2	SP-106.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-106.2

DESCRIPTION: Vanity Faucet

DIMENSIONS: 10-3/4" W x 5-7/8" H; Spout Reach: 4-7/8"

FINISH/COLOR: Polished Chrome

FLOW RATE: 0.5 gpm (1.9 L/min)

INSTALLATION: One Hole

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contract pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be contract quality and suitable for commercial use.
2. Quantity to be verified prior to order.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. Reference drawings for location.
5. All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.
6. Manufacturer to provide CAD drawing template to countertop manufacturer with detailed dimensions of countertop cut-out requirements needed.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-106.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. Must meet the following codes/standards: ASME A112.18/CSA B125.1, NSF/ANSI 327, all applicable US Federal and State material regulations, DOE-Energy Policy Act 1992, California Energy Commission(CEC), ADA, ICC/ANSI A117.1, CSA B651.
8. Caulk joints should be minimal with excess caulk wiped clean.
9. Refer to SG-152 for sink.
10. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-106.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

WINGITS INNOVATIONS, LLC
Billy Mac
P 734-550-9701
F 732-869-9474
E sales@wingits.com
309 Essex Road
Tinton, NJ 07753
www.wingits.com

REP FIRM:

Corporate Customer Service
Ben Rapp
PH: 734-550-9701
sales@wingits.com

SPEC NO:	SP-107.1
DESCRIPTION:	Robe Hook
MODEL NO:	WMESRHPS
DIMENSIONS:	2" Diameter x 2" H x 2.5" projection
COLLECTION:	Modern Elegance
FINISH/COLOR:	Polished Stainless Steel
HARDWARE:	Stainless Steel Screws (included) / Wingits available if structural blocking is not available

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Quantity verified prior to order.
3. All materials and methods of construction must comply with all fire and life safety codes.
4. Reference drawings for location.
5. Blocking must be provided by the General Contractor at wall mount location.
6. Installation per manufacturer instructions; manufacturer to provide complete instructions.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-107.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-107.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-107.2

DESCRIPTION: Robe Hook

DIMENSIONS: 2" Diameter x 2" H x 2.5" projection

FINISH/COLOR: Polished Stainless Steel

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Quantity verified prior to order.
3. All materials and methods of construction must comply with all fire and life safety codes.
4. Reference drawings for location.
5. All internal hardware (Hinges, screws, bolts, etc.) shall be corrosion proof.
6. Mounted with concealed hardware, no exposed set screws.
7. Blocking must be provided by the General Contractor at wall mount location.
8. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-107.2

COLORWAY: Blue Scheme

AREA: Public Areas: Guest Laundry

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SP-108.2

DESCRIPTION:

Guest Washer & Dryer White Stackable Commercial Washer and Gas Dryer Unit

DIMENSIONS:

27"W x 29.5"D x 74"H

IMPORTANT:

Performance specification / Design intent only. Provide this product or similar. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be contract quality and suitable for commercial use.
2. Quantity to be verified prior to order.
3. Reference drawings for location.
4. Installation to be per manufacture instructions.
5. Manufacturer to clearly mark each carton with item ID and specification number.
6. Ensure that selected appliances work properly with dimensions.

ISSUE DATE:

11/10/2021

REVISION DATE:

REV. NO:

SPEC NO:

SP-108.2

COLORWAY: Blue Scheme

AREA: Public Areas: Guest Laundry

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SP-109.2

DESCRIPTION:

Guest Washer & Dryer White Stackable Commercial Washer and Electric Dryer Unit

DIMENSIONS:

27"W x 29.5"D x 74"H

IMPORTANT:

Performance specification / Design intent only. Provide this product or similar. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be contract quality and suitable for commercial use.
2. Quantity to be verified prior to order.
3. Refer to cut sheet for MFG's specifications.
4. Reference drawings for location.
5. Installation to be per manufacture instructions.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Ensure that selected appliances work properly with dimensions.

ISSUE DATE:

11/10/2021

REVISION DATE:

REV. NO:

SPEC NO:

SP-109.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Refer to cut sheet for MFG's specifications.

ISSUE DATE:

11/10/2021

REVISION DATE:

REV. NO:

SPEC NO:

SP-110.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Guest Laundry

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SP-110.2

DESCRIPTION:

Guest Washer - White Front Load Commercial Washing Machine
and ADA Pedestal

MODEL NO:

(Pedestal SOLD SEPARATELY)

DIMENSIONS:

27"W x 28 13/16"D x 37 13/16"H; Pedestal 26 1/2"W x 29"D x 4"H

IMPORTANT:

Performance specification / Design intent only. Provide this product or similar. Contracted pricing is not provided for this item. Stand-alone Commercial Washers to be considered ADA, requires a 4" Pedestal (PEDESTAL IS NOT INCLUDED W/ WASHER, SOLD SEPARATELY AND INCURS ADDITIONAL COST)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be contract quality and suitable for commercial use.
2. Quantity to be verified prior to order.
3. Refer to cut sheet for MFG's specifications.
4. Reference drawings for location.
5. Installation to be per manufacture instructions.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Ensure that selected appliances work properly with dimensions.

ISSUE DATE:

11/10/2021

REVISION DATE:

REV. NO:

SPEC NO:

SP-110.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Installation to be per manufacture instructions.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/10/2021

REVISION DATE:

REV. NO:

SPEC NO:

SP-111.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Guest Laundry

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SP-111.2

DESCRIPTION:

Guest Dryer White Commercial Gas Vented Dryer Front Load and
ADA Pedestal

MODEL NO:

(Pedestal SOLD SEPARATELY)

DIMENSIONS:

27"W X 29"D X 37 1/2"H; ADA Pedestal 26 1/2"W x 29"D x 4"H

IMPORTANT:

Performance specification / Design intent only. Provide this product or
similar. Contracted pricing is not provided for this item. Stand-alone
Commercial Dryers to be considered ADA, requires a 4" Pedestal
(PEDESTAL IS NOT INCLUDED W/ WASHER, SOLD SEPARATELY AND
INCURS ADDITIONAL COST)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification
Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be contract quality and suitable for commercial use.
2. Quantity to be verified prior to order.
3. Refer to cut sheet for MFG's specifications.
4. Reference drawings for location.
5. Installation to be per manufacture instructions.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Ensure that selected appliances work properly with dimensions.

ISSUE DATE:

11/10/2021

REVISION DATE:

REV. NO:

SPEC NO:

SP-111.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Installation to be per manufacture instructions.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/10/2021

REVISION DATE:

REV. NO:

SPEC NO:

SP-112.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Guest Laundry

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-112.2

DESCRIPTION: Guest Dryer White Commercial Electric Dryer Front Load and
ADA Pedestal

MODEL NO: (Pedestal SOLD SEPARATELY)

DIMENSIONS: 27"W X 29"D X 37 1/2"H; ADA Pedestal 26 1/2"W x 29"D x 4"H

IMPORTANT: Performance specification / Design intent only. Provide this product or similar. Contracted pricing is not provided for this item. Stand-alone Commercial Dryers to be considered ADA, requires a 4" Pedestal (PEDESTAL IS NOT INCLUDED W/ WASHER, SOLD SEPARATELY AND INCURS ADDITIONAL COST)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be contract quality and suitable for commercial use.
2. Quantity to be verified prior to order.
3. Refer to cut sheet for MFG's specifications.
4. Reference drawings for location.
5. Installation to be per manufacture instructions.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Ensure that selected appliances work properly with dimensions.

ISSUE DATE:

11/10/2021

REVISION DATE:

REV. NO:

SPEC NO:

SP-112.2

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winger | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winger@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-200.1
DESCRIPTION: Round, Resin Side Table
MODEL NO: 3855B04C15
DIMENSIONS: 20" Dia. x 24" H

HARDWARE: Adjustable Levelers provided by manufacturer

MATERIALS: Resin

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
3. Refer to drawings for location.
4. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-200.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

FINISHES:

**MANUFACTURER:**

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-200.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-200.2
DESCRIPTION: Round, Resin Side Table
MODEL NO: HSBTB-200S
DIMENSIONS: 20" Dia. x 24" H

HARDWARE: Adjustable levelers provided by manufacturer
MATERIALS: Resin

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-200.2

FINISHES:



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-200.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winingar | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winingar@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-201.1

DESCRIPTION: Coffee Table

MODEL NO: 3855B15B15

DIMENSIONS: 48" W x 24" D x 20" H

FINISH / COLOR: HPL to match SP-PL01

HARDWARE: Adjustable levelers by manufacturer

MATERIALS: HPL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-201.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL01
Category:	Finish
Color Name:	#6452 Smoke Ash
Finish:	Matte
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-201.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-201.2

DESCRIPTION: Coffee Table

MODEL NO: HSBTB-201S

DIMENSIONS: 48" W x 24" D x 20" H

FINISH / COLOR: HPL to match SP-PL01

HARDWARE: Adjustable levelers by manufacturer

MATERIALS: HPL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.

ISSUE DATE:

11/6/2019

REVISION DATE:

12/5/2019

REV. NO:

1

SPEC NO:

SP-201.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL01
Category:	Finish
Color Name:	#6452 Smoke Ash
Finish:	Matte
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	12/5/2019	1	SP-201.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winger | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winger@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-202.1
DESCRIPTION: Game Table
MODEL NO: 3855B07F15
DIMENSIONS: 30" H x 54" Dia.

BASE: Bottom-Metal Brushed Stainless Steel
EDGE: Stone Top: 3/4" with Eased Edge
FINISH / COLOR: Top: SP-ST02, Base: Stained to match SP-PL01
HARDWARE: Adjustable levelers provided by manufacturer
MATERIALS: Ash Solids and Quarter Sliced Ash Veneer

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-202.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

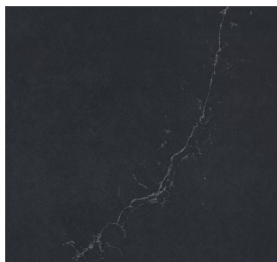


MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Blue and Taupe Schemes



MANUFACTURER:

Silestone
355 Alhambra Circle, Suite 1000
Coral Gables, FL 33134
786 686 5060
877 532 6394
CS@cosentino.com
silestone.usa.com

REPRESENTATIVE:

Spec ID: SP-ST02
Category: Finish
Color Name: Silestone Charcoal Soapstone
Finish: Honed
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-202.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-202.2
DESCRIPTION: Game Table
MODEL NO: HSBTB-202S
DIMENSIONS: 30-3/8" H x 54" Dia.

EDGE: Stone Top: 3/4" with Eased Edge
FINISH: Bottom-Metal Brushed Stainless Steel
FINISH / COLOR: Top: SP-ST02, Base: Stained to match SP-PL01
HARDWARE: Adjustable levelers provided by manufacturer
MATERIALS: Ash Solids and Quarter Sliced Ash Veneer

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/15/2019	4/15/2021	3	SP-202.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

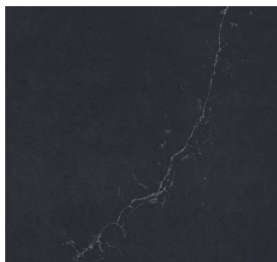


MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Blue and Taupe Schemes



MANUFACTURER:

Silestone
355 Alhambra Circle, Suite 1000
Coral Gables, FL 33134
786 686 5060
877 532 6394
CS@cosentino.com
silestone.usa.com

REPRESENTATIVE:

Spec ID: SP-ST02
Category: Finish
Color Name: Silestone Charcoal Soapstone
Finish: Honed
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/15/2019	4/15/2021	3	SP-202.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winger | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winger@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-203.1
DESCRIPTION: Square Side Table
MODEL NO: 3855B16B15
DIMENSIONS: 25" W x 25" D x 22" H

FINISH / COLOR: Stained to match SP-PL01
MATERIALS: Ash Solids and Quarter Sliced Ash Veneer

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-203.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL01
Category:	Finish
Color Name:	#6452 Smoke Ash
Finish:	Matte
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-203.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-203.2

DESCRIPTION: Square Side Table

MODEL NO: HSBTB203S

DIMENSIONS: 25" W x 25" D x 22" H

FINISH / COLOR: Stained to match SP-PL01

MATERIALS: Ash Solids and Quarter Sliced Ash Veneer

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-203.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-203.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winger | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winger@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-204.1

DESCRIPTION: Square Dining Table

MODEL NO: 3855B07C15

DIMENSIONS: 30" W x 24" D x 30" H

FINISH / COLOR: Top: HPL to match SP-PL01, Base: Powdercoated metal to match SP-P01

MATERIALS: Top: 1-1/4" HPL, Base: Metal

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-204.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Blue and Taupe Schemes



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-204.1

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-204.2

DESCRIPTION: Square Dining Table

MODEL NO: HSBTB-204S-1

DIMENSIONS: 30" W x 24" D x 30" H

FINISH / COLOR: Top: HPL to match SP-PL01, Base: Powdercoated metal to match SP-P01

MATERIALS: Top: 1-1/4" HPL, Base: Metal

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-204.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

FINISHES:

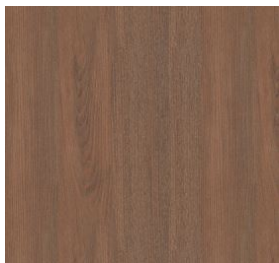


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Blue and Taupe Schemes



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-204.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winger | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winger@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-205.1

DESCRIPTION: Round Dining Table

MODEL NO: 3855B07B15

DIMENSIONS: 36" Dia. x 26" H

FINISH / COLOR: Top: HPL to match SP-PL01, Base: Powdercoated metal to match SP-P01

MATERIALS: Top: 1-1/4" HPL, Base: Metal

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-205.1

5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Blue and Taupe Schemes



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-205.1

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-205.2

DESCRIPTION: Round Dining Table

MODEL NO: HSBTB-205S-1

DIMENSIONS: 36" Dia. x 26" H

FINISH / COLOR: Top: HPL to match SP-PL01, Base: Powdercoated metal to match SP-P01

MATERIALS: Top: 1-1/4" HPL, Base: Metal

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-205.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

FINISHES:

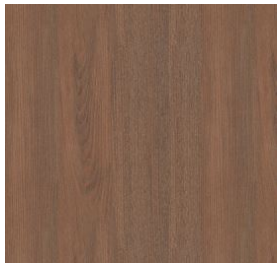


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Blue and Taupe Schemes



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-205.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winingar | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winingar@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-206.1
DESCRIPTION: Square Dining Table with Parson Detail
MODEL NO: 3855B07E15
DIMENSIONS: 36" W x 36" D x 30" H

FINISH / COLOR: HPL to match SP-PL02
HARDWARE: Adjustable nylon levelers provided by manufacturer
MATERIALS: Top-HPL; PVC edge banding

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-206.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL02
Category:	Finish
Color Name:	#9312-NG Planked Urban Oak
Finish:	Natural Grain
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-206.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-206.2
DESCRIPTION: Square Dining Table with Parson Detail
MODEL NO: HSBTB206S-1
DIMENSIONS: 36" W x 36" D x 30" H

FINISH / COLOR: HPL to match SP-PL02; PVC edge banding
HARDWARE: Adjustable nylon levelers provided by manufacturer
MATERIALS: Top-HPL; PVC edge banding

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-206.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL02
Category:	Finish
Color Name:	#9312-NG Planked Urban Oak
Finish:	Natural Grain
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-206.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winger | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winger@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

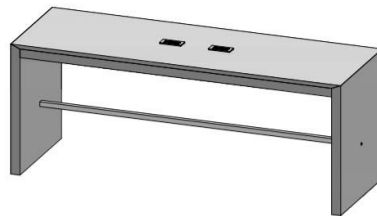
REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-207.1
DESCRIPTION: Communal Bar Height Table with Power
MODEL NO: 3855B20A15
DIMENSIONS: 108" W x 36" D x 42" H

FINISH/COLOR: PL02 Stretcher: Metal to match SP-P01
MATERIALS: Quarter Sliced Ash Veneer; Metal Stretcher
POWER: (2) JN02-03-22TRK or Equal

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
3/2/2021	4/15/2021	1	SP-207.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.
6. Power to run down waterfall table leg and connect to the floor.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL02
Category:	Finish
Color Name:	#9312-NG Planked Urban Oak
Finish:	Natural Grain
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
3/2/2021	4/15/2021	1	SP-207.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-207.2

DESCRIPTION: Communal Bar Height Table with Power

MODEL NO: HSBTB-207S

DIMENSIONS: 108" W x 36" D x 42" H

FINISH / COLOR: Body: Veneer to match SP-PL02 Stretcher: Metal to match SP-P01

MATERIALS: Ash Solids and Quarter Sliced Ash Veneer; Metal Stretcher

POWER: Model 2 TR outlets & 2 USB Plugs (2x) Black, UL Certified or Equal

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Power to run down waterfall table leg and connect to the floor.
4. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-207.2

5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Blue and Taupe Schemes



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL02
Category: Finish
Color Name: #9312-NG Planked Urban Oak
Finish: Natural Grain
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-207.2

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winger | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winger@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-208.1
DESCRIPTION: Round Quartz Dining Table
MODEL NO: 3855B07D15
DIMENSIONS: 30" Dia. x 30" H

FINISH / COLOR: Quartz Top: SP-ST02, Metal Base: To match MT-02

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Base to be weighted appropriately to prevent tipping.
4. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
5. Refer to drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-208.1

6. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Blue and Taupe Schemes



MANUFACTURER:

Silestone
355 Alhambra Circle, Suite 1000
Coral Gables, FL 33134
786 686 5060
877 532 6394
CS@cosentino.com
silestone.usa.com

REPRESENTATIVE:

Spec ID: SP-ST02
Category: Finish
Color Name: Silestone Charcoal Soapstone
Finish: Honed
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-208.1

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-208.2
DESCRIPTION: Round Quartz Dining Table
MODEL NO: HSBTB-208S
DIMENSIONS: 30" Dia. x 30" H

FINISH / COLOR: Quartz Top: SP-ST02, Metal Base: To match MT-02

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Base to be weighted appropriately to prevent tipping.
4. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-208.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Blue and Taupe Schemes



MANUFACTURER:

Silestone
355 Alhambra Circle, Suite 1000
Coral Gables, FL 33134
786 686 5060
877 532 6394
CS@cosentino.com
silestone.usa.com

REPRESENTATIVE:

Spec ID: SP-ST02
Category: Finish
Color Name: Silestone Charcoal Soapstone
Finish: Honed
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-208.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winger | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winger@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-209.1
DESCRIPTION: Round Quartz Cocktail Table
MODEL NO: 3855B15A15
DIMENSIONS: 25" H x 18" Dia.

FINISH / COLOR: Quartz Top: SP-ST02, Metal Base: Powdercoated to match SP-P01

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Base to be weighted appropriately to prevent tipping.
4. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
5. Refer to drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SP-209.1

6. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Blue and Taupe Schemes



MANUFACTURER:

Silestone
355 Alhambra Circle, Suite 1000
Coral Gables, FL 33134
786 686 5060
877 532 6394
CS@cosentino.com
silestone.usa.com

REPRESENTATIVE:

Spec ID: SP-ST02
Category: Finish
Color Name: Silestone Charcoal Soapstone
Finish: Honed
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

2/28/2022

REV. NO:

2

SPEC NO:

SP-209.1

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-209.2
DESCRIPTION: Round Quartz Cocktail Table
MODEL NO: HSBTB-209S
DIMENSIONS: 25" H x 18" Dia.

FINISH / COLOR: Quartz Top: SP-ST02, Metal Base: Powdercoated to match SP-P01

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Base to be weighted appropriately to prevent tipping.
4. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	3	SP-209.2

FINISHES:



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Blue and Taupe Schemes



MANUFACTURER:

Silestone
355 Alhambra Circle, Suite 1000
Coral Gables, FL 33134
786 686 5060
877 532 6394
CS@cosentino.com
silestone.usa.com

REPRESENTATIVE:

Spec ID: SP-ST02
Category: Finish
Color Name: Silestone Charcoal Soapstone
Finish: Honed
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

2/28/2022

REV. NO:

3

SPEC NO:

SP-209.2

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winingar | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winingar@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-210.1

DESCRIPTION: Business Center Table

MODEL NO: 3855B20B15

DIMENSIONS: 146" L x 40" W x 34" H

FINISH / COLOR: Top: SP-ST03, Base: Stained to match SP-PL02

HARDWARE: Leg bottom brushed nickel metal ferruls; Adjustable levelers provided by manufacturer; Printer carpet glides

MATERIALS: Quartz, Ash Solids, and Quarter Sliced Ash Veneer

POWER: Desk power strip M-Power 3TAUA-BB, black, 2 TR outlets, 3.2A double USB ports, 6' cord UL Listed; Station power strip black, 2 TR outlets, 2 charging USB ports-10' power cord or Equal

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-210.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Power to run down table underside & connect to shelving unit.
4. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

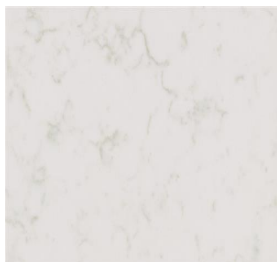


MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL02
Category: Finish
Color Name: #9312-NG Planked Urban Oak
Finish: Natural Grain
Location: Blue and Taupe Schemes



MANUFACTURER:

REPRESENTATIVE:

Spec ID: SP-ST03
Category: Finish
Color Name: MSI Stone Calacatta Classique 3CM
Finish: Honed
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-210.1

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-210.2

DESCRIPTION: Business Center Table

MODEL NO: HSBTB-210S

DIMENSIONS: 117" L x 40" W x 34" H

FINISH / COLOR: Top: SP-ST03, Base: Stained to match SP-PL02

HARDWARE: Leg bottom brushed nickel metal ferruls; Adjustable levelers provided by manufacturer; Printer carpet glides

MATERIALS: Quartz, Ash solids, and Quarter Sliced Ash Veneer

POWER: Desk power strip M-Power 3TAUA-BB, black, 2 TR outlets, 3.2A double USB ports, 6' cord UL Listed; Station power strip black, 2 TR outlets, 2 charging USB ports-10' power cord or Equal

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-210.2

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Power to run down table underside & connect to shelving unit.
4. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL02
Category: Finish
Color Name: #9312-NG Planked Urban Oak
Finish: Natural Grain
Location: Blue and Taupe Schemes



MANUFACTURER:

REPRESENTATIVE:

Spec ID: SP-ST03
Category: Finish
Color Name: MSI Stone Calacatta Classique 3CM
Finish: Honed
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-210.2

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winingar | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winingar@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-211.1

DESCRIPTION: Credenza

MODEL NO: 3855B01C15

DIMENSIONS: 96" L x 20" W x 38" H

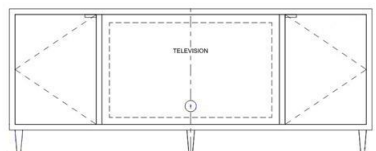
FINISH / COLOR: Stained to match SP-PL01

HARDWARE: Mockett Pull DP3A-90 (Doug Mockett & Company Inc.); Nylon glides
provide by manufacturer

HARDWARE FINISH: Matte, Black

MATERIALS: Ash Solids and Quarter Sliced Ash Veneer

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification
Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-211.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL01
Category:	Finish
Color Name:	#6452 Smoke Ash
Finish:	Matte
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-211.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-211.2

DESCRIPTION: Credenza

MODEL NO: HSBTV-211S

DIMENSIONS: 96" L x 20" W x 38" H

FINISH / COLOR: Stained to match SP-PL01

HARDWARE: Mockett Pull DP3A-90 (Doug Mockett & Company Inc.); Nylon glides provided by manufacturer

HARDWARE FINISH: Matte, Black

MATERIALS: Ash solids and Quarter Sliced Ash Veneer

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-211.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL01
Category:	Finish
Color Name:	#6452 Smoke Ash
Finish:	Matte
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-211.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winger | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winger@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-212.1

DESCRIPTION: Large Coffee Table

MODEL NO: 3855B15C15

DIMENSIONS: 48" W x 36" D x 20" H

FINISH / COLOR: HPL to match SP-PL01

HARDWARE: Adjustable nylon levelers provided by manufacturer

MATERIALS: HPL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-212.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL01
Category:	Finish
Color Name:	#6452 Smoke Ash
Finish:	Matte
Location:	Blue and Taupe Scheme

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-212.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-212.2

DESCRIPTION: Large Coffee Table

MODEL NO: HSBTB-212S

DIMENSIONS: 48" W x 36" D x 20" H

FINISH / COLOR: HPL to match SP-PL01

HARDWARE: Adjustable nylon levelers provided by manufacturer

MATERIALS: HPL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-212.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL01
Category:	Finish
Color Name:	#6452 Smoke Ash
Finish:	Matte
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-212.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winingar | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winingar@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-214.1
DESCRIPTION: Buffet Table
MODEL NO: 3855B01B16 (Blue); 3855B015 (Taupe, shown)
DIMENSIONS: 108" W x 30" D x 34" H

FINISH/COLOR: Top: HPL to match SP-PL02, Base: Painted Grain Wood
HARDWARE: Adjustable nylon levelers provided by manufacturer
MATERIALS: Ash solids and HPL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-214.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P02
Category: Finish
Color Name: #9141 Waterloo
Location: Base - Blue Scheme



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL02
Category: Finish
Color Name: #9312-NG Planked Urban Oak
Finish: Natural Grain
Location: Top - Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-214.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-214.2

DESCRIPTION: Buffet Table

MODEL NO: HSBTB-214-S

DIMENSIONS: 108" W x 30" D x 34" H

FINISH/COLOR: Top: HPL with Vinyl Edge to match SP-PL02, Base: Painted Grain Wood

HARDWARE: Adjustable nylon levelers provided by manufacturer

MATERIALS: Ash solids and HPL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-214.2

5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P02
Category: Finish
Color Name: #9141 Waterloo
Location: Base - Blue Scheme



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL02
Category: Finish
Color Name: #9312-NG Planked Urban Oak
Finish: Natural Grain
Location: Top - Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-214.2

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winingar | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winingar@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-216.1

DESCRIPTION: Coffee Station

MODEL NO: 3855B01E16 (Blue); 3855B01E17 (Taupe)

DIMENSIONS: 72" W x 24" D x 34" H

FINISH/COLOR: Top & Rail: SP-ST03, Base: refer to colorway finishes below

HARDWARE: Adjustable nylon levelers provided by manufacturer

MATERIALS: Stone, Ash Solids, and Ash Veneer

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-216.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

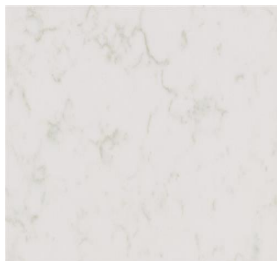


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P04
Category: Finish
Color Name: #9139 Debonair
Location: Base - Blue Scheme



MANUFACTURER:

REPRESENTATIVE:

Spec ID: SP-ST03
Category: Finish
Color Name: MSI Stone Calacatta Classique 3CM
Finish: Honed
Location: Top and Rail - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-216.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-216.2
DESCRIPTION: Coffee Station
MODEL NO: HSBDR-216S
DIMENSIONS: 72" W x 24" D x 34" H

FINISH/COLOR: Top & Rail: SP-ST03, Base: refer to colorway finishes below
HARDWARE: Adjustable nylon levelers provided by manufacturer
MATERIALS: Stone, Ash Solids, and Ash Veneer

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-216.2

5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P04
Category: Finish
Color Name: #9139 Debonair
Location: Base - Blue Scheme



MANUFACTURER:

REPRESENTATIVE:

Spec ID: SP-ST03
Category: Finish
Color Name: MSI Stone Calacatta Classique 3CM
Finish: Honed
Location: Top and Rail - Blue and Taupe Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-216.2

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winingar | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winingar@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-217.1
DESCRIPTION: ADA Vanity
MODEL NO: 3855B21A15
DIMENSIONS: 66"L x 24" W x 36" H

FINISH/COLOR: Top: SP-ST01, Laminate: SG-PL01
HARDWARE: Metal Ferrules; Adjustable levelers provided by manufacturer

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be contract quality and suitable for commercial use.
2. Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
3. All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.
4. All fasteners, blocking and supports to be concealed.
5. Stained, full-filled, alcohol, water and burn resistant conversion lacquer finish.
6. All exposed surfaces to be full finished and sealed from moisture resistance, unless otherwise noted.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	3	SP-217.1

7. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
8. Refer to drawings for location.
9. 5. All panels must have moisture resistant core. All edges to be sealed for moisture resistance with PLAM or PVC attached with high pressure glue for moisture resistance. (all edge banding to be machine applied hot matt glued.)
10. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

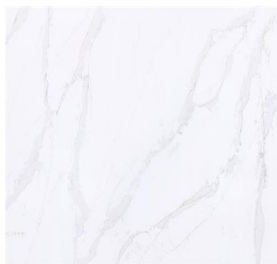


MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Blue and Taupe Schemes



MANUFACTURER:

Silestone
355 Alhambra Circle, Suite 1000
Coral Gables, FL 33134
786 686 5060
877 532 6394
CS@cosentino.com
silestone.usa.com

REPRESENTATIVE:

Spec ID: SP-ST01
Description: Quartz at Welcome Desk, Buffet, Chef's Buffet, Business Center and Restroom Vanities
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	3	SP-217.1

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-217.2
DESCRIPTION: ADA Vanity
MODEL NO: HSBVN-217S
DIMENSIONS: 66"L x 24" W x 36" H

FINISH/COLOR: Top: SP-ST01, Laminate: SG-PL01
HARDWARE: Metal Ferrules; Adjustable levelers provided by manufacturer

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be contract quality and suitable for commercial use.
2. Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
3. All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.
4. All fasteners, blocking and supports to be concealed.
5. Stained, full-filled, alcohol, water and burn resistant conversion lacquer finish.
6. All exposed surfaces to be full finished and sealed from moisture resistance, unless otherwise noted.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	3	SP-217.2

Brand Design

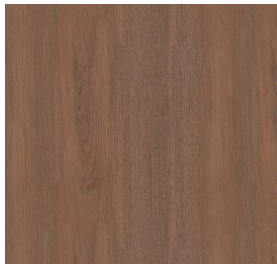
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
8. Refer to drawings for location.
9. 5. All panels must have moisture resistant core. All edges to be sealed for moisture resistance with PLAM or PVC attached with high pressure glue for moisture resistance. (all edge banding to be machine applied hot matt glued.)
10. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

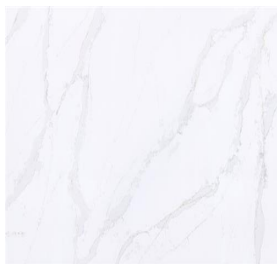


MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Blue and Taupe Schemes



MANUFACTURER:

Silestone
355 Alhambra Circle, Suite 1000
Coral Gables, FL 33134
786 686 5060
877 532 6394
CS@cosentino.com
silestone.usa.com

REPRESENTATIVE:

Spec ID: SP-ST01
Description: Quartz at Welcome Desk, Buffet, Chef's Buffet, Business Center and Restroom Vanities
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	3	SP-217.2

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winingar | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winingar@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-219.1
DESCRIPTION: Print Station - Renovation
MODEL NO: 3855B16C15
DIMENSIONS: 33" W x 24" D x 29 3/4" H

FINISH / COLOR: Stained to match SP-PL02
HARDWARE: Adjustable levelers provided by manufacturer
MATERIALS: Ash Solids, Quarter Sliced Ash Veneer, HPL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-219.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL02
Category:	Finish
Color Name:	#9312-NG Planked Urban Oak
Finish:	Natural Grain
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-219.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-219.2
DESCRIPTION: Print Station - Renovation
MODEL NO: HSBPS-219S
DIMENSIONS: 33" W x 23-3/4" D x 29 3/4" H

FINISH / COLOR: Stained to match SP-PL02
HARDWARE: Adjustable levelers provided by manufacturer
MATERIALS: Ash Solids, Quarter Sliced Ash Veneer, HPL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-219.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL02
Category:	Finish
Color Name:	#9312-NG Planked Urban Oak
Finish:	Natural Grain
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-219.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winingar | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winingar@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-220.1

DESCRIPTION: Shelves at Guest Laundry

MODEL NO: 3855B64B15

DIMENSIONS: 50" W x 10" D x 4-1/4" H

FINISH/COLOR: HPL to match SP-PL02

MATERIALS: HPL with Polished Stainless Steel Rod and Polished Stainless Steel Rod
Brackets

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification
Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Items must be able to support 250lbs.
4. All fasteners, blocking and supports to be concealed.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-220.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL02
Category:	Finish
Color Name:	#9312-NG Planked Urban Oak
Finish:	Natural Grain
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-220.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-220.2
DESCRIPTION: Shelves at Guest Laundry
MODEL NO: 3855B64B15
DIMENSIONS: 50" W x 10" D x 4-1/4" H

FINISH/COLOR: HPL to match SP-PL02
MATERIALS: HPL with Polished Chrome Rod and Polished Chrome Rod Brackets

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All fasteners, blocking and supports to be concealed.
4. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
5. Refer to drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-220.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Items must be able to support 250lbs.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL02
Category:	Finish
Color Name:	#9312-NG Planked Urban Oak
Finish:	Natural Grain
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-220.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winingar | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winingar@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

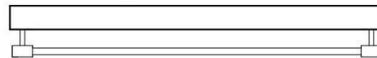
REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-221.1
DESCRIPTION: Shelves at Guest Laundry
MODEL NO: 3855B64C15
DIMENSIONS: 32" W x 10" D x 4-1/4" H

FINISH/COLOR: HPL to match SP-PL02
MATERIALS: HPL with Polished Chrome Rod and Polished Chrome Rod Brackets

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Items must be able to support 250lbs.
4. All fasteners, blocking and supports to be concealed.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-221.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL02
Category:	Finish
Color Name:	#9312-NG Planked Urban Oak
Finish:	Natural Grain
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-221.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-221.2
DESCRIPTION: Shelves at Guest Laundry
MODEL NO: HSBSH-001S
DIMENSIONS: 32" W x 10" D x 4-1/4" H

FINISH/COLOR: HPL to match SP-PL02
MATERIALS: HPL with Polished Chrome Rod and Polished Chrome Rod Brackets

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Items must be able to support 250lbs.
4. All fasteners, blocking and supports to be concealed.
5. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-221.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL02
Category:	Finish
Color Name:	#9312-NG Planked Urban Oak
Finish:	Natural Grain
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-221.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winger | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winger@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-253.1

DESCRIPTION: ADA Vanity - for Renovation

MODEL NO: Custom

DIMENSIONS: 30"L x 22"W x 19-1/2"H

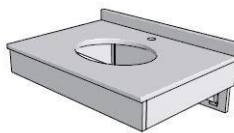
FINISH/COLOR: Top: SP-ST01, Laminate: SG-PL01

IMPORTANT: Verifyfield dimensions prior to order or production

INSTALLATION: Wall mounted. Level and secure to back with metal cantilever bracket and installer supplied fasteners suitable for wall construction type; seal all surfaces to protect from moisture. Countertop and splashes to be installed on site.

MATERIALS: Laminate on marine grade plywood substrate, quartz top, metal mounting bracket.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be contract quality and suitable for commercial use.

ISSUE DATE:

3/12/2021

REVISION DATE:

3/15/2021

REV. NO:

2

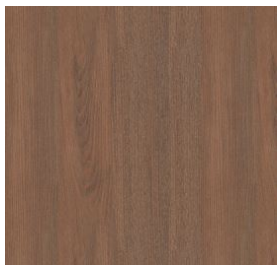
SPEC NO:

SP-253.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

2. Substitutions of manufacturer are not permitted without written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Countertop and splashes included in pricing and provided by casegood manufacturer.
4. Manufacturer to clearly mark each carton with item ID and specification number.
5. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
6. Refer to SP-105 for lavatory basin specification.
7. Refer to SP-106 for lavatory faucet specification.
8. Refer to drawings for location.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Blue and Taupe Schemes



MANUFACTURER:

Silestone
355 Alhambra Circle, Suite 1000
Coral Gables, FL 33134
786 686 5060
877 532 6394
CS@cosentino.com
silestone.usa.com

REPRESENTATIVE:

Spec ID: SP-ST01
Description: Quartz at Welcome Desk, Buffet, Chef's Buffet, Business Center and Restroom Vanities
Location: Blue and Taupe Schemes

ISSUE DATE:

3/12/2021

REVISION DATE:

3/15/2021

REV. NO:

2

SPEC NO:

SP-253.1

COLORWAY: Blue Scheme

AREA: Public Areas: Public Restrooms

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-253.2
DESCRIPTION: ADA Vanity - for Renovation
MODEL NO: HSBVN-207S
DIMENSIONS: 30"L x 22"W x 19-1/2"H

FINISH/COLOR: Top: SP-ST01, Laminate: SG-PL01
IMPORTANT: Verify field dimensions prior to order or production
INSTALLATION: Wall mounted. Level and secure to back with metal cantilever bracket and installer supplied fasteners suitable for wall construction type; seal all surfaces to protect from moisture. Countertop and splashes to be installed on site.
MATERIALS: Laminate on marine grade plywood substrate, quartz top, metal mounting bracket.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
12/15/2019	3/15/2021	2	SP-253.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. Substitutions of manufacturer are not permitted without written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.
6. Refer to SP-105 for lavatory basin specification.
7. Refer to SP-106 for lavatory faucet specification.
8. Countertop and splashes included in pricing and provided by casegood manufacturer.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Base - Blue and Taupe Schemes



MANUFACTURER:

Silestone
355 Alhambra Circle, Suite 1000
Coral Gables, FL 33134
786 686 5060
877 532 6394
CS@cosentino.com
silestone.usa.com

REPRESENTATIVE:

Spec ID: SP-ST01
Description: Quartz at Welcome Desk, Buffet, Chef's Buffet, Business Center and Restroom Vanities
Location: Top - Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
12/15/2019	3/15/2021	2	SP-253.2

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winingar | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winingar@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-254.1
DESCRIPTION: Trash/Tray Receptacle - Renovation
MODEL NO: 3855B35B15
DIMENSIONS: 21" W x 21" D x 42" H; 36" Tray H

FINISH: To match surrounding millwork finishes
MATERIALS: HPL with Vinyl Edge and metal top rails

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SP-254.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL01
Category:	Finish
Color Name:	#6452 Smoke Ash
Finish:	Matte
Location:	Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SP-254.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-254.2
DESCRIPTION: Trash/Tray Receptacle - Renovation
MODEL NO: HSBTCB-101S
DIMENSIONS: 21" W x 21" D x 42" H; 36" Tray H

FINISH: To match surrounding millwork finishes
MATERIALS: HPL with Vinyl Edge and metal top rails

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SP-254.2



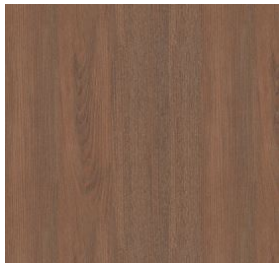
Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL01
Category:	Finish
Color Name:	#6452 Smoke Ash
Finish:	Matte
Location:	Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SP-254.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Fitness Center, Pool Area, Outdoor Pool Area

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SP-255.1

DESCRIPTION:

Towel Rack & Hamper - for Renovation Fitness Area and Indoor or Outdoor Pool Applications

DIMENSIONS:

25"W x 25"D x 70"H

FINISH/COLOR:

Solid Gray/Platinum Gray

MATERIALS:

Textilene Inserts and Metal Frame

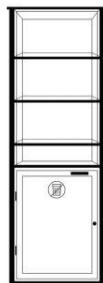
WEIGHT:

141 lbs.

IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
3. All fasteners, blocking and supports to be concealed.
4. All welds to be filled and fully finished.
5. All exposed surfaces to be fully finished and sealed for moisture resistance, unless otherwise noted.
6. All materials and methods of construction must comply with local fire and life safety codes for use in hotels and other public spaces.

ISSUE DATE:

6/15/2020

REVISION DATE:

2/28/2022

REV. NO:

1

SPEC NO:

SP-255.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. Refer to drawings for location.
8. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	2/28/2022	1	SP-255.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Meeting Room

MANUFACTURER:

MTS
Jamie Rauch
P 734-847-3875
F 800-329-0687
E jamierauch@mtsseating.com
7100 Industrial Drive
Temperance, MI 48182
mtsseating.com

REP FIRM:

Wells & Company LLC
Jeff Wells
2748 S. Cobb Ind. Blvd.
Smyrna, GA. 30082
PH: 770-432-1155
F: 770-432-1155
jeffwells@wells-company.com

SPEC NO: SP-256.1
DESCRIPTION: Folding Table
MODEL NO: 415 Meeting Room Leg Meeting Table
DIMENSIONS: Option 1 (3 Guests): 24"D x 72"W X 30"H
Option 2 (4 Guests): 24"D x 96"W X 30"H
FINISH: Laminate top with black powder coat metal legs; FV5 vinyl t-mold edge
COLOR: FL2 Gunstock Walnut

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Manufacturer to verify all necessary parts, hardware, and dimensions required for assembly.
2. All internal hardware (hinges, screws, bolts, etc.) shall be corrosion proof.
3. Major joints as needed shall utilize lap joints or double doweled construction with corner blocks. Glue and staples are used to reinforce the joinery. Metal fasteners should be used where appropriate to reinforce the joinery.
4. All wood to be kiln dried and treated to be insect and vermin free.
5. All fasteners, blocking and supports to be concealed.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	2/28/2022	2	SP-256.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. All corners of metal frame to be mitered; grind and smooth all edges; no visible weld, seams, or burn marks. Seal as required.
7. All welds to be filled and fully finished.
8. Powder coat baked enamel.
9. All exposed surfaces to be fully finished and sealed for moisture resistance, unless otherwise noted.
10. Manufacturer to provide nylon carpet glides.
11. Show all pieces in shop drawings.
12. To be of contract quality and suitable for commercial use.
13. All materials and methods of construction must comply with local fire and life safety codes for use in hotels and other public spaces.
14. Manufacturer to provide finish samples for approval prior to production.
15. Refer to drawings for location.
16. Ensure that piece will fit in elevators and through doors prior to commencing fabrication.
17. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

6/15/2020

REVISION DATE:

2/28/2022

REV. NO:

2

SPEC NO:

SP-256.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Lobby

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winingar | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winingar@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-258.1
DESCRIPTION: Credenza - for Renovation
MODEL NO: Custom
DIMENSIONS: 96"W x 20"D x 38"H

HARDWARE: Nylon glides and drawer/door hardware provided by manufacturer
HARDWARE FINISH: Black
MATERIALS: HPL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-258.1

4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Handles - Blue and Taupe Schemes

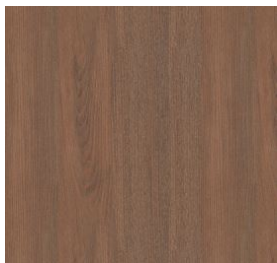


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Legs - Blue and Taupe Schemes



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Main Body - Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-258.1

COLORWAY: Blue Scheme

AREA: Public Areas: Lobby

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-258.2

DESCRIPTION: Credenza - for Renovation

MODEL NO: Custom

DIMENSIONS: 96"W x 20"D x 38"H

HARDWARE: Nylon glides and drawer/door hardware provided by manufacturer

HARDWARE FINISH: Black

MATERIALS: HPL

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-258.2

5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Handles - Blue and Taupe Schemes

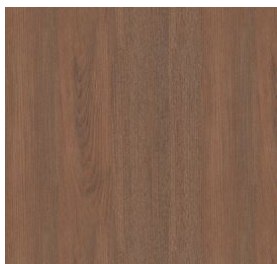


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Legs - Blue and Taupe Schemes



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Main Body - Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-258.2

COLORWAY: Blue Scheme

AREA: Public Areas: Business Center

MANUFACTURER:

KIMBALL HOSPITALITY (STAYBRIDGE
SUITES; CANDLEWOOD SUITES)
Steve Winingar | Project Manager
P 812.481.6392 / P 812.827.7858 (c)

E steve.winingar@kimballhospitality.com
1600 Royal Street
Jasper, IN 47549
www.kimballhospitality.com

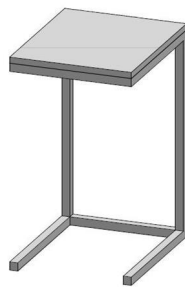
REP FIRM:

BCA Hospitality
Bill Capehart
904 Saint Lyonn Courts, NE.
Marietta, GA 30068
PH: 770.329.8816
F: 770.329.8816
bill@bcahospitality.com

SPEC NO: SP-260.1
DESCRIPTION: C-Table - for Renovation
MODEL NO: 3855A22AXX
DIMENSIONS: 18"W x 15" D x 26" H

FINISH: Legs - Satin Nickel
HARDWARE: Glides, provided by manufacturer
MATERIALS: Laminate top with edge band to match; Metal legs

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-260.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL02
Category:	Finish
Color Name:	#9312-NG Planked Urban Oak
Finish:	Natural Grain
Location:	C-Table Top

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-260.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Business Center

MANUFACTURER:

FOLIOT FURNITURE PACIFIC
Stephane Belisle
P 1-877-613-0992

E hospitality@foliot.com
7000 Placid Street
Las Vegas, NV 89119-4239
www.foliot.com

REP FIRM:

SPEC NO: SP-260.2
DESCRIPTION: C-Table - for Renovation
MODEL NO: DGNTB-010S
DIMENSIONS: 18"W x 15" D x 25-1/8" H

FINISH: Legs - Satin Nickel
HARDWARE: Glides, provided by manufacturer
MATERIALS: Laminate top with edge band to match; Metal legs

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
4. Refer to drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-260.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID:	SP-PL02
Category:	Finish
Color Name:	#9312-NG Planked Urban Oak
Finish:	Natural Grain
Location:	C-Table Top

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-260.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-300.1.1
DESCRIPTION: Bob's Chair
MODEL NO: Custom
DIMENSIONS: 18" W x 18" D x 30-1/2" H; 22" SH

FINISH / COLOR: Blue and Taupe Schemes: Powdercoated to match SP-MT02

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-300.1.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID: SP-300.1A
Color Name: Tortoise
Pattern Name: Custom Dima
Content: 100% Vinylife
Finish: Pro Tech Stain Repellent
Backing: 100% Polyester
Flame Rtg: NPFA 260; CAL 117-2013
Abrasion: Exceeds 200,000 Double Rubs
Location: Blue and Taupe Schemes



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-300.1.1

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-300.1.2
DESCRIPTION: Bob's Chair
MODEL NO: Custom
DIMENSIONS: 18" W x 18" D x 30-1/2" H; 22" SH

FINISH / COLOR: Blue and Taupe Schemes: Powdercoated to match SP-MT02

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-300.1.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID: SP-300.2A
Color Name: Tortoise
Pattern Name: Custom Dima
Content: 100% Vinylife
Finish: Pro Tech Resistance
Backing: 100% Polyester
Flame Rtg: NPFA 260; CAL 117-2013
Abrasion: Exceeds 200,000 Double Rubs
Location: Blue and Taupe Schemes



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-300.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

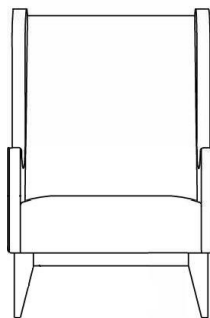
REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-301.1.1
DESCRIPTION: High Back, Curvy Lounge Chair
MODEL NO: Custom
DIMENSIONS: 36" W x 34" D x 44" H; 28" AH and 18" SH

FINISH / COLOR: Stained to match SP-PL01

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/15/2020	1	SP-301.1.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Valley Forge Fabrics, Inc
1650 West McNab Road
Fort Lauderdale, FL 33309
954-971-1776
954-968-1775
standardquotes@valleyforge.com
www.valleyforge.com

REPRESENTATIVE:

Katy Daly
1650 West McNab Road
Fort Lauderdale, FL 33309
310-291-5288
KDaly@valleyforge.com

Spec ID: SP-301.1A
Description: (Outside Back)
Color Name: Indigo Night
Pattern Name: Gibbs Stripe
Content: 50% Acrylic, 19% Cotton, 11% Linen, 10% Viscose, 10% Polyester
Finish: Stain Resistant
Backing: Acrylic
Flame Rtg: CAL 117
Abrasion: 100,000 Double Rubs
Location: Outside Back - Blue Scheme



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID: SP-301.1B
Description: (Inner Seat/Inner Back)
Color Name: Teal
Pattern Name: Boughton
Content: 100% Polyester
Finish: Stain Resistant
Flame Rtg: CAL 117 & NFPA 260
Abrasion: 60,000 Double Rubs
Location: Inner Seat/Back - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

2/15/2020

REV. NO:

1

SPEC NO:

SP-301.1.1

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

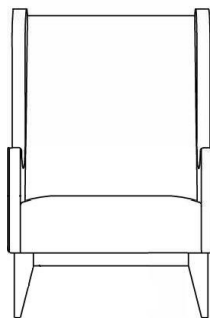
SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-301.1.2
DESCRIPTION: High Back, Curvy Lounge Chair
MODEL NO: Custom
DIMENSIONS: 32" W x 36" D x 48" H x 26-1/2" AH x 19" SH
FINISH / COLOR: Stained to match SP-PL01

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/15/2020	1	SP-301.1.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Valley Forge Fabrics, Inc
1650 West McNab Road
Fort Lauderdale, FL 33309
954-971-1776
954-968-1775
standardquotes@valleyforge.com
www.valleyforge.com

REPRESENTATIVE:

Katy Daly
1650 West McNab Road
Fort Lauderdale, FL 33309
310-291-5288
KDaly@valleyforge.com

Spec ID: SP-301.1A
Description: (Outside Back)
Color Name: Indigo Night
Pattern Name: Gibbs Stripe
Content: 50% Acrylic, 19% Cotton, 11% Linen, 10% Viscose, 10% Polyester
Finish: Stain Resistant
Backing: Acrylic
Flame Rtg: CAL 117
Abrasion: 100,000 Double Rubs
Location: Outside Back - Blue Scheme



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID: SP-301.1B
Description: (Inner Seat/Inner Back)
Color Name: Teal
Pattern Name: Boughton
Content: 100% Polyester
Finish: Stain Resistant
Flame Rtg: CAL 117 & NFPA 260
Abrasion: 60,000 Double Rubs
Location: Inner Seat/Inner Back - Blue Scheme

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/15/2020	1	SP-301.1.2

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

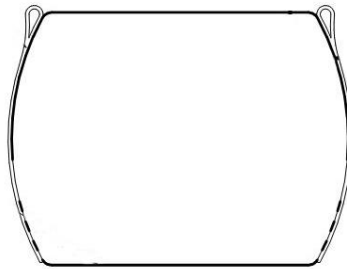
CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO:	SP-302.1.1
DESCRIPTION:	Accent Ottoman Pouf with Attached Strap/Handle Detail
MODEL NO:	Custom
DIMENSIONS:	24" Dia. x 18" H

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-302.1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



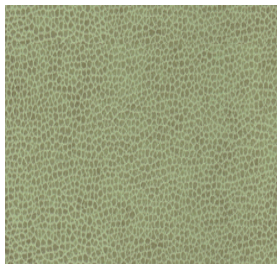
MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID: SP-302.1A
Color Name: Tortoise
Pattern Name: Custom Dima
Content: 100% Vinylife
Finish: Pro Tech Stain Repellent
Backing: 100% Polyester
Flame Rtg: NPFA 260; CAL 117-2013
Abrasion: Exceeds 200,000 Double Rubs
Location: Main Body - Blue Scheme



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID: SP-302.1B
Color Name: Grassy
Pattern Name: Custom Prince
Content: 100% Vinylife
Finish: Pro Tech Stain Repellent
Backing: 100% Polyester
Flame Rtg: NFPA 260
Abrasion: Exceeds 200,000 Double Rubs
Location: Strap - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-302.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

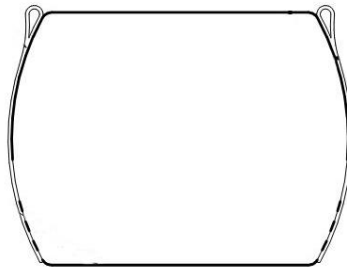
SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-302.1.2
DESCRIPTION: Accent Ottoman Pouf with Attached Strap/Handle Detail
MODEL NO: Custom
DIMENSIONS: 24" Dia. x 18" H

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All foam to comply with CA117.
3. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-302.1.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



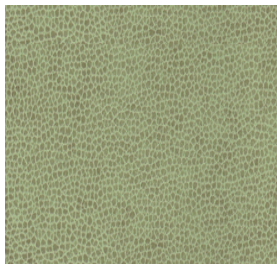
MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID: SP-302.1A
Color Name: Tortoise
Pattern Name: Custom Dima
Content: 100% Vinylife
Finish: Pro Tech Stain Repellent
Backing: 100% Polyester
Flame Rtg: NPFA 260; CAL 117-2013
Abrasion: Exceeds 200,000 Double Rubs
Location: Main Body - Blue Scheme



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID: SP-302.1B
Color Name: Grassy
Pattern Name: Custom Prince
Content: 100% Vinylife
Finish: Pro Tech Stain Repellent
Backing: 100% Polyester
Flame Rtg: NFPA 260
Abrasion: Exceeds 200,000 Double Rubs
Location: Strap - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-302.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-303.1.1

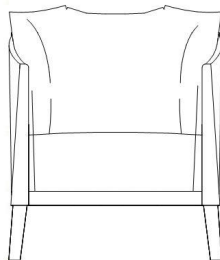
DESCRIPTION: Woven Lounge Chair

MODEL NO: Custom

DIMENSIONS: 31.5" W x 30"D x 35"H; 19"SH, 27"AH

FINISH / COLOR: Legs and Frame: Powdercoated metal to match SW 9157 Deep Forest Brown, Strap Body: Black nylon cord

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-303.1.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID: SP-303.1A
Color Name: Moonlight
Pattern Name: Transient
Content: 50% Cotton, 50% Polyester
Finish: Stain Resistant
Flame Rtg: NFPA 260
Abrasion: 50,000 Double Rubs
Location: Back - Blue Scheme



MANUFACTURER:

P/Kaufmann Contract
3 Park Avenue
34th Floor
New York, NY 10016
212-292-2200
info@pkcontract.com
www.pkcontract.com

REPRESENTATIVE:

Janet L. Hyde
404-824-3305
jlhyde@pkcontract.com

Spec ID: SP-303.1B
Color Name: Haze
Pattern Name: C Pivotal
Content: 90% Polyester, 10% Nylon
Finish: Nano Clean
Backing: N/A
Flame Rtg: Cal TB 117, NFPA 260
Abrasion: 51,000 Double Rubs
Location: Seat - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-303.1.1

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

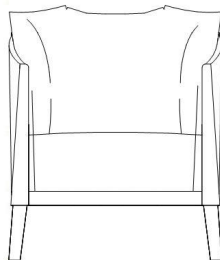
REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-303.1.2
DESCRIPTION: Woven Lounge Chair
MODEL NO: Custom
DIMENSIONS: 31.5" W x 30"D x 35"H; 19"SH, 27"AH

FINISH / COLOR: Legs and Frame: Maple / Beech Hardwood stained to match SW 9157
Deep Forest Brown. Strap is black leather cord..

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/15/2020	1	SP-303.1.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID: SP-303.1A
Color Name: Moonlight
Pattern Name: Transient
Content: 50% Cotton, 50% Polyester
Finish: Stain Resistant
Flame Rtg: NFPA 260
Abrasion: 50,000 Double Rubs
Location: Back - Blue Scheme



MANUFACTURER:
P/Kaufmann Contract
3 Park Avenue
34th Floor
New York, NY 10016
212-292-2200
info@pkcontract.com
www.pkcontract.com

REPRESENTATIVE:

Janet L. Hyde
404-824-3305
jlhyde@pkcontract.com

Spec ID: SP-303.1B
Color Name: Haze
Pattern Name: C Pivotal
Content: 90% Polyester, 10% Nylon
Finish: Nano Clean
Backing: N/A
Flame Rtg: Cal TB 117, NFPA 260
Abrasion: 51,000 Double Rubs
Location: Seat - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

2/15/2020

REV. NO:

1

SPEC NO:

SP-303.1.2

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-304.1.1L
DESCRIPTION: L-Shaped Sectional - Left Facing with Loose and Reversible Seat and Back Cushions
MODEL NO: Custom
DIMENSIONS: 126" W x 84"D x 34"H; 18" SH, 28" AH
FINISH / COLOR: Legs stained to match Formica 6440-58
FABRIC DIRECTION: Best Yield

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

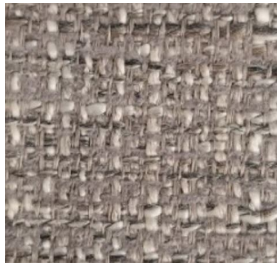
NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
1/15/2020			SP-304.1.1L

5. Fully upholstered frames to be constructed of select hardwoods and hardwood plywood. Exposed wood frames to be constructed of maple and beech hardwoods. Hardwood frames to be assembled using double dowels, screws, glue, and corner blocks. Plywood frames to be assembled using interlocking joints, screws, glue and staples. All metal parts of interior hardware must be non-corrosive, guaranteed against rust and corrosion, suitable for use in varying climate conditions.
6. Product to have the following: Loose and reversible back and seat cushions.
7. Sectional at Living Room to have Throw Pillows: (3) 16" pillows SP-304.P.B.2 , (3) 16" square pillows SP-304.P.C.2, and (1) 16" square pillow SP-304.P.D.2. Refer to specs SP-304.P.B.2, SP-304.P.C.2, and SP-304.P.D.2
8. Sectional at Great Room to have Throw Pillows: (3) 16" pillows SP-304.P.E.2 , (3) 16" square pillows SP-304.P.F.2, and (1) 16" square pillow SP-304.P.G.2. Refer to specs SP-304.P.E.2, SP-304.P.F.2, and SP-304.P.G.2.
9. Manufacturer must verify all fabric quantity requirements.
10. Manufacturer to provide nylon carpet glides.
11. All materials and methods of construction must comply with local fire and life safety codes for us in hotels.
12. Ensure that unit will fit in elevators and through doors prior to fabrication.
13. Refer to drawings for location.
14. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-304.1A
Color Name:	Mink
Pattern Name:	Tilburg
Content:	73% Polyester, 27% Acrylic
Flame Rtg:	CAL 117 & NFPA 260
Abrasion:	50,000 Double Rubs
Location:	Main Body - Blue Scheme

ISSUE DATE:

1/15/2020

REVISION DATE:

REV. NO:

SPEC NO:

SP-304.1.1L

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-304.1.1R
DESCRIPTION: L-Shaped Sectional - Right Facing with Loose and Reversible Seat and Back Cushions
MODEL NO: Custom
DIMENSIONS: 126" W x 84"D x 34"H; 18" SH, 28" AH
FINISH / COLOR: Legs stained to match Formica 6440-58
FABRIC DIRECTION: Best Yield

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

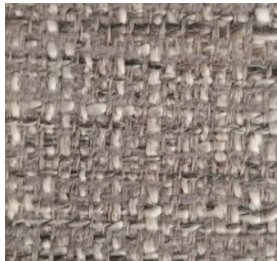
NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	1/15/2020	1	SP-304.1.1R

5. Fully upholstered frames to be constructed of select hardwoods and hardwood plywood. Exposed wood frames to be constructed of maple and beech hardwoods. Hardwood frames to be assembled using double dowels, screws, glue, and corner blocks. Plywood frames to be assembled using interlocking joints, screws, glue and staples. All metal parts of interior hardware must be non-corrosive, guaranteed against rust and corrosion, suitable for use in varying climate conditions.
6. Product to have the following: Loose and reversible back and seat cushions.
7. Sectional at Living Room to have Throw Pillows: (3) 16" pillows SP-304.P.B.2 , (3) 16" square pillows SP-304.P.C.2, and (1) 16" square pillow SP-304.P.D.2. Refer to specs SP-304.P.B.2, SP-304.P.C.2, and SP-304.P.D.2
8. Sectional at Great Room to have Throw Pillows: (3) 16" pillows SP-304.P.E.2 , (3) 16" square pillows SP-304.P.F.2, and (1) 16" square pillow SP-304.P.G.2. Refer to specs SP-304.P.E.2, SP-304.P.F.2, and SP-304.P.G.2.
9. Manufacturer must verify all fabric quantity requirements.
10. Manufacturer to provide nylon carpet glides.
11. All materials and methods of construction must comply with local fire and life safety codes for us in hotels.
12. Ensure that unit will fit in elevators and through doors prior to fabrication.
13. Refer to drawings for location.
14. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-304.1A
Color Name:	Mink
Pattern Name:	Tilburg
Content:	73% Polyester, 27% Acrylic
Flame Rtg:	CAL 117 & NFPA 260
Abrasion:	50,000 Double Rubs
Location:	Main Body - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

1/15/2020

REV. NO:

1

SPEC NO:

SP-304.1.1R

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

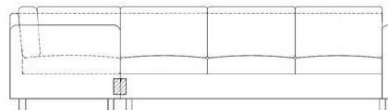
SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-304.1.2L
DESCRIPTION: L-Shaped Sectional -Left Facing with Loose and Reversible Seat and Back Cushions
MODEL NO: Custom
DIMENSIONS: 126" W x 84"D x 34"H; 18" SH, 28" AH
FINISH / COLOR: Legs stained to match Formica 6440-58
FABRIC DIRECTION: Best Yield

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
1/15/2020			SP-304.1.2L

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

5. Fully upholstered frames to be constructed of select hardwoods and hardwood plywood. Exposed wood frames to be constructed of maple and beech hardwoods. Hardwood frames to be assembled using double dowels, screws, glue, and corner blocks. Plywood frames to be assembled using interlocking joints, screws, glue and staples. All metal parts of interior hardware must be non-corrosive, guaranteed against rust and corrosion, suitable for use in varying climate conditions.
6. Product to have the following: Loose and reversible back and seat cushions.
7. Sectional at Living Room to have Throw Pillows: (3) 16" pillows SP-304.P.B.2 , (3) 16" square pillows SP-304.P.C.2, and (1) 16" square pillow SP-304.P.D.2. Refer to specs SP-304.P.B.2, SP-304.P.C.2, and SP-304.P.D.2
8. Sectional at Great Room to have Throw Pillows: (3) 16" pillows SP-304.P.E.2 , (3) 16" square pillows SP-304.P.F.2, and (1) 16" square pillow SP-304.P.G.2. Refer to specs SP-304.P.E.2, SP-304.P.F.2, and SP-304.P.G.2.
9. Manufacturer must verify all fabric quantity requirements.
10. Manufacturer to provide nylon carpet glides.
11. All materials and methods of construction must comply with local fire and life safety codes for us in hotels.
12. Ensure that unit will fit in elevators and through doors prior to fabrication.
13. Refer to drawings for location.
14. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-304.1A
Color Name:	Mink
Pattern Name:	Tilburg
Content:	73% Polyester, 27% Acrylic
Flame Rtg:	CAL 117 & NFPA 260
Abrasion:	50,000 Double Rubs
Location:	Main Body - Blue Scheme

ISSUE DATE:

1/15/2020

REVISION DATE:

REV. NO:

SPEC NO:

SP-304.1.2L

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-304.1.2R
DESCRIPTION: L-Shaped Sectional -Right Facing with Loose and Reversible Seat and Back Cushions
MODEL NO: Custom
DIMENSIONS: 126" W x 84"D x 34"H; 18" SH, 28" AH
FINISH / COLOR: Legs stained to match Formica 6440-58
FABRIC DIRECTION: Best Yield

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

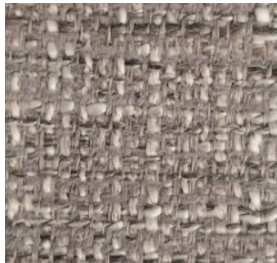
NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	1/15/2020	1	SP-304.1.2R

5. Fully upholstered frames to be constructed of select hardwoods and hardwood plywood. Exposed wood frames to be constructed of maple and beech hardwoods. Hardwood frames to be assembled using double dowels, screws, glue, and corner blocks. Plywood frames to be assembled using interlocking joints, screws, glue and staples. All metal parts of interior hardware must be non-corrosive, guaranteed against rust and corrosion, suitable for use in varying climate conditions.
6. Product to have the following: Loose and reversible back and seat cushions.
7. Sectional at Living Room to have Throw Pillows: (3) 16" pillows SP-304.P.B.2 , (3) 16" square pillows SP-304.P.C.2, and (1) 16" square pillow SP-304.P.D.2. Refer to specs SP-304.P.B.2, SP-304.P.C.2, and SP-304.P.D.2
8. Sectional at Great Room to have Throw Pillows: (3) 16" pillows SP-304.P.E.2 , (3) 16" square pillows SP-304.P.F.2, and (1) 16" square pillow SP-304.P.G.2. Refer to specs SP-304.P.E.2, SP-304.P.F.2, and SP-304.P.G.2.
9. Manufacturer must verify all fabric quantity requirements.
10. Manufacturer to provide nylon carpet glides.
11. All materials and methods of construction must comply with local fire and life safety codes for us in hotels.
12. Ensure that unit will fit in elevators and through doors prior to fabrication.
13. Refer to drawings for location.
14. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-304.1A
Color Name:	Mink
Pattern Name:	Tilburg
Content:	73% Polyester, 27% Acrylic
Flame Rtg:	CAL 117 & NFPA 260
Abrasion:	50,000 Double Rubs
Location:	Main Body - Blue Scheme

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	1/15/2020	1	SP-304.1.2R



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO:	SP-304.P.B.1
DESCRIPTION:	Pillow at Sectional
MODEL NO:	Custom
DIMENSIONS:	16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-304.P.B.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-304.1.P.B1
Color Name:	Teal
Pattern Name:	Berlin
Content:	100% Polyester
Finish:	Soil and Stain Repellent
Backing:	Acrylic
Flame Rtg:	NPFA 260
Abrasion:	Greater than 50,000 Double rubs
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-304.P.B.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-304.P.B.2
DESCRIPTION: Pillow at Sectional
MODEL NO: Custom
DIMENSIONS: 16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-304.P.B.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-304.1.P.B1
Color Name:	Teal
Pattern Name:	Berlin
Content:	100% Polyester
Finish:	Soil and Stain Repellent
Backing:	Acrylic
Flame Rtg:	NPFA 260
Abrasion:	Greater than 50,000 Double rubs
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-304.P.B.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO:	SP-304.P.C.1
DESCRIPTION:	Pillow at Sectional
MODEL NO:	Custom
DIMENSIONS:	16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-304.P.C.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-304.1.P.C1
Color Name:	Henna
Pattern Name:	Marvin
Content:	100% Polyester
Finish:	Soil and Stain Resistance
Flame Rtg:	CAL 117 & NFPA 260
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-304.P.C.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-304.P.C.2
DESCRIPTION: Pillow at Sectional
MODEL NO: Custom
DIMENSIONS: 16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-304.P.C.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-304.1.P.C1
Color Name:	Henna
Pattern Name:	Marvin
Content:	100% Polyester
Finish:	Soil and Stain Resistance
Flame Rtg:	CAL 117 & NFPA 260
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-304.P.C.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO:	SP-304.P.D.1
DESCRIPTION:	Pillow at Sectional
MODEL NO:	Custom
DIMENSIONS:	16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-304.P.D.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID:	SP-304.1.P.D1
Color Name:	Indigo
Pattern Name:	Cross-Stitch
Content:	55% Polyester, 40% Cotton, 5% Linen
Finish:	Stain Resistant
Flame Rtg:	NFPA 260
Abrasion:	50,000 Double Rubs
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-304.P.D.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-304.P.D.2
DESCRIPTION: Pillow at Sectional
MODEL NO: Custom
DIMENSIONS: 16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-304.P.D.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID:	SP-304.1.P.D1
Color Name:	Indigo
Pattern Name:	Cross-Stitch
Content:	55% Polyester, 40% Cotton, 5% Linen
Finish:	Stain Resistant
Flame Rtg:	NFPA 260
Abrasion:	50,000 Double Rubs
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-304.P.D.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-304.P.E.1
DESCRIPTION: Pillow at Sectional
MODEL NO: Custom
DIMENSIONS: 16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-304.P.E.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-304.1.P.E1
Color Name:	Mint
Pattern Name:	Jabble Woven
Content:	100% Polyester
Finish:	Soil and Stain Resistant
Flame Rtg:	CAL 117 & NFPA 260
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-304.P.E.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO:	SP-304.P.E.2
DESCRIPTION:	Pillow at Sectional
MODEL NO:	Custom
DIMENSIONS:	16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-304.P.E.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-304.1.P.E1
Color Name:	Mint
Pattern Name:	Jabble Woven
Content:	100% Polyester
Finish:	Soil and Stain Resistant
Flame Rtg:	CAL 117 & NFPA 260
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-304.P.E.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-304.P.F.1
DESCRIPTION: Pillow at Sectional
MODEL NO: Custom
DIMENSIONS: 16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-304.P.F.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-304.1.P.F1
Color Name:	Lapis
Pattern Name:	Chilver
Content:	100% Polyester
Finish:	Soil and Stain Resistant
Abrasion:	60,000 Double Rubs
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-304.P.F.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-304.P.F.2
DESCRIPTION: Pillow at Sectional
MODEL NO: Custom
DIMENSIONS: 16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-304.P.F.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-304.1.P.F1
Color Name:	Lapis
Pattern Name:	Chilver
Content:	100% Polyester
Finish:	Soil and Stain Resistant
Abrasion:	60,000 Double Rubs
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-304.P.F.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-304.P.G.1
DESCRIPTION: Pillow at Sectional
MODEL NO: Custom
DIMENSIONS: 16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-304.P.G.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

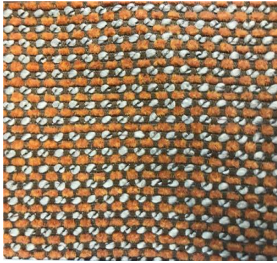


Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-304.1.P.G1
Color Name:	Chutney
Pattern Name:	Ditmars
Content:	57% Polyester, 30% Acrylic, 13% Cotton
Finish:	Soil and Stain Repellant Treatment
Flame Rtg:	Cal TB 117-2013, NFPA 260
Abrasion:	50,000 Double Rubs
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-304.P.G.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-304.P.G.2
DESCRIPTION: Pillow at Sectional
MODEL NO: Custom
DIMENSIONS: 16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-304.P.G.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-304.1.P.G1
Color Name:	Chutney
Pattern Name:	Ditmars
Content:	57% Polyester, 30% Acrylic, 13% Cotton
Finish:	Soil and Stain Repellant Treatment
Flame Rtg:	Cal TB 117-2013, NFPA 260
Abrasion:	50,000 Double Rubs
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-304.P.G.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

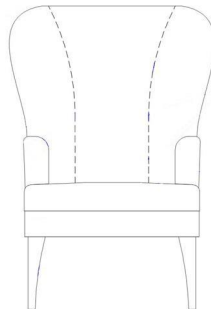
REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-305.1.1
DESCRIPTION: High-Back Lounge Chair
MODEL NO: Custom
DIMENSIONS: 30" W x 30" D x 44" H; 18" SH, 25" AH

FINISH / COLOR: To match Formica 6440-58

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

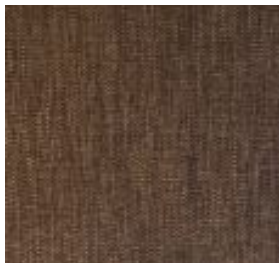
FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-305.1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space



MANUFACTURER:

Valley Forge Fabrics, Inc
1650 West McNab Road
Fort Lauderdale, FL 33309
954-971-1776
954-968-1775
standardquotes@valleyforge.com
www.valleyforge.com

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

REPRESENTATIVE:

Katy Daly
1650 West McNab Road
Fort Lauderdale, FL 33309
310-291-5288
KDaly@valleyforge.com

Spec ID:	SP-305.1A
Color Name:	Brownies
Pattern Name:	Rockstar Chenille
Content:	100% Polyester
Flame Rtg:	NFPA 260, ACT Performance Guidelines
Abrasion:	30,000 Double Rubs
Location:	Main Body - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-305.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

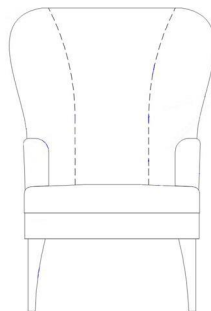
REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO:	SP-305.1.2
DESCRIPTION:	High-Back Lounge Chair
MODEL NO:	Custom
DIMENSIONS:	30" W x 30" D x 44" H; 18" SH, 25" AH

FINISH / COLOR: To match Formica 6440-58

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-305.1.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space



MANUFACTURER:

Valley Forge Fabrics, Inc
1650 West McNab Road
Fort Lauderdale, FL 33309
954-971-1776
954-968-1775
standardquotes@valleyforge.com
www.valleyforge.com

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

REPRESENTATIVE:

Katy Daly
1650 West McNab Road
Fort Lauderdale, FL 33309
310-291-5288
KDaly@valleyforge.com

Spec ID:	SP-305.1A
Color Name:	Brownies
Pattern Name:	Rockstar Chenille
Content:	100% Polyester
Flame Rtg:	NFPA 260, ACT Performance Guidelines
Abrasion:	30,000 Double Rubs
Location:	Main Body - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-305.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

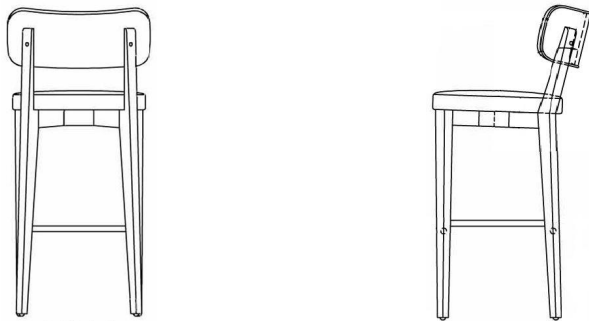
REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-306.1.1
DESCRIPTION: Bar Height Stool
MODEL NO: Custom
DIMENSIONS: 19"W x 21" D x 41" H; 30" SH

FINISH / COLOR: To match SP-PL02

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/15/2020	1	SP-306.1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Valley Forge Fabrics, Inc
1650 West McNab Road
Fort Lauderdale, FL 33309
954-971-1776
954-968-1775
standardquotes@valleyforge.com
www.valleyforge.com

REPRESENTATIVE:

Katy Daly
1650 West McNab Road
Fort Lauderdale, FL 33309
310-291-5288
KDaly@valleyforge.com

Spec ID: SP-306.1A
Color Name: Turf-KBD
Pattern Name: Wisent 13
Content: 100% PVC
Finish: Soil and Stain Resistant
Flame Rtg: CAL TB 117
Abrasion: 100,000 Double Rubs
Location: Main Body - Blue Scheme



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL02
Category: Finish
Color Name: #9312-NG Planked Urban Oak
Finish: Natural Grain
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/15/2020	1	SP-306.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

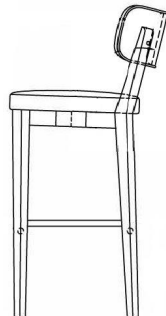
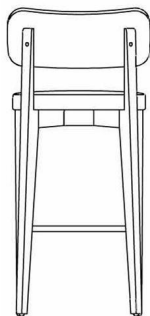
REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-306.1.2
DESCRIPTION: Bar Height Stool
MODEL NO: Custom
DIMENSIONS: 19"W x 21" D x 41" H; 30" SH

FINISH / COLOR: To match SP-PL02

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/15/2020	1	SP-306.1.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Valley Forge Fabrics, Inc
1650 West McNab Road
Fort Lauderdale, FL 33309
954-971-1776
954-968-1775
standardquotes@valleyforge.com
www.valleyforge.com

REPRESENTATIVE:

Katy Daly
1650 West McNab Road
Fort Lauderdale, FL 33309
310-291-5288
KDaly@valleyforge.com

Spec ID: SP-306.1A
Color Name: Turf-KBD
Pattern Name: Wisent 13
Content: 100% PVC
Finish: Soil and Stain Resistant
Flame Rtg: CAL TB 117
Abrasion: 100,000 Double Rubs
Location: Main Body - Blue Scheme



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SP-PL02
Category: Finish
Color Name: #9312-NG Planked Urban Oak
Finish: Natural Grain
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/15/2020	1	SP-306.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-309.1.1

DESCRIPTION: Winged Banquette with Power

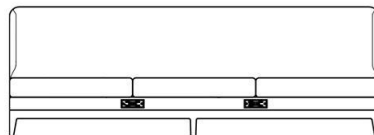
MODEL NO: Custom

DIMENSIONS: 114"W x 30" D x 36"H, 19"SH

FINISH / COLOR: To match Formica 6440-58

POWER: (2) M-POWER-3T-AUA-BB or equal to be integrated into upholstered base

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-309.1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID: SP-309.1A
Color Name: Agate
Pattern Name: Extosrbk
Content: 23% Polyester, 77% Arcylic
Finish: Stain and Soil Repellant
Flame Rtg: NFPA 260
Abrasion: 60,000 Double Rubs
Location: Back - Blue Scheme



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID: SP-309.1B
Color Name: Real Teal
Pattern Name: Custom Mystical
Content: 100% Vinylife
Finish: Soil and Stain Repellant
Backing: 100% Polyester
Flame Rtg: Cal TB 117-2013; NFPA 260
Abrasion: Exceeds 100,000 Double Rubs
Location: Seat - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-309.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

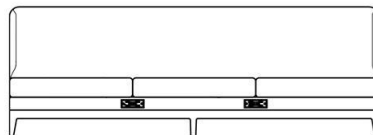
SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-309.1.2
DESCRIPTION: Winged Banquette with Power
MODEL NO: Custom
DIMENSIONS: 114"W x 30" D x 36"H, 19"SH
FINISH / COLOR: To match Formica 6440-58
POWER: (2) M-POWER-3T-AUA-BB or equal to be integrated into upholstered base

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-309.1.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID: SP-309.1A
Color Name: Agate
Pattern Name: Extosrbk
Content: 23% Polyester, 77% Arcylic
Finish: Stain and Soil Repellant
Flame Rtg: NFPA 260
Abrasion: 60,000 Double Rubs
Location: Back - Blue Scheme



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID: SP-309.1B
Color Name: Real Teal
Pattern Name: Custom Mystical
Content: 100% Vinylife
Finish: Soil and Stain Repellant
Backing: 100% Polyester
Flame Rtg: Cal TB 117-2013; NFPA 260
Abrasion: Exceeds 100,000 Double Rubs
Location: Seat - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-309.1.2

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

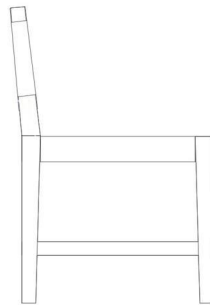
REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-310.1.1
DESCRIPTION: Dining Chair
MODEL NO: Custom
DIMENSIONS: 22" W x 22" D x 32" H; 19" SH

FINISH / COLOR: To match Formica 6440-58

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-310.1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-310.1A
Color Name:	Stone
Pattern Name:	Velluto
Content:	100% Polyurethane
Finish:	Soil and Stain Resistant
Backing:	Acrylic
Flame Rtg:	NFPA 260
Abrasion:	100,000 Double Rubs
Location:	Main Body - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-310.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

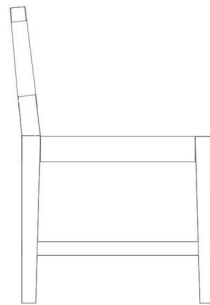
REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-310.1.2
DESCRIPTION: Dining Chair
MODEL NO: Custom
DIMENSIONS: 22" W x 22" D x 32" H; 19" SH

FINISH / COLOR: To match Formica 6440-58

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-310.1.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-310.1A
Color Name:	Stone
Pattern Name:	Velluto
Content:	100% Polyurethane
Finish:	Soil and Stain Resistant
Backing:	Acrylic
Flame Rtg:	NFPA 260
Abrasion:	100,000 Double Rubs
Location:	Main Body - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-310.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

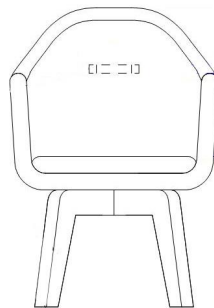
CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-311.1.1
DESCRIPTION: Lounge Style Dining Chair with Vinyl Strap Handle and Wood Legs
MODEL NO: Custom
DIMENSIONS: 25" W x 24" D x 36" H
FINISH / COLOR: Legs: Stained to match Formica 6440-58, Nailhead at Handle: Black Pearl BP912

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

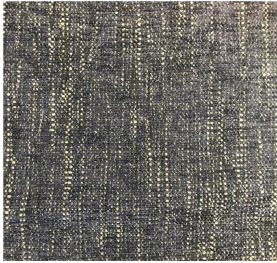
ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-311.1.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID: SP-311.1A
Color Name: Navy
Pattern Name: Tuskegee
Content: 100% Polyester
Finish: Soil and Stain Repellant
Flame Rtg: NFPA 260A, CAL 117
Abrasion: 100,000 Double Rubs
Location: Main Body - Blue Scheme



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID: SP-311.1B
Color Name: Tortoise
Pattern Name: Custom Dima
Content: 100% Vinylife
Finish: Stain and Ink Resistance
Backing: 100% Polyester
Flame Rtg: NFPA 260, CAL 117-2013
Abrasion: Exceeds 200,000 Double Rubs
Location: Handle - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-311.1.1

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

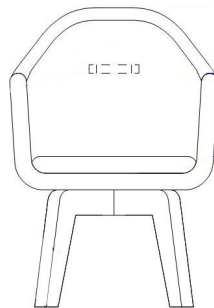
REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-311.1.2
DESCRIPTION: Lounge Style Dining Chair with Vinyl Strap Handle and Wood Legs
MODEL NO: Custom
DIMENSIONS: 25" W x 24" D x 36" H

FINISH / COLOR: Legs: Stained to match Formica 6440-58, Nailhead at Handle: Black Pearl BP912

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

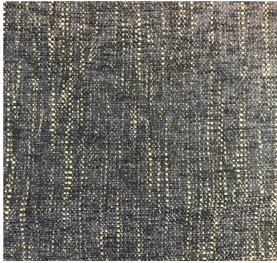
ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-311.1.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID: SP-311.1A
Color Name: Navy
Pattern Name: Tuskegee
Content: 100% Polyester
Finish: Soil and Stain Repellant
Flame Rtg: NFPA 260A, CAL 117
Abrasion: 100,000 Double Rubs
Location: Main Body - Blue Scheme



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID: SP-311.1B
Color Name: Tortoise
Pattern Name: Custom Dima
Content: 100% Vinylife
Finish: Stain and Ink Resistance
Backing: 100% Polyester
Flame Rtg: NFPA 260, CAL 117-2013
Abrasion: Exceeds 200,000 Double Rubs
Location: Handle - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-311.1.2

COLORWAY: Blue Scheme

AREA: Public Areas: Bar

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-312.1.1

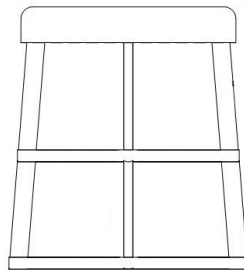
DESCRIPTION: Backless Stool with Metal Legs (Barstool for Optional Bar Area)

MODEL NO: Custom

DIMENSIONS: 20" Dia. x 30" H

FINISH / COLOR: To match Chemetal 310

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.
5. All corners of metal frame to be mitered; grind and smooth all edges; no visible weld, seams, or burn marks. All weld to be filled and fully furnished. Seal as required.
6. Product to have the following: Loose and reversible back seat cushions.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-312.1.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. Manufacturer must verify all fabric quantity requirements.
8. Manufacturer to provide nylon glides suitable for use on tile.
9. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
10. Refer to drawings for location.
11. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-312.1A
Color Name:	Seal
Pattern Name:	Delilo
Content:	100% Polyurethane (Face)
Backing:	85/15 TC Backing
Flame Rtg:	NFPA 260A, CAL-117
Abrasion:	100,000 Double Rubs
Location:	Main Body - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-312.1.1

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

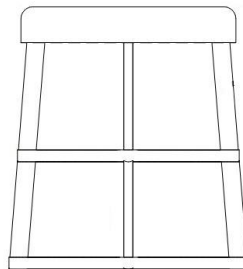
CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-312.1.1 (ADA)
DESCRIPTION: Backless Stool with Metal Legs (For Gathering Table and ADA Bar Area)
MODEL NO: Custom
DIMENSIONS: 20" Dia. x 22" H
FINISH / COLOR: To match Chemetal 310

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.
5. All corners of metal frame to be mitered; grind and smooth all edges; no visible weld, seams, or burn marks. All weld to be filled and fully furnished. Seal as required.
6. Product to have the following: Loose and reversible back seat cushions.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-312.1.1 (ADA)

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. Manufacturer must verify all fabric quantity requirements.
8. Manufacturer to provide nylon glides suitable for use on tile.
9. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
10. Refer to drawings for location.
11. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-312.1A
Color Name:	Seal
Pattern Name:	Delilo
Content:	100% Polyurethane (Face)
Backing:	85/15 TC Backing
Flame Rtg:	NFPA 260A, CAL-117
Abrasion:	100,000 Double Rubs
Location:	Main Body - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-312.1.1 (ADA)

COLORWAY: Blue Scheme

AREA:

MANUFACTURER:

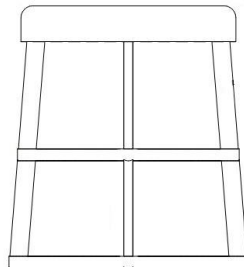
SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-312.1.2
DESCRIPTION: Backless Stool with Metal Legs (Barstool for Optional Bar Area)
MODEL NO: Custom
DIMENSIONS: 20" Dia. x 30" H
FINISH / COLOR: To match Chemetal 310

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.
5. All corners of metal frame to be mitered; grind and smooth all edges; no visible weld, seams, or burn marks. All weld to be filled and fully furnished. Seal as required.
6. Product to have the following: Loose and reversible back seat cushions.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	12/15/2019	1	SP-312.1.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. Manufacturer must verify all fabric quantity requirements.
8. Manufacturer to provide nylon glides suitable for use on tile.
9. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
10. Refer to drawings for location.
11. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-312.1A
Color Name:	Seal
Pattern Name:	Delilo
Content:	100% Polyurethane (Face)
Backing:	85/15 TC Backing
Flame Rtg:	NFPA 260A, CAL-117
Abrasion:	100,000 Double Rubs
Location:	Main Body - Blue Scheme

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	12/15/2019	1	SP-312.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

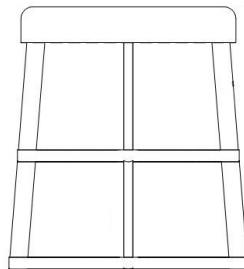
SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-312.1.2 (ADA)
DESCRIPTION: Backless Stool with Metal Legs (For Gathering Table and ADA Bar Area)
MODEL NO: Custom
DIMENSIONS: 20" Dia. x 22" H
FINISH / COLOR: To match Chemetal 310

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.
5. All corners of metal frame to be mitered; grind and smooth all edges; no visible weld, seams, or burn marks. All weld to be filled and fully furnished. Seal as required.
6. Product to have the following: Loose and reversible back seat cushions.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-312.1.2 (ADA)

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. Manufacturer must verify all fabric quantity requirements.
8. Manufacturer to provide nylon glides suitable for use on tile.
9. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
10. Refer to drawings for location.
11. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-312.1A
Color Name:	Seal
Pattern Name:	Delilo
Content:	100% Polyurethane (Face)
Backing:	85/15 TC Backing
Flame Rtg:	NFPA 260A, CAL-117
Abrasion:	100,000 Double Rubs
Location:	Main Body - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-312.1.2 (ADA)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-313.1.1

DESCRIPTION: Banquette

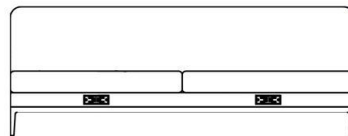
MODEL NO: Custom

DIMENSIONS: 105" W x 30" D x 36" H; 18" SH, 18" H Back Cushions

FINISH / COLOR: To match Formica 6440-58

POWER: (2) M-POWER-3T-AUA-BB or equal to be integrated into upholstered base

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-313.1.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID: SP-313.1A
Color Name: Granite
Pattern Name: Jenkins
Content: 100% Polyester
Finish: Stain and Soil Resistant
Flame Rtg: CAL 117 & NFPA 260
Abrasion: 60,000 Double Rubs
Location: Back - Blue Scheme



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID: SP-313.1B
Color Name: Stone
Pattern Name: Velluto
Content: 100% Polyurethane
Finish: Soil and Stain Resistant
Backing: Acrylic
Flame Rtg: NFPA 260
Abrasion: 100,000 Double Rubs
Location: Seat - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-313.1.1

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

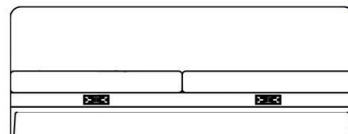
SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-313.1.2
DESCRIPTION: Banquette
MODEL NO: Custom
DIMENSIONS: 105" W x 30" D x 36" H; 18" SH, 18" H Back Cushions
FINISH / COLOR: To match Formica 6440-58
POWER: (2) M-POWER-3T-AUA-BB or equal to be integrated into upholstered base

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-313.1.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID: SP-313.1A
Color Name: Granite
Pattern Name: Jenkins
Content: 100% Polyester
Finish: Stain and Soil Resistant
Flame Rtg: CAL 117 & NFPA 260
Abrasion: 60,000 Double Rubs
Location: Back - Blue Scheme



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID: SP-313.1B
Color Name: Stone
Pattern Name: Velluto
Content: 100% Polyurethane
Finish: Soil and Stain Resistant
Backing: Acrylic
Flame Rtg: NFPA 260
Abrasion: 100,000 Double Rubs
Location: Seat - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-313.1.2

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-314.1.1

DESCRIPTION: Cushion at Window Seat

MODEL NO: Custom

DIMENSIONS: 176" W x 24" D x 4" H

CLOSURE: Full length synthetic zipper (not metal); To be hidden in body edge length

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.
5. Provide Four 44" Width Cushions - Measurements must be verified in field.
6. Manufacturer must verify all fabric quantity requirements.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-314.1.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
8. Refer to drawings for location.
9. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-314.1A
Color Name:	Storm
Pattern Name:	Crafty
Content:	95% Polyester, 3% Cotton, 2% Nylon
Location:	Cushion - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-314.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-314.1.2
DESCRIPTION: Cushion at Window Seat
MODEL NO: Custom
DIMENSIONS: 176" W x 24" D x 4" H

CLOSURE: Full length synthetic zipper (not metal); To be hidden in body edge length

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Provide Four 44" Width Cushions - Measurements must be verified in field.
2. Product to be of contract quality and suitable for commercial use.
3. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
4. All foam to comply with CA117.
5. All fabrics to comply with NFPA 701 & NFPA 260.
6. Manufacturer must verify all fabric quantity requirements.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-314.1.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. All materials and methods of construction must comply with local fire and life safety codes for use in hotels.
8. Refer to drawings for location.
9. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-314.1A
Color Name:	Storm
Pattern Name:	Crafty
Content:	95% Polyester, 3% Cotton, 2% Nylon
Location:	Cushion - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-314.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-314.P.B.1
DESCRIPTION: Throw Pillow at Window Seat
MODEL NO: Custom
DIMENSIONS: 16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-314.P.B.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-314.1.P.B1
Color Name:	Teal
Pattern Name:	Berlin
Content:	100% Polyester
Finish:	Soil and Stain Repellent
Backing:	Acrylic
Flame Rtg:	NFPA 260
Abrasion:	50,000 Double Rubs
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-314.P.B.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-314.P.B.2
DESCRIPTION: Throw Pillow at Window Seat
MODEL NO: Custom
DIMENSIONS: 16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-314.P.B.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-314.1.P.B1
Color Name:	Teal
Pattern Name:	Berlin
Content:	100% Polyester
Finish:	Soil and Stain Repellent
Backing:	Acrylic
Flame Rtg:	NFPA 260
Abrasion:	50,000 Double Rubs
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-314.P.B.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-314.P.C.1
DESCRIPTION: Throw Pillow at Window Seat
MODEL NO: Custom
DIMENSIONS: 16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-314.P.C.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-314.1.P.C1
Color Name:	Henna
Pattern Name:	Marvin
Content:	100% Polyester
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-314.P.C.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-314.P.C.2
DESCRIPTION: Throw Pillow at Window Seat
MODEL NO: Custom
DIMENSIONS: 16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-314.P.C.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-314.1.P.C1
Color Name:	Henna
Pattern Name:	Marvin
Content:	100% Polyester
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-314.P.C.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO:	SP-314.P.D.1
DESCRIPTION:	Throw Pillow at Window Seat
MODEL NO:	Custom
DIMENSIONS:	16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-314.P.D.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID:	SP-314.1.P.D1
Color Name:	Indigo
Pattern Name:	Cross-Stitch
Content:	55% Polyester, 40% Cotton, 5% Linen
Finish:	Stain Resistant
Flame Rtg:	NFPA 260
Abrasion:	50,000 Double Rubs
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-314.P.D.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO:	SP-314.P.D.2
DESCRIPTION:	Throw Pillow at Window Seat
MODEL NO:	Custom
DIMENSIONS:	16" H x 16" W

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-314.P.D.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID:	SP-314.1.P.D1
Color Name:	Indigo
Pattern Name:	Cross-Stitch
Content:	55% Polyester, 40% Cotton, 5% Linen
Finish:	Stain Resistant
Flame Rtg:	NFPA 260
Abrasion:	50,000 Double Rubs
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-314.P.D.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO:	SP-314.P.E.1
DESCRIPTION:	Bolster Pillow at window seat
MODEL NO:	Custom
DIMENSIONS:	45"W x 10"H x 2"-6"D

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All foam to comply with CA117.
3. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.
4. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-314.P.E.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

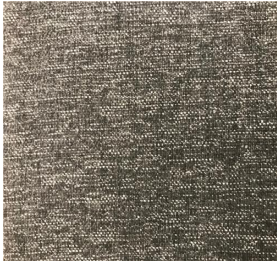


Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-314.1.P.E1
Color Name:	Storm
Pattern Name:	Crafty
Content:	95% Polyester, 3% Cotton, 2% Nylon
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-314.P.E.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-314.P.E.2
DESCRIPTION: Bolster Pillow at window seat
MODEL NO: Custom
DIMENSIONS: 45"W x 10"H x 2"-6"D

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. Removable cover. Fabricate with double rolled French seams and concealed Teflon coated or nylon zipper.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-314.P.E.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

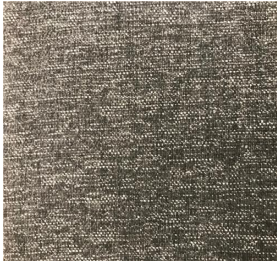


Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-314.1.P.E1
Color Name:	Storm
Pattern Name:	Crafty
Content:	95% Polyester, 3% Cotton, 2% Nylon
Location:	Accent Pillow - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-314.P.E.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

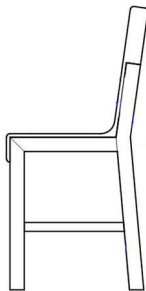
CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-317.1.1
DESCRIPTION: Business Center Counter Stool
MODEL NO: Custom
DIMENSIONS: 19" W x 21" D x 33.5"H; 22.5"SH
FINISH / COLOR: To match Formica 9312-NG

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-317.1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Valley Forge Fabrics, Inc
1650 West McNab Road
Fort Lauderdale, FL 33309
954-971-1776
954-968-1775
standardquotes@valleyforge.com
www.valleyforge.com

REPRESENTATIVE:

Katy Daly
1650 West McNab Road
Fort Lauderdale, FL 33309
310-291-5288
KDaly@valleyforge.com

Spec ID:	SP-317.1A
Color Name:	Turf-KBD
Pattern Name:	Wisent-13
Content:	100% PVC
Finish:	Soil and Stain Resistant
Backing:	Acrylic
Flame Rtg:	CAL TB 117
Abrasion:	100,000 Double Rubs
Location:	Main Body - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-317.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

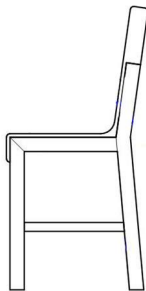
REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-317.1.2
DESCRIPTION: Business Center Counter Stool
MODEL NO: Custom
DIMENSIONS: 19" W x 21" D x 33.5"H; 22.5"SH

FINISH / COLOR: To match Formica 9312-NG

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-317.1.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Valley Forge Fabrics, Inc
1650 West McNab Road
Fort Lauderdale, FL 33309
954-971-1776
954-968-1775
standardquotes@valleyforge.com
www.valleyforge.com

REPRESENTATIVE:

Katy Daly
1650 West McNab Road
Fort Lauderdale, FL 33309
310-291-5288
KDaly@valleyforge.com

Spec ID:	SP-317.1A
Color Name:	Turf-KBD
Pattern Name:	Wisent-13
Content:	100% PVC
Finish:	Soil and Stain Resistant
Backing:	Acrylic
Flame Rtg:	CAL TB 117
Abrasion:	100,000 Double Rubs
Location:	Main Body - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-317.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Meeting Room

MANUFACTURER:

MTS SEATING
P 734-847-3875 / P 800-329-0687
F 800-329-0687
7100 Industrial Drive
Temperance, MI 48182
www.mtsseating.com

REP FIRM:

Wells & Company LLC.
Jeff Wells
2748 S. Cobb Ind. Blvd. Smyrna,
GA 30082
PH: 770-432-1155
PH: 770-845-1582 (c)
F: 770-432-1155
jeffwells@wells-company.com

SPEC NO: SP-350.1.1
DESCRIPTION: Meeting Room Chair - for Renovation
MODEL NO: 578-CH Omega II Series
DIMENSIONS: 18"W x 22.5"D x 36.5"H

FINISH/COLOR: Frame: steel; fabric Laine Ash LN506

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. California Projects: Where upholstered furniture is used in public access areas, these items must be tested to verify compliance with flammability requirements of California Technical Bulletin 133. Item must be labeled in accordance with TB 133 Standards.
3. All foam to comply with CA117.
4. All fabrics to comply with NFPA 701 & NFPA 260.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	2/28/2022	1	SP-350.1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

**MANUFACTURER:**

MTS Seating
7100 Industrial Drive

Temperance, MI 48182
734-847-3875
800-329-0687
www.mtsseating.com

Category: Meeting Room Chair
Description: Upholstery
Color: Ash
Pattern: LNE506

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

REPRESENTATIVE:

Jeff Wells
2748 S. Cobb Ind. Blvd. Smyrna, GA
30082
770-432-1155
jeffwells@wells-company.com

**MANUFACTURER:**

MTS Seating
7100 Industrial Drive

Temperance, MI 48182
734-847-3875
800-329-0687
www.mtsseating.com

Category: Meeting Room Chair Base
Description: Powder Coat
Pattern: Solidtone S34

REPRESENTATIVE:

Jeff Wells
2748 S. Cobb Ind. Blvd. Smyrna, GA
30082
770-432-1155
jeffwells@wells-company.com

ISSUE DATE:

6/15/2020

REVISION DATE:

2/28/2022

REV. NO:

1

SPEC NO:

SP-350.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Lobby

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

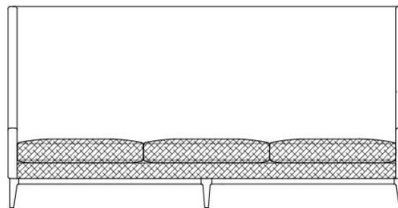
REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-351.1
DESCRIPTION: Banquette - for Renovation
MODEL NO: Custom
DIMENSIONS: 108"W x 36"D x 55"H

FINISH / COLOR: To match Formica 6440-58

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Manufacturer must verify all fabric quantity requirements.
2. Product to be of contract quality and suitable for commercial use.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels and other public spaces.
4. Refer to drawings for location.
5. Ensure that unit will fit in elevators and through doors prior to commencing fabrication.
6. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	2/28/2022	1	SP-351.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID: SP-309.1A
Color Name: Agate
Pattern Name: Extosrbk
Content: 23% Polyester, 77% Arcylic
Finish: Stain and Soil Repellant
Flame Rtg: NFPA 260
Abrasion: 60,000 Double Rubs
Location: Back - Blue Scheme



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID: SP-309.1B
Color Name: Real Teal
Pattern Name: Custom Mystical
Content: 100% Vinylife
Finish: Soil and Stain Repellant
Backing: 100% Polyester
Flame Rtg: Cal TB 117-2013; NFPA 260
Abrasion: Exceeds 100,000 Double Rubs
Location: Seat - Blue Scheme

ISSUE DATE:

6/15/2020

REVISION DATE:

2/28/2022

REV. NO:

1

SPEC NO:

SP-351.1

COLORWAY: Blue Scheme

AREA: Public Areas: Lobby

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

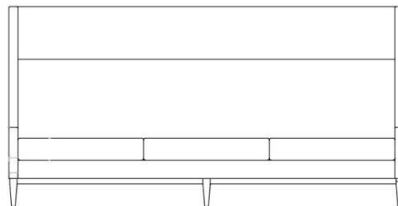
REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-351.2
DESCRIPTION: Banquette - for Renovation
MODEL NO: Custom
DIMENSIONS: 108"W x 36"D x 55"H

FINISH / COLOR: To match Formica 6440-58

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Manufacturer must verify all fabric quantity requirements.
2. Product to be of contract quality and suitable for commercial use.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels and other public spaces.
4. Refer to drawings for location.
5. Ensure that unit will fit in elevators and through doors prior to commencing fabrication.
6. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	2/28/2022	1	SP-351.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID: SP-309.1A
Color Name: Agate
Pattern Name: Extosrbk
Content: 23% Polyester, 77% Arcylic
Finish: Stain and Soil Repellant
Flame Rtg: NFPA 260
Abrasion: 60,000 Double Rubs
Location: Back - Blue Scheme



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID: SP-309.1B
Color Name: Real Teal
Pattern Name: Custom Mystical
Content: 100% Vinylife
Finish: Soil and Stain Repellant
Backing: 100% Polyester
Flame Rtg: Cal TB 117-2013; NFPA 260
Abrasion: Exceeds 100,000 Double Rubs
Location: Seat - Blue Scheme

ISSUE DATE:

6/15/2020

REVISION DATE:

2/28/2022

REV. NO:

1

SPEC NO:

SP-351.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Business Center

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-353.1
DESCRIPTION: Business Center Task Chair
MODEL NO: 800-211
DIMENSIONS: Overall Height: 33.25" Min - 36" Max H
Overall Width: 20.25" SH
Overall Depth: 25.25"
Seat Height: 17.75" Min-20.5" Max
Arm Height: 25.75"-28.5"

BASE: Hydraulic tilt, Swivel gas lift, Black nylon with black Casters
ESTIMATED YARDAGE: 3 Yards
FINISH: Seat and Body: Upholstered Vinyl
FABRIC DIRECTION: Best Yield

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Manufacturer must verify all fabric quantity requirements.
2. To be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	2/28/2022	1	SP-353.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels and other public spaces.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-312.1A
Color Name:	Seal
Pattern Name:	Delilo
Content:	100% Polyurethane (Face)
Backing:	85/15 TC Backing
Flame Rtg:	NFPA 260A, CAL-117
Abrasion:	100,000 Double Rubs
Location:	Main - Blue Scheme

ISSUE DATE:

6/15/2020

REVISION DATE:

2/28/2022

REV. NO:

1

SPEC NO:

SP-353.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Business Center

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-353.2
DESCRIPTION: Business Center Task Chair
MODEL NO: 962-4
DIMENSIONS: Overall Height: 37.5" Min - 30" Max H
Overall Width: 23"
Overall Depth: 26"
Seat Height: 18.5" Min-29" Max
Arm Height: 26.5"-29"

BASE: Hydraulic tilt, Swivel gas lift, Black nylon with black Casters
ESTIMATED YARDAGE: 3 Yards
FINISH: Seat and Body: Upholstered Vinyl
FABRIC DIRECTION: Best Yield

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Manufacturer must verify all fabric quantity requirements.
2. To be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	2/28/2022	1	SP-353.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels and other public spaces.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Richloom Contract
261 Fifth Ave, 12th Floor
New York, NY 10016
www.richloomcontract.com

REPRESENTATIVE:

Ashley Greenwell
678-234-5405
ashleytgreenwell@gmail.com

Spec ID:	SP-312.1A
Color Name:	Seal
Pattern Name:	Delilo
Content:	100% Polyurethane (Face)
Backing:	85/15 TC Backing
Flame Rtg:	NFPA 260A, CAL-117
Abrasion:	100,000 Double Rubs
Location:	Main - Blue Scheme

ISSUE DATE:

6/15/2020

REVISION DATE:

2/28/2022

REV. NO:

1

SPEC NO:

SP-353.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Entry Vestibule

MANUFACTURER:

CHARTER FURNITURE
Debbie Graham
P 919-214-7026
F 740-881-1092
E dgraham@charterfurniture.com
206 East Frazier Avenue
Liberty, NC 27298
www.charterfurniture.com

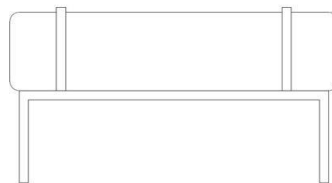
REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SP-354.1
DESCRIPTION: Entry Bench - for Renovation
MODEL NO: Custom
DIMENSIONS: 35-1/2" W x 19-1/2" D x 18" H

FINISH / COLOR: To match Formica 6440-58

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Manufacturer must verify all fabric quantity requirements.
2. Product to be of contract quality and suitable for commercial use.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels and other public spaces.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	2/28/2022	1	SP-354.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID: SP-302.1A
Color Name: Tortoise
Pattern Name: Custom Dima
Content: 100% Vinylife
Finish: Pro Tech Stain Repellent
Backing: 100% Polyester
Flame Rtg: NPFA 260; CAL 117-2013
Abrasion: Exceeds 200,000 Double Rubs
Location: Strap - Blue and Taupe Schemes



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Legs - Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	2/28/2022	1	SP-354.1

COLORWAY: Blue Scheme

AREA: Public Areas: Entry Vestibule

MANUFACTURER:

SOUTHFIELD FURNITURE
Mike Gulledge x-24 (Corporate Contact)
P 336-434-6220
F 336-434-6175
E MichaelGulledge@southfieldfurniture.net
2224 Shore Street
High Point, NC 27263
www.southfieldfurniture.net

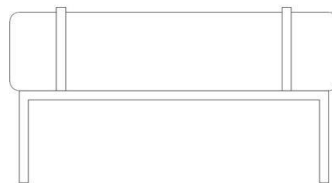
REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 ext 111
PH: 678-468-2600 (c)
F: 678-388-9529 ext 111
chad@chadgunderson.com

SPEC NO: SP-354.2
DESCRIPTION: Entry Bench - for Renovation
MODEL NO: Custom
DIMENSIONS: 36" W x 18" D x 18" H

FINISH / COLOR: To match Formica 6440-58

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Manufacturer must verify all fabric quantity requirements.
2. Product to be of contract quality and suitable for commercial use.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels and other public spaces.
4. Refer to drawings for location.
5. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	2/28/2022	1	SP-354.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Fil Doux
227 Fifth Avenue
Brooklyn, NY 11215
(212) 202-1459
info@fildoux.com
www.fildoux.com

REPRESENTATIVE:

Andrew Miller
706-280-3049
andrew@mintgroupusa.com

Spec ID: SP-302.1A
Color Name: Tortoise
Pattern Name: Custom Dima
Content: 100% Vinylife
Finish: Pro Tech Stain Repellent
Backing: 100% Polyester
Flame Rtg: NPFA 260; CAL 117-2013
Abrasion: Exceeds 200,000 Double Rubs
Location: Straps - Blue and Taupe Schemes



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Legs - Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	2/28/2022	1	SP-354.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Business Center

MANUFACTURER:

JSI - JASPER GROUP BRAND
P 800-457-4511 / P 812-936-9977
F 812-482-1548
E customerservice@jaspergroup.us.com
225 Clay Street
Jasper, ID 47546
<http://www.jsifurniture.com/>

REP FIRM:

CFC Group
Rhonda Close
1285 Chattahoochee Ave,
Atlanta, GA 30318
PH: O: 404.351.5000 ext. 232
PH: C: 404-310-0356
rclose@cfcgroup.com

SPEC NO: SP-356.1
DESCRIPTION: Sofa Pod - for Renovation
MODEL NO: SSA# AS-192720
DIMENSIONS: 35-1/4" D x 87-1/2" W x 52" H

FABRIC: Manufacturer to Provide. See below for reference.
FINISH: Seat and Body: Fabric; Legs: Maple (STD)
IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.
ITEM: Sofa with privacy surround and power unit

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Manufacturer must verify all fabric quantity requirements.
2. Product to be of contract quality and suitable for commercial use.
3. All materials and methods of construction must comply with local fire and life safety codes for use in hotels and other public spaces.
4. Refer to drawings for location.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-356.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Ensure that unit will fit in elevators and through doors prior to commencing fabrication.
6. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Maharam

404-909-8428

klent@maharam.com

REPRESENTATIVE:

Jason Sharpe

678-895-3043

jsharpe@maharam.com

Spec ID: SP-356.1A
Color Name: 086 Voyage
Pattern Name: Messenger 458640
Content: 78% Recycled Polyester, 15% Polyester, 7% Nylon
Finish: Stain Repellent
Backing: None
Flame Rtg: CAL 117-2013, NFPA 260
Abrasion: 100,000 double rubs Wyzenbeek
Location: Blue Scheme - Body of the Sofa



MANUFACTURER:

Momentum Textiles & Wallcovering

800-366-6839

REPRESENTATIVE:

Jean Hall

404-964-0229

jhall@momtex.com

Spec ID: SP-356.1B
Color Name: Ash
Pattern Name: Hobnob 2018
Content: 51% Recycled Polyester, 49% Polyester
Finish: Crypton Green
Flame Rtg: CA Bulletin 117 2013
Location: Blue Scheme - Sofa Surround



MANUFACTURER:

Momentum Textiles & Wallcovering

800-366-6839

REPRESENTATIVE:

Jean Hall

404-964-0229

jhall@momtex.com

Spec ID: SP-356.2A
Color Name: Forest

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-356.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

Pattern Name: Hobnob 2018
Content: 51% Recycled Polyester, 49% Polyester
Finish: Crypton Green
Backing: None
Flame Rtg: CA Bulletin 117-2013
Abrasion: 87,000 D.R.
Location: Taupe Scheme - Body of the Sofa



MANUFACTURER:
Momentum Textiles & Wallcovering

800-366-6839

REPRESENTATIVE:
Jean Hall
404-964-0229
jhall@momtex.com

Spec ID: SP-356.2B
Color Name: Zebra
Pattern Name: Hobnob 2018
Finish: Crypton Green
Backing: None
Flame Rtg: CA Bulletin 117 2013
Abrasion: 87,000 Double Rubs
Location: Taupe Scheme - Sofa Surround

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-356.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Public Areas: Business Center

MANUFACTURER:

JSI - JASPER GROUP BRAND
P 800-457-4511 / P 812-936-9977
F 812-482-1548
E customerservice@jaspergroup.us.com
225 Clay Street
Jasper, ID 47546
<http://www.jsifurniture.com/>

REP FIRM:

CFC Group
Rhonda Close
1285 Chattahoochee Ave,
Atlanta, GA 30318
PH: O: 404.351.5000 ext. 232
PH: C: 404-310-0356
rclose@cfcgroup.com

SPEC NO: SP-357.1
DESCRIPTION: Chair Pod - for Renovation
MODEL NO: SSA# AS-192720
DIMENSIONS: 35-1/4" D x 39-1/2" W x 52" H

FABRIC: Manufacturer to Provide. See below for reference.
FINISH: Seat and Body: Fabric; Legs: Maple (STD)
IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.
ITEM: Chair with privacy surround, power unit, and tablet arm

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Refer to manufacturer for additional clip-on lighting.
2. Manufacturer must verify all fabric quantity requirements.
3. Product to be of contract quality and suitable for commercial use.
4. All materials and methods of construction must comply with local fire and life safety codes for use in hotels and other public spaces.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-357.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Refer to drawings for location.
6. Ensure that unit will fit in elevators and through doors prior to commencing fabrication.
7. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Maharam

404-909-8428

klent@maharam.com

REPRESENTATIVE:

Jason Sharpe

678-895-3043

jsharpe@maharam.com

Spec ID: SP-356.1A
Color Name: 086 Voyage
Pattern Name: Messenger 458640
Content: 78% Recycled Polyester, 15% Polyester, 7% Nylon
Finish: Stain Repellent
Backing: None
Flame Rtg: CAL 117-2013, NFPA 260
Abrasion: 100,000 double rubs Wyzenbeek
Location: Blue Scheme - Chair Surround



MANUFACTURER:

Momentum Textiles & Wallcovering

800-366-6839

REPRESENTATIVE:

Jean Hall

404-964-0229

jhall@momtex.com

Spec ID: SP-356.1B
Color Name: Ash
Pattern Name: Hobnob 2018
Content: 51% Recycled Polyester, 49% Polyester
Finish: Crypton Green
Flame Rtg: CA Bulletin 117 2013
Location: Blue Scheme - Body of the Chair



MANUFACTURER:

Momentum Textiles & Wallcovering

800-366-6839

REPRESENTATIVE:

Jean Hall

404-964-0229

jhall@momtex.com

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-357.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

Spec ID: SP-356.2A
Color Name: Forest
Pattern Name: Hobnob 2018
Content: 51% Recycled Polyester, 49% Polyester
Finish: Crypton Green
Backing: None
Flame Rtg: CA Bulletin 117-2013
Abrasion: 87,000 D.R.
Location: Taupe Scheme - Chair Surround



MANUFACTURER:
Momentum Textiles & Wallcovering

800-366-6839

REPRESENTATIVE:
Jean Hall
404-964-0229
jhall@momtex.com

Spec ID: SP-356.2B
Color Name: Zebra
Pattern Name: Hobnob 2018
Finish: Crypton Green
Backing: None
Flame Rtg: CA Bulletin 117 2013
Abrasion: 87,000 Double Rubs
Location: Taupe Scheme - Body of the Chair

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-357.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
http://www.arkansaslighting.com

REP FIRM:

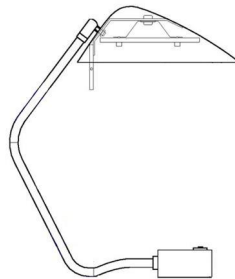
Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SG-401.1
DESCRIPTION: Desk Lamp
MODEL NO: 6691E2O2U-LED-ABB
DIMENSIONS: 17"L x 11-3/8"W x 20"H

CORD: Silver; 8'L; 45 Degree Angle Offset Cord
FINISH: Metal stem, shade and base
LAMPING: Integrated LED (included), 13W, 3000K, 90 CRI
SWITCH: "On/Off Rocker switch"
OUTLETS: (2) USB ports and (2) grounded convenience outlets located on top of base

DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

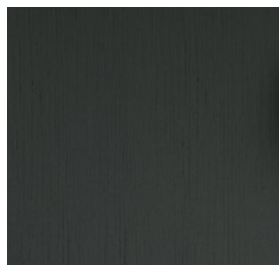
NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-401.1

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. All light fixtures must be U.L. approved and bear the U.L. label.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Quantity to be verified prior to order.

FINISHES:



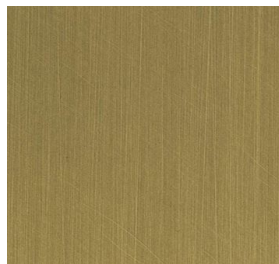
MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SG-MT01
Category: Metal Finish
Color Name: Chemetal #908 Satin Black Aluminum
Location: Blue and Taupe Schemes



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SG-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-401.1

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

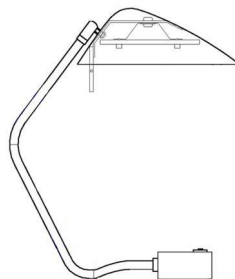
TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SG-401.2
DESCRIPTION: Desk Lamp
MODEL NO: Custom
DIMENSIONS: 17"L x 12"W x 20"H
ITEM: Task lamp with metal shade and angled wire frame base.
CORD: Silver; 8'L
FINISH: Metal stem, shade and base
LAMPING: Integrated LED (included), 10W, 3000K, 90 CRI
SWITCH: On/Off Rocker Switch
OUTLETS: (2) USB ports and (2) grounded convenience outlets located on top of base.
DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

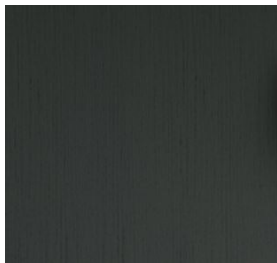
NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-401.2

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All light fixtures must be U.L. approved and bear the U.L. label.
5. All materials and methods of construction must comply with all local fire & life safety codes.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SG-MT01

Category:

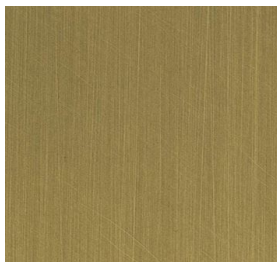
Metal Finish

Color Name:

Chemetal #908 Satin Black Aluminum

Location:

Blue and Taupe Schemes



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SG-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SG-401.2

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

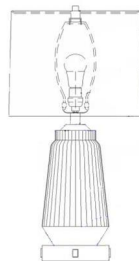
E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
http://www.arkansaslighting.com

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SG-403.1
DESCRIPTION: End Table Lamp
MODEL NO: Blue Scheme: 6661EO2U-TS; Taupe Scheme: 6661EO2U-EP
DIMENSIONS: Overall: 15-1/2" Diameter x 24" H
Shade: 14" Diameter (Top) x 15-1/2" Diameter (Bottom)
ITEM: End table lamp with ceramic base and tapered drum shade
CORD: Silver; 8'L; 45 Degree Angle Offset Cord
FINISH: Base - Metal; Body - Ceramic; Shade - Linen
LAMPING: E36 11W LED, 3000K, minimum 83 CRI
SWITCH: On/Off Rocker switch
OUTLETS: (2) USB ports and (1) grounded convenience outlets located on side of base.
DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-403.1

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Lamping not included with fixture - must be purchased separately.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SG-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P01
Category: Ceramic Finish
Color Name: #6229 Tempe Star
Location: Blue Scheme

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-403.1

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

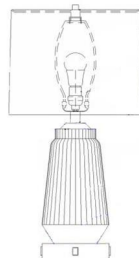
TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SG-403.2
DESCRIPTION: End Table Lamp
MODEL NO: Custom
DIMENSIONS: Overall: 14" Diameter x 26" H
Shade: 13-1/5" Diameter (Top) x 14" Diameter (Bottom)
ITEM: End table lamp with ceramic base and drum shade
CORD: Silver; 8'L
FINISH: Base - Metal; Body - Ceramic; Shade - Linen
LAMPING: E26 11W LED, 3000K, minimum 83 CRI
SWITCH: On/Off Rocker switch
OUTLETS: (2) USB ports and (1) grounded convenience outlets located on side of base.
DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-403.2

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Lamping not included with fixture - must be purchased separately.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SG-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P01
Category: Ceramic Finish
Color Name: #6229 Tempe Star
Location: Blue Scheme

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-403.2

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

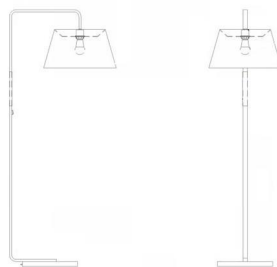
E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
http://www.arkansaslighting.com

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SG-404.1
DESCRIPTION: Floor Lamp
MODEL NO: 6663FKD-ABB
DIMENSIONS: Overall: 25" Diameter x 60" H
Shade: 12" Diameter (Top) x 17" Diameter (Bottom)
ITEM: Floor lamp with metal base and tapered drum shade
CORD: Silver; 8'L; 45 Degree Angle Offset Cord
FINISH: "Base - Metal; Body - Metal; Shade - Linen"
LAMPING: E26 11W LED, 3000K, minimum 83 CRI
SWITCH: On/Off Rocker switch
DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-404.1

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Lamping not included with fixture - must be purchased separately.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SG-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SG-404.1

COLORWAY: Blue Scheme, Taupe Scheme

AREA: Guest Room Areas

MANUFACTURER:

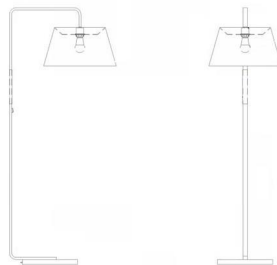
TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SG-404.2
DESCRIPTION: Floor Lamp
MODEL NO: Custom
DIMENSIONS: Overall: 25" Diameter x 60" H
Shade: 12" Diameter (Top) x 17" Diameter (Bottom)
CORD: Silver; 8'L with 90 Degree Plug with 45 Degree Offset
FINISH: "Base - Metal; Body - Metal; Shade - Linen"
LAMPING: E26 17W LED, 3000K, minimum 83 CRI
SWITCH: On/Off Rocker switch
DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-404.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Lamping not included with fixture - must be purchased separately.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:	SG-MT02
Category:	Metal Finish
Color Name:	Chemetal #310 Antique Brushed Brass
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-404.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

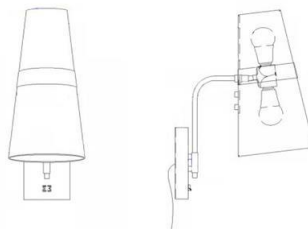
E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
http://www.arkansaslighting.com

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SG-405.1
DESCRIPTION: Headboard Sconce
MODEL NO: 6665S-ABB
DIMENSIONS: Backplate: 4-3/8" W x 6-1/2" H
Shade: 4" Diameter (Top) x 7-1/2" Diameter (Bottom)
Projection: 13-1/2"
ITEM: Headboard sconce with metal trim detail
CORD: Plug-in cord out back of fixture, 8'-0" Long; 45 degree angle offset cord
FINISH: Base - Metal; Body - Metal; Shade - Linen
INSTALLATION: Mount directly to headboard at provided cut out
LAMPING: (2) E26 10W LED, 3000K, minimum 83 CRI
SWITCH: On/Off Rocker switch
DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-405.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Lamping not included with fixture - must be purchased separately.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SG-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SG-405.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

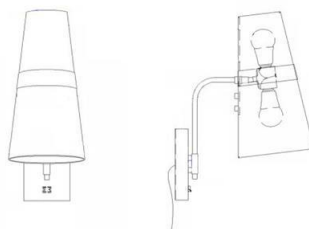
TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SG-405.2
DESCRIPTION: Headboard Sconce
MODEL NO: Custom
DIMENSIONS: Backplate: 4-1/5" W x 7" H
Shade: 4" Diameter (Top) x 7-1/2" Diameter (Bottom)
Projection: 13-1/2"
ITEM: Headboard sconce with metal trim detail
CORD: Silver; 8'L
FINISH: Base - Metal; Body - Metal; Shade - Linen
INSTALLATION: Mount directly to headboard at provided cut out.
LAMPING: (2) E26 10W LED, 3000K, minimum 83 CRI
SWITCH: On/Off Rocker switch
DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-405.2

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Lamping not included with fixture - must be purchased separately.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SG-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SG-405.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

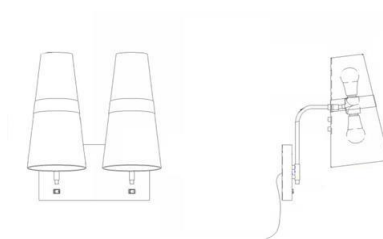
E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
http://www.arkansaslighting.com

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SG-406.1
DESCRIPTION: Double Headboard Sconce
MODEL NO: 6665D-ABB
DIMENSIONS: Backplate: 11" W x 6-3/4" H
Shade: 4" Diameter (Top) x 7-1/2" Diameter (Bottom)
Projection: 13-1/2"
ITEM: Double headboard sconce with metal trim detail
CORD: Plug-in cord out back of fixture, 8'-0" Long; 45 degree angle offset cord
FINISH: Base - Metal; Body - Metal; Shade - Linen
INSTALLATION: Mount directly to headboard at provided cut out
LAMPING: (4) E26 10W LED, 3000K, minimum 83 CRI
SWITCH: On/Off Rocker switch
DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-406.1

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Lamping not included with fixture - must be purchased separately.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SG-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SG-406.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

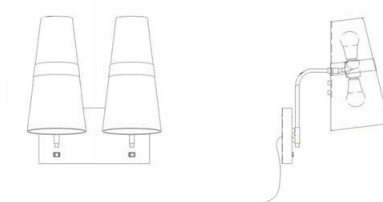
TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SG-406.2
DESCRIPTION: Double Headboard Sconce
MODEL NO: Custom
DIMENSIONS: Backplate: 14" W x 7" H
Shade: 4" Diameter (Top) x 7-1/2" Diameter (Bottom)
Projection: 13-1/2"
ITEM: Double headboard sconce with metal trim detail
CORD: Plug-in cord out back of fixture, 8'-0" Long; 45 degree angle offset cord
FINISH: Base - Metal; Body - Metal; Shade - Linen
INSTALLATION: Mount directly to headboard at provided cut out.
LAMPING: (4) E26 10W LED, 3000K, minimum 83 CRI
SWITCH: On/Off Rocker switch
DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-406.2

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Lamping not included with fixture - must be purchased separately.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SG-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SG-406.2

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
http://www.arkansaslighting.com

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SG-409.1

DESCRIPTION: Dual Pendant Fixture

MODEL NO: 4178P-2

DIMENSIONS: Mounting Plate: 36" W x 5" L x 1" H
Shade: 3-1/2" Diameter (Top) x 12" Diameter (Bottom)
Overall Height: 30-3/4"

FINISH: plate - Metal; Cord - Braided Nylon; Shade - metal

LAMPING: (2) E26 11W LED, 3000K, minimum 83 CRI

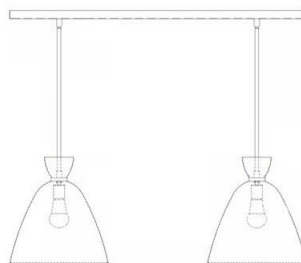
MOUNTING HT: Fixture to be mounted 66" minimum AFF to bottom of fixture. Adjust height of cord as needed.

SWITCH: Fixture to be switched at wall

WIRING: Hardwired

DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SG-409.1

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Fixture to be hardwired and installed by General Contractor.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SG-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Blue and Taupe Schemes

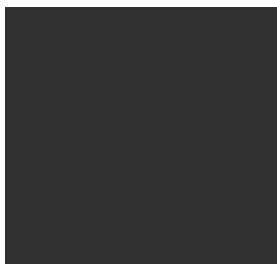


MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P03
Category: Shade Finish - Top
Color Name: #7066 Gray Matters
Location: Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P04

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-409.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

Category: Shade Finish - Bottom
Color Name: #6991 Black Magic
Location: Blue and Taupe Schemes



MANUFACTURER:
Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SG-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-409.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

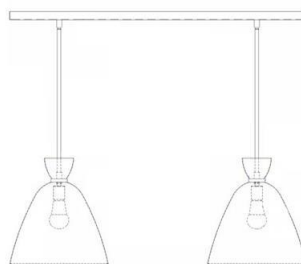
TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO:	SG-409.2
DESCRIPTION:	Dual Pendant Fixture
MODEL NO:	Custom
DIMENSIONS:	Mounting Plate: 36" W x 5" L x 1" H Shade: 3-1/2" Diameter (Top) x 12" Diameter (Bottom) Overall Height: 30-3/4"
ITEM:	Suspended pendants with wood look canopy and metal shades
FINISH:	Plate - Metal; Cord - Braided Nylon; Shade - metal
LAMPING:	(2) E26 11W LED, 3000K, minimum 83 CRI
MOUNTING HT:	Fixture to be mounted 66" minimum AFF to bottom of fixture. Adjust height of cord as needed.
SHADE FINISH:	Top: Color match to SG-P03; Bottom: Color to match SG-P04
SWITCH:	Fixture to be switched at wall
WIRING:	Hardwired
DIMMABLE:	No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-409.2

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Fixture to be hardwired and installed by General Contractor.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SG-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P03
Category: Shade Finish - Top
Color Name: #7066 Gray Matters
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-409.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SG-P04
Category: Shade Finish - Bottom
Color Name: #6991 Black Magic
Location: Blue and Taupe Schemes



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SG-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SG-409.2

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

ELECTRIC MIRROR
Mark Eckroth
P 425-776-4946 ext. 1036
F 425-491-8200
E m.eckroth@electricmirror.com
6101 Associated Blvd.
Suite 101
Everett, WA 98203
www.electricmirror.com

REP FIRM:

Design Spec Inc.
Lisa & Marty Waschak
1576 Raper Mountain Road
Clarksville, GA 30523
PH: 404-861-8608 (Lisa)
PH: 770-605-3897 (Marty)
designspec@bellsouth.net

SPEC NO: SG-442.1
DESCRIPTION: Front Lit-Mirror at Vanity
MODEL NO: VAL1.1-42.00X36.00-LHO-OS-30K
DIMENSIONS: Overall: 42"W x 36"H x 1.83"D; Mirror: 37"W X 31"H
INSTALLATION: Mount directly to wall
FINISH: Clear Mirror with frosted inlay

IMPORTANT: Substitutions of manufacturer or any deviations from this specification may result in a change to the IHG contracted pricing and/or lead times.
LAMPING: Non-Dimmable LED strip, 3000K (included), 120V, Minimum CRI 90
MOUNTING HT: Top: 6'-6" AFF (Minimum)
SWITCH: Switched at wall
WIRING: Plug-in with right angle flat plug (included)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-442.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



2. Quantity to be verified prior to order.
3. Reference drawings for location.
4. Installation to be per manufacturer instructions.
5. Fixture is plug-in, no electrician required.
6. For ADA rooms, refer to SG-808.1(ADA) for front-lit mirror specification.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-442.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

MAJESTIC MIRROR
Adam Jaffe
P 305-827-2661 x-106 (Toll Free) / P 888-591-9505
F 305-827-2663
E adam@majesticmirror.com
7425 NW 79th Street
Miami, FL 33166
www.majesticmirror.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO: SG-442.2

DESCRIPTION: Front Lit-Mirror at Vanity

MODEL NO: Strand 42 x 36

DIMENSIONS: Overall: 42"W x 36"H x 2 1/8"D; Mirror: 37"W X 31 1/8"H

INSTALLATION: Mount directly to wall

FINISH: Clear Mirror with frosted inlay

IMPORTANT: Substitutions of manufacturer or any deviations from this specification may result in a change to the IHG contracted pricing and/or lead times.

LAMPING: Non-Dimmable Premium Gen 2 LED strip, 3000K (included), 120V, Minimum CRI 85

MOUNTING HT: Top: 6'-6" AFF (Minimum)

SWITCH: Switched at wall

WIRING: Plug-in with right angle flat plug (included)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-442.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



1. Product to be of contract quality and suitable for commercial use.
2. Quantity to be verified prior to order.
3. Reference drawings for location.
4. Installation to be per manufacturer instructions.
5. Fixture is plug-in, no electrician required.
6. For ADA rooms, refer to SG-808.2 (ADA) for front-lit mirror specification.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-442.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

ELECTRIC MIRROR
Mark Eckroth
P 425-776-4946 ext. 1036
F 425-491-8200
E m.eckroth@electricmirror.com
6101 Associated Blvd.
Suite 101
Everett, WA 98203
www.electricmirror.com

REP FIRM:

Design Spec Inc.
Lisa & Marty Waschak
1576 Raper Mountain Road
Clarksville, GA 30523
PH: 404-861-8608 (Lisa)
PH: 770-605-3897 (Marty)
designspec@bellsouth.net

SPEC NO:	SG-443.1
DESCRIPTION:	Front Lit-Mirror at Vanity - ADA
MODEL NO:	CAN1.1-42.00X42.00-LHO-OS-30K
DIMENSIONS:	Overall: 42"W x 42"H x 1.85"D; Mirror: 34"W X 42"H
INSTALLATION:	Mount directly to wall
FINISH:	Clear Mirror with frosted inlay
IMPORTANT:	Substitutions of manufacturer or any deviations from this specification may result in a change to the IHG contracted pricing and/or lead times.
LAMPING:	Non-Dimmable LED strip, 3000K (included), 120V, Minimum CRI 90
MOUNTING HT:	Bottom edge of the reflecting surface 40" AFF (Maximum)
SWITCH:	Switched at wall
WIRING:	Plug-in with right angle flat plug (included)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-443.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



2. Quantity to be verified prior to order.
3. Reference drawings for location.
4. Installation to be per manufacturer instructions.
5. Fixture is plug-in, no electrician required.
6. For standard rooms, refer to SG-808.1 for front-lit mirror specification.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-443.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

MAJESTIC MIRROR
Adam Jaffe
P 305-827-2661 x-106 (Toll Free) / P 888-591-9505
F 305-827-2663
E adam@majesticmirror.com
7425 NW 79th Street
Miami, FL 33166
www.majesticmirror.com

REP FIRM:

Klem Group
Eric Klem
70-C Lenox Pointe. Atlanta, GA
30324
PH: 404-389-0900 (o)
PH: 678-429-7910 (c)
F: 404-389-0900 (o)
eric@klemgroup.com

SPEC NO:	SG-443.2
DESCRIPTION:	Front Lit-Mirror at Vanity - ADA
MODEL NO:	Argyle 42 x 42
DIMENSIONS:	Overall: 42"W x 42"H x 1 7/8"D; Mirror: 33 7/8"W X 42"H
INSTALLATION:	Mount directly to wall
FINISH:	Clear Mirror with frosted inlay
IMPORTANT:	Substitutions of manufacturer or any deviations from this specification may result in a change to the IHG contracted pricing and/or lead times.
LAMPING:	Non-Dimmable Premium Gen 2 LED strip, 3000K (included), 120V, Minimum CRI 85
MOUNTING HT:	Bottom edge of the reflecting surface 40" AFF (Maximum)
SWITCH:	Switched at wall
WIRING:	Plug-in with right angle flat plug (included)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-443.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346



1. Product to be of contract quality and suitable for commercial use.
2. Quantity to be verified prior to order.
3. Reference drawings for location.
4. Installation to be per manufacturer instructions.
5. Fixture is plug-in, no electrician required.
6. For standard rooms, refer to SG-808.2 for front-lit mirror specification.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	2	SG-443.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas: Kitchen , Living Room

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
http://www.arkansaslighting.com

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SG-450.1
DESCRIPTION: Ceiling Light -at Kitchen and Living Room for Renovation
MODEL NO: 4245C-LED
DIMENSIONS: 16"DIA x 4"H

FINISH: Outer Shade: Metal, Inner Shade: Acrylic
LAMPING: Integrated LED (included)
SHADE FINISH: Matte Opal Acrylic
SWITCH: Fixture to be switched at wall
WIRING: Hardwired
DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

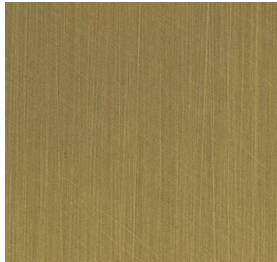
NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-450.1

3. All materials and methods of construction must comply with all local fire & life safety codes.
4. Quantity to be verified prior to order.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Fixture to be hardwired and installed by General Contractor.

FINISHES:



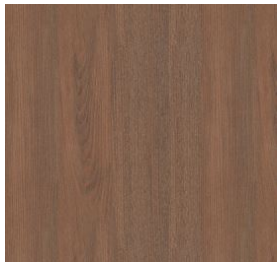
MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SG-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Blue and Taupe Schemes



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SG-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-450.1

COLORWAY:

AREA: Guest Room Areas: Kitchen , Living Room

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SG-450.2
DESCRIPTION: Ceiling Light -at Living Room for Renovation
MODEL NO: 4245C-LED
DIMENSIONS: 16"DIA x 4"H

FINISH: Outer Shade: Metal, Inner Shade: Acrylic
LAMPING: Integrated LED (included)
SWITCH: Fixture to be switched at wall hardwired
WIRING: Hardwired
DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-450.2

4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Fixture to be hardwired and installed by General Contractor.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SG-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Blue and Taupe Schemes



MANUFACTURER:

Formica
10155 Reading Road
Cincinnati, OH 45241
800-367-6422
www.formica.com

REPRESENTATIVE:

Spec ID: SG-PL01
Category: Finish
Color Name: #6452 Smoke Ash
Finish: Matte
Location: Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	3/15/2021	1	SG-450.2

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
http://www.arkansaslighting.com

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SG-451.1
DESCRIPTION: Hardwired Wall Sconce -at Dining Area for Renovation
MODEL NO: 6966S
DIMENSIONS: 7.75"W x 4"D x 16"H

FINISH: Wall Plate: Metal; Shade: Linen
LAMPING: (2) E26 8.5W LED, 3000K, minimum 83 CRI
MOUNTING HT: Varies by Property, refer to drawings for existing J-Box location.
SWITCH: Fixture to be switched at wall.
WIRING: Hardwired
DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	3/15/2021	1	SG-451.1

Brand Design

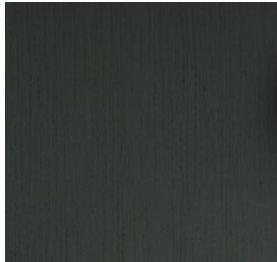
Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Fixture to be hardwired and installed by General Contractor.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SG-MT01

Category:

Metal Finish

Color Name:

Chemetal #908 Satin Black Aluminum

Location:

Blue and Taupe Schemes

ISSUE DATE:

6/15/2020

REVISION DATE:

3/15/2021

REV. NO:

1

SPEC NO:

SG-451.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SG-451.2
DESCRIPTION: Hardwired Wall Sconce -at Dining Area for Renovation
MODEL NO: Custom
DIMENSIONS: 7.75"W x 4"D x 16"H

FINISH: Wall Plate: Metal; Shade: Linen
LAMPING: (2) E26 8.5W LED, 3000K, minimum 83 CRI
SWITCH: Fixture to be switched at wall.
WIRING: Hardwired
DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	3/15/2021	1	SG-451.2

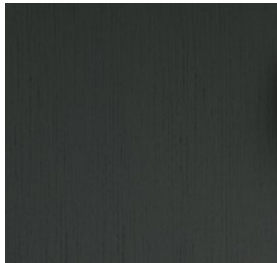
Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

InterContinental Hotels Group
Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Fixture to be hardwired and installed by General Contractor.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:	SG-MT01
Category:	Metal Finish
Color Name:	Chemetal #908 Satin Black Aluminum
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	3/15/2021	1	SG-451.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
http://www.arkansaslighting.com

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SG-452.1
DESCRIPTION: Ceiling Light -at Bathroom for Renovation
MODEL NO: 4348C-11
DIMENSIONS: 11"DIA x 4"H

FINISH: Outer Ring: Metal, Shade: Acrylic
LAMPING: (2) E26 8.5W LED, 3000K, minimum 83 CRI
SWITCH: Fixture to be switched at wall.
WIRING: Hardwired
DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.

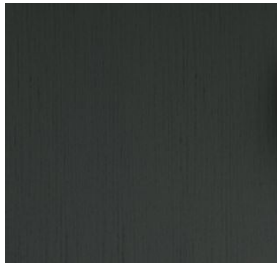
ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	3/15/2021	1	SG-452.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Guestrooms

4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Fixture to be hardwired and installed by General Contractor.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:	SG-MT01
Category:	Metal Finish
Color Name:	Chemetal #908 Satin Black Aluminum
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	3/15/2021	1	SG-452.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Guest Room Areas

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SG-452.2
DESCRIPTION: Ceiling Light -at Bathroom for Renovation
MODEL NO: Custom
DIMENSIONS: 11"DIA x 4"H

FINISH: Outer Ring: Metal, Shade: Acrylic
LAMPING: (2) E26 8.5W LED, 3000K, minimum 83 CRI
SWITCH: Fixture to be switched at wall.
WIRING: Hardwired
DIMMABLE: No

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

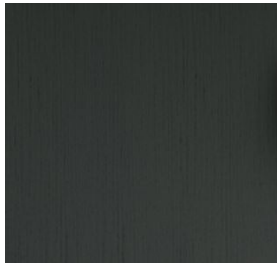
NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	3/15/2021	1	SG-452.2

4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Fixture to be hardwired and installed by General Contractor.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:	SG-MT01
Category:	Metal Finish
Color Name:	Chemetal #908 Satin Black Aluminum
Location:	Blue and Taupe Schemes

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	3/15/2021	1	SG-452.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
<http://www.arkansaslighting.com>

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-400.1.1
DESCRIPTION: Dome Pendant
MODEL NO: Custom
DIMENSIONS: 28" Dia. x 54"H (Adjustable), Shade Height 16"

CORD: Adjustable, Black nylon wrapped
LAMPING: (3) 11-watt, E26 base, self-ballasted, LED, 1100 lumen minimum, 3000 Kelvin, 90 CRI, 120v, Dimmable
SHADE FINISH: Outside Shade: Black, woven outer dome with 1/4" cane webbing, Interior Shade: Opal acrylic shade to hide bulb

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Fixture to be hardwired/installed by General Contractor.
4. All mounting hardware to be included with fixture.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-400.1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Frame - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-400.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-400.1.2

DESCRIPTION: Dome Pendant

MODEL NO: Custom

DIMENSIONS: 28" Dia. x 54"H (Adjustable), Shade Height 16"

CORD: Adjustable, Black nylon wrapped

LAMPING: (3) 11-watt, E26 base, self-ballasted, LED, 1100 lumen minimum, 3000 Kelvin, 90 CRI, 120v, Dimmable

SHADE FINISH: Outside Shade: Black, woven outer dome with 1/4" cane webbing, Interior Shade: Linen shade to hide bulb

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Fixture to be hardwired/installed by General Contractor.
4. All mounting hardware to be included with fixture.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-400.1.2



Brand Design

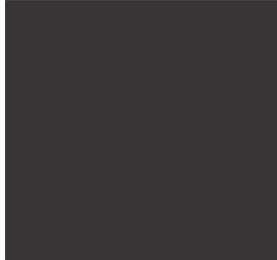
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Frame - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-400.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

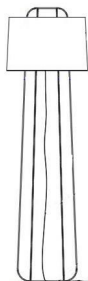
E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
http://www.arkansaslighting.com

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-401.1.1
DESCRIPTION: Wire-Frame Floor Lamp
MODEL NO: Custom
DIMENSIONS: 14" Dia. x 72" H, Base Frame: 15-3/4" Dia., Top Frame: 11" Dia.
CORD: Manufacturer to provide 8'-0" long exposed, clear silver cord with two-prong polarized plug
FINISH / COLOR: Frame: Powdercoated to match SP-P01
LAMPING: (1) 27-watt, E26 base, self-ballasted, spring CFL; 1500 lumen minimum, 3100 Kelvin, 90 CRI
SHADE FINISH: White Linen
SHADE SIZE: Bottom: 21-1/2" Dia., Top: 20" Dia.
SWITCH: On/Off push-through switch at socket

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-401.1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. Base to be weighted appropriately to prevent tipping (must pass UL tilt test).
4. Substitutions of manufacturer are not permitted without prior written approval by IHG.
5. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:

**MANUFACTURER:**

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Frame - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-401.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-401.1.2

DESCRIPTION: Wire-Frame Floor Lamp

MODEL NO: Custom

DIMENSIONS: 14" Dia. x 72" H, Base Frame: 15-3/4" Dia., Top Frame: 11" Dia.

CORD: Manufacturer to provide 8'-0" long exposed, clear silver cord with two-prong polarized plug

FINISH / COLOR: Frame: Powdercoated to match SP-P01

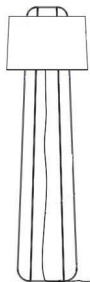
LAMPING: (1) 27-watt, E26 base, self-ballasted, spring CFL; 1500 lumen minimum, 3100 Kelvin, 90 CRI

SHADE FINISH: White Linen

SHADE SIZE: Bottom: 16" Dia., Top: 19" Dia.

SWITCH: On/Off push-though switch at socket

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Base to be weighted appropriately to prevent tipping (must pass UL tilt test).

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-401.1.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Substitutions of manufacturer are not permitted without prior written approval by IHG.
5. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:

**MANUFACTURER:**

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Frame - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-401.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

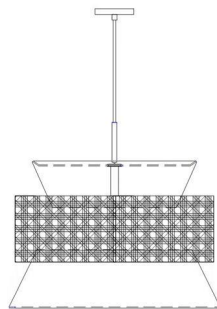
E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
http://www.arkansaslighting.com

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO:	SP-402.1.1
DESCRIPTION:	Pendant at Game Table
MODEL NO:	Custom
DIMENSIONS:	26-7/8" Dia. x 72" H (Adjustable), Shade Height 19"
CORD:	Adjustable; 72" max
FINISH/COLOR:	White frosted acrylic diffuser, Matte black powdercoated steel cord wrap at top of shade and mount, Black nylon wrapped cord
LAMPING:	(4) 24-watt, E26 base, self-ballasted, LED; 1100 lumen minimum, 3000 Kelvin, 90 CRI, Dimmable
SHADE FINISH:	Bottom Shade; refer to colorway finish below; Center Shade. Black Rattan. Top Shade; White

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Fixture to be hardwired/installed by General Contractor.
4. All mounting hardware to be included with fixture.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-402.1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Substitutions of manufacturer are not permitted without prior written approval by IHG.
6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:

**MANUFACTURER:**

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P02
Category: Finish
Color Name: #9141 Waterloo
Location: Shade - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-402.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas

MANUFACTURER:

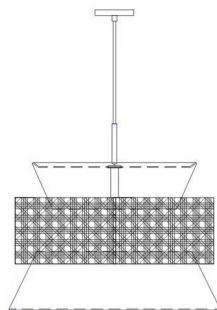
TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO:	SP-402.1.2
DESCRIPTION:	Pendant at Game Table
MODEL NO:	Custom
DIMENSIONS:	26-7/8" Dia. x 72" H (Adjustable), Shade Height 19"
CORD:	Adjustable; 72" max
FINISH/COLOR:	White frosted acrylic diffuser, Matte black powdercoated steel cord wrap at top of shade and mount, Black nylon wrapped cord
LAMPING:	(4) 24-watt, E26 base, self-ballasted, LED; 1100 lumen minimum, 3000 Kelvin, 90 CRI, Dimmable
SHADE FINISH:	Bottom Shade; refer to colorway finish below; Center Shade. Black Rattan. Top Shade; White

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Fixture to be hardwired/installed by General Contractor.
4. All mounting hardware to be included with fixture.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-402.1.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Substitutions of manufacturer are not permitted without prior written approval by IHG.
6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:

**MANUFACTURER:**

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P02
Category: Finish
Color Name: #9141 Waterloo
Location: Shade - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-402.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
http://www.arkansaslighting.com

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-403.1.1

DESCRIPTION: Business Center Table Lamp with Drum Shade

MODEL NO: Custom

DIMENSIONS: 12" Dia. x 16" H

CORD: 10' long, silver cord

FINISH / COLOR: Base and Finial: Powdercoated to match SP-MT02, Stem and Shade: Powdercoated to match SP-P01

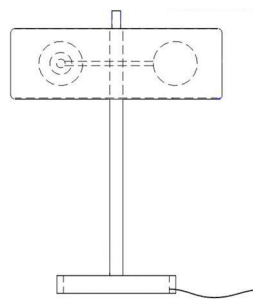
LAMPING: 18W CFL or 10W LED Bulb; 3000 Kelvin, Minimum 90 CRI, 120v, Socket: (2) E26

SHADE FINISH: Exterior: Powdercoated to match SP-P01, Interior: Powdercoated to match SP-MT02

SHADE SIZE: 15" Dia. x 4" H

SWITCH: Black, On/Off rocker switch at base

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-403.1.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. Base to be weighted appropriately to prevent tipping (must pass UL tilt test).
4. Substitutions of manufacturer are not permitted without prior written approval by IHG.
5. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Base, Finial, and Interior of Shade - Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Stem and Exterior of Shade - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-403.1.1

COLORWAY:

AREA: Public Areas

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-403.1.2

DESCRIPTION: Business Center Table Lamp with Drum Shade

MODEL NO: Custom

DIMENSIONS: 12" Dia. x 16" H

CORD: 10' long, silver cord

FINISH / COLOR: Base and Finial: Powdercoated to match SP-MT02, Stem and Shade: Powdercoated to match SP-P01

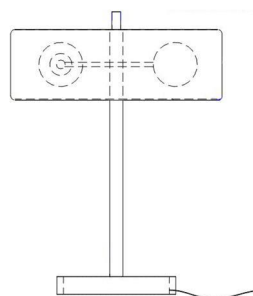
LAMPING: 18W CFL or 10W LED Bulb; 3000 Kelvin, Minimum 90 CRI, 120v, Socket: (2) E26

SHADE FINISH: Exterior: Powdercoated to match SP-P01, Interior: Powdercoated to match SP-MT02

SHADE SIZE: 15" Dia. x 4" H

SWITCH: Black, On/Off rocker switch at base

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-403.1.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. Base to be weighted appropriately to prevent tipping (must pass UL tilt test).
4. Substitutions of manufacturer are not permitted without prior written approval by IHG.
5. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Base, Finial, and Interior of Shade - Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Stem and Exterior of Shade - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-403.1.2

COLORWAY:

AREA: Public Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
<http://www.arkansaslighting.com>

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-404.1.1

DESCRIPTION: Ceramic Table Lamp

MODEL NO: Custom

DIMENSIONS: 18" Dia. x 26" H

CORD: Manufacturer to provide 8'-0" long, exposed clear, silver cord with two-prong polarized plug

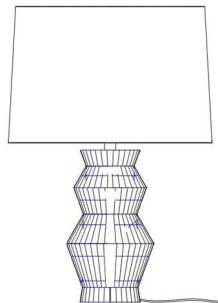
FINISH/COLOR: Refer to colorway finishes below

LAMPING: (1) 17-watt LED, E26 base, self-ballasted, spring CFL; 1500 lumen minimum, 3100 minimum Kelvin

SHADE FINISH: Off-White Linen with rolled edges

SWITCH: On/Off push-through switch at socket

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Base to be weighted appropriately to prevent tipping (must pass UL tilt test).

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-404.1.1

Brand Design

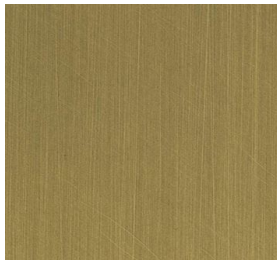
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Substitutions of manufacturer are not permitted without prior written approval by IHG.
5. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Base - Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID:

SP-P04

Category:

Finish

Color Name:

#9139 Debonair

Location:

Body - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-404.1.1

COLORWAY:

AREA: Public Areas

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-404.1.2

DESCRIPTION: Ceramic Table Lamp

MODEL NO: Custom

DIMENSIONS: 18" Dia. x 26" H

CORD: Manufacturer to provide 8'-0" long, exposed clear, silver cord with two-prong polarized plug

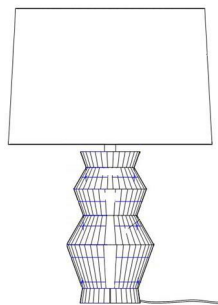
FINISH/COLOR: Refer to colorway finishes below

LAMPING: (1) 17-watt LED, E26 base, self-ballasted, spring CFL; 1500 lumen minimum, 3100 minimum Kelvin

SHADE FINISH: Off-White Linen with rolled edges

SWITCH: On/Off push-though switch at socket

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Base to be weighted appropriately to prevent tipping (must pass UL tilt test).
4. Substitutions of manufacturer are not permitted without prior written approval by IHG.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-404.1.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Base - Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P04
Category: Finish
Color Name: #9139 Debonair
Location: Body - Blue Scheme

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-404.1.2

COLORWAY:

AREA: Public Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
<http://www.arkansaslighting.com>

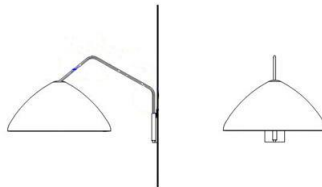
REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-405.1.1
DESCRIPTION: Hardwired Wall Sconce with Fixed Arms (no articulation or rotation)
MODEL NO: Custom
DIMENSIONS: 18" Projection x 12" W x 10-1/2" H; Shade height 6"

FINISH / COLOR: Arms: Powdercoated to match SP-MT02
LAMPING: (1) 10-watt LED, 120 V, 1100 lumen minimum, 3000 Kelvin, 90 CRI
SHADE FINISH: Exterior: Powdercoated metal to match SP-P01, Interior: Powdercoated to match SP-MT02

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. All mounting hardware to be included with fixture.
4. Fixture to be hardwired/installed by General Contractor.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-405.1.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Arms and Interior of Shade - Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID:

SP-P01

Category:

Finish

Color Name:

#9175 Deep Forest Brown

Location:

Exterior of Shade - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-405.1.1

COLORWAY:

AREA: Public Areas

MANUFACTURER:

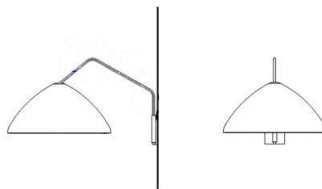
TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO:	SP-405.1.2
DESCRIPTION:	Hardwired Wall Sconce with Fixed Arms (no articulation or rotation)
MODEL NO:	Custom
DIMENSIONS:	18" Projection x 12" W x 10-1/2" H; Shade height 6"
FINISH / COLOR:	Arms: Powdercoated to match SP-MT02
LAMPING:	(1) 10-watt LED, 120 V, 1100 lumen minimum, 3000 Kelvin, 90 CRI
SHADE FINISH:	Exterior: Powdercoated metal to match SP-P01, Interior: Powdercoated to match SP-MT02

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. All mounting hardware to be included with fixture.
4. Fixture to be hardwired/installed by General Contractor.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.
6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-405.1.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Arms and Interior of Shade - Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Exterior of Shade - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-405.1.2

COLORWAY:

AREA: Public Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
<http://www.arkansaslighting.com>

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-406.1A.1

DESCRIPTION: Pendant Light

MODEL NO: Custom

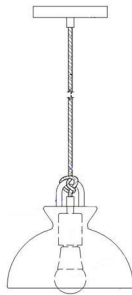
DIMENSIONS: 8-1/2" Dia. x 5-1/2" H (78" overall height maximum)

CORD: Adjustable; 78" max; Finish to be Black Nylon wrapped cord

LAMPING: (1) 10-watt LED, E26 Med. Base Socket, 3000 Kelvin, 92 CRI minimum, 120v, Dimmable

SHADE FINISH: Exterior: Matte Black Powdercoat; Interior: Powdercoat to match SP-MT02

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Cluster to be centered over SP-210.2 in Great Room.
2. Fixture to be hardwired/installed by General Contractor.
3. All mounting hardware to be included with fixture.
4. Product to be of contract quality and suitable for commercial use.
5. All light fixtures must be U.L. approved and bear the U.L. label.
6. Substitutions of manufacturer are not permitted without prior written approval by IHG.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-406.1A.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Interior of Shade - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-406.1A.1

COLORWAY:

AREA: Public Areas

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-406.1A.2

DESCRIPTION: Pendant Light

MODEL NO: Custom

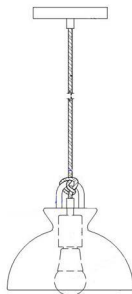
DIMENSIONS: 12-1/2" Dia. x 7-1/2" H (78" overall height maximum)

CORD: Adjustable; 78" max; Finish to be Black Nylon wrapped cord

LAMPING: (1) 10-watt LED, E26 Med. Base Socket, 3000 Kelvin, 92 CRI minimum, 120v, Dimmable

SHADE FINISH: Exterior: Matte Black Powdercoat; Interior: Powdercoat to match SP-MT02

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Cluster to be centered over SP-210.2 in Great Room.
2. Fixture to be hardwired/installed by General Contractor.
3. All mounting hardware to be included with fixture.
4. Product to be of contract quality and suitable for commercial use.
5. All light fixtures must be U.L. approved and bear the U.L. label.
6. Substitutions of manufacturer are not permitted without prior written approval by IHG.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-406.1A.2

Brand Design

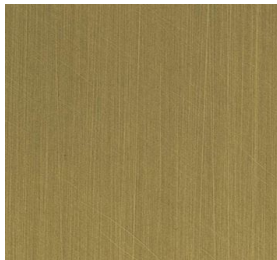
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Interior of Shade - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-406.1A.2

COLORWAY:

AREA: Public Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
<http://www.arkansaslighting.com>

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-406.1B.1

DESCRIPTION: Pendant Light

MODEL NO: Custom

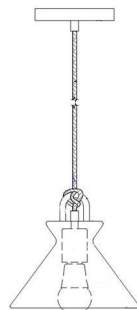
DIMENSIONS: 8" Dia. x 5-1/2" H (78" overall height maximum)

CORD: Adjustable; 78" max; Finish to be Black Nylon wrapped cord

LAMPING: (1) 10-watt LED, E26 Med. Base Socket, 3000 Kelvin, 92 CRI minimum, 120v, Dimmable

SHADE FINISH: Exterior: Matte Black Powdercoat; Interior: Powdercoat to match SP-MT02

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Cluster to be centered over SP-210.2 in Great Room.
3. Fixture to be hardwired/installed by General Contractor.
4. All mounting hardware to be included with fixture.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.
6. All light fixtures must be U.L. approved and bear the U.L. label.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-406.1B.1

Brand Design

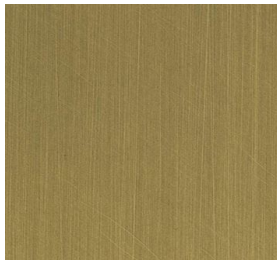
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Interior of Shade - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-406.1B.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-406.1B.2

DESCRIPTION: Pendant Light

MODEL NO: Custom

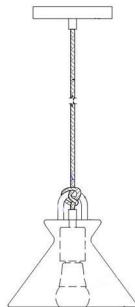
DIMENSIONS: 9" Dia. x 6-1/4" H (78" overall height maximum)

CORD: Adjustable; 78" max; Finish to be Black Nylon wrapped cord

LAMPING: (1) 10-watt LED, E26 Med. Base Socket, 3000 Kelvin, 92 CRI minimum, 120v, Dimmable

SHADE FINISH: Exterior: Matte Black Powdercoat; Interior: Powdercoat to match SP-MT02

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Cluster to be centered over SP-210.2 in Great Room.
3. Fixture to be hardwired/installed by General Contractor.
4. All mounting hardware to be included with fixture.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.
6. All light fixtures must be U.L. approved and bear the U.L. label.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-406.1B.2

Brand Design

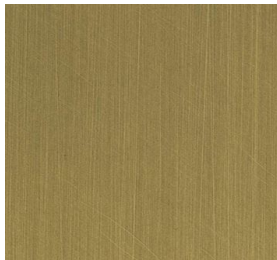
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Interior of Shade - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-406.1B.2

COLORWAY:

AREA: Public Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
<http://www.arkansaslighting.com>

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-406.1C.1

DESCRIPTION: Pendant Light

MODEL NO: Custom

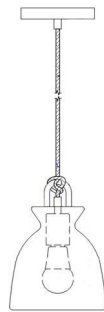
DIMENSIONS: 6-1/2" Dia. x 7" H (78" overall height maximum)

CORD: Adjustable; 78" max; Finish to be Black Nylon wrapped cord

LAMPING: (1) 10-watt LED, E26 Med. Base Socket, 3000 Kelvin, 92 CRI minimum, 120v, Dimmable

SHADE FINISH: Exterior: Matte Black Powdercoat; Interior: Powdercoat to match SP-MT02

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Cluster to be centered over SP-210.2 in Great Room.
4. Fixture to be hardwired/installed by General Contractor.
5. All mounting hardware to be included with fixture.
6. Substitutions of manufacturer are not permitted without prior written approval by IHG.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-406.1C.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Interior of Shade - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-406.1C.1

COLORWAY:

AREA: Public Areas

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-406.1C.2

DESCRIPTION: Pendant Light

MODEL NO: Custom

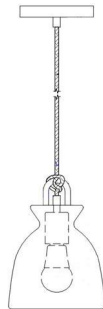
DIMENSIONS: 6-1/2" Dia. x 7" H (78" overall height maximum)

CORD: Adjustable; 78" max; Finish to be Black Nylon wrapped cord

LAMPING: (1) 10-watt LED, G9 Base Socket, 3000 Kelvin, 92 CRI minimum, 120v, Dimmable

SHADE FINISH: Exterior: Matte Black Powdercoat; Interior: Powdercoat to match SP-MT02

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Cluster to be centered over SP-210.2 in Great Room.
4. Fixture to be hardwired/installed by General Contractor.
5. All mounting hardware to be included with fixture.
6. Substitutions of manufacturer are not permitted without prior written approval by IHG.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-406.1C.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Interior of Shade - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-406.1C.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
<http://www.arkansaslighting.com>

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-407.1.1

DESCRIPTION: Chef's Table Chandelier

MODEL NO: Custom

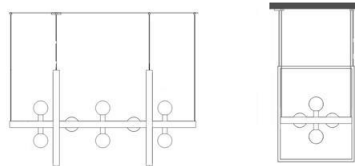
DIMENSIONS: 60" W x 24" D x 30" H; 48"H Overall

CORD: Adjustable; 60" max, Black nylon wrapped

FINISH/COLOR: Frame: Powdercoated to match SP-P01, Globe: Frosted acrylic

LAMPING: (10) 5-watt, E12 Socket, LED, Candelabra bulbs, 300 Kelvin, 90 CRI, 120v, Dimmable

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Fixture to be hardwired/installed by General Contractor.
4. All mounting hardware to be included with fixture.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-407.1.1

Brand Design

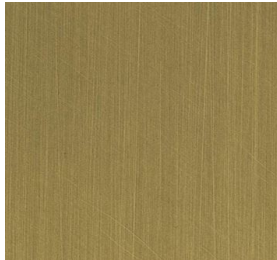
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID:

SP-P01

Category:

Finish

Color Name:

#9175 Deep Forest Brown

Location:

Frame - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-407.1.1

COLORWAY:

AREA: Public Areas

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-407.1.2

DESCRIPTION: Chef's Table Chandelier

MODEL NO: Custom

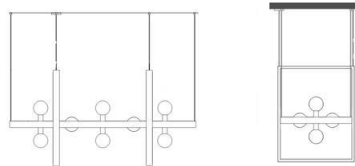
DIMENSIONS: 60" W x 24" D x 30" H; 48"H Overall

CORD: Adjustable; 60" max, Black nylon wrapped

FINISH/COLOR: Frame: Powdercoated to match SP-P01, Globe: Frosted acrylic

LAMPING: (10) 5-watt, E12 Socket, LED, Candelabra bulbs, 300 Kelvin, 90 CRI, 120v, Dimmable

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Fixture to be hardwired/installed by General Contractor.
4. All mounting hardware to be included with fixture.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.
6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-407.1.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Frame - Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-407.1.2

COLORWAY:

AREA: Public Areas: Storage

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

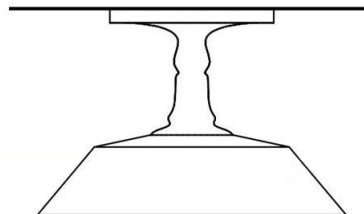
E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
http://www.arkansaslighting.com

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-408.1.1
DESCRIPTION: Semi-Flush Ceiling Mount - for Guest Storage Areas
MODEL NO: Custom
DIMENSIONS: 18" Dia. x 12" OH
FINISH/COLOR: Exterior: Powdercoated metal to match SP-P01, Interior: To match SP-MT02
LAMPING: (1) 12-watt LED, E26 base, self-ballasted, LED; 1100 lumen minimum, 3000 Kelvin, 92 CRI, Dimmable (confirm lamping with manufacturer)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Fixture to be hardwired/installed by General Contractor.
4. All mounting hardware to be included with fixture.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.
6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	2/28/2022	1	SP-408.1.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Interior - Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Exterior - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

2/28/2022

REV. NO:

1

SPEC NO:

SP-408.1.1

COLORWAY:

AREA: Public Areas

MANUFACTURER:

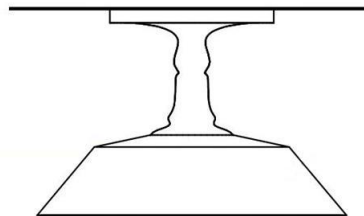
TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO:	SP-408.1.2
DESCRIPTION:	Semi-Flush Ceiling Mount
MODEL NO:	Custom
DIMENSIONS:	18" Dia. x 10-3/8" OH
FINISH/COLOR:	Exterior: Powdercoated metal to match SP-P01, Interior: To match SP-MT02
LAMPING:	(1) 12-watt LED, E26 base, self-ballasted, LED; 1100 lumen minimum, 3000 Kelvin, 92 CRI, Dimmable (confirm lamping with manufacturer)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Fixture to be hardwired/installed by General Contractor.
4. All mounting hardware to be included with fixture.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.
6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-408.1.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Interior - Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Exterior - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-408.1.2

COLORWAY:

AREA: Public Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
http://www.arkansaslighting.com

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-409.1.1

DESCRIPTION: Wire-Frame Table Lamp at Credenza

MODEL NO: Custom

DIMENSIONS: 16" Dia. x 24-1/2" H

CORD: Manufacturer to provide 8'-0" long, clear silver cord that comes to the bottom of the fixture

FINISH/COLOR: Exterior: Matte Black Powdercoat; Interior: Powdercoat to match SP-MT02

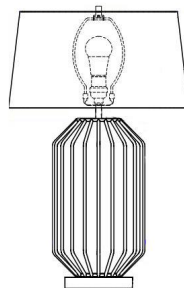
LAMPING: (1) 11-watt LED, E26, 3000K, 1100 Lumens, Min. 90 CRI, 120v

SHADE FINISH: White Linen with rolled edges

SHADE SIZE: Bottom Dia. 16", Top Dia. 14", 8-1/2" H

SWITCH: Push through switch at socket

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Base to be weighted appropriately to prevent tipping (must pass UL tilt test).

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-409.1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Substitutions of manufacturer are not permitted without prior written approval by IHG.
5. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:

**MANUFACTURER:**

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Frame Interior - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-409.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-409.1.2

DESCRIPTION: Wire-Frame Table Lamp at Credenza

MODEL NO: Custom

DIMENSIONS: 16" Dia. x 24-1/2" H

CORD: Manufacturer to provide 8'-0" long, clear silver cord that comes to the bottom of the fixture

FINISH/COLOR: Exterior: Matte Black Powdercoat; Interior: Powdercoat to match SP-MT02

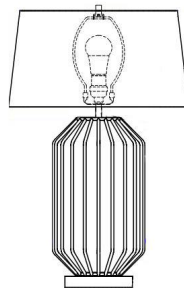
LAMPING: (1) 11-watt LED, E26, 3000K, 1100 Lumens, Min. 90 CRI, 120v

SHADE FINISH: White Linen with rolled edges

SHADE SIZE: Bottom Dia. 16", Top Dia. 14", 8-1/2" H

SWITCH: Push through switch at socket

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Base to be weighted appropriately to prevent tipping (must pass UL tilt test).
4. Substitutions of manufacturer are not permitted without prior written approval by IHG.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-409.1.2

Brand Design

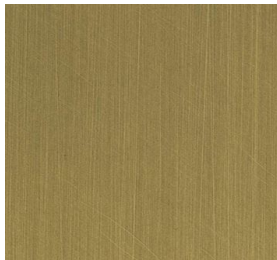
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Frame Interior - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-409.1.2

COLORWAY:

AREA: Public Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
<http://www.arkansaslighting.com>

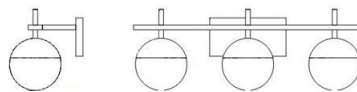
REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-410.1.1
DESCRIPTION: Public Restroom Vanity Sconce
MODEL NO: Custom
DIMENSIONS: 24" W x 9-1/2" H x 7-3/4" D

FINISH/COLOR: Backplate and Rail: Powdercoated to match SP-P01, Finial and Cap: Powdercoated to match SP-MT02, Globe: Opal Acrylic Lens
LAMPING: (3) 11-watt LED, 3000K, 1100 Lumens, Min 90 CRI, 120v

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Fixture to be hardwired/installed by General Contractor.
4. All mounting hardware to be included with fixture.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.
6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-410.1.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Finial and Cap - Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Backplate and Rail - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-410.1.1

COLORWAY:

AREA: Public Areas

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

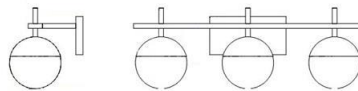
REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-410.1.2
DESCRIPTION: Public Restroom Vanity Sconce
MODEL NO: Custom
DIMENSIONS: 24" W x 9-1/2" H x 7-3/4" D

FINISH/COLOR: Backplate and Rail: Powdercoated to match SP-P01, Finial and Cap:
Powdercoated to match SP-MT02, Globe: Opal Acrylic Lens
LAMPING: (3) 11-watt LED, 3000K, 1100 Lumens, Min 90 CRI, 120v

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. Fixture to be hardwired/installed by General Contractor.
4. All mounting hardware to be included with fixture.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.
6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-410.1.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Finial and Cap - Blue and Taupe Schemes



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Backplate and Rail - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-410.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

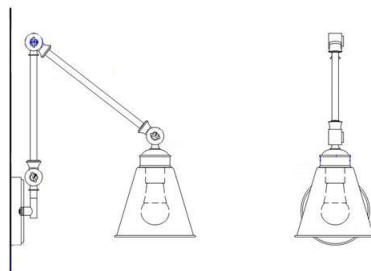
E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
http://www.arkansaslighting.com

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-411.1.1
DESCRIPTION: Hardwired Wall Sconce with Fixed Arms (no articulation or rotation)
- at Buffet
MODEL NO: Custom
DIMENSIONS: 14" Projection x 16" H; Shade height 5-1/4" H (6" Dia.)
FINISH/COLOR: Powdercoated metal to match SP-P01, Matte
LAMPING: (1) 12-watt LED, E26, 120V, 1100 lumen minimum, 3000 Kelvin, 90 CRI
SHADE FINISH: Exterior and Interior: Powdercoated metal to match SP-P01

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. All mounting hardware to be included with fixture.
4. Fixture to be hardwired/installed by General Contractor.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-411.1.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Sconce - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-411.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-411.1.2

DESCRIPTION: Hardwired Wall Sconce with Fixed Arms (no articulation or rotation)
- at Buffet

MODEL NO: Custom

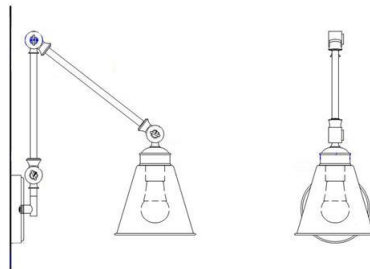
DIMENSIONS: 14" Projection x 16" H; Shade height 5-1/4" (6" Dia.)

FINISH/COLOR: Powdercoated metal to match SP-P01, Matte

LAMPING: (1) 12-watt LED, E26, 120V, 1100 lumen minimum, 3000 Kelvin, 90 CRI

SHADE FINISH: Exterior and Interior: Powdercoated metal to match SP-P01

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. All mounting hardware to be included with fixture.
4. Fixture to be hardwired/installed by General Contractor.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.
6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-411.1.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

FINISHES:



MANUFACTURER:

Sherwin Williams
2800 Century Parkway NE
Suite 100
Atlanta, GA 30345
404-304-3834 (c) / 678-942-5871 (direct)
678-942-4200 (main)
andrew.flippin@sherwin.com
www.sherwin-williams.com

REPRESENTATIVE:

Spec ID: SP-P01
Category: Finish
Color Name: #9175 Deep Forest Brown
Location: Sconce - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-411.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
<http://www.arkansaslighting.com>

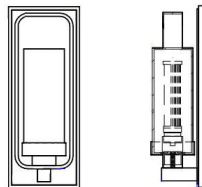
REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-412.1.1
DESCRIPTION: Hardwired Wall Sconce at Corridors
MODEL NO: Custom
DIMENSIONS: 4" Projection x 14" OH, Shade; 3-1/8" Dia. x 7-1/4" H

CORD: Finish: Black nylon wrapped cord
FINISH/COLOR: Back panel finish to match SP-MT01, Accents of SP-MT02
LAMPING: (1) LED bulb, GU24, 120-277V, 1100 lumen minimum, 3000 Kelvin, 90 CRI
SHADE FINISH: Matte, Opal acrylic shade

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. All mounting hardware to be included with fixture.
4. Fixture to be hardwired/installed by General Contractor.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019			SP-412.1.1

Brand Design

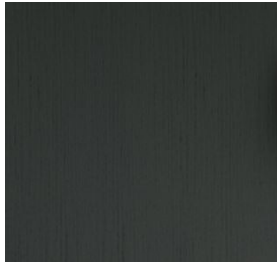
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT01
Category: Metal Finish
Color Name: Chemetal #908 Satin Black Aluminum
Location: Backplate - Blue and Taupe Schemes



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Accents - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-412.1.1

COLORWAY:

AREA: Public Areas

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-412.1.2

DESCRIPTION: Hardwired Wall Sconce at Corridors

MODEL NO: Custom

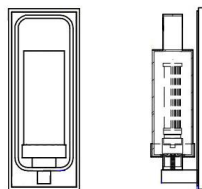
DIMENSIONS: 4" Projection x 14" OH, Shade; 3-1/8" Dia. x 7-1/4" H

FINISH/COLOR: Back panel finish to match SP-MT01, Accents of SP-MT02

LAMPING: (1) LED bulb, GU24, 120-277V, 1100 lumen minimum, 3000 Kelvin, 90 CRI

SHADE FINISH: Matte, Opal acrylic shade

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. All mounting hardware to be included with fixture.
4. Fixture to be hardwired/installed by General Contractor.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.
6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-412.1.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT01
Category: Metal Finish
Color Name: Chemetal #908 Satin Black Aluminum
Location: Backplate - Blue and Taupe Schemes



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Accents - Blue and Taupe Schemes

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-412.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas: Corridor

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
<http://www.arkansaslighting.com>

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-452.1.1
DESCRIPTION: Corridor Flush Mount - for Renovation
MODEL NO: Custom
DIMENSIONS: 16"DIA x 2.5"H

FINISH/COLOR: Metal frame finish to match SP-MTL1
LAMPING: (1) LED bulb, GU24, 120V, 2000 lumen minimum, 3000 Kelvin, 90 CRI
SHADE FINISH: White Acrylic

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. All mounting hardware to be included with fixture.
4. Fixture to be hardwired/installed by General Contractor.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.
6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020			SP-452.1.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:	SP-MT01
Category:	Metal Finish
Color Name:	Chemetal #908 Satin Black Aluminum
Location:	Metal Frame - Blue and Taupe Scheme

ISSUE DATE:

6/15/2020

REVISION DATE:

REV. NO:

SPEC NO:

SP-452.1.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas: Guest Laundry, Corridor

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-452.1.2

DESCRIPTION: Corridor Flush Mount - for Renovation

MODEL NO: 502401

DIMENSIONS: 16"DIA x 2.5"H

FINISH/COLOR: Metal frame finish to match SP-MTL1

LAMPING: (1) LED bulb, GU24, 120V, 2000 lumen minimum, 3000 Kelvin, 90 CRI

SHADE FINISH: White Acrylic

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. All light fixtures must be U.L. approved and bear the U.L. label.
3. All mounting hardware to be included with fixture.
4. Fixture to be hardwired/installed by General Contractor.
5. Substitutions of manufacturer are not permitted without prior written approval by IHG.
6. Bulbs not included with fixture - must be purchased separately. Purchasing agent to verify lamping requirements with manufacturer prior to purchasing bulbs.

ISSUE DATE:

6/15/2020

REVISION DATE:

REV. NO:

SPEC NO:

SP-452.1.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT01

Category:

Metal Finish

Color Name:

Chemetal #908 Satin Black Aluminum

Location:

Metal Frame - Blue and Taupe Scheme

ISSUE DATE:

6/15/2020

REVISION DATE:

REV. NO:

SPEC NO:

SP-452.1.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas: Great Room

MANUFACTURER:

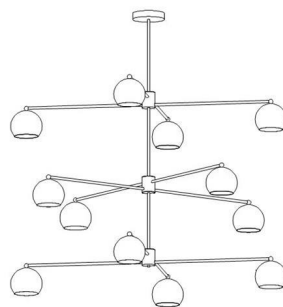
CENTURY INDUSTRIES INC.
Customer Service / Jason Wolinsky
P 1-514-842-3933
F 514-842-7481
E centuryamadeus.com
5645 Royalmount Ave
Montreal, QC
H4P 2P9, QC

REP FIRM:

Penny Shelton
PH: 404-229-3983
pdshelton@icloud.com

SPEC NO: SP-453.1
DESCRIPTION: Great Room Chandelier - for Renovation
MODEL NO: FX-8005-6
DIMENSIONS: 69.25"Dia x 62.75"H
Overall Height: 105" V.I.F.
FINISH: Frame/Exposed Metal to match SP-MT02
INSTALLATION: Hardwired
LAMPING: 12x E26-Sockets Compat W / A19 Max LED Bulbs, 120V, 2000 lumen
minimum, 3000 Kelvin, 90 CRI Dimmable
MOUNTING HT: See Reflected Ceiling Plan
SHADE FINISH: Metal Shade - Exterior to match SP-MT01; Interior to match SP-MT02
SOCKET TYPE: E26 Edison Base

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
6/15/2020	2/28/2022	1	SP-453.1

Brand Design

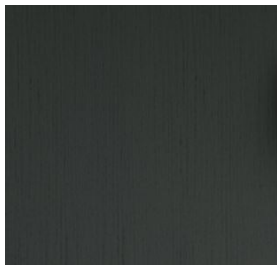
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Lamping not included with fixture - Must be purchased separately.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT01

Category:

Metal Finish

Color Name:

Chemetal #908 Satin Black Aluminum

Location:

Metal Shade - Blue and Taupe Scheme



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Metal Frame - Blue and Taupe Scheme

ISSUE DATE:

6/15/2020

REVISION DATE:

2/28/2022

REV. NO:

1

SPEC NO:

SP-453.1

COLORWAY:

AREA: Public Areas: Business Center

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
<http://www.arkansaslighting.com>

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-454.1
DESCRIPTION: Floor Lamp - for Renovation
MODEL NO: Q7125-B
DIMENSIONS: 22" W x 22" D x 64" H

CORD: 6ft Exposed Silver Cord
DIMMABLE: No
FINISH: Flat Black, Satin Brass
LAMPING: E26 17W LED, 3000K, minimum 83 CRI
LOCATION: Business Center
SHADE: White Hardback Shade
SOCKET TYPE: E26 Socket
SWITCH: On/Off Rocker Switch

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-454.1

Brand Design

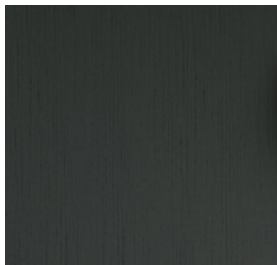
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Lamping not included with fixture - must be purchased separately.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT01

Category:

Metal Finish

Color Name:

Chemetal #908 Satin Black Aluminum

Location:

Main Body - Blue and Taupe Schemes



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Accent - Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-454.1

COLORWAY:

AREA: Public Areas: Business Center

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-454.2
DESCRIPTION: Floor Lamp - for Renovation
MODEL NO: 319501
DIMENSIONS: 22" W x 22" D x 64" H

CORD: 6ft Exposed Silver Cord
DIMMABLE: No
FINISH: Flat Black, Satin Brass
LAMPING: E26 17W LED, 3000K, minimum 83 CRI
LOCATION: Business Center
SHADE: White Hardback Shade
SOCKET TYPE: E26 Socket
SWITCH: On/Off Rocker Switch

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-454.2

Brand Design

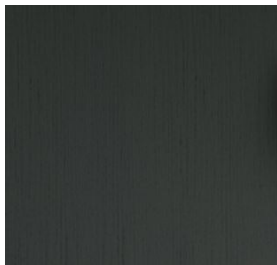
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Lamping not included with fixture - must be purchased separately.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT01

Category:

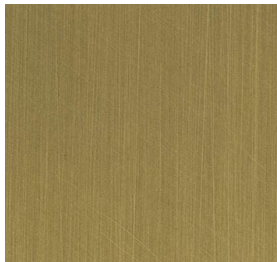
Metal Finish

Color Name:

Chemetal #908 Satin Black Aluminum

Location:

Main Body - Blue and Taupe Schemes



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Accent - Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-454.2

COLORWAY:

AREA: Public Areas: Great Room

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
<http://www.arkansaslighting.com>

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-455.1
DESCRIPTION: Hardwired Wall Sconce - for Renovation
MODEL NO: Q7333
DIMENSIONS: 12"W x 19-15/16"D x 52-3/4"H

DIMMABLE: No
FINISH: Body: Matte Black; Accent: Antique Brushed Brass
LAMPING: (2) E26 Bulbs; Minimum 83 CRI
LOCATION: Gathering Table
SWITCH: Fixture to be switched at wall
WIRING: Hardwired

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-455.1

Brand Design

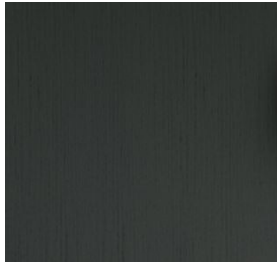
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Lamping not included with fixture - must be purchased separately.

FINISHES:



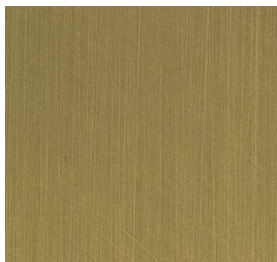
MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT01
Category: Metal Finish
Color Name: Chemetal #908 Satin Black Aluminum
Location: Main Body - Blue and Taupe Schemes



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Accent - Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-455.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas: Great Room

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-455.2
DESCRIPTION: Hardwired Wall Sconce - for Renovation
MODEL NO: Custom
DIMENSIONS: 12"W x 19-15/16"D x 52-3/4"H

DIMMABLE: No
FINISH: Base: Matte Black, Accent: Antique Brass
LAMPING: (2) E26 Bulbs; Minimum 83 CRI
LOCATION: Gathering Table
SWITCH: Fixture to be switched at wall
WIRING: Hardwired

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.
2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-455.2

Brand Design

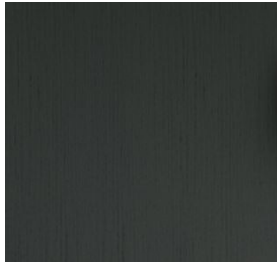
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Lamping not included with fixture - must be purchased separately.

FINISHES:



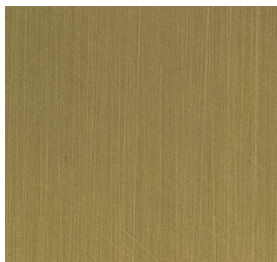
MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT01
Category: Metal Finish
Color Name: Chemetal #908 Satin Black Aluminum
Location: Main Body - Blue and Taupe Schemes



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Accent - Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-455.2

COLORWAY:

AREA: Public Areas: Buffet Area

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
<http://www.arkansaslighting.com>

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-458.1 (Blue)
DESCRIPTION: Pendant Light - for Renovation
MODEL NO: Q7334
DIMENSIONS: 13.78"W x 13.78"D x 40" Overall Height

FINISH: Matte White
LAMPING: 40 Watt Max. Fluorescent or LED Equivalent
LOCATION: Buffet - Blue Scheme
MOUNTING HT: See Reflected Ceiling Plan
SOCKET TYPE: Medium Based Socket
SWITCH: Fixture to be switched at wall
WIRING: Hardwired

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-458.1 (Blue)

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Fixture to be hardwired and installed by General Contractor.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Accent - Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-458.1 (Blue)

COLORWAY:

AREA: Public Areas: Buffet Area

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
<http://www.arkansaslighting.com>

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-458.1 (Taupe)
DESCRIPTION: Pendant Light - for Renovation
MODEL NO: Q7335
DIMENSIONS: 12"W x 12"D x 40" Overall Height

FINISH: Matte Black PC-Soft Gold
LAMPING: 17 Watt LED
LOCATION: Buffet - Taupe Scheme
MOUNTING HT: See Reflected Ceiling Plan
SOCKET TYPE: Medium Base Socket
SWITCH: Fixture to be switched at wall
WIRING: Hardwired

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-458.1 (Taupe)

Brand Design

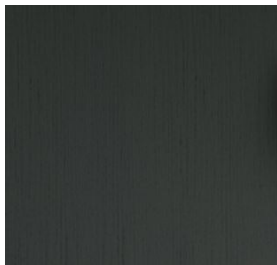
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Fixture to be hardwired and installed by General Contractor.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT01
Category: Metal Finish
Color Name: Chemetal #908 Satin Black Aluminum
Location: Main Body - Blue and Taupe Schemes



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Accent - Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-458.1 (Taupe)

COLORWAY:

AREA: Public Areas: Buffet Area

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-458.2 (Blue)
DESCRIPTION: Pendant Light - for Renovation
MODEL NO: Custom
DIMENSIONS: 13.78"W x 13.78"D x 40" Overall Height

FINISH: Matte White
LAMPING: 40 Watt Max. Fluorescent or LED Equivalent
LOCATION: Buffet - Blue Scheme
MOUNTING HT: See Reflected Ceiling Plan
SOCKET TYPE: Medium Based Socket
SWITCH: Fixture to be switched at wall
WIRING: Hardwired

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-458.2 (Blue)

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Fixture to be hardwired and installed by General Contractor.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Accent - Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-458.2 (Blue)

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY:

AREA: Public Areas: Buffet Area

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-458.2 (Taupe)
DESCRIPTION: Pendant Light - for Renovation
MODEL NO: Custom
DIMENSIONS: 12"W x 12"D x 40" Overall Height

FINISH: Matte Black PC-Soft Gold
LAMPING: 17 Watt LED
LOCATION: Buffet - Taupe Scheme
MOUNTING HT: See Reflected Ceiling Plan
SOCKET TYPE: Medium Base Socket
SWITCH: Fixture to be switched at wall
WIRING: Hardwired

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:

2/28/2022

REVISION DATE:

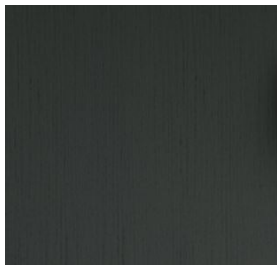
REV. NO:

SPEC NO:

SP-458.2 (Taupe)

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Fixture to be hardwired and installed by General Contractor.

FINISHES:



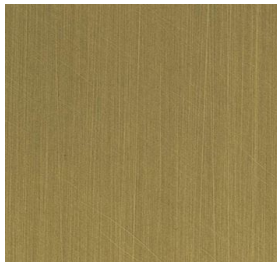
MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT01
Category: Metal Finish
Color Name: Chemetal #908 Satin Black Aluminum
Location: Main Body - Blue and Taupe Schemes



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID: SP-MT02
Category: Metal Finish
Color Name: Chemetal #310 Antique Brushed Brass
Location: Accent - Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-458.2 (Taupe)

COLORWAY:

AREA: Public Areas: Lobby

MANUFACTURER:

ARKANSAS LIGHTING
Maria Gunter
P 479-474-0876

E mgunter@arkansaslighting.com
1701 South 28th Street
Van Buren, AR 72956
<http://www.arkansaslighting.com>

REP FIRM:

Jackson Hill Design Lines
Liz Hill
5885 Cumming Hwy # 108-263
Sugar Hill, GA 30518
PH: 770-356-0872
liz@JacksonHillDesignLines.com

SPEC NO: SP-459.1
DESCRIPTION: Floor Lamp - for Renovation
MODEL NO: Q7336
DIMENSIONS: 20" W x 66" D x 76" H

CORD: 8' Exposed Silver Cord
DIMMABLE: No
FINISH: Dark Bronze, Satin Brass, White Marble
LAMPING: E26 11W LED, 3000K, minimum 83 CRI
MATERIALS: Marble. Metal
SHADE: White Linen Hardback Shade with Frosted Acrylic Diffuser
SOCKET TYPE: (2) E26 Sockets
SWITCH: On/Off Rocker Switch at 42" AFF

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-459.1

Brand Design

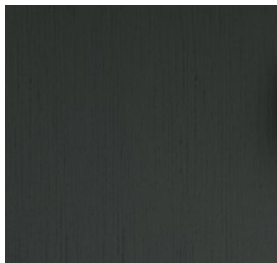
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Fixture to be hardwired and installed by General Contractor.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT01

Category:

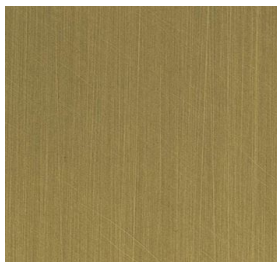
Metal Finish

Color Name:

Chemetal #908 Satin Black Aluminum

Location:

Main Body - Blue and Taupe Schemes



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Accent - Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-459.1

COLORWAY:

AREA: Public Areas: Lobby

MANUFACTURER:

TRINITY LIGHTING
P 870-972-1177
F 870-972-6381
E sales@trinitylighting.com
2902 Quality Way
Jonesboro, AR 72401

REP FIRM:

Chad Gunderson Associates
Chad Gunderson
PH: 678-388-9529 x 111
PH: 678-468-2600 (c)
F: 678-388-9529 x 111
chad@chadgunderson.com

SPEC NO: SP-459.2
DESCRIPTION: Floor Lamp - for Renovation
MODEL NO: 3586753
DIMENSIONS: 22" W x 66" D x 76" H

CORD: 8ft Exposed Silver Cord
DIMMABLE: No
FINISH: Dark Bronze, Satin Brass, White Marble
LAMPING: E26 11W LED, 3000K, minimum 83 CRI
SHADE: White Linen Hardback Shade with Frosted Acrylic Diffuser
SOCKET TYPE: (2) E26 Sockets
SWITCH: On/Off Rocker Switch at 42" AFF

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for commercial use.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
2/28/2022			SP-459.2

Brand Design

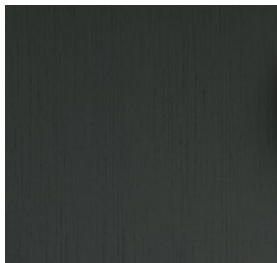
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

2. Substitutions of manufacturer are not permitted without prior written approval by IHG. Any deviation from this spec and its associated shop drawings requires written consent from IHG Plan Review prior to development or purchase. Customization may result in a change to the IHG contracted pricing and/or lead times.
3. Quantity to be verified prior to order.
4. All materials and methods of construction must comply with all local fire & life safety codes.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. Fixture to be hardwired and installed by General Contractor.

FINISHES:



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT01

Category:

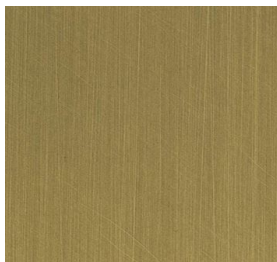
Metal Finish

Color Name:

Chemetal #908 Satin Black Aluminum

Location:

Main Body - Blue and Taupe Schemes



MANUFACTURER:

Chemetal
39 O'Neill Street
Easthampton, MA 01027
800-777-8992

REPRESENTATIVE:

Sharon Bittner
1925 Annapolis Lane
Plymouth, MN 55441
800-777-8992
sbittner@holdahlcompany.com

Spec ID:

SP-MT02

Category:

Metal Finish

Color Name:

Chemetal #310 Antique Brushed Brass

Location:

Accent - Blue and Taupe Schemes

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-459.2

COLORWAY: Blue Scheme

AREA: Exterior Areas: Patio

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1100.1

DESCRIPTION: Outdoor Rocking Lounge - at Front Porch and Patio

MODEL NO: Parc Rocking Chair #10053

DIMENSIONS: 24.8" W x 30.71" D x 29.53" H
Seat Height: 15.35"
Arm Height: 22.75"

FINISH: Lava F10

FRAME: Powdercoated Aluminum; Teak Seat and Back

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
3. All exposed frames to be non-corrosive and sealed for moisture resistance.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-1100.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. Quantity to be verified prior to order.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. All materials and methods of construction must comply with all local fire & life safety codes.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-1100.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas

MANUFACTURER:

AKULA LIVING LIMITED

Tom Dunne

P +44(0) 1937 862 705

E tom@akulaliving.com

4 Cromwell Office Park, York Rd

Wetherby

LS22 7SU,

akulaliving.com

REP FIRM:

SPEC NO: SP-1101.1

DESCRIPTION: Outdoor Ottoman - at Front Porch and Patio

MODEL NO: Davenport Small Footstool #50005

DIMENSIONS: 17.9"W x 16.7"D x 18.3"H

FABRIC: Water Resistant Fabric SP-1101.A

FRAME: Powdercoated Aluminum; Marine Grade

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-1101.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Seasonal Living
4101 Smith School Road
Building 4, Suite 200
Austin, TX 78744
(512) 554-5738
michaelh@seasonalliving.com
www.seasonalliving.com

REPRESENTATIVE:

Spec ID:	SP-1101.A
Color Name:	Taupe Grey #705
Finish:	Water Resistant
Item:	Fabric at Outdoor Ottoman
Location:	Ottoman

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-1101.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Patio

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1102.1

DESCRIPTION: Outdoor Lounge Chair - at Patio

MODEL NO: Landscape Small Middle Seat 80 #31053

DIMENSIONS: 31.5"W x 31.5"D x 26.8"H

FABRIC: SP-1102.A

FINISH: Lava F10

FRAME: Powdercoated Aluminum

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-1102.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Seasonal Living
4101 Smith School Road
Building 4, Suite 200
Austin, TX 78744
(512) 554-5738
michaelh@seasonalliving.com
www.seasonalliving.com

REPRESENTATIVE:

Spec ID:	SP-1102.A
Color Name:	Taupe #541
Item:	Fabric at Outdoor Ottoman
Location:	Seat and Back Cushions

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-1102.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Patio

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1103.1

DESCRIPTION: Outdoor Lounge Chair -at Patio

MODEL NO: Omer Lounge Chair #85003

DIMENSIONS: 29.5" W x 29.5" D x 25.7" H

FABRIC: SP-1103.A

FINISH: Lava F10

FRAME: Powdercoated Aluminum; Teak, Woven Rope

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-1103.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Seasonal Living
4101 Smith School Road
Building 4, Suite 200
Austin, TX 78744
(512) 554-5738
michaelh@seasonalliving.com
www.seasonalliving.com

REPRESENTATIVE:

Spec ID:	SP-1103.A
Color Name:	Chestnut 708
Item:	Fabric at Outdoor Lounge Chair
Location:	Seat and Back Cushions

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-1103.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Patio

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1104.1

DESCRIPTION: Outdoor Framed Sofa - at Front Porch and Patio

MODEL NO: Landscape 3-Seater #31008

DIMENSIONS: 76.4" L x 31.5" D x 26.8" H

FABRIC: SP-1104.A

FINISH: Lava F10

FRAME: Powdercoated Aluminum

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-1104.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Seasonal Living
4101 Smith School Road
Building 4, Suite 200
Austin, TX 78744
(512) 554-5738
michaelh@seasonalliving.com
www.seasonalliving.com

REPRESENTATIVE:

Spec ID:	SP-1104.A
Color Name:	Taupe #541
Item:	Fabric at Outdoor Ottoman
Location:	Seat and Back Cushions

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-1104.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Patio

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1109.1

DESCRIPTION: Outdoor Dining Chair - at Patio

MODEL NO: Diamond Armchair #41501

DIMENSIONS: 22.8" W x 21.7" D x 29.7" H x 17.5" SH

FINISH: Frame: Lava F10; Rope: Charcoal R03

FRAME: Powdercoated Aluminum; Seat and Back: Rope and Textylene Sling

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-1109.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-1109.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1112.1

DESCRIPTION: Outdoor Cushion at Window Seat at Patio

MODEL NO: Custom

DIMENSIONS: 176" W x 24" D x 4" H; to be 4 equal pieces

CLOSURE: Full length synthetic zipper (not metal); To be hidden in body edge length

FABRIC: Taupe Grey 705

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for exterior, commercial use.
2. Upholstery, fabric and cushion foam must meet all state and local flammability requirements for property location.
3. Substitutions of manufacturer are not permitted without prior written approval by IHG.
4. Cushion to have water-resistant commercial quality foam
5. Upholstery to be constructed with mildew, stain, and fade resistant fabric and must be suitable for outdoor use.
6. Fabric yardage requirements must be verified by manufacturer.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-1112.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. Cushion must be reversible
8. Verify window dimensions in field.
9. Manufacturer to clearly mark each carton with item ID and specification number.
10. Refer to drawings for locations.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-1112.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Patio

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1120.1

DESCRIPTION: Outdoor Side Table - at Front Porch and Patio

MODEL NO: Omer Side Table #85099

DIMENSIONS: 17.7" H x 16.5" Dia.

FRAME: Powdercoated Aluminum Wrapped in Woven Rope

FINISH: Lava F10

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-1120.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-1120.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Patio

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1121.1

DESCRIPTION: Outdoor Square Side Table - at Front Porch and Patio

MODEL NO: Metris Side Table #30007

DIMENSIONS: 18.9" W x 16.3" D x 13.8" H

FINISH: Lava F10

FRAME: Powdercoated Aluminum; Aluminum Table Top

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

2

SPEC NO:

SP-1121.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	2	SP-1121.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Patio

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1123.1

DESCRIPTION: Outdoor Dining Table - at Patio

MODEL NO: Metris Dining Table #30020

DIMENSIONS: 89" L x 35.4" W x 29.5" H

FINISH: Lava F10

FRAME: Powdercoated Aluminum

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-1123.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-1123.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Patio

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1124.1

DESCRIPTION: Outdoor Table - at Patio

MODEL NO: Easy-Fit Elite Side Table #99920S-T

DIMENSIONS: 14.2" H x 31.5" Dia.

FINISH: Table Top: Lava F10

FRAME: Aluminum Table Top and Legs

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-1124.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-1124.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Patio

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1125.1

DESCRIPTION: Outdoor Table - at Patio

MODEL NO: Easy-Fit Elite Side Table #99920Z-T

DIMENSIONS: 11" H x 23.6" Dia.

FINISH: Table Top: Lava F10

FRAME: Aluminum Table Top and Legs

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-1125.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-1125.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1128.2

DESCRIPTION: Planter - at the Front Porch

MODEL NO: Rectangular Planter

DIMENSIONS: 39" W x 17" H

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-1128.2

COLORWAY: Blue Scheme

AREA: Exterior Areas: Patio

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1129.2

DESCRIPTION: Planter - at Patio

DIMENSIONS: 28" H x 28" Dia.

MATERIALS: Aluminum

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-1129.2

COLORWAY: Blue Scheme

AREA: Exterior Areas: Patio

MANUFACTURER:

TUUCI
P 305-634-5116

2900 NW 35th St.
Miami
FL 33142
www.tuuci.com

REP FIRM:

Klem Group
Eric Klem
PH: 404-389-0900
PH: 678-429-7910
F: 404-389-0900
eric@klemgroup.com

SPEC NO: SP-1130.1

DESCRIPTION: Outdoor Cabana - at Patio

MODEL NO: Equinox Cabana

DIMENSIONS: 120" L x 144" W x 110" H

FINISH/COLOR: Trellis: Natural

FRAME: Jet Black

HARDWARE: Mount; 9" x 9" Stainless steel bottom plate with leveling base plate (existing concrete)

IMPORTANT: Cabana to only include trellis roof

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. Quantity to be verified prior to order.
5. All mounting and internal hardware (hinges, screws, bolts, etc) to be corrosion proof.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-1130.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.
8. Substitutions of manufacturer are not permitted without prior written approval by IHG.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-1130.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Exterior Areas

MANUFACTURER:

TUUCI
P 305-634-5116

2900 NW 35th St.
Miami
FL 33142
www.tuuci.com

REP FIRM:

Klem Group
Eric Klem
PH: 404-389-0900
PH: 678-429-7910
F: 404-389-0900
eric@klemgroup.com

SPEC NO: SP-1131.1

DESCRIPTION: Outdoor Cabana with 2-1/2 Trellis Walls at Patio

MODEL NO: Equinox Cabana

DIMENSIONS: 120" L x 144" W x 110" H

FINISH/COLOR: Trellis: Natural

FRAME: Jet Black

HARDWARE: Mount; 9" x 9" Stainless steel bottom plate with leveling base plate (existing concrete)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:

NOTES:

1. Product to be of contract quality and suitable for exterior, commercial use.
2. All exposed frames to be non-corrosive and sealed for moisture resistance.
3. Substitutions of manufacturer are not permitted without prior written approval by IHG.
4. Cabana to include (2-1/2) trellis walls as drawn in plan.

ISSUE DATE:

11/6/2019

REVISION DATE:

REV. NO:

SPEC NO:

SP-1131.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Pool Area, Outdoor Pool Area

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1132.2

DESCRIPTION: Chaise Lounge - at Pool

DIMENSIONS: 28" W x 82" D x 39" H, 12-1/2" Seat Height

FABRIC: Sling

FRAME: Black

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-1132.2

COLORWAY: Blue Scheme

AREA: Public Areas: Pool Area, Outdoor Pool Area

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1133.2

DESCRIPTION: Square Tea Table - at Pool

DIMENSIONS: 24"W x 24"D x 22" H

FRAME: Black

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

2/28/2022

REV. NO:

2

SPEC NO:

SP-1133.2

COLORWAY: Blue Scheme

AREA: Public Areas: Outdoor Pool Area

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO:

SP-1134.2

DESCRIPTION:

Umbrella - at Pool Dining Table

DIMENSIONS:

96" Point to Point (Hexagonal) x 99-3/4" H; Pole: 1-1/2" Dia.

FABRIC:

Cast Silver

FRAME:

Black

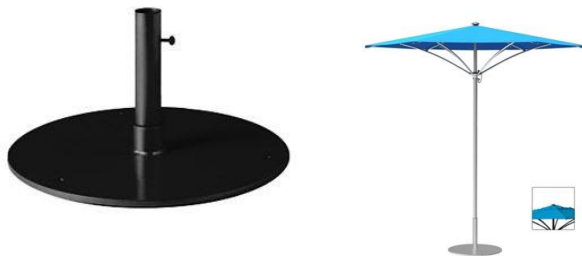
LIFT SYSTEM:

Manual

IMPORTANT:

Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

2/28/2022

REV. NO:

2

SPEC NO:

SP-1134.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

ISSUE DATE:

11/6/2019

REVISION DATE:

2/28/2022

REV. NO:

2

SPEC NO:

SP-1134.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Public Areas: Pool Area, Outdoor Pool Area

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1135.2

DESCRIPTION: Dining Table with Umbrella Hole - at Pool

MODEL NO: 872076U-31

DIMENSIONS: 36" W x 36" D x 30" H

FRAME: Black

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

2/28/2022

REV. NO:

2

SPEC NO:

SP-1135.2

COLORWAY: Blue Scheme

AREA: Public Areas: Pool Area, Outdoor Pool Area

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1136.2

DESCRIPTION: Dining Chair - at Pool

DIMENSIONS: 28" W x 29" D x 34" H, 17.5" SH, 24.5" AH

FABRIC: Sling

FRAME: Black

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

2/28/2022

REV. NO:

2

SPEC NO:

SP-1136.2

COLORWAY: Blue Scheme

AREA: Public Areas: Pool Area, Outdoor Pool Area

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1137.2

DESCRIPTION: Round End Table - at Pool

DIMENSIONS: 24" Dia. x 22" H

FINISH / COLOR: Black

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

2/28/2022

REV. NO:

2

SPEC NO:

SP-1137.2

COLORWAY: Blue Scheme

AREA: Public Areas: Pool Area

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1138.2

DESCRIPTION: Lounge Chair - at Pool

DIMENSIONS: 28"W x 29"D x 28"H, 11.5"SH, 17.5"AH

FINISH/COLOR: Sling

FRAME: Black

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

11/6/2019

REVISION DATE:

2/28/2022

REV. NO:

2

SPEC NO:

SP-1138.2

COLORWAY: Blue Scheme

AREA: Exterior Areas

MANUFACTURER:

AMERICAN HOTEL REGISTER COMPANY
Jason Renkens
P 847-743-1550
F 866-737-5590
E jrenkens@americanhotel.com
100 South Milwaukee Avenue
Vernon Hills, IL 60061
americanhotelregister.com

REP FIRM:

SPEC NO: SP-1139.1

DESCRIPTION: Trash Can - at Front Porch and Patio

MODEL NO: MTCRND3501

DIMENSIONS: 25" W x 43" H

FINISH/COLOR: Black

MATERIALS: Frame: Thermoplastic-coated metal, Lid: HDPE with UV inhibitors,
Removable plastic liner

WEIGHT: 35 Gallon Capacity

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-1139.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-1139.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Patio

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1139.2

DESCRIPTION: Trash Can - at Front Porch and Patio

DIMENSIONS: 25" W x 43" H

FINISH/COLOR: Black

MATERIALS: Frame: Thermoplastic-coated metal, Lid: HDPE with UV inhibitors,
Removable plastic liner

WEIGHT: 35 Gallon Capacity

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.

ISSUE DATE:

11/6/2019

REVISION DATE:

4/15/2021

REV. NO:

1

SPEC NO:

SP-1139.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:	REVISION DATE:	REV. NO:	SPEC NO:
11/6/2019	4/15/2021	1	SP-1139.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1151.1

DESCRIPTION: Outdoor Lounge Chair - for Renovation

MODEL NO: Colonial Cocoon #2602NA

DIMENSIONS: 67" W x 67" D x 67" H

CUSHION FABRIC: Quick Dry Foam (QDF)

FABRIC: Antique Beige

FINISH: Natural Wicker

FRAME: Powder-coated aluminium wrapped in 5mm wicker

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1151.1

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. All exposed frames to be non-corrosive and sealed for moisture resistance.
4. Quantity to be verified prior to order.
5. Refer to drawings for location.
6. Manufacturer to clearly mark each carton with item ID and specification number.
7. All materials and methods of construction must comply with all local fire & life safety codes.

FINISHES:



MANUFACTURER:
Sunbrella Fabrics

REPRESENTATIVE:

Spec ID: SP-1151.A
Color Number: 5422-0000
Color Name: Canvas / Antique Beige
Content: 100% Sunbrella Acrylic
Width: 54"
Finish: Non-PFOA water and stain repellent
Location: Cushion & Pillows

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1151.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1151.2

DESCRIPTION: Outdoor Lounge Chair - for Renovation

DIMENSIONS: 67" W x 67" D x 67" H

CUSHION FABRIC: Quick Dry Foam (QDF)

FABRIC: Antique Beige

FINISH: Natural Wicker

FRAME: Powder-coated aluminium wrapped in 5mm wicker

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
3. All exposed frames to be non-corrosive and sealed for moisture resistance.
4. Quantity to be verified prior to order.
5. Refer to drawings for location.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1151.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Manufacturer to clearly mark each carton with item ID and specification number.
7. All materials and methods of construction must comply with all local fire & life safety codes.

FINISHES:



MANUFACTURER:

Sunbrella Fabrics

REPRESENTATIVE:

Spec ID: SP-1151.A
Color Number: 5422-0000
Color Name: Canvas / Antique Beige
Content: 100% Sunbrella Acrylic
Width: 54"
Finish: Non-PFOA water and stain repellent
Location: Cushion & Pillows

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1151.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1152.1

DESCRIPTION: Outdoor Lounge Chair - for Renovation

MODEL NO: Meridian Lounge Chair #368

DIMENSIONS: 30"H x 31.5"W x 32.5"D

CUSHION FABRIC: Quick Dry Foam (QDF)

FABRIC: 541 Taupe

FINISH/COLOR: Lava Aluminum Frame

FRAME: Powder coated aluminum

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1152.1

Brand Design

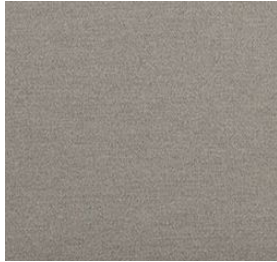
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Seasonal Living
4101 Smith School Road
Building 4, Suite 200
Austin, TX 78744
(512) 554-5738
michaelh@seasonalliving.com
www.seasonalliving.com

REPRESENTATIVE:

Spec ID: SP-1102.A
Color Name: Taupe #541
Item: Fabric at Outdoor Ottoman
Location: Seat and Back Cushions

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1152.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1152.2

DESCRIPTION: Outdoor Lounge Chair - for Renovation

DIMENSIONS: 30"H x 31.5"W x 32.5"D

CUSHION FABRIC: Quick Dry Foam (QDF)

FABRIC: 541 Taupe

FINISH/COLOR: Lava Aluminum Frame

FRAME: Powder coated aluminum

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1152.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Seasonal Living
4101 Smith School Road
Building 4, Suite 200
Austin, TX 78744
(512) 554-5738
michaelh@seasonalliving.com
www.seasonalliving.com

REPRESENTATIVE:

Spec ID:	SP-1102.A
Color Name:	Taupe #541
Item:	Fabric at Outdoor Ottoman
Location:	Seat and Back Cushions

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1152.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1154.1

DESCRIPTION: Outdoor Ottoman - for Renovation

MODEL NO: Meridian Footrest with Cushion #643

DIMENSIONS: 11"H x 32.5"W x 32.5"D

CUSHION FABRIC: Quick Dry Foam (QDF)

FABRIC: Brown Mele Fabric

FINISH/COLOR: Lava Aluminum Frame

FRAME: Powder coated aluminium

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

INSTALLATION: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1154.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Seasonal Living
4101 Smith School Road
Building 4, Suite 200
Austin, TX 78744
(512) 554-5738
michaelh@seasonalliving.com
www.seasonalliving.com

REPRESENTATIVE:

Spec ID:	SP-1102.A
Color Name:	Taupe #541
Item:	Fabric at Outdoor Ottoman
Location:	Cushion

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1154.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1154.2

DESCRIPTION: Outdoor Ottoman - for Renovation

DIMENSIONS: 11"H x 31.5"W x 31.5"D

CUSHION FABRIC: Quick Dry Foam (QDF)

FABRIC: Brown Mele Fabric

FINISH/COLOR: Lava Aluminum Frame

FRAME: Powder coated aluminium

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

INSTALLATION: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1154.2

Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Refer to drawings for location.

7. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Seasonal Living
4101 Smith School Road
Building 4, Suite 200
Austin, TX 78744
(512) 554-5738
michaelh@seasonalliving.com
www.seasonalliving.com

REPRESENTATIVE:

Spec ID:	SP-1102.A
Color Name:	Taupe #541
Item:	Fabric at Outdoor Ottoman
Location:	Cushion

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1154.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1155.1

DESCRIPTION: Outdoor Side Table - for Renovation

MODEL NO: Easy-Fit Elite Teak Side Table #99920T

DIMENSIONS: 16.5" Diameter x 17.3" H

FINISH / COLOR: Frame: Teak

FINISH/COLOR: Tabletop: Lava Aluminum

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1155.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1155.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1155.2

DESCRIPTION: Outdoor Side Table - for Renovation

DIMENSIONS: 16.5" Diameter x 17.3" H

FINISH / COLOR: Frame: Teak

FINISH/COLOR: Tabletop: Lava Aluminum

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1155.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1155.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1157.1

DESCRIPTION: Outdoor C-Table - for Renovation

MODEL NO: Easy-Fit Ellips Side Table #99910

DIMENSIONS: 18.9"H x 13.4"W x 16.5"D

FINISH: Lava Aluminum

FRAME: Powder coated aluminum

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1157.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1157.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1157.2

DESCRIPTION: Outdoor C-Table - for Renovation

DIMENSIONS: 18.9"H x 13.4"W x 16.5"D

FINISH: Lava Aluminum

FRAME: Powder coated aluminum

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1157.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1157.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1158.1

DESCRIPTION: Outdoor Table - for Renovation

MODEL NO: Landscape Large Footrest w/o Cushion #31058

DIMENSIONS: 11"H x 56.7"W x 31.5"D

FINISH: Lava Aluminum

FRAME: Slatted powder coated aluminum

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1158.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1158.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1158.2

DESCRIPTION: Outdoor Table - for Renovation

DIMENSIONS: 11"H x 56.7"W x 31.5"D

FINISH: Lava Aluminum

FRAME: Slatted powder coated aluminum

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1158.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1158.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1159.1

DESCRIPTION: Outdoor Table - for Renovation

MODEL NO: Sunset Side Table #99940

DIMENSIONS: 17.7"H x 21.3"W x 10.2"D

FINISH: F10 Lava

FRAME: Powder coated aluminum

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1159.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1159.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1159.2

DESCRIPTION: Outdoor Table - for Renovation

DIMENSIONS: 17.7"H x 21.3"W x 10.2"D

FINISH: F10 Lava

FRAME: Powder coated aluminum

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1159.2



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1159.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1160.1

DESCRIPTION: Outdoor Island - for Renovation

MODEL NO: Indio Metal Kitchen Island

DIMENSIONS: 58"L x 25"W x 35.5"H

FINISH: Slate Grey

HARDWARE: Wheels approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

MATERIALS: 100% rust-proof aluminum frame with a food-safe stainless steel top

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1160.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1160.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1161.1

DESCRIPTION: Umbrella - for Renovation

MODEL NO: Florida Cantilever #FB1C

DIMENSIONS: 10 FT W x 9.25 FT H

BASE: Steel Cross Base for (4) 80lb granite tiles

FABRIC: Sunbrella: Canvas / Brick

FINISH: Pole Finish: Champagne Bronze

LIFT SYSTEM: Smooth Glide Trigger Lift Mechanism with Foot Activated Rotator

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
3. All materials and methods of construction must comply with all local fire & life safety codes.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1161.1

Brand Design

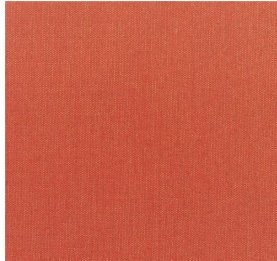
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:
Sunbrella Fabrics

REPRESENTATIVE:

Spec ID: SP-1161.A
Color Number: 5409-0000
Color Name: Canvas / Brick
Content: 100% Sunbrella Acrylic
Width: 54"
Finish: Non-PFOA water and stain repellent

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1161.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1161.2

DESCRIPTION: Umbrella - for Renovation

DIMENSIONS: 10 FT W x 9.25 FT H

BASE: Steel Cross Base for (4) 80lb granite tiles

FABRIC: Sunbrella: Canvas / Brick

FINISH: Pole Finish: Champagne Bronze

LIFT SYSTEM: Smooth Glide Trigger Lift Mechanism with Foot Activated Rotator

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1161.2

Brand Design

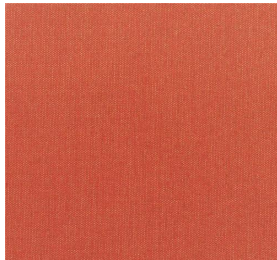
Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

7. Manufacturer to clearly mark each carton with item ID and specification number.

FINISHES:



MANUFACTURER:

Sunbrella Fabrics

REPRESENTATIVE:

Spec ID: SP-1161.A
Color Number: 5409-0000
Color Name: Canvas / Brick
Content: 100% Sunbrella Acrylic
Width: 54"
Finish: Non-PFOA water and stain repellent

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1161.2

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1163.1

DESCRIPTION: Planter - for Renovation

DIMENSIONS: 23.25"W x 11.75"W x 35"H

FINISH: Bright Gray (BGY)

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contract pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
3. All materials and methods of construction must comply with all local fire & life safety codes.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1163.1

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1165.1

DESCRIPTION: Outdoor Cushion - for Renovation

DIMENSIONS: 20" Square

CLOSURE: Full length synthetic zipper (not metal); To be hidden in body edge length, if applicable

FABRIC: See color inspiration below

FINISH / COLOR: Pillow-1.8 oz Water Repellant UV treated Polypropylene

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

FIBER TYPE: .9 Denier Micro Fiber (Trillium)

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for exterior, commercial use.
2. Upholstery, fabric and cushion foam must meet all state and local flammability requirements for property location.
3. Substitutions of manufacturer are not permitted without prior written approval by IHG.
4. Cushion to have water-resistant commercial quality foam

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1165.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Upholstery to be constructed with mildew, stain, and fade resistant fabric and must be suitable for outdoor use.
6. Fabric yardage requirements must be verified by manufacturer.
7. Cushion must be reversible
8. Manufacturer to clearly mark each carton with item ID and specification number.
9. Refer to drawings for locations.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1165.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1166.1

DESCRIPTION: Outdoor Cushion - for Renovation

DIMENSIONS: 24" Square

CLOSURE: Full length synthetic zipper (not metal); To be hidden in body edge length if applied.

FABRIC: See color inspiration below

FINISH / COLOR: Pillow-1.8 oz Water Repellant UV treated Polypropylene

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar to meet requirements and sizing. Contracted pricing is not provided for this item.

FIBER TYPE: .9 Denier Micro Repellant UV treated

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Product to be of contract quality and suitable for exterior, commercial use.
2. Upholstery, fabric and cushion foam must meet all state and local flammability requirements for property location.
3. Substitutions of manufacturer are not permitted without prior written approval by IHG.
4. Cushion to have water-resistant commercial quality foam

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1166.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

5. Upholstery to be constructed with mildew, stain, and fade resistant fabric and must be suitable for outdoor use.
6. Fabric yardage requirements must be verified by manufacturer.
7. Cushion must be reversible
8. Verify window dimensions in field.
9. Manufacturer to clearly mark each carton with item ID and specification number.
10. Refer to drawings for locations.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1166.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

AKULA LIVING LIMITED
Tom Dunne
P +44(0) 1937 862 705

E tom@akulaliving.com
4 Cromwell Office Park, York Rd
Wetherby
LS22 7SU,
akulaliving.com

REP FIRM:

SPEC NO: SP-1167.1

DESCRIPTION: Outdoor Dining Table - for Renovation

MODEL NO: Koro Round Dining Table #5110R

DIMENSIONS: 43.3" Diameter x 29.5" H

FINISH: Lava Aluminum

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: 4-6 week lead time

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1167.1



Brand Design

Staybridge Suites - Next Generation 7.0
Prototype Public Space

InterContinental Hotels Group

Design & Construction
Three Ravinia Drive, Suite 100
Atlanta, GA 30346

6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1167.1

Contact supplier for contracted pricing. All orders must be marked as specified by IHG. All installed fabrics, upholstery, carpet, wallcovering, and other finish materials must meet local fire codes and regulations. Manufacturer must provide flame certificate to owner/purchaser at time order is shipped. Fabricator and/or installer must confirm the exact quantities required. All substitutions must be approved by IHG prior to ordering. Manufacturers must provide maintenance instructions. All shop drawings, finish samples, artwork and/or strike-offs must be submitted to IHG, for approval prior to production.

COLORWAY: Blue Scheme

AREA: Exterior Areas: Courtyard

MANUFACTURER:

OWNER'S CHOICE

REP FIRM:

SPEC NO: SP-1167.2

DESCRIPTION: Outdoor Dining Table - for Renovation

DIMENSIONS: 43.3" Diameter x 29.5" H

FINISH: Lava Aluminum

HARDWARE: Glides approved for outdoor or hard surfaces provided by manufacturer

IMPORTANT: Specification is a performance specification / design intent only; provide this product or similar that meets requirements and sizing. Contracted pricing is not provided for this item.

Fabrication to be in accordance with IHG standards as stated in the FF&E Construction and Specification Guidelines and as follows:



Images Not to Scale or Color
For Design Intent Only

NOTES:

1. Products to be contract quality and suitable for commercial use.
2. All materials and methods of construction must comply with all local fire & life safety codes.
3. Installation to be per manufacturer instructions; manufacturer to provide completed installation instructions with product.
4. All exposed frames to be non-corrosive and sealed for moisture resistance.
5. Quantity to be verified prior to order.
6. Refer to drawings for location.
7. Manufacturer to clearly mark each carton with item ID and specification number.

ISSUE DATE:

2/28/2022

REVISION DATE:

REV. NO:

SPEC NO:

SP-1167.2

DIVISION 22 – MECHANICAL - HOTEL

220100	GENERAL MECHANICAL REQUIREMENTS - 9
220500	BASIC MECHANICAL MATERIALS AND METHODS - 5
220600	HANGERS AND SUPPORTS - 3
220800	PIPING INSULATION - 3
220850	DUCTWORK INSULATION - 2
221100	GENERAL DUTY VALVES - 2
221220	GAUGES AND THERMOMETERS - 1
221400	PIPING SYSTEMS – 6
223000	FIRE PROTECTION SYSTEMS – 4
224100	PLUMBING FIXTURES - 3
224300	PLUMBING SPECIALTIES - 2
224850	WATER HEATERS - 2
227000	VARIABLE REFRIGERANT FLOW SYSTEMS – 6
227310	PACKAGE TERMINAL AIR CONDITIONERS – 3
228126	DUCTLESS MINI-SPLITS – 5
228150	METAL DUCTWORK - 5
228200	DUCT ACCESSORIES AND HVAC SPECIALTIES - 3
228210	DOAS ROOFTOP UNITS – 7
228350	POWER VENTILATORS - 1
228550	GRILLES, REGISTERS AND DIFFUSERS – 2
229000	HVAC INSTRUMENTATION AND CONTROLS – 22
229200	GUESTROOM TEMPERATURE CONTROLS – 2
229300	MECHANICAL SYSTEMS COMMISSIONING – 1
229500	TESTING, ADJUSTING, AND BALANCING - 9

Table of Contents

SECTION 220100 – GENERAL MECHANICAL REQUIREMENTS

PART I - GENERAL

I.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division I Specification Sections shall apply to this Section.

I.2 SPECIFICATION FORM AND DEFINITIONS

- A. These Specifications are abbreviated form and contain incomplete sentences. Omissions of words or phrases such as "the Contractor shall", "shall be", "as noted on the Drawings", "according to the drawings", "a", "an", "the", and "all" are intentional. Omitted words and phrases shall be supplied by inference.
- B. When a word such as "proper", "satisfactory", "equivalent", and "as directed" is used, it requires Engineer's review.
- C. "Provide" means furnish and install.
- D. "Working Day" wherever used in these specifications shall mean the normal working days, Monday through Friday, exclusive of Saturday, Sunday and federally observed holidays.
- E. Architect - Engineer hereinafter abbreviated A/E shall mean both the Design Architects and the Design Engineers.
- F. Design Engineer hereinafter abbreviated D/E shall mean the Engineering Firm, CJD Engineering LLC, at 2225 West Chesterfield Boulevard, Suite 200, Springfield, Missouri 65807, Telephone (417) 877-1700. Contact person: Sy Shumaker, sshumaker@cjd-eng.com
- G. Electrical Contractor hereinafter abbreviated E/C shall mean the person or company and their subcontractors who enter into contract with the Owner to perform the electrical division work.
- H. Mechanical Contractor hereinafter abbreviated M/C shall mean the person or company and their subcontractors who enter into contract with the Owner to perform the mechanical division work.
- I. General Contractor hereinafter abbreviated G/C shall mean the person or company and their subcontractors who enter into contract with the Owner to perform the general division work.
- J. Equipment and/or materials manufacturer hereinafter abbreviated E/M shall mean the manufacturer of equipment or materials specified or referred to.

I.3 GENERAL EXTENT OF WORK

- A. Provide mechanical systems indicated on drawings, specified or reasonably implied. Provide every device and accessory necessary for proper operation and completion of mechanical systems. In no case will claims for "Extra Work" be allowed for work about which M/C could have informed himself before bids were taken.
- B. M/C shall familiarize himself with equipment provided by other Contractors, which require mechanical connections and controls.

I.4 LOCAL CONDITIONS

- A. Visit site and determine existing local conditions affecting work in contract.
- B. Failure to determine site conditions or nature of existing or new construction will not be considered a basis for granting additional compensation.

I.5 CODES, ORDINANCES, RULES AND REGULATIONS

- A. Provide work in accordance with applicable codes, rules, ordinances, and regulations of Local, State and Federal Governments and other authorities having lawful jurisdiction.
- B. Conform to latest editions and supplements of following codes, standards or recommended practices as adopted by the authority having jurisdiction.

1. CITY CODES:

- a. 2021 International Building Code.
- b. 2021 International Plumbing Code.
- c. 2021 International Fuel Gas Code.
- d. 2021 International Mechanical Code.
- e. 2021 International Fire Code.
- f. 2018 International Energy Conservation Code

2. SAFETY CODES:

- a. National Electric Safety Code Handbook H30- National Bureau of Standards.
- b. Occupational Safety and Health Standards - Department of Labor.
- c. Specifications for Making Buildings and Facilities Accessible To, and Usable By, the Physically Handicapped - American National Standards Institute ANSI A117.1

3. NATIONAL FIRE CODES:

- a. NFPA No. 54 Gas Appliance and Gas Piping Code.
- b. NFPA No. 70 National Electric Code - 2017 Edition.
- c. NFPA No. 89M Clearances, Heat Producing Appliances.
- d. NFPA No. 90A Air Conditioning and Ventilation Systems.
- e. NFPA No. 91 Blower and Exhaust Systems.
- f. NFPA No. 101 Life Safety Code - 1999 Edition.

- C. Where following standards are applicable to equipment specified, equipment shall conform to requirements of standard and shall display the appropriate seal or seals:

- 1. AGA - The American Gas Association Laboratories.
- 2. ASME - American Society of Mechanical Engineers.
- 3. NSF National Sanitation Foundation.
- 4. UL Underwriters Laboratories Inc.

- D. Drawings and specifications indicate minimum construction standards, but should any work indicated be sub-standard to any ordinances, laws, codes, rules or regulations bearing on work, Contractor shall execute work in accordance with such ordinances, laws, codes rules or regulations without increased cost to Owner, but not until he has referred such variances to A/E for approval.

- E. M/C shall secure and pay for necessary permits and certificates of inspection required by governmental ordinances, laws, rules or regulations. Keep a written record of all permits and inspection certificates and submits two copies to A/E with request for final inspection.

I.6 CONTRACT CHANGE

- A. Changes or deviations from contract; including those for extra or additional work must be submitted in writing for review of A/E. No verbal orders will be recognized.
- B. Changes in the work shall be submitted in accordance with AIA Document A201. General Conditions of the Contract for Construction.
- C. All change proposals shall be itemized indicating separately the costs for materials, labor, restocking changes, freight, bonds, insurance, overhead and profit. All materials shall be listed separately with quantities and individual unit prices. Labor factors shall be from a nationally recognized source with appropriate adjustment factors.

I.7 LOCATIONS AND INTERFERENCES

- A. Locations of equipment, piping and other mechanical work is indicated diagrammatically by mechanical drawings. Determine exact locations on job, subject to structural conditions, work of other Contractors, access requirements for installation and maintenance and to approval of A/E.
- B. Study and become familiar with contract drawings of other trades and in particular the general construction plans and details to obtain necessary information for figuring installation. Cooperate with other workmen and install work to avoid interference with their work. Minor deviations, not affecting design characteristics, performance or space limitations may be permitted if reviewed by A/E prior to installation.
- C. Any pipe, apparatus, appliance or other item interfering with proper placement of other work as indicated on drawings, specified, or required, shall be removed and if so shown, relocated and reconnected without extra cost. Damage to other work caused by this Contractor, his subcontractor, or his workmen shall be restored as specified for new work.
- D. Do not scale mechanical and electrical drawings for dimensions. Accurately lay out work from dimensions indicated on architectural drawings unless such be found in error.

I.8 SYSTEM PERFORMANCE

- A. Final acceptance of work shall be subject to the condition that all systems, equipment, apparatus and appliances operate satisfactorily as designed and intended, work shall include required adjustment of systems and control equipment installed under this specification.

I.9 WARRANTY

- A. M/C warrants to Owner and Architect the quality of materials, equipment, workmanship and operation of equipment provided under this specification division for a period of one year from and after date of substantial completion of building and acceptance of mechanical systems by Owner.
- B. Where manufacturers' warranties expire during the one year warranty period, M/C shall include provisions for extending warranty for the full one year period and shall include cost for warranty extension in his base bid. Where warranty extensions are not available from manufacturer, supplier or installer, M/C shall provide labor, parts and material warranty services equal to the requirements of these specifications and the terms of the manufacturer, supplier and installer warranties.

- C. M/C warrants to Owner and Architect that on receipt of written notice from either of them within one year warranty period following date of acceptance all defects that have appeared in materials and /or workmanship, shall be promptly corrected to condition required by contract documents at M/C's expense.
- D. The above warranty shall not supersede any separately stated warranty or other requirements required by law or by these specifications.

I.10 MATERIALS, EQUIPMENT AND SUBSTITUTION

- A. The intent of these specifications is to allow ample opportunity for M/C to use his ingenuity and abilities to perform the work to his and the Owner's best advantage, and to permit maximum competition in bidding on standards of materials and equipment required.
- B. Material and equipment installed under this contract shall be first class quality, new, unused and without damage.
- C. In general these specifications identify required materials and equipment by naming first the manufacturer whose product was used as the basis for the project design and specifications. The manufacturers product, series, model, catalog and/or identification numbers shall set quality and capacity requirements for comparing the equivalency of other manufacturer's products. Where other manufacturer's names are listed they are considered an approved manufacturer for the product specified, however, the listing of their names implies no prior approval of any product they may propose to furnish as equivalent to the first named product unless specific model or catalog numbers are listed in these specifications or in subsequent addenda. Where other than first named products are used for M/C's base bid proposal it shall be his responsibility to determine prior to bid time that his proposed materials and equipment selections are products of approved manufacturers, that will meet or exceed the specifications and are acceptable to the D/E.
- D. Where materials or equipment are described but not named, provide required items of first quality, adequate in every respect for intended use. Such items shall be submitted to A/E for review prior to procurement.
- E. Prior to receipt of bids, if M/C wishes to incorporate products other than those named in Specifications in his bid, he shall submit a written request for review of substitutions to D/E not less than **five working days** prior to bid date. D/E will review requests and acceptable items will be listed in an addendum issued to principal bidders.
- F. Materials and equipment proposed for substitutions shall be equal to or superior to that specified in construction, efficiency, utility, aesthetic design, and color as determined by A/E whose decision shall be final and without further recourse. Physical size of substitute brand shall be no larger than space provided including allowances for access for installation and maintenance. Requests must be accompanied by two copies of complete descriptive and technical data including E/M's name, model, and catalog number, photographs or cuts, physical dimensions, operating characteristics and any other information needed for comparison.
- G. In proposing a substitution prior to or subsequent to receipt of bids, include in such proposal cost of altering other elements of Project, including adjustments in mechanical-electrical service requirements necessary to accommodate such substitution; whether such affected elements be under this contract or under separate contracts.
- H. Within seven working days after bids are received, apparent low bidder shall submit to A/E for approval three copies of a list of all major items of equipment he intends to provide. As soon as practicable and within 30 working days after award of Contract, M/C shall submit shop drawings for equipment and

materials to be incorporated in work, for A/E review. Where 30 day limit is insufficient for preparation of detailed shop drawings on major equipment or assemblies, M/C shall submit manufacturer's descriptive catalog data and indicate date such detailed shop drawings will be submitted along with manufacturer's certification that order was placed within 30 working day limit.

- I. After execution of contract, substitution of product brands for those named in Specifications will be considered, only if; 1) request is received within thirty days after Contract date and request includes statement showing credit due Owner, if any, if substitution products are used, or 2) Owner requests consideration be given to substitute brands.

I.11 SHOP DRAWINGS, OPERATION AND MAINTENANCE INSTRUCTION

- A. M/C shall furnish a minimum of eight sets of shop drawings of all materials and equipment, A/E will retain four sets.
- B. Where catalog cuts are submitted for review, conspicuously mark or provide schedule of equipment, capacities, controls, fittings, sizes, etc. that are to be provided. Mark each submitted item with applicable section and paragraph numbers of these specifications, OR PLAN SHEET NUMBER when item does not appear in specifications. Where equipment submitted does not appear in base specifications of specified equivalent, mark submittals with applicable alternate numbers, change order numbers, change order number or letters of authorization. Each submittal shall contain at least two sets of original catalog cuts. Each catalog sheet shall bear E/M's name and address. All shop drawings on materials and equipment listed by UL shall indicate UL approval on submittal.
- C. M/C shall check all shop drawings to verify that they meet specifications and/or drawing requirements before forwarding submittals to the A/E for their review. All shop drawings submitted to A/E shall bear M/C approval stamp which shall indicate that M/C has reviewed submittals and that they meet specification and/or drawing requirements. M/C's submittal review shall specifically check for but not be limited to the following: equipment capacities, physical size in relation to space allowed; electrical characteristics, provisions for supply, return and drainage connections to building systems. All shop drawings not meeting M/C's approval shall be returned to his supplier for resubmittal.
- D. No shop drawings submittals will be considered for review by the A/E without M/C's approval stamp, or that have extensive changes made on the original submittal as a result of Contractor's review. All comments or minor notations on shop drawings shall be flagged as follows to indicate originator of comment or notation: 1 Contractor, 2 Construction Manager, 3 Architect, 4 Engineer.
- E. A/E will not be responsible for the cost of returning shop drawing submittals that are submitted to them without M/C's review and approval stamp. A letter will be sent to M/C by either the Architect or Engineer indicating receipt of an improper submittal. M/C shall acknowledge receipt of letter and indicate his plans for pick-up or resubmitting. A/E will hold improper submittals for pick-up by M/C or supplier for 15 working days after date of receipt. If not picked up by the 16th working day, submittals will be disposed of by A/E.
- F. A/E's review of shop drawings will not relieve M/C of responsibility for deviations from drawings and specifications unless such deviations have been specifically approved in writing by Owner of his representative, nor shall it relieve M/C of responsibility for errors in shop drawings. No work shall be fabricated until A/E's review has been obtained. Any time delay caused by correcting and resubmitting shop drawings will be M/C's responsibility.
- G. Operating and Maintenance Instructions:
 - I. Submit with shop drawings of equipment three copies of installation, operating, maintenance instructions, and parts lists for equipment provided. Instructions shall be prepared by E/M.

2. Keep in safe place, keys and wrenches furnished with equipment under this contract. Present to Owner and obtain a receipt for same upon completion of project.
3. Prepare a complete brochure, covering systems and equipment provided and installed under this contract. Submit brochures to A/E for review before delivery to Owner. Contractor at his option may prepare this brochure or retain an individual to prepare it for him. Include cost of this service in bid. Brochures shall contain following:
 4. Certified equipment drawings and/or catalog data with equipment provided clearly marked as outlined under this specification.
 5. Complete installation, operating, maintenance instructions and parts lists for each item of equipment.
 6. Special emergency operating instructions with a list of service organizations (including addresses and telephone numbers) capable of rendering emergency service to various parts of mechanical systems.
- H. Provide brochures bound in Wilson-Jones No. 133-367-49 or National No. 132-87-784 black vinyl three-ring binders with metal hinge. Reinforce binding edge of each sheet of looseleaf type brochure to prevent tearing from continued usage. Clearly print on label insert of each brochure:
 1. Project name and address.
 2. Section of work covered by brochure, i.e., "Heating Ventilating and Air Conditioning", and "Plumbing" etc.

I.12 RECORD DOCUMENTS

- A. Record Drawings: Maintain a reproducible set of contract drawings and shop drawings in clean, undamaged condition, with mark-up of actual installations which vary substantially from the work as originally shown. Mark whichever drawing is most capable of showing "field" condition fully and accurately; however, where shop drawings are used for mark-up, record a cross-reference at corresponding location on working drawings. Mark with red erasable red pencil and, where feasible, use other colors to distinguish between variations in separate categories of work. Markup new information which is recognized to be of importance to Owner, but was for some reason not shown on either contract drawings or shop drawings. Give particular attention to concealed work, which would be difficult to measure and record at a later date. Note related change-order numbers where applicable. Organize record drawing sheets into manageable sets, bind with durable paper cover sheets, and prints suitable titles, dates and other identification on cover of each sheet.
- B. Record Specifications: Maintain one copy of specifications, including addenda, change orders, and similar modifications issued in printed form during construction, and mark-up variations (of substance) in actual work in comparison with text of specifications and modifications as issued. Give particular attention to substitutions, selection of option, and similar information on work where it is concealed or cannot otherwise be readily discerned at a later date by direct observation. Note related record drawing information and product data, where applicable. upon completion of mark-up submit to Architect/Engineer for Owner's records.
- C. The contractor shall provide a full set of photographs showing all underground equipment. The photographs shall be taken prior to any concrete being poured. The underground equipment shall consist of, but not be limited to, piping, conduits, ductwork.
- D. The contractor shall provide the photographs in an 8.5" x 11" format for record keeping purposes with the maintenance manuals. The photos shall all be digital and a disk or C.D. shall be provided to the Owner as a permanent record.

I.13 ELECTRICAL REQUIREMENTS

- A. Consult Section 24 of electrical specifications for work to be provided by E/C in conjunction with installation of mechanical equipment.
- B. Electrical work required to install and control mechanical equipment which is not shown on plans or specified under Section 24 shall be included in M/C's base bid proposal,
- C. The cost of larger wiring, conduit, control and protective devices resulting from installation of equipment which was not used for basis of design as outlined in Article 15A-10g of specifications shall be paid by M/C at no cost to Owner or A/E.
- D. M/C shall be responsible for providing supervision to E/C to insure that required connections, interlocking and interconnection of mechanical and electrical equipment are made to attain intended control sequences and system operation.
- E. Furnish six complete sets of electrical wiring diagrams to A/E and three complete sets to E/C. Diagrams shall show factory and field wiring of components and controls. Control devices and field wiring to be provided by E/C shall be clearly indicated by notation and drawing symbols on wiring diagrams.
- F. M/C shall obtain complete electrical data on mechanical shop drawings and shall list this data on an approval form which shall be presented monthly, or on request, to E/C. Data shall be complete with wiring diagrams received to date and shall contain necessary data on electrical components of mechanical equipment such as HP, voltage, amperes, watts, locked rotor current to allow E/C to order electrical equipment required in his contract.
- G. Safety disconnect switches and manual and magnetic motor starters shall be provided by E/C. Exceptions will be allowed where mechanical equipment is provided with these devices installed as part of factory built control systems.

I.14 SEISMIC REQUIREMENTS

- A. All materials and workmanship shall specifically comply with the above listed Building Code with respect to seismic requirements for the support and anchorage of all mechanical systems and equipment as installed on this project. Lateral forces to be restrained shall be as required by IBC Section 1613 Architectural, Mechanical, and Electrical Component Seismic Design Requirements and ASCE 7-05 Section 11 and 13 Architectural, Mechanical, and Electrical Components and Systems with the following design parameters:

Site Class (ASCE 7-05, Table 11.4-1 and 11.4-2)	D
- Seismic Use Group	II
- Seismic Design Category	D
- Component Importance Factor (Ip)	1.0
Fire Protection (Ip)	1.5
- Spectral Acceleration, Short period (S _{DS})	.27
- Component Amplification Factor (Ap)	ASCE 7-05 Table 13.6-1

- Component Seismic Coefficient (R_p) ASCE 7-05 Table 13.60I

- Operating Component Weight (W_c) Actual

- B. All piping support and restraint details and practices shall conform to the publication "Seismic Restraint Manual Guidelines for Mechanical Systems" by SMACNA, 2008 Edition, and/or "Seismic Restraints" by B-Line systems, Inc.
- C. Contractor shall prepare a submittal package of materials to be used for seismic restraint. Contractor shall be required to only use those materials submitted and approved.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

PART 4 - EXHIBITS

4.1 EXHIBIT A

- A. SUBSTITUTION REQUEST FORM following the end of this section.

END OF SECTION 220100

EXHIBIT A - SUBSTITUTION REQUEST FORM

Return completed substitution request form with supporting data five (5) working days prior to bid date. Engineer reserves the right to refuse consideration of requested substitutions submitted less than five (5) working days prior to bid date. Substitution request will not be considered without supporting data.

Specification Section: _____ Page: _____ Paragraph _____

Drawing Detail No. / Sheet No. _____ Description: _____

Specified Manufacturer / Model No.: _____

Substitute Manufacturer / Model No.: _____

Attach supporting data including:

- A product description, specifications, drawings, photographs, samples, capacities at design conditions, reports, and test data adequate for evaluation of the request.
 - A description of changes to the Contract Documents that the proposed substitution will require for its proper installation.
 - Location of substitution manufacturer's nearest factory certified service office.
-

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on mechanical, plumbing, fire sprinkler, electrical, or other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution, errors in attached supporting data, or insufficient supporting data for thorough review.

Substitution request submitted by: _____

Signed by: _____

Firm: _____

Address: _____

Telephone: _____ Fax: _____

Engineer's Review:

<input type="checkbox"/> Substitution accepted	<input type="checkbox"/> Substitution rejected
<input type="checkbox"/> Substitution accepted as noted	<input type="checkbox"/> Substitution request received too late

Remarks: _____

Acceptance of requested substitution does not relieve the proposed substitution from submittal/shop drawing review and does not constitute prior approval of proposed substituted materials or equipment.

Signed by: _____ Date: _____

SECTION 220500 – BASIC MECHANICAL MATERIALS AND METHODS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 01 Specification Sections and section 220100 - General Mechanical Requirements shall apply to this Section.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.1 CUTTING AND PATCHING:

- A. M/C shall do cutting and patching of building materials required for installation of work herein specified. Cut no structural members without Architect's approval and in a manner approved by him.
- B. Patching shall be by mechanics of particular trade involved and shall meet approval of Architect.
- C. Drilling and cutting of openings through building materials requires Architect's review and approval. Make openings in concrete with concrete hole saw or concrete drill. Do not use star drill or air hammer for this work.

3.2 PIPE SLEEVES:

- A. Provide proper type and size pipe sleeves and install in walls or floors and where otherwise noted. Sleeves are not required for supply and waste piping through wall supporting plumbing fixtures or for cast iron soil pipe passing through concrete slab on grade except where penetrating a membrane waterproof floor.
- B. Each sleeve shall be continuous through wall, floor or roof and shall be cut flush on each side except where indicated otherwise. Sleeves shall not be installed in structural member except where indicated or approved. Sleeves shall be required through floors subject to flooding such as toilet rooms, equipment rooms and kitchens. The contractor shall have the option of:
- C. Providing a cast iron sleeve with integral flanges extending 1 inch above finished floor. Sleeve shall be cast in concrete when floor is poured. Annular space between sleeve and pipe shall be filled with Kaowool.

or
- D. Provide core-drilled opening in concrete with Thunderline Link-Seal or Calpico Sealing Linx between piping and opening.
- E. Sleeves passing through floors with waterproof membranes shall be core-drilled and sealed with Thunderline Link-Seal or Calpico Sealing Linx.
- F. Sleeves passing through walls with waterproof membranes shall be sealed with Thunderline Link-Seal or Calpico Sealing Linx.
- G. Pipe insulation shall run continuous thru pipe sleeves with 1/4" minimum clearance between insulation and pipe sleeve. Provide metal jackets over insulated pipes passing thru fire walls, floors and smoke partitions. Jacket shall be 0.018 stainless steel extending 12 inches on either side of barrier and secured

to insulation with 3/8" wide band. Provide Kaowool fire master bulk packing between sleeve and metal jacket. Packing thickness shall be sized per manufacturers recommendation for maintaining the integrity, of the fire wall/floor or smoke partition. Fire protection system shall be rated per ASTM E 119. Equivalents to Kaowool are 3M, Flame Stop or Flame Safe.

- H. Where piping passes through walls serving as air plenums or chases, seal annular space between pipe and sleeve air tight with Kaowool Firemaster Bulk Packing.

3.3 OPENINGS:

- A. This Contractor shall include the installation of all boxes and sleeves for openings required to install this work, excepting only structural openings incorporated in the structural drawings. Sleeves shall be installed for all pipes passing through structural slabs and walls. He shall set and verify the location of sleeves as shown on structural plans that pass through beams, only if so shown.
- B. Penetrations in walls for sheet metal ducts shall be sealed by the M/C by stuffing glass fiber into the cracks between the walls, and floors and the ducts. The exposed joints shall then be caulked on each side with non-hardening caulking such as "Tremco Acoustical Sealant". This work applies to all walls in buildings.

3.4 MUTILATION:

- A. Mutilation of building finishes, caused by installation of mechanical equipment, fixtures, piping and other mechanical devices shall be repaired at M/C's expense to approval of Architect.

3.5 EXCAVATION AND BACKFILL:

- A. Perform necessary excavating to receive work. Provide necessary sheathing, shoring, cribbing, tarpaulins, etc. as required and remove same at completion of work. Perform excavation in accordance with appropriate section of these specifications, and in compliance with OSHA Safety Standards.
- B. Excavate trenches of sufficient width to allow ample working space, and no deeper than necessary for installation work.
- C. Conduct excavations so no walls or footings are disturbed or injured. Backfill excavations made under or adjacent to footings with selected earth or sand and tamp to compaction required by A/E. Mechanically tamp backfill under concrete and pavings in 6 inch layers to 95% standard density.
- D. Backfill trenches and excavations to required heights with allowance made for settlement. Tamp fill material thoroughly and moistened as required for specified compaction density. Dispose of excess earth, rubble and debris as directed by Architect.
- E. When available, refer to test hole information on Architectural drawings or specifications for types of soil to be encountered in excavation in base bid.

3.6 WELDING:

- A. Contractor shall be responsible for quality of welding and suitability of welding procedures. All welding shall be in accordance with American Welding Society Standard B3.0 and ANSI Standards B31.1.
- B. Welding shall be done only by welders who have successfully passed welder qualification tests in previous 12 months for type of welding required. Each welder shall identify his work with a code marking before starting any welded pipe fabrication. Contractor shall submit three copies of a list of welders who will work on project listing welders code, date and types of latest qualifications test passed by each welder.

- C. Welded joints shall be fusion-welded in accordance with Level AR3 of American Welding Society Standard AWS D10.9 "Standard for Qualification of Welding Procedures and Welders for Pipe and Tubing". Welders qualified under National Certified Pipe Welding Bureau will be acceptable.
- D. Bevel all piping and fittings in accordance with recognized standards by flame cutting or mechanical means. Align and position parts so that branches and fittings are set true. Make changes in direction of piping systems with factory made welding fittings. Make branch connections with welding tees or forged weldolets.

3.7 SETTING, ADJUSTMENT AND EQUIPMENT SUPPORTS:

- A. Work shall include mounting, alignment and adjustment of systems and equipment.
- B. Set equipment level on adequate foundations and provide proper anchor bolts and isolation as shown, specified or required by E/M's installation instructions.
- C. Provide concrete bases for all floor and slab mounted equipment. Refer to drawings for required base type and size. Provide 3 1/2" high base where base is not shown on drawings.

3.8 PAINTING OF MATERIALS AND EQUIPMENT:

- A. Equipment and materials exposed to interior dry environment shall have a minimum of one primer and one finish coat. Equipment and materials mounted in exterior location shall have a minimum of one primer and two finish coats with total thickness of at least 5 mils. Finish coat colors in finish areas shall be as selected by A/E.
- B. After installation, damage to painted surfaces shall be properly prepared and primed with primers equal to factory materials. Finish coating shall be same color and type as factory finish.
- C. Where extensive refinishing of factory applied finishes are required equipment shall be completely repainted. A/E will make final determination on extent of refinishing required.
- D. Paint all exterior natural gas piping with one primer coat and two finish coats.

3.9 MAINTENANCE OF SYSTEMS:

- A. M/C shall be responsible for operation, maintenance and lubrication of equipment installed under his contract.

3.10 FILTERS:

- A. Provide temporary MERV 8 throw-away filters in all permanent heating and air conditioning equipment systems and the return ductwork being utilized during construction. Prior to testing and balancing systems remove temporary filter media and install clean unused filters of the type specified. Clean filters shall be installed in equipment for final acceptance inspection by A/E.
- B. Final filters shall have a MERV 13 rating equal to Farr AP thirteen.

3.11 ACCESS PANELS:

- A. Milcor, Wade or Zurn access panels shall be provided wherever necessary to provide access to valves, traps, etc., located in concealed spaces. Each fire damper, automatic splitter damper, etc., shall have an access panel. Size shall be adequate for inspection and removal of equipment and none shall be less than 12" x 6".

- B. Duct Access Doors: Doors shall be equivalent to CESCO Model I4AD-5. Frame shall not be less than 22 gauge galvanized steel, with 24 gauge door panels. Doors shall have minimum 1" thick insulation, PVC foam tape gaskets, zinc plated steel continuous type hinge and latches. Equivalent by Nailor.
- C. Mechanical Wall Access Doors: Doors shall be equivalent to CESCO Model FW-SS, all purpose access panel. Frame shall be 16 gauge stainless steel #304, with 14 gauge stainless steel #304 frame. The hinge shall be continuous stainless steel – concealed. The latch shall be flush mounted screwdriver operated cam latch. The finish shall be #304 stainless steel with a #4 satin finish.
- D. Fire Rated Wall/Ceiling Access Door: Doors shall be equivalent to CESCO model FB. Frame shall be 16 gauge galvanized bonderized steel and 20 gauge galvanized bonderized steel. Hinges shall be continuous, galvanized steel with stainless steel pin and a key-operated latch. Provide automatic type door closure. Door shall have a UL rating to match rating of wall/ceiling rating.

3.12 CLEANING AND FLUSHING HEATING HOT WATER SYSTEMS:

- A. The heating hot water system for project shall be thoroughly cleaned before placing in operation to rid system of dirt, piping compound, mill scale, oil and any other foreign material.
- B. After system is complete, the Contractor shall fill piping loop and all runouts with clear water. For this purpose supply and return runouts shall be temporarily connected together at each air handling and fan coil unit location. There shall be no water flow through air handling and fan coil unit. Loop water shall be circulated for one hour with make up water open and drain open to accomplish initial flushing of system.
- C. After initial flushing, individual air handling and fan coil, etc. units shall be connected permanently to supply and return runouts and system filled for operation under normal closed loop conditions. Contractor shall add trisodium phosphate in an aqueous solution to system at rate of one pound per fifty gallons of water in system. After system is filled with this solution, system water shall be brought up to 95 degrees F temperature and allowed to circulate for two hours. System shall then be drained completely and refilled with fresh water.
- D. After system has been completely cleaned as specified herein, it shall be tested by litmus paper or other dependable method and shall be left slightly alkaline side (pH 7.5). If system is found to be still on the acid side, cleaning by use of trisodium phosphate shall be repeated.
- E. System Additives - M/C shall not add any "stop- leak" compounds to the system.
- F. Provide same cleaning and flushing as outlined above for the heating hot water system.

3.13 CLEANING OF SYSTEM AND EQUIPMENT:

- A. After pressure testing of systems and equipment and before operational test thoroughly clean interiors of piping and equipment.
- B. Clean equipment as recommended by manufacturers. Where specific instructions are not provided by equipment manufacturer clean equipment systems as follows:
- C. Air Handling System: Before starting any air system clean all debris, foreign matter and construction dirt from air system and fan. Provide equipment requiring filters, such as air handling units, fan coil units, blowers, etc., with throwaway filters specified under this specification. After cleaning air system install temporary filters and run continuously for 8 hours at full volume.

3.14 STERILIZATION OF DOMESTIC WATER SYSTEM:

- A. After final pressure testing of distribution system thoroughly flush entire system with water until free of dirt and construction debris. Fill system with solution of liquid chlorine or hypochlorite of not less than 50 PPM. Retain treated water in system until test indicate non- spore-forming bacteria have been destroyed or for 24 hours whichever is greater.
- B. All points in systems shall have at least 10 PPM of solution at end of retention period. Open and close each valve at least six times in system during sterilization to sterilize valve parts.
- C. When time and concentration conditions have been met, drain system and flush with fresh domestic water until residual cleaning solution is less than 1.0 PPM. Open and close each valve in system six times during flushing operation.
- D. Test samples taken from several points in system shall indicate absence of pollution for two full days. Repeat sterilization as required. Acceptance of system will not be given until satisfactory bacteriological results are obtained.

3.15 START-UP, CHANGE-OVER, TRAINING AND OPERATIONAL CHECK:

- A. M/C shall perform initial start-up of systems and equipment and shall provide necessary supervision and labor to make first seasonal changeover of systems. Personnel qualified to start-up and service this equipment, including E/M's technicians when specified, and Owner's operating personnel shall be present during these operations.

3.16 PRE-FINAL AND FINAL CONSTRUCTION REVIEW:

- A. At M/C's request, A/E will make pre-final construction review to determine if to the best of their knowledge project is completed in accordance with plans and specifications. Items found by A/E as not complete or not in accordance with requirements of contract will be outlined in report to M/C. After completion and/or correction of these items M/C shall notify Architect he is ready for final review.
- B. All necessary system adjustments including air and water systems balancing shall be completed and all specified records and reports submitted in sufficient time to be received by A/E at least ten working days prior to date of final construction review.
- C. At final construction review, M/C and his major subcontractors shall be present or shall be represented by a person of authority. Each Contractor shall demonstrate, as directed by A/E, that his work complies with purpose and intent of plans and specifications. Respective Contractor shall provide labor, services, instruments or tools necessary for such demonstrations and tests.

END OF SECTION 220500

SECTION 220600 – HANGERS AND SUPPORTS**PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 01 Specification Sections, section 220100 - General Mechanical Requirements, section 220500 – Basic Mechanical Materials and Methods shall apply to this Section.
- B. Provide and be responsible for location of piping hangers, supports and inserts, etc., required for installation of piping under this contract. Design of hangers and supports shall conform to current issue of Manufacturer's Standardization Society Specification (MSS) SP-58.

PART 2 - PRODUCTS**2.1 PIPE HANGERS AND SUPPORTS:**

- A. Pipe hangers shall be capable of supporting piping in all conditions of operation. They shall allow free expansion and contraction of piping, and prevent excessive stress resulting from transferred weight being induced into pipe or connected equipment. Support horizontal or vertical pipes at locations of least vertical movement.

- B. Unless indicated otherwise on drawings support horizontal steel piping as follows:

PIPE SIZE	ROD DIAMETER	MAXIMUM SPACING
Up to 1 1/4"	3/8"	8 ft.
1 1/2" to 2"	3/8"	10 ft.
2 1/2" to 3 1/2"	1/2"	12 ft.
4" to 5"	5/8"	15 ft.
6"	3/4"	17 ft.
8" to 12"	7/8"	22 ft.

- C. Unless indicated otherwise on drawings support horizontal copper tubing as follows:

NOM. TUBING SIZE	ROD DIAMETER	MAXIMUM SPACING
Up to 1"	3/8"	6 ft.
1 1/4" and 1 1/2"	3/8"	8 ft.
2"	3/8"	9 ft.
2 1/2"	1/2"	9 ft.
3" and 4"	1/2"	10 ft.

- D. Provide continuous threaded hanger rods wherever possible. No chain, wire, or perforated straps shall be used. Hanger rods shall be subjected to tensile loading only, where lateral or axial pipe movement occurs provide suitable linkage to permit swing. Provide pipe support channels with galvanized finish for concealed locations and painted finish for exposed locations. Submit design for multiple pipe supports indicating pipe sizes, service and support details to Architect- Engineer for review prior to fabrication.

- E. Provide Anvil pipe hangers for vertical pipe risers as follows:

PIPE MATERIAL	PIPE SIZE	HANGER FIG. NO.
Copper	1/2" thru 4"	CT-121
Steel	3/4" thru 20"	261

- F. Provide Anvil Fig. 194, 195, 199 steel wall brackets for piping suspended or supported from walls. Brackets shall be prime coated carbon steel.
- G. Provide Anvil Fig. 167 protection shields sized so that line compressive load does not exceed one-third of insulation compressive strength. Shield shall be galvanized steel and support lower 180 degrees of pipe insulation. Omit copper plating on hangers mounted outside insulation on copper tubing.
- H. Structural Attachments for pipe hangers shall be as follows:
 - 1. Concrete Structure: Provide Grinnell Fig. 285 concrete insert for loads up to 400 lbs. and Grinnell Fig. 281 wedge type concrete insert for loads up to 1200 lbs.
 - 2. Steel Beam Structure: Provide Grinnell Fig. No. 86 malleable iron C-clamp for pipe size 2" and smaller and Grinnell Fig. 229 malleable iron beam clamp for pipe size 2-1/2" and larger.

PIPE MATERIAL	PIPE SIZE	HANGER FIG NO.
Copper	1/2" thru 4"	CT-65*
Steel	3/8" thru 4"	65
Steel	5" thru 30"	260

- I. Provide Anvil Fig. 45 channel trapeze pipe hangers for horizontal multiple pipe runs with pipe clamps or pipe rollers as follows:

PIPE MATERIAL	PIPE SIZE	CLAMP NO.	ROLLER NO.
Copper	3/8" thru 4"	PS1100*	PS1901
Steel	3/8" thru 6"	PS1100	PS1902

*Copper Plated

- J. Provide necessary structural steel and attachment accessories for installation of pipe hangers and supports. Where heavy piping loads are to be attached to building structure verify structural loading with A/E prior to installation.

2.2 EQUIPMENT ANCHORS:

- A. Anchors shall be proper type and size recommended by manufacturer for equipment to be anchored.

2.3 CONCRETE INSERTS AND ANCHORS:

- A. Provide concrete inserts for attaching piping and equipment as follows:
- B. In new construction where attachment points can be predetermined provide PHD Fig. 950 continuous concrete insert of Fig. 950N Universal Steel Concrete insert.
- C. In existing construction or new construction where attachment points can not be located before setting concrete forms provide McCulloch Kwik-Bolt or Phillips red head concrete anchors of proper type for attachments.

PART 3 - EXECUTION

3.1 PIPE HANGERS AND SUPPORTS

- A. Where horizontal piping movements are such that hanger rod angularity from vertical is greater than 4 degrees from cold to hot position of pipe, offset hanger, pipe, and structural attachments so that rod is vertical in hot position. Hangers shall not become disengaged by movements of supported pipe.

- B. Provide sufficient hangers to adequately support piping system at specified spacing at changes in piping direction and at concentrated loads. Hangers shall provide for vertical adjustments to maintain pitch required for proper drainage and for longitudinal travel due to expansion and contraction of piping. Fasten hangers to building structural members wherever practicable.
- C. Hangers in direct contact with copper pipe or tubing shall be copper plated.
- D. Support horizontal cast iron soil pipe with one hanger for each joint located close to hub.
- E. Support plastic piping as recommended by piping manufacturer.
- F. Support vertical cast iron soil pipe and PVC pipe at every floor and steel and copper tubing at every other floor except where indicated otherwise on drawings.
- G. Mount hangers for insulated piping on outside of pipe, hangers sized to allow for full thickness of pipe insulation.

END OF SECTION 220600

SECTION 220800 – PIPING INSULATION

PART 1 - GENERAL

I.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 01 Specification Sections, section 220100 - General Mechanical Requirements, section 220500 – Basic Mechanical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS

2.1 PIPING INSULATION:

- A. Provide necessary materials and accessories for installation of insulation for plumbing and mechanical systems as specified and/or detailed on drawings insulation type, jacket, and thickness for specific piping systems or equipment shall be as listed in insulation schedule.
- B. Provide insulation materials manufactured by Certain Teed, Knauf, Dow Chemical, Johns Manville or Owen/Corning Fiberglas.
- C. Insulation, except where specified otherwise, shall have composite fire and smoke hazard ratings as tested by ASTM E-84, NFPA 255, and UL 723 procedures not exceeding:

FLAME SPREAD	25
SMOKE DEVELOPED	50
FUEL CONTRIBUTED	50

- D. Provided insulation accessories such as adhesives, mastics, cements, tape and glass fabric with same component ratings as listed above. Products or their shipping cartons shall bear label indicating their flame and smoke ratings. Treatment of jackets or facings for impart flame and smoke safety shall be permanent. Use of water soluble treatments such as corn paste or wheat paste is prohibited. This does not exclude approved lagging adhesives.
- E. Where glass is specified in the following insulation methods provide resin impregnated with open weave glass fabric with 10/20 thread count.
- F. Abbreviations for manufacturers of adhesives, mastics and coating specified shall be C.M. for Chicago Mastic Company and B.F. for Benjamin Foster Company.
- G. Pipe insulation materials and application methods by type shall be as follows:
 - I. Elastomeric: Insulation for cold surface piping system with -40 degrees F to +220 degrees F operating temperature range shall be Armstrong AP Armaflex Elastomeric Pipe insulation average thermal conductivity shall not exceed 0.27 BTU/Hr. at 75 degrees F mean temperature. To greatest extent possible apply insulation without longitudinal joint by slipping insulation over piping. Seal all seams and butt joints with Armstrong 520 adhesive. Insulate fittings as follows:
 - a. Insulate fittings with Miter-Cut pieces of AP Armaflex pipe insulation equal to thickness of adjoining pipe insulation. Insulate fittings too large to cover with pipe insulation with insulation from fabricated Armaflex sheet insulation using Armstrong templates. Join and seal all fittings joints with Armstrong 520 adhesive. Finish insulation as soon as possible with two coats of Armstrong Armaflex vinyl- lacquer finish in color selected by Architect. All insulation used outdoors shall be painted to prevent ultra violet deterioration of insulation. All exterior chilled water piping shall be clad with aluminum jacket.

2. Fiberglass: Insulation for hot and cold surface piping systems with -60 degrees F to +850 degrees F operating range shall be Owens-Corning Fiberglas 25 pipe insulation with white fire retardant ASJ jacket. Average 75 degrees F mean temperature. Seal longitudinal jacket laps and butt strips with C.M. No. 17-465 or B.F. No. 85-75 vapor barrier adhesive. Insulate valves and fittings as follows:
 - a. Insulate exposed and concealed valves and fittings with PVC premolded fitting covers. Provide "Zeston" Series 300 fitting covers as manufactured by Johns Manville.
- H. Insulation materials and application methods for piping hangers supports, anchors, guides, expansion joints, etc., shall be as follows:
1. Insulate hangers and supports from direct contact with cold surfaces with Styrofoam HD- 300 plastic foam inserts of half or full sections of premolded pipe insulation equal in thickness to adjoining insulation. Provide inserts with vapor barrier jacket for lapping 2" over adjacent pipe insulation jacket. Protect insulation with insulation shields supporting lower 180 degrees of pipe insulation sized so that pipe compressive load does not exceed one third of insulation insert compressive strength. Seal joints with vapor barrier sealer specified for insulation type used.
 2. Insulate pipe anchors in direct contact with cold piping for a distance of 12" or as detailed on drawings from contact point with piping. Anchor insulation shall be one half the thickness of adjoining pipe insulation with vapor barrier. Seal and finish joints with vapor barrier sealer specified for insulation type used.
 3. Insulate pipe guides from direct contact with cold surfaces piping with Styrofoam HD-300 plastic foam full section inserts of premolded pipe insulation equal in thickness to adjoining pipe insulation. Provide inserts with vapor barrier jacket for overlapping 2" over adjoining pipe insulation. Insert jacket shall be equal in performance and appearance to adjacent insulation jacket. Seal and finish joints with vapor barrier sealer specified for insulation type used.
 4. Insulate pipe expansion joints on cold surface piping with over-sized section of premolded pipe insulation equal in thickness to adjoining pipe insulation. Cover shall float free one end with expansion and contraction of piping system. Seal free end with 4 mil thick PVC vinyl sheet attached to adjoining insulation. Provide sufficient slack in vinyl material to allow for maximum pipe movement.
 5. Where piping hanger can not be isolated from cold pipe surfaces insulate piping at hanger locations with extra thickness of pipe insulation. Insulate hanger rod to point 12" above pipe with minimum insulation thickness equal to one-half thickness of pipe insulation. Seal and finish joints with vapor barrier sealer specified for insulation type used.
 6. Insulate floor supports in direct contact with cold surface piping with Armstrong 1/2" thick Armstrong FR/Armaflex pipe or sheet insulation as required by surface. Insulate supports from pipe to floor plate and seal insulation joints with Armstrong No. 520. Finish insulation with Armstrong Armaflex vinyl-lacquer finish.
 7. Refer to PIPING INSULATION SCHEDULE on plans

PART 3 - EXECUTION

- 3.1 Install insulation over clean dry surfaces with joints firmly butted together. Insulation at equipment, flanges, fittings, etc., shall have straight edges with box type joints with corner beads as required. Where plumbing and heating insulation terminates at equipment or unions, taper insulation at 30 degrees angle to pipe with one coat finishing cement and finish same as fittings. Total insulation system shall have neat smooth appearance with no wrinkles, or folds in jackets, joint strips or fitting covers. Seal butt joints at

maximum intervals of 45 feet to prevent vapor barrier failures from being transmitted to adjoining insulation sections.

- 3.2 Undamaged insulation systems on cold surface piping and equipment shall perform their intended functions as vapor barriers and thermal insulation without premature deterioration or vapor barrier. Contractor shall take every reasonable precaution to provide insulation systems with continuous unbroken vapor barriers.
- 3.3 All pipe insulation shall be continuous through walls, ceiling or floor openings, or sleeves; except where firestop or firesafing materials are required.
- 3.4 Insulation of removable heads and valves, manholes access covers, HVAC and plumbing pumps, etc., shall be fabricated to allow removal without damage to insulation. Provide removable units with vapor-proof cover fabricated to be sealed to equipment vapor barrier.
- 3.5 Insulation failing to meet workmanship and appearance standards shall be replaced with an acceptable installation before final acceptance of project will be given. Insulation failing to meet performance requirements of this specification for a period of one year after date of final acceptance or through one heating season and one cooling season, whichever is longer shall be replaced with an acceptable installation. All costs to correct insulation deficiencies and costs to repair damages to other work shall be at M/C's expense at not cost to Owner.

END OF SECTION 220800

220850 – DUCTWORK INSULATION

PART 1 - GENERAL

I.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division I Specification Sections, section 220100 - General Mechanical Requirements, section 220500 – Basic Mechanical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS

2.1 DUCTWORK INSULATION:

- A. Provide necessary materials and accessories for installation of interior and exterior ductwork insulation as specified and/or details on drawings. Insulation type and thickness for specific ductwork systems shall be as listed in Ductwork Insulation Schedule.
- B. Provide insulation materials manufactured by Armacell Co., CertainTeed, Johns Manville or Knauf.
- C. Insulation and application adhesives, except where specified otherwise, shall have fire and smoke hazard rating as tested by ASTM E-84 procedure not exceeding:

FLAME SPREAD	25
SMOKE DEVELOPED	50
FUEL CONTRIBUTED	50

- D. Abbreviations for manufacturers of adhesives, insulating cements and coating specified shall be C.M. for Chicago Mastic Company, B.F. for Benjamin Foster Company and 3M for 3M Company. Average thermal conductivity is expressed in BTU/Hr./Sq.Ft./degrees F/in.
- E. Install interior duct liner insulation cut to insure tight fitting corner, and longitudinal joints. Apply liner to sheet metal with 100% coverage of C.M. No. 17-477, B.F. No. 81-18 or 3M manufacturers recommended applications rate. Coat all edges of liner with adhesive. Provide mechanical fasteners on surfaces 18" or wider in addition to liner adhesive with fastener clips set flush with duct liner surface. Provide fasteners as follows:
- F. Low Velocity Ductwork (Velocities less than 2000 FPM): Provide fasteners within 3" of leading edge of each section 12" O.C. around joint perimeter and 3" from longitudinal joints 12" O.C. Elsewhere space fasteners 18" O.C. except not more than 6" from longitudinal joints or 12" from corner break.
- G. Provide concealed rectangular or round ductwork with exterior thermal insulation of type and thickness listed in schedule. Apply insulation to duct with C.M. No. 17477 or B.F. No. 85-20 adhesive. Provide mechanical fasteners 18" O.C. on duct width 30" and greater. Butt insulation joints tightly together and lap facing 2" over adjacent insulation and seal with vapor barrier adhesive. Seal all breaks with vapor barrier adhesive and vapor barrier tape matching insulation facing.
- H. Provide exposed rectangular ductwork with exterior thermal insulation of type and thickness listed in insulation schedule. Apply with mechanical fasteners spaced 12" O.C. with minimum of two rows per duct side. Seal fasteners, joints, breaks, and punctures with vapor barrier adhesive reinforced with 3" wide vapor barrier tape matching insulation facing.
- I. Provide exposed round sheet metal ductwork with exterior thermal insulation of type and thickness listed in insulation schedule. Apply insulation with joints tightly butted together with vapor barrier

adhesive. Insulate fittings with insulation thickness equal to adjoining insulation with cover overlapping 2" onto adjacent covering.

- J. Ductwork scheduled for internal lining is NOT sized on the drawings to include the lining. Size shown on the drawings is the inside duct measurement.
- K. Duct insulation materials by type shall be as follows:
 - 1. TYPE 1 liner: Internal acoustical and thermal duct insulation for low velocity ductwork shall be CertainTeed 2.0 lb. density duct liner with 0.021 average air friction and a minimum R-value of 5.0. Facing shall have a maximum vapor transmission rate of 0.02 perms.
 - 2. TYPE 2 wrap: External thermal insulation for rectangular or round duct shall be CertainTeed 1.0 lb. density standard duct insulation type IV with foilscrium-kraft facing and a minimum R-value of 5.0. Facing shall have a maximum vapor transmission rate of 0.02 perms.
 - 3. TYPE 3 fire wrap: External fireproofing for rectangular or round kitchen exhaust duct systems shall be 3M Co. 1.5" thick Firestop Blanket made of calcined Kaolin. The blanket shall be faced with aluminum foil on both sides. Provide kitchen exhaust duct systems with two layers of the 1.5" thick Firestop Blanket. Installation and Materials shall be in complete accordance with the manufacturer's requirements for grease ducts.
 - 4. TYPE 4 exterior wrap: External thermal insulation for rectangular or round duct shall be rigid styrofoam, square edge insulation with applied vapor retardant jacket, per ASTM C578. Wrap with minimum 16mil, stucco embossed, aluminum jacket and seal all joints watertight.

L. SEE PLANS FOR DUCTWORK INSULATION SCHEDULE

PART 3 - EXECUTION

- 3.1 Apply insulation to duct with C.M. No. 17477 or B.F. No. 85-20 adhesive. Provide mechanical fasteners 18" O.C. on duct width 30" and greater. Butt insulation joints tightly together and lap facing 2" over adjacent insulation and seal with vapor barrier adhesive. Seal all breaks with vapor barrier adhesive and vapor barrier tape matching insulation facing.

END OF SECTION 220850

SECTION 221100 –GENERAL-DUTY VALVES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 01 Specification Sections, section 220100 - General Mechanical Requirements, section 220500 – Basic Mechanical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS

2.1 VALVES AND INSTALLATION:

- A. Valves 2-1/2" and smaller shall have solder, socket weld, flanged or screwed end connections as required by piping materials unless otherwise specified or shown on drawings. Install union connection in the line within two feet of each screw end valve unless valve can be otherwise easily removed from line. Valves 3" and over shall have flange end connections or butt weld ends as scheduled. Optional grooved valves may be used where scheduled.
- B. Non-rising stem valves shall not be installed at any point in the piping systems. With permission of Architect-Engineer, non-rising stem valves may be installed at particular points where space is restricted.
- C. Valves installed in piping systems shall be compatible with system maximum test pressure, pipe materials, pipe joining method, and fluid or gas conveyed in system.
- D. Valves shall be the same size as piping shown on drawings. Do not reduce valve size.
- E. Valves shall be designed for repacking under pressure when fully opened and backseated.
- F. Equivalent gate and plug valves listed on current comparison charts of specified valve manufacturers by Anvil, Crane, Centerline, Nibco, Fairbanks, Hale, Stockham, Jenkins, Kennedy, Keystone, Powell, Walworth or Victaulic will be acceptable.
- G. Equivalent silent check valves listed on current comparison charts of specified valve manufacturers by Anvil, Combination Pump Valve Co., Pagent, Nibco, Stockham, Williams Hager, Mission or Victaulic will be acceptable.

2.2 VALVES:

- A. Ball valves shall be scheduled as Type "BLV" valves. Valve specifications by type number shall be as follows:

TYPE NO.	SPECIFICATION
BLV-1	3" valves and smaller, Crane bronze full port ball valve 600 PSI-WOG, teflon seats, stainless steel ball, stem with insulated handle (model no. 9303-S), with screwed ends.

- B. Balancing valves shall be scheduled as Type "BAV" valves. Valve specifications by type number shall be as follows:

TYPE NO.	SPECIFICATION
BAV-1	4" valves and smaller, Bell and Gossett Model CB circuit setter balance valve, bronze body, 125 PSI-WP at 250 degrees F precision machined orifice calibrated position

indicator, meter connections with built-in check valves flanged ends. Provide complete with polyurethane insulation cover.

- C. Silent check valves shall be scheduled as type "SCV" valves. Valve specifications by type number shall be as follows:

TYPE NO.	SPECIFICATION
SCV-1	2" valves and smaller Anvil Fig. 3600 bronze check valve, 250 PSI-WOG, stainless steel spring, stainless steel stem, teflon disc and seat ring, screwed or solder ends.
SCV-2	2-1/2" and larger Metraflex Style 900 ANSI Class 125 iron body, stainless steel trim check valve 125 PSI-ASA with flanged ends.

- D. Plug valves shall be scheduled as type PLV valves. Valve specifications by type number shall be as follows:

TYPE NO.	SPECIFICATION
PLV-1	1 " valves and smaller Hays 7400 series iron body gas cock, 175 PSI-WOG bronze plug washer and nut, screwed ends.
PLV-2	1-1/4" thru 2-1/2" valves, Homestead Fig. 651, semi-steel lubricated plug valve, 200 PSI-WOG, coated plug, short pattern screwed ends. Provide complete with standard pattern cast handle.

VALVE SCHEDULE

Service	Size	Stop	Check	Balance
Domestic Water	Up to 3"	BLV-1	SCV-1	BAV-1
Domestic Water	2 1/2" & Up	-	SCV-2	-
Natural Gas	Up to 1"	PLV-1	-	-
Natural Gas	1 1/4" to 2 1/2"	PLV-2	-	-

PART 3 - EXECUTION

3.1 VALVES AND INSTALLATION:

- A. Install necessary valves within piping systems to provide required flow control and to allow isolation for inspection, maintenance and repair of each piece of equipment or fixture, and on each main and branch service loop.
- B. Install each valve so that it is easily accessible for operation, visual inspection, and maintenance.
- C. Install globe valves with pressure on top of disc except where prevented by code. Globe valves installed in lines that must be completely drained for inspection, maintenance or to prevent freezing shall be installed with stem in horizontal position to insure complete drainage of pipe lines.
- D. Gate valves shall not be installed in pipe lines where intended service is throttling service or where piping is subject to vibration as part of normal operation conditions.

END OF SECTION 221 100

SECTION 221220 - GAUGES AND THERMOMETERS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 01 Specification Sections, section 220100 - General Mechanical Requirements, section 220500 – Basic Mechanical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS

2.1 DIAL THERMOMETERS:

- A. Provide Marsh/Marshalltown Master Therm Bimetal Dial Thermometers with 5" dial and recalibrator.
- B. Provide thermometers with polished 304 stainless steel case and stem, 1/2" NPT male back or bottom connections. Accuracy shall be within 1 % of range.
- C. Provide each thermometer with separable well for installation in 3/4" F.P.T. pipe connections.
- D. Provide each thermometer with Peterson Equipment Company 1/8" O.D. 6" long probe for insertion into a gage connector plug.
- E. Equivalent thermometers by Mueller, Trerice, Weksler, or Weston.
- F. For thermometer locations see Section 22 of this specification and the drawings.

PART 3 - EXECUTION (NOT USED)

END OF SECTION 221220

SECTION 221400 – PIPING SYSTEMS**PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 01 Specification Sections, section 220100 - General Mechanical Requirements, section 220500 – Basic Mechanical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS**2.1 PIPING IDENTIFICATION:**

- A. Lettering on marker shall be at least 1-inch high block type in contrasting color. An arrow indicating flow direction shall be painted next to each marker. Where markers occur on parallel groups of piping they shall be neatly lined up.
- B. See Piping Identification Schedule.

PIPING IDENTIFICATION SCHEDULE

Service	Letter Wording	Marker Color	Letter Color
Domestic Cold Water	Domestic Cold Water	Green	White
Domestic Hot Water	Domestic Hot Water	Yellow	Black
Domestic Hot Water Return	Hot Water Return	Yellow	Black
Fire Sprinkler Water	Fire Sprinkler Water	Red	White

2.2 PIPING MATERIALS AND FITTINGS:

- A. Piping used throughout project shall conform to the following specifications. Piping shall be plainly marked with manufacturers name and weight. All materials listed may not be required on this project. See piping material schedules in Section 22 of this specification for materials to be used for each piping system. Piping materials shall be as follows:

- 1. Hubless Cast Iron Soil Pipe:

- a. Pipe and fittings shall be gray cast iron with spigot bead and positioning lug. Pipe and fittings shall be coated inside and out with asphaltum preservative and shall meet requirements of current Cast Iron Soil Pipe Institute Standard 301-69T.
- b. Pipe joints shall be no-hub joint couplings consisting of neoprene rubber sleeve, stainless steel shield and clamp assembly.
- c. Pipe and fittings by Tyler Pipe, Charlotte or Central Foundry.

- 2. Carbon Steel Pipe (1/8" through 2-1/2"):

- a. Provide continuous weld or electric resistance welded carbon steel pipe conforming to ASTM Specification A-120 or A-53 as scheduled.
- b. Pipe joints shall be threaded conforming to ANSI Standard B2.1.
- c. Pipe by Armco, Youngstown, United States Steel or equal.

3. Polyvinyl Chloride (PVC) Pipe:

- a. Provide Type I, Grade I, Polyvinyl Chloride Pipe conforming to requirements of current ASTM Specification D-1785 for pressure piping as scheduled. Pipe shall be approved by National Sanitation Foundation (NSF) for potable water.
- b. Provide Type I, Grade I, Polyvinyl Chloride Pipe conforming to requirements of current ASTM Specification D-2665 for DWV piping as scheduled. Cellular core PVC piping will not be approved.
- c. Pipe for pressure piping shall have plain ends for socket type fittings.
- d. Pipe by Chemtrol, Charlotte, Tyler or equal.

4. Copper Tube:

- a. Provide hard temper copper water tube conforming to requirements of current ASTM Specification B-88. Tubing shall be Type K, L or M as listed in schedule.
- b. Tubing joints shall be soldered or brazed, See schedule for joining method to be used.
- c. Pipe by Cerro, Chase, Mueller, Revere Copper or equal.

2.3 PIPING FITTINGS:

- A. Piping fittings used throughout project shall be proper type for installation method used and shall be compatible with piping system materials. Fittings listed in piping material schedule shall conform to the following specifications:

1. Carbon Steel Welding Fittings:

- a. Provide Carbon Low Alloy Seamless Steel Welding Fittings conforming to current ANSI Standard B16.9 and ASTM Specification A234.
- b. Fittings by Anvil, Midwest or equal.

2. Branch Connection Welding Fittings:

- a. Provide carbon steel Weldolet fittings conforming to ANSI Standards B16.9, B16.11, B31.1.0 and ASTM Specification A105 grade 11.
- b. Fittings by Bonney Forge or equal.

3. Branch Connection, Welding to Screwed Fitting:

- a. Provide carbon steel Thredolet fitting conforming to ANSI Standards B16.9, B16.11, B31.1 and ASTM Specification A105 Grade 11.
- b. Fittings by Bonney Forge or equal.

4. Carbon Steel Flanges:

- a. Provide carbon steel flanges conforming to ASTM Specification A181 Grade I and ANSI Standard B16.5.

- b. Flanges by Anvil, Midwest or equal.
- 5. Malleable Iron Screwed Fittings:
 - a. Provide screwed malleable iron fittings conforming to ANSI Standard B16.3, B2.1 and ASTM Specification A-47 grade 32510.
 - b. Fittings by Crane, Anvil, Stockham or equal.
- 6. Cast Iron Screwed Fittings:
 - a. Provide screwed cast iron fittings conforming to ANSI Standard B16.4, B2.1, and ASTM Specification A-126, Class A.
 - b. Fittings by Crane, Anvil, Stockham or equal.
- 7. Wrought Copper Fittings:
 - a. Provide wrought solder joint copper tube fitting conforming to ANSI Standard B16.22.
 - b. Fittings by Chase, Nibco or equal.
- 8. Cast Bronze Fittings:
 - a. Provide cast bronze solder joint fittings conforming to ANSI Standard B16.18.
 - b. Fittings by Chase, Nibco or equal.
- 9. PVC, DWV Fittings:
 - a. Provide PVC, DWV socket fittings conforming to ASTM D-3311 and D-2661.
 - b. Solvent cement of socket fittings shall conform to ASTM D-2235.
 - c. Fittings by Chemtrol, Charlotte, Tyler or equal.
- 2.4 INSULATING UNIONS AND FLANGES:
 - A. Provide insulating unions and flanges conforming to following specifications and plainly and permanently marked with manufacturer's name and pressure class rating. Unions and flanges shall be as follows:
 - I. Iron or steel pipe to copper pipe:
 - a. Provide Epco dielectric union or flange with screwed or solder joint as required. Union shall have 250 PSI rating and flange 175 PSI rating at 190 degrees F.
- 2.5 STRAINERS:
 - A. General: Provide Zurn "Y" type self-cleaning strainers with FIPT blow-off outlet, flanges or screwed end with pressure rating as required by piping system. Provide strainers with removable stainless steel or monel screens with perforations as follows:

TYPE OF SERVICE	STRAINERS SIZE, INCHES		
	¼ to 2	2 ½ to 6	8 to 24
Water	.005	1/16	1/8

- B. Equivalent strainers by Armstrong, Metraflex, Trane, Nibco, Victaulic or Spirax Sarco.

2.6 UNIONS:

- A. Provide Stockham brass seat unions of material and pressure rating required by piping system.
- B. Equivalent union by Metraflex, Grinnell or equal.

PART 3 - EXECUTION

3.1 PIPING IDENTIFICATION:

- A. Identify piping in mechanical rooms, open pipe chases, tunnels, and other places where piping is accessible for operation and maintenance by painting with identification colors and with pressure sensitive pipe markers.
- B. Place piping markers so they can be easily read from operating position and floor.
- C. Mark piping with marker and a 3-inch wide band of identification color around circumference of pipe in lieu of painting complete pipe or pipe covering.

3.2 STRAINERS:

- A. Install strainers upstream from automatic control valves, steam traps and pumps. Where strainers are an integral part of these items or incorporated in accessory equipment directly upstream, individual line strainers will not be required. Strainers shall be same size as piping. Provide strainers with proper isolation and blow down valves to allow basket removal for cleaning.

3.3 UNIONS:

- A. Provide unions or flanged joint in each line preceding connections to equipment or valves requiring maintenance.
- B. Where piping systems of dissimilar materials are jointed together provide proper insulating union as specified under this specification.

3.4 PIPING INSTALLATION:

- A. Pipe sizes indicated on plans and as specified refer to nominal size in inches for steel pipe, cast iron pipe and copper tubing, unless otherwise indicated. Pipes are sized to nearest 1/2". In no case shall piping smaller than size specified be used.
- B. Contractor shall provide and be responsible for proper location of pipe sleeves, hangers, supports and inserts. Install hangers, supports, inserts, etc., as recommended by manufacturer and as specified and detailed on drawings. Verify construction types and provide proper hangers, inserts and supports in accordance with manufacturers load ratings and provide for thermal expansion of piping without exceeding allowable stress on piping or supports. Provide solid type hangers and supports where pipe travel exceeds manufacturers recommendations for fixed hanger and supports. Provide copper plated hangers and supports for suspension of uninsulated copper tubing lines.

- C. Install all piping parallel with building lines and parallel with other piping to obtain a neat and orderly appearance of piping system. All piping shall be concealed unless noted otherwise. Secure piping with approved anchors and provide guides where required to insure proper direction of piping expansion. Piping shall be installed so that allowable stress for piping, valves and fittings used are not exceeded during normal operation or testing of piping system.
- D. Provided piping materials and wall thickness for specific piping systems as listed in piping schedules on drawings. Steel piping systems 2-1/2" under shall be threaded pipe and fittings. Steel pipe systems 3" and above shall be weld end pipe and fittings unless required otherwise by Code.
- E. Provide unions or flanged joints in each pipe line preceding connections to equipment to allow removal for repair or replacement. Provide all screwed end valves with union adjacent to valve unless valve can be otherwise easily removed from line. Provide unions on identical sizes of equipment for which one replacement item to be installed between unions without making any piping changes.
- F. Piping fitting materials for specific piping systems shall be as listed in piping schedule. Fittings shall be approved factory made type with threaded or weld ends as required. Fitting pressures and temperature ratings shall be equal to or exceed maximum operating temperature and working pressure of piping system. No mitered or field fabricated pipe fittings will be permitted.
- G. All pipe threads shall meet ANSI Standard B2.1 for taper threads. Lubricate pipe threads with Astroseal teflon thread sealant and lubricating compound applied full strength. Powdered or made up compound will not be permitted. Pipe thread compound shall be applied only to male pipe threads.
- H. Welded pipe joints shall be made by qualified welding procedures and welders. Welding electrodes shall be type and material recommended by electrode manufacturer for materials to be welded. All pipe fitting ends shall be beveled a minimum of 30 degrees prior to welding.
- I. Brazed socket type joints shall be made with suitable brazing alloys. Minimum socket depth shall be sufficient for intended service. Brazing alloy shall be end fed into socket and shall fill completely annular clearance between socket and pipe or tube. Brazed joints depending solely upon a fillet rather than a socket type joint will not be acceptable.
- J. Soft soldered socket type joints shall be made in with 95-5 tin-antimony solder as required by temperature and pressure rating of piping system. Soldered socket joints shall be limited to systems containing nonflammable and non-toxic fluids. Soldered socket-type joints shall not be used on piping systems subject to shock or vibration. Soldered joints depending solely upon a fillet rather than a socket-type joint will not be acceptable.
- K. Make changes in piping size and direction with approved factory made fittings. Steel pipe and fittings 2-1/2" and smaller shall be threaded type, pipe and fittings 3" and larger shall be weld type. Provide fittings suitable for at least 125 PSI working pressure or of pressure rating required for maximum working pressure of system whichever is greater.

3.5 TESTING PROCEDURES:

- A. Test all lines and systems before they are insulated, painted or concealed by construction or backfilling. Provide fuel, water, electricity, materials, labor and equipment required for tests.
- B. Where entire system can not be tested before concealment, test system in sections. Upon completion, each system shall be tested as an entire system.
- C. Repair or replace defects, leaks and materials failures revealed by tests and then retested until satisfactory. Make repairs with new materials.

- D. Verify that system components are rated for maximum test pressures to be applied. Where specified test pressures exceed component ratings remove or isolate components from system during tests.
- E. Test methods and pressures shall be as follows:
 - 1. Hydrostatic Test (Closed Systems):
 - a. Hydrostatic test shall be performed using clean unused domestic water. Test pressures shall be as scheduled for system or 150% of operating pressure where not specified.
 - 2. Hydrostatic Test (Open System):
 - a. Test entire system with 10 foot head of water. Where system is tested in sections each joint in building except uppermost 10 feet of system shall be submitted to at least 10 feet head of water. Water shall be held in system for 15 minutes before inspection starts. System shall hold test pressure without leaks.
 - 3. Pneumatic Test:
 - a. Test entire system with compressed air. Systems operating above 2 PSI shall be tested at 75 PSI or 150% of operating pressure or whichever is greater.
 - b. Allow at least 1 hour after test pressure has been applied before making initial test.
 - c. During test, completely isolate entire system from compressor or other sources of air pressure,
 - 4. Pressure Relief and Safety Valve:
 - a. Before installation, test pressure temperature, and safety relief valves to confirm relief settings comply with specifications.
 - b. Tag items that pass test with date of test, observed relief pressure setting and inspector's signature.
 - c. Items installed in systems without test tag attached will be rejected.
- F. All systems shall hold scheduled test pressures for specified time without loss of initial test pressure.
- G. Upon completion of testing submit five copies of a typewritten report to A/E. Report shall list systems tested, test methods, test pressures, holding time and all failures with corrective action taken.
- H. For test pressures see Piping Material Schedule on drawings.

3.6 PIPING PROTECTIVE COATING:

- A. Prepare and coat field made pipe joints and make coating repairs according to manufacturer's recommendation. Cover joints with shrinkable polyethylene sleeve. Coated piping passing through pipe sleeve shall have double thickness coating through sleeve.

END OF SECTION 221400

SECTION 223000 – FIRE PROTECTION SYSTEMS

PART I - GENERAL

I.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 01 Specification Sections, section 220100 - General Mechanical Requirements, section 220500 – Basic Mechanical Materials and Methods shall apply to this Section.
- B. The complete installation is to conform to the applicable sections of the latest versions of NFPA-13 and NFPA-14, Local Code Requirements, 2018 International Building Code, and 2018 International Fire Code. The complete installation shall also conform to the latest version of the Marriott Design Standards Module 14.

I.2 GENERAL

- A Hereinafter, all reference to "this contractor", "the contractor", etc., unless specifically preceded by a trade category, shall apply to the Sprinkler Contractor.

I.3 SCOPE

- A. Furnish all design, labor, materials, fabrication, equipment, and services necessary to provide a complete and operational automatic fire sprinkler system as specified herein and as required for satisfactory operation of the system.
- B. The sprinkler system shall be installed in accordance with the latest edition of NFPA. This requirement does not relieve the contractor from meeting the requirements set by Factory Mutual. All flow indicators, gongs, horns, etc. shall be included as part of this contract.
- C. Standpipe systems accommodating fire department connections within stairwells shall be designed and installed under NFPA 14. Contractor/engineer shall coordinate for additional hose cabinets and risers as required for compliance with applicable codes and standards.
- D. Provide an automatic dry-pipe sprinkler system in all unconditioned spaces where fire sprinkler is required per NFPA such as the exterior canopies, etc. Coordinate with Electrical Contractor to provide power to dry-pipe system air compressor. Contractor shall be responsible for increases in conduit, conductor, and equipment as required for the dry-pipe system.

I.4 FEES AND PERMITS

- A. The contractor shall secure and pay for all permits, licenses and inspections necessary in conjunction with this work. In addition, the contractor shall pay for all tap fees and equipment costs associated with the fire sprinkler system.

I.5 PROTECTION OF WORK

- A. Sprinkler Contractor shall take the necessary precautions required to protect his work as well as the work of other trades against any damages.

I.6 SUBMITTALS AND APPROVALS

- A. All material submitted shall be contained in brochure type binders, clearly labeled and identified. Each submittal shall be complete, with all items listed in schedule form, showing type, manufacturer, catalog number, finish shop drawings or descriptive literature for the purpose of identifying the equipment and

engineer's reference number. Failure to comply with these requirements will result in return of submittal for resubmission.

- B. Contractor shall submit scaled layout drawings including, but not limited to, head locations, pipe sizes, locations, elevations, and slopes of horizontal runs, wall and floor penetrations, and connections. Indicate interface and spatial relationships between piping and proximate equipment. Shop hanger locations. Plans shall be submitted prior to A/E for head locations approval.
- C. At project closeout, submit 3, 1/8" scaled, dimensioned, record drawings to the A/E of installed fire protection piping and equipment.

I.7 LOCAL CONDITIONS

- A. The sprinkler system shall be a complete system as required by local authorities. All wiring required for the system shall be provided by the sprinkler contractor and shall be included in the submittal package. Submit to Agency having jurisdiction for approval. Submit one approved copy, bearing stamp and/or signature of Agency having jurisdiction, before proceeding with installation.
- B. Submit certification upon completion of fire protection piping work which indicates that work has been tested in accordance with NFPA 13 and NFPA 14, and also that system is operational, complete, and has no defects.

I.8 CODES AND ORDINANCES

- A. The Contractor shall comply with all requirements, regulations, code, ordinance, ruling or Fire Underwriters' requirements, NFPA, and Factory Mutual applicable to this class of work. Furthermore, they shall include but shall not be limited to, codes listed in other sections of these specification.
- B. Provide fire protection products in accordance with UL standards: provide UL label on each product.
- C. Install fire protection systems in accordance with local regulations of fire department or fire marshal. Comply with local Fire Department/Marshal regulations for sizes, threading and arrangement of connections for fire department equipment to standpipe systems.

I.9 QUALIFICATION OF SPRINKLER CONTRACTOR

- A. Fire protection work shall be installed by a firm with at least 3 years of successful installation experience on projects with the fire protection work similar to that required for project.
- B. Designs and calculations shall be performed under direct supervision of and properly sealed and signed by a Registered Professional Engineer licensed in the state in which the project is located.

I.10 WATER SERVICE

- A. Contractor shall include in his bid the installation of the required underground water service line at the location(s) indicated on the drawing. The contractor must consult the City Water department and local authorities, provide necessary materials and labor to conform with all local requirements and include the cost of all work and materials in connection with the service. This contractor shall perform necessary hydraulic calculations required to size the line in accordance with applicable provisions of NFPA including NFPA 13.

I.11 DESIGN AND CALCULATION

- A. Contractor shall perform necessary calculations required for proper design and installation of the sprinkler system for the entire building (existing and addition). All design calculations and layout of the

sprinkler system network shall be based on the Specifications and accompanying drawings. Request for HVAC duct and equipment relocations shall be submitted to the Engineer one week before the bid opening date. No sprinkler pipe penetration will be allowed through HVAC duct system.

- B. Refer to fire hydrant flow test data taking near project site attached at the end of this section.

I.12 ELECTRICAL REQUIREMENTS

- A. Electric tamper switches may not be shown but are required wherever a shutoff valve is installed in the sprinkler system. The sprinkler contractor shall be responsible for providing the tamper switch and associated wiring to connect to the fire alarm system. All wiring shall be in accordance with Division 26.
- B. Electric flow switches may not be shown but are required. The sprinkler contractor shall be responsible for providing the flow switch and associated wiring to connect to the fire alarm system. All wiring shall be in accordance with Division 26.
- C. All flow switches, gongs, horns, etc. required by the local code officials or authority with jurisdiction shall be included. All wiring shall be in accordance with Division 26.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Viking, Reliable or equal.

2.2 EQUIPMENT AND MATERIALS

- A. All materials and equipment furnished as part of this contract shall be UL listed, Factory Mutual approved and in compliance with applicable provisions of the NFFA.
- B. No plastic piping will be allowed in return air plenums.

2.3 SPRINKLER HEADS

- A. Unless indicated otherwise, sprinkler heads shall be as follows:
 - 1. Exposed Areas Without Ceiling Brass, Unplated Sprinklers.
 - 2. Finished Ceiling Areas: Concealed mount brass, unplated sprinklers with white cover plate and trim.
- B. Temperature rating of fusible plug or link of sprinklers shall be appropriate for the ambient conditions in the immediate areas.

2.4 SPARE HEADS

- A. Contractor shall furnish spare sprinkler heads identical to each type installed in accordance with the following schedule:

# Installed	of Spares
Less than 300	6
More than 300	12

- B. Spare sprinkler head shall be mounted in emergency sprinkler cabinet. Cabinet shall be located in Mechanical room. See drawings for location.

2.5 SIAMESE CONNECTIONS

- A. Contractor shall provide Siamese type connection through exterior building wall where shown on plan. Coordinate the exact location, pipe threads and fittings with the local fire department to ensure exact match.

2.6 FIRE PUMP (ALTERNATE BID)

- A. Furnish and install a U.L. Listed, F.M. approved electric driven fire pump. The motors shall be TEFC.
- B. The pump shall be a horizontal split case single stage centrifugal type with cast iron casing, 416 stainless steel shaft bronze impeller, bronze casing wear rings, mechanical seals, or stuffing box. Pump flanges shall be 250 psi.
- C. The pump installation shall include all service valves, gauges, gauge cocks, check valves, relief valves, pilot operated throttling valve, flow meters, etc. for a complete installation.
- D. The pump curve shall be selected to minimize the system pressure at shut off head while maintaining design flow and pressure.
- E. Fire pumps shall be ITT A-C pump, Aurora, Fairbanks Morse, Peerless, or approved equivalent.

2.6 FIRE PUMP CONTROLLER AND POWER TRANSFER SWITCH (ALTERNATE BID)

- A. Main Fire Pump Controller with Power Transfer Switch: The main fire pump controller shall be factory assembled and wired with a power transfer switch listed by Underwriters' Laboratories, Inc. for transfer switch service and fire pump service. The power transfer switch shall be approved by Factory Mutual. The power transfer switch and fire pump controller shall be factory assembled, wired and tested as a single unit and shall conform to all requirements of the latest edition of NFPA 20, Centrifugal Fire Pumps and NFPA 70, National Electrical Code.
- B. Starting Method: The controller shall be of the combined manual and automatic type designed for Wye-Delta starting of the fire pump motor having the horsepower, voltage, phase and frequency rating shown on the plans and drawings. The controller components shall be housed in a NEMA Type 2 drip-proof wall mounted enclosure.
- C. Withstand Ratings: All controller components shall be front mounted, wired and front accessible for maintenance. The minimum withstand rating of the controllers shall not be less than 200,000 Amps RMS Symmetrical up to 600 Volts. This withstand rating shall be accomplished by the use of Permanent Current Limiters (PCL) inserted in the controller such that they limit the available fault current within the controller to acceptable levels. These current limiters shall be of the permanent type, not fuse type, and require no replacement after the fault current clears.
- D. Isolation Switch and Circuit Breaker: The controller shall include a motor rated combination isolating disconnect switch/circuit breaker, mechanically interlocked and operated with a single, externally mounted handle. When moving the handle from OFF to ON, the interlocking mechanism shall sequence the isolating disconnect switch ON first, and then the circuit breaker. When the handle is moved from ON to OFF, the interlocking mechanism shall sequence the circuit breaker open first, and then the isolating disconnect switch. The isolating disconnect switch/circuit breaker shall be mechanically interlocked so that the enclosure door cannot be opened with the handle in the ON position except by a hidden tool operated defeater mechanism. The isolating disconnect switch/circuit breaker shall be capable of being padlocked in the OFF position for installation and maintenance safety, and shall also be capable of being locked in the ON position without affecting the tripping characteristics of the circuit breaker. The controller door shall have a locking type handle and three point cam and roller type vault hardware. The circuit breaker trip curve adjustment shall be factory set, tested and sealed for the connected full load amps of the motor.

- E. The controller shall be supplied with a pressure switch with a range of 0-300 psi (0-21 kg/2) and have independent high and low pressure settings. The pressure switch shall be mounted inside the controller to prevent unauthorized adjustment and/or accidental damage. The pressure switch shall be directly pipe mounted to a solidly mounted bulkhead pipe coupling without any other supporting members. Field connections shall be made externally at the controller coupling to prevent distortion of the pressure switch element and mechanism. The adjustment knobs shall be capable of being sealed after final adjustment. The controller shall have a solid state minimum running period timer set for ten minutes. The minimum run timer shall include a flange mounted timer is in the timing mode. Terminals shall be provided to field convert the controller from automatic to manual shutdown. Terminals shall be provided so that standard duty rated normally open remote START pushbutton stations can be wired to the controller. Terminals shall be provided so that a remote deluge valve contact may be wired to the controller to start the unit. The control circuit of the controller shall be wired so that one or more of the following conditions will not interfere with the ability of the pump to run: loss of control circuit power, wiring or component failure including relays and timers, or loss of positive interlock or deluge valve signal. The motor contact shall be UL listed and CSA approved for the horsepower, voltage, phase and frequency of the connected motor. The coil shall incorporate a surge absorber to protect the contactor against line voltage spikes and a low-voltage compensation feature capable of withstanding a voltage drop up to 35% (at contact closure). Individual PHASE FAILURE, PHASE REVERSAL and PUMP OPERATING alarm contacts shall be wired to terminals. These contacts shall be both normally open and normally closed and be electrically isolated for wiring to either remote alarm panels as supplied by the controller manufacturer, or for use with remote telephone dropout type alarm systems, or with both systems simultaneously. A UL, cUL, and FM labeled, factory built-in alarm shall be provided in the fire pump controller, requiring only 120 volt supervisory power. This alarm shall give an audible alarm for PUMP OPERATING, PHASE REVERSAL, or PUMP FAILURE and a visible alarm for loss of SUPERVISORY POWER AVAILABLE. This alarm shall be electrically isolated from the remote alarm contacts so that 24 VDC or separate 120 VAC remote alarms can be utilized. The controller shall be supplied with interlock and shutdown circuits as standard. No pushbuttons or pilot lights shall be mounted on the enclosure door. All alarm contacts shall be rated 125 VAC maximum, 10 Amperes pilot duty. They shall also be suitable for direct switching of low energy alarm circuits – 6 VDC minimum, 10 MA, 0.6 VA minimum. The control circuit transformer shall have built-in molded terminals and shall be fuse protected from external loads. The fuse shall be built into the transformer. The controller shall include a grounding lug, bonding and spacing required for use as UL listed service entrance equipment. The manufacturer shall test the entire controller assembly prior to shipment. This test shall include, but not be restricted to, each function the controller may be required to perform including remote alarms, remote start, automatic start with manual shutdown, remote deluge valve start, pressure drop start, manual start-stop. The manufacturer shall test the circuit breaker at 300% full load, 600% full load, and short circuit current settings. The manufacturer shall perform a high potential test of the controller power circuits at not less than two times the rated voltage plus 1000 Volts.
- F. Power Transfer Switch for Generator Set Emergency Power Source: The power transfer switch shall be housed in a NEMA Type 2 drip-proof enclosure provided with mounting feet for floor mounting. An auxiliary contact shall be provided on the transfer switch to prevent starting of the emergency generator set when the transfer switch or the main fire pump controller are being serviced. The transfer switch circuitry shall be capable of sensing both the normal power source and the emergency power source. The normal power source pickup shall be set at 95% nominal voltage. The emergency power source shall be set to pick up at 90% nominal voltage and 95% nominal frequency. All voltage sensing, frequency sensing, and time delays shall be field adjustable to accommodate individual installation requirements. The transfer signal shall be delayed for one second, delaying the transfer and engine start signals so as to compensate for momentary, normal power outages. An automatic delay of three seconds shall be provided upon transfer to or from the emergency power source to allow the motor to slow sufficiently, preventing line disturbances that could trip either the generator set or fire pump circuit breakers. The transfer switch shall have TRANSFER SWITCH NORMAL, TRANSFER SWITCH EMERGENCY and EMERGENCY ISOLATING SWITCH OFF pilot lights, TEST and TRANSFER BYPASS switches, an audible alarm device and SILENCE ALARM pushbutton

- mounted on the flange of the enclosure. To aid servicing no indicating lights or switch devices shall be mounted on the enclosure door. The power transfer switch shall be furnished with both normally open and normally closed auxiliary contacts for an engine start signal when normal power failure occurs. Auxiliary contacts shall also be provided and wire to terminals to indicate the transfer switch position. The transfer switch shall be electrically operated and mechanically held, and shall be capable of being operated by a manual transfer mechanism located on the switch.
- G. Data Logging: The fire pump controller shall have data logging capability for historical operation recording and to aid in the annual test, service and troubleshooting. The data logging shall be accessible by Firetrol factory authorized personnel via built in RS-485 data port. The data port can also be used, when required, for field adjustment of the circuit breaker full load amp setting. The circuit breaker shall be capable of being field tested to verify actual pick up, locked rotor, and instantaneous trip points after field installation without disturbing incoming line and load conductors.
- I. Data Logging: The transfer switch shall have data logging capability for historical operating recording and to aid in the annual test, service and troubleshooting. The data logging shall be accessible by via built-in RS-485 data port.
- H. The controller shall have externally visible, individual, 3 PHASE VOLT METER, 3 PHASE AMP METER, and visible indicators for POWER AVAILABLE, LOW PRESSURE, LOCAL START, REMOTE START, DELUGE VALVE OPEN, PHASE FAILURE, PHASE REVERSAL, INTERLOCK ON, PUMP RUNNING and RUN TIMER ON. The controller shall have externally mounted operators including START pushbutton, STOP pushbutton and EMERGENCY RUN mechanism. The START pushbutton and EMERGENCY RUN mechanism shall be separate units and not combined. The POWER AVAILABLE and PHASE FAILURE indicators shall be wired through contacts on the phase monitor to give true power ON indication. Loss of power in any phase, loss of the control circuit transformer or reversal of any phase shall cause the POWER AVAILABLE indicator to go out.
- I. Fire Pump Controller shall be as manufactured by Firetrol or approved equivalent.

2.7 JOCKEY PUMP (**ALTERNATE BID**)

- A. Furnish and install a U.L. Listed in-line jockey pump.
- B. Pump shall be capable of returning system to pressure within time allowed in NFPA 20. Pump shall be configured for pressure relief.

2.8 JOCKEY PUMP CONTROLLER (**ALTERNATE BID**)

- A. Furnish and install a U.L. Listed jockey pump controller matched to the horsepower of the jockey pump provided.
- B. The controller shall be factory assembled, wired, and tested and shall conform to the requirements of NFPA 70. The controller shall be listed in accordance to UL508 "Standard for Industrial Controls."
- C. Controller shall be in an NEMA 2 enclosure, contain horsepower rated fusible disconnect switch, horsepower rated motor contactor and overload relay, Hand-Off-Auto selector switch, minimum run timer, 0-300 psi pressure switch.
- D. Jockey pump controller shall be Firetrol or approved equivalent.

PART 3 - EXECUTION

3.1 TESTING AND FLUSHING OF SYSTEM

- A. All piping shall be hydrostatically tested for a period of two (2) hours at not less than 200 psi pressure. If leaks appear, lines shall be drained, leaks repaired and test repeated. No piping shall be concealed in any manner before being tested and approved.
- B. Tests shall be made in the presence of an inspector from the authorities having jurisdiction. The owner shall be notified of time of all tests in advance of the date.

3.2 MISCELLANEOUS EXECUTION

- A. All sprinkler heads in the main sales area shall be positioned approximately half way between rows of lights and at approximately center of ceiling tile. It shall be the responsibility of the sprinkler designing engineer to accommodate this requirement. Failure to comply with this requirement will result in return of submitted design for resubmission.
- B. All piping shall be installed within 6" of the structure. Offset around obstacles as necessary and return piping to within 6" of structure as close to offset as possible. Branch piping shall be run between concrete stem or steel joists in rooms without ceilings.
- C. Sprinkler heads shall be installed in the center of ceiling tiles.

END OF SECTION 223000

SECTION 224100 – PLUMBING FIXTURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 01 Specification Sections, section 220100 - General Mechanical Requirements, section 220500 – Basic Mechanical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS

2.1 Equivalent fixtures and accessories by the following manufacturers will be acceptable.

- A. Toilet Seats: Church, Olsonite, Toto, or Beneke.
- B. Fittings and Supports: Josam, Smith, Zurn or Wade.
- C. Traps, Supplies and Stops: Dearborn, Sanitary Dash or as specified under plumbing fixtures.
- D. Supplies and Stops: Dearborn Figure No. 2407CW 1-1/2" compression inlet with angle compression stop and 3/8" O.D. risers in length required. Provide deep chrome plated brass escutcheons.
- E. Traps: Dearborn #FS510 (1-1/2") and/or #FS507 (1-1/4") cast brass body with clean-out "P" trap. Provide deep chrome plated brass escutcheon with set screw.

2.2 Refer to **PLUMBING FIXTURE SCHEDULE on construction drawings for fixture types to be installed under this section.**

PART 3 - EXECUTION

3.1 PLUMBING FIXTURES:

- A. Provide plumbing fixtures as shown on drawings and as specified complete including piping and connections. China fixtures shall be of best grade vitreous ware, without pit holes or blemishes and outlines shall be generally true. Architect reserves right to reject any piece which in his opinion is faulty. Fixtures fitting against walls shall have ground backs. Exposed piping and fitting shall be chrome plated.
- B. Set fixtures true and level with all necessary supports for fixtures installed before plastering is done. Nipples through wall to fixture connection shall be chrome plated brass. Contractor may use copper stubouts to stops under lavatories provided deep escutcheons are used and no copper is visible in lieu of chrome nipples.

3.2 FIXTURE INSTALLATION

- A. Assemble fixtures, trim, fittings, and other components according to manufacturers' written instructions.
- B. For wall-hanging fixtures, install off-floor supports affixed to building substrate.
 - 1. Use carrier supports with waste fitting and seal for back-outlet fixtures.
 - 2. Use carrier supports without waste fitting for fixtures with tubular waste piping.
 - 3. Use chair-type carrier supports with rectangular steel uprights for accessible fixtures.
- C. Install back-outlet, wall-hanging fixtures onto waste fitting seals and attach to supports.

- D. Install floor-mounting fixtures on closet flanges or other attachments to piping or building substrate.
- E. Install wall-hanging fixtures with tubular waste piping attached to supports.
- F. Install counter-mounting fixtures in and attached to casework.
- G. Install fixtures level and plumb according to manufacturers' written instructions and roughing-in drawings.
- H. Install water-supply piping with stop on each supply to each fixture to be connected to water distribution piping. Attach supplies to supports or substrate within pipe spaces behind fixtures. Install stops in locations where they can be easily reached for operation.
 - I. Exception: Use ball, gate, or globe valve if stops are not specified with fixture. Refer to Section 221100 for general-duty valves.
- I. Install trap and tubular waste piping on drain outlet of each fixture to be directly connected to sanitary drainage system.
- J. Install tubular waste piping on drain outlet of each fixture to be indirectly connected to drainage system.
- K. Install flushometer valves for accessible water closets and urinals with handle mounted on wide side of compartment. Install other actuators in locations that are easy for people with disabilities to reach.
- L. Install toilet seats on water closets.
- M. Install faucet-spout fittings with specified flow rates and patterns in faucet spouts if faucets are not available with required rates and patterns. Include adapters if required.
- N. Install water-supply, flow-control fittings with specified flow rates in fixture supplies at stop valves.
- O. Install faucet, flow-control fittings with specified flow rates and patterns in faucet spouts if faucets are not available with required rates and patterns. Include adapters if required.
- P. Install shower, flow-control fittings with specified maximum flow rates in shower arms.
- Q. Install traps on fixture outlets.
 - I. Exception: Omit trap on fixtures with integral traps.
- R. Install disposer in outlet of sinks indicated to have disposer. Install switch where indicated or in wall adjacent to sink if location is not indicated.
- S. Install escutcheons at piping wall ceiling penetrations in exposed, finished locations and within cabinets and millwork. Use deep-pattern escutcheons if required to conceal protruding fittings. Refer to Division 15 Section "Basic Mechanical Materials and Methods" for escutcheons.
- T. Set shower receptors service basins in leveling bed of cement grout.
- U. Seal joints between fixtures and walls, floors, and counters using sanitary-type, one-part, mildew-resistant, silicone sealant. Match sealant color to fixture color. Refer to Division 07 Section "Joint Sealants" for sealant and installation requirements.

3.3 CONNECTIONS

- A. Connect water supplies from water distribution piping to fixtures.

April 21, 2023

Staybridge Suites
Springfield, Missouri

- B. Connect drain piping from fixtures to drainage piping.
- C. Supply and Waste Connections to Plumbing Fixtures: Connect fixtures with water supplies, stops, risers, traps, and waste piping. Use size fittings required to match fixtures. Connect to plumbing piping.
- D. Supply and Waste Connections to Fixtures and Equipment Specified in Other Sections: Connect fixtures and equipment with water supplies, stops, risers, traps, and waste piping specified. Use size fittings required to match fixtures and equipment. Connect to plumbing piping.

3.4 PROTECTION

- A. Provide protective covering for installed fixtures and fittings.
- B. Do not allow use of fixtures for temporary facilities unless approved in writing by Owner.

END OF SECTION 224100

SECTION 224300 – PLUMBING SPECIALTIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 01 Specification Sections, section 220100 - General Mechanical Requirements, section 220500 – Basic Mechanical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS

- 2.1 Refer to **PLUMBING FIXTURE SCHEDULE** on construction drawings for fixture types to be installed under this section.

2.2 FLOOR DRAINS, FLOOR SINKS, ETC.:

- A. All floor drains in finished areas shall have chrome plated strainers.
- B. Provide each drain that does not have an integral "P" trap with a cast iron "P" trap in connecting piping.
- C. See Architectural plans for floor drain top elevations and floor drainage,

2.3 CLEANOUTS:

- A. Wall Type Finished Areas: PVC cleanout "T" with cleanout plug and stainless steel access cover.
- B. Wall Type Unfinished Areas: Cast iron cleanout lee with countersunk plug.
- C. Floor Type Hard Flooring Areas: Round chrome plated scoriated cover.
- D. Floor Type Carpet Areas: Nickel bronze top and carpet clamp.
- E. Verify floor materials used from Architectural plans.

2.4 SHOCK ABSORBERS:

- A. Provide Josam Absorbotron shock absorbers or approved equal on all individual plumbing fixtures and plumbing fixture batteries sized in accordance with the Plumbing and Drainage Institute "Standard P.D.I. WH201 ". Equivalent shock absorbers by Zurn, Wade, Sioux Chief or J.R. Smith.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install backflow preventers in each water supply to mechanical equipment and systems and to other equipment and water systems that may be sources of contamination. Comply with authorities having jurisdiction.
 - 1. Locate backflow preventers in same room as connected equipment or system.
 - 2. Install drain for backflow preventers with atmospheric-vent drain connection with air-gap fitting, fixed air-gap fitting, or equivalent positive pipe separation of at least two pipe diameters in drain piping and pipe to floor drain. Locate air-gap device attached to or under backflow preventer. Simple air breaks are not acceptable for this application.
 - 3. Do not install bypass piping around backflow preventers.

- B. Install cleanouts in aboveground piping and building drain piping according to the following, unless otherwise indicated:
 - 1. Size same as drainage piping up to NPS 4 (DN 100). Use NPS 4 (DN 100) for larger drainage piping unless larger cleanout is indicated.
 - 2. Locate at each change in direction of piping greater than 45 deg rees.
 - 3. Locate at minimum intervals of 50 feet (15 m) for piping NPS 4 (DN 100) and smaller and 100 feet (30 m) for larger piping.
 - 4. Locate at base of each vertical soil and waste stack.
 - C. Install cleanout deck plates with top flush with finished floor, for floor cleanouts for piping below floors.
 - D. Install cleanout wall access covers, of types indicated, with frame and cover flush with finished wall, for cleanouts located in concealed piping.
 - E. Install flashing flange and clamping device with each stack and cleanout passing through floors with waterproof membrane.
 - F. Install vent flashing sleeves on stacks passing through roof. Secure over stack flashing according to manufacturer's written instructions.
 - G. Install floor drains at low points of surface areas to be drained as indicated on construction rdawings. Set grates of drains flush with finished floor, unless otherwise indicated.
 - 1. Position floor drains for easy access and maintenance.
 - 2. Block out floor prior to pouring of concrete and then level floor drain after pour is set, remove forms and grout hole level.
 - H. Install floor-drain flashing collar or flange so no leakage occurs between drain and adjoining flooring. Maintain integrity of waterproof membranes where penetrated.
 - I. Install individual traps for floor drains connected to sanitary building drain, unless otherwise indicated.
 - J. Fasten wall-hanging plumbing specialties securely to supports attached to building substrate if supports are specified and to building wall construction if no support is indicated.
 - K. Fasten recessed-type plumbing specialties to reinforcement built into walls.
 - L. Install wood-blocking reinforcement for wall-mounting and recessed-type plumbing specialties.
 - M. Install individual shutoff valve in each water supply to plumbing specialties. Use ball, gate, or globe valve if specific valve is not indicated. Install shutoff valves in accessible locations. Refer to Division 15 Section "Valves" for general-duty ball, butterfly, check, gate, and globe valves.
 - N. Install escutcheons at wall, floor, and ceiling penetrations in exposed finished locations and within cabinets and millwork. Use deep-pattern escutcheons if required to conceal protruding pipe fittings.
- 3.2 PROTECTION
- A. Protect drains during remainder of construction period to avoid clogging with dirt and debris and to prevent damage from traffic and construction work.
 - B. Place plugs in ends of uncompleted piping at end of each day or when work stops.

END OF SECTION 224300

SECTION 224850 – WATER HEATERS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 01 Specification Sections, section 220100 - General Mechanical Requirements, section 220500 – Basic Mechanical Materials and Methods shall apply to this Section.

1.2 REGULATORY REQUIREMENTS

- A. ASME Compliance: Where indicated, fabricate and label commercial water heater storage tanks to comply with ASME Boiler and Pressure Vessel Code: Section VIII, Division I.
- B. Comply with NSF 61, "Drinking Water System Components - Health Effects; Sections 1 through 9," for all components that will be in contact with potable water.
- C. Water heaters shall meet ASHRAE/IESNA 90.1-1999.

PART 2 - PRODUCTS

2.1 COMMERCIAL ELECTRIC WATER HEATERS

- A. Electric water heaters with electric heater input exceeding 58.6 kW and/or with storage tank volume exceeding 120 gallons shall be ASME rated.
- B. Double element models shall be listed under UL Standard 1453. Single element models shall be listed under UL Standard 174.
- C. Electric water heaters shall be equipped with the following:
 - 1. Direct immersion threaded heating elements.
 - 2. Anode rods for protection against electrolytic corrosion.
 - 3. Porcelainized glasslined tank.
 - 4. Foam insulated tank.
 - 5. Factory mounted ASME temperature and pressure safety valve.
- D. Electric water heaters shall be rated for a maximum hydrostatic working pressure of 150 PSIG.
- E. Electric water heaters shall be provided with a 3 year factory warranty on the tank and heating elements, and 1 year factory warranty on all component parts.

2.2 GAS FIRED WATER HEATERS

- A. The tank construction shall be of high strength steel with a triple pass flue design for increased heat transfer efficiency. The tank shall be constructed in accordance with (Standard/ASME) construction requirements and shall be designed to withstand a hydrostatic test pressure of two times the working pressure without leakage. The tank shall have a working pressure of 150 psi. The tank shall be furnished with a handhole for ease of inspection, cleanout and service. The interior of the tank shall be glass lined and fired to 1600°F to ensure a molecular fusing of glass and steel. The tank shall be furnished with four magnesium anodes to provide electrolytic protection (except 400 which has 2 powered anodes and 1 magnesium anode) and shall carry a three (3) year limited warranty.
- B. The water heater shall be constructed with a heavy gauge steel jacket assembly. The tank shall be completely encased in high density polyurethane foam insulation to maximize heat retention and lower

standby heat loss. The exterior of the jacket assembly shall be finished with a 3 coat acrylic enamel finish. The water heater shall be approved for zero clearance to combustible materials.

- C. The water heater shall be equipped with a sealed combustion system for direct venting using PVC or CPVC vent pipe.
- D. The water heater shall have an electronic ignition system and an ASME temperature and pressure relief valve. It shall be factory assembled and tested and require no special calibrations or start up. The water heater shall be approved to provide 180°F water for sanitation, commercial and industrial operation. In the case of an overheat condition the water heater will employ an energy cut off that shuts off all gas.
- E. The entire water heater shall be certified and listed by C.S.A. International under the latest edition of the ANSI Z21.10.3 test standard for water heaters. The water heater shall comply with the energy efficiency requirements for standby loss and thermal efficiency as specified in the latest edition of the ASHRAE 90.1 Standard.
- F. Refer to WATER HEATER SCHEDULE on construction drawings.
- G. Equivalent electric water heaters by A. O. Smith, Bradford White, Lochinvar, State, Ruud or Rheem.

PART 3 - INSTALLATION

- 3.1 Install commercial water heaters on concrete bases. Omit concrete bases for water heaters installed on a stand, bracket, or suspended platform.
- 3.2 Install water heaters level and plumb, according to layout drawings, original design, and referenced standards. Maintain manufacturer's recommended clearances. Arrange units so controls and devices needing service are accessible.
- 3.3 Install piping adjacent to water heaters to allow service and maintenance. Arrange piping for ease removal of water heaters.
- 3.4 Install thermometer on outlet piping of water heaters where indicated on plans. Refer to Division 22 Section "Meters and Gages" for thermometers.
- 3.5 Fill water heaters with water. Charge expansion tanks with air.
- 3.6 Install piping-type heat traps on inlet and outlet piping of water heater storage tanks without integral or fitting-type heat traps.
- 3.7 Coordinate grounding of the water heater with the electrical contractor.

END OF SECTION 224850

227000 – VARIABLE REFRIGERANT FLOW (VRF) SYSTEMS

Part I - GENERAL

I.1 SYSTEM DESCRIPTION

- A The VRF (Variable Refrigerant Flow) system shall be an Heat Recovery simultaneous cooling and heating heat pump. The simultaneous heating and cooling VRF system shall consist of an outdoor unit, heat recovery units designed for minimum piping and maximum design flexibility, indoor units, and controls by the equipment manufacturer. Every indoor unit or zone shall be independently capable of operating in either heating or cooling mode regardless of the mode of other indoor units. The system shall be capable of changing mode of individual indoor units or zones (cooling to heating or heating to cooling) within a maximum time of 5 minutes to ensure indoor temperature can be properly maintained.

Note - No diversity shall be utilized for sizing outdoor equipment.

I.2 QUALITY ASSURANCE

- A. The units shall be manufactured in a facility registered to ISO 9001 and ISO14001 which is a set of standards applying to environmental protection set by the International Organization for Standardization (ISO).
- B. All wiring shall be in accordance with the National Electrical Code (NEC).
- C. The units shall be listed by Electrical Testing Laboratories (ETL) and bear the ETL label.

I.3 STORAGE AND HANDLING

- A. All VRF equipment shall be stored protected from weather, extreme temperature, etc. as suggested by the manufacturer. All VRF equipment shall be moved, lifted, etc. as suggested by the manufacturer.

Part 2 – WARRANTY

- 2.1 VRF equipment shall be warranted by the manufacturer's limited warranty for a period of one year from date of installation or 18 months from date of delivery whichever is shorter. An extended warranty including 1 additional year parts and 5 additional years compressor shall be granted upon submission to the manufacturer and acceptance by the manufacturer of proper installation with documentation including:

- 1) Selection output and layout of the VRF system.
- 2) 60 minutes of operational history upon commissioning from the VRF service tool.
- 3) Completed commissioning report as per the VRF equipment manufacturer.

During this period, any part failing to function properly due to faulty workmanship or material shall be repaired or replaced at the VRF equipment manufacturer's discretion and shall not include labor.

- 2.2 The VRF system shall be installed by a licensed mechanical contractor trained by the VRF equipment manufacturer or certified manufacturer's agent.

- 2.3 Commissioning shall be performed by the manufacturer or certified manufacturer's agent.

Part 3 - PRODUCTS

3.1 ACCEPTABLE MANUFACTURER'S

- A Daikin, LG.

3.2 HEAT RECOVERY UNITS FOR SIMULTANEOUS HEATING AND COOLING SYSTEMS

VARIABLE REFRIGERANT FLOW SYSTEMS

227000 - I

A. General:

1. Heat recovery units shall be designed for use with VRF equipment of the same manufacturer.
2. Heat recovery units shall have factory installed control boards that interface with the VRF equipment controls system and shall perform all functions to effectively and efficiently control the simultaneous heating and cooling VRF system. Include advanced LCD touch screen central controller, see plans for location.
3. Heat recovery units shall be completely factory assembled, internally piped and wired.
4. Heat recovery units shall be run tested at the factory.
5. Heat recovery units shall be designed for indoor installation.
6. Shall use R410A refrigerant.
7. All refrigerant lines from the outdoor unit to the heat recovery units and from the heat recovery units to the indoor units shall be field insulated.
8. Heat recovery units shall have 2, 3, or 4 ports for connections to indoor units.
9. Each port of the heat recovery units shall be capable of connecting from one indoor unit up to 8 indoor units up to a maximum nominal capacity of 48MBh.
 - A. Individual indoor units greater than 48MBh nominal capacity shall utilize 2 neighboring heat recovery unit ports twinned together with a Y- branch kit.
10. Each port of the heat recovery units shall be capable of operating in heating or cooling mode independently regardless of the mode of any other port on the heat recovery unit or in the system.
11. Heat recovery units shall be permitted to be piped in series or parallel to minimize material cost and labor.
12. The following piping shall be allowed.
 - A. Series piping of up to 16 heat recovery units.
 - B. Indoor units up to 131 equivalent feet of piping length from the heat recovery unit to which it is connected.
 - C. Indoor units up to 295 equivalent feet of piping length from the first branch.
 - D. Indoor units shall not exceed 49 feet in elevation above or below the heat recovery unit.
 - E. Elevation difference between the highest and lowest elevation indoor unit shall not exceed 49 feet.
 - F. Elevation difference between the highest and lowest elevation heat recovery unit shall not exceed 49 feet.
 - G. Elevation difference between the highest and lowest elevation indoor unit and/or heat recovery unit shall not exceed 49 feet.
 - H. Total indoor unit nominal capacity shall not exceed 192MBh in any series string of 1 to 16 heat recovery units.

B. Heat Recovery Unit Construction:

1. The heat recovery unit shall have 2, 3, or 4 ports
2. The heat recovery unit casing shall be galvanized steel.
3. Each heat recovery unit shall contain piping, valves and controls to divert refrigerant controlling each port to operate in either heating or cooling mode.
4. The unit shall include one double spiral subcooling heat exchanger per port of the heat recovery unit.
5. Heat recovery units shall be internally insulated and not require a condensate drain.

C. Refrigerant System

1. R410A refrigerant shall be required for all VRF equipment and components including indoor units, outdoor units, refrigerant piping, valves, Y-branches, heat recovery units, etc. as applicable.

D. Refrigerant valves:

1. Each port shall be circuited with two 2-position solenoid valves to control refrigerant flow path.
2. Isolation valves shall be field supplied and installed for ease of service to the heat recovery unit without evacuating the entire system refrigerant charge.

E. Electrical:

1. The heat recovery box electrical power shall be 208/230V, 1 phase, 60 Hz.
2. All units shall be capable of operation within +/-10% of nominal voltage.
3. The heat recovery unit shall be controlled by integral microprocessors and communicate with the main control in the outdoor unit.
4. The control circuit between the indoor units, heat recovery box and the outdoor unit shall be 24VDC completed using a 2-conductor, stranded and shielded cable for the RS485 daisy chain communication.

3.3 SIMULTANEOUS HEATING AND COOLING OUTDOOR UNIT

A. General:

1. The outdoor unit shall be used with VRF components by the same manufacturer consisting of the outdoor unit, heat recovery units, indoor units; factory designed and supplied Y-branches, and controls.
2. System components shall be of the same manufacturer or as recommended by the manufacturer of the VRF equipment.
3. Unit control boards shall perform all functions required to effectively and efficiently operate the VRF system and communicate in a daisy chain configuration from outdoor unit to heat recovery and indoor units via RS485.
4. The outdoor unit shall be completely factory assembled, piped and wired. Dual and triple frame outdoor units will be field piped with factory designed and supplied Y-branch kits to manifold them together into a single refrigerant circuit.
5. Each outdoor unit shall be run tested at the factory.
6. The sum of connected nominal capacity of all indoor air handlers shall range from 50% to 130% of outdoor unit nominal capacity to ensure the VRF system will have sufficient capacity to handle the building space loads at peak design.
7. Outdoor unit shall have a tested sound rating no higher than 58 dB (A) per outdoor unit frame tested per ISO1996.
8. All refrigerant lines from the outdoor unit to the heat recovery unit and from the heat recovery unit to the indoor units shall be field insulated.
9. The outdoor unit shall have an accumulator.
10. The outdoor unit shall have a high pressure safety switch.
11. The outdoor unit shall have over-current protection.
12. The outdoor unit shall use a double spiral tube subcooling heat exchanger.
13. The outdoor unit shall have the ability to operate with an elevation difference of up to 360 feet above or below the indoor units.
14. The outdoor unit shall allow up to a total equivalent refrigerant piping length of 3280 feet.
15. The maximum piping length from outdoor unit to indoor unit shall be up to 656 feet or 738 equivalent feet without traps.
16. The outdoor unit shall be capable of operating in heating only mode down to -4°F and up to 60°F ambient wet bulb without additional low ambient controls.
17. The outdoor unit shall be capable of operating in cooling only mode down to 23°F and up to 115°F ambient dry bulb.
18. During heating based simultaneous mode the system shall be capable of operating at outdoor ambient temperatures down to 14 Deg F (WB).
19. During cooling based simultaneous mode the system shall be capable of operating with the ambient temperatures down to 14 Deg F (DB).
20. The outdoor unit shall have a centrifugal oil separator for each compressor and controls to ensure sufficient oil supply is maintained for the compressor.
21. Shall use R410A refrigerant.
22. Each outdoor unit frame shall have a removable inspection panel no greater than 6 inches tall and 12 inches wide to allow access to service tool connection, DIP switches, auto addressing and error codes.

- B. Frame:
 - 2. Shall be constructed with galvanized steel, bonderized and be finished with powder coat baked enamel paint.
- C. Compressor:
 - 1. All 3 phase outdoor unit frames smaller than 80MBh shall be equipped with one hermetic digitally controlled inverter driven scroll compressor.
 - 2. All 3 phase outdoor unit frames greater than 80MBh nominal capacity shall be equipped with one hermetic digitally controlled inverter driven scroll compressor and one hermetic constant speed scroll compressor.
 - 3. A 60 Watt crankcase heater shall be factory mounted on all compressors.
 - 4. The outdoor unit compressor shall have an inverter to modulate capacity. The frequency of the inverter compressor shall be variable from 20 to 120Hz and modulate in 1 Hz increments.
 - 5. The compressor shall be equipped with an internal thermal overload.
 - 6. The compressor shall be mounted to avoid the transmission of vibration.
- D. Fan:
 - 1. All outdoor unit frames smaller than 80MBh shall be furnished with one direct drive, variable speed propeller type fan.
 - 2. All outdoor unit frames greater than 80MBh shall be furnished with two direct drives, variable speed propeller type fans.
 - 3. All fan motors shall have inherent protection, have permanently lubricated bearings, and be variable speed with a maximum speed up to 1050 rpm.
 - 4. All fans shall be provided with a raised guard to limit contact with moving parts.
 - 5. The outdoor unit shall have vertical discharge airflow.
 - 6. Outdoor unit shall have a static pressure capability up to 0.32 inches wg with DIP switch to accommodate additional external static pressure.
- E. Coil:
 - 1. The outdoor coil shall be of nonferrous construction with louvered fins on copper tubing.
 - 2. The coil fins shall have a factory applied corrosion resistant GoldFin™ material with hydrophilic coating.
 - 3. The coil shall be protected with an integral metal guard.
 - 4. Refrigerant flow from the outdoor unit shall be controlled by means of a digitally controlled inverter driven scroll compressor.
- F. Electrical:
 - 1. The outdoor unit shall be capable of operation within voltage limits of +/- 10% rated voltage.
 - 2. The outdoor unit shall be controlled by integral microprocessors.
 - 3. The control circuit between the indoor units, heat recovery box and the outdoor unit shall be 24VDC completed using a 2-conductor, stranded, and shielded cable for the RS485 daisy chain communication.

3.4 WALL-MOUNTED INDOOR UNIT

- A. General:
 - 1. Wall-mounted indoor units shall protrude from the wall no more than 7 inches.
 - 2. Shall be designed for use with R410a refrigerant.
 - 3. Shall be installed with heat pump or simultaneous heating and cooling heat pump VRF systems of the same manufacturer.
 - 4. The indoor unit shall communicate with the outdoor unit via RS485 daisy chain communication.
- B. Indoor Unit

1. The indoor unit shall be factory assembled, wired and run tested.
2. The indoor unit shall be factory wired and piped with its own electronic expansion device, control circuit board, fan and motor.
3. The indoor unit shall have
 - a. self-diagnostic function
 - b. auto restart function
4. Indoor unit refrigerant circuit shall be filled with a dry nitrogen gas charge from the factory.

C. Unit Cabinet:

1. The unit casing shall have a morning fog finish.
2. Multi directional refrigerant piping up to four (4) directions shall be standard.
3. Multi directional drain piping up to two (2) directions shall be standard.
4. The indoor unit shall attach to a separate back plate that secures the unit to the wall.
5. Indoor unit casing shall have integral sensor to read wireless handheld remote controller as standard from the factory.
- 6.

D. Filter:

1. Return air shall be filtered with a factory supplied removable, disposable filter.

E. Fan:

1. The indoor fan shall be an assembly with one cross flow fan direct driven by a single motor.
2. The indoor fan shall be statically and dynamically balanced.
3. Motor shall have permanently lubricated bearings.
4. In cooling mode, the indoor fan shall have the following settings; Low, Med, High, Power Cool, and Auto.
5. In heating mode, the indoor fan shall have the following settings; Low, Med, High, and Auto.
6. The fan shall have a selectable Auto fan setting that will adjust the fan speed based on the difference between controller set-point and space temperature.
7. A manually adjustable guide vane shall be factory installed allowing the ability to control the direction of airflow from side to side for units 15MBh and below.
8. A motorized sweeping guide vane shall be factory installed allowing the ability to control the direction of airflow from side to side for units 18MBh and above.
9. A motorized air sweep louver shall provide an automatic change in airflow by directing the air up and down to provide uniform air distribution.

F. Coil:

1. The indoor unit coil shall be nonferrous with louvered fins on copper tubing for maximum efficiency.
2. The tubing shall have inner grooves for high efficiency heat exchange.
3. The coils shall be pressure tested at the factory.
4. A condensate drain pan shall be factory installed below the coil.
5. All refrigerant lines to the indoor units shall be field insulated.

G. Electrical:

1. The indoor unit electrical power shall be 208/230V, 1-phase, 60 Hz.
2. The indoor unit shall be capable of operation within voltage limits of +/-10% rated voltage.

H. Controls:

1. Unit shall use controls provided by the manufacturer to perform all functions necessary to operate the system effectively and efficiently and communicate with the outdoor unit over an RS485 daisy chain.

3.5 HIGH STATIC CEILING-CONCEALED DUCTED INDOOR UNIT

A. General:

1. High static ceiling concealed duct indoor unit shall mount fully concealed within the ceiling.
 2. Shall be designed for use with R410a refrigerant.
 3. Shall be installed with heat pump or simultaneous heating and cooling heat pump VRF systems of the same manufacturer.
 4. The indoor unit shall communicate with the outdoor unit via RS485 daisy chain communication.
 5. Field installed ductwork shall not exceed the external static pressure limitation of the high static ducted indoor unit.
- B. Indoor Unit:
1. The indoor unit shall be factory assembled, wired and run tested.
 2. The indoor unit shall be factory wired and piped with its own electronic expansion device, control circuit board, fan and motor.
 3. The indoor unit shall have
 - a. self-diagnostic function
 - b. auto restart function
 4. Indoor unit refrigerant circuit shall be filled with a dry nitrogen gas charge from the factory.
- C. Unit Cabinet:
1. The cabinet shall be ceiling-concealed and ducted.
- D. Filter:
1. Return air shall be filtered with a factory supplied removable, disposable filter.
- E. Fan:
1. The indoor unit fan shall be no more than one assembly with two Sirocco fans direct driven by a single motor.
 2. The indoor fan shall be statically and dynamically balanced.
 3. Motor shall have permanently lubricated bearings.
 4. In cooling mode, the indoor fan shall have the following settings; Low, Med, and High.
 5. In heating mode, the indoor fan shall have the following settings; Low, Med, and High.
- F. Coil:
1. The indoor unit coil shall be nonferrous with louvered fins on copper tubing for maximum efficiency.
 2. The tubing shall have inner grooves for high efficiency heat exchange.
 3. The coils shall be pressure tested at the factory.
 4. A condensate drain pan shall be factory installed below the coil.
 5. All refrigerant lines to the indoor units shall be field insulated.
- G. Condensate Pump:
1. The unit shall include a factory installed condensate pump that will be able to raise drain water 27.5 inches above the bottom of the indoor unit.
- H. Electrical:
1. The unit electrical power shall be 208/230 volts, 1-phase, 60 Hz.
 2. The indoor unit shall be capable of operation within voltage limits of +/-10% rated voltage.
- I. Controls:
1. Unit shall use controls provided by the manufacturer to perform all functions necessary to operate the system effectively and efficiently and communicate with the outdoor unit over an RS485 daisy chain.

END OF SECTION 227000

SECTION 227310 - PACKAGED TERMINAL AIR CONDITIONERS

PART I – SPECIFICATION DATA

I.1 GENERAL

- A. The contractor will furnish Vertical/Packaged Terminal Air Conditioners of the sizes, capacities, and configuration (horizontal or vertical) shown on the schedule and in the specifications. The units shall be located as shown on the drawings and each shall consist of a chassis, room cabinet, wall case, sub-base if specified, and outdoor grille. Units shall be listed by UL, and ARI and UL certified as to capacity and efficiency.
- B. Refer to enlarged HVAC/Electrical plans and specifications for guest room control requirements.
- C. Each unit shall have a matching, easily removable, textured finish, wrap-around room cabinet molded of high temperature styrene to resist corrosion and damage. The room cabinet shall have slide-out washable filters accessible without requiring removal of room cabinet from chassis.
- D. Hermetically sealed refrigerant system with external vibration isolated rotary-type compressor, condenser and evaporator coils and capillary refrigerant control. Cooling shall be possible to outdoor temperature of 35°F without damage to the compressor. Airflow system consisting of one permanently lubricated two-speed fan motor for the outdoor fan and a separate permanently lubricated two-speed fan motor for the indoor fan. Outdoor fan shall be multi-blade axial-flow design made of non-corrosive material. Indoor fan shall be of a design to optimize airflow and operating sound. All motors on the exterior side of the weather barrier shall be of an enclosed design to reduce the effects of moisture and corrosion.
- E. Line-cord connected units shall require a line cord power connection kit with integral Leakage Current Detection and Interruption device or Arc Fault Current Interrupter as required by National Electrical Code and Underwriters Laboratories. The unit shall have a universal resistance heater with output determined by connection to the power source with the appropriate power connection kit to provide specified heat output.
- F. A fan-cycle switch to permit continuous fan operation or fan cycle operation, independently selectable for heating and cooling operation.
- G. Fan-only operation in either high or low fan speed selectable by room occupant.
- H. A positive cooling condensate disposal system which meets the test requirements of applicable A.R.I. Standard 380-04 for Packaged Terminal Air Conditioner at 80°F dry bulb, 75°F wet bulb, 80% relative humidity.
- I. Condenser and evaporator coils to be constructed of copper tubing and aluminum plate fins designed to achieve EER and COP rating of the unit.
- J. Indoor and outdoor airflows that match the capacity of the coils for efficient heat transfer. Water blow-off shall not occur on the indoor coil.
- K. Adjustable indoor discharge air louvers that provide a 50° off vertical air pattern with an alternate position to provide a 40° off vertical air pattern.
- L. Positive-closing, manually controlled, three-position fresh-air vent capable of providing selection of fully open, partially open or closed setting. Vent door is to be secured for shipping.

- M. Freeze protection to automatically activate the electric resistance heater and fan motor to warm and circulate indoor air to help prevent damage due to freezing temperatures. The freeze protection shall operate as long as unit is connected to powered electrical circuit and unit shall provide ability for owner to disable the freeze protection operation.
- N. Remote Thermostat compatibility with Class 2 remote thermostat.
- O. Connections to interface with a transfer fan to move air into another room.
- P. Connections to interface with occupancy sensors.
- Q. Unit shall have means of electrical connection listed by Underwriters Laboratories and compatible with the unit's required voltage and ampacity in conformance with National Electrical Code® (NEC) and local codes.
- R. The wall case shall be constructed of heavy-gauge, insulated, zinc-coated phosphated steel with a protective baked-on enamel finish. Bottom critical points of the steel wall case shall be coated with petroleum microcrystalline wax for added corrosion protection and shall meet ASTM B-117, 1800-hour hot air aerated salt spray test.
- S. Each unit shall have a field-installed UL-listed electrical sub-base. The sub-base shall be attached to the lower inside flange of the wall case prior to installation in the exterior wall. It shall include adjustable screws at the bottom corners to permit exact leveling of the wall case. The sub-base shall have a factory-installed receptacle to allow unit line cord to plug into mating receptacle and shall have a chaseway to contain and conceal the line cord. The sub-base shall have side panels adjustable from a minimum of 2-3/8" to a maximum of 13-3/4" to enclose the area under the wall case.
- T. Refer to PTAC/VTAC schedules on plans for exterior louver requirements.
- U. Complete unit including outside louver shall be submitted to an independent agency for weather resistance tests. Air infiltration test to be conducted in accordance with ASTM E283-91. With static air pressure differential of 1.57 lb./ft.2 (.3" H₂O) equivalent to 25 mph wind, allowable air infiltration shall not exceed 7 ft.3/min.

I. 2 WARRANTY

- A. The warranty shall be a full one-year parts and labor on the entire unit, plus an additional full four years parts and labor for the sealed refrigerating system, including service call for diagnosis and transportation to and from service shop (if necessary) at no charge to the customer. The warranty shall also include a limited second through fifth year parts only warranty for fan motors, switches, thermostat, heater, heater protectors, compressor overload, solenoids, circuit boards, auxiliary controls, thermistors, frost controls, ICR pump, capacitors, varistors and indoor blower bearing.

I. 3 INSTALLATION AND STARTUP

- A. Units shall be installed according to the manufacturer's recommendations and the manufacturer shall not be responsible for unit failure as a result of improper installation, or unit performance when installed with accessories not approved by the manufacturer.
- B. Contractor shall be responsible for the initial starting of units, adjustments thereto, etc., to place the units in required operating condition. Contractor shall demonstrate to the owner or his representative the operation of units for both summer and winter functions.

I. 4 ACCEPTABLE MANUFACTURERS

April 21, 2023

Staybridge Suites
Springfield, Missouri

- A. General Electric
- B. Friedrich
- C. Amana

END OF SECTION 227310

SECTION 22 8126- MINI-SPLIT SYSTEMS

PART 1 - GENERAL

I.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

I.2 SYSTEM DESCRIPTION

- A. Heat Pump split system with Variable Speed Inverter Compressor technology. The system shall consist of a horizontal discharge, single phase outdoor unit, a matched capacity indoor section that shall be equipped with a wired wall-mounted, wireless wall-mounted or wireless handheld remote controller.

I.3 MANUFACTURERS

- A. Daikin, LG or pre-bid approved equal.

I.4 QUALITY ASSURANCE

- A. The units shall be tested by a Nationally Recognized Testing Laboratory (NRTL) and shall bear the ETL label.
- B. All wiring shall be in accordance with the National Electrical Code (N.E.C.) and local codes as required.
- C. The units shall be rated in accordance with Air-conditioning, Heating, and Refrigeration Institute's (AHRI) Standard 240 and bear the ARI Certification label.
- D. The units shall be manufactured in a facility registered to ISO 9001 and ISO 14001, which is a set of standards applying to environmental protection set by the International Standard Organization (ISO).
- E. A dry air holding charge shall be provided in the indoor section.
- F. The outdoor unit shall be pre-charged with R-410a refrigerant for 70 feet (20 meters) of refrigerant tubing.- PUZ42NHA4 for 100 feet (30 meters) of refrigerant tubing

- G. System efficiency shall meet or exceed SEER / HSPF values below:

When used with Indoor Unit	SEER	HSPF
PCA Ceiling Suspended Type	14.4	9.2
PEA / PEAD Ducted Type	13.8	9.4
PKA Wall Mounted Type	14.0	8.9
PLA Ceiling Recessed Cassette Type	13.6	8.5

I.5 DELIVERY, STORAGE AND HANDLING

- A. Unit shall be stored and handled according to the manufacturer's recommendations.
- B. The controller shall be shipped separately and shall be able to withstand 105°F storage temperatures and 95% relative humidity without adverse effect.

PART 2 - PRODUCTS

2.1 OUTDOOR DESIGN

DUCTLESS MINI SPLIT SYSTEMS

228126 - I

- A. The outdoor unit shall be compatible with the four different types of indoor units. The connected indoor unit shall be of the same capacity as the outdoor unit. Option: Indoor unit Twinning is allowed as described in 3.02 below.
- B. The outdoor unit shall be equipped with an electronic control board that interfaces with the indoor unit to perform all necessary operation functions.
- C. The outdoor unit shall be capable of cooling operation down to 0°F (-18°C) ambient temperature without additional low ambient controls (optional wind baffle shall be required).
- D. The outdoor unit shall be able to operate with a maximum height difference of 100 feet (30 meters) between indoor and outdoor units.
- E. System shall operate at up to a maximum refrigerant tubing length of 100 feet (30 meters) for the 18,000 and 165 feet (50 meters) for the 24,000, 30,000, 36,000, and 42,000 BTU/h units between indoor and outdoor units without the need for line size changes, traps or additional oil. Models PUZ-A18/24/30/36NHA4 shall be pre-charged for a maximum of 70 feet (20 meters) of refrigerant tubing – for 100 feet (30 meters).
- F. The outdoor unit shall be completely factory assembled, piped, and wired. Each unit must be test run at the factory.
- G. Cabinet:
 - The casing shall be constructed from galvanized steel plate, finished with an electrostatically applied, thermally fused acrylic or polyester powder coating for corrosion protection and have a Munsell 3Y 7.8/1.1 finish.
 - Mounting feet shall be provided and shall be welded to the base of the cabinet and be of sufficient size to afford reliable equipment mount and stability.
 - Easy access shall be afforded to all serviceable parts by means of removable panel sections.
 - The fan grill shall be of ABS plastic.
 - Cabinet mounting and construction shall be sufficient to withstand 155 MPH wind speed conditions for use in Hurricane condition areas. Mounting, base support, and other installation to meet Hurricane Code Conditions shall be by others.
- H. Fan:
 - Shall be furnished with a single DC fan motor. Shall have two (2) DC fan motors.
 - The fan blade(s) shall be of aerodynamic design for quiet operation, and the fan motor bearings shall be permanently lubricated.
 - The outdoor unit shall have horizontal discharge airflow. The fan shall be mounted in front of the coil, pulling air across it from the rear and discharging it through the front. The fan shall be provided with a raised guard to prevent external contact with moving parts.
- I. Coil:
 - The L shaped condenser coil shall be of copper tubing with flat aluminum fins to reduce debris build up and allow maximum airflow. The coil shall be protected with an integral metal guard. Refrigerant flow from the condenser shall be controlled by means of an electronic linear expansion valve (LEV) metering device. The LEV shall be control by a microprocessor controlled step motor.
 - All refrigerant lines between outdoor and indoor units shall be of annealed, refrigeration grade copper tubing, ARC Type, meeting ASTM B280 requirements, individually insulated in twin-tube, flexible, closed-cell, CFC-free (ozone depletion potential of zero), elastomeric material for the insulation of refrigerant pipes and tubes with thermal conductivity equal to or better than 0.27 BTU-inch/hour per Sq Ft / °F, a water vapor transmission equal to or better than 0.08 Perm-inch and superior fire ratings such that insulation will not contribute significantly to fire and up to 1"

thick insulation shall have a - Flame-Spread Index of less than 25 and a Smoke-development Index of less than 50 as tested by ASTM E 84 and CAN / ULC S-102.

J. Compressor:

The compressor shall be a DC twin-rotor rotary compressor with Variable Speed Inverter Drive Technology. The compressor shall be a Frame Compliant Scroll compressor with Variable Speed Inverter Drive Technology.

The compressor shall be driven by inverter circuit to control compressor speed. The compressor speed shall dynamically vary to match the room load for significantly increasing the efficiency of the system which shall result in significant energy savings.

To prevent liquid from accumulating in the compressor during the off cycle, a minimal amount of current shall be automatically, intermittently applied to the compressor motor windings to maintain sufficient heat to vaporize any refrigerant. No crankcase heater is to be used.

The outdoor unit shall have an accumulator and high pressure safety switch. The compressor shall be mounted to avoid the transmission of vibration.

K. Operating Range:

Operating Range		Indoor Air Intake Temperature	Outdoor Air Intake Temperature
Cooling	Maximum	D.B. 95°F (35°C) W.B. 71°F (21.7°C)	D.B. 115°F (46°C)
	Minimum	D.B. 67°F (19.4°C) W.B. 57°F (13.9°C)	D.B. 0°F (-18°C)*
Heating	Maximum	D.B. 80°F (26.7°C) W.B. 67°F (19.4°C)	D.B. 70°F (21.1°C) W.B. 59°F (15°C)
	Minimum	D.B. 70°F (21.1°C) W.B. 60°F (15.6°C)	D.B. 12°F (-11.1°C) W.B. 10°F (-12.2°C)

* Requires wind baffle – without wind baffle: D.B. 23°F (-5°C)

Unit shall be able to provide 100% capacity when operating at 0°F outdoor air temperature and a wind baffle is used.

2.2 WALL MOUNTED TYPE

- A. The indoor unit shall be factory assembled, wired and tested. Contained within the unit shall be all factory wiring and internal piping, control circuit board and fan motor. The unit, in conjunction with the wired wall-mounted, wireless wall-mounted or wireless handheld controller, shall have a self-diagnostic function, 3-minute time delay mechanism, an auto restart function, and a test run switch. Indoor unit and refrigerant pipes shall be purged with dry air before shipment from the factory.

B. Unit Cabinet:

The cabinet shall be formed from high strength molded plastic with smooth finish, flat front panel design with access for filter. Cabinet color shall be white – Munsell 1.0Y 9.2/0.2. The unit shall be wall mounted by means of a factory supplied, pre-drilled, mounting plate.

C. Fan:

The indoor unit fan shall be high performance, double inlet, forward curve, direct drive sirocco fan with a single motor. The fans shall be statically and dynamically balanced and run on a motor with permanently lubricated bearings. The indoor fan shall consist of three (3) speeds: Low, Mid, and Hi and Auto. The fan shall have a selectable Auto fan setting that will adjust the fan speed based on the difference between controller set-point and space temperature.

Indoor unit sound level shall not exceed the levels below:

D. Vane:

There shall be a motorized horizontal vane to automatically direct air flow in a horizontal and downward direction for uniform air distribution. The horizontal vane shall significantly decrease downward air resistance for lower sound levels, and shall close the outlet port when operation is stopped. There shall also be a set of vertical vanes to provide horizontal swing airflow movement.

E. Filter:

Return air shall be filtered by means of an easily removable washable filter.

F. Coil:

The evaporator coil shall be of nonferrous construction with pre-coated aluminum strake fins on copper tubing. The multi-angled heat exchanger shall have a modified fin shape that reduces air resistance for a smoother, quieter airflow. All tube joints shall be brazed with PhosCopper or silver alloy. The coils shall be pressure tested at the factory. A condensate pan and drain shall be provided under the coil. An optional drain pan level switch (DPLSI), designed to connect to the control board, shall be provided if required, and installed on the condensate pan to prevent condensate from overflowing.

G. Electrical:

The electrical power of the unit shall be 208 volts or 230 volts, 1 phase, 60 hertz. The system shall be capable of satisfactory operation within voltage limits of 187 volts to 253 volts. The power to the indoor unit shall be supplied from the outdoor unit. A three (3) conductor AWG-14 wire with ground shall provide power feed and bi-directional control transmission between the outdoor and indoor units.

H. Performance:

Each system shall perform in accordance to the ratings shown in the table below. Cooling performance shall be based on 80°F DB, 67°F WB (26.7°C DB, 19.4°C WB) for the indoor unit and 95°F DB, 75°F WB (35°C DB, 29.3°C WB) for the outdoor unit. Heating performance shall be based on 70°F DB, 60°F WB (21.1°C DB, 15.6°C WB) for the indoor unit and 47°F DB, 15°F WB (8.3°C DB, 6.1°C WB) for the outdoor unit.

TPW = Total Power Watts

I. System Control:

The control system shall consist of a minimum of two (2) microprocessors, one on each indoor and outdoor unit, interconnected by a single non-polar two-wire cable. The microprocessor located in the indoor unit shall have the capability of monitoring return air temperature and indoor coil temperature, receiving and processing commands from a wireless or wired controller, providing emergency operation and controlling the outdoor unit. The control signal between the indoor and outdoor unit shall be pulse signal 24 volts DC. Indoor units shall have the ability to control supplemental heat via connector CN152 and a 12 VDC output.

The indoor unit control board shall have auxiliary control contact connectors.

Remote Controllers:

- a. All remote controllers need to be ordered separately from the unit.

2.3 WARRANTY

- A. The units shall have a manufacturer's parts and defects warranty for a period five (5) year from date of installation. The compressor shall have a warranty of seven (7) years from date of installation. If, during this period, any part should fail to function properly due to defects in workmanship or material, it shall be replaced or repaired at the discretion of the manufacturer. This warranty does not include labor.

April 21, 2023

Staybridge Suites
Springfield, Missouri

- B. Manufacturer shall have over thirty (30) years of continuous experience in the U.S. market.

END OF SECTION 22 8126

SECTION 228150 – METAL DUCTWORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 01 Specification Sections, section 220100 - General Mechanical Requirements, section 220500 – Basic Mechanical Materials and Methods shall apply to this Section.

1.2 SUMMARY

- A. This Section includes metal ducts for supply, return, outside, and exhaust air-distribution systems in pressure classes from minus 2- to plus 10-inch wg. Metal ducts include the following:
 - 1. Rectangular ducts and fittings.
 - 2. Single-wall, round spiral-seam ducts and formed fittings.
 - 3. Double-wall, round spiral-seam ducts and formed fittings.
 - 4. Duct liner.

1.3 SYSTEM DESCRIPTION

- A. Duct system design, as indicated, has been used to select size and type of air-moving and -distribution equipment and other air system components. Changes to layout or configuration of duct system must be specifically approved in writing by Engineer.

PART 2 - PRODUCTS

2.1 SHEET METAL MATERIALS

- A. Provide commercial quality prime, bright spangled galvanized sheet steel, on all ductwork. Sheet metal shall be manufactured in the United States of America.
- B. Comply with SMACNA's "HVAC Duct Construction Standards--Metal and Flexible" for acceptable materials, material thicknesses, and duct construction methods, unless otherwise indicated. Sheet metal materials shall be free of pitting, seam marks, roller marks, stains, discolorations, and other imperfections.
- C. Galvanized Sheet Steel: Lock-forming quality; complying with ASTM A 653/A 653M and having G90 coating designation; ducts shall have mill-phosphatized finish for surfaces exposed to view.
- D. Aluminum Sheets: Comply with ASTM B 209 Alloy 3003, H14 temper; with mill finish for concealed ducts, and standard, one-side bright finish for duct surfaces exposed to view.

2.2 SEALANT MATERIALS

- A. Water-Based Joint and Seam Sealant: Flexible, adhesive sealant, resistant to UV light when cured, UL 723 listed, and complying with NFPA requirements for Class I ducts.

2.3 HANGERS AND SUPPORTS

- A. Building Attachments: Concrete inserts, powder-actuated fasteners, or structural-steel fasteners appropriate for construction materials to which hangers are being attached.
 - 1. Use powder-actuated concrete fasteners for standard-weight aggregate concretes or for slabs more than 4 inches thick.

2. Exception: Do not use powder-actuated concrete fasteners for lightweight-aggregate concretes or for slabs less than 4 inches thick.
- B. Hanger Materials: Galvanized sheet steel or threaded steel rod.
 1. Strap and Rod Sizes: Comply with SMACNA's "HVAC Duct Construction Standards--Metal and Flexible" for steel sheet width and thickness and for steel rod diameters.
- C. Duct Attachments: Sheet metal screws, blind rivets, or self-tapping metal screws; compatible with duct materials.
- D. Trapeze and Riser Supports: Steel shapes complying with ASTM A 36/A 36M.
 1. Supports for Galvanized-Steel Ducts: Galvanized-steel shapes and plates.

2.4 RECTANGULAR DUCT FABRICATION

- A. Fabricate ducts, elbows, transitions, offsets, branch connections, and other construction according to SMACNA's "HVAC Duct Construction Standards--Metal and Flexible" and complying with requirements for metal thickness, reinforcing types and intervals, tie-rod applications, and joint types and intervals.
 1. Lengths: Fabricate rectangular ducts in lengths appropriate to reinforcement and rigidity class required for pressure class.
 2. Deflection: Duct systems shall not exceed deflection limits according to SMACNA's "HVAC Duct Construction Standards--Metal and Flexible."
- B. Cross Breaking or Cross Beading: Cross break or cross bead duct sides 19 inches and larger and 0.0359 inch thick or less, with more than 10 sq. ft. of nonbraced panel area unless ducts are lined.
- C. Provide turning vanes in all elbows over 20 degrees unless otherwise noted.
- D. Make ductwork transitions with sides sloped not to exceed a maximum of 20 degrees, 40 degrees included angle for diverging air flow and 30 degrees, 60 degrees included angle for converging air flow. Factory fabricated reducing fittings of ASME short flow nozzle design will be acceptable for round ductwork.

2.5 APPLICATION OF LINER IN RECTANGULAR DUCTS

- A. All metal ductwork scheduled for interior thermal and acoustical liner is not sized on plans to include the proper thickness of insulation. Add 1 " or 2" in height and width of ductwork to accommodate insulation thickness. Mount duct specialties such as turning vanes, damper, etc., to ductwork with the section insulated "Build Outs" to maintain continuity of thermal barrier.
- B. Adhere a single layer of duct liner with at least 90 percent adhesive coverage at liner contact surface area. Attaining indicated thickness with multiple layers of duct liner is prohibited.
- C. Apply adhesive to transverse edges of liner facing upstream that do not receive metal nosing.
- D. Butt transverse joints without gaps and coat joint with adhesive.
- E. Fold and compress liner in corners of rectangular ducts or cut and fit to ensure butted-edge overlapping.
- F. Secure liner with mechanical fasteners 4 inches from corners and at intervals not exceeding 12 inches transversely; at 3 inches from transverse joints and at intervals not exceeding 18 inches longitudinally.
- G. Secure transversely oriented liner edges facing the airstream with metal nosings that have either channel or "Z" profiles or are integrally formed from duct wall. Fabricate edge facings at the following locations:

1. Fan discharges.
2. Intervals of lined duct preceding unlined duct.

2.6 ROUND DUCT AND FITTING FABRICATION

- A. Round, Longitudinal- and Spiral Lock-Seam Ducts: Fabricate supply ducts of galvanized steel according to SMACNA's "HVAC Duct Construction Standards--Metal and Flexible."
- B. Duct Joints:
 1. Ducts up to 20 Inches in Diameter: Interior, center-beaded slip coupling, sealed before and after fastening, attached with sheet metal screws.
- C. 90-Degree Tees and Laterals and Conical Tees: Fabricate to comply with SMACNA's "HVAC Duct Construction Standards--Metal and Flexible," with metal thicknesses specified for longitudinal-seam straight ducts.
- D. Diverging-Flow Fittings: Fabricate with reduced entrance to branch taps and with no excess material projecting from fitting onto branch tap entrance.
- E. Fabricate elbows using die-formed, gored, pleated, or mitered construction. Bend radius of die-formed, gored, and pleated elbows shall be 1-1/2 times duct diameter. Unless elbow construction type is indicated, fabricate elbows as follows:
 1. Mitered-Elbow Radius and Number of Pieces: Welded construction complying with SMACNA's "HVAC Duct Construction Standards--Metal and Flexible," unless otherwise indicated.
 2. Round Elbows 8 Inches and Less in Diameter: Fabricate die-formed elbows for 45- and 90-degree elbows and pleated elbows for 30, 45, 60, and 90 degrees only. Fabricate nonstandard bend-angle configurations or nonstandard diameter elbows with gored construction.
 3. Round Elbows 9 through 14 Inches in Diameter: Fabricate gored or pleated elbows for 30, 45, 60, and 90 degrees unless space restrictions require mitered elbows. Fabricate nonstandard bend-angle configurations or nonstandard diameter elbows with gored construction.
 4. Round Elbows Larger Than 14 Inches in Diameter: Fabricate gored elbows unless space restrictions require mitered elbows.

2.7 DOUBLE-WALL DUCT AND FITTING FABRICATION

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following manufacturers: Lewis & Lambert, Lindab Inc. or McGill Airflow.
- B. Ducts: Fabricate double-wall insulated ducts with an outer shell and an inner duct. Dimensions indicated are for inner ducts.
 1. Outer Shell: Base metal thickness on outer-shell dimensions. Fabricate outer-shell lengths 2 inches longer than inner duct and insulation and in metal thickness specified for single-wall duct.
 2. Insulation: 1-inch- thick fibrous glass, unless otherwise indicated. Terminate insulation where double-wall duct connects to single-wall duct or uninsulated components, and reduce outer shell diameter to inner duct diameter.
 3. Thermal Conductivity (k-Value): 0.26 at 75 deg F mean temperature.
 4. Perforated Inner Ducts: Fabricate with 0.028-inch- thick sheet metal having 3/32-inch- diameter perforations, with overall open area of 23 percent.
 5. Maintain concentricity of inner duct to outer shell by mechanical means. Prevent dislocation of insulation by mechanical means.

2.8 EXHAUST DUCTS FOR KITCHEN HOODS

- I. Ductwork: All exhaust ductwork from the exhaust hood to the exhaust fan shall be 16 gauge welded black iron, liquid tight, and shall conform to the latest edition of NFPA Bulletin 96, and to all local codes regarding elbows, traps, access doors and insulation. All ductwork from the untempered supply air fan to the exhaust hood shall conform to current SMACNA standards and the latest edition of NFPA Bulletin 96. Do not install dampers or turning vanes in hood exhaust ducts. All ductwork downstream of exhaust fan shall be single wall liquid tight sheet metal in accordance to SMACNA standards. Refer to ductwork insulation schedule for grease exhaust duct installation requirements.
2. Dishwasher exhaust hoods and/or ducts need not comply with these requirements.

PART 3 - EXECUTION

3.1 DUCT APPLICATIONS

- A. Static-Pressure Classes: Each duct system shall be constructed throughout for the specific pressure classifications shown on the contract documents in equipment or fan schedules listed as external or total static pressure.

3.2 DUCT INSTALLATION

- A. Construct and install ducts according to SMACNA's "HVAC Duct Construction Standards--Metal and Flexible," unless otherwise indicated.
- B. Construct and install ductwork to be completely free from vibration under all conditions of operation. Support and securely anchor ductwork and equipment from structural framing of building. Provide suitable intermediate metal framing where required between building structural framing.
- C. Install round and flat-oval ducts in lengths not less than 12 feet unless interrupted by fittings.
- D. Install ducts with fewest possible joints.
- E. Install fabricated fittings for changes in directions, size, and shape and for connections.
- F. Install couplings tight to duct wall surface with a minimum of projections into duct. Secure couplings with sheet metal screws. Install screws at intervals of 12 inches, with a minimum of 3 screws in each coupling.
- G. Install ducts, unless otherwise indicated, vertically and horizontally and parallel and perpendicular to building lines; avoid diagonal runs.
- H. Install ducts close to walls, overhead construction, columns, and other structural and permanent enclosure elements of building.
- I. Install ducts with a clearance of 1 inch, plus allowance for insulation thickness.
- J. Conceal ducts from view in finished spaces. Do not encase horizontal runs in solid partitions unless specifically indicated.
- K. Seal all joints and seams. Apply sealant to male end connectors before insertion, and afterward to cover entire joint and sheet metal screws.
- L. Electrical Equipment Spaces: Route ducts to avoid passing through transformer vaults and electrical equipment spaces and enclosures.

- M. Non-Fire-Rated Partition Penetrations: Where ducts pass through interior partitions and exterior walls and are exposed to view, conceal spaces between construction openings and ducts or duct insulation with sheet metal flanges of same metal thickness as ducts. Overlap openings on 4 sides by at least 1-1/2 inches.
- N. Fire-Rated Partition Penetrations: Where ducts pass through interior partitions and exterior walls, install appropriately rated fire dampers, sleeves, and firestopping sealant. Fire and smoke dampers are specified in Division 22 Section "Duct Accessories." Firestopping materials and installation methods are specified in Division 07 Section "Through-Penetration Firestop Systems."
- O. Protect duct interiors from the elements and foreign materials until building is enclosed. Follow SMACNA's "Duct Cleanliness for New Construction."

3.3 SEAM AND JOINT SEALING

- A. Seal duct seams and joints according to SMACNA's "HVAC Duct Construction Standards--Metal and Flexible" for duct pressure class indicated.
 - I. For pressure classes lower than 2-inch wg (500 Pa), seal transverse joints.
- B. Seal ducts before external insulation is applied.

3.4 HANGING AND SUPPORTING

- A. Support horizontal ducts within 24 inches of each elbow and within 48 inches of each branch intersection.
- B. Support vertical ducts at maximum intervals of 16 feet and at each floor.
- C. Install upper attachments to structures with an allowable load not exceeding one-fourth of failure (proof-test) load.
- D. Install concrete inserts before placing concrete.
- E. Install powder-actuated concrete fasteners after concrete is placed and completely cured.
 - I. Do not use powder-actuated concrete fasteners for lightweight-aggregate concretes or for slabs less than 4 inches thick.

3.5 CONNECTIONS

- A. Make connections to equipment with flexible connectors according to Division 22 Section "Duct Accessories & HVAC Specialties."
- B. Comply with SMACNA's "HVAC Duct Construction Standards--Metal and Flexible" for branch, outlet and inlet, and terminal unit connections.

END OF SECTION 228150

SECTION 228200 – DUCT ACCESSORIES AND HVAC SPECIALTIES

PART 1 - GENERAL

I.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 01 Specification Sections, section 220100 - General Mechanical Requirements, section 220500 – Basic Mechanical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS

- A. Specialties shall be factory fabricated items designed for low, medium or high velocity systems as indicated on contract documents. Submit shop drawings on all specialties required with shop drawings of ductwork layout. Specialties shall be as follows:
 - 1. Turning Vanes: Turning vanes shall be a true airfoil design; smoothly-rounded entry nose with extended trailing edge. Generated sound power level shall not exceed 54 decibels in band 4 at 2,000 FPM—duct size 24 x 24. Turning vanes shall be H•E•P—High Efficiency Profile—as manufactured by Aero/Dyne Co. or equivalent. Assemblies shall be fabricated with Aero/DyneCo. side rails; vanes installed on design centers across the full diagonal dimension of the elbow.
 - 2. Control Damper: (Round) Provide Ruskin model CDRS25. Equivalent by Carnes, CESCO, Greenheck, Nailor, Prefco, Titus, United McGill and, Louvers & Dampers Co.
 - 3. Volume Dampers: (Round - Velocities 1500 FPM and less) Provide Ruskin model MDRS25. Equivalent by Carnes, CESCO, Greenheck, Nailor, Prefco, Titus, United McGill and, Louvers & Dampers Co.
 - 4. Volume Dampers: (Rectangular - Velocities 1500 FPM and less) Provide Ruskin model MD35. Equivalent by Carnes, CESCO, Greenheck, Nailor, Prefco, Titus, United McGill and, Louvers & Dampers Co.
 - 5. Flexible Connections: Metaledge Ventglas prefabricated flexible connection of 3-1/4 inch wide heat and fire resistant neoprene coated glass fabric with two 3 inch wide 24 gauge metal strips attached to each edge. Duro-Dyne Corp. or equal. Provide stainless steel strips on acid exhaust fans.
 - 6. Flexible Connections: Metaledge Ventglas prefabricated flexible connection of 3-1/4 inch wide heat and fire resistant neoprene coated glass fabric with two 3 inch wide 24 gauge metal strips attached to each edge. Duro-Dyne Corp. or equal. Provide stainless steel strips on acid exhaust fans.
 - 7. Access Doors: Provide 12x12 access doors/panels in ductwork and hard ceilings for access to balance dampers, fire dampers, fire/smoke dampers etc., installed under this contract. Doors and frames shall be furnished in prime coat of gray rust inhibitive paint. Frames shall be seamless one-piece galvanized mild steel. The doors shall be outer and inner panels one-piece galvanized mild steel. The door insulation shall be a minimum of 1 " thick. Gasket shall be positive seal and fasteners progressive action cam locks type (zinc plated). Access doors shall be Nailor, Higgins, Milcor, CESCO or equal.
 - 8. Flexible duct shall be Flex master Type 8M flexible duct in accordance with NFPA BOA, NFPA 90B and UL compliance, Class I Air Duct. Duct shall be factory insulated with flexible fiberglass insulation with a minimum R-value of 5.0 at a mean temperature of 75 F. The insulation shall be covered with a reinforced aluminum pigmented vapor barrier jacket having a permeance of not greater than 0.05 perms when tested in accordance with ASTM E96, procedure A. Flexible duct shall be rated for a velocity of at least 4000 feet per minute and suitable for operating temperatures of at least 250 F. Internal working pressure rating shall be at least 6 inches W.C. positive and 4 inches W.C. negative. Equivalent flexible duct by ATCO, Wiremold or approved equal. Maximum flexible duct length of run shall be 5'-0" unless shown otherwise. Contractor shall submit acoustic performance factors for flexible duct. Performance

factors shall be equivalent to the flexible duct specified. All flexible duct installed in attics shall be insulated with flexible fiberglass insulation with a minimum R-value of 8.0 at a mean temperature of 75 F.

9. Round take-off fittings from medium, high, and low pressure rectangular ductwork shall be made with Buckley BMD or equal bell mouth fittings. H.E.T. High Efficiency takeoffs, Buckley Model 3300D or equal will be allowed, where space is not available.
10. Fire Dampers: (Wall/Floor) Provide, at locations shown on plans, dynamic rated fire dampers constructed and tested in accordance with UL Safety Standard 555. Each fire damper shall have a 1 1/2 hour fire protection rating, 212 F fusible link, and shall include a UL label in accordance with established UL labeling procedures. Damper Manufacturer's literature submitted for approval prior to installation shall include comprehensive performance data developed from testing in accordance with AMCA Standard 500 and shall illustrate pressure drops for all sizes of dampers required at all anticipated air flow rates. Fire dampers shall be equipped for vertical or horizontal installation as required by the location shown. Fire dampers shall be installed in wall and floor openings utilizing steel sleeves, angles, other materials, and practices required to provide an installation equivalent to that utilized by the manufacturer when dampers were tested at UL. Installation shall be in accordance with the damper manufacturer's instructions.
11. Combination fire/smoke dampers: Combination fire/smoke dampers shall be ruskin model FSD60-2, UL-555 and UL555S classified, 1-1/2 hour rated, leakage class II, combination fire/smoke damper with air-foil shaped blades, 250 deg. f. elevated temperature rating, 16 gauge factory frame, self lubricating bearings in stainless steel sleeve, jamb and blade seals, 212 deg. f. heat actuated quick detect controlled closure temperature release, 120 volt, 60 hz, two-position, fail closed externally mounted actuator, retaining angles, and integral sleeve. Provide accessories for out-of-wall installations as needed.
12. Ceiling Radiation Dampers: Provide at all ceiling penetrations in fire rated ceilings a U.L. Listed Fire Resistance Classified Ceiling Radiation Damper. Fire dampers with 1 1/2 or 3 hour rating for walls or floors are not to be used in fire rated ceiling openings due to the fact they do not provide the necessary heat barrier. Dampers shall have passed U.L. test and be labeled such for use in any fire-resisting floor or roof ceiling assembly with a restrained and or unrestrained assembly rating of 3 hours or less. Dampers shall be supplied with 165 degree fusible links. Units installed in T-Bar ceilings or with openings larger than diffuser/grille neck size (flared out necks above ceiling) shall be complete with U.L. Classified thermal insulating blankets. All installation shall be in accordance with manufacturers published installation instructions and U.L. 555C. Dampers shall be United Air CFD-R (Round), CFD-1 and CFD-2 (Square/Rectangular). Equivalent manufacturers shall be CESCO, Prefco, Louvers & Dampers, Nailor or Greenheck.
13. Counterbalanced Backdraft Dampers: Unless backdraft dampers have been specified with a piece of equipment, provide Ruskin model CBS7 counterbalanced backdraft dampers suitable for use in temperatures to 250 F and pressure differentials of 4" w.g. for 48" damper widths, 6" w.g. for 36" widths, 8" w.g. for 24" widths, and 10" w.g. for 12" widths. Damper frame shall be 8" x 2" x 14 gage steel channel, and blade shall be 16 gage galvanized steel. Axles shall be 1/2" diameter plated steel supported by ball bearings pressed into frame. Counterbalance weights shall be adjustable and mounted outboard of frame. Finish shall be mill galvanized.
14. Flexible Connections: Metaledge Ventglas prefabricated flexible connection of 3-1/4 inch wide heat and fire resistant neoprene coated glass fabric with two 3 inch wide 24 gauge metal strips attached to each edge. Duro-Dyne Corp. or equal. Provide stainless steel strips on acid exhaust fans.
15. Louvers, for Mechanical Systems: (Wind-Driven Rain Stationary) Provide louvers as indicated in the **LOUVER SCHEDULE** on the construction drawings. Louvers shall pass 800 fpm free area velocity with less than 0.15" water pressure drop. Wind Driven Rain Resistance; Based on testing a 39 inch by 39 inch core area, 41 inch by 44 inch nominal size louver in accordance with AMCA 500-L, 50 mph wind velocity and 8"/hour rainfall rate, 296 FPM core velocity, Water Resistance

April 21, 2023

Staybridge Suites
Springfield, Missouri

Effectiveness = 99.3 percent, (AMCA Class). Equivalent by Cesco, Prefco, Pottorff, Greenheck, Louvers & Dampers, and Ruskin.

16. Louvers, for Elevator Hoistway Venting: (Stationary) Provide louvers as indicated in the **LOUVER SCHEDULE** on the construction drawings. Louvers shall pass 1000 fpm free area velocity with less than 0.19" water pressure drop and shall carry less than 0.1 oz/sf of water during a 15 minute period when tested in accordance with AMCA Standard 500 Louvers shall bear the AMCA certified ratings. Equivalent by Cesco, Prefco, Pottorff, Greenheck, Louvers & Dampers, and Ruskin.

PART 3 - EXECUTION

A. SHEET METAL SPECIALTIES

- I. Install sheet metal specialties in accordance with the manufacturer's requirements.

END OF SECTION 228200

SECTION 228210 – DOAS ROOFTOP SPECIFICATIONS

PART 1-GENERAL

1.1 Section Includes:

- A. Semi-custom Packaged Rooftop Air Conditioners

1.2 SUBMITTALS

- A. Shop Drawings: Indicate assembly, unit dimensions, weight loading, required clearances, construction details, field connection details, electrical characteristics and connection requirements.
- B. Product Data:
 - 1. Provide literature that indicates dimensions, weights, capacities, ratings, and electrical characteristics and connection requirements.
 - 2. Provide data on filter media, filter performance, filter assembly, and filter frames.
 - 3. Provide computer generated fan curves with specified operating point clearly plotted.

1.3 OPERATION AND MAINTANENCE DATA

- A. Maintenance Data: Provide instructions for installation, maintenance and service

1.4 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing the Products specified in this section with minimum five years documented experience, who issues complete catalog data on total product.
- B. Startup must be done by trained personnel experienced with rooftop equipment.
- C. Do not operate units for any purpose, temporary or permanent, until ductwork is clean, filters and remote controls are in place, bearings lubricated, and manufacturers' installation instructions have been followed.

1.5 DELIVERY, STORAGE, HANDLING

- A. Deliver, store, protect and handle products to site.
- B. Handle carefully to avoid damage to components, enclosures, and finish
- C. Store in a clean, dry place to protect from weather and construction traffic.

PART 2-PRODUCTS

2.1 MANUFACTURERS

DOAS ROOFTOP SPECIFICATION

228210 - 1

- A. Daikin, AAON or pre-bid approved equal.

2.2 GENERAL DESCRIPTION

- A. Furnish as shown on plans. Unit performance and electrical characteristics shall be per the job schedule.
- B. Configuration: Fabricate as detailed on prints and drawings.
- C. The complete unit shall be ETL listed.
- D. Each unit shall be specifically designed for outdoor rooftop application and include a weatherproof cabinet. Units shall be of a modular design with factory installed access sections available to provide maximum design flexibility.
- E. Unit shall be completely factory assembled and shipped in one piece.
- F. Unit to be shipped
- G. The unit shall undergo a complete factory run test prior to shipment. The factory test shall include final balancing of all fan assemblies, a refrigeration circuit runtest, a unit control system operations checkout, a unit refrigerant leak test, and a final unit inspection.
- H. All units shall have decals and tags to indicate caution areas and aid unit service. Unit nameplates shall be fixed to the main control panel door. Electrical wiring diagrams shall be attached to the control panels. Installation, operating and maintenance bulletins and start-up forms shall be supplied with each unit.
- I. Performance: All scheduled capacities and face areas are the minimum accepted value. All scheduled amps, KW, and HP are maximum accepted values that allow scheduled capacity to be met.

2.3 CABINET

- A. Unit cabinet shall be designed to operate at total static pressures up to 6.5 inches w.g.
- B. Standard double-wall construction for all side wall access doors and floor areas shall be provided with heavy gauge solid galvanized steel inner liners to protect insulation during service and maintenance. Insulation on ceiling and end panels shall be secured with adhesive and mechanical fasteners. Insulation shall be a minimum of 2" thick, 3/4 lb. density neoprene coated glass fiber insulation.
- C. Exterior surfaces shall be constructed of pre-painted galvanized steel for aesthetics and long term durability. Paint finish to include a base primer with a high quality, polyester resin topcoat of a neutral beige color. Finished surface to withstand a minimum 700-hour salt spray test in accordance with ASTM B117 standard for salt spray resistance.
- D. Service doors shall be provided on both sides of each section in order to provide user access to all unit components. Service doors shall be constructed of heavy gauge galvanized steel with galvanized steel interior liners. All service doors shall be mounted on multiple, stainless steel hinges and shall be secured by a stainless steel latch system that is operated by a single handle. The latch system shall feature a staggered engagement for

ease of operation and a safety catch shall protect the user from injury in case a positive pressure door is opened while the fan is operating. Removable panels, or doors secured by multiple, mechanical fasteners are not acceptable.

- E. The unit base frame shall be constructed of 13 gauge pre-painted galvanized steel.
- F. The unit base shall overhang the roof curb for positive water runoff and shall have a formed recess that seats on the roof curb gasket to provide a positive, weathertight seal. Lifting brackets shall be provided on the unit base with lifting holes to accept cable or chain hooks.

2.4 FANS

- A. All fan assemblies shall be statically and dynamically balanced at the factory, including a final trim balance, prior to shipment. All fan assemblies shall employ solid steel fan shafts. Heavy-duty pillow block type, self-aligning, grease lubricated ball bearings shall be used. Bearings shall be sized to provide an L-50 life at 200,000 hours. The entire fan assembly shall be isolated from the fan bulkhead and mounted on rubber-in-shear isolators. pitch V-belt drives with matching belts shall be provided. V-belt drives shall be selected at the manufacturers standard service factor.
- B. Fan motors shall be heavy-duty 1800 rpm premium efficiency. Fan motors to have grease lubricated ball bearings. Motors shall be mounted on an adjustable base that provides for proper alignment and belt tension adjustment.
- C. Motor shall be Open Dripproof.
- D. Airfoil supply fans.
 - I. Supply fan shall be a double width, double inlet (DWDI) airfoil centrifugal fan. All fans shall be mounted using shafts and hubs with mating keyways. Fans shall be Class II type and fabricated from heavy-gauge aluminum. Fan blades shall be continuously welded to the back plate and end rim.
- E. Airfoil return fans.
 - I. A single width, single inlet (SWSI) airfoil centrifugal return air fan shall be provided. The fan shall be Class II construction. The fan wheel shall be Class II construction and fabricated from heavy-gauge aluminum with fan blades continuously welded to the back plate and end rim. The fan shall be mounted using shafts and hubs with mating keyways. Exhaust fans are not acceptable

2.5 VARIABLE AIR VOLUME CONTROL

- A. Separate electronic variable frequency drives shall be provided for each fan. Drives shall be independent. Drives shall be cooled by the filtered mixed air stream. The completed unit assembly shall be listed by a recognized safety agency, such as ETL. Drives are to be accessible through a hinged door assembly complete with a single handle latch mechanism. Mounting arrangements that expose drives to high temperature, unfiltered ambient air are not acceptable. The unit manufacturer shall install all power and control wiring.
- B. The drive output shall be controlled by the factory installed main unit control system and drive status and operating speed shall be monitored and displayed at the main unit control panel. The supply and return/exhaust fan drive outputs shall be independently controlled in order to provide the control needed to

maintain building pressure control. Supply and return/exhaust air fan drives that are slaved off a common control output are not acceptable.

- C. All drives shall be factory run tested prior to unit shipment.

2.6 ELECTRICAL

- A. Unit wiring shall comply with NEC requirements and with all applicable UL standards. All electrical components shall be UL recognized where applicable. All wiring and electrical components provided with unit shall be number and color coded and labeled according to the electrical diagram provided for easy identification.
- B. The unit shall be provided with a factory wired weatherproof control panel. Unit shall have a power terminal block for main power connection. A terminal board shall be provided for low voltage control wiring. Branch circuit short circuit protection, 115 volt control circuit transformer and fuse, system switches, and a high temperature sensor. Each compressor and condenser fan motor shall be furnished with contactors and inherent thermal overload protection. Supply and return fan motors shall have contactors and external overload protection. Knockouts shall be provided in the of the main control panels for field wiring entrance.
- C. All 115-600 volt internal and external wiring between control boxes and components shall be protected from damage by raceways or liquid tight conduit.
- D. The receptacle shall be powered by a field supplied 115V source.
- E. Single terminal block shall be provided for connecting electrical power at the unit.
- F. Single non-fused disconnect switch shall be provided for connecting electrical power at the unit. Disconnect switches shall be mounted internal to the control panel and operated by an externally mounted handle. Externally mounted handle is designed to prohibit opening of the control panel door without the use of a service tool.
- G. Unit SCCR rating to be 10 kAIC.

2.7 HEATING AND COOLING SECTIONS

- A. The cooling coil section shall be installed in a draw through configuration, upstream of the supply air fan. The coil section shall be complete with factory piped cooling coil and sloped drain pan. Hinged access doors on both sides of the section shall provide convenient access to the cooling coil and drain pan for inspection and cleaning.
- B. All coils are fabricated of seamless 5/8" diameter copper tubing that is mechanically expanded into high efficiency aluminum plate fins. Coils shall be multi-row, staggered tube design per the job schedule. All coils shall be factory leak tested with high-pressure air under water. All coils shall be ARI certified.
 - I. Chilled water coils shall have copper headers complete with supply, return and threaded vent connections. Chilled water coils shall also include threaded drain connections. Glycol shall be used to the water circuit to protect against coil freeze-up.

2. Hot water coils shall have copper headers complete with supply, return, and threaded vent connections. Glycol shall be used to the water circuit to protect against coil freeze-up.
- C. A painted galvanized steel, positively sloped drain pan shall be provided with the cooling coil. The drain pan shall extend beyond the leaving side of the coil and underneath the cooling coil connections. The drain pan shall have a minimum slope of 1/8" per foot to provide positive draining. The drain pan shall be connected to a threaded drain connection extending through the unit base. Units with stacked cooling coils shall be provided with a secondary drain pan piped to the primary drain pan.
- D. Staged electric heating coils shall be factory installed in the unit heat section. Heating coils shall be constructed of a low watt density, high nickel-chromium alloy resistance wire, mechanically stacked and heli-arc welded to corrosion resistant terminals. A corrosion resistant heavy gauge rack shall support the elements. Safety controls shall include automatic reset high limit control for each heater element with manual reset backup line break protection in each heater element branch circuit (Note: Manual reset not provided when ETL-Canada label is provided). Heating element branch circuits shall be individually fused to maximum of 48 Amps per NEC requirements. The electric heat section shall be positioned downstream of the supply air fan.

2.8 FILTERS

- A. Unit shall be provided with a draw-through filter section. The filter section shall be supplied complete with the filter rack as an integral part of the unit. The draw-through filter section shall be provided with panel filters.
- B. 2" thick AmericanAirFilter 30% efficient MERV 8 pre-filter and 12" thick MERV 13 final filter shall be provided. Filters shall be frame mounted and shall slide into galvanized steel racks contained within the unit. Filters shall be installed in an angular arrangement to maximize filter area and minimize filter face velocity. Filters shall be accessible from both sides of the filter section.

2.9 OUTDOOR/RETURN AIR SECTION

- A. The return air plenum shall allow return air to enter from the bottom of the unit.
- B. Daikin Applied UltraSeal low leak dampers shall be provided. Damper blades shall be fully gasketed and side sealed and arranged vertically in the hood. Damper leakage shall be less than 1.5 CFM/Sq. Ft. of damper area at 1.0 inch static pressure differential. Leakage rate to be tested in accordance with AMCA Standard 500. Damper blades shall be operated from multiple sets of linkages mounted on the leaving face of the dampers. Control of the dampers shall be from a factory installed, two-position actuator. Damper actuator shall be of the modulating, spring return type. If outdoor air is suitable for "free" cooling, the outdoor air dampers shall modulate in response to the unit's temperature control system. An adjustable dry bulb and enthalpy control shall be provided to sense the dry-bulb temperature and relative humidity of the outdoor air stream to determine if outdoor air is suitable for "free" cooling.
- C. Unit shall be provided with a modulating outdoor air economizer section with an ARI Certified energy recovery wheel. Outdoor air shall enter at the back of the section through a factory installed hood capable of handling 100% outdoor air. The outdoor air hood shall be factory installed and constructed from galvanized steel finished with the same pre-painted finish as the main unit. The hood shall include a bird screen to prevent infiltration of foreign materials and a rain lip to drain water away from the entering air stream. Return air shall enter through the bottom of the unit. The entire section shall be double wall construction.

- D. The wheel frames shall consist of evenly spaced steel spokes, galvanized steel outer band and rigid center hub. The wheel construction should allow for post fabrication wheel alignment. The wheel seals shall be brush seals, neoprene bulb seals or equivalent. Seals should be easily adjustable. Cassettes shall be fabricated of heavy duty reinforced galvanized steel. Cassettes shall have a built in adjustable purge section minimizing cross contamination of supply air. Bearings shall be inboard, zero maintenance, permanently sealed roller bearings, or alternatively, external flanged bearings. Drive systems shall consist of fractional horsepower A.C. drive motors with multilink drive belts.
- E. The wheel shall be tested in accordance with NFPA or UL guidelines and shall be UL recognized or equivalent. The wheel capacity, air pressure drop and efficiency shall be ARI certified by ARI and its testing agencies. Alternative, independent performance testing must be pre-approved to be accepted.
- F. The unit's energy recovery and inlet configuration is in accordance with construction already specified.
- G. The wheel recovers energy from the factory supplied return/ exhaust section and complete with an SWSI airfoil fan and motor in accordance with construction already specified. Gravity relief dampers and fold out exhaust hood shall be provided. All necessary exhaust fan motor starts, branch short circuit protection, and wiring shall be provided. Two inch, 30% pleated filters shall be provided in both air inlets to protect the wheel from dust and dirt in both the outdoor and return/ exhaust air paths.

2.10 DISCHARGE AND RETURN PLENUM OPTIONS

- A. A supply air discharge plenum shall be provided. The plenum section shall have a discharge opening.

2.11 CONDENSING SECTION

- A. Refrigeration Circuit

2.12 ROOF CURBS

- A. A prefabricated 12-gauge galvanized steel, mounting curb, designed and manufactured by the unit manufacturer, shall be provided for field assembly on the roof decking prior to unit shipment. The roof curb shall be a full perimeter type with complete perimeter support of the air handling section and rail support of the condensing section. Supply and return opening duct frames shall be provided as part of the curb structure allowing duct connections to be made directly to the curb prior to unit arrival. The curb shall be a minimum of 16" high and include a nominal 2" x 4" wood nailing strip. Gasket shall be provided for field mounting between the unit base and roof curb.

- B. In-curb acoustical treatment shall be installed in each curb (where required) to reduce noise levels from radiating through the curb and supply/return duct to the occupied spaces below and adjacent to the RTU. Engineered calculations from the acoustical treatment manufacturer shall be submitted to CJD Engineering to verify compliance in the following spaces:

Max NC (noise criteria) levels allowed when measured at the room wall/ceiling nearest the unit.

1. Offices, kitchen, banquet, conference rooms – NC35
2. Corridors, storage, mechanical rooms – NC 40

April 21, 2023

Staybridge Suites
Springfield, Missouri

3. Curb treatments shall be Hushcore Deck System (model DS) or pre-bid approved equivalent.

2.13 CONTROLS

- A. Unit to be provided with duct high limit pressure switch.
- B. Refrigeration capacity control shall be accomplished by staging of the unit's multiple compressors. Unit shall be equipped with a 120V terminal strip for field supplied and installed controls

2.14 WARRANTY

- A. The manufacturer shall provide 12 month parts only warranty. Defective parts will be repaired or replaced during the warranty period at no charge. The warranty period shall commence at start up, or 6 months after shipment, whichever occurs first.

PART 3-EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instruction

END OF SECTION 228210

SECTION 28350 – POWER VENTILATORS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 01 Specification Sections, section 220100 - General Mechanical Requirements, section 220500 – Basic Mechanical Materials and Methods shall apply to this Section.
- B. All fans shall be AMCA certified for air and sound ratings.

PART 2 - PRODUCTS

2.1 EXHAUST FANS

- A. Provide exhaust fans as indicated on drawings and schedule.
- B. Provide accessories as indicated on schedule.
- C. Equivalent by Greenheck, Loren Cook, or Penn Ventilation.
- D. See **FAN SCHEDULE** on construction drawings.

END OF SECTION 228350

SECTION 228550 - DIFFUSERS, REGISTERS, AND GRILLES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 01 Specification Sections, section 220100 - General Mechanical Requirements, section 220500 – Basic Mechanical Materials and Methods shall apply to this Section.

1.2 SUBMITTALS

- A. All grilles registers and diffusers shall be submitted with the following information for Engineers approval prior to installation:
 - 1. Airflow.
 - 2. Static Pressure Drop (maximum of 0.08" allowed).
 - 3. Noise Criteria Rating (maximum of 30 NC allowed).
 - 4. Throw - 150 FPM 100 FPM and 50 FPM.
- B. Any submittal found delinquent of requested information shall be returned for resubmittal.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers listed as equivalents shall be subject to compliance with all requirements. Manufacturers offering products that may be incorporated into the Work include, but are not limited to, manufacturers specified. The specified or scheduled item shall represent the minimum level of quality.

2.2 DIFFUSERS, REGISTERS, AND GRILLES

- A. Provide grilles, diffusers, and registers as shown on drawings and hereinafter specified. See drawings for size quantity.
- B. All dimensions indicated on drawings for diffuser neck sizes, face sizes, etc. are generic in nature and should be verified with equipment manufacturer prior to bid letting. Contractor shall be held responsible for compliance with specifications. Should a change be required to remain in compliance with specifications all costs incurred shall be paid by mechanical contractor.
- C. All registers and grilles shall have angled blades.
- D. Equivalent by Anemostat, Carnes, Krueger, Price, Nailor, Titus, and Tuttle & Bailey.
- E. Refer to **AIR DEVICE SCHEDULE** on construction drawings.

PART 3 - EXECUTION

3.1 DIFFUSERS, REGISTERS, AND GRILLES

- A. Drawings indicate general arrangement of ducts, fittings, and accessories. Air outlet and inlet locations have been indicated to achieve design requirements for air volume, noise criteria, airflow pattern, throw, and pressure drop. Make final locations where indicated, as much as practicable.

- B. For units installed in lay-in ceiling panels, locate units in the center of panel. Where architectural features or other items conflict with installation, notify Architect for a determination of final location.
- C. Support all grilles, registers and diffusers from tee bars or structure so as not to stress ceiling tile. Provide proper mounting supplied and arrangements for areas shown. Check architectural drawings for ceiling and wall construction.
- D. Set all units with rubber gaskets for air tight connection with mounting surface. Unless specified or noted otherwise grilles and registers mounted on ducts shall have standard margins.
- E. Install all return and exhaust grilles and registers with face of grille curve or angle toward line of sight to avoid seeing into space behind louver.
- F. Install all registers in masonry construction so that bottom of register starts with a masonry construction joint.
- G. Install diffusers, registers, and grilles level and plumb.
- H. Install diffusers, registers, and grilles with airtight connections to ducts and to allow service and maintenance of dampers, air extractors, and fire dampers.
- I. After installation, adjust diffusers, registers, and grilles to air patterns indicated, or as directed, before starting air balancing.

END OF SECTION 228550

SECTION 229000 – HVAC INSTRUMENTATION AND CONTROLS**PART I- GENERAL****I.1 WORK INCLUDED**

- A. Furnish a totally native BACnet-based energy management and control system, including operator workstation software scaled for the project design. The control system(s) will reside on the facility owners wide area network utilizing BACnet over IP reliability and flexibility for direct interface and data transfer to the Operator Workstation Server provided. All building controllers, application controllers, and all input/output devices shall communicate using the protocols and network standards as defined by ANSI/ASHRAE Standard 135, BACnet. Approved manufacturers: Automated Logic, Honeywell.
- B. Provide all necessary BACnet-compliant hardware and software to meet the system's functional specifications. Provide Protocol Implementation Conformance Statement (PICS) for Windows-based control software and every controller in system, including all unitary and factory provided and mounted open protocol controllers.
- C. Prepare individual hardware layouts, interconnection drawings, and software configuration from project design data.
- D. Implement the detailed design for all analog and binary objects, system databases, graphic displays, logs, and management reports based on control descriptions, logic drawings, configuration data, and bid documents.
 - 1. Design, provide, and install all equipment cabinets, panels, data communication network cables needed, and all associated hardware.
 - 2. Provide and install all interconnecting cables between supplied cabinets, application controllers, and input/output devices in EMT conduit utilizing compression fittings.
 - 3. Provide complete manufacturer's specifications for all items that are supplied. Include vendor name of every item supplied.
 - 4. Provide supervisory specialists and technicians at the job site to assist in all phases of system installation, startup, and commissioning.
 - 5. Provide a comprehensive operator and technician training program as described herein.
 - 6. Provide as-built documentation, operator's terminal software, diagrams, and all other associated project operational documentation (such as technical manuals) on approved media, the sum total of which accurately represents the final system.
 - 7. No previously installed components shall be used as any part or piece of the installed system.

I.2 SYSTEM DESCRIPTION

- A. A distributed logic control system complete with all software and hardware functions shall be provided and installed. System shall be completely based on ANSI/ASHRAE Standard 135, BACnet. This system is to control all central plant mechanical equipment, Air Handlers, all unitary equipment including VAV Boxes, heat pumps, terminal units, etc.
- B. All ACM building controllers shall include complete energy management software, including scheduling building control strategies with optimum start and logging routines. All energy management software and firmware shall be resident in field hardware and shall not be dependent on the Virtual Server. Operator's terminal software is to be used for access to field-based energy management functions only, provide zone-by-zone direct digital logic control of space temperature, scheduling, runtime

accumulation, equipment alarm reporting, and override timers for after-hours usage. All application controllers for every terminal unit (VAV, HP, UV, etc.) and any other piece of controlled equipment shall be fully programmable. Central Plant and Air Handlers will utilize a single controller for all the required points with a 10% availability for future or additional points. Application controllers shall be mounted next to controlled equipment and communicate with building controller via BACnet LAN.

I.3 APPROVED MANUFACTURERS

A. Approved Control Manufacturers

1. Automated Logic, Honeywell or pre-bid approved equal.

I.4 QUALITY ASSURANCE

- A. Materials and equipment shall be the catalogued products of manufacturers regularly engaged in production and installation of automatic temperature control systems and shall be manufacturer's latest standard design that complies with the specification requirements. The Virtual Server Software, ACM, and all field installed controllers will be of the same manufacturer. No 3rd party or non-resident commissioning software or hardware will be allowed, all configuration and programming software must be included with the manufacturers Virtual Machine application and or reside in the global controller.
- B. All BAS peer-to-peer network controllers, central system controllers and local user displays shall be UL Listed under Standard UL 916, category PAZX.
- C. All electronic equipment shall conform to the requirements of FCC Regulation, Part 15, Governing Radio Frequency Electromagnetic Interference and be so labeled.

I.5 REFERENCE STANDARDS

- A. The latest edition of the following standards and codes in effect and amended as of supplier's proposal date, and any applicable subsections thereof, shall govern design and selection of equipment and material supplied:
 1. American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE).
 2. ANSI/ASHRAE Standard 135, BACnet.
 3. Uniform Building Code (UBC), including local amendments.
 4. UL 916 Underwriters Laboratories Standard for Energy Management Equipment. Canada and the US.
 5. National Electrical Code (NEC).
 6. FCC Part 15, Subpart J, Class A
 7. EMC Directive 89/336/EEC (European CE Mark)
- B. City, county, state, and federal regulations and codes in effect as of contract date.

I.6 SUBMITTALS

A. Drawings

1. The system supplier shall submit engineered drawings, control sequence, and bill of materials for approval.
2. Drawings shall be submitted in the following standard sizes: 11" x 17".

3. Eight complete sets (copies) of submittal drawings shall be provided.

4. Submittals shall also be provided on a thumb drive.

B. System Documentation

I. Include the following in submittal package:

- a. System configuration diagrams in simplified block format.
- b. All input/output object listings and an alarm point summary listing.
- c. Electrical drawings that show all system internal and external connection points, terminal block layouts, and terminal identification.
- d. Complete bill of materials, valve schedule and damper actuator schedule.
- e. Manufacturer's instructions and drawings for installation, maintenance, and operation of all purchased items.
- f. Overall system operation and maintenance instructions—including preventive maintenance and troubleshooting instructions.
- g. For all system elements—operator's workstation(s), building controller(s), application controllers, routers, and repeaters,—provide BACnet Protocol Implementation Conformance Statements (PICS) as per ANSI/ASHRAE Standard 135-2008.
- h. Provide complete description and documentation of any proprietary (non-BACnet) services and/or objects used in the system.
- i. A list of all functions available and a sample of function block programming that shall be part of delivered system.

C. Project Management

I. Controls contractor shall provide a detailed project design and installation schedule with time markings and details for hardware items and software development phases. Schedule shall show all the target dates for transmission of project information and documents and shall indicate timing and dates for system installation, debugging, and commissioning.

I.7 WARRANTY

- A. Warranty shall cover all costs for parts, labor, associated travel, and expenses for a period of one (1) year from completion of system acceptance.
- B. Hardware and software personnel supporting this warranty agreement shall provide on-site or off-site service in a timely manner after failure notification to the vendor. The maximum acceptable response time to provide this service at the site shall be 24 hours Monday through Friday, 48 hours on Saturday and Sunday.
- C. This warranty shall apply equally to both hardware and software.

PART 2- PRODUCTS

2.1 OPERATOR WORKSTATION (PROVIDED BY CONTROLS CONTRACTOR)

- A. Controls

1. Controls Contractor shall provide the Operator Workstation and software scaled for the amount of devices required for control of the mechanical and electrical equipment including all graphics update(s), schedule(s), trending and system programming.
2. General structure of the workstation interaction shall be a standard client/server relationship with web server embedded in the server software for browser only access. Server shall be used to archive data and store system database. The virtual machine shall support operation in a virtualized server environment. Thick and web clients shall access server for all archived data.
3. Virtual Server software shall be provided with an HTML5-based browser access to the server as part of the standard installation. User must be able to access all displays of real-time data that are part of the Operating System using a standard web browser. Web browser shall tie into the network through owner-supplied Ethernet network connection. The web client shall support a minimum of 200 users with a single license.

B. Trendlog Information

1. System server shall periodically gather historically recorded data stored in the building controllers and archive the information. Archived files shall be appended with new sample data, allowing samples to be accumulated. Systems that write over archived data shall not be allowed, unless limited file size is specified. Samples may be viewed at the operator's workstation. Operator shall be able to scroll through all trended data. All trendlog information shall be displayed in standard engineering units.
2. Software shall be included that is capable of graphing the trend logged object data. Software shall be capable of creating two-axis (x,y) graphs that display up to ten object types at the same time in different colors. Graphs shall show object values relative to time.
3. Operator shall be able to change trend log setup information. This includes the information to be logged as well as the interval at which it is to be logged. All input, output, and value object types in the system may be logged. All operations shall be password protected. Setup and viewing may be accessed directly from any and all graphics on which object is displayed.
4. System shall include a trend Wizard for setup of logs. Wizard shall walk user through all necessary steps. Wizard shall have its own pull-down selection for startup or may be started by right clicking on value displayed on graphic, and then selecting Trendlogs from the displayed menu.

C. Energy Log Information

1. System server shall be capable of periodically gathering energy log data stored in the field equipment and archive the information. Archive files shall be appended with new data, allowing data to be accumulated. Systems that write over archived data shall not be allowed unless limited file size is specified. Display all energy log information in standard engineering units.
2. All data shall be stored in data base file format for direct use by third-party programs. Operation of system shall stay completely online during all graphing operations.
3. System shall display archived data in tabular format form for both consumption and peak values. Data shall be shown in hourly, daily, weekly, monthly and yearly formats. In each format the user shall be able to select a specific period of data to view.

2.2 BUILDING CONTROLLER (ACM)

A. General Requirements

1. BACnet Conformance
 - a. Please refer to section 22.2, BACnet Functional Groups, in the BACnet standard, for a

complete list of the services that must be directly supported to provide each of the functional groups listed above. All proprietary services, if used in the system, shall be thoroughly documented and provided as part of the submittal data. All necessary tools shall be supplied for working with proprietary information.

2. Building controller shall be of scalable design such that the number of trunks and protocols may be selected to fit the specific requirements of a given project.
3. The controller shall be capable of panel-mounted on DIN rail and/or mounting screws.
4. The controller shall be capable of providing global control strategies for the system based on information from any objects in the system, regardless if the object is directly monitored by the building controller module or by another controller.
5. The controller shall be capable of running up to six (6) independent control strategies simultaneously. The modification of one control strategy does not interrupt the function or runtime others.
6. The software program implementing the DDC strategies shall be completely flexible and user-definable. All software tools necessary for programming shall be provided as part of project software. Any systems utilizing factory pre-programmed global strategies that cannot be modified by field personnel on-site, using a wide area network (WAN) or downloaded through remote communications are not acceptable. Changing global strategies using firmware changes is also unacceptable.
7. Programming shall be object-oriented using control function blocks and support DDC functions. All flowcharts shall be generated and automatically downloaded to controller. Programming tool shall be supplied and be resident on workstation. The same tool shall be used for all controllers.
8. The programming tool shall provide means to graphically view inputs and outputs to each program block in real-time as program is executing. This function may be performed using the operator's workstation or field computer.
9. Controller shall have 6,000 Analog Values and 6,000 Binary Values.
10. Controller IP configuration can be done via a direct USB connect with an operator's workstation or field computer.
11. Controller shall have at a minimum a Quad Core 996Ghz processor.
12. Global control algorithms and automated control functions shall execute using a 64-bit processor.
13. Controller shall have a minimum of 1 GB of DDR3 SDRAM on a 533Mhz bus to ensure high speed data recording, large data storage capacity and reliability.
14. Controller shall support two (2) on-board EIA-485 ports capable of supporting various EIA-485 protocols including, but not limited to BACnet MS/TP and Modbus.
 - a. Ports are capable of supporting various EIA-485 protocols including, but not limited to BACnet MS/TP and Modbus.
15. Controller shall support two (2) ports—each of gigabit speed—Ethernet (10/100/1000) ports.
 - a. Ports are capable of supporting various Ethernet protocols including, but not limited to BACnet IP, FOX, and Modbus.
16. All ports shall be capable of having protocol(s) assigned to utilize the port's physical connection.

17. The controller shall have at a minimum four (4) onboard inputs, two (2) universal inputs and two (2) binary inputs.
 18. Schedules
 - a. Building controller modules shall provide normal seven-day scheduling, holiday scheduling and event scheduling.
 - b. Each building controller shall support a minimum of 380 BACnet Schedule Objects and 380 BACnet Calendar Objects.
 19. Logging Capabilities
 - a. Each building controller shall log as minimum 2,000 objects at 15-minute intervals. Any object in the system (real or calculated) may be logged. Sample time interval shall be adjustable at the operator's workstation.
 - b. Logs may be viewed both on-site or off-site using WAN or remote communication.
 - c. Building controller shall periodically upload trended data to networked operator's workstation for long-term archiving if desired.
 - d. Archived data stored in database format shall be available for use in third-party spreadsheet or database programs.
 20. Alarm Generation
 - a. Alarms may be generated within the system for any object change of value or state (either real or calculated). This includes things such as analog object value changes, binary object state changes, and various controller communication failures.
 - b. Each alarm may be dialed out as noted elsewhere.
 - c. Alarm log shall be provided for alarm viewing. Log may be viewed on-site at the operator's terminal or off-site using remote communications.
 - d. Controller must be able to handle up to 2,000 alarm setups stored as BACnet event enrollment objects, with system destination and actions individually configurable.
 21. Demand Limiting
 - a. Demand limiting of energy shall be a built-in, user-configurable function. Each controller module shall support shedding of up to 1,200 loads using a minimum of two types of shed programs.
 - b. Load shedding programs in building controller modules shall operate as defined in section 2.1.J of this specification.
 22. Tenant Activity Logging
 - a. Tenant Activity logging shall be supported by a building controller module. Each independent module shall support a minimum of 380 zones.
 - b. Tenant Activity logging shall function as defined in section 2.1.K of this specification.
- B. BACnet MS/TP
- I. BACnet MS/TP LAN must be software-configurable from 9.6 to 115.4Kbps

2. Each BACnet MS/TP LAN shall support 64 BACnet devices at a minimum.
3. All proprietary object types, if used in the system, shall be thoroughly documented and provided as part of the submittal data. All necessary tools shall be supplied for working with proprietary information.

C. BACnet IP

1. The building controller shall comply with Annex J of the BACnet specification for IP connections. This device shall use Ethernet to connect to the IP internetwork, while using the same Ethernet LAN for non-IP communications to other BACnet devices on the local area network (LAN).
2. Must support interoperability on WANs and campus area networks (CANs), and function as a BACnet Broadcast Management Device (BBMD).
3. Each controller shall support at a minimum 128 BBMD entries.
4. BBMD management architecture shall support 3,000 subnets at a minimum.
5. Shall support BACnet Network Address Translation.
6. All proprietary object types, if used in the system, shall be thoroughly documented and provided as part of the submittal data. All necessary tools shall be supplied for working with proprietary information.

D. Expansion Ports

1. Controller shall support two (2) expansion ports.
 - a. Combining the two on-board EIA-458 ports with fully loaded expansion ports, the controller shall support six (6) EIA-485 trunks simultaneously.
2. Expansion cards that mate to the expansion ports shall include:
 - a. Dual port EIA-485 card.
 - b. LON network card.

E. Niagara Framework

1. Controller shall utilize the Niagara Framework.
 - a. Niagara Framework shall be the latest version available from Alerton Inc.
 - b. All Niagara licensing shall be stored on a removable MicroSD card for fast in-field replacement of controller.
2. The Niagara License for the controllers shall be an open license.
 - a. The controller shall be programmable via Niagara Workplace programming tool.
 - b. The controller shall be programmable via a Niagara embedded Workplace programming tool.

F. Power Supply

1. Input for power shall accept between 17 and 30VAC, 47 and 63Hz.
2. Optional rechargeable battery for shutdown of controller including storage of all data in flash

memory.

3. On-board capacitor will ensure continuous operation of real-time clocks for minimum of 14 days.

G. Controller shall be in compliance with the following:

1. UL 916 for open energy management

2. FCC Class B

3. ROHS

4. IEC 60703

5. C-Tick Listed

H. Controller shall operate in the following environmental conditions:

1. -4 to 149 °F (-20 to 65 °C) without optional battery, or 32 to 122 °F (0 to 50 °C) with optional battery.

2. 0 to 95% relative humidity (RH), non-condensing.

2.3 EQUIPMENT APPLICATION CONTROLLERS

A. Provide no more than one native BACnet application controller as needed for the Central Plant and Air Handlers that adequately cover all objects listed in object list. All controllers shall interface to building controller through either MS/TP LAN using BACnet protocol, or Ethernet LAN using BACnet over Ethernet or BACnet TCP/IP. No gateways shall be used. Controllers shall include input, output and self-contained logic program as needed for complete control of the equipment. Controllers shall be fully programmable using graphical programming blocks. Programming tool shall be resident on operator workstation and be the same tool as used for the building controller. No auxiliary or non-BACnet controllers shall be used.

B. BACnet Conformance

1. Application controllers shall be approved by the BTL as meeting the BACnet Advanced Application Controller requirements.

2. Please refer to section 22.2, BACnet Functional Groups, in the BACnet standard, for a complete list of the services that must be directly supported to provide each of the functional groups listed above. All proprietary services, if used in the system, shall be thoroughly documented and provided as part of the submittal data. All necessary tools shall be supplied for working with proprietary information.

3. Standard BACnet object types supported shall include, as a minimum, Analog Input, Analog Output, Analog Value, Binary Input, Binary Output, Binary Value, Multi-state Values, Device, File, and Program object types. All proprietary object types, if used in the system, shall be thoroughly documented and provided as part of the submittal data. All necessary tools shall be supplied for working with proprietary information.

C. Application controllers shall include universal inputs with 12-bit resolution that accept 3K and 10K thermistors, 0–10VDC, Platinum 1000 ohm RTD, 0–5VDC, 4–20mA and dry contact signals. Any input on a controller may be either analog or digital with a minimum of three inputs that accept pulses. Controller shall also include support and modifiable programming for interface to intelligent room sensor with digital display. Controller shall include binary and analog outputs on board. Analog outputs with 12-bit resolution shall support either 0–10VDC or 0–20mA. Binary outputs shall have LED indication of status. Software shall include scaling features for analog outputs. Application controller

shall include 20VDC voltage supply for use as power supply to external sensors.

1. All outputs must have onboard Hand-Off-Auto (HOA) switches and a status indicator light. HOA switch position shall be monitored. Each analog output shall include a potentiometer for manually adjusting the output when the HOA switch is in the Hand position.
 2. The position of each and every HOA switch shall be available system wide as a BACnet object property.
- D. All program sequences shall be stored on board application controller in EEPROM. No batteries shall be needed to retain logic program. All program sequences shall be executed by controller up to 20 times per second (minimum of 10 times per second) and capable of multiple PID loops for control of multiple devices. All calculations shall be completed using floating-point math and system shall support display of all information in floating-point nomenclature at operator's terminal.
1. The following control blocks shall be supported:
 - a. Natural Log
 - b. Exponential
 - c. Log base 10
 - d. X to the power of Y
 - e. Nth square root of X
 - f. 5th Order Polynomial Equations
 - g. Astronomical Clock (sunrise/sunset calculation)
 - h. Time based schedules
- E. Programming of application controller shall be completely modifiable in the field over installed BACnet LANs. Operator shall program logic sequences by graphically moving function blocks on screen and tying blocks together on screen. Application controller shall be programmed using programming tools as described in operator's terminal section.
- F. Application controller shall include support for intelligent room sensor (see Section 2.10.B.) Display on intelligent room sensor shall be programmable at application controller and include an operating mode and a field service mode. All button functions and display data shall be programmable to show specific controller data in each mode, based on which button is pressed on the sensor. See sequence of operation for specific display requirements at intelligent room sensor.
- G. Schedules
1. The controller shall support a minimum of 3 BACnet Schedule Objects and have a real time clock on board with battery backup to maintain time through a power loss.
- H. Logging Capabilities
1. Controller shall support a minimum of 50 trendlogs. Any object in the controller (real or calculated) may be logged. Sample time interval shall be adjustable at the operator's workstation.
 2. Controller shall periodically upload trended data to system server for long-term archiving if desired. Archived data stored in (MS Jet Database or SQL) database form and shall be available for use in third-party spreadsheet or database programs.

I. Alarm Generation

1. Alarms may be generated within the controller for any object change of value or state (either real or calculated). This includes things such as analog object value changes, and binary object state changes.
2. Alarm log shall be provided for alarm viewing. Log may be viewed on-site at the operator's terminal or off-site using remote communications.
3. Controller must be able to handle up to 25 alarm setups stored as BACnet event enrollment objects, with system destination and actions individually configurable.

J. The controller processor shall be a 32-bit processor.

K. The packaging of the controller shall provide operable doors to cover the terminals once installation is complete. The housing of the controller shall provide for DIN rail mounting and also fully enclose circuit board.

2.4 TERMINAL UNIT CONTROLLER

A. Provide one native BACnet controller for each piece of unitary mechanical equipment that adequately covers all objects listed in object list for unit. All controllers shall interface to building controller via MS/TP LAN using BACnet protocol. No gateways shall be used. Controllers shall include input, output and self-contained logic program as needed for complete control of unit.

B. BACnet Conformance

1. Controllers shall as a minimum support MS/TP BACnet LAN types. They shall communicate directly via this BACnet LAN at 9.6, 19.2, 38.4 and 76.8 Kbps, as a native BACnet device. Application controllers shall be of BACnet conformance class 3 and support all BACnet services necessary to provide the following BACnet functional groups:

a. Files Functional Group

b. Reinitialize Functional Group

c. Device Communications Functional Group

2. Please refer to section 22.2, BACnet Functional Groups in the BACnet standard for a complete list of the services that must be directly supported to provide each of the functional groups listed above. All proprietary services, if used in the system, shall be thoroughly documented and provided as part of the submittal data. All necessary tools shall be supplied for working with proprietary information.

3. Standard BACnet object types supported shall include as a minimum—Analog Input, Analog Output, Analog Value, Binary Input, Binary Output, Binary Value, Device, File and Program Object Types. All proprietary object types, if used in the system, shall be thoroughly documented and provided as part of the submittal data. All necessary tools shall be supplied for working with proprietary information.

C. Application controllers shall include universal inputs with 10-bit resolution that can accept 3K and 10K thermistors, 0–5 VDC, 4–20 mA, & dry contact signals. Any input on controller may be either analog or digital. Controller shall also include support and modifiable programming for interface to intelligent room sensor. Controller shall include binary outputs on board.

D. All program sequences shall be stored on board controller in EEPROM. No batteries shall be needed to retain logic program. All program sequences shall be executed by controller 10 times per second and shall be capable of multiple PID loops for control of multiple devices. Programming of application

controller shall be completely modifiable in the field over installed BACnet LANs or remotely via modem interface. Operator shall program logic sequences by graphically moving function blocks on screen and tying blocks together on screen. Application controller shall be programmed using same programming tools as building controller and as described in operator workstation section. All programming tools shall be provided and installed as part of system.

- E. Controller shall include support for intelligent room sensor (see Section 2.9.B.) Display on room sensor shall be programmable at controller and include an operating mode and a field service mode. All button functions and display data shall be programmable to show specific controller data in each mode based on which button is pressed on the sensor. See sequence of operation for specific display requirements at intelligent room sensor.

2.5 AUXILIARY CONTROL DEVICES

A. Temperature Sensors

- I. All temperature sensors to be solid-state electronic, interchangeable with housing appropriate for application. Wall sensors to be installed as indicated on drawings. Duct sensors to be installed such that the sensing element is in the main air stream. Immersion sensors to be installed in wells provided by control contractor, but installed by mechanical contractor. Immersion wells shall be filled with thermal compound before installation of immersion sensors. Outside air sensors shall be installed away from exhaust or relief vents, not in an outside air intake, and in a location that is in the shade most of the day.

B. Intelligent Room Sensor with Touchscreen Hardware

- I. Room sensor shall be capable of the following:
 - a. Backlit touchscreen LCD digital display
 - b. Temperature sensor
 - c. Humidity sensor
 - d. Programmable Status Light indicator
 - e. CO₂ sensor or BACnet MS/TP communication up to 115.2kbps
- 2. Temperature sensor shall be a Uni-Curve Type II thermistor with an accuracy of +/- 0.36 °F (0.3 °C) at calibration point over the range of 32 to 158 °F or better.
- 3. Humidity sensor shall have an accuracy of +/-3% from 10 to 90% relative humidity (RH) or better, non-condensing.
- 4. The intelligent room sensor's Status Light indicator shall have a minimum of four (4) colors (blue, red, amber and green) that will cast a glow onto the wall below the sensor to be used as visual indicator to the occupants of the condition of the system. The color and on/off state of the Status Light indicator shall be fully programmable.
- 5. CO₂ sensor shall have an accuracy of +/- 30 ppm over the range of 0–5000 ppm or better.
- 6. CO₂ sensor shall utilize Automatic Baseline Correction to maintain sensor calibration without the need for manual calibration.
- 7. The user shall interact with the smart sensor using a touchscreen, with no buttons allowed.
- 8. The intelligent room sensor shall have provisions for a tamper proof installation requiring tools to be removed from the wall.

9. Controller shall function as room control unit, and allow occupant to raise and lower setpoint, and activate terminal unit for override use—all within limits as programmed by building operator.

C. Display Content

1. The intelligent room sensor shall simultaneously display room setpoint, room temperature, and outside temperature at each controller.
2. The intelligent room sensor shall have the ability to add or remove from the display time-of-day, room humidity, and indoor air temperature to customize the view for the customer.
3. The intelligent room sensor must have the capability to show temperatures in degrees Fahrenheit or degrees Celsius.
4. A communication loss or improper communications wiring shall be displayed on the LCD screen to aid in trouble shooting.
5. Information about the version of firmware shall be displayable on the LCD screen.
6. A cleaning mode will be provided to allow for the touchscreen to be cleaned without inadvertently making changes to system parameters.
7. The intelligent room sensor shall have the ability to display the status of a lighting zone and control the on/off state of the zone from the touchscreen using a tenant-accessible display page.
8. The intelligent room sensor shall have the ability to display the status of a window zone (e.g., blinds) and control the on/off state of the zone from the touchscreen using a tenant-accessible display page.
9. After Hours Override shall:
 - a. Override time may be set and viewed in 30-minute increments.
 - b. Override time countdown shall be automatic, but may be reset to zero by occupant from the sensor.
 - c. Time remaining shall be displayed.
 - d. Display shall show the word “OFF” in unoccupied mode unless a function button is pressed.

D. Other Modes

1. The intelligent room sensor shall also allow service technician access to hidden functions for advanced system configuration. This functionality shall be accessed-protected with a configurable PIN number.
2. Field Service Mode shall allow access to common parameters as dictated by the application’s sequence of operations. The parameters shall be viewed and set from the intelligent room sensor with no computer or other field service tool needed.
3. If the intelligent room sensor is connected to VAV controller, Balance Mode shall allow a VAV box to be balanced and all air flow parameters viewed. The balancing parameters shall be viewed and set from the intelligent room sensor with no computer or other field service tool needed.

E. Intelligent Room Sensor shall be in compliance of the following:

1. UL Standard for Safety 916

2. FCC Part 15.107 & 109, Class B, CFR47-15

3. EMC Directive 89/336/EEC (European CE Mark)

2.6 ELECTRONIC ACTUATORS AND VALVES (Belimo)

A. Quality Assurance for Actuators and Valves

1. UL Listed Standard 873 and C.S.A. Class 4813 02 certified.
2. NEMA 2 rated enclosures for inside mounting, provide with weather shield for outside mounting.
3. Five-year manufacturer's warranty. Two-year unconditional and three-year product defect from date of installation.
4. Belimo

B. Execution Details for Actuators and Valves

1. Furnish a Freeze-stat and install "Hard Wire" interlock to disconnect the mechanical spring return actuator power circuit for fail-safe operation. Use of the control signal to drive the actuators closed is not acceptable.
2. Each AHU DDC analog output point shall have an actuator feedback signal, independent of control signal, wired and terminated in the control panel for true position information and troubleshooting. Or the actuator feedback signal may be wired to the DDC as an analog input for true actuator position status.
3. VAV box damper actuation shall be floating modulation type.
4. AHU primary valve control shall be analog controlled Belimo Energy Valve.

C. Actuators for damper and control valves 0.5–6 inches shall be electronic unless otherwise specified, provide actuators as follows:

1. UL Listed Standard 873 and Canadian Standards association Class 481302 shall certify actuators.
2. NEMA 2 rated actuator enclosures for inside mounting. Use additional weather shield to protect actuator when mounted outside.
3. Five-year manufacturer's warranty. Two-year unconditional and Three year product defect from date of installation.
4. Mechanical spring shall be provided when specified. Capacitors or other non-mechanical forms of fail-safe are not acceptable.
5. Position indicator device shall be installed and made visible to the exposed side of the actuator. For damper short shaft mounting, a separate indicator shall be provided to the exposed side of the actuator.
6. Overload Protection: Actuators shall provide protection against actuator burnout by using an internal current limiting circuit or digital motor rotation sensing circuit. Circuit shall insure that actuators cannot burn out due to stalled damper or mechanical and electrical paralleling. End switches to deactivate the actuator at the end of rotation are acceptable only for butterfly valve actuators.
7. A Pushbutton gearbox release shall be provided for all non-spring actuators.

8. Modulating actuators shall be 24VAC and consume 10VA power or less.
9. Conduit connectors are required when specified and when code requires it.

D. Damper Actuators:

1. Outside air and exhaust air damper actuators shall be mechanical spring return where specified. Capacitors or other non-mechanical forms of fail-safe are not acceptable. The actuator mounting arrangement and spring return feature shall permit normally open or normally closed positions of the damper as required.
2. Economizer actuators shall utilize analog control 2–10VDC, floating control is not acceptable.
3. Electric damper actuators (including VAV box actuators) shall be direct shaft-mounted and use a V-bolt and toothed V-clamp causing a cold weld effect for positive gripping. Single bolt or set-screw type fasteners are not acceptable.
4. One electronic actuator shall be direct shaft-mounted per damper section. No connecting rods or jackshafts shall be needed. Small outside air and return air economizer dampers may be mechanically linked together if one actuator has sufficient torque to drive both and damper drive shafts are both horizontal installed.
5. Multi-section dampers with electric actuators shall be arranged so that each damper section operates individually. One electronic actuator shall be direct shaft-mounted per damper section. (See below execution section for more installation details.)

E. Valve Actuators 0.5–6 inches

1. Mechanical spring shall be provided on actuators where specified. See plans for fail-safe flow function: Normal Open or Normal Closed. Capacitors or other non-mechanical forms of fail-safe are not acceptable.
2. All zone service actuators shall be non-spring return unless otherwise specified.
3. The valve actuator shall be capable of providing the minimum torque required for proper valve close-off for the required application.
4. All control valves actuators shall have an attached 3-foot cable for easy installation to a junction box.
5. Override handle and gearbox release shall be provided for all non-spring return valve actuators.

F. Control Dampers.

1. The mechanical contractor shall furnish and size all automatic control dampers unless provided with packaged equipment. The sheet metal contractor shall install all dampers unless provided with packaged equipment.
2. All dampers used for modulating service shall be opposed blade type and arranged for normally open or normally closed operation as required. The damper is to be sized so that, when wide open, the pressure drop is a sufficient amount of its close-off pressure drop for effective throttling.
3. All dampers used for two-position or open-close control shall be parallel blade type arranged for normally open or closed operation as required.
4. Damper linkage hardware shall be constructed of aluminum or corrosion-resistant zinc and nickel-plated steel and furnished as follows:

5. Bearing support bracket and drive blade pin extension shall be provided for each damper section. Sheet metal contractor shall install bearing support bracket and drive blade pin extension. Sheet metal contractor shall provide permanent indication of blade position by scratching or marking the visible end of the drive blade pin extension.
 6. Drive pin may be round only if V-bolt and toothed V-clamp is used to cause a cold weld effect for positive gripping. For single bolt or set-screw type actuator fasteners, round damper pin shafts must be milled with at least one side flat to avoid slippage.
 7. Damper manufacturer shall supply alignment plates for all multi-section dampers.
- G. Control Valves 0.5–6 inches
1. The BAS contractor shall furnish all specified motorized control valves and actuators. BAS contractor shall furnish all control wiring to actuators. The plumbing contractor shall install all valves. Equal percentage control characteristic shall be provided for all water coil control valves. Linear valve characteristic is acceptable for 3-way valves that are 2.5 inches and above.
 2. Characterized control valves shall be used for hydronic heating or cooling applications and small to medium AHU water-coil applications to 100GPM. Actuators are non-spring return for terminal unit coil control unless otherwise noted. If the coil is exposed to the outside air stream, see plans for spring return requirement.
 - a. Leakage is zero percent, close-off is 200psi, maximum differential is 30psi; rangeability is 500:1.
 - b. Valves 0.5–2 inches shall be nickel-plated forged brass body, NPT screw type connections.
 - c. Valves 0.5–1.25 inches shall be rated for ANSI Class 600 working pressure. Valves 1.5 and 2 inches shall be rated for ANSI Class 400 working pressure.
 - d. The operating temperature range shall be 0–250 degrees F.
 - e. Stainless steel ball and stem shall be furnished on all modulating valves.
 - f. Seats shall be fiberglass reinforced Teflon.
 - g. Two-way and three-way valves shall have an equal percentage control port. Full stem rotation is required for maximum flow to insure stable BTU control of the coil.
 - h. Three-way valve shall be applicable for both mixing and diverting.
 - i. The characterizing disc is made of TEFZEL and shall be keyed and held secure by a retaining ring.
 - j. The valves shall have a blow-out proof stem design.
 - k. The stem packing shall consist of 2 lubricated O-rings designed for on-off or modulating service and require no maintenance.
 - l. The valves shall have an ISO type, 4-bolt flange for mounting actuator in any orientation parallel or perpendicular to the pipe.
 - m. A non-metallic thermal isolation adapter shall separate valve flange from actuator.
 - n. One fastening screw shall secure the direct coupling of the thermal isolation adapter between the actuator and the valve. This will prevent all lateral or rotational forces from affecting the stem and its packing O-rings.

H. Butterfly valves

- I. Butterfly valves shall be sized for modulating service at 60–70 degree stem rotation. Isolation valves shall be line-size. Design velocity shall be less than 12 feet per second when used with standard EPDM seats.
 - a. Body is cast iron.
 - b. Disc is aluminum bronze standard.
 - c. Seat is EPDM standard.
 - d. Body Pressure is 200 psi, -30–275 degrees F.
 - e. Flange is ANSI 125/250.
 - f. Media Temperature Range is -22–240 degree F.
 - g. Maximum Differential Pressure is 200 psi for 2- to 6- inch size.

2.7 ENCLOSURES

- A. All controllers, power supplies and relays shall be mounted in enclosures.
- B. Enclosures may be NEMA 1 when located in a clean, dry, indoor environment. Indoor enclosures shall be NEMA 12 when installed in other than a clean environment.
- C. Enclosures shall have hinged, locking doors.
- D. Provide laminated plastic nameplates for all enclosures in any mechanical room or electrical room. Include location and unit served on nameplate. Laminated plastic shall be 1/8" thick sized appropriately to make label easy to read.

PART 3-EXECUTION

3.1 EXAMINATION

- A. Prior to starting work, carefully inspect installed work of other trades and verify that such work is complete to the point where work of this Section may properly commence.
- B. Notify the owners' representative in writing of conditions detrimental to the proper and timely completion of the work.
- C. Do not begin work until all unsatisfactory conditions are resolved.

3.2 INSTALLATION (GENERAL)

- A. Install in accordance with manufacturer's instructions.
- B. Provide all miscellaneous devices, hardware, software, interconnections installation and programming required to ensure a complete operating system in accordance with the sequences of operation and point schedules.

3.3 LOCATION AND INSTALLATION OF COMPONENTS

- A. Locate and install components for easy accessibility; in general, mount 48 inches above floor with minimum 3'-0" clear access space in front of units. Obtain approval on locations from owner's representative prior to installation.

- B. All instruments, switches, transmitters, etc., shall be suitably wired and mounted to protect them from vibration, moisture and high or low temperatures.
- C. Identify all equipment and panels. Provide permanently mounted tags for all panels.
- D. Provide stainless steel or brass thermowells suitable for respective application and for installation under other sections—sized to suit pipe diameter without restricting flow.

3.4 INTERLOCKING AND CONTROL WIRING

- A. Provide all interlock and control wiring 24vac and below. All wiring shall be installed neatly and professionally, in accordance with Specification Division 16 and all national, state and local electrical codes.
- B. Provide wiring as required by functions as specified and as recommended by equipment manufacturers, to serve specified control functions. Provide shielded low capacitance wire for all communications trunks.
- C. Control wiring shall not be installed in power circuit raceways. Magnetic starters and disconnect switches shall not be used as junction boxes. Provide auxiliary junction boxes as required.
- D. Provide auxiliary pilot duty relays on motor starters as required for control function.
- E. Provide power for all control components from nearest electrical control panel or as indicated on the electrical drawings—coordinate with electrical contractor.
- F. All control wiring in the mechanical, electrical, telephone and boiler rooms to be installed in raceways. All other wiring to be installed neatly and inconspicuously per local code requirements. If local code allows, control wiring above accessible ceiling spaces may be run with plenum rated cable (without conduit).

3.5 DDC OBJECT TYPE SUMMARY

- A. Provide all database generation.
- B. Displays
 - I. System displays shall show all analog and binary object types within the system. They shall be logically laid out for easy use by the owner. Provide outside air temperature indication on all system displays associated with economizer cycles.
- C. Run Time Totalization
 - I. At a minimum, run time totalization shall be incorporated for each monitored supply fan, return fan, exhaust fan, hot water and chilled water pumps. Warning limits for each point shall be entered for alarm and or maintenance purposes.
- D. Trendlog
 - I. All binary and analog object types (including zones) shall have the capability to be automatically trended.
- E. Alarm
 - I. All analog inputs (High/Low Limits) and selected binary input alarm points shall be prioritized and routed (locally or remotely) with alarm message per owner's requirements.
- F. Database Save

I. Provide back-up database for all stand-alone application controllers on disk.

3.6 FIELD SERVICES

- A. Prepare and start logic control system under provisions of this section.
- B. Start-up and commission systems. Allow sufficient time for start-up and commissioning prior to placing control systems in permanent operation.
- C. Provide the capability for off-site monitoring at control contractor's local or main office. At a minimum, off-site facility shall be capable of system diagnostics and software download. Owner shall provide phone line for this service for 1 year or as specified.
- D. Provide Owner's Representative with spare parts list. Identify equipment critical to maintaining the integrity of the operating system.

3.7 AS BUILT DOCUMENTATION

- A. Provide all as-built red line drawings within 30 days of project completion for closeout.

PART 4-SEQUENCE OF OPERATIONS

4.1 Building Operation Schedule (verify all building operation times with owner before implementation):

- A. **Normal Occupancy Schedule (restaurant/kitchen only)** shall be from 7:00 AM to 6:00 PM (user adjustable with temporary timed override). All other spaces shall be considered occupied 24/7. Cooling set point shall be 75°F and heating set point shall be 72°F. Ventilation shall be for normal occupancy. Exhaust fans shall be on.
- B. **Unoccupied Schedule (restaurant/kitchen only)** shall be from 6:00 PM to 7:00 AM. All other spaces shall be considered occupied 24/7. Cooling set point shall be 80°F and heating set point shall be 65°F. Ventilation shall be disabled. Exhaust fans shall be off.
- C. **User Adjustable Override Schedule:** A user adjustable override schedule shall be included to allow the user to schedule events either during and/or after normal operating hours. The event schedule shall override the system during the times entered and shall automatically revert back to the normal occupancy schedule after the programmed event expires. This schedule shall have the ability to program events 1-year in advance and shall be capable of programming multiple events per day throughout the year.

4.2 Variable Refrigerant Flow:

- A. The VRF system shall have factory installed BACnet gateway to interface with the building automation system. Space temperature shall be allowed to be monitored via the main building BAS. Space temperature setpoints shall be allowed to be adjusted via the main b BAS.

4.3 Dedicated Outside Air Units (DOASI):

- A. The Dedicated Outside Air Unit shall have factory installed BACnet gateway/card to interface with the building automation system. Refer to temperature control diagrams/schedules on mechanical sheets for all points that shall be able to be remotely monitored/alarmed.
- B. **OCCUPIED/UNOCCUPIED MODES:** DOAS unit shall operate continuously and will not require setback adjustments.
- C. **MODE OF OPERATION:** DOAS unit shall provide scheduled constant volume of dry air between 70°F and 75°F and 50% maximum relative humidity. This shall be accomplished by a combination of staging the

cooling/heating/hot gas reheat coils and energy recovery wheel (including bypass dampers). All setpoints shall be adjustable.

Discharge Air Temperature Reset: When outside air temperature (based on outside air temperature sensor) is 45°F or below, DOAS discharge air temperature (DAT) setpoint shall be 75°F. When outside air temperature is 60°F or above, DOAS DAT setpoint shall be 70°F. DOAS DAT shall increase/decrease proportionally when outside air temperature is between 45°F and 60°F. All setpoints shall be adjustable.

- D. **FILTER STATUS:** A differential pressure switch shall monitor the differential pressure across all filter banks when the fans are running. If the switch closes during normal operation, a dirty filter alarm shall be annunciated at the Building Automation System.
- E. **DX COOLING AND GAS HEATING:** Cooling and Heating shall stage in coordination with all unit functions to maintain discharge air temperature setpoints.
- F. **ENERGY RECOVERY WHEEL OPERATION:** The Energy Recovery Wheel (ERW) shall operate continuously at a fixed design speed to reduce energy consumption. Unitary controls shall stage the cooling/heating to supplement the ERW to maintain the DOAS DAT setpoint. Unitary controls shall monitor frost conditions on the ERW and
- G. **ECONOMIZER:** When outside air temperature and relative humidity allow, unitary controls shall maintain DOAS DAT and relative humidity setpoints via the ERW bypass dampers or stopping the ERW and not utilizing the cooling/heating/hot gas reheat coils.

4.4 Mini Split Systems Unit:

- A. Provide BACnet gateway/card/thermostat to interface with the building automation system. Refer to temperature control diagrams/schedules on mechanical sheets for all points that shall be able to be remotely monitored/alarmed.

4.5 Lighting Control:

- A. The exterior lighting shall be controlled by an astronomical time clock (provided and installed by the EC).

4.6 General Exhaust Fan Control:

- A. Exhaust fans not indicated to be controlled by a wall switch shall start during occupied hours and stop during unoccupied hours via the BAS. Refer to fan schedule for additional requirements.

4.7 Freezer/Cooler Temperature Monitor:

- A. The temperature in the freezers and coolers shall be monitored by the BAS system. An alarm shall be sent by either email or text to the maintenance if temperature setpoint is above an acceptable range. (Adj.)

4.8 Kitchen Hood and Exhaust Fan:

- A. The kitchen hoods and exhaust fans shall be controlled by the Accurex (or equivalent) Demand Control Ventilation hood control panel. See kitchen equipment drawings for additional details. BAS shall monitor operation of kitchen hoods and exhaust fans.

END OF SECTION 228220

SECTION 229000 – Guestroom Temperature Controls

This document defines and specifies an integrated room automation system using both wired and wireless modes of communication. The wireless communication required to control the system uses the following technology:

- Radio frequency (RF) – Bluetooth Deep Mesh Technology for both in-room and room-server communication.

This specification is provided in the format recommended by the Construction Specifications Institute (CSI).

GENERAL**I.1 SUMMARY**

- A. Provide a complete, integrated room automation system using wired or wireless technology for the following:
 - 1. HVAC equipment
 - 2. Lighting

I.2 RELATED WORK

- A. Examine contract documents for requirements that affect work of this section. Other Specification sections that relate directly to work of this section include, but are not limited to:
 - 1. Division 23—Heating, Ventilating and Air Conditioning (HVAC)
 - 2. Division 26—Electrical Power Wiring to System Hardware
 - 3. Division 27—Communications
 - 4. Division 28—Electronic Safety and Security
 - 5. Division 33—Utilities

I.3 SUBMITTALS

- A. Product Data: Submit the Manufacturer's product data and installation instructions for each component and system.
- B. Shop Drawings: Submit list of components and equipment to be supplied, including proposed locations, clearances and power requirements.
- C. Operations and Maintenance Manual: Submit the Manufacturer's standard operations and maintenance manual, including emergency maintenance provider.
- D. Qualifications: Submit documentation from the Manufacturer and Installer indicating qualifications listed in Section I.4, Quality Assurance.
- E. Warranty: Submit the Manufacturer's standard one-year labor and parts warranty for turnkey installation.

I.4 QUALITY ASSURANCE

- A. Qualifications of Manufacturer: The Manufacturer shall submit a list of at least 15 completed projects using similar integrated room automation systems.

- B. Qualifications of Installer: Submit a letter signed by the Manufacturer stating that the Installer is licensed by or acceptable to the Manufacturer of the integrated room automation system.

I.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials and products in unopened, factory-labeled packages. Store and handle in strict compliance with the Manufacturer's instructions and recommendations. Protect from damage. Sequence deliveries to avoid delays, but minimize on-site storage.

I.6 COORDINATION

- A. Conference
 - I. Convene a pre-installation conference to establish procedures to coordinate this work with related and adjacent work.
- B. Coordination
 - I. Furnish inserts and anchors that must be built into other work. Work closely with installers of finish materials so that units are properly aligned with adjacent materials.

PART 2 - PRODUCTS

3.1 MANUFACTURER

- A. Acceptable Manufacturers: Inncom or pre-bid approved equal.

3.2 SYSTEM DESCRIPTION

- A. See enlarged guestroom HVAC sheets for system description.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. There shall be strict compliance with the Manufacturer's instructions and recommendations. The onset of work shall indicate that the Installer accepts the existing substrates and conditions. System installation shall be coordinated with related and adjacent work.
- B. The system shall be tested for proper operation in accordance with the Manufacturer's commissioning guide. Damaged components shall be repaired or replaced until the proper operation is achieved.
- C. The Installer shall instruct the Owner's personnel in proper operation and maintenance of the system.

END OF SECTION 229000

SECTION 229300 – MECHANICAL SYSTEMS COMMISSIONING

PART I - GENERAL

- I.1 Owner shall contract separately with Commissioning Agent (CA). Mechanical Contractor shall not include Commissioning Agent work in bid. The CA has overall responsibility for planning and coordinating the commissioning process. Mechanical Contractor shall still be required to work with all parties including Plumbing Contractor, Testing and Balancing (TAB) Contractor, Temperature Controls Contractor and Commissioning Agent until total Commissioning work is deemed satisfactory to all parties.**
- I.2 CONTRACTORS' RESPONSIBILITIES**
 - A. The mechanical division contractor's responsibilities are defined in Section 019113 of the specifications. These responsibilities apply to all specialty sub-contractors and major equipment suppliers within this division. Each contractor and supplier shall review Section 019113 and their bids shall include for carrying out the work described, as it applies to each Section within this division's specifications, individually and collectively. Contractor shall work with Testing, Adjusting and Balancing contractor to adjust air/water/controls systems after initial installation to achieve air/water flows as indicated on the plans and schedules.**

END OF SECTION 229300

SECTION 229500 - TESTING, ADJUSTING, AND BALANCING

PART I - GENERAL

I.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 01 Specification Sections, section 220100 - General Mechanical Requirements, section 220500 – Basic Mechanical Materials and Methods shall apply to this Section.

I.2 SUMMARY

- A. Testing and Balancing (TAB) Firm
 - I. The TAB firm has overall responsibility for planning and coordinating the testing and balancing process. However, TAB and commissioning involves all parties to the design and construction process, including the mechanical contractor, and all specialty sub-contractors within the mechanical sections such as sheet metal, piping, refrigeration, water treatment, and controls, plus major equipment suppliers as required.
- B. CONTRACTORS' RESPONSIBILITIES
 - I. The contractor's responsibilities are defined in the sections below. These responsibilities apply to all specialty sub-contractors and major equipment suppliers within this division. Each contractor and supplier shall review this section and their bids shall include for carrying out the work described, as it applies to each Section within this division's specifications, individually and collectively.
- C. Air Systems:
 - I. Constant-volume air systems.
 - 2. Variable-air-volume systems.
- D. Plumbing Piping Systems:
 - I. Domestic hot water recirculation system systems.
- E. HVAC equipment quantitative-performance settings.
- F. Verifying that automatic control devices are functioning properly.
- G. Reporting results of activities and procedures specified in this Section.

I.3 SUBMITTALS

- A. Qualification Data: Within 30 days from Contractor's Notice to Proceed, submit 4 copies of evidence that TAB firm and this Project's TAB team members meet the qualifications specified in "Quality Assurance" Article.
- B. Certified TAB Reports: Submit two copies of reports prepared, as specified in this Section, on approved forms certified by TAB firm.
- C. Warranties specified in this Section.

I.4 QUALITY ASSURANCE

- A. TAB Firm Qualifications: Engage a TAB firm certified by either AABC or NEBB.
- B. Certification of TAB Reports: Certify TAB field data reports. This certification includes the following:

1. Review field data reports to validate accuracy of data and to prepare certified TAB reports.
 2. Certify that TAB team complied with approved TAB plan and the procedures specified and referenced in this Specification.
- C. TAB Report Forms: Use standard forms from AABC's "National Standards for Testing and Balancing Heating, Ventilating, and Air Conditioning Systems or NEBB's "Procedural Standards for Testing, Adjusting, and Balancing of Environmental Systems."
- D. Instrumentation Type, Quantity, and Accuracy: As described in AABC's "National Standards for Testing and Balancing Heating, Ventilating, and Air Conditioning Systems or NEBB's "Procedural Standards for Testing, Adjusting, and Balancing of Environmental Systems," Section II, "Required Instrumentation for NEBB Certification."
- E. Instrumentation Calibration: Calibrate instruments at least every six months or more frequently if required by instrument manufacturer.
1. Keep an updated record of instrument calibration that indicates date of calibration and the name of party performing instrument calibration.
- I.5 COORDINATION
- A. Coordinate the efforts of factory-authorized service representatives for systems and equipment, HVAC controls installers, and other mechanics to operate HVAC systems and equipment to support and assist TAB activities.
- B. Perform TAB after leakage and pressure tests on air and water distribution systems have been satisfactorily completed.
- I.6 WARRANTY
- A. National Project Performance Guarantee: Provide a guarantee on AABC's or NEBB forms stating that AABC will assist in completing requirements of the Contract Documents if TAB firm fails to comply with the Contract Documents. Guarantee includes the following provisions:
1. The certified TAB firm has tested and balanced systems according to the Contract Documents.
 2. Systems are balanced to optimum performance capabilities within design and installation limits.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine the Contract Documents to become familiar with Project requirements and to discover conditions in systems' designs that may preclude proper TAB of systems and equipment.
1. Contract Documents are defined in the General and Supplementary Conditions of Contract.
 2. Verify that balancing devices, such as test ports, gage cocks, thermometer wells, flow-control devices, balancing valves and fittings, and manual volume dampers, are required by the Contract Documents. Verify that quantities and locations of these balancing devices are accessible and appropriate for effective balancing and for efficient system and equipment operation.
- B. Examine approved submittal data of HVAC systems and equipment.
- C. Examine equipment performance data including fan and pump curves. Relate performance data to Project conditions and requirements, including system effects that can create undesired or unpredicted conditions that cause reduced capacities in all or part of a system. Calculate system effect factors to reduce performance ratings of HVAC equipment when installed under conditions different from those presented when the equipment was performance tested at the factory. To calculate system effects for

air systems, use tables and charts found in AMCA 201, "Fans and Systems," Sections 7 through 10; or in SMACNA's "HVAC Systems--Duct Design," Sections 5 and 6. Compare this data with the design data and installed conditions.

- D. Examine system and equipment installations to verify that they are complete and that testing, cleaning, adjusting, and commissioning specified in individual Sections have been performed.
- E. Examine HVAC system and equipment installations to verify that indicated balancing devices, such as test ports, gage cocks, thermometer wells, flow-control devices, balancing valves and fittings, and manual volume dampers, are properly installed, and that their locations are accessible and appropriate for effective balancing and for efficient system and equipment operation.
- F. Examine systems for functional deficiencies that cannot be corrected by adjusting and balancing.
- G. Examine HVAC equipment to ensure that clean filters have been installed, bearings are greased, belts are aligned and tight, and equipment with functioning controls is ready for operation.
- H. Examine terminal units, such as variable-air-volume boxes, to verify that they are accessible and their controls are connected and functioning.
- I. Examine plenum ceilings used for supply air to verify that they are airtight. Verify that pipe penetrations and other holes are sealed.
- J. Examine heat-transfer coils for correct piping connections and for clean and straight fins.
- K. Examine system pumps to ensure absence of entrained air in the suction piping.
- L. Examine equipment for installation and for properly operating safety interlocks and controls.
- M. Examine automatic temperature system components to verify the following:
 - 1. Dampers, valves, and other controlled devices are operated by the intended controller.
 - 2. Dampers and valves are in the position indicated by the controller.
 - 3. Integrity of valves and dampers for free and full operation and for tightness of fully closed and fully open positions. This includes dampers in multizone units, mixing boxes, and variable-air-volume terminals.
 - 4. Automatic modulating and shutoff valves, including two-way valves and three-way mixing and diverting valves, are properly connected.
 - 5. Thermostats and humidistats are located to avoid adverse effects of sunlight, drafts, and cold walls.
 - 6. Sensors are located to sense only the intended conditions.
 - 7. Sequence of operation for control modes is according to the Contract Documents.
 - 8. Controller set points are set at indicated values.
 - 9. Interlocked systems are operating.
 - 10. Changeover from heating to cooling mode occurs according to indicated values.
- N. Report deficiencies discovered before and during performance of TAB procedures. Observe and record system reactions to changes in conditions. Record default set points if different from indicated values.

3.2 PREPARATION

- A. Complete system readiness checks and prepare system readiness reports. Verify the following:
 - 1. Permanent electrical power wiring is complete.
 - 2. Plumbing systems are filled, clean, and free of air.
 - 3. Automatic temperature-control systems are operational.

4. Equipment and duct access doors are securely closed.
5. Balance, smoke, and fire dampers are open.
6. Isolating and balancing valves are open and control valves are operational.
7. Ceilings are installed in critical areas where air-pattern adjustments are required and access to balancing devices is provided.
8. Windows and doors can be closed so indicated conditions for system operations can be met.

3.3 GENERAL PROCEDURES FOR TESTING AND BALANCING

- A. Perform testing and balancing procedures on each system according to the procedures contained in AABC's "National Standards for Testing and Balancing Heating, Ventilating, and Air Conditioning Systems" or NEBB's "Procedural Standards for Testing, Adjusting, and Balancing of Environmental Systems" and this Section.
- B. Cut insulation, ducts, pipes, and equipment cabinets for installation of test probes to the minimum extent necessary to allow adequate performance of procedures. After testing and balancing, close probe holes and patch insulation with new materials identical to those removed. Restore vapor barrier and finish according to insulation Specifications for this Project.
- C. Mark equipment and balancing device settings with paint or other suitable, permanent identification material, including damper-control positions, valve position indicators, fan-speed-control levers, and similar controls and devices, to show final settings.
- D. Take and report testing and balancing measurements in inch-pound IP units.

3.4 GENERAL PROCEDURES FOR BALANCING AIR SYSTEMS

- A. Prepare test reports for both fans and outlets. Obtain manufacturer's outlet factors and recommended testing procedures. Crosscheck the summation of required outlet volumes with required fan volumes.
- B. Prepare schematic diagrams of systems' "as-built" duct layouts.
- C. Determine the best locations in main and branch ducts for accurate duct airflow measurements.
- D. Check airflow patterns from the outside-air louvers and dampers and the return- and exhaust-air dampers, through the supply-fan discharge and mixing dampers.
- E. Verify that motor starters are equipped with properly sized thermal protection.
- F. Check dampers for proper position to achieve desired airflow path.
- G. Check for airflow blockages.
- H.
- I. Check condensate drains for proper connections and functioning.
- J. Check for proper sealing of air-handling unit components.
- K. Check for proper sealing of air duct system.

3.5 PROCEDURES FOR CONSTANT-VOLUME AIR SYSTEMS

- A. Adjust fans to deliver total indicated airflows within the maximum allowable fan speed listed by fan manufacturer.

1. Measure fan static pressures to determine actual static pressure as follows:
 - a. Measure outlet static pressure as far downstream from the fan as practicable and upstream from restrictions in ducts such as elbows and transitions.
 - b. Measure static pressure directly at the fan outlet or through the flexible connection.
 - c. Measure inlet static pressure of single-inlet fans in the inlet duct as near the fan as possible, upstream from flexible connection and downstream from duct restrictions.
 - d. Measure inlet static pressure of double-inlet fans through the wall of the plenum that houses the fan.
 2. Measure static pressure across each component that makes up an air-handling unit, rooftop unit, and other air-handling and -treating equipment.
 - a. Simulate dirty filter operation and record the point at which maintenance personnel must change filters.
 3. Measure static pressures entering and leaving other devices such as sound traps, heat recovery equipment, and air washers, under final balanced conditions.
 4. Compare design data with installed conditions to determine variations in design static pressures versus actual static pressures. Compare actual system effect factors with calculated system effect factors to identify where variations occur. Recommend corrective action to align design and actual conditions.
 5. Obtain approval from Architect for adjustment of fan speed higher or lower than indicated speed. Make required adjustments to pulley sizes, motor sizes, and electrical connections to accommodate fan-speed changes.
 6. Do not make fan-speed adjustments that result in motor overload. Consult equipment manufacturers about fan-speed safety factors. Modulate dampers and measure fan-motor amperage to ensure that no overload will occur. Measure amperage in full cooling, full heating, economizer, and any other operating modes to determine the maximum required brake horsepower.
- B. Adjust volume dampers for main duct, submain ducts, and major branch ducts to indicated airflows within specified tolerances.
1. Measure static pressure at a point downstream from the balancing damper and adjust volume dampers until the proper static pressure is achieved.
 - a. Where sufficient space in submain and branch ducts is unavailable for Pitot-tube traverse measurements, measure airflow at terminal outlets and inlets and calculate the total airflow for that zone.
 2. Remeasure each submain and branch duct after all have been adjusted. Continue to adjust submain and branch ducts to indicated airflows within specified tolerances.
- C. Measure terminal outlets and inlets without making adjustments.
1. Measure terminal outlets using a direct-reading hood or outlet manufacturer's written instructions and calculating factors.
- D. Adjust terminal outlets and inlets for each space to indicated airflows within specified tolerances of indicated values. Make adjustments using volume dampers rather than extractors and the dampers at air terminals.
1. Adjust each outlet in same room or space to within specified tolerances of indicated quantities without generating noise levels above the limitations prescribed by the Contract Documents.
 2. Adjust patterns of adjustable outlets for proper distribution without drafts.
- 3.6 PROCEDURES FOR VARIABLE-AIR-VOLUME SYSTEMS
- A. Compensating for Diversity: When the total airflow of all terminal units is more than the indicated airflow of the fan, place a selected number of terminal units at a maximum set-point airflow condition until the total airflow of the terminal units equals the indicated airflow of the fan. Select the reduced airflow terminal units so they are distributed evenly among the branch ducts.

- B. Pressure-Independent, Variable-Air-Volume Systems: After the fan systems have been adjusted, adjust the variable-air-volume systems as follows:
1. Set outside-air dampers at minimum, and return- and exhaust-air dampers at a position that simulates full-cooling load.
 2. Select the terminal unit that is most critical to the supply-fan airflow and static pressure. Measure static pressure. Adjust system static pressure so the entering static pressure for the critical terminal unit is not less than the sum of terminal-unit manufacturer's recommended minimum inlet static pressure plus the static pressure needed to overcome terminal-unit discharge system losses.
 3. Measure total system airflow. Adjust to within indicated airflow.
 4. Set terminal units at maximum airflow and adjust controller or regulator to deliver the designed maximum airflow. Use terminal-unit manufacturer's written instructions to make this adjustment. When total airflow is correct, balance the air outlets downstream from terminal units as described for constant-volume air systems.
 5. Set terminal units at minimum airflow and adjust controller or regulator to deliver the designed minimum airflow. Check air outlets for a proportional reduction in airflow as described for constant-volume air systems.
 - a. If air outlets are out of balance at minimum airflow, report the condition but leave outlets balanced for maximum airflow.
 6. Remeasure the return airflow to the fan while operating at maximum return airflow and minimum outside airflow. Adjust the fan and balance the return-air ducts and inlets as described for constant-volume air systems.
 7. Measure static pressure at the most critical terminal unit and adjust the static-pressure controller at the main supply-air sensing station to ensure that adequate static pressure is maintained at the most critical unit.
 8. Record the final fan performance data.

3.7 GENERAL PROCEDURES FOR PLUMBING SYSTEMS

- A. Prepare test reports with pertinent design data and number in sequence starting at pump to end of system. Check the sum of branch-circuit flows against approved pump flow rate. Correct variations that exceed plus or minus 5 percent.
- B. Prepare plumbing systems for testing and balancing according to the following, in addition to the general preparation procedures specified above:
1. Open all manual and balancing valves for maximum flow.
 2. Check pump-motor load. If motor is overloaded, throttle main flow-balancing device so motor nameplate rating is not exceeded.

3.8 PROCEDURES FOR PLUMBING SYSTEMS

- A. Measure water flow at pumps. Use the following procedures, except for positive-displacement pumps:
1. Verify impeller size by operating the pump with the discharge valve closed. Read pressure differential across the pump. Convert pressure to head and correct for differences in gage heights. Note the point on manufacturer's pump curve at zero flow and verify that the pump has the intended impeller size.
 2. Check system resistance. With all valves open, read pressure differential across the pump and mark pump manufacturer's head-capacity curve. Adjust pump discharge valve until indicated water flow is achieved.
 3. Verify pump-motor brake horsepower. Calculate the intended brake horsepower for the system based on pump manufacturer's performance data. Compare calculated brake horsepower with nameplate data on the pump motor. Report conditions where actual amperage exceeds motor nameplate amperage.
 4. Report flow rates that are not within plus or minus 5 percent of design.

- B. Measure flow at all manual balancing valves and adjust, where necessary, to obtain first balance.
- C. Measure flow at main balancing station and set main balancing device to achieve flow that is 5 percent greater than indicated flow.
- D. Adjust manual balancing stations to within specified tolerances of indicated flow rate as follows:
 - 1. Determine the balancing station with the highest percentage over indicated flow.
 - 2. Adjust each station in turn, beginning with the station with the highest percentage over indicated flow and proceeding to the station with the lowest percentage over indicated flow.
 - 3. Record settings and mark balancing devices.
- E. Measure pump flow rate and make final measurements of pump amperage, voltage, rpm, pump heads, and systems' pressures and temperatures including outdoor-air temperature.

3.9 PROCEDURES FOR MOTORS

- A. Motors, 1/2 HP and Larger: Test at final balanced conditions and record the following data:
 - 1. Manufacturer, model, and serial numbers.
 - 2. Motor horsepower rating.
 - 3. Motor rpm.
 - 4. Efficiency rating.
 - 5. Nameplate and measured voltage, each phase.
 - 6. Nameplate and measured amperage, each phase.
 - 7. Starter thermal-protection-element rating.
- B. Motors Driven by Variable-Frequency Controllers: Test for proper operation at speeds varying from minimum to maximum. Test the manual bypass for the controller to prove proper operation. Record observations, including controller manufacturer, model and serial numbers, and nameplate data.

3.10 PROCEDURES FOR CONDENSING UNITS

- A. Verify proper rotation of fans.
- B. Measure entering- and leaving-air temperatures.
- C. Record compressor data.

3.11 PROCEDURES FOR HEAT-TRANSFER COILS

- A. Electric-Heating Coils: Measure the following data for each coil:
 - 1. Nameplate data.
 - 2. Airflow.
 - 3. Entering- and leaving-air temperature at full load.
 - 4. Voltage and amperage input of each phase at full load and at each incremental stage.
 - 5. Calculated kilowatt at full load.
 - 6. Fuse or circuit-breaker rating for overload protection.
- B. Refrigerant Coils: Measure the following data for each coil:
 - 1. Dry-bulb temperature of entering and leaving air.
 - 2. Wet-bulb temperature of entering and leaving air.
 - 3. Airflow.
 - 4. Air pressure drop.
 - 5. Refrigerant suction pressure and temperature.

3.12 TEMPERATURE-CONTROL VERIFICATION

- A. Verify that controllers are calibrated and commissioned.

- B. Check transmitter and controller locations and note conditions that would adversely affect control functions.
- C. Record controller settings and note variances between set points and actual measurements.
- D. Check the operation of limiting controllers (i.e., high- and low-temperature controllers).
- E. Check free travel and proper operation of control devices such as damper and valve operators.
- F. Check the sequence of operation of control devices. Note air pressures and device positions and correlate with airflow and water flow measurements. Note the speed of response to input changes.
- G. Check the interaction of electrically operated switch transducers.
- H. Check the interaction of interlock and lockout systems.
- I. Check main control supply-air pressure and observe compressor and dryer operations.
- J. Record voltages of power supply and controller output. Determine whether the system operates on a grounded or nongrounded power supply.
- K. Note operation of electric actuators using spring return for proper fail-safe operations.

3.13 TOLERANCES

- A. Set HVAC & Plumbing system airflow and water flow rates within the following tolerances:
 - 1. Supply, Return, and Exhaust Fans and Equipment with Fans: Plus 5 to plus 10 percent.
 - 2. Air Outlets and Inlets: 0 to minus 10 percent.
 - 3. Plumbing-Water Flow Rate: 0 to minus 10 percent.

3.14 REPORTING

- A. Initial Construction-Phase Report: Based on examination of the Contract Documents as specified in "Examination" Article, prepare a report on the adequacy of design for systems' balancing devices. Recommend changes and additions to systems' balancing devices to facilitate proper performance measuring and balancing. Recommend changes and additions to HVAC systems and general construction to allow access for performance measuring and balancing devices.

3.15 FINAL REPORT

- A. General: Typewritten, or computer printout in letter-quality font, on standard bond paper, in three-ring binder, tabulated and divided into sections by tested and balanced systems.
- B. Include a certification sheet in front of binder signed and sealed by the certified testing and balancing engineer.
 - 1. Include a list of instruments used for procedures, along with proof of calibration.
- C. Final Report Contents: In addition to certified field report data, include the following:
 - 1. Pump curves.
 - 2. Fan curves.
 - 3. Manufacturers' test data.
 - 4. Field test reports prepared by system and equipment installers.
 - 5. Other information relative to equipment performance, but do not include Shop Drawings and Product Data.
- D. General Report Data: In addition to form titles and entries, include the following data in the final report, as applicable:
 - 1. Title page.
 - 2. Name and address of TAB firm.
 - 3. Project name.
 - 4. Project location.
 - 5. Architect's name and address.
 - 6. Engineer's name and address.
 - 7. Contractor's name and address.

8. Report date.
 9. Signature of TAB firm who certifies the report.
 10. Table of Contents with the total number of pages defined for each section of the report.
Number each page in the report.
 11. Summary of contents including the following:
 - a. Indicated versus final performance.
 - b. Notable characteristics of systems.
 - c. Description of system operation sequence if it varies from the Contract Documents.
 12. Nomenclature sheets for each item of equipment.
 13. Data for terminal units, including manufacturer, type size, and fittings.
 14. Notes to explain why certain final data in the body of reports varies from indicated values.
 15. Test conditions for fans and pump performance forms including the following:
 - a. Settings for outside-, return-, and exhaust-air dampers.
 - b. Conditions of filters.
 - c. Cooling coil, wet- and dry-bulb conditions.
 - d. Face and bypass damper settings at coils.
 - e. Fan drive settings including settings and percentage of maximum pitch diameter.
 - f. Inlet vane settings for variable-air-volume systems.
 - g. Settings for supply-air, static-pressure controller.
 - h. Other system operating conditions that affect performance.
- E. System Diagrams:
- F. Air-Handling Unit Test Reports:
- G. Apparatus-Coil Test Reports:
- H. Fan Test Reports:
- I. Round, Flat-Oval, and Rectangular Duct Traverse Reports:
- J. Air-Terminal-Device Reports:
- K. Compressor and Condenser Reports:
- L. Pump Test Reports:
- M. Air-to-Air Heat-Recovery Unit Reports:
- N. Instrument Calibration Reports:

END OF SECTION 229500

DIVISION 26 – ELECTRICAL

260100	GENERAL ELECTRICAL REQUIREMENTS - 8
260500	BASIC ELECTRICAL MATERIALS AND METHODS - 5
260600	GROUNDING AND BONDING - 2
260720	ELECTRICAL SUPPORTS - 2
260750	ELECTRICAL IDENTIFICATION - 1
261200	CONDUCTORS AND CABLES - 2
261300	RACEWAYS AND BOXES - 4
261400	WIRING DEVICES – 2
261450	LIGHTING CONTROL DEVICES - 1
264100	SAFETY SWITCHES – 1
264410	SWITCHBOARDS – 4
264420	PANELBOARDS – 7
265110	LIGHTING FIXTURES – 2
265150	NETWORK LIGHTING CONTROLS - 42
269000	FIRE ALARM SYSTEM – 13
269300	ELECTRICAL SYSTEMS COMMISSIONING - 1

Table of Contents

SECTION 260100 - GENERAL ELECTRICAL REQUIREMENTS

PART I - GENERAL

I.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division I Specification Sections shall apply to this Section.

I.2 SPECIFICATION FORM AND DEFINITIONS

- A. These Specifications are abbreviated form and contain incomplete sentences. Omissions of words or phrases such as "the Contractor shall", "shall be", "as noted on the drawings", "according to the drawings", "a", "an", "the" and "all" are intentional. Omitted words and phrases shall be supplied by inference.
- B. When a word such as "proper", "satisfactory", "equivalent", and "as directed" is used, it requires Engineer's review.
- C. "Provide" means furnish and install.
- D. "Working Day" wherever used in these specifications shall mean the normal working days, Monday through Friday, exclusive of Saturday, Sunday and federally observed holidays.
- E. Architect-Engineer hereinafter abbreviated A/E shall mean both the Design Architects and Design Engineers.
- F. Design Engineer, hereinafter abbreviated D/E shall mean the Engineering firm, CJD Engineering, LLC, 2225 West Chesterfield Boulevard, Suite 200, Springfield, Missouri 65807, Telephone (417) 877-1700. Contact person: Crhis Bozarth. cbozarth@cjd-eng.com
- G. Electrical Contractor, hereinafter abbreviated E/C shall mean the person or company and their subcontractors who enter into contract with the Owner to perform the electrical division work.
- H. Mechanical Contractor, hereinafter abbreviated M/C shall mean the person or company and their subcontractors who enter into contract with the Owner to perform the mechanical division work.
- I. General Contractor, hereinafter abbreviated G/C shall mean the person or company and their subcontractors who enter into contract with the Owner to perform the general division work.
- J. Equipment and/or materials manufacturer hereinafter abbreviated E/M shall mean the manufacturer of equipment or materials specified or referred to.

I.3 GENERAL EXTENT OF WORK

- A. Provide electrical systems indicated on drawings, specified or reasonably implied. Provide every device and accessory necessary for proper operation and completion of electrical systems. In no case will claims for "Extra Work" be allowed for work about which E/C could have informed himself before bids were taken.
- B. E/C shall familiarize himself with equipment provided by other Contractors which require electrical connections and controls.
- C. Make required electrical connections to equipment provided under Architectural and Mechanical divisions of this project, except where shown or specified otherwise. All temperature control electrical

wiring and connections shall be by Electrical Contractor. Make required internal field wiring modifications indicated on wiring diagrams of factory installed control systems for control sequence specified. These field modifications shall be limited to jumper connections and connection of internal wiring to alternate terminal block lugs. Cost for field modifications requiring re-wiring of factory installed control systems for equipment provided by G/C or M/C shall be included in base bid of each respective contractor.

- D. Check electrical data and wiring diagrams received from M/C for compliance with project voltages, wiring, controls and protective devices shown on electrical drawings. Promptly bring discrepancies found to attention of A/E for a decision.
- E. Provide safety disconnect switches, contactors, and manual and magnetic motor starters for mechanical and electrical equipment requiring such devices. Omit these devices where included as part of factory installed prewired control systems provided with mechanical equipment. With exception of factory installed devices, provide safety disconnect switches, contactors and motor starters by one manufacturer to allow maximum interchangeability of repair parts and accessories for these devices.
- F. To maximum extent possible electrical controls in boiler rooms, equipment rooms, and control rooms shall be grouped in accessible locations and arranged according to function. Where possible use group control panels and combination starters in lieu of individually enclosed devices.

I.4 LOCAL CONDITIONS

- A. Visit site and determine existing local conditions affecting work in contract.
- B. Failure to determine site conditions or nature of existing or new construction will not be considered basis for granting additional compensation.

I.5 CODES, ORDINANCES, RULES AND REGULATIONS

- A. Provide work in accordance with applicable rules, codes, ordinances and regulations of Local, State, and Federal Governments, and other authorities having lawful jurisdiction.
- B. Conform to latest editions and supplements of following codes, standards or recommended practices.
 - 1. Safety Codes
 - a. National Electric Safety Code Handbook H30 - National Bureau of Standards.
 - b. Occupational Safety and Health Standards - Department of Labor.
 - c. Specifications for Making Buildings and Facilities Accessible To, and Usable By, the Physically Handicapped - American National Standards Institute ANSI A117.1.
 - 2. National Fire Codes:
 - a. NFPA No. 70 - National Electric Code, 2014 Edition.
 - b. NFPA No. 76A - Essential Electric Systems, latest edition.
 - c. NFPA No. 101 - Life Safety Code, latest edition.
 - 3. Underwriters Laboratories Inc.:
 - a. UL-508 - Standards for Industrial Control Equipment.
 - b. UL-I 008- Standard for Automatic Transfer Switches.

I.6 All materials, equipment and component parts of equipment shall bear UL labels whenever such devices are listed by UL.

- A. Drawings and specifications indicate minimum construction standard, should any work indicated be sub-standard to any ordinances, laws, codes, rules or regulations bearing on work, E/C shall promptly

notify A/E in writing before proceeding with work so that necessary changes can be made. However, if E/C proceeds with work knowing it to be contrary to any ordinances, laws, rules, and regulations, he shall thereby have assumed full responsibility for and shall bear all costs required to correct non-complying work.

- B. E/C shall secure and pay for necessary permits and certificates of inspection required by governmental ordinances, laws, rules or regulations. Keep a written record of all permits and inspection certificates and submit two copies to A/E with request for final inspection.

I.7 CONTRACT CHANGES

- A. Changes or deviations from contract, including those for extra or additional work must be submitted in writing for review of A/E. No verbal orders will be recognized.
- B. Changes in the work shall be submitted in accordance with AIA Document A201. General Conditions of the Contract for Construction.
- C. All change proposals shall be itemized indicating separately the costs for materials, labor, restocking charges, freight, bonds, insurance, overhead and profit. All materials shall be listed separately with quantities and individual unit prices. Labor factors shall be from a nationally recognized source with appropriate adjustments.

I.8 LOCATIONS AND INTERFERENCES

- A. Locations of equipment, conduit and other electrical work is indicated diagrammatically by electrical drawings. Layout work from dimensions on Architectural and Structural Drawings. Verify equipment size from manufacturers shop drawings.
- B. Study and become familiar with contract drawings of other trades and in particular general construction drawings and details to obtain necessary information for figuring installation. Cooperate with other workmen and install work to avoid interference with their work. Minor deviations, not affecting design characteristics, performance or space limitation may be permitted if reviewed by A/E prior to installation.
- C. Any conduit, apparatus, appliance or other electrical item interfering with proper placement of other work as indicated on drawings, specified, or required, shall be removed and if so shown relocated and reconnected without extra cost. Damage to other work caused by E/C, his Sub- Contractor, his workmen or by any cause whatsoever, shall be restored as specified for new work.

I.9 SYSTEMS PERFORMANCE

- A. Final acceptance of work shall be subject to the condition that all systems, equipment, apparatus and appliance operate satisfactorily as designed and intended. Work shall include required adjustment of systems and control equipment installed under this specification division.

I.10 WARRANTY

- A. E/C warrants to Owner and Architect the quality of materials, equipment, workmanship and operation of equipment provided under this specification division for a period of one year from and after date of substantial completion of building and acceptance of electrical systems by Owner.
- B. Where manufacturers' warranties expire during the one year warranty period, E/C shall include provisions for extending warranty for the full one year period and shall include cost for warranty extension in his base bid. Where warranty extensions are not available from manufacturer, supplier or

installer, M/C shall provide labor, parts and material warranty services equal to the requirements of these specifications and the terms of the manufacturer, supplier and installer warranties.

- C. E/C warrants to Owner and Architect that on receipt of written notice from either of them within one year warranty period following date of acceptance all defects that have appeared in materials and/or workmanship, shall be promptly corrected to condition required by contract documents at E/C's expense.
- D. The above warranty shall not supersede any separately stated warranty or other requirements required by law or by these specifications.
- E. Keep an itemized list of all equipment warranties listing equipment by name, mark, and type along with length and expiration date of each warranty. Submit two copies to A/E with request for final inspection.
- F. If the Architect's specification includes a warranty that exceeds the above warranty requirements the Architect's warranty shall take precedence.

I.11 MATERIALS EQUIPMENT AND SUBSTITUTIONS

- A. The intent of these specifications is to allow ample opportunity for E/C to use his ingenuity and abilities to perform the work to his and Owner's best advantage, and to permit maximum competition in bidding on standards of materials and equipment required.
- B. Material and equipment installed under this contract shall be first class quality, new, unused and without damage.
- C. In general these specifications identify required materials and equipment by naming first the manufacturer whose product was used as the basis for the project design and specifications. The manufacturers product, series, model, catalog and/or identification numbers shall set quality and capacity requirements for comparing the equivalency of other manufacturer's products. Where other manufacturers names are listed they are considered an approved manufacturer for the product specified, however; the listing of their names implies no prior approval of any product unless specific model or catalog numbers are listed in these specifications or in subsequent addenda. Where other than first named products are used for E/C base bid proposal it shall be his responsibility to determine prior to bid time that his proposed materials and equipment selections are products of approved manufacturers which meet or exceed the specifications and are acceptable to the D/E.
- D. Where materials or equipment are described but not named, provide required items of first quality, adequate in every respect for intended use. Such items shall be submitted to A/E for review prior to procurement.
- E. Prior to receipt of bids, if M/C wishes to incorporate products other than those named in Specifications in his bid, he shall submit a written request for review of substitutions to D/E not less than seven working days prior to bid date. D/E will review requests and acceptable items will be listed in an addendum issued to principal bidders.
- F. Materials and equipment proposed for substitution shall be equal to or superior to that specified in construction, efficiency, utility, aesthetic design, and color as determined by A/E whose decision shall be final and without further recourse. Physical size of substitute brand shall be no larger than space provided including allowances for access for installation and maintenance. Requests must be accompanied by two copies of complete descriptive and technical data including E/M's name, model and catalog number, photographs or cuts, physical dimensions, operating characteristics and any other information needed for comparison.

- G. In proposing a substitution prior to or subsequent to receipt of bids, include in such proposal cost of altering other elements of Project, including adjustments in mechanical/electrical service requirements necessary to accommodate such substitution; whether such affected elements be under this contract or under separate contracts.
 - H. Within 7 working days after bids are received, apparent low bidder shall submit to A/E for approval three copies of a list of all major items of equipment he intends to provide. As soon as practicable and within 30 working days after award of Contract, E/C shall submit shop drawings for equipment and materials to be incorporated in work for A/E's review. Where 30 working day limit is insufficient for preparation of detailed shop drawings on major equipment or assemblies, E/C shall submit manufacturer's descriptive catalog data and indicate date such detailed shop drawings will be submitted along with manufacturer's certification that order was placed within 30 working day limit.
 - I. After execution of Contract, substitution of product brands for those named in Specifications will be considered, only if:
 - J. Request is received within thirty days after Contract date and request includes statement showing credit due Owner, if any, if substitution product is used, or
 - K. Owner requests consideration be given to substitute brands.
- I.12 SHOP DRAWINGS, OPERATING AND MAINTENANCE INSTRUCTIONS
- A. E/C shall furnish a minimum eight sets of shop drawings of all materials and equipment. A/E will retain four sets.
 - B. Where catalog cuts are submitted for review, conspicuously mark or provide schedule of equipment, capacities, controls, fittings, sizes, etc. that are to be provided. Mark each submitted item with applicable section and paragraph numbers of these specifications, or plan sheet number when item does not appear in specifications. Where equipment submitted does not appear in base specifications or specified equivalent, submittals shall be marked with applicable alternate numbers, change order number or letters of authorization. Each submittal shall contain at least two sets of original catalog cuts. Each catalog sheet shall bear E/M's name and address. All shop drawings on materials and equipment listed by UL shall indicate UL approval on submittal.
 - C. E/C shall check all shop drawings to verify that they meet specifications and/or drawings requirements before forwarding submittals to the A/E for their review. All shop drawings submitted to A/E shall bear E/C approval stamp which shall indicate that E/C has reviewed submittals and that they meet specification and/or drawing requirements. E/C's submittal review shall specifically check for but not be limited to the following: equipment capacities physical size in relation to space allowed; electrical characteristics, provisions for supply, return and drainage connections to building systems. All shop drawings not meeting E/C's approval shall be returned to his supplier for resubmittal.
 - D. No shop drawing submittals will be considered for review by the A/E without E/C's approval stamp, or that have extensive changes made on the original submittal as a result of E/C's review.
 - E. A/E will not be responsible for the cost of returning shop drawing submittals that are submitted to them without E/C's review and approval stamp. A letter will be sent to E/C by either the Architect or Engineer indicating receipt of an improper submittal, E/C shall acknowledge receipt of letter and indicate his plans for pick-up or resubmitting. A/E will hold improper submittals for pick-up by E/C or supplier for 15 working days after date of receipt. If not picked up by the 16th working day, submittals will be disposed of by A/E.
 - F. A/E's review of shop drawings will not relieve E/C of responsibility for deviations from drawings and specifications unless such deviations have been specifically approved in writing by Owner of his

representative, nor shall it relieve E/C of responsibility for errors in shop drawings. No work shall be fabricated until the A/E's review has been obtained. Any time delay caused by correcting and resubmitting shop drawings will be E/C's responsibility.

G. Operating and Maintenance Instructions:

1. Submit with shop drawings of equipment, one set of operating and maintenance instructions and parts lists for all items of equipment provided. Instructions shall be prepared by E/M.
2. Keep in safe place, keys and wrenches furnished with equipment under this contract. Present to Owner and obtain receipt for same upon completion of project.
3. Prepare complete brochure covering electrical systems and equipment provided under this contract. Submit brochures to A/E for review before delivery to Owner. E/C at his option may prepare brochure or retain an individual to prepare it for him. Include cost of this service in base bid. Brochures shall contain following:
 4. Certified equipment drawings and/or catalog data with equipment provided clearly marked as outlined under this specification.
 5. One copy each of balance and test reports required and as outlined under this specification.
 6. Complete operating and maintenance instructions for each item of equipment.
 7. Special emergency operating instructions with a list of service organizations (including addresses and telephone numbers) capable of rendering emergency service to various parts of electrical system.
 8. Provide brochures bound in Wilson Jones No. B3-367-49R or National No. 82-87-684 3" capacity red vinyl guarded three ring binder with metal hinge. Reinforce binding edge of each sheet of loose-leaf type brochure to prevent tearing from continued usage. Clearly print on front cover label of each brochure the following:
 9. Project name and address.
 10. Section of work covered by brochure, i.e. "Electrical".

I.13 RECORD DOCUMENTS

- A. Record Drawings: Maintain a reproducible set of contract drawings and shop drawings in clean, undamaged condition, with mark-up of actual installations which vary substantially from the work as originally shown. Mark whichever drawing is most capable of showing "field" condition fully and accurately; however, where shop drawings are used for mark-up, record a cross-reference at corresponding location on working drawings. Mark with red erasable red pencil and, where feasible, use other colors to distinguish between variations in separate categories of work. Mark-up new information which is recognized to be of importance to Owner, but was for some reason not shown on either contract drawings or shop drawings. Give particular attention to concealed work, which would be difficult to measure and record at a later date. Note related change-order numbers where applicable. Organize record drawing sheets into manageable sets, bind with durable paper cover sheets, and prints suitable titles, dates and other identification on cover of each sheet.
- B. Record Specifications: Maintain one copy of specifications, including addenda, change orders, and similar modifications issued in printed form during construction, and mark-up variations (of substance) in actual work in comparison with text of specifications and modifications as issued. Give particular attention to

substitutions, selection of option, and similar information on work where it is concealed or cannot otherwise be readily discerned at a later date by direct observation. Note related record drawing information and product data, where applicable. upon completion of mark-up submit to Architect/Engineer for Owner's records.

- C. The contractor shall provide a full set of photographs showing the entire underground equipment. The photographs shall be taken prior to any concrete being poured. The underground equipment shall consist of, but not be limited to, the following:

Piping
Conduits
Ductwork

- D. The contractor shall provide the photographs in an 8.5" x 11" format for record keeping purposes with the maintenance manuals. The photos shall all be digital and a disk or C.D. shall be provided to the Owner as a permanent record.

- E. As-built documents shall be submitted for approval prior to final payment. Copies of "In-Progress" as-built drawings shall be submitted at each pay request.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION (NOT APPLICABLE)

PART 4 - EXHIBITS

4.1 EXHIBIT A

- A. SUBSTITUTION REQUEST FORM following the end of this section.

END OF SECTION 260100

EXHIBIT A - SUBSTITUTION REQUEST FORM

Return completed substitution request form with supporting data five (5) working days prior to bid date. Engineer reserves the right to refuse consideration of requested substitutions submitted less than five (5) working days prior to bid date. Substitution request will not be considered without supporting data.

Specification Section: _____ Page: _____ Paragraph _____

Drawing Detail No. / Sheet No. _____ Description: _____

Specified Manufacturer / Model No.: _____

Substitute Manufacturer / Model No.: _____

Attach supporting data including:

- A product description, specifications, drawings, photographs, samples, capacities at design conditions, reports, and test data adequate for evaluation of the request.
 - A description of changes to the Contract Documents that the proposed substitution will require for its proper installation.
 - Location of substitution manufacturer's nearest factory certified service office.
-

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on mechanical, plumbing, fire sprinkler, electrical, or other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution, errors in attached supporting data, or insufficient supporting data for thorough review.

Substitution request submitted by: _____

Signed by: _____

Firm: _____

Address: _____

Telephone: _____ Fax: _____

Engineer's Review:

☐ Substitution accepted ☐ Substitution rejected
☐ Substitution accepted as noted ☐ Substitution request received too late

Remarks: _____

Acceptance of requested substitution does not relieve the proposed substitution from submittal/shop drawing review and does not constitute prior approval of proposed substituted materials or equipment.

Signed by: _____ Date: _____

SECTION 260500 - BASIC ELECTRICAL MATERIALS AND METHODS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 1 Specification Sections and section 260100 - General Electrical Requirements shall apply to this Section.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION

3.1 CIRCUITING

- A. Follow circuiting shown on drawings for lighting, power and equipment connections.

3.2 CUTTING AND PATCHING

- A. Contractor shall do cutting and patching of building materials required for installation of work herein specified. Cut no structural members without Architect's approval and in a manner approved by him.
- B. Patching shall be by mechanics of particular trade involved and shall meet approval of Architect.
- C. Drilling and cutting of openings through building materials require Architect's review and approval. Make openings in concrete with concrete hole saw or concrete drill. Do not use star drill or air hammer for this work.

3.3 SLEEVES

- A. Provide proper type and size sleeves for electrical ducts, busses, conduits, etc. passing through building construction. Where sleeves are installed by Others, supervise installation to insure proper sleeve location. Unless indicated or approved, install no sleeves in structural members. Sleeves shall be installed in concrete or masonry walls or floors and where otherwise noted.
- B. Each sleeve shall be continuous through wall floor or roof and shall be cut flush on each side except where indicated otherwise. Sleeves shall not be installed in structural member except where indicated or approved. Sleeves shall be required through floors subject to flooding such as toilet rooms, equipment rooms and kitchens. The contractor shall have the option of:
- C. Providing a cast iron sleeve with integral flanges extending 1 inch above finished floor. Sleeve shall be cast in concrete when floor is poured. Annular space between sleeve and pipe shall be filled with Kaowool.

or
- D. Provide core-drilled opening in concrete with Thunderline Unk-Seal or Calpico Sealing Linx between piping and opening.
- E. Sleeves passing through floors and exterior walls with waterproof membranes shall be core-drilled (floors only) and sealed with Thunderline Link-Seal or Calpico Sealing Linx.
- F. Where electrical ducts, busses, conduits, wiring, etc. passed through fire walls, floors, and smoke partitions seal annular space between sleeve and item passing thru with Kawool Fire Master Bulk

Packing. Packing thickness shall be sized per manufacturer's recommendation for maintaining the integrity of the fire wall/floor or smoke partition. Fire protection system shall be rated per ASTM E 119. Equivalents to Kaowool are 3M, Flame Stop, or Flame Safe.

- G. Where piping passes through walls serving as supply or exhaust air plenums or chases, seal annular space between pipe and sleeve air tight with Thunderline Link-Seal or Calpico Sealing Linx.

3.4 MUTILATION

- A. Mutilation of building finishes, caused by installation of electrical equipment, fixtures, outlets and other electrical devices shall be repaired at E/C's expense to approval of Architect.

3.5 EXCAVATION AND BACKFILL

- A. Perform necessary excavating to receive work, provide necessary sheathing, shoring, cribbing, tarpaulins, etc. as required and remove same at completion of work. Perform excavation in accordance with appropriate section of these specifications, and in compliance with OSHA Safety Standards.
- B. Excavate trenches of sufficient width to allow ample working space, and no deeper than necessary for installation of work.
- C. Conduct excavations so no walls or footings are disturbed or injured. Backfill excavations made under or adjacent to footings with selected earth or sand and tamp to compaction required by A/E. Mechanically tamp backfill under concrete and pavings in 6 inch layers to 95% standard density.
- D. Backfill trenches and excavations to required heights with allowance made for settlement. Tamp fill material thoroughly and moistened as required for specified compaction density. Dispose of excess earth, rubble and debris as directed by Architect.
- E. When available refer to test hole information on Architectural drawings or specifications for types of soil to be encountered in excavations. Where rock is indicated, list unit cost for rock excavation in base bid.

3.6 SETTING, ADJUSTMENT AND EQUIPMENT SUPPORTS

- A. Work shall include mounting, alignment and adjustment of systems and equipment. Set equipment level on adequate foundations and provide proper anchor bolts and isolation as shown or specified. Level, shim, and grout equipment bases as recommended by E/M. Mount motors, align and adjust drive shafts and belts according to E/M's instructions. Equipment failures resulting from improper installation or field alignment shall be repaired or replaced by E/C at no cost to Owner.
- B. Provide concrete bases for all floor and slab mounted equipment. Refer to drawings for required base type and size. Provide 3 1/2" high base where base is not shown on drawings.
- C. Provide each piece of equipment or apparatus suspended from ceiling or mounted above floor level with suitable structural support, platform or carrier in accordance with best recognized practice. E/C shall arrange for attachment to building structure, unless otherwise indicated on drawings or specified. Provide hangers with vibration eliminators where required. Contractor shall verify that structural members of building are adequate to support equipment. Submit details of hangers, platforms and supports together with total weights of mounted equipment to A/E for review before proceeding with fabrication or installation.

3.7 PAINTING OF MATERIALS AND EQUIPMENT

- A. Equipment and materials exposed to interior dry environment shall have a minimum of one primer and one finish coat. Equipment and materials mounted in exterior location shall have a minimum of one primer and two coat colors in finish areas shall be selected by A/E.
- B. After installation, damage to painted surfaces shall be properly prepared and primed with primers equal to factory materials. Finish coating shall be same color and type as factory finish.
- C. Where extensive refinishing of factory applied finishes are required equipment shall be completely repainted. A/E will make final determination on extent of refinishing required.

3.8 MAINTENANCE OF SYSTEMS

- A. E/C shall be responsible for operation, maintenance and lubrication of equipment installed under his contract through substantial completion.

3.9 PROTECTION AND CLEANING OF SYSTEMS AND EQUIPMENT

- A. It shall be E/C's responsibility to protect and prevent damage to all electrical materials and equipment stored and/or installed under this contract. All work, materials and equipment shall be adequately protected by any and all means necessary to prevent damage by weather, flooding, condensation, construction debris, fire, and construction equipment and vehicles.
- B. Where job conditions, or work of other contractors produce the potential for damage to electrical systems and equipment, E/C shall immediately notify the G/C so that corrective action can be taken.
- C. E/C shall take extra precautions to protect electrical equipment containing solid state electronics, open relays, and contacts from damage by water, dust, dirt, construction debris and the formation of condensate. All equipment so damaged shall be replaced by E/C with new equipment at no cost to Owner.
- D. E/C shall periodically inspect and clean all systems and equipment to insure all systems and equipment remain in like new condition during construction. All cleaning shall be done in accordance with E/M's recommendation where available and applicable.
- E. Before request for final inspection all systems and equipment shall be properly cleaned, vacuumed, polished, painted, etc. as required to return equipment to like new appearance.
- F. All equipment requiring painting or touch-up shall be properly prepared and painted in accordance with this specification.
- G. E/C shall keep a written record listing systems and equipment cleaned. Where special procedures or chemicals were used or where partial or complete disassembly of factory assembled equipment was necessary, E/C shall list special procedures and/or disassembly required and equipment components affected. Prior to final inspection E/C shall submit two copies of cleaning record to A/E for their records.

3.10 START-UP, CHANGE-OVER, TRAINING AND OPERATING CHECK

- A. E/C shall perform initial start-up of systems and equipment. Personnel qualified to start-up and service this equipment, including manufacturers technicians, when specified, and Owner's operating personnel shall be present during these operations.

- B. E/C shall be responsible for training Owner's operating personnel to operate and maintain systems and equipment installed. Keep a record of training provided to Owner's personnel listing the date, subject covered, instructor's name, names of Owner's personnel attending and total hours of instruction given each individual.
- C. E/C shall report in person to Owner's operating Engineer at end of first month of operation and thereafter at end of first month of operation and thereafter at end of sixth and twelfth months after date of substantial completion of building to check operation of equipment that was installed under contract. Contractor shall answer operating personnel's questions regarding system operation and shall ascertain that systems are operating normally and are being properly maintained by Owner. If E/C finds that systems are not being operated and maintained as designed, he shall inform the Building Engineer/Owner and A/E in writing.
- D. After each inspection, E/C shall submit written report to A/E indicating condition of equipment and including any recommended changes in operation of system or other information which will be helpful to Owner.

3.11 PRE-FINAL AND FINAL CONSTRUCTION REVIEW

- A. At E/C's request, A/E will make pre-final construction review to determine if to the best of their knowledge project is completed in accordance with plans and specifications. Items found by A/E as not complete or not in accordance with requirements of contract will be outlined in report to E/C. After completion and/or correction of these items, E/C shall notify Architect he is ready for final review.
- B. At same time of final construction review, E/C and his major sub-contractors shall be present or be represented by a person of authority. Each Contractor shall demonstrate, as directed by A/E, that his work complies with purpose and intent of plans and specifications. Each Contractor shall provide labor, services, instruments, and tools necessary for such demonstrations and tests.

3.12 RECORDING AND REPORTING TESTS AND DATA

- A. Record nameplate horsepower, amperes, volts, phase service factor and other necessary data on motors and other electrical equipment furnished and/or connected under this contract.
- B. Record motor starter catalog number, size and rating and/or catalog number of thermal-overload units installed in all motor starters furnished and/or connected under this contract. See motor starter specification for instructions for proper sizing of thermal-overload units.
- C. Record amperes-per-phase at normal or near-normal loading of each item of equipment furnished and/or connected.
- D. Record correct readings of each feeder conductor after energized and normally loaded, and again after balancing of feeder loads as required by current readings.
- E. Record voltage and amperes-per-phase readings taken at service entrance equipment after completion of project with building operating at normal electrical load. This reading shall be taken continuously for a 24 hour period and recorded on permanent tape and submitted to A/E.
- F. Record voltage and amperes at transformer secondary and primary stations, at normal loading. Record transformer percentage "taps" finally selected. Transformers shall be connected to produce voltage at building service entrance equipment as follows:

Nominal System Voltage	Service Entrance Voltage
460	480
200	208

April 21, 2023

Staybridge Suites
Springfield, Missouri

- G. Submit at least two (2) copies of data noted above to A/E for review prior to final inspection.
- H. Keep a record of all deviations made from routes, locations, circuiting, etc. shown on contract drawings. Prior to final inspection submit one new set of project drawings with all deviations and changes clearly indicated.

END OF SECTION 260500

SECTION 260600 - GROUNDING AND BONDING

PART 1 - GENERAL

I.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division I Specification Sections, section 260100 - General Electrical Requirements, and section 260500 - Basic Electrical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 – EXECUTION

- A. Supplement grounded neutral of secondary distribution system with equipment grounding system, installed so that metallic structures, enclosures, raceways, junction boxes, outlet boxes, cabinets, machine frames, portable equipment and other conductive items operate continuously at ground potential and provide low impedance path for ground fault currents. System shall comply with National Electrical Code, modified as indicated on drawings as specified.
- B. Provide equipment ground bus in base of low voltage switchgear or switchboard. Braze or otherwise adequately connect ground system to at least three 3/4" diameter by 10'-0" long ground rods. Where extra rods are necessary to meet requirements of specified tests, E/C shall be reimbursed for additional cost. Rods shall be located a minimum of six feet from each other of any other electrode and shall be interconnected by a minimum 3/0 bare copper conductor brazed to each ground rod below grade.
- C. Ground metallic water piping system to electrical service ground with a minimum 3/0 or as required green insulated copper ground conductor, in conduit. Where a dielectric main water fitting is installed, connect ground conductor to building side of dielectric water fittings. Do not install jumper around dielectric water fitting. Bond conduit to ground conductor at each end. Provide 3/0 jumper with ground clamps around water meter.
- D. Provide grounding electrode system as required by the Latest National Electrical Code, Section 250-81 -H.
- E. Connect system neutral ground and equipment ground system to common ground bus.
- F. Ground secondary services at supply side of each individual secondary disconnecting means and at related transformers in accordance with National Electric Code. Provide each service disconnect enclosure with neutral disconnecting means which interconnect with insulated neutral and uninsulated equipment ground sub to establish system common ground point. Neutral disconnecting links shall be located so that low voltage neutral bar with interior secondary neutrals can be isolated from common ground bus and service entrance conductors.
- G. Required equipment grounding conductors and straps shall be sized in compliance with N.E.C. Table 250-95. Equipment grounding conductors shall be provided with green type TW 600 volt insulation. Related feeder and branch circuit grounding conductors shall be connected to ground bus with approved pressure connectors. Provide feeder servicing several panelboards with a continuous grounding conductor connected to each related panelboard ground bus.
- H. Provide low voltage distribution system with a separate green insulated equipment grounding conductor for each single or three-phase feeder, and each branch circuit except as specified herein. Where more than one branch circuit is installed in a common raceway only one grounding conductor is required. Grounding conductor shall be sized for largest branch circuit overcurrent device serving common raceway.

- I. Single phase 120 volt branch circuits for lighting shall consist of phase, neutral and grounding conductors installed in common metallic conduit. Provide flexible metallic conduit utilized in conjunction with above single phase branch circuits with suitable green insulated grounding conductors. Feeders and branch circuits in non-metallic conduits shall be provided with separate grounding conductor. Install grounding conductor in common conduit with related phase and/or neutral conductors. Where parallel feeders are installed in more than one raceway, each raceway shall have a green insulated equipment grounding conductor.
- J. E/C shall provide equipment grounding bars for termination of equipment grounding conductors in panelboards and other electrical equipment. In addition to active circuits, provide pressure connectors for panel spares and blank spaces.
- K. Provide electrical expansion fitting with an external flexible copper ground securely bonded by approved grounding straps on each end of fitting except where UL approved built-in copper grounding device is provided.
- L. Provide non-metallic conduits or ducts with equipment grounding conductors except for conditions as follows:
 - I. Where ducts are for telephone or communication uses only.
- M. Connect each cable rack system to equipment grounding system with insulated conductor with size determined by largest power conductor in rack. Minimum size shall be No. 6 and maximum size shall not exceed equivalent capacity of number 4/0 copper conductor. Ground conductor shall be bonded to rack system, enclosed in conduit, and connected to common ground bus.
- N. Provide electric devices such as air cleaners or heaters control switch, etc., installed in air ducts, with insulated equipment ground conductor sized on rating of overcurrent device supplying unit. Bond conductor to each unit, air duct, and to ground in panelboard.
- O. Provide electric immersion type water heater or surface heating cables with insulated equipment ground conductor sized on rating of overall device supplying unit. Bond conductor to water piping at unit and to ground bar in panelboard.
- P. Provide steel and aluminum conduits which terminate without mechanical connection to metallic housing of electrical equipment with ground bushing and connect each bushing with bare copper conductor to ground bus in electrical equipment. Electrically non-continuous metallic conduits containing ground wiring only shall be bonded to ground wire at both conduit entrance and exit.
- Q. Ground and bond exterior mounted light poles, radio and television masts and flag poles with No. 6 or larger bare copper wire connected to 96" long, 3/4" copper clad ground rod driven in ground.
- R. Test complete equipment grounding system to each service disconnect enclosure ground bar with Vibroground test unit manufactured by Associated Research Inc. Resistance, without chemical treatment or other artificial means shall not exceed five (5) ohms to ground. Submit certified test reports of compliance with five (5) ohm value.

END OF SECTION 260600

SECTION 260720 - ELECTRICAL SUPPORTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 1 Specification Sections, section 260100- General Electrical Requirements, and section 260500 - Basic Electrical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS

2.1 Individual conduits suspended from ceiling shall be supported by Steel City No. C-I 49 hangers.

- A. Provide inserts, hangers and accessories with finish as follows:
- B. Galvanized: Concrete inserts and pipe straps.
- C. Galvanized or Cadmium Plated: Steel bolts, nuts, washers, and screws.
- D. Painted with Prime Coat: Individual hangers, trapeze hangers and rods.
- E. Equivalent hanger and support systems by Binkley, Fee and Mason, Kin-Line or Unistrut.
- F. Inserts shall be Grinnel Figure 279, 281, 282, or 285 or equivalent as required by load and concrete thickness.
- G. Provide beam clamps suitable for structural members and conditions.
- H. Provide 3/8" minimum diameter steel hanger rods galvanized or cadmium-plated finish.
- I. Trapeze hangers shall be Kindorf Series 90 channel with fittings and accessories as required.
- J. Attach each conduit to trapeze hanger with Steel City No. C-I 05 clamps for rigid conduit and Steel City No. C-I 06 clamps for electrical metallic tubing (EMT).

PART 3 - EXECUTION

3.1 ELECTRICAL SUPPORTS:

- A. Support vertical and horizontal conduit runs at intervals not greater than 10 feet, within 3 feet of any bend and at every outlet or junction box. Where plastic conduit is used follow E/M's recommended hanger spacing.
- B. Install multiple runs of conduits as follows:
- C. Where a number of conduits are to be run exposed and parallel, group and support with trapeze hangers.
- D. Fasten hanger rods to structural steel members with suitable beam clamps and to concrete structures with inserts set flush with surface. Install concrete inserts with reinforced rod through opening provided in inserts.
- E. Install clamps for single conduit runs as follows:

April 21, 2023

Staybridge Suites
Springfield, Missouri

- F. Support individual runs by approved pipe straps, secured by toggle bolts on hollow masonry; expansion shields and machine screws or standard preset inserts on concrete or solid masonry; machine screws or bolts on metal surfaces; and wood screws on wood construction. Use of perforated strap not permitted.
- G. Install exposed conduits in damp locations with clamp backs under each conduit clamp to prevent accumulation of moisture around conduits.

END OF SECTION 260720

SECTION 260750 - ELECTRICAL IDENTIFICATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 1 Specification Sections, section 260100 - General Electrical Requirements, and section 260500 - Basic Electrical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS

2.1 ELECTRICAL IDENTIFICATION:

- A. Provide identification and warning signs to wiring and equipment as listed in schedule. Signs and tags shall be as follows:
 - TYPE 1: Laminated phenolic plastic with black Gothic-condensed lettering by Seaton or Wilco.
 - TYPE 2: Self-sticking 1/2" wide plastic tape with high gloss surface and embossed lettering by Brady or Dymo.
 - TYPE 3: Self-sticking polyester sign with wording and size conforming to ANSI Standard Z35.1 - 1964 and OSHA 19.0.144iii(2) Specifications, by Brady or as approved.
 - TYPE 4: Self-sticking flexible vinyl with oil resistant adhesive for -20 degrees to 300 degrees F. temperatures by Brady or as approved.
- B. Provide switchboards with Type 1 signs 2-1/2" x 12" indicating switchboards designation and electrical characteristics as noted on drawings. Provide switchboards sections operating at different voltages with Type 1 sign 2" x 8" indicating electrical characteristics of section. Provide each switchboard device with Type 1 sign 1-1/4" x 5" indicating load served.
- C. Provide distribution panelboards with Type 1 signs 2" x 8" indicating panel designation and electrical characteristics. Provide branch devices with Type 1 sign 1" x 4" indicating load served.
- D. Provide lighting and power panelboards with Type 1 sign 1-1/4" x 6" indicating panel designation, electrical characteristics, and source of power. Source of power indication shall indicate source panel designation and switch or breaker number. Mount inside of panel door on circuit breaker trim flange just below breakers.
- E. Provide disconnect switches, time switches, lighting contactors, motor starters and controllers with Type 1 sign 1-1/4" x 6" indicating equipment served, electrical characteristics, and source of power.
- F. Provide electrical equipment and accessible wiring enclosures operating at voltage above 240 volts with Type 3 Brady No. AE-461 25 warning sign and Brady Style B, 1-1/8" x 4-1/2" voltage marker applied to front door or cover of device or enclosure. Provide large equipment such as transformers and main distribution equipment with Type 3 sign Brady No. AE-46639.
- G. Provide feeders and branch circuit home runs with Type 4 wire marker indicating circuit number and power source. Provide feeders phase identification letter at each terminal point in addition to its circuit number.
- H. Provide Type 2 tape at feeder terminal lugs to switchboards and panelboards. Tape shall indicate conduit size, conductor type and AWG size. Tape shall be located to be easily read with conductors installed.

PART 3 - EXECUTION (NOT APPLICABLE)

END OF SECTION 260750

SECTION 261200 - CONDUCTORS AND CABLES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 1 Specification Sections, section 260100 - General Electrical Requirements, and section 260500 - Basic Electrical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS

2.1 CONDUCTORS

- A. Unless noted otherwise conductors referred to are wires and cable. Provide code grade soft annealed copper conductors with specified insulation type in proper colors to conform with color coding specified. Provide conductors No. 8 gauge and larger stranded and conductors No. 10 gauge and smaller may be solid or stranded.
- B. Use no conductors smaller than No. 12 gauge unless specifically called for or approved by D/E. Size wire for 120 volt branch Circuits for 3% maximum voltage drop. Size feeder circuits for 2% maximum voltage drop. Combined voltage drop of feeders and branch circuits shall not exceed 5% maximum.
- C. Provide conductors for listed applications as follows:
 - 1. Lighting and Receptacle Circuits: Type THHN, 600 volt, 90 degree C (194 degrees F) thermoplastic insulated building conductor.
 - 2. Power Circuits and Feeders: Type THHN, 600 volt, 90 degree C (194 degrees F) thermoplastic insulated building conductor.
 - 3. Low Voltage and Line Voltage Conductors Sizes No. 16 and No. 18 AWG: Type TFFN, 600 volt 90 degrees C (194 degrees F) thermoplastic insulated building conductor.
 - 4. Underground Power Circuits and Feeders: Type THHN / TWHN, 600 volt, 75 degree C (167 degrees F) wet rating and 90 degree C (194 degrees F) dry rated thermosetting filled insulating cable.
- D. Provide conductors by Anaconda, General Cable, General Electric, Phelps Dodge, or equivalent.

2.2 CONDUCTOR COLOR CODING

- A. Provide continuous color coding for feeder, branch and control circuits. Insulation or identification tape color shall be same color for like circuits throughout. Where specified insulation colors are not available in larger wire sizes color code conductor at all accessible locations with Scotch 35 all-weather color code tape.
- B. Identify the same phase conductor with same color throughout.
- C. Provide conductors with color coding indicated. Where more than one standard voltage system is installed provide same colored conductors with indicated tape or stripe to indicate system voltage.

SYSTEM VOLTAGE	CIRCUIT	INSULATION COLOR	STRIPE COLOR
277/480	Neutral	White	Orange
277/480	Phase A	Brown	--
277/480	Phase B	Orange	--
277/480	Phase C	Yellow	--
120/208	Neutral	White	--
120/208	Phase A	Black	--
120/208	Phase B	Blue	--
120/208	Phase C	Red	--
277/480	Switch	Same as Ph. Color	White
120/208	Switch	Same as Ph. Color	White
277/480	3-Way Sw Runner	Purple	Orange
120/208	3-Way Sw Runner	Purple	--
120/208	Control	Pink	--
277/480	Equip. Ground	Green	Yellow
120/208	Equip. Ground	Green	--

PART 3 - EXECUTION**3.1 CONDUCTOR INSTALLATION**

- A. Run conductors in conduit continuous between outlets and junction boxes with no splices or taps pulled into conduits.
- B. Neatly route, tie and support conductors terminating at switchboards, motor control centers, panelboards, sound equipment, etc. with Thomas & Betts Ty-Rap cable ties and clamps or equivalent by Electrovert or Panduit.
- C. Make circuit conductor splices with Buchanan B-Cap nylon insulated connectors or equivalent by Ideal or 3M.
- D. Make fixture and device taps with Scotchlock self- stripping electrical tap connectors.
- E. Terminate solid conductors at equipment terminal strips and other similar terminal point with insulated solderless terminal connectors. Terminate all stranded conductor terminal points with insulated solderless terminal connectors. Provide Thomas & Betts Sta-Kon insulated terminals and connectors or equivalent by API/AMP Blackburn, Buchanan or Scotchlock.
- F. Where a total of six or more control and feeder conductors terminates in a multiple device panel or enclosure that has no built-in terminal blocks provide mounting channel and see-thru covers. Equivalent terminal blocks by General Electric, Square "D" or Westinghouse.
- G. Wrap conductor taps and connections requiring additional insulation with a minimum of three overlapped layers of 3 M Scotch vinyl plastic electrical tape No. 88 or equivalent,

END OF SECTION 261200

SECTION 261300 - RACEWAYS AND BOXES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 1 Specification Sections, section 260100 - General Electrical Requirements, and section 260500 - Basic Electrical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS

2.1 STEEL CONDUIT

- A. Rigid Conduit: Provide steel conduit meeting current ANSI Standard Specification C80.1 with hot-dipped galvanized and clear lacquer finish.
- B. Electrical Metallic Tubing (EMT): Provide thinwall conduit meeting current ANSI Standard Specification C80.3 with electro-galvanized and clear lacquer finish.
- C. Rigid Conduit and EMT Fittings: Provide Appleton Form 35 non-thread malleable iron unilets. Equivalent by CrouseHinds or Pyle National.
- D. Rigid Conduit Connectors and Couplings: Provide Appleton steel NO-THREAD TYPE, rain and concrete tight. Equivalent by Thomas and Betts or Steel City.
- E. EMT Connectors and Couplings: Provide Appleton steel COMPRESSION THINWALL TYPE, rain and concrete tight. Equivalent by Thomas and Betts or Steel City.
- F. Liquid-Tight Flexible Conduit Fittings: Appleton "STB" series insulated connectors. Equivalent by Pyle-National or Thomas and Betts.
- G. Provide insulated throat fittings when type THHN/THWN conductors are installed.
- H. All wiring shall be in steel conduit unless otherwise noted.
- I. Short runs of flexible galvanized steel conduit may be used where permitted by code. Lengths greater than 6 feet require review by Engineer.
- J. Make conduit connections to motors and equipment mounted on resilient mounts or vibration isolators with Type U.A. liquid-tight flexible conduit manufactured by Anaconda, or "Liquatite" by Electric-Flex Company.
- K. Where conduits cross building expansion joints provide O-Z expansion fitting type "AX", "TE", "EX" or "EXE" as required.
- L. Provide low voltage control systems and sound systems in conduit unless noted otherwise.
- M. Set screw type conduit fittings will not be allowed.

2.2 PLASTIC CONDUIT

- A. Normal duty applications in concrete slabs or underground without concrete encasement. Provide rigid polyvinyl chloride (PVC) type EPC 40 heavy wall plastic conduit meeting current NEMA Standard TC-2. Conduit shall be listed UL 651 for underground and exposed use.

- B. Normal duty exterior underground application direct burial: Provide semi-rigid polyvinyl chloride (PVC) type DB plastic duct meeting current NEMA Standard TC-6 and Western Underground Committee Specifications.
- C. Normal exterior underground application encased burial: Provide semi-rigid polyvinyl chloride (PVC) type A plastic conduit meeting current NEMA and Western Underground Committee Specifications.
- D. Provide matching plastic conduit fittings by E/M. Fittings shall meet the same Standards and specifications as the conduit on which it is installed.
- E. Joining and bending of conduit and installation of fittings shall be done only by methods recommended by E/M.
- F. Provide conduit support spacing as recommended by E/M for the highest ambient temperature expected,
- G. Provide interlocking conduit spacers by E/M or multiple runs of underground conduits installed in same trench.
- H. Ends of feeder conduit terminating at transformers, switchgear, manholes, etc. shall be terminated with bell ends to protect conductor insulation.
- I. Install no plastic conduit in areas where ambient temperature may exceed 150 degrees under normal conditions nor on heat producing equipment such as boilers, incinerators, etc. Install no plastic conduit in a return air or supply air plenum for the HVAC systems.
- J. Provide expansion couplings on conduits located in areas where ambient temperatures are constantly changing and on long runs regardless of ambient temperatures. Determine amount of conduit expansion and contraction from E/M's published charts or tables.
- K. Plastic conduit and fittings shall be by Carlon Products Division of Continental Oil Company.
- L. Plastic conduit shall not be used above grade for any purpose. All transitions from PVC to steel shall be made below grade.

2.3 BUSHINGS AND LOCKNUTS

- A. Enter outlet boxes squarely and securely clamp conduit to outlet box with bushing on inside and locknut on outside. Provide Thomas and Betts #3800 Efcor 56 series or equivalent threaded malleable iron insulated throat grounding bushings.
- B. Terminate metallic conduits at switchboards, panelboards, control cabinet, etc. with O-Z Electrical Manufacturing Company Type "BL" or "IGB" grounding type insulation bushings. Ground bushings to equipment grounding buss.

2.4 OUTLET BOXES

- A. Provide electrical service outlets, including plug receptacles, lamp receptacles, lighting fixtures and switches with Steel City, Raco, or equivalent 4 inch code gauge steel knockout boxes galvanized or sheradized of required depth for service or device.
- B. Provide code gauge galvanized steel raised covers on outlet boxes installed in plaster finish. Set to plaster grounds with outside edge of cover flush with plaster finish.

- C. Provide 3/8" or larger fixture stud in each outlet box scheduled to receive lighting fixture. Select covers with proper opening for device installed in outlet box.
- D. Use of utility or "Handy" boxes acceptable only where single gang flush outlet box in masonry is "dead-end" with only one conduit entering box from end or back.
- E. Use no sectional outlet boxes.
- F. Provide Appleton FS or FD unilets for surface mounted exterior work. Provide complete with proper device cover and gasket. Provide blank cover and gasket when used as junction box.

2.5 PULL BOXES, WIREWAYS AND GUTTERS

- A. Provide Alwalt, Keystone, Universal or equivalent code gauge pull boxes, wireways, and gutters indicated or required for installation, sized to conform with NEC rules. Provide complete with necessary fittings, interconnecting nipples, insulating bushings, conductor supports, covers, gaskets, partitions, etc. as required,
- B. Special items may be fabricated locally, to same general design and specifications as those listed in specified manufacturers catalogs. Provide free of burrs, sharp edges, unreamed holes, sharp pointed screws or bolts, and finished with one coat of suitable enamel inside and out, prior to mounting.
- C. Provide sectional covers for easy removal.

2.6 FLOOR BOXES

- A. On-grade applications: Unless noted otherwise, provide Hubbell System One type SIPFB with sub plates as required for devices and connections required. Provide universal cover finish as selected by architect or owner's representative. Provide furniture feeds if necessary for connection to furniture provided by others. Provide multiple floor boxes if necessary for quantity of devices, conduits or connection types shown on power plan.
- B. Where poke-through floor outlets are shown (above grade applications): unless noted otherwise, provide Hubbell System One SIPT series in exact model to accommodate installation, sub plates as required and cover plate materials as selected by architect.
- C. Prior to ordering, verify compatibility of floor box dimensions and configurations with overall construction.

PART 3 - EXECUTION

3.1 CONDUIT INSTALLATION

- A. Conduit materials, by application, shall be as follows:
 - 1. Exterior above grade feeders service entrances and feeders: Rigid steel. Transition below grade from schedule 40 PVC.
 - 2. Interior branch circuits and feeders: EMT. Exception: Concealed branch circuits (#8 AWG and smaller) may be Type MC cable.
 - 3. Underground feeder conduits, service entrance conduits and branch circuit conduits: Schedule 40 PVC. Burial depth shall meet cover requirements of NEC. [Refer to N.E.C. Table 300.5]. PVC conduits shall have 24" burial depth under parking lots, driveways and areas with vehicular traffic.
 - 4. Feeder and service entrance conduit elbows/bends shall be galvanized steel.
 - 5. All above grade or above slab conduits shall be metallic.

- B. In general conceal conduit within walls, floors, roof construction or furred spaces. Expose only feeders and short connections to equipment in equipment rooms unless noted otherwise. Install exposed conduit parallel or at right angles to building lines.
- C. Install conduit to requirements of structure, other work on project and clear of openings, depressions, pipes, ducts, reinforcing steel, etc. Install conduit in concrete forms so that strength of structure will not be affected.
- D. Align conduit terminations at panelboard, switchboards, motor control equipment, junction boxes, etc. and install true and plumb. Provide supports or templates to hold conduit alignment during rough-in stage of work.
- E. Install conduit continuous between outlet boxes, cabinets and equipment. Make bends smooth and even without flattening or flaking conduits. Radius of bends shall not be shorter than radius listed in table 346-I 0(b) of NEC. Long radius elbows may be used where necessary.
- F. Ream and clean conduit before installation, and plug or cover openings and boxes to keep conduit clean during construction.
- G. Install no conduits or other raceways sized smaller than permitted in applicable NEC tables. Where conduit sizes shown on drawings are smaller than permitted by code, E/C shall include cost for proper size conduit in his base bid. In no case reduce conduit sizes indicated on drawings or specified without written approval of A/E. Fasten conduit securely in place with approved straps, hangers and steel supports. Provide O-Z cable support to support conductors in vertical raceways as required by NEC Table 300-I 9(a) of NEC. Where special hangers are required, submit hanger details to A/E for review before installation.

3.2 LOCATION OF OUTLET BOXES

- A. Locate outlet boxes generally from column centers and finished wall lines. Install ceiling outlet boxes at suspended ceiling elevations.
- B. Accurately locate lighting fixtures and appliance outlet boxes mounted in concrete or in plaster finish on concrete. Install outlet boxes in forms to dimensions taken from bench marks, columns, walls, or floors. Rough-in lighting fixtures and appliance outlet boxes to general locations before installation of walls and furring and reset to exact dimensions as walls and furring are constructed. Set outlet boxes true to horizontal and vertical finish lines of building. If outlet is shown to be installed in or on a column, outlet shall be centered on column.
- C. Install outlet boxes accessible. Provide outlet boxes above piping or ductwork with extension stems or offsets as required to clear piping and ductwork.
- D. Install centerline of switch outlet boxes 48" above floor unless otherwise called for or required by Wainscot, counter, etc. All electrical light switches shall be located as close to door frame as possible. Under no circumstances should switch be located more than 12' from edge of door frame. Install centerline of receptacle outlet boxes 18" above floor unless otherwise called for on drawings. Adjust mounting heights to nearest masonry joint for minimum cutting in case of flush outlets. All thermostats shall be centered above light switches wherever possible. If switch outlet is shown to be installed in or on a column, switch outlet shall be centered on column.
- E. Install clock and other outlet boxes at elevations indicated on drawings or as directed by A/E. Center bracket lights over mirrors with 2" clearance above mirror.

END OF SECTION 261300

SECTION 261400 - WIRING DEVICES**PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division 1 Specification Sections, section 260100 - General Electrical Requirements, and section 260500 - Basic Electrical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS**2.1 RECEPTACLES**

- A. Provide Hubbell specification grade NEMA Standard WD-I-1974 grounding receptacles with color as selected by A/E:

TYPE	NEMA	CAT.#	AMP	VOLTAGE
Duplex	5-20R	Hubbell 5352A	20	125
Ground Fault	5-20R	Hubbell GF20	20	125

- B. Provide weatherproof receptacles as follows:

WP - Install device in Hubbell RW57300 "While-In-Use" cover.

- C. Provide grounding receptacles as follows:

TYPE	NEMA	CAT#	AMP	VOLTAGE
Combination	10-30	Hubbell RR430F	30	125/250
Combination	10-50	Hubbell RR450F	50	125/250

- D. Equivalent receptacles by Cooper Wiring, Leviton, Pass & Seymour.

- E. Contractor shall coordinate with architect and owner's representative, and provide switches in colors as selected by by architect or interior designer.

2.2 WALL SWITCHES

- A. Provide Hubbell NEMA Standard WD-I -1974 switches with compound handles. Install groups of switches under one coverplate.

- B. Contractor shall coordinate with architect and owner's representative, and provide switches in colors as selected by by architect or interior designer.

- C. Switches controlling loads of 1800 watts or less shall be as follows unless specified otherwise:

TYPE	CATALOG #	AMP	VOLTAGE
Single Pole	Hubbell 1221	20	120/277
Three Way	Hubbell 1223	20	120/277
Four Way	Hubbell 1224	20	120/277
Pilot Light	Hubbell HBL1221PL	20	120/277
Double Pole	Hubbell 1222	20	120/277
Single Pole, Key Op.	Hubbell HBL1221L	20	120/277
Three Way, Key Op.	Hubbell HBL1223L	20	120/277
Four Way, Key Op.	Hubbell HBL1224L	20	120/277

- D. Equivalent switches by Cooper Wiring, Pass & Seymour, Bryant or Leviton.

2.6 FLUSH WALL PLATES

- A. Where stainless steel device wall plates are required, provide Hubbell type 302 stainless steel wallplates conforming to U.L., NEMA and Federal Specification WP-455A. Verify with architect and/or interior designer prior to ordering and installation.
- B. Provide wall plates for all switches, receptacles, blank/empty boxes and special purpose outlets. Telephone, data and communications faceplates shall be provided under a separate contract.
- C. Plates shall be modern design, having rounded edges and corners complete with finish-matching mounting screws.
- D. Provide flush wall plates on wiremold switch and receptacle boxes.
- E. Provide factory engraved wallplates where indicated. Where engraved text is not outlined, submit two copies of proposed text to A/E for review and approval prior to engraving.
- F. Wallplates shall not support wiring devices. Provide wiring device accessories as required to properly install devices and wallplates.
- G. Provide jumbo wallplates for all wiring devices installed in masonry walls.
- H. Provide wallplates of one design throughout the building.
- I. Provide designs and finishes equivalent to above specifications where wallplates for special devices are available only from manufacturer of device.
- J. Contractor shall coordinate with architect and owner's representative, and provide wall plates in colors as selected by by architect or interior designer. Verify with A/E finish of any plate where it may be apparent a special finish or color should have been specified.
- K. Provide narrow wallplates as indicated.
- L. Ganged wiring devices shall have a single wallplate.
- M. Provide wallplates manufactured by same company as wiring devices.

PART 3 - EXECUTION (NOT APPLICABLE)

END OF SECTION 261400

SECTION 261450 - LIGHTING CONTROL DEVICES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division I Specification Sections, section 260100 - General Electrical Requirements, and section 260500 - Basic Electrical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS

2.1 LIGHTING CONTACTORS

- A. Provide 600 volt, 60 cycle mechanically or electrically held lighting contactors with proper NEMA enclosure required by contactor location and environment.
- B. Contactors shall have silver alloy, double break power contacts replaceable without removing power wiring or contactor from enclosure.
- C. Coils shall be molded case construction permanently marked with coil voltage and frequency and be replaceable without removing contactor from enclosure.
- D. Provide contactor with internal wiring and control circuits prewired with only line, load, and external control circuits wiring connections required, Provide contactor with build-in clearing interlocks to allow control from either momentary or maintained pilot devices.
- E. Contactor shall be suitable for addition of at least two electrical interlocks of any arrangement of normally open or closed contacts.
- F. Provide contactor with accessories such as auxiliary contacts, pilot lights, on-off, or H.O.A. switches required to obtain control sequence shown on plans or specified. Accessories shall be available as kits for field installation or modification.
- G. Where three or more contactors are installed at one location contactors may be installed in group control panel in lieu of separate devices.
- H. Contactors by Allen Bradley, Cutler-Hammer, Furnas, ITE, Challenger, Square D or General Electric.
- I. See Schedule.

2.2 PHOTOCELLS AND TIME SWITCHES

- A. Provide photocells and time switches as indicated on drawings and in schedules.
- B. Equivalent by Intermatic, Paragon, Rainbird or Tork.
- C. See schedule.

2.3 OCCUPANCY SENSORS

- A. Provide occupancy sensors and power packs as indicated on drawings and in schedules.
- B. Equivalent by Greengate, Hubbell, Leviton or Wattstopper.
- C. See schedule.

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 261450

SECTION 264100 - SAFETY SWITCHES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division I Specification Sections, section 260100 - General Electrical Requirements, and section 260500 - Basic Electrical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS

2.1 FUSED DISCONNECT SWITCHES

- A. Provide heavy duty and general duty horsepower rated safety switches rated in accordance with NEMA enclosed Switch Standard KS-I -1975 and UL 98 Standard and as scheduled.
- B. Enclosure shall be NEMA type required by switch location and environment. Enclosure door shall have latch with means for padlocking and cover interlock with defeater to prevent opening door when switch is energized or closing switch with door open. Switch shall have an embossed nameplate permanently attached to door front with switch rating, short circuit interrupting capacity and application information.
- C. Line terminals shall be permanently marked and shielded. Contacts shall be tin plated, equipped with arc chutes and have moving contacts visible in off position with door open. Wiring terminals shall be pressure type suitable for copper or aluminum wire. Switching mechanism shall be quick-make, quick-break spring driven anti-tease mechanism and be integral part of box. All current carrying parts shall be plated.
- D. Fuse holders for 1 to 600 amperes shall be high pressure type for use with Class R current limiting fuses. Fuse holders shall be completely accessible from front of switch.
- E. Provide switches by Cutler-Hammer, General Electric, ITE Gould, Square D, Challenger or Westinghouse.
- F. See Disconnect Switch Schedule on the drawings.

PART 3 - EXECUTION (NOT APPLICABLE)

END OF SECTION 264100

SECTION 264410 - SWITCHBOARDS

PART I - GENERAL

I.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division I Specification Sections, section 260100 - General Electrical Requirements, and section 260500 - Basic Electrical Materials and Methods shall apply to this Section.

I.2 SECTION INCLUDES

- A. Main Switchboard - Furnish and install the Service Entrance switchboard(s) as herein specified and shown on the associated electrical drawings.
- B. Distribution Switchboard - Furnish and install the Distribution Switchboard(s) as herein specified and shown on the associated electrical drawings.

I.3 REFERENCES

- A. The switchboard(s) and overcurrent protection devices referenced herein are designed and manufactured according to the following appropriate specifications.
 - 1. ANSI/NFPA 70 - National Electrical Code (NEC).
 - 2. ANSI/IEEE C12.16 - Solid State Electricity Metering.
 - 3. ANSI C57.13 - Instrument Transformers.
 - 4. NEMA AB 1 - Molded Case Circuit Breakers and Molded Case Switches.
 - 5. NEMA PB 2 - Deadfront Distribution Switchboards, File E8681
 - 6. NEMA PB 2.1 - Proper Handling, Installation, Operation and Maintenance of Deadfront Switchboards Rated 600 Volts or Less.
 - 7. NEMA PB 2.2 - Application Guide for Ground Fault Protective Devices for Equipment.
 - 8. UL 50 - Cabinets and Boxes.
 - 9. UL 489 - Molded Case Circuit Breakers.
 - 10. UL 891 - Dead-Front Switchboards.
 - 11. UL 943 - Ground Fault Circuit Interrupters.
 - 12. Federal Specification W-C-375B/Gen - Circuit Breakers, Molded Case, Branch Circuit And Service.

I.4 SUBMITTALS

- A. Shop Drawings shall indicate front and side enclosure elevations with overall dimensions shown; conduit entrance locations and requirements; nameplate legends; one-line diagrams; equipment schedule; and switchboard instrument details.

I.5 QUALIFICATIONS

- A. To be considered for approval, a manufacturer shall have specialized in the manufacturing and assembly of switchboards for at least fifty (50) years.
- B. Furnish products listed by Underwriters Laboratories Incorporated and in accordance with standards listed in Article I.03 - References.
- C. The manufacturing facility shall be registered by Underwriters Laboratories Inc. to the International Organization for Standardization ISO 9002 Series Standards for quality.

I.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, protect, and handle products in conformance with manufacturer's recommended practices as outlined in applicable Installation and Maintenance Manuals.
- B. Each switchboard section shall be delivered in individual shipping splits for ease of handling. They shall be individually wrapped for protection and mounted on shipping skids.
- C. Inspect and report concealed damage to carrier within their required time period.
- D. Store in a clean, dry space. Maintain factory protection and/or provide an additional heavy canvas or heavy plastic cover to protect structure from dirt, water, construction debris, and traffic. Where applicable, provide adequate heating within enclosures to prevent condensation.
- E. Handle in accordance with NEMA PB 2.1 and manufacturer's written instructions. Lift only by lifting means provided for this express purpose. Handle carefully to avoid damage to switchboard internal components, enclosure, and finish.

1.7 ENVIRONMENTAL REQUIREMENTS

- A. Conform to NEMA PB 2 service conditions during and after installation of switchboards.

1.8 MAINTENANCE MATERIALS

- A. Provide one (1) set of installation and maintenance instructions with each switchboard. Instructions are to be easily identified and affixed within the incoming or main section of the line-up.

1.9 WARRANTY

- A. Manufacturer shall warrant equipment to be free from defects in materials and workmanship for the lesser of one (1) year from date of installation or eighteen (18) months from date of purchase.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Shall be Square D Company.
- B. Equivalent by Eaton, General Electric and Seimens.

2.2 SWITCHBOARD - GENERAL

- A. Future Provisions: All unused spaces provided, unless otherwise specified, shall be fully equipped for future devices, including all appropriate connectors and mounting hardware.
- B. Enclosure:
 - 1. Sections shall be aligned front and rear.
 - 2. Removable steel base channels (1.5 inch floor sills) shall be bolted to the frame to rigidly support the entire shipping section for moving on rollers and floor mounting.
 - 3. The switchboard enclosure shall be painted on all exterior surfaces. The paint finish shall be a medium gray, ANSI #49, applied by the electro-deposition process over an iron phosphate pre-treatment.
 - 4. All front covers shall be screw removable with a single tool and all doors shall be hinged with removable hinge pins.
 - 5. Top and bottom conduit areas shall be clearly indicated on shop drawings.
- C. Nameplates: Provide 1 inch high x 3 inches engraved laminated (Gravoply) nameplates for each device. Furnish black letters on a white background for all voltages.
- D. Bus Composition: Shall be tin-plated aluminum. Plating shall be applied continuously to all bus work. The switchboard bussing shall be of sufficient cross-sectional area to meet UL Standard 891 temperature rise requirements. The phase and neutral through-bus shall have an ampacity as shown in

the plans. For 4-wire systems, the neutral shall be of equivalent ampacity as the phase bus bar. Tapered bus is not acceptable. Full provisions for the addition of future sections shall be provided. Bussing shall include all necessary hardware to accommodate splicing for future additions.

- E. Ground Bus: Sized per NFPA70 and UL 891 Tables 25.1 and 25.2 and shall extend the entire length of the switchboard. Provisions for the addition of future sections shall be provided.

2.3 SWITCHBOARD - INCOMING MAIN SECTION DEVICES

- A. Six (6) Service Disconnects
 - 1. Incoming conductors shall terminate at lug landing pads.
 - 2. All lugs shall be UL Listed to accept solid and/or stranded copper and aluminum conductors. Lugs shall be suitable for 75° C rated wire, sized according to the 75° C temperature rating in the NEC.
 - 3. Provide mechanical type lugs to accommodate the conductor shown on the associated drawings.
- B. Group mounted circuit breakers through 1200A
 - 1. Circuit breaker(s) shall be group mounted plug-on with mechanical restraint on a common pan or rail assembly.
 - 2. The interior shall have three flat bus bars stacked and aligned vertically with glass reinforced polyester insulators laminated between phases. The molded polyester insulators shall support and provide phase isolation to the entire length of bus.
 - 3. Circuit breaker(s) equipped with line terminal jaws shall not require additional external mounting hardware. Circuit breaker(s) shall be held in mounted position by a self-contained bracket secured to the mounting pan by fasteners. Circuit breaker(s) of different frame sizes shall be capable of being mounted across from each other.
 - 4. Line-side circuit breaker connections are to be jaw type.
 - 5. All unused spaces provided, unless otherwise specified, shall be fully equipped for future devices, including all appropriate connectors and mounting hardware.
 - 6. Electronic trip molded case standard function 80% rated circuit breakers through 1200A
 - a. All electronic circuit breakers shall have the following time/current response adjustments: Long Time Pickup, Long Time Delay, Short Time Pickup, Short Time Delay, and Instantaneous settings. Each adjustment shall have discrete settings (fully adjustable) and shall be independent of all other adjustments.
 - b. Circuit breaker trip system shall be a microprocessor-based true rms sensing designed with sensing accuracy through the thirteenth (13th) harmonic. Sensor ampere ratings shall be as indicated on the associated [schedule] [drawing].
 - c. Long Time Pickup indication to signal when loading approaches or exceeds the adjustable ampere rating of the circuit breaker shall be provided.
 - d. Furnish thermal magnetic molded case circuit breakers for 250A frames and below.
 - 7. Thermal magnetic molded case circuit breakers through 250A
 - a. Molded case circuit breakers shall have integral thermal and instantaneous magnetic trip in each pole.
 - b. Circuit protective devices shall be Square D molded case circuit breaker(s). Ampere ratings shall be as shown on the drawings.
 - c. Manufacturer shall submit one set of published Ip and I²t let-through curves (as required by UL) to the owner.
- C. Individually Mounted circuit breakers through 4000A
 - 1. Electronic trip molded/insulated case full function 100% rated circuit breaker(s) through 4000A
 - a. All electronic circuit breakers shall have the following time/current response adjustments: Long Time Pickup, Long Time Delay, Short Time Pickup, Short Time Delay, and Instantaneous settings. Each adjustment shall have discrete settings (fully adjustable) and shall be independent of all other adjustments.

- b. Circuit breaker trip system shall be a microprocessor-based true rms sensing designed with sensing accuracy through the thirteenth (13th) harmonic.
- c. Local visual trip indication for overload, short circuit and ground fault trip occurrences.
- d. Long Time Pickup indication to signal when loading approaches or exceeds the adjustable ampere rating of the circuit breaker shall be provided.
- e. Manufacturer shall submit one set of published I_p and I^2t let-through curves (as required by UL) to the owner.

2.4 ACCESSORIES

- A. For switchboards installed outdoor only, provide thermostatically-controlled electric heaters in each section. [Provide terminals for separate source connection of heater power circuit. Voltage Rating: 120 V. Provide control power transformer with the total VA rating of the electric heaters in the switchboard.
- B. Provide integral PowerLogic ION6200 meter.

PART 3 - EXECUTION

3.1 INSPECTION

- A. Examine area to receive switchboard to provide adequate clearance for switchboard installation.
- B. Check that concrete pads are level and free of irregularities.
- C. Start work only after unsatisfactory conditions are corrected.

3.2 INSTALLATION

- A. Install switchboard in accordance with manufacturer's written guidelines, the NEC, and local codes.

3.3 FIELD QUALITY CONTROL

- A. Inspect completed installation for physical damage, proper alignment, anchorage, and grounding.
- B. Measure, using a Megger, the insulation resistance of each bus section phase-to-phase and phase-to-ground for one minute each, at minimum test voltage of 1000 VDC; minimum acceptable value for insulation resistance is 1 megohms. NOTE: Refer to manufacturer's literature for specific testing procedures.
- C. Check tightness of accessible bolted bus joints using calibrated torque wrench per manufacturer's recommended torque values.
- D. Physically test key interlock systems to check for proper functionality.
- E. Test ground fault systems by operating push-to-test button.

3.4 ADJUSTING

- A. Adjust all operating mechanisms for free mechanical movement per manufacturers specifications.
- B. Tighten bolted bus connections in accordance with manufacturer's instructions.
- C. Adjust circuit breaker trip and time delay settings to values indicated.
- D. Provide selective coordination study of complete electrical distribution system and submit to engineer for review and approval.

3.5 CLEANING

- A. Touch up scratched or marred surfaces to match original finish.

END OF SECTION 264410

SECTION 264420 - PANELBOARDS

PART I - GENERAL

I.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division I Specification Sections, section 260100 - General Electrical Requirements, and section 260500 - Basic Electrical Materials and Methods shall apply to this Section.

I.2 SECTION INCLUDES

- A. Lighting and Appliance Panelboard - Furnish and install lighting and appliance panelboard(s) as specified herein and where shown on the associated schedules on the construction drawings.

I.3 REFERENCES

- A. The panelboard(s) and circuit breaker(s) referenced herein are designed and manufactured according to the latest revision of the following specifications.
 - 1. NEMA PB I - Panelboards
 - 2. NEMA PB I.1 - Instructions for Safe Installation, Operation and Maintenance of Panelboards Rated 600 Volts or Less.
 - 3. NEMA AB I - Molded Case Circuit Breakers
 - 4. UL 50 - Enclosures for Electrical Equipment
 - 5. UL 67 - Panelboards
 - 6. UL 489 - Molded-Case Circuit Breakers and Circuit Breaker Enclosures
 - 7. CSA Standard C22.2 No. 29-M1989 - Panelboards and Enclosed Panelboards
 - 8. CSA Standard C22.2 No. 5-M91 - Molded Case Circuit Breakers
 - 9. Federal Specification W-P-115C - Type I Class I
 - 10. Federal Specification W-C-375B/Gen - Circuit Breakers, Molded Case, Branch Circuit And Service.
 - 11. NFPA 70 - National Electrical Code (NEC)
 - 12. ASTM - American Society of Testing Materials

I.4 SUBMITTAL AND RECORD DOCUMENTATION

- A. Approval documents shall include drawings. Drawings shall contain overall panelboard dimensions, interior mounting dimensions, and wiring gutter dimensions. The location of the main, branches, and solid neutral shall be clearly shown. In addition, the drawing shall illustrate one line diagrams with applicable voltage systems.

I.5 QUALIFICATIONS

- A. Company specializing in manufacturing of panelboard products with a minimum of fifty (50) years documented experience.

I.6 DELIVERY, STORAGE, AND HANDLING

- A. Inspect and report concealed damage to carrier within their required time period.
- B. Handle carefully to avoid damage to panelboard internal components, enclosure, and finish.

- C. Store in a clean, dry environment. Maintain factory packaging and, if required, provide an additional heavy canvas or heavy plastic cover to protect enclosure(s) from dirt, water, construction debris, and traffic.

I.7 OPERATIONS AND MAINTENANCE MATERIALS

- A. Manufacturer shall provide installation instructions and NEMA Standards Publication PB 1.1 - Instructions for Safe Installation, Operation and Maintenance of Panelboards Rated 600 Volts or Less.

I.8 WARRANTY

- A. Manufacturer shall warrant specified equipment free from defects in materials and workmanship for the lesser of one (1) year from the date of installation or eighteen (18) months from the date of purchase.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Shall be Square D Company
- B. Equivalent by Eaton, General Electric and Seimens.

2.2 POWER DISTRIBUTION PANELBOARDS

A. I-LINE Circuit Breaker Distribution Panelboard

- 1. Interior
 - a. Shall be Square D I-LINE type rated 600 Vac or 250 Vdc maximum. Continuous main current ratings as indicated on associated schedules on the construction drawings, not to exceed 1200 amperes maximum. Panelboard bus current ratings shall be determined by heat-rise tests conducted in accordance with UL 67.
 - b. Provide UL Listed short circuit current ratings (SCCR) as indicated on the associated schedules on the construction drawings not to exceed the lowest interrupting capacity rating of any circuit breaker installed with a maximum of 200,000 RMS symmetrical amperes. Main lug and main breaker panelboards shall be suitable for use as Service Equipment when application requirements comply with UL 67 and NEC Articles 230.VI and VII.
 - c. The panelboard interior shall have three flat bus bars stacked and aligned vertically with glass reinforced polyester insulators laminated between phases. The molded polyester insulators shall support and provide phase isolation to the entire length of bus.
 - d. The bussing shall be fully rated with sequentially phased branch distribution. Panelboard bussing rated 100 through 600 amperes shall be plated copper. Bussing rated 800 amperes and above shall be plated copper. Bus bar plating shall run the entire length of the bus bar. The entire interleaved assembly shall be contained between two (2) U-shaped steel channels, permanently secured to a galvanized steel-mounting pan by fasteners.
 - e. Interior trim shall be of dead-front construction to shield user from all energized parts. Main circuit breakers through 800 amperes shall be vertically mounted. Main circuit breaker and main lug interiors shall be field convertible for top or bottom incoming feed.
 - f. A solidly bonded copper equipment ground bar shall be provided.
 - g. Solid neutral shall be equipped with a full capacity bonding strap for service entrance applications. Gutter-mounted neutral will not be acceptable.
 - h. Nameplates shall contain system information and catalog number or factory order number. Interior wiring diagram, neutral wiring diagram, UL Listed label, and Short Circuit Current Rating shall be displayed on the interior or in a booklet format. Leveling provisions shall be provided for flush mounted applications.
- 2. Group mounted circuit breakers through 1200A

- a. Circuit breaker(s) shall be group mounted plug-on with mechanical restraint on a common pan or rail assembly.
 - b. The interior shall have three flat bus bars stacked and aligned vertically with glass reinforced polyester insulators laminated between phases. The molded polyester insulators shall support and provide phase isolation to the entire length of bus.
 - c. Circuit breakers equipped with line terminal jaws shall not require additional external mounting hardware. Circuit breakers shall be held in mounted position by a self-contained bracket secured to the mounting pan by fasteners. Circuit breakers of different frame sizes shall be capable of being mounted across from each other.
 - d. Line-side circuit breaker connections are to be jaw type.
 - e. All unused spaces provided, unless otherwise specified, shall be fully equipped for future devices, including all appropriate connectors and mounting hardware.
3. Thermal magnetic molded case circuit breakers
- a. Molded case circuit breakers shall have integral thermal and instantaneous magnetic trip in each pole.
 - b. Circuit protective devices shall be Square D molded case circuit breakers. Circuit breakers shall be standard interrupting. Ampere ratings shall be as shown on the drawings. Manufacturer shall submit one set of published I_p and I^2t let-through curves (as required by UL) to the owner.
4. Enclosures
- a. Type I Boxes
 - 1) Boxes shall be galvanized steel constructed in accordance with UL 50 requirements. Zinc-coated galvanized steel will not be acceptable.
 - 2) Boxes shall have removable blank end walls and interior mounting studs. Interior support bracket shall be provided for ease of interior installation.
 - 3) Maximum enclosure dimensions shall be 44" wide and 9.5" deep.
 - b. Type I Trim Fronts
 - 1) Trim front steel shall meet strength and rigidity requirements per UL 50 standards. Shall have an ANSI 49 medium gray enamel electrodeposited over cleaned phosphatized steel.
 - 2) Trim front shall be hinged I-piece with door available in surface mount. Trim front door shall have rounded corners and edges free of burrs. A clear plastic directory cardholder shall be mounted on the inside of the door.
 - 3) Locks shall be cylindrical tumbler type with larger enclosures requiring sliding vault locks with 3-point latching. All lock assemblies shall be keyed alike. One (1) key shall be provided with each lock.

2.3 LIGHTING AND APPLIANCE PANELBOARD TYPE

A. NQ

I. Interior

- a. Shall be type NQ panelboard rated for 240 Vac/48 Vdc maximum. Continuous main current ratings, as indicated on associated schedules on the construction drawings. not to exceed 600 amperes maximum.
- b. Minimum short circuit current rating: as indicated in schedules on the construction drawings.
- c. Short circuit current rating: [5,000] at 48 Vdc.
- d. Provide one (1) continuous bus bar per phase. Each bus bar shall have sequentially phased branch circuit connectors suitable for plug-on or bolt-on branch circuit breakers. The bussing shall be fully rated. Panelboard bus current ratings shall be determined by heat-rise tests conducted in accordance with UL 67. Bussing rated 100-400 amperes shall be plated copper. Bussing rated for 600 amperes shall be plated copper as standard construction. Bus bar plating shall run the entire length of the bus bar. Panelboards shall

- be suitable for use as Service Equipment when application requirements comply with UL 67 and NEC Articles 230-F and -G.
- e. All current-carrying parts shall be insulated from ground and phase-to-phase by high dielectric strength thermoplastic.
 - f. A solidly bonded copper equipment ground bar shall be provided.
 - g. Split solid neutral shall be plated and located in the mains compartment up to 225 amperes so all incoming neutral cable may be of the same length.
 - h. Interior trim shall be of dead-front construction to shield user from energized parts. Dead-front trim shall have pre-formed twistouts covering unused mounting space.
 - i. Nameplates shall contain system information and catalog number or factory order number. Interior wiring diagram, neutral wiring diagram, UL Listed label and short circuit current rating shall be displayed on the interior or in a booklet format.
 - j. Interiors shall be field convertible for top or bottom incoming feed. Main circuit breakers in 100A interiors shall be vertically mounted. Main circuit breakers over 100A shall be vertically mounted. Sub-feed circuit breakers shall be vertically mounted. Main lug interiors up to 400 amperes shall be field convertible to main breaker. Interior leveling provisions shall be provided for flush mounted applications.
2. Main Circuit Breaker
- a. Shall be Square D type circuit breakers.
 - b. Main circuit breakers shall have an overcenter, trip-free, toggle mechanism which will provide quick-make, quick-break contact action. Circuit breakers shall have a permanent trip unit with thermal and magnetic trip elements in each pole. Each thermal element shall be true rms sensing and be factory calibrated to operate in a 40° C ambient environment. Thermal elements shall be ambient compensating above 40° C.
 - c. Two- and three-pole circuit breakers shall have common tripping of all poles. Circuit breakers frame sizes above 100 amperes shall have a single magnetic trip adjustment located on the front of the circuit breaker that allows the user to simultaneously select the desired trip level of all poles. Circuit breakers shall have a push-to-trip button for maintenance and testing purposes.
 - d. Breaker handle and faceplate shall indicate rated ampacity. Standard construction circuit breakers shall be UL Listed for reverse connection without restrictive line or load markings.
 - e. Circuit breaker escutcheon shall have international I/O markings, in addition to standard ON/OFF markings. Circuit breaker handle accessories shall provide provisions for locking handle in the ON or OFF position.
 - f. Lugs shall be UL Listed to accept solid or stranded copper conductors only. Lugs shall be suitable for 75° C rated wire sized according to the 75° C temperature rating per NEC Table 310-16. Lug body shall be bolted in place; snap-in designs are not acceptable.
 - g. The circuit breakers shall be UL Listed for use with the following accessories: Shunt Trip, Under Voltage Trip, Ground Fault Shunt Trip, Auxiliary Switch, Alarm Switch, Mechanical Lug Kits, and Compression Lug Kits.
3. Branch Circuit Breakers
- a. Shall be Square D type circuit breakers. Circuit breakers shall be UL Listed with amperage ratings, interrupting ratings, and number of poles as indicated on the associated schedules on the construction drawings.
 - b. Molded case branch circuit breakers shall have bolt-on type bus connectors.
 - c. Circuit breakers shall have an overcenter toggle mechanism which will provide quick-make, quick-break contact action. Circuit breakers shall have thermal and magnetic trip elements in each pole. Two- and three-pole circuit breakers shall have common tripping of all poles.
 - d. There shall be two forms of visible trip indication. The breaker handle shall reside in a position between ON and OFF. In addition, there shall be a red VISI-TRIP® indicator appearing in the clear window of the circuit breaker housing.
 - e. The exposed faceplates of all branch circuit breakers shall be flush with one another.

- f. Lugs shall be UL Listed to accept solid or stranded copper conductors only. Lugs shall be suitable for 75° C rated wire, sized according to the 75° C temperature rating per NEC Table 310-16. Branch circuit breakers rated 30 amperes and below shall be UL Listed to accept 60° C rated wire.
 - g. Breakers shall be UL Listed for use with the following factory installed accessories: Shunt Trip, Auxiliary Switch, and Alarm Switch.
4. Enclosures
- a. Type I Boxes
 - 1) Boxes shall be galvanized steel constructed in accordance with UL 50 requirements. Galvannealed steel will not be acceptable.
 - 2) Boxes shall have removable endwalls with knockouts located on one end. Boxes shall have welded interior mounting studs. Interior mounting brackets are not required.
 - 3) Box width shall be 26" wide maximum wide.
 - b. Type I Fronts
 - 1) Front shall meet strength and rigidity requirements per UL 50 standards. Front shall have ANSI 49 gray enamel electrodeposited over cleaned phosphatized steel.
 - 2) Fronts shall be hinged 1-piece with door. Mounting shall be as indicated on drawings and associated schedules.
 - 3) Panelboards shall have MONO-FLAT fronts with concealed door hinges and mounted with trim screws. Front shall not be removable with the door locked. Doors on front shall have rounded corners and edges shall be free of burrs.
 - 4) Front shall have cylindrical tumbler type lock with catch and spring-loaded stainless steel door pull. All lock assemblies shall be keyed alike. One (1) key shall be provided with each lock. A clear plastic directory cardholder shall be mounted on the inside of door.
 - c. Type 3R, 5, and 12
 - 1) Enclosures shall be constructed in accordance with UL 50 requirements. Enclosures shall be painted with ANSI 49 gray enamel electrodeposited over cleaned phosphatized steel.
 - 2) All doors shall be gasketed and equipped with a tumbler type vault lock and two (2) additional quarter turn fasteners on enclosures 59 inches or more in height. All lock assemblies shall be keyed alike. One (1) key shall be provided with each lock. A clear plastic directory cardholder shall be mounted on the inside of door.
 - 3) Maximum enclosure dimensions shall not exceed 21" wide and 6.5" deep.
- B. NF
- I. Interior
- a. Shall be type NF panelboard for 480Y/277 Vac maximum. Continuous main current ratings, as indicated on associated schedules and drawings, not to exceed 600 amperes maximum for main breaker panelboards and not to exceed 800 amperes for main lug panelboards.
 - b. Minimum Short Circuit Rating as listed on schedule at 480Y/277 Vac.
 - c. Provide one (1) continuous bus bar per phase. Each bus bar shall have sequentially phased branch circuit connectors limited to bolt-on branch circuit breakers. The bussing shall be fully rated. Panelboard bus current ratings shall be determined by heat-rise tests conducted in accordance with UL 67. Bussing rated 100-400 amperes shall be plated [copper] [aluminum]. Bussing rated for 600 and 800 amperes shall be plated copper as standard construction. Bus bar plating shall run the entire length of the bus bar. Panelboards shall be suitable for use as Service Equipment when application requirements comply with UL 67 and NEC Articles 230-F and -G.
 - d. All current-carrying parts shall be insulated from ground and phase-to-phase by high dielectric strength thermoplastic.
 - e. A solidly bonded copper equipment ground bar shall be provided.
 - f. Split solid neutral shall be plated and located in the mains compartment up to 250 amperes so all incoming neutral cable may be of the same length.

- g. Interior trim shall be of dead-front construction to shield user from energized parts. Dead-front trim shall have pre-formed twistouts covering unused mounting space.
 - h. Nameplates shall contain system information and catalog number or factory order number. Interior wiring diagram, neutral wiring diagram, UL Listed label and short circuit current rating shall be displayed on the interior or in a booklet format.
 - i. Interiors shall be field convertible for top or bottom incoming feed. Main circuit breakers in 125A interiors shall be vertically mounted. Main circuit breakers over 125A shall be vertically mounted. Sub-feed circuit breakers shall be vertically mounted. Main lug interiors up to 400 amperes shall be field convertible to main breaker. Interior leveling provisions shall be provided for flush mounted applications.
 - j. Interior phase bus shall be pre-drilled to accommodate field installable options. (i.e., Sub-Feed Lugs, Sub-Feed Breakers, Thru-Feed Lugs)
 - k. Interiors shall accept 125 ampere breakers in group mounted branch construction.
2. Main Circuit Breaker
- a. Shall be Square D type circuit breakers.
 - b. Main circuit breakers shall have an overcenter, trip-free, toggle mechanism which will provide quick-make, quick-break contact action. Circuit breakers shall have a permanent trip unit with thermal and magnetic trip elements in each pole. Each thermal element shall be true rms sensing and be factory calibrated to operate in a 40° C ambient environment. Thermal elements shall be ambient compensating above 40° C.
 - c. Two- and three-pole circuit breakers shall have common tripping of all poles. Circuit breakers frame sizes above 100 amperes shall have a single magnetic trip adjustment located on the front of the breaker that allows the user to simultaneously select the desired trip level of all poles. Circuit breakers shall have a push-to-trip button for maintenance and testing purposes.
 - d. Circuit breaker handle and faceplate shall indicate rated ampacity. Standard construction circuit breakers shall be UL Listed for reverse connection without restrictive line or load markings.
 - e. Circuit breaker escutcheon shall have international I/O markings, in addition to standard ON/OFF markings. Circuit breaker handle accessories shall provide provisions for locking handle in the ON or OFF position.
 - f. Lugs shall be UL Listed to accept solid or stranded copper conductors only. Lugs shall be suitable for 75° C rated wire. Lug body shall be bolted in place; snap-in designs are not acceptable.
 - g. The circuit breakers shall be UL Listed for use with the following accessories: Shunt Trip, Under Voltage Trip, Ground Fault Shunt Trip, Auxiliary Switch, Alarm Switch, Mechanical Lug Kits, and Compression Lug Kits.
3. Branch Circuit Breakers
- a. Shall be Square D type circuit breakers. Circuit breakers shall be UL Listed with ampere ratings, interrupting ratings, and number of poles as indicated on the panelboard schedules.
 - b. Molded case branch circuit breakers shall have bolt-on type bus connectors.
 - c. Circuit breakers shall have an overcenter toggle mechanism which will provide quick-make, quick-break contact action. Circuit breakers shall have thermal and magnetic trip elements in each pole. Two- and three-pole circuit breakers shall have common tripping of all poles.
 - d. There shall be two forms of visible trip indication. The circuit breaker handle shall reside in a position between ON and OFF. In addition, there shall be a red VISI-TRIP® indicator appearing in the clear window of the circuit breaker housing.
 - e. The exposed faceplates of all branch circuit breakers shall be flush with one another.
 - f. Lugs shall be UL Listed to accept solid or stranded copper conductors only. Lugs shall be suitable for 75° C rated wire.
 - g. Breakers shall be UL Listed for use with the following factory installed accessories: Shunt Trip, Auxiliary Switch, and Alarm Switch.

- h. Breaker shall be UL Listed with the following ratings: (15-125A) Heating, Air Conditioning, and Refrigeration (HACR), (15-30A) High Intensity Discharge (HID), and (15-20A) Switch Duty (SWD)
- 4. Enclosures
 - a. Type I Boxes
 - 1) Boxes shall be galvanized steel constructed in accordance with UL 50 requirements. Galvannealed steel will not be acceptable.
 - 2) Boxes shall have removable endwalls with knockouts located on one end. Boxes shall have welded interior mounting studs. Interior mounting brackets are not required.
 - 3) Box width shall not exceed 26" wide.
 - b. Type I Fronts
 - 1) Front shall meet strength and rigidity requirements per UL 50 standards. Shall have ANSI 49 gray enamel electrodeposited over cleaned phosphatized steel.
 - 2) Fronts shall be 1-piece with door. Mounting shall be as indicated on associated schedules/drawings.
 - 3) Panelboards rated 250 amperes and below shall have MONO-FLAT fronts with concealed door hinges and trim screws. Front shall not be removable with the door locked. Panelboards rated above 250 amperes shall have vented fronts with concealed door hinges. Doors on front shall have rounded corners; edges shall be free of burrs.
 - 4) Front shall have flat latch type lock with catch and spring loaded stainless steel door pull. All lock assemblies shall be keyed alike. One (1) key shall be provided with each lock. A clear plastic directory card holder shall be mounted on the inside of door.
 - c. Type 3R, 5, and 12
 - 1) Enclosures shall be constructed in accordance with UL 50 requirements. Enclosures shall be painted with ANSI 49 gray enamel electrodeposited over cleaned phosphatized steel.
 - 2) All doors shall be gasketed and equipped with a tumbler type vault lock and two (2) additional quarter turn fasteners on enclosures 59 inches or more in height. All lock assemblies shall be keyed alike. One (1) key shall be provided with each lock. A clear plastic directory card holder shall be mounted on the inside of door.
 - 3) Maximum enclosure dimensions shall not exceed 21" wide and 9.5" deep.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install panelboards in accordance with manufacturer's written instructions, NEMA PB 1.1 and NEC standards.

3.2 FIELD QUALITY CONTROL

- A. Inspect complete installation for physical damage, proper alignment, anchorage, and grounding.
- B. Measure steady state load currents at each panelboard feeder; rearrange circuits in the panelboard to balance the phase loads within 20% of each other. Maintain proper phasing for multi-wire branch circuits.
- C. Check tightness of bolted connections and circuit breaker connections using calibrated torque wrench or torque screwdriver per manufacturer's written specifications.

END OF SECTION 264420

SECTION 265110 - LIGHTING FIXTURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, Division I Specification Sections, section 260100 - General Electrical Requirements, and section 260500 - Basic Electrical Materials and Methods shall apply to this Section.

PART 2 - PRODUCTS

2.1 LIGHTING FIXTURES

- A. Provide fixtures complete with lamps and accessories required for hanging.
- B. All light fixture installations in fire rated ceilings shall comply with U.L. listing for rated assembly.
- C. See **LIGHTING FIXTURE SCHEDULE** on the drawings.

2.2 LAMPS

- A. Provide inside frosted (IF) incandescent lamps unless otherwise called for in fixture schedule.
- B. Provide General Electric F32T8/SPX35 fluorescent lamps, 2650 approximate initial lumens, 32 watts maximum unless otherwise called for in fixture schedule. Equal by Sylvania or Westinghouse.
- C. Fixture lamps shall be lamp type recommended by E/M. Lamp no fixtures above E/M's recommended maximum wattages.

2.3 BALLASTS

- A. Fluorescent fixture ballast shall be Class "P" high power factor type (over 90%). Ballast shall comply with Standard C82.a specification for fluorescent ballast and be certified and labeled by "CMB/ETL". Ballast shall have sound rating indicated on ballast case and rated as follows:

BALLAST TYPE	SOUND RATING
Pre-Heat – Rapid Start	A
Trigger Start	A
Instant Start	B
High Output	C

- B. Dimming ballast where required shall be compatible with dimming devices specified. Ballasts shall be General Electric, Bonus-Line or equivalent by Advance, Jefferson or Universal.
- C. Provide metal halide fixtures with peak-lead auto- transformer type ballast.

PART 3 - EXECUTION

- 3.1 E/C shall insure that lamps, reflectors, tens, and trim are clean at time of final inspection.
- 3.2 Provide recessed fixtures with trim flush to ceilings, free of gaps or cracks.

April 21, 2023

Staybridge Suites
Springfield, Missouri

- 3.3 Coordinate mounting of ceiling mounted lighting fixtures with G/C. Where additional ceiling or fixture supports are required due to fixture location or weight they shall be provided by E/C, unless otherwise specified under ceiling specifications.
- 3.4 Consult Architectural plans for ceiling types and provide recessed fixtures and mounting components accordingly.
- 3.5 Fixture supports shall comply with 2011 N.E.C. Sections 410-30 and 410-36. Provide fixture securing clips as required.

END OF SECTION 265110

SECTION 260943 - NETWORK LIGHTING CONTROLS

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Digital-network lighting control system and associated components:
 - 1. Power panels.
 - 2. LED drivers.
 - 3. Power interfaces.
 - 4. Main units (**Lutron Grafik Eye QS**).
 - 5. Lighting control modules (**Lutron Energi Savr Node**).
 - 6. Digital dimming ballast and switching modules (**Lutron EcoSystem**).
 - 7. Lighting management hubs.
 - 8. Lighting management system computers.
 - 9. Lighting management system software.
 - 10. Control stations.
 - 11. Low-voltage control interfaces.
 - 12. Wired sensors.
 - 13. Wireless sensors.
 - 14. Accessories.

1.02 RELATED REQUIREMENTS

- A. Section **26 0100 – General Electrical Requirements**.
- B. Section **26 2726 - Wiring Devices - Lutron**:
 - 1. Finish requirements for wall controls specified in this section.
 - 2. Accessory receptacles and wallplates, to match lighting controls specified in this section.
- C. Section **26 55110 – Lighting Fixtures**.

1.03 REFERENCE STANDARDS

- A. 47 CFR 15 - Radio Frequency Devices; **current edition**.
- B. ANSI C82.11 - American National Standard for Lamp Ballasts - High Frequency Fluorescent Lamp Ballasts - Supplements; **2011**.
- C. ANSI/ESD S20.20 - Protection of Electrical and Electronic Parts, Assemblies and Equipment (Excluding Electrically Initiated Explosive Devices); **2014**.
- D. ASTM D4674 - Standard Practice for Accelerated Testing for Color Stability of Plastics Exposed to Indoor Office Environments; **2002a (Reapproved 2010)**.
- E. CAL TITLE 24 P6 – California Code of Regulations, Title 24, Part 6 (California Energy Code); **2013**.
- F. CSA C22.2 No. 223 – Power Supplies with Extra-low-voltage Class 2 Outputs; **2015**.
- G. IEC 60669-2-1 - Switches for Household and Similar Fixed Electrical Installations - Part 2-1: Particular Requirements - Electronic Switches; **2015**.
- H. IEC 60929 - AC and/or DC-Supplied Electronic Control Gear for Tubular Fluorescent Lamps - Performance Requirements; **2015**.
- I. IEC 61000-4-2 - Electromagnetic Compatibility (EMC) - Part 4-2: Testing and Measurement Techniques - Electrostatic Discharge Immunity Test; **2008**.
- J. IEC 61000-4-5 - Electromagnetic Compatibility (EMC) - Part 4-5: Testing and Measurement Techniques - Surge Immunity Test; **2014, with Amendments, 2017**.
- K. IEC 61347-2-3 - Lamp Control Gear - Part 2-3: Particular Requirements for A.C. and/or D.C. Supplied Electronic Control Gear for Fluorescent Lamps; **2011, with Amendments, 2016**.
- L. IEEE 1789 - Recommended Practice for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers; **2015**.

- M. IEEE C62.41.2 - Recommended Practice on Characterization of Surges in Low-Voltage (1000 V and less) AC Power Circuits; **2002 (Cor 1, 2012)**.
- N. ISO 9001 - Quality Management Systems-Requirements; **2008**.
- O. NECA 1 - Standard for Good Workmanship in Electrical Construction; **2015**.
- P. NECA 130 - Standard for Installing and Maintaining Wiring Devices; National Electrical Contractors Association; **2010**.
- Q. NEMA 410 - Performance Testing for Lighting Controls and Switching Devices with Electronic Drivers and Discharge Ballasts; National Electrical Manufacturers Association; **2015**.
- R. NEMA WD 1 - General Color Requirements for Wiring Devices; National Electrical Manufacturers Association; **1999 (R 2015)**.
- S. NFPA 70 - National Electrical Code; National Fire Protection Association; **Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements**.
- T. UL 94 - Tests for Flammability of Plastic Materials for Parts in Devices and Appliances; **Current Edition, Including All Revisions**.
- U. UL 489 - Molded-Case Circuit Breakers, Molded-Case Switches and Circuit Breaker Enclosures; **Current Edition, Including All Revisions**.
- V. UL 508 - Industrial Control Equipment; Underwriters Laboratories Inc.; **Current Edition, Including All Revisions**.
- W. UL 508A - Industrial Control Panels; Underwriters Laboratories Inc.; **Current Edition, Including All Revisions**.
- X. UL 924 - Emergency Lighting and Power Equipment; **Current Edition, Including All Revisions**.
- Y. UL 935 - Fluorescent-Lamp Ballasts; **Current Edition, Including All Revisions**.
- Z. UL 1310 - Class 2 Power Units; **Current Edition, Including All Revisions**.
- AA. UL 1472 - Solid-State Dimming Controls; **Current Edition, Including All Revisions**.
- BB. UL 1598C - Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits; **Current Edition, Including All Revisions**.
- CC. UL 2043 - Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces; **Current Edition, Including All Revisions**.
- DD. UL 8750 - Light Emitting Diode (LED) Equipment for Use in Lighting Products; **Current Edition, Including All Revisions**.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Coordinate the placement of sensors and wall controls with millwork, furniture, equipment, etc. installed under other sections or by others.
 - 2. Coordinate the placement of wall controls with actual installed door swings.
 - 3. Coordinate the placement of daylight sensors with windows, skylights, and luminaires to achieve optimum operation. Coordinate placement with ductwork, piping, equipment, or other potential obstructions to light level measurement installed under other sections or by others.
 - 4. Where motorized window treatments are to be controlled by the lighting control system provided under this section, coordinate the work with other trades to provide compatible products.
 - 5. Coordinate the work to provide luminaires and lamps compatible with the lighting controls to be installed.
 - 6. Notify Architect of any conflicts or deviations from the contract documents to obtain direction prior to proceeding with work.
- B. Preinstallation Meeting: Conduct on-site meeting with lighting control system manufacturer prior to commencing work as part of manufacturer's standard startup services. Manufacturer to review with installer:
 - 1. Low voltage wiring requirements.
 - 2. Separation of power and low voltage/data wiring.
 - 3. Wire labeling.

4. Lighting management hub locations and installation.
5. Where Lighting Control Manufacturer Sensor Layout and Tuning service is specified in Part 2 under "DIGITAL-NETWORK LIGHTING CONTROL SYSTEM - GENERAL REQUIREMENTS", sensor locations to be reviewed in accordance with layout provided by Lighting Control Manufacturer. Lighting Control Manufacturer may direct Contractor regarding sensor relocation should conditions require a deviation from locations indicated.
6. Control locations.
7. Computer jack locations.
8. Load circuit wiring.
9. Network wiring requirements.
10. Connections to other equipment.
11. Installer responsibilities.
12. Power panel locations.
- C. Sequencing:
 1. Do not install sensors and wall controls until final surface finishes are complete.

1.05 SUBMITTALS

- A. See Section **01 3000 - Administrative Requirements** for submittal procedures.
- B. Design Documents: Where Lighting Control Manufacturer Sensor Layout and Tuning service is specified in Part 2 under "DIGITAL-NETWORK LIGHTING CONTROL SYSTEM - GENERAL REQUIREMENTS", Lighting Control Manufacturer to provide plans indicating occupancy/vacancy and/or daylight sensor locations.
- C. Product Data: Include ratings, configurations, standard wiring diagrams, dimensions, colors, service condition requirements, and installed features.
 1. Occupancy/Vacancy Sensors: Include detailed basic motion detection coverage range diagrams.
- D. Shop Drawings:
 1. Provide schematic system riser diagram indicating component interconnections. Include requirements for interface with other systems.
 2. Provide detailed sequence of operations describing system functions.
- E. Samples:
 1. Wall Controls:
 - a. Show available color and finish selections.
 2. Provide one sample for each product upon request.
 3. Sensors: Provide one sample for each product upon request.
- F. Manufacturer's Installation Instructions: Include application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, and installation of product.
- G. System Performance-Verification Documentation; Lutron LSC-SPV-DOC: Include as part of the base bid additional costs for manufacturer's enhanced documentation detailing start-up performance-verification procedures and functional tests performed along with test results.
- H. Project Record Documents: Record actual installed locations and settings for lighting control system components.
- I. Operation and Maintenance Data: Include detailed information on lighting control system operation, equipment programming and setup, replacement parts, and recommended maintenance procedures and intervals.
- J. Warranty: Submit sample of manufacturer's Warranty or Enhanced Warranty as specified in Part I under "WARRANTY". Submit documentation of final execution completed in Owner's name and registered with manufacturer.
- K. Software: One copy of software provided under this section.

1.06 QUALITY ASSURANCE

- A. Conform to requirements of NFPA 70.

- B. Maintain at the project site a copy of each referenced document that prescribes execution requirements.
- C. Manufacturer Qualifications:
 - 1. Company with not less than ten years of experience manufacturing lighting control systems of similar complexity to specified system.
 - 2. Registered to ISO 9001, including in-house engineering for product design activities.
 - 3. Qualified to supply specified products and to honor claims against product presented in accordance with warranty.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Store products in a clean, dry space in original manufacturer's packaging in accordance with manufacturer's written instructions until ready for installation.

1.08 FIELD CONDITIONS

- A. Maintain field conditions within manufacturer's required service conditions during and after installation.
 - 1. System Requirements - **Lutron**, Unless Otherwise Indicated:
 - a. Ambient Temperature:
 - 1) Lighting Control System Components, Except Those Listed Below: Between 32 and 104 degrees F (0 and 40 degrees C).
 - 2) Lighting Management System Computer: Between 50 and 90 degrees F (10 and 35 degrees C).
 - b. Relative Humidity: Less than 90 percent, non-condensing.

1.09 WARRANTY

- A. See Section **01 7800 - Closeout Submittals**, for additional warranty requirements.
- B. Manufacturer's Standard Warranty, With Manufacturer Start-Up; **Lutron Standard 2-Year Warranty; Lutron LSC-B2**:
 - 1. Manufacturer Lighting Control System Components, Except Lighting Management System Computer, Ballasts/Drivers and Ballast Modules:
 - a. First Two Years:
 - 1) 100 percent replacement parts coverage, 100 percent manufacturer labor coverage to troubleshoot and diagnose a lighting issue.
 - 2) First-available on-site or remote response time.
 - 3) Remote diagnostics for applicable systems.
 - b. Telephone Technical Support: Available 24 hours per day, 7 days per week, excluding manufacturer holidays.
 - 2. Lighting Management System Computer: One year 100 percent parts coverage, one year 100 percent manufacturer labor coverage.
 - 3. Ballasts/Drivers and Ballast Modules: Five years 100 percent parts coverage, no manufacturer labor coverage.
- C. Include as part of the base bid additional costs for manufacturer's Enhanced Warranty with manufacturer Start-up; **Silver Enhanced Warranty; Lutron LSC-E8S**; coverage to include items listed under manufacturer's standard warranty with manufacturer start-up above, **plus** the following upgrades:
 - 1. Manufacturer Lighting Control System Components, Except Lighting Management System Computer, Ballasts/Drivers and Ballast Modules:
 - a. First Two Years:
 - 1) **As-available Field Service response; no committed response time.**
 - b. Additional Coverage for Years 3-5: 50 percent replacement parts coverage, no manufacturer labor coverage.

- c. Additional Coverage for Years 6-8: 25 percent replacement parts coverage, no manufacturer labor coverage.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Basis of Design Manufacturer: **Lutron Electronics Company, Inc; www.lutron.com.**
- B. Other Acceptable Manufacturers:
 - 1. With prior approval only.
 - 2. Products by listed manufacturers are subject to compliance with specified requirements<< and prior approval of Engineer.
- C. Substitutions:
 - 1. All proposed substitutions (clearly delineated as such) must be submitted in writing for approval by Architect a minimum of 10 working days prior to the bid date and must be made available to all bidders. Proposed substitutes must be accompanied by a review of the specification noting compliance on a line-by-line basis.
 - 2. By using pre-approved substitutions, Contractor accepts responsibility and associated costs for all required modifications to related equipment and wiring. Provide complete engineered shop drawings (including power wiring) with deviations from the original design highlighted in an alternate color for review and approval by Architect prior to rough-in.
- D. Source Limitations: Furnish products produced by a single manufacturer and obtained from a single supplier.

2.02 DIGITAL-NETWORK LIGHTING CONTROL SYSTEM - GENERAL REQUIREMENTS

- A. Sensor Layout and Tuning: Include as part of the base bid additional costs for Lighting Control Manufacturer's Sensor Layout and Tuning service; **Lutron LSC-SENS-LT:**
 - 1. Lighting Control Manufacturer to take full responsibility for wired or wireless sensor layout and performance for sensors provided by Lighting Control Manufacturer.
 - 2. Lighting Control Manufacturer to analyze the reflected ceiling plans, via supplied electronic AutoCAD format, and design a detailed sensor layout that provides adequate occupancy sensor coverage and ensures occupancy and daylight sensor performance per agreed upon sequence of operations. Contractor to utilize the layouts for sensor placement.
 - 3. During startup, Lighting Control Manufacturer to direct Contractor regarding sensor relocation, as required, should conditions require a deviation from locations specified in the drawings.
 - 4. Lighting Control Manufacturer to provide up to two additional post-startup on-site service visits within one calendar year from Date of Substantial Completion to fine-tune sensor calibration per the agreed upon sequence of operations.
- B. Shade Control Requirements:
 - 1. Capable of operating shades and recalling shade presets via keypad, contact closure input, infrared receiver, lighting management system software, or other lighting control system interface.
 - 2. Capable of operating any individual, group, or subgroup of shade electronic drive units within system without requiring separate group controllers.
 - 3. Capable of assigning and reassigning individual, groups, and subgroups of shades to any control within system without requiring additional wiring or hardware changes.
 - 4. Capable of controlling shade speed for tracking within plus or minus 0.125 inch (3.17 mm) throughout entire travel.
 - 5. Provide 10 year power failure memory for preset stops, open and close limits, shade grouping and sub grouping and system configuration.
 - 6. Capable of synchronizing multiple shade electronic drive units of the same size to start, stop and move in unison.

7. Capable of stopping shades within accuracy of 0.125 inch (3.17 mm) at any point between open and close limits.
8. Capable of storing up to 250 programmable stop points, including open, close, and any other position.
9. Capable of controlling lights and shades from single wall control button.
10. Capable of adjusting shade limits from user interface.
- C. Design lighting control equipment for 10 year operational life while operating continually at any temperature in an ambient temperature range of 32 degrees F (0 degrees C) to 104 degrees F (40 degrees C) and 90 percent non-condensing relative humidity.
- D. Electrostatic Discharge Tolerance: Design and test equipment to withstand electrostatic discharges without impairment when tested according to IEC 61000-4-2.
- E. Dimming and Switching (Relay) Equipment:
 1. Designed so that electrolytic capacitors operate at least 36 degrees F (20 degrees C) below the capacitor's maximum temperature rating when the device is under fully loaded conditions at maximum rated temperature.
 2. Inrush Tolerance:
 - a. Utilize load-handling thyristors (SCRs and triacs), field effect transistors (FETs) and isolated gate bipolar transistors (IGBTs) with maximum current rating at least two times the rated operating current of the dimmer/relay.
 - b. Capable of withstanding repetitive inrush current of 50 times the operating current without impacting lifetime of the dimmer/relay.
 3. Surge Tolerance:
 - a. Panels: Designed and tested to withstand surges of 6,000 V, 3,000 amps according to IEEE C62.41.2 and IEC 61000-4-5 without impairment to performance.
 - b. Other Power Handling Devices: Designed and tested to withstand surges of 6,000 V, 200 amps according to IEEE C62.41.2 without impairment to performance.
 4. Power Failure Recovery: When power is interrupted and subsequently restored, within 3 seconds lights to automatically return to same levels (dimmed setting, full on, or full off) as prior to power interruption.
 5. Dimming Requirements:
 - a. Line Noise Tolerance: Provide real-time cycle-by-cycle compensation for incoming line voltage variations including changes in RMS voltage (plus or minus 2 percent change in RMS voltage per cycle), frequency shifts (plus or minus 2 Hz change in frequency per second), dynamic harmonics, and line noise.
 - 1) Systems not providing integral cycle-by-cycle compensation to include external power conditioning equipment as part of dimming system.
 - b. Incorporate electronic "soft-start" default at initial turn-on that smoothly ramps lights up to the appropriate levels within 0.5 seconds.
 - c. Utilize air gap off to disconnect the load from line supply.
 - d. Control all light sources in smooth and continuous manner. Dimmers with visible steps are not acceptable.
 - e. Load Types:
 - 1) Assign a load type to each dimmer that will provide a proper dimming curve for the specific light source to be controlled.
 - 2) Provide capability of being field-configured to have load types assigned per circuit.
 - f. Minimum and Maximum Light Levels: User adjustable on a circuit-by-circuit basis.
 - g. Line Voltage Dimmers:
 - 1) Dimmers for Magnetic Low Voltage (MLV) Transformers:
 - (a) Provide circuitry designed to control and provide a symmetrical AC waveform to input of magnetic low voltage transformers per UL 1472.
 - (b) Dimmers using unipolar load current devices (such as FETs or SCRs) to include DC current protection in the event of a single device failure.
 - 2) Dimmers for Electronic Low Voltage (ELV) Transformers: Operate transformers via reverse phase control. Alternately, forward phase control

- dimming may be used if dimming equipment manufacturer has recommended specific ELV transformers being provided.
 - 3) Dimmers for Neon and Cold Cathode Transformers:
 - (a) Magnetic Transformers: Listed for use with normal (low) power factor magnetic transformers.
 - (b) Electronic Transformers: Must be supported by the ballast equipment manufacturer for control of specific ballasts being provided.
 - h. Low Voltage Dimming Modules:
 - 1) Coordination Between Low Voltage Dimming Module and Line Voltage Relay: Capable of being electronically linked to a single zone.
 - 2) Single low voltage dimming module; capable of controlling the following light sources:
 - (a) 0-10V analog voltage signal.
 - (1) Provide Class 2 isolated 0-10V output signal conforming to IEC 60929.
 - (2) Sink current according to IEC 60929.
 - (3) Source current.
 - (b) 10-0V reverse analog voltage signal.
 - (c) DSI digital communication.
 - (d) DALI broadcast communication per IEC 60929:
 - (1) Logarithmic intensity values complying with IEC 60929.
 - (2) Linear intensity values for use with LED color intensity control.
 - (e) PWM per IEC 60929.
- 6. Switching Requirements:
 - a. Rated Life of Relays: Typical of 1,000,000 cycles at fully rated 16 A for all lighting loads.
 - b. Switch load in a manner that prevents arcing at mechanical contacts when power is applied to and removed from load circuits.
 - c. Provide output fully rated for continuous duty for inductive, capacitive, and resistive loads.
- F. Device Finishes:
 - 1. Wall Controls: Finishes to be selected by Architect and/or Interior Designer.
 - 2. Standard Colors: Comply with NEMA WDI where applicable.
 - 3. Color Variation in Same Product Family: Maximum delta E of 1, CIE L*a*b color units.
 - 4. Visible Parts: Exhibit ultraviolet color stability when tested with multiple actinic light sources as defined in ASTM D4674. Provide proof of testing upon request.
- G. Interface with building automation system is not required.

2.03 POWER PANELS

- A. Provide power panels with configurations as indicated on the drawings.
- B. General Requirements:
 - 1. Listed to UL 508 as industrial control equipment.
 - 2. Comply with UL 508A and IEC 60669-2-1 as applicable.
 - 3. Delivered and installed as a listed factory-assembled panel.
 - 4. Field wiring accessible from front of panel without removing dimmer assemblies or other components.
 - 5. Passively cooled via free-convection, unaided by fans or other means.
 - 6. Shipped with each dimmer in mechanical bypass position by means of jumper bar inserted between input and load terminals. Jumpers to carry full rated load current and be reusable at any time. Mechanical bypass device to allow for switching operation of connected load with dimmer removed by means of circuit breaker.
 - 7. Provided with branch circuit protection for each input circuit unless the panel is a dedicated feed-through type panel or otherwise indicated on the drawings.
 - 8. Branch Circuit Breakers:
 - a. Listed to UL 489 as molded case circuit breaker for use on lighting circuits.

- b. Provided with visual trip indicator.
- c. Provide circuit breakers with interrupting capacity as required to provide the short circuit current rating indicated, but not less than:
 - 1) <<10,000 rms symmetrical amperes at 120 VAC.
 - 2) <<14,000 rms symmetrical amperes at 277 VAC for dimming.
 - 3) <<18,000 rms symmetrical amperes at 277 VAC for switching.
- d. Thermal-magnetic construction for overload, short-circuit, and over-temperature protection. Use of breakers without thermal protection requires dimmers/relays to have integral thermal protection to prevent failures when overloaded or ambient temperature is above rating of panel.
- e. Equipped with provision for tag-out/lock-out devices to secure circuit breakers in off position when servicing loads.
- f. Replaceable without moving or replacing dimmer/relay assemblies or other panel components.
- g. Listed as switch duty (SWD) so that loads can be switched on and off by breakers.
- 9. Provide panels with listed short circuit current rating <<not less than the available fault current at the installed location as indicated on the drawings; as indicated on the drawings.
 - a. Minimum Short Circuit Current Rating (SCCR): 25,000 A.
- 10. Panel Processor; **Lutron Circuit Selector**:
 - a. Provide the following capabilities:
 - 1) Operate circuit directly from panel processor for system diagnostics and provide feedback of system operation.
 - 2) Electronically assign each circuit to any zone in lighting control system.
 - 3) Determine normal/emergency function of panel and set emergency lighting levels.
 - b. Where indicated on the drawings, panels to provide two control links. Each circuit to be capable of transferring control based on independent programming between architectural control system and theatrical controls utilizing the USITT DMX-512 1990 or ESTA DMX-512A protocol.
 - c. React to changes from control within 20 milliseconds.
- 11. Diagnostics and Service:
 - a. Replacing dimmer/relay does not require re-programming of system or processor.
 - b. Include diagnostic LEDs for dimmers/relays to verify proper operation and assist in system troubleshooting.
 - c. Include tiered control scheme for dealing with component failure that minimizes loss of control for occupant.
 - 1) If lighting control system fails, lights to remain at current level. Panel processor provides local control of lights until system is repaired.
 - 2) If panel processor fails, lights to remain at current level. Circuit breakers can be used to turn lights off or to full light output, allowing non-dim control of lights until panel processor is repaired.
 - 3) If dimmer fails, factory-installed mechanical bypass jumpers to allow each dimmer to be mechanically bypassed. Mechanical bypass device to allow for switching operation of connected load with dimmer removed by means of circuit breaker.
- C. Product(s):
 - 1. Specification Grade Dimming Panels:
 - a. Product: **Lutron GP Series Dimming Panels**.
 - b. Mounting: Surface.
 - c. Dimmers designed and tested specifically to control incandescent/tungsten, magnetic low voltage, electronic low voltage, neon/cold cathode, fluorescent dimming ballasts, and non-dim loads.
 - d. Unless otherwise indicated or required, utilize universal 16 A continuous-use listed dimmers.

- e. For loads requiring 0-10V, PWM, or DSI control, utilize compatible multiple load type low voltage dimming modules.
- f. Limit current rise time to minimum 350 microseconds as measured from 10 to 90 percent of load current waveform and minimum 525 microseconds as measured from 0 to 100 percent of load current waveform at 50 percent rated dimmer capacity at a 90 degree conduction angle. Current rise time to be minimum 400 microseconds as measured from 10 to 90 percent of load current waveform and minimum 600 microseconds as measured from 0 to 100 percent of load current waveform at 100 percent rated dimmer capacity at a 90 degree conduction angle.
- g. Load faults only affect the given circuit.
- 2. Modular Dimming Panels:
 - a. Product: **Lutron LP Series Dimming Panels.**
 - b. Provide surface-mounted enclosures; unless otherwise indicated; or required.
 - c. Unless otherwise indicated or required, utilize multiple load type 16 A feed continuous-use listed dimming/switching modules.
 - d. For switching only circuits, utilize relays rated for minimum of 1,000,000 cycles at fully rated current for all lighting loads.
 - e. For loads requiring 0-10V, PWM, or DSI control, utilize compatible multiple load type low voltage dimming modules.
- 3. Modular Combination Panels:
 - a. Product: **Lutron CCP Series Custom Combination Panels.**
 - b. Provide surface-mounted enclosures; unless otherwise indicated; or required.
 - c. Unless otherwise indicated or required, utilize multiple load type 16 A feed continuous-use listed dimming/switching modules.
 - d. For switching only circuits, utilize relays rated for typical 1,000,000 cycles at fully rated 16 A for all lighting loads.
 - e. For loads requiring 0-10V, PWM, or DSI control, utilize compatible multiple load type low voltage dimming modules.
- 4. Relay Panels:
 - a. Product: **Lutron XP Series Switching Panels.**
 - b. Provide surface-mounted enclosures; unless otherwise indicated; or required.
 - c. Switching Requirements:
 - 1) Utilize 20 A continuous-use rated switching modules; able to switch 20 A receptacles.
 - 2) Rated Life of Relay: Typical of 1,000,000 cycles at fully rated 16 A for all lighting loads.
 - 3) Switch load in a manner that prevents arcing at mechanical contacts when power is applied to and removed from load circuits.
 - 4) Provide output fully rated for continuous duty for inductive, capacitive, and resistive loads.
- 5. DC Dimming Panels:
 - a. Product: **Lutron DCI Series Dimming Panels.**
 - b. Mounting: Surface.
 - c. Meet recommended electrical noise levels of MRI system manufacturers.
 - d. Operate lamps free from audible noise and flicker throughout entire dimming range.
 - e. In case of control system failure, supervisory circuit to shut down power to load.
 - f. Automatically detect and compensate for lamp failures to maintain consistent DC voltage level.

2.04 LED DRIVERS

- A. General Requirements:
 - 1. Operate for at least 50,000 hours at maximum case temperature and 90 percent non-condensing relative humidity.

2. Provide thermal protection by automatically reducing power output to protect LED driver and LED light engine/fixture from damage due to over-temperature conditions that exceed the LED driver's maximum operating temperature at the calibration point (tc).
 3. Provide integral recording of operating hours and maximum operating temperature to aid in troubleshooting and warranty claims.
 4. Designed and tested to withstand electrostatic discharges without impairment when tested according to IEC 61000-4-2.
 5. Manufactured in a facility that employs ESD reduction practices in compliance with ANSI/ESD S20.20.
 6. UL 8750 recognized or listed as applicable.
 7. UL Type TL rated or UL Class P listed where possible to allow for easier fixture evaluation and listing of different driver series.
 8. Suitable for field replacement as applicable; listed in accordance with UL 1598C or UL 8750, Class P as indicated.
 9. Designed and tested to withstand Category A surges of 4,000 V according to IEEE C62.41.2 without impairment of performance.
 10. Class A sound rating; Inaudible in a 27 dBA ambient.
 11. Demonstrate no visible change in light output with a variation of plus or minus 10 percent change in line-voltage input.
 12. LED drivers of the same family/series to track evenly across multiple fixtures at all light levels.
 13. Offer programmable output currents in 10 mA or smaller increments within designed driver operating ranges for custom fixture length and lumen output configurations, while meeting a low-end dimming range of 100 to 0.1 percent, 100 to 1 percent or 100 to 5 percent as applicable.
 14. Meet NEMA 410 inrush requirements for mitigating inrush currents with solid state lighting sources.
 15. Employ integral fault protection up to 277 V to prevent LED driver damage or failure in the event of incorrect application of line-voltage to communication link inputs.
 16. LED driver may be remote located up to 100 feet (30 m) from LED light engine depending on power outputs required and wire gauge utilized by installer.
- B. 3-Wire Control:
1. Provide integral fault protection to prevent driver failure in the event of a mis-wire.
 2. Operate from input voltage of 120 V through 277 V at 50/60 Hz.
- C. Digital Control (when used with compatible **Lutron** lighting control systems):
1. Employ power failure memory; LED driver to automatically return to the previous state/light level upon restoration of utility power.
 2. Operate from input voltage of 120 V through 277 V at 50/60 Hz.
 3. Automatically go to 100 percent light output upon loss of control link voltage and lock out system commands until digital control link voltage is restored. Manufacturer to offer UL 924 compliance achievable through use of external **Lutron Model LUT-ELI-3PSH** interface upon request.
 4. Each driver responds independently per system maximum:
 - a. Up to 32 occupant sensors.
 - b. Up to 16 daylight sensors.
 5. Responds to digital load shed command. (Example: If light output is at 30 percent and a load shed command of 10 percent is received, the ballast automatically sets the maximum light output at 90 percent and lowers current light output by three percent to 27 percent).
 6. Digital low-voltage control wiring capable of being wired as either Class 1 or Class 2.
- D. Product(s):
1. Digital Control, 0.1 Percent Dimming with Soft-On and Fade-to-Black Low End Performance; **Lutron Hi-lume Premier 0.1% Constant Voltage (L3D0-Series)**:
 - a. Dimming Range: 100 to 0.1 percent measured output current.
 - b. Features smooth fade-to-on and fade-to-black (**Lutron Soft-On, Fade-to-Black™**) low end dimming performance for an incandescent-like dimming experience.

- c. Typically dissipates 0.25 W standby power at 120 V and 0.40 W standby power at 277 V.
 - d. Complies with FCC requirements of CFR, Title 47, Part 15, for commercial applications at 120-277 V and residential applications at 120 V.
 - e. Total Harmonic Distortion (THD): Less than 20 percent at maximum power; complies with ANSI C82.11.
 - f. Class 2 output designed to withstand hot swap of LED loads; meets UL 1310 and CSA C22.2 No. 223.
 - g. Driver outputs to be short circuit protected, open circuit protected, and overload protected.
 - h. Constant Voltage Drivers:
 - 1) Support for cove and under-cabinet fixtures at 24 V.
 - (a) Support LED arrays from 2 W to 96 W.
 - (b) Pulse Width Modulation (PWM) dimming frequency meets IEEE 1789.
 - (c) Meets solid state requirements for power factor, transient protection, standby power consumption, start time, and operating frequency in Energy Star for Luminaires Version 2.0.
 - (d) UL listed.
2. 3-Wire Control, 0.1 Percent Dimming; **Lutron Hi-lume Premier 0.1% Constant Voltage (L3D0-Series):**
- a. Dimming Range: 100 to 0.1 percent measured output current.
 - b. Complies with FCC requirements of CFR, Title 47, Part 15, for commercial applications at 120-277 V and residential applications at 120 V.
 - c. Total Harmonic Distortion (THD): Less than 20 percent at maximum power; complies with ANSI C82.11.
 - d. UL Class 2 output designed to withstand hot swap of LED loads.
 - e. Driver outputs to be short circuit protected, open circuit protected, and overload protected.
 - f. Constant Voltage Drivers:
 - 1) Support for cove and under-cabinet fixtures at 24 V.
 - (a) Support LED arrays from 2 W to 96 W.
 - (b) Pulse Width Modulation (PWM) dimming frequency meets IEEE 1789.
 - (c) Meets solid state requirements for power factor, transient protection, standby power consumption, start time, and operating frequency in Energy Star for Luminaires Version 2.0.
 - (d) UL listed.
3. Digital Control, 0.1 Percent Dimming with Soft-On and Fade-to-Black Low End Performance; **Lutron Hi-lume Premier 0.1% Constant Current (PEQ0-Series):**
- a. Dimming Range: 100 to 0.1 percent measured output current.
 - b. Features smooth fade-to-on and fade-to-black (**Lutron Soft-On, Fade-to-Black™**) low end dimming performance for an incandescent-like dimming experience.
 - c. Typically dissipates less than 0.5 W standby power at 120/277 V.
 - d. Complies with FCC requirements of CFR, Title 47, Part 15, for commercial applications at 120/277 V.
 - e. Class 2 output designed to withstand hot swap of LED loads; meets UL 1310 and CSA C22.2 No. 223.
 - f. Driver outputs to be short circuit protected and open circuit protected.
 - g. Constant Current Drivers:
 - 1) Support for downlights and pendant fixtures from 150 mA to 1.05 A to ensure a compatible driver exists.
 - (a) Support LED arrays up to 20 W.
 - (b) Constant Current Reduction (CCR) dimming method.
 - (c) UL listed Class P.

- (d) Meets solid state requirements for power factor, transient protection, start time, and operating frequency in Energy Star for Luminaires Version 2.0.
 - 2) Support for troffers, linear pendants, and linear recessed fixtures from 150 mA to 1.05 A to ensure a compatible driver exists.
 - (a) Support LED arrays up to 20 W.
 - (b) Constant Current Reduction (CCR) dimming method.
 - (c) UL listed Class P.
 - (d) Meets solid state requirements for power factor, transient protection, start time, and operating frequency in Energy Star for Luminaires Version 2.0.
- 4. Digital Control, 1 Percent Dimming with Soft-On and Fade-to-Black Low End Performance; **Lutron Hi-lume Premier 1% Constant Current (PEQ1-Series):**
 - a. Dimming Range: 100 to 1 percent measured output current.
 - b. Features smooth fade-to-on and fade-to-black (**Lutron Soft-On, Fade-to-Black™**) low end dimming performance for an incandescent-like dimming experience.
 - c. Typically dissipates less than 0.5 W standby power at 120/277 V.
 - d. Complies with FCC requirements of CFR, Title 47, Part 15, for commercial applications at 120/277 V.
 - e. Class 2 output designed to withstand hot swap of LED loads; meets UL 1310 and CSA C22.2 No. 223.
 - f. Driver outputs to be short circuit protected and open circuit protected.
 - g. Constant Current Drivers:
 - 1) Support for downlights and pendant fixtures from 150 mA to 1.05 A to ensure a compatible driver exists.
 - (a) Support LED arrays up to 20 W.
 - (b) Constant Current Reduction (CCR) dimming method.
 - (c) UL listed Class P.
 - (d) Meets solid state requirements for power factor, transient protection, start time, and operating frequency in Energy Star for Luminaires Version 2.0.
 - 2) Support for troffers, linear pendants, and linear recessed fixtures from 150 mA to 1.05 A to ensure a compatible driver exists.
 - (a) Support LED arrays up to 20 W.
 - (b) Constant Current Reduction (CCR) dimming method.
 - (c) UL listed Class P.
 - (d) Meets solid state requirements for power factor, transient protection, start time, and operating frequency in Energy Star for Luminaires Version 2.0.
- 5. Forward Phase (Neutral Wire Required), One Percent Dimming; **Lutron Hi-lume 1% (LTE-Series):**
 - a. Dimming Range: 100 to one percent relative light output.
 - b. Complies with FCC requirements of CFR, Title 47, Part 15, for commercial and residential applications at 120 V.
 - c. Total Harmonic Distortion (THD): Less than 20 percent at full output for 40 W loads; complies with ANSI C82.11.
 - d. Constant Current Drivers:
 - 1) Support for downlights and pendant fixtures from 200 mA to 2.1 A to ensure a compatible driver exists.
 - (a) Support LED arrays up to 53 W.
 - (b) Pulse Width Modulation (PWM) or Constant Current Reduction (CCR) dimming methods available.
 - (c) UL listed Class P.

- (d) Meets solid state requirements for power factor, transient protection, start time, and operating frequency in Energy Star for Luminaires Version 2.0.
 - 2) Support for troffers, linear pendants, and linear recessed fixtures from 200 mA to 2.1 A to ensure a compatible driver exists.
 - (a) Support LED arrays up to 40 W.
 - (b) Pulse Width Modulation (PWM) or Constant Current Reduction (CCR) dimming methods available.
 - (c) UL listed Class P.
 - (d) Meets solid state requirements for power factor, transient protection, start time, and operating frequency in Energy Star for Luminaires Version 2.0.
 - 3) Support for cove and under-cabinet fixtures from 200 mA to 2.1 A to ensure a compatible driver exists.
 - (a) Support LED arrays up to 40 W.
 - (b) Pulse Width Modulation (PWM) or Constant Current Reduction (CCR) dimming methods available.
 - (c) UL listed.
 - (d) Meets solid state requirements for power factor, transient protection, start time, and operating frequency in Energy Star for Luminaires Version 2.0.
- e. Constant Voltage Drivers:
 - 1) Support for downlights and pendant fixtures from 10 V to 60 V (in 0.5 V steps) to ensure a compatible driver exists.
 - (a) Support LED arrays up to 40 W.
 - (b) Pulse Width Modulation (PWM) dimming method.
 - (c) UL listed Class P.
 - (d) Meets solid state requirements for power factor, transient protection, start time, and operating frequency in Energy Star for Luminaires Version 2.0.
 - 2) Support for troffers, linear pendants, and linear recessed fixtures from 10 V to 60 V (in 0.5 V steps) to ensure a compatible driver exists.
 - (a) Support LED arrays up to 40 W.
 - (b) Pulse Width Modulation (PWM) dimming method.
 - (c) UL listed Class P.
 - (d) Meets solid state requirements for power factor, transient protection, start time, and operating frequency in Energy Star for Luminaires Version 2.0.
 - 3) Support for cove and under-cabinet fixtures from 10 V to 60 V (in 0.5 V steps) to ensure a compatible driver exists.
 - (a) Support LED arrays up to 40 W.
 - (b) Pulse Width Modulation (PWM) dimming method.
 - (c) UL listed.
 - (d) Meets solid state requirements for power factor, transient protection, start time, and operating frequency in Energy Star for Luminaires Version 2.0.
- 6. 3-Wire and Digital Control, One Percent Dimming; **Lutron Hi-lume 1% (L3D-Series)**:
 - a. Dimming Range: 100 to one percent relative light output.
 - b. Complies with FCC requirements of CFR, Title 47, Part 15, for commercial applications at 120 V or 277 V.
 - c. Total Harmonic Distortion (THD): Less than 20 percent at full output for loads greater than 25 W typical (higher for select models); complies with ANSI C82.11.
 - d. Constant Current Drivers:
 - 1) Support for downlights and pendant fixtures from 200 mA to 2.1 A to ensure a compatible driver exists.

- (a) Support LED arrays up to 53 W.
 - (b) Pulse Width Modulation (PWM) or Constant Current Reduction (CCR) dimming methods available.
 - 2) Support for troffers, linear pendants, and linear recessed fixtures from 200 mA to 2.1 A to ensure a compatible driver exists.
 - (a) Support LED arrays up to 40 W.
 - (b) Pulse Width Modulation (PWM) or Constant Current Reduction (CCR) dimming methods available.
 - 3) Support for cove and under-cabinet fixtures from 200 mA to 2.1 A to ensure a compatible driver exists.
 - (a) Support LED arrays up to 40 W.
 - (b) Pulse Width Modulation (PWM) or Constant Current Reduction (CCR) dimming methods available.
 - (c) UL listed.
- e. Constant Voltage Drivers:
 - 1) Support for downlights and pendant fixtures from 10 V to 60 V (in 0.5 V steps) to ensure a compatible driver exists.
 - (a) Support LED arrays up to 40 W.
 - (b) Pulse Width Modulation (PWM) dimming method.
 - 2) Support for troffers, linear pendants, and linear recessed fixtures from 10 V to 60 V (in 0.5 V steps) to ensure a compatible driver exists.
 - (a) Support LED arrays up to 40 W.
 - (b) Pulse Width Modulation (PWM) dimming method.
 - 3) Support for cove and under-cabinet fixtures from 10 V to 60 V (in 0.5 V steps) to ensure a compatible driver exists.
 - (a) Support LED arrays up to 40 W.
 - (b) Pulse Width Modulation (PWM) dimming method.
 - (c) UL listed.
- 7. Digital Control, Five Percent Dimming; **Lutron 5-Series (LDE5-Series):**
 - a. Dimming Range: 100 to five percent measured output current.
 - b. Typically dissipates 0.2 W standby power at 120 V and 0.3 W standby power at 277 V.
 - c. Complies with FCC requirements of CFR, Title 47, Part 15, for commercial applications at 120-277 V.
 - d. Constant Current Reduction (CCR) dimming method.
 - e. Total Harmonic Distortion (THD): Less than 21 percent at full load; complies with ANSI C82.11.
 - f. Constant Current Drivers:
 - 1) **Lutron K-Case Form Factor:** Support for downlights and pendant fixtures in currents from 220 mA to 1.4 A to ensure a compatible driver exists.
 - (a) Support LED arrays up to 40 W.
 - (b) UL listed Class P.
 - 2) **Lutron M-Case Form Factor:** Support for troffers, linear pendants, and linear recessed fixtures from 150 mA to 2.1 A to ensure a compatible driver exists.
 - (a) Support LED arrays up to 75 W.
 - (b) Meets solid state requirements for power factor, transient protection, standby power consumption, start time, and operating frequency in ENERGY STAR for Luminaires Version 2.0.
 - (c) Models available to meet the DesignLights Consortium (DLC) power line quality requirements.
 - (d) UL listed Class P.
- 8. Digital Control, One Percent Dimming with Soft-On and Fade-to-Black Low End Performance; **Lutron Hi-lume 1% Soft-on Fade-to-Black (LDE1-Series):**
 - a. Dimming Range: 100 to one percent measured output current.

- b. Features smooth fade-to-on and fade-to-black (**Lutron Soft-On, Fade-to-Black™**) low end dimming performance for an incandescent-like dimming experience.
- c. Typically dissipates 0.2 W standby power at 120 V and 0.3 W standby power at 277 V.
- d. Complies with FCC requirements of CFR, Title 47, Part 15, for commercial applications at 120-277 V.
- e. Employs true Constant Current Reduction (CCR) dimming method from 100 to five percent light level and Pulse Width Modulation (PWM) dimming method from five percent to off.
- f. Pulse Width Modulation (PWM) frequency of 240 Hz.
- g. Total Harmonic Distortion (THD): Less than 20 percent at full output for drivers greater than 25 W; complies with ANSI C82.11.
- h. UL Class 2 output.
- i. Driver outputs to be short circuit protected, open circuit protected, and overload protected.
- j. Constant Current Drivers:
 - 1) **Lutron K-Case Form Factor:** Support for fixtures from 220 mA to 1.4 A over multiple operating ranges.
 - (a) Support LED arrays up to 40 W.
 - (b) Meets solid state requirements for power factor, transient protection, standby power consumption, start time, and operating frequency in ENERGY STAR for Luminaires Version 2.0.
 - (c) UL listed Class P.
 - 2) **Lutron M-Case Form Factor:** Support for fixtures from 150 mA to 2.1 A over multiple operating ranges.
 - (a) Support LED arrays up to 75 W.
 - (b) Meets solid state requirements for power factor, transient protection, standby power consumption, start time, and operating frequency in ENERGY STAR for Luminaires Version 2.0.
 - (c) Models available to meet the DesignLights Consortium (DLC) power line quality requirements.
 - (d) UL listed Class P.
- 9. Digital Control, Tunable White, One Percent Dimming; **Lutron T-Series (PSQ0-Series):**
 - a. Dimming Range: 100 to one percent measured output current.
 - b. Support for tunable white fixtures with LED light sources having color temperatures between 1500 Kelvin and 6500 Kelvin.
 - c. Color temperature programmable in 50 Kelvin increments.
 - d. Output current programmable in 5 mA increments.
 - e. Dissipates less than 0.5 W standby power at 120 V and 277 V.
 - f. Complies with FCC requirements of CFR, Title 47, Part 15, for commercial applications at 120 and 277 V.
 - g. Employs true Constant Current Reduction (CCR) dimming method from 1.5A to 0.2A and Pulse Width Modulation (PWM) dimming method below 0.2A to off.
 - h. Pulse Width Modulation (PWM) frequency of 3.6 kHz.
 - i. Total Harmonic Distortion (THD): Less than 20 percent at full output; complies with ANSI C82.11.
 - j. UL Class 2 output.
 - k. UL listed Class P.
 - l. Driver outputs to be short circuit protected, open circuit protected, and overload protected.
 - m. Constant Current Drivers:
 - 1) Support for fixtures from 200 mA to 1.5 A.
 - (a) Support LED arrays up to 50 W.
 - (b) Models available to meet solid state requirements for power factor, transient protection, standby power consumption, start time, and operating frequency in ENERGY STAR for Luminaires Version 2.1.

- (c) Models available to meet the DesignLights Consortium (DLC) V4.3 power line quality requirements.

2.05 POWER INTERFACES

- A. Provide power interfaces as indicated or as required to control the loads as indicated.
- B. General Requirements:
 - 1. Phase independent of control input.
 - 2. Rated for use in air-handling spaces as defined in UL 2043.
 - 3. Utilize air gap off to disconnect the load from line supply.
 - 4. Diagnostics and Service: Replacing power interface does not require re-programming of system or processor.
- C. Product(s):
 - 1. Phase-Adaptive Power Module; **Lutron PHPM-PA**: Provides interface for phase control input to provide full 16 A circuit output of forward/reverse phase control for compatible loads.
 - 2. 3-Wire Fluorescent Power Module; **Lutron PHPM-3F**: Provides interface for phase control input to provide full 16 A circuit output for compatible line-voltage control fluorescent electronic dimming ballasts or LED drivers.
 - 3. Switching Power Module; **Lutron PHPM-SW**: Provides interface for phase control or switched input to provide full 16 A circuit output of switching for compatible non-dim loads.
 - 4. Phase-Adaptive Power Module with 3-Wire Fluorescent/LED Input; **Lutron PHPM-WBX**: Provides interface for fluorescent ballast/LED driver control input to provide full 16 A circuit output for compatible loads.
 - 5. Ten Volt Interface; **Lutron GRX-TVI**: Provides interface for phase control input to provide full 16 A circuit output of switching and 0-10 V low voltage control for compatible fluorescent electronic dimming ballasts or LED drivers.

2.06 MAIN UNITS (LUTRON GRAFIK EYE QS)

- A. The following module provides localized multi-zone control (LEDs & raise/lower buttons) used in applications where localized adjustability in the lighting or shade level is desired.
- B. Product: **Lutron GRAFIK Eye QS**.
- C. Provide main units with configuration and quantity of zones as indicated or as required to control the loads as indicated.
- D. Connects to lighting management hub via RS485.
- E. Finish: As selected by Interior Designer.
- F. Engrave units with button, zone, and scene descriptions as directed by Engineer.
- G. Integrated Wireless Capability:
 - 1. Provide wireless communication inputs for:
 - a. Occupancy sensors.
 - b. Daylight sensors.
 - c. Wireless controller.
 - 2. RF Range: 30 feet (9 m) between sensor and compatible RF receiving device(s).
 - 3. RF Frequency: 434 MHz; operate in FCC governed frequency spectrum for periodic operation; continuous transmission spectrum is not permitted.
- H. Preset Lighting Control with Zone Override:
 - 1. Intensity for each zone indicated by means of one illuminated bar graph per zone.
 - 2. User-programmable zone and scene names.
 - 3. Utilize air gap off to disconnect the load from line supply.
 - 4. Astronomical time clock and programmer interface provides access to:
 - a. Scene selections.
 - b. Fade zone to a level.
 - c. Fine-tuning of preset levels with scene raise/lower.
 - d. Lock out scenes and zones.

- e. Fine-tuning of light levels with individual zone raise/lower.
- f. Terminal block for wired infrared signal input.
- g. Enable/disable wall station.
- 5. Light intensity with real time energy savings by digital display.
- 6. Fade time indicated by digital display for current scene while fading.
- 7. Integral wide angle infrared receiver.
- 8. For temporary local overrides, individual raise/lower buttons to allow zones to be adjusted without altering scene values stored in memory.
- 9. Direct Low-Voltage Control of Digital Ballasts and LED drivers (120V, 220/240V, 277V and/or 347V Lighting):
 - a. Electronically link a digital fluorescent lighting ballast to a zone for both dimming and turning on/off.
 - b. Electronically assign daylight sensors to digital ballasts and line voltage dimmers for proportional daylight harvesting.
 - c. Single integral controller with Class 1 or Class 2 isolated digital output signal conforming to IEC 60929; capable of direct control without interface.
- 10. Creates daylighting rows independent of control zones.
- 11. Capable of re-zoning without re-wiring using programming display on unit.
- 12. Outputs can be virtually mapped to other device's outputs.
- 13. Zone raise/lower buttons capable of controlling local lighting loads connected to the main unit or remote lighting zones in the system.
- I. Preset Shade Control with Zone Override:
 - 1. Preset expandable shade control: Provide up to three columns of shade control.
 - 2. For temporary local overrides, individual raise/lower buttons to allow zones to be adjusted without altering scene values stored in memory.
- J. Provides one direct-wired occupancy sensor connection without interface or power pack.

2.07 LIGHTING CONTROL MODULES (*LUTRON ENERGI SAVR NODE*)

- A. Provide lighting control modules as indicated or as required to control the loads as indicated.
- B. General Requirements:
 - 1. Listed to UL 508 as industrial control equipment.
 - 2. Delivered and installed as a listed factory-assembled panel.
 - 3. Passively cooled via free-convection, unaided by fans or other means.
 - 4. Mounting: Surface.
 - 5. Connection without interface to wired:
 - a. Occupancy sensors.
 - b. Daylight sensors.
 - c. IR receivers for personal control.
 - 6. Connects to lighting management hub via RS485.
 - 7. LED status indicators confirm communication with occupancy sensors, daylight sensors, and IR receivers.
 - 8. Contact Closure Input:
 - a. Directly accept contact closure input from a dry contact closure or sold-state output without interface to:
 - 1) Activate scenes.
 - (a) Scene activation from momentary or maintained closure.
 - 2) Enable or disable after hours.
 - (a) Automatic sweep to user-specified level after user-specified time has elapsed.
 - (b) System will provide occupants a visual warning prior to sweeping lights to user-specified level.
 - (c) Occupant can reset timeout by interacting with the lighting system.
 - 3) Activate or deactivate demand response (load shed).
 - (a) Load shed event will reduce lighting load by user-specified amount.

9. Emergency Contact Closure Input:
 - a. Turn all zones to full output during emergency state via direct contact closure input from UL 924 listed emergency lighting interface, security system or fire alarm system.
 - b. Allow configurable zone response during emergency state.
 - c. Disable control operation until emergency signal is cleared.
10. Supplies power for control link for keypads and control interfaces.
11. Distributes sensor data among multiple lighting control modules.
12. Capable of being controlled via wireless sensors and controls.
- C. Switching Lighting Control Modules:
 1. Product(s):
 - a. **Lutron SoftSwitch Energi Savr Node; Model QSN-4SI6-S:** 16 A continuous-use per channel.
 - b. **Lutron SoftSwitch Energi Savr Node; Model QSN-4S20-S:** 20 A (16 A ballast) continuous-use per channel.
 2. Switching:
 - a. Rated Life of Relay: Typical of 1,000,000 cycles at fully rated 16 A for all lighting loads.
 - b. Load switched in manner that prevents arcing at mechanical contacts when power is applied to and removed from load circuits.
 - c. Fully rated output continuous duty for inductive, capacitive, and resistive loads.
 - d. Module to integrate up to four individually controlled zones.
 - e. Utilize air gap off, activated when user selects "off" at any control to disconnect the load from line supply.
- D. 0-10V Lighting Control Modules:
 1. Product(s):
 - a. Lutron 0-10V Energi Savr Node; Model QSN-4TI6-S: 16 A continuous-use per channel.
 - b. Lutron 0-10V Energi Savr Node; Model QSN-4T20-S: 20 A (16 A ballast) continuous-use per channel.
 2. Coordination Between Low Voltage Dimming Module and Line Voltage Relay: Capable of being electronically linked to single zone.
 3. Single low voltage dimming module; capable of controlling following light sources:
 - a. 0-10V analog voltage signal.
 - 1) Provide Class 2 isolated 0-10V output signal conforming to IEC 60929.
 - 2) Sink current per IEC 60929.
 - b. 10V-0V analog voltage signal.
 - 1) Provide Class 2 isolated 0-10V output signal conforming to IEC 60929.
 - 2) Sink current per IEC 60929.
 4. Switching:
 - a. Rated Life of Relay: Typical of 1,000,000 cycles at fully rated 16 A for all lighting loads.
 - b. Load switched in manner that prevents arcing at mechanical contacts when power is applied to and removed from load circuits.
 - c. Fully rated output continuous duty for inductive, capacitive, and resistive loads.
 - d. Module to integrate up to four individually controlled zones.
 - e. Utilize air gap off, activated when user selects "off" at any control to disconnect the load from line supply.
- E. Digital Fixture Lighting Control Modules:
 1. Product(s):
 - a. One **Ecosystem** digital link; **Lutron EcoSystem Energi Savr Node; Model QSN-IECO-S.**
 - b. Two **Ecosystem** digital links; **Lutron EcoSystem Energi Savr Node; Model QSN-2ECO-S.**
 - c. Two **T-Series** digital links; independent correlated color temperature and light intensity control; **Lutron T-Series Energi Savr Node; Model QSN-TW.**
 2. Provides two-way feedback with digital fixtures for energy monitoring, light level status, lamp failure reporting, and ballast/driver failure reporting.

3. Provide testing capability using manual override buttons.
4. Each low-voltage digital communication link to support up to 64 addresses capable of NFPA 70 Class 1 or Class 2 installation.

2.08 DIGITAL DIMMING BALLAST AND SWITCHING MODULES (*LUTRON ECOSYSTEM*)

- A. Provide digital dimming ballast and switching modules as indicated or as required to control the loads as indicated.
- B. General Requirements:
 1. Provide continuous 3-wire signal dimming to compatible 3-wire electronic dimming ballasts.
 2. Utilize air gap off to disconnect the load from line supply.
 3. Connect without interface to:
 - a. Occupancy sensor.
 - b. Daylight sensor.
 - c. Personal control input (wall station or infrared receiver).
 4. Generate digital communication commands to distribute ballast and sensor data on the digital bus.
 5. If power is interrupted and subsequently restored, lights automatically return to the setting prior to power interruption.
 6. Each ballast module responds independently to:
 - a. Up to 32 occupancy sensors.
 - b. Up to 64 personal control inputs.
 - c. Two daylight sensors.
 7. Unique internal reference number visible displayed on module cover.
 8. Averages two independent daylight harvesting inputs internally.
 9. Responds to digital load shed command.
 - a. Sets high end trim.
 - b. Automatically scales light output proportional to load shed command. (Example: If light output is at 30 percent and a load shed command of 10 percent is received, the ballast to automatically set the maximum light output at 90 percent and lower current light output by 3 percent to 27 percent).
 10. Provide integral fault protection to prevent ballast module failure in the event of a mis-wire.
- C. Product(s):
 1. 3-Wire Ballast Module, 2 Amp; **Lutron EcoSystem Model C5-BMF-2A:**
 - a. Integrates up to 2 amps of 3-wire electronic dimming ballasts into **EcoSystem** digital control system as a single zone.
 2. 3-Wire Ballast Module, 16 Amp; **Lutron EcoSystem Model C5-BMJ-16A:**
 - a. Integrates up to 16 amps of 3-wire electronic dimming ballasts into **EcoSystem** digital control system as a single zone.
 - b. Integrates up to 16 amps of switched high intensity discharge (HID) lighting load into **EcoSystem** digital control system as a single zone.
 3. Switching Power Module, 16 Amp; **Lutron EcoSystem Model C5-XPJ-16A:**
 - a. Integrates up to 16 amps of high in-rush lighting load (magnetic fluorescent ballast, electronic fluorescent ballast, HID, incandescent, magnetic low-voltage, electronic low-voltage, neon/cold cathode and motor loads) into **EcoSystem** digital control system as a single zone.

2.09 LIGHTING MANAGEMENT HUBS

- A. Product: **Lutron Quantum Light Management Hub.**
- B. Provided in a pre-assembled NEMA listed enclosure with terminal blocks listed for field wiring.
- C. Connects to controls and power panels via RS485.
- D. Enables light management software to control and monitor compatible dimming ballasts and ballast modules, power panels, power modules, and window treatments.

1. Utilizes Ethernet connectivity to light management computer utilizing one of the following methods:
 - a. Dedicated network.
 - b. Dedicated VLAN.
 - c. Shared network with Building Management System (BMS).
 - d. Corporate network where managed switches are configured to allow multicasting and use of IGMP.
- E. Integrates control station devices, power panels, shades, preset lighting controls, and external inputs into a single customizable lighting control system with:
 1. Multiple Failsafe Mechanisms:
 - a. Power failure detection via emergency lighting interface.
 - b. Protection: Lights go to full on if ballast wires are shorted.
 - c. Distributed architecture provides fault containment. Single hub failure or loss of power does not compromise lights and shades connected to other lighting management hubs.
 2. Manual overrides.
 3. Automatic control.
 4. Central computer control and monitoring.
 5. Integration with BMS via BACnet.
- F. Furnished with astronomical time clock.
- G. Furnished with solar clock to track the position of the sun to control the shades to limit penetration of direct sunlight.
- H. Maintains a backup of the programming in a non-volatile memory capable of lasting more than ten years without power.
- I. BACnet Integration License:
 1. Provide ability to communicate by means of native BACnet IP communication (does not require interface) to lighting control system from a user-supplied 10BASE-T or 100BASE-T Ethernet network.
 2. Requires only one network connection per system.
 3. Lighting control system to be BACnet Test Laboratory (BTL) listed.
 4. Basic BACnet integration license:
 - a. The BACnet integrator can command:
 - 1) Area light output.
 - 2) Area enable or disable after hours mode.
 - 3) Area load shed level.
 - 4) Area load shed enable/disable.
 - 5) Area shade group presets and levels.
 - 6) Enable/Disable:
 - (a) Automated solar adaptive shade control.
 - (b) Cloudy day/shadow override mode for automated shade control.
 - (c) Brightness override mode for automated shade control.
 - (d) Area occupancy sensors.
 - (e) Area daylighting.
 - 7) Daylighting level.
 - 8) Area occupied and unoccupied level
 - 9) Occupancy sensor timeouts.
 - b. The BACnet integrator can monitor:
 - 1) Area on/off status.
 - 2) Area occupancy status.
 - 3) Area fault.
 - (a) Lamp failures.
 - (b) Control devices not responding.
 - 4) Area load shed status.
 - 5) Area instantaneous energy usage and maximum potential power usage.

- 6) Energy savings broken out by strategy (occupancy, timeclock, daylighting, personal control, tuning, load shed) down to the individual area.
- 7) Area shade group presets and levels.
- 8) Cloudy day and shadow sensor status.
- 9) Light levels from window mounted sensors.
- 10) Enable/Disable:
 - (a) Status of automated solar adaptive shade control.
 - (b) Status of cloudy day/shadow override for automated shade control.
 - (c) Status of brightness override for automated shade control.
 - (d) Area occupancy sensors.
 - (e) Daylighting.
 - (f) Timeclocks.
- 11) Daylighting level.
- 12) Light levels from photo sensors or Radio Window sensors.
- 13) Area occupied and unoccupied level.
- 14) Occupancy sensor timeouts.
- c. Shade assignment and grouping to be discoverable with third party building management software.
- J. Integration with other devices over Ethernet via Telnet using the Lutron Integration Protocol.
- K. Control other devices over Ethernet via TCP or Telnet by sending device specific strings.

2.10 LIGHTING MANAGEMENT SYSTEM COMPUTERS

--CHOOSE ONLY ONE OF THE TWO PARAGRAPHS BELOW--

- A. No computers to be provided. Lighting Control System Manufacturer authorized Service Representative to perform system start-up without on-site computer.
- B. Computers:
 - 1. Product: **Lutron Q-Manager**.
 - 2. System PC (Desktop/Laptop):
 - a. Suitable for occasional programming, monitoring, and control of digital network lighting controls.
 - b. Unless otherwise indicated, computer(s) to be provided by owner.
 - c. Minimum Hardware Requirements:
 - 1) Processor: Single Intel® Core® i3 processor with minimum speed of 2.4 GHz.
 - 2) 16 GB RAM.
 - 3) 250 GB hard drive (40 GB for application).
 - 4) One 10/100/1000 Ethernet network interface for communication with lighting management hubs.
 - 5) Monitor with 1280 x 1024 resolution.
 - 6) 4 USB 2.0 ports.
 - 7) Dedicated Graphics Card with 256 MB of memory.
 - d. Minimum Software Requirements:
 - 1) Licensed installation of US English 64-bit Microsoft® Windows® 7 Professional with Service Pack 1, US English 64-bit Microsoft® Windows® 8 Professional, or US English 64-bit Microsoft® Windows® 8.1 Professional.
 - 2) Microsoft® Internet Information Services (IIS) 7 or later.
 - 3) Microsoft® Internet Explorer 9 or later.
 - 4) Microsoft® .NET Framework 3.5.
 - 5) Microsoft® .NET Framework 4.5.
 - 3. Computers Provided by Lighting Control System Manufacturer: Computer software to be preinstalled and tested prior to shipping.

2.11 LIGHTING MANAGEMENT SYSTEM SOFTWARE

- A. Provide system software license and hardware that is designed, tested, manufactured, and warranted by a single manufacturer.
- B. Configuration Setup Software:
 1. Product: **Lutron Q-Design.**
 2. Suitable to make system programming and configuration changes using a graphical floor plan view or a generic system layout.
 3. Windows-based, capable of running on either central server or a remote client over TCP/IP connection.
 4. Publish Graphical Floor Plan: Allows the user to publish new graphical floor plan files, allowing users to monitor the status of lights, occupancy of areas, and daylighting status.
 5. Back-Up Project Database: Allows the user to back up the project database that holds all the configuration information for the system, including keypad programming, area scenes, daylighting, occupancy programming, emergency levels, night lights, and time clock.
 6. Publish Project Database: Allows the user to send a new project database to the server and download the new configuration to the system. The project database holds all the configuration information for the system, including keypad programming, area scenes, daylighting, occupancy programming, emergency levels, night lights, and time clock.
 7. Allows manufacturer either remotely or with on-site service call and/or end-user (with training) to:
 - a. Capture system design:
 - 1) Geographical layout.
 - 2) Load schedule zoning.
 - 3) Shade grouping.
 - 4) Equipment schedule.
 - 5) Equipment assignment to lighting management hubs.
 - 6) Daylighting design.
 - b. Define the configuration for the following in each area:
 - 1) Lighting scenes.
 - 2) Shade group presets.
 - 3) Control station devices.
 - 4) Interface and integration equipment.
 - 5) Occupancy/after hours.
 - 6) Partitioning.
 - 7) Daylighting.
 - 8) Emergency lighting.
 - 9) Night lights.
 - c. Startup:
 - 1) Addressing.
 - 2) Daylighting.
 - 3) Provide customized conditional programming.
- C. Control and Monitor Software:
 1. Product: **Lutron Quantum Vue.**
 2. General Requirements:
 - a. Web-based; runs on most HTML5 compatible browsers (including Internet Explorer, Chrome, and Safari).
 - b. Supports multiple platforms and devices; runs from a tablet, desktop, laptop, or smartphone; optimized for displays of 1024 by 768 pixels or higher.
 - c. User interface supports multi-touch gestures such as pinch to zoom, drag to pan, etc.
 - d. Utilizes HTTPS (industry-standard certificate-based encryption and authentication for security).
 - e. All functionality listed below must be available via a single application.
 3. System Navigation and Status Reporting:
 - a. Performed using graphical floor plan view or a generic system layout.

- b. Graphical Floor Plan View: Utilizes customized CAD based drawing of the building. Pan and zoom feature allows for easy navigation; dynamically adjusts the details presented based on zoom level.
- c. Area, scene, and zone names can be changed in real time.
- d. Adjustments can be made based on area type.
- 4. Control of Lights:
 - a. Control and monitor individual lights from a graphical floor plan (with **Lutron EcoSystem** digital ballasts/drivers).
 - 1) Individual lights can be monitored for on/off status.
 - 2) Individual lights can be turned on/off or sent to a specific level.
 - 3) High end of individual lights can be tuned/trimmed.
 - b. Control and monitor zone/area lights.
 - 1) Area lights can be monitored for on/off status.
 - 2) All lights in an area can be turned on/off or sent to a specific level.
 - 3) For areas that have been zoned, these areas may be sent to a predefined lighting scene, and individual zones may be controlled.
 - 4) Area lighting scenes can be renamed and modified in real-time, changing the levels that zones go to when a scene is activated.
 - 5) High and low end of area lighting can be tuned/trimmed.
 - c. Control and monitor area partition status from a graphical floor plan.
- 5. Control of Shades:
 - a. Area shades can be monitored for current preset or position.
 - b. Area shades can be opened/closed, sent to a preset, or sent to a specific position.
- 6. Occupancy:
 - a. Area occupancy can be monitored.
 - b. Area occupancy can be disabled to override occupancy control or in case of occupancy sensor problems.
 - c. Area occupancy settings including level that lights turn on to when area is occupied, and level that lights turn off to when area is unoccupied can be changed in real-time.
 - d. Monitor energy savings due to occupancy down to an individual area.
- 7. Daylighting:
 - a. Daylighting can be enabled/disabled. Can be used to override the control currently taking place in the space.
 - b. Daylight calibration can be adjusted for each daylit area.
 - c. Daylight status can be monitored.
 - d. Monitor energy savings due to daylight harvesting down to an individual area.
- 8. Load Shedding; **Lutron IntelliDemand**: Allows the building manager to monitor whole building lighting power usage and apply a customized load shed reduction to selected areas, thereby reducing a building's power usage; load shedding triggered via **Quantum Vue** software or BACnet.
- 9. Scheduling: Schedule time of day and astronomic time clock events to automate functions.
 - a. Adjust or disable a single occurrence of a repeating scheduled event.
 - b. Easily monitor and adjust scheduled events using a weekly calendar view.
- 10. Reporting: Provide reporting capability that allows the building manager to gather real-time and historical information about the system as follows:
 - a. Energy Reports: Show a comparison of cumulative energy used over a period of time for one or more areas. Capable of displaying:
 - 1) Current savings in percent and kW.
 - 2) Historic energy savings in kWh saved.
 - 3) Historical views in time periods (days, weeks, months, years).
 - 4) Comparisons of historical periods (days, weeks, months, years).
 - b. Power Reports: Show power usage trend over a period of time for one or more areas.
 - c. Energy Density Report: Show energy usage in W/sq ft.

- d. Energy Savings By Strategy Report: Show energy savings for any area broken down by strategy (tuning, occupancy, daylighting, scheduled events, personal control, and load shedding).
 - e. Space Utilization/Occupancy Reports: Show historical occupancy over a period of time for one or more areas using a graphical floor plan, generic system layout, and/or graphs and charts.
 - f. Activity Report: Show what activity has taken place over a period of time for one or more areas. Activity includes occupant activities (e.g. wall controls being pressed), building manager operation (e.g. controlling/changing areas using the control and monitor tool), and device failures (e.g. keypads or ballasts that are not responding).
 - 1) Includes shade related activities (e.g. automatic movements from **Hyperion** automated shade algorithm, manual overrides from personal controls, automatic overrides from sensors).
 - g. Lamp Failure Report: Shows which areas are currently reporting lamp failures.
 - h. Shade Level Report: Shows the shade level for any shade group in the system over any historical 24 hour period.
 - i. Shade Position Report: Shows the percentage of time shade groups in the system are at each position.
 - j. Sensor Level Report: Shows the light level in footcandles of any photosensor in the system.
 - k. Alert Activity Report: Capable of generating historical reports of all alert activity within the system.
 - l. **Hyperion** Automated Shade Control Activity Report: A single chart that displays historical data regarding the position and performance of **Hyperion** automated shades for a given shade group, which can be displayed and exported over any single hour or 24 hour period, and includes the following:
 - 1) Shade Level: Shows the shade level for any shade group in the system over the time period, and also indicates the reason for shade movement.
 - 2) Sensor Level: Shows the light level in footcandles over time for a given shade group.
 - 3) Sensor Threshold: Shows the sensor override thresholds in footcandles over time for a given shade group.
 - 4) **Hyperion Mode**: Shows the system mode transitions over time (**Hyperion**, Dark Override, Bright Override, Manual Override, etc.).
 - 5) Sun Position: Shows the sun position with respect to the façade.
 - 6) Shade Positional Parameter: Expected position of the shade under normal, bright, or dark operations.
11. Diagnostics: Allows the building manager to check on the status of all equipment in the lighting control system. Devices to be listed with a reporting status of OK, missing, or unknown.
12. Alerts and Alarms: Monitors the system for designated events/triggers and automatically generates alerts according to configured response criteria.
- a. Capable of monitoring for the following events/triggers:
 - 1) A failed piece of equipment (e.g. ballast, control, sensor, etc.); alert cleared when equipment is replaced.
 - 2) A lamp outage (for compatible **EcoSystem** digital electronic dimming ballasts only); alert cleared when lamp is replaced.
 - 3) Low battery conditions in battery-operated sensors and controls; alert cleared when battery is replaced.
 - 4) Luminaires with lamp operating hours in excess of designated time.
 - 5) A load shed event; alert generated for beginning and end of trigger.
 - 6) Energy usage higher than designated threshold target.
 - 7) Potential light level condition discrepancies (daylight sensors not agreeing with expected lighting status).

- 8) Potential sensor failures (Radio Window sensors that have not seen a change in light level).
 - b. View alerts on a customized graphical floor plan.
 - c. Capable of generating alerts through visible changes in software or through email messages.
 - d. Capable of customizing the frequency of alerts and providing notifications immediately or through daily, weekly, or monthly summaries.
 - e. Capable of sending different alerts to different system users.
 - f. Capable of generating historical reports of all alert activity within the system.
- 13. Administration:
 - a. Users: Allows new user accounts to be created and existing user accounts to be edited.
 - 1) Supports Active Directory (LDAP) tying user accounts to network accounts.
 - b. Area and feature access can be restricted based on login credentials with assigned levels of access rights (Monitor, Control Only, Control and Edit, Admin) and customized access levels available.
 - c. Supports up to 20 concurrent users and 10,000 user accounts.
- 14. Quick Controls: Create shortcuts to activate customized system-wide actions, such as updating lighting and/or shade levels.
- 15. Provides control/monitoring of partition status to automatically reconfigure how the space operates based on the partition's open/closed status.
- 16. Variables: Used for custom program of a system and/or to signal a third party system. Any change may cause a change in the behavior of the system.
 - a. View the current state of system variables across subsystems.
 - b. Update the current variable state across all subsystems.
- 17. Device Lock/Unlock: Allows the building manager to lock control station devices to prevent building occupants from activating their programming (button presses), until they are unlocked.
 - a. Keypads can be locked to help ensure occupants cannot change light and shade levels in a public space during specific events or business hours.
 - b. Keypads can be unlocked after events/during after hours to allow maintenance, cleaning, security, and others to perform their tasks without needing to contact a building manager.
- 18. Control and Monitor for Multiple **Quantum Vue and/or Vive Vue Systems; Lutron Enterprise Vue:**
 - a. Allows user to view aggregate data from multiple connected **Quantum Vue and/or Vive Vue** systems spanning multiple buildings through a single user account:
 - 1) Space utilization/occupancy.
 - 2) Energy usage/savings.
 - 3) Alerts/alarms.
 - b. Allows user to view details and adjust settings for any connected **Quantum Vue or Vive Vue** system; supports system navigation through campuses and buildings using graphical floor plans.
- D. **Quantum Mobile Control and Programming Software License:**
 - 1. Allows mobile control and programming of **Quantum** system via an Apple iPad or Windows 10 tablets/PCs.
 - 2. Provides users the ability to:
 - a. Control and monitor area lighting scenes, zones, and shade presets.
 - b. Easily identify zones and shade groups.
 - c. Edit area lighting scenes, shade presets, scene fade rates, and scene delay rates.
 - d. Restrict user access by area.
 - e. Restrict users from ability to make changes.
 - 3. Connects to **Quantum** system via:
 - a. An Ethernet connection directly to the processor or through the computer (server) in the system.

- 1) If connecting to a server, it must be a server with only a single instance of **Quantum** system software.
- b. Wi-Fi.
- E. DMX Input Software License:
 1. Product: **Lutron Model QSW-DMX-IN** software license for DMX input; no additional hardware required.
 2. Provides ability to map a single zone intensity to a single DMX512 lighting channel.
 3. DMX input control can be enabled and disabled on an area-by-area basis.
 4. Supports zone chaining for partitioned spaces.
 5. Supports a sustained rate of up to five constantly changing channels at any one time.
- F. Automated Shade Control Software:
 1. Product: **Lutron Hyperion**.
 2. Objectives:
 - a. Uses open loop solar adaptive algorithm to minimize the penetration depth of direct sunlight.
 - b. Optimizes energy savings from daylight.
 - c. Provides manual override capability for occupants via wall-mounted keypad or simple remote control.
 - d. Provides automatic override capability utilizing a local sensor in dark conditions or when excessive brightness occurs.
 - e. Maximizes occupants' connectivity with outdoors by optimizing view.
 - f. Provides diffuse daylight and minimizes direct sunlight in the space to reduce solar heat gain and maximize occupant comfort in the space.
 - g. Reduces glare.
 - h. Shades along same facade to start, stop and track in unison to maintain a consistent exterior aesthetic.
 - i. Provides optional presets to allow shades to align with architectural elements of the facade.
 - j. Provides a preset, also referred to as visor position, to limit maximum amount of light entering a space.
 - k. Provides configurable dark and bright override positions.
 3. Hardware: Independent operation of solar tracking program through non-Windows based operating system provided in one or more lighting management hubs.
 4. Control Software:
 - a. Incorporates a solar tracking software that:
 - 1) Calculates the sun's position in the sky relative to the building and then calculates when shade movement is necessary by facade.
 - 2) Calculates the position of the shade to limit direct sunlight penetration to a predetermined limit.
 - b. Controlled using the following inputs for startup:
 - 1) Building location.
 - 2) Facade orientation.
 - 3) Window dimensions.
 - 4) Solar depth of penetration.
 - 5) Number of shade movements per day.
 - 6) Visor position of shades.
 - 7) Optional presets that align shades with architectural features of the facade.
 - 8) Light level thresholds for dark and bright override.
 - 9) Shade position for dark and bright override.
 - 10) Window position on wall.
 - c. Requires minimal long term maintenance and service. Does not require user to make daily changes to programming or overall system functionality, unless desired by owner.
 5. **Hyperion** Automated Shade Operation Adjustment and Configuration:
 - a. Access to all adjustable parameters (e.g. solar depth of penetration, number of shade movements per day, manual override timeout, run schedules, override levels).

- b. Manual adjustment of any parameter.
 - c. Calculates and recommends adjustments.
 - 1) Software algorithm computes recommendations.
 - 2) Recommendation based on space end-user experience.
 - (a) Space too bright.
 - (b) Space too dark.
 - (c) Shades move too frequently.
 - (d) For specified shade.
 - (e) For specified time.
 - 3) Recommendation tweaks any or all adjustable parameters to improve shade performance.
6. Override:
- a. Manual:
 - 1) Temporary override of the control program capability through optional manual keypads, remote controls, or end-user control software.
 - 2) Keypads, remote controls, or end-user control software to be capable of providing manual control of shades in a particular area.
 - 3) Time of manual override to be programmable.
 - b. Automatic overrides achievable via Radio Window sensors or rooftop cloudy day sensors:
 - 1) Radio Window Sensors:
 - (a) Product(s):
 - (1) **Lutron Radio Window sensor; Model LRF2-SSM-XX** (mullion mount sensor pair).
 - (2) **Lutron Radio Window sensor; Model LRF2-SSW-WH** (window mount).
 - (b) Monitors exterior light conditions and provides automatic override of system on dark cloudy days or in the presence of shadows from neighboring buildings and rooftop mechanical equipment.
 - (c) Capable of detecting a light range of 0 to 10,000 footcandles (0 to 107,000 lux).
 - (d) Sensors update the system with the light level conditions based on daylight event changes, not periodic transmissions.
 - (e) During dark conditions, shades to go to predetermined dark override position to maximize view and available daylight.
 - (f) Monitors exterior light conditions and provides automatic override of system during excessive brightness.
 - (g) During excessive bright conditions, shades to go to predetermined bright override position to maximize occupant comfort.
 - (h) Capable of having one or multiple sensors per facade for more localized detection of exterior light conditions.
 - (i) Capable of having one sensor control one shade group or multiple shade groups.
 - (j) Provides flexible grouping capabilities to achieve optimal hembar alignment and daylight autonomy by allowing for any of the following three grouping options in the software:
 - (1) Smart Adaptive Grouping: Shades in the same facade share sensor data and intelligently adapt grouping to balance daylight autonomy, hembar alignment, and maintain consistent shade positions for groups with similar perceived daylight conditions.
 - (2) Always Aligned: Shades in the same facade share sensor data and always maintain hembar alignment across the entire facade.
 - (3) Independent Grouping: Shades in the same facade operate independently based on individual sensor data.

- (k) Software enables the ability to adjust thresholds, timeouts, and shade movement frequency globally or per area to meet the unique preferences of different individuals.
 - (l) Sensor to not require external power packs, power wiring, or communication wiring.
 - (m) Light level readings of the two mullion mount sensors to be combined together to act as one sensor.
 - (n) Sensor to be easily mountable to mullion (mullion mount sensor pair) or window (window mount) and can be easily removed and repositioned without marring or damaging window surface.
 - (o) Provides typical battery lifetime of 7 to 10 years when installed per manufacturer instructions.
 - (p) Communicates directly to compatible **Lutron QS** sensor module via **Lutron Clear Connect Technology** to ensure reliable RF communications.
 - (q) RF Frequency: 434 MHz.
 - (r) RF Range: 30 feet (9 m) between sensor and compatible RF receiving device(s).
 - (s) Intuitive test mode to provide instant system verification of associated shades and programmed visor position.
- 2) Rooftop Cloudy Day Sensors:
- (a) Product: **Lutron Cloudy Day Sensor; Model QS-CES-R.**
 - (b) Provides automatic override of system on dark cloudy days.
 - (c) During dark conditions, shades to go to predetermined visor position to maximize view and available daylight.

2.12 CONTROL STATIONS

- A. Provide control stations with configuration as indicated or as required to control the loads as indicated.
- B. Wired Control Stations:
 - 1. General Requirements:
 - a. Power: Class 2 (low voltage).
 - b. UL listed.
 - c. Provide faceplates with concealed mounting hardware.
 - d. Borders, logos, and graduations to use laser engraving or silk-screened graphic process that chemically bonds graphics to faceplate, resistant to removal by scratching and cleaning.
 - e. Finish: As selected by Interior Designer.
 - 2. Multi-Scene Wired Control:
 - a. General Requirements:
 - 1) Allows control of any devices part of the lighting control system.
 - 2) Allows for easy reprogramming without replacing unit.
 - 3) Replacement of units does not require reprogramming.
 - 4) Communications: Utilize RS485 wiring for low-voltage communication.
 - 5) Engrave keypads with button, zone, and scene descriptions as directed by Engineer.
 - 6) Software Configuration:
 - (a) Customizable control station device button functionality:
 - (1) Buttons can be programmed to perform single defined action.
 - (2) Buttons can be programmed to perform defined action on press and defined action on release.
 - (3) Buttons can be programmed using conditional logic off of a state variable such as time of day or partition status.

- (4) Buttons can be programmed to perform automatic sequence of defined actions.
 - (5) Capable of deactivating select keypads to prevent accidental changes to light levels.
 - (6) Buttons can be programmed for raise/lower of defined loads.
 - (7) Buttons can be programmed to toggle defined set of loads on/off.
- 7) Status LEDs:
 - (a) Upon button press, LEDs to immediately illuminate.
 - (b) LEDs to reflect the true system status. LEDs to remain illuminated if the button press was properly processed or LEDs to turn off if the button press was not processed.
 - (c) Support logic that defines when LED is illuminated:
 - (1) Scene logic (logic is true when all zones are at defined levels).
 - (2) Room logic (logic is true when at least one zone is on).
 - (3) Pathway logic (logic is true when at least one zone is on).
 - (4) Last scene (logic is true when spaces are in defined scenes).
- b. Wired Keypads; **Lutron seeTouch QS Keypads:**
 - 1) Style: As selected by Interior Designer.
 - 2) Communications: Utilize RS485 wiring for low-voltage communications link.
 - 3) Mounting: Wallbox or low-voltage mounting bracket; provide wall plates with concealed mounting hardware.
 - 4) Button/Engraving Backlighting:
 - (a) Utilize backlighting for buttons and associated engraving to provide readability under all light conditions.
 - (b) Backlight intensity adjustable via programming software.
 - 5) Design keypads to allow field-customization of button color, configuration, and engraving using field-changeable replacement kits.
 - 6) Contact Closure Interface: Provide two contact closure inputs on back of unit which provide independent functions from front buttons; accepts both momentary and maintained contact closures.
 - 7) Terminal block inputs to be over-voltage and miswire-protected against wire reversals and shorts.
 - 8) Provide integral infrared receiver for personal control where indicated on drawings.
- c. Wired Keypads; **Lutron Architrave QS Keypads:**
 - 1) Mounting: Wallbox; **Lutron Architrave Wallbox**; provide wall plates with concealed mounting hardware.
 - 2) Design keypads to allow field-customization of button color, configuration, and engraving using field-changeable replacement kits.
 - 3) Contact Closure Interface: Provide two contact closure inputs on back of unit which provide independent functions from front buttons; accepts both momentary and maintained contact closures.
 - 4) Terminal block inputs to be over-voltage and miswire-protected against wire reversals and shorts.
- d. Wired Keypads; **Lutron Signature Series QS Keypads:**
 - 1) Mounting: Wallbox; **Lutron Signature Series Wallbox**; provide wall plates with concealed mounting hardware.
 - 2) Button/Engraving Backlighting:
 - (a) Utilize backlighting for buttons and associated engraving to provide readability under all light conditions.
 - (b) Backlight intensity adjustable via programming software.
 - 3) Design keypads to allow field-customization of button color, configuration, and engraving using field-changeable replacement kits.

- 4) Contact Closure Interface: Provide two contact closure inputs on back of unit which provide independent functions from front buttons; accepts both momentary and maintained contact closures.
- 5) Terminal block inputs to be over-voltage and miswire-protected against wire reversals and shorts.
- e. **Wired Keypads; *Lutron QS Wired Palladiom Wallstations*:**
 - 1) Style: Architectural Style.
 - 2) Mounting: Wallbox; provide wall plates with concealed mounting hardware.
 - 3) Buttons and Faceplate:
 - (a) Buttons to be greater than 0.65 inch (16.5 mm) in height to provide large target area for ease of use and actuation.
 - (b) Front of buttons to be flush with faceplate.
 - (c) Buttons and faceplate to be of the same material (e.g. plastic/plastic, glass/glass, metal/metal).
 - (d) Buttons to depress and provide tactile feedback of a successful button push. Controls utilizing capacitive or resistive touch technology are not acceptable.
 - (e) Gaps to be less than 0.007 inch (0.18 mm) between buttons and less than 0.15 inch (3.8 mm) between buttons and faceplate.
 - 4) Button/Engraving Backlighting:
 - (a) Backlighting to be visible through engraved text to provide clear readability in a variety of lighting conditions.
 - (b) Indicate active scene through the intensity of the backlighting (brighter backlit text indicates the active state).
 - (c) Backlight intensity adjustable via programming software; capable of dynamic adjustment during usage based on conditional logic (time of day, button press, etc.).
 - (d) Backlight intensity automatically adjusts based on room ambient light level.
 - 5) Design keypads to allow field-customization of button color and engraving using field-changeable replacement kits.
 - 6) Terminal block inputs to be over-voltage and miswire-protected against wire reversals and shorts.
3. **Single-Scene or Zoned Wired Control:**
 - a. Product: ***Lutron Pico Wired Control***.
 - b. Turn an individual fixture or group of fixtures on and off.
 - c. Raise and lower light levels.
 - d. Recall favorite light levels.
4. **Four-Button Preset Wallstation:**
 - a. Product: ***Lutron EcoSystem CC-4BRL Four-Button Control***.
 - b. Recall four scenes plus all on or all off for one group of fixtures.
 - c. Master raise/lower control for entire group of fixtures.
 - d. Integral IR receiver for personal control.
 - e. Immediate local LED response upon button activation to indicate that a system command has been requested.
5. **Wired Keyswitch:**
 - a. Product: ***Lutron QS Keyswitch***.
 - b. Configuration:
 - 1) Three position, momentary, center position key removal; ***Lutron Model QSW52-KSI-3MOC***.
 - 2) Three position, maintained, center position key removal; ***Lutron Model QSW52-KSI-3MAC***.
 - 3) Two position, maintained, center position key removal; ***Lutron Model QSW52-KSI-2MAC***.

- 4) Two position, maintained, any position key removal; **Lutron Model QSWS2-KSI-2MAA.**
 - c. Allows control of any devices part of the lighting control system.
 - d. Communications: Utilize RS485 wiring for low-voltage communications link.
 - e. Functionality:
 - 1) Allows for easy reprogramming without replacing unit.
 - 2) Requires key insertion to activate actions.
 - f. Engrave keypads with button, zone, and scene descriptions as directed by Engineer.
 - g. Software Configuration:
 - 1) Customizable control station device button functionality:
 - (a) Key positions can be programmed to perform single defined action.
 - (b) Key positions can be programmed using conditional logic off of a state variable such as time of day or partition status.
6. Single Touch Slider Control:
 - a. Product: **Lutron GrafikT QS Slider.**
 - b. Allows control of any single lighting zone in the system.
 - c. Communications: Utilize RS485 wiring for low-voltage communications link.
 - d. Switch Control: Single-touch LED bar for on/off operation.
 - e. Dimmer Control: Single touch LED bar with one portion of bar for on/off operation and one portion for dimmer adjustment.
 - 1) Single touch of light level adjustment control portion of LED bar raises/lowers lights, with new level becoming the current preset level.
 - 2) When off, single touch of on/off control portion of LED bar raises lights to preset level.
 - 3) When on, single touch of on/off control portion of LED bar initiates long fade to off.
 - 4) Provides audible feedback for touch control confirmation.
 - 5) LED bar indicates on/off status and current light level, and functions as locator light when dimmer is off.
 - 6) Provides for customized adjustment of dimmer functions via programming software:
 - (a) High/low end trims.
 - (b) LED brightness.
 - (c) Sound on/off.
 - (d) Off fade time.
 - (e) On fade time.
 - (f) Preset lock capability.
7. Analog Slider Control:
 - a. Product: **Lutron QS Slider Control.**
 - b. Allows control of any lighting zone in the system via intuitive analog slider control.
 - c. Communications: Utilize RS485 wiring for low-voltage communications link.
 - d. Available in 1 to 16 zone configurations.
 - e. Available with or without a take command switch to activate the slider scene.
 - f. Optional keypad ganging.
 - g. Slider zones can be chained in partitioned spaces.
 - h. Engrave keypads with button, zone, and scene descriptions as directed by Engineer.
 - i. Functionality:
 - 1) Full range dimming of individual zones or groups of zones.
 - 2) Zone levels indicated by slider position.
 - 3) Integrates with multi-scene wired control.
- C. Wireless (Radio Frequency) Controls:
 1. Product(s):
 - a. 2-Button Control; **Lutron Pico Wireless Control Model PJ2-2B.**
 - b. 2-Button Control with Night Light; **Lutron Pico Wireless Control Model PJN-2B.**

- c. 2-Button with Raise/Lower Control; <<**Lutron Pico Wireless Control Model PJ2-2BRL**.
- d. 3-Button Control; **Lutron Pico Wireless Control Model PJ2-3B**.
- e. 3-Button with Raise/Lower Control; <<**Lutron Pico Wireless Control Model PJ2-3BRL**.
- f. 3-Button with Raise/Lower Control and Night Light; **Lutron Pico Wireless Control Model PJN-3BRL**.
- g. 4-Button; **Lutron Pico Wireless Control Model PJ2-4B**.
- h. Single Pedestal; **Lutron Pico Pedestal Model L-PED1**.
- i. Double Pedestal; **Lutron Pico Pedestal Model L-PED2**.
- j. Triple Pedestal; **Lutron Pico Pedestal Model L-PED3**.
- k. Quadruple Pedestal; **Lutron Pico Pedestal Model L-PED4**.
- l. Screw Mounting Kit; **Lutron Model PICO-SM-KIT**.
- m. Wallbox Adapter; **Lutron Model PICO-WBX-ADAPT**.
- 2. Quantity: As indicated on the drawings.
- 3. Communicates via radio frequency to compatible dimmers, switches, and plug-in modules.
- 4. Does not require external power packs, power or communication wiring.
- 5. Allows for easy reprogramming without replacing unit.
- 6. Button Programming:
 - a. Single action.
 - b. Toggle action.
 - c. Defined action on press and defined action on release.
- 7. Includes LED to indicate button press or programming mode status.
- 8. Mounting:
 - a. Capable of being mounted with a table stand or directly to a wall under a faceplate.
 - b. Faceplates: Provide concealed mounting hardware.
- 9. Power: Battery-operated with minimum ten-year battery life.
- 10. Finish: As selected by Interior Designer.
- D. Infrared Handheld Controls:
 - 1. Product(s):
 - a. Four-Scene Wireless Infrared Transmitter; **Lutron Model GRX-IT-WH**: Operates up to 50 feet (15 m) line-of-sight to receiver.
 - b. Single-Scene Wireless Infrared Transmitter; **Lutron Model C-FLRC-WH**: Operates up to 12 feet (3.7 m) line-of-sight to receiver.
 - 2. Quantity: As indicated on the drawings.
 - 3. Designed for use in conjunction with compatible infrared receiver and lighting control; compatibility dependent on that receiver, not transmitter.
 - 4. Learnable by other variable frequency remote controls.

2.13 LOW-VOLTAGE CONTROL INTERFACES

- A. Provide low-voltage control interfaces as indicated or as required to control the loads as indicated.
- B. Connects to lighting management hub via RS485.
- C. UL listed.
- D. Contact Closure Interface:
 - 1. Product: **Lutron Model QSE-IO**.
 - 2. The contact closure input device to accept both momentary and maintained contact closures.
 - 3. The contact closure output device can be configured for maintained or pulsed outputs.
 - 4. Contact closure can be programmed using conditional logic off of a state variable such as time of day or partition status.
- E. Wallbox Input Closure Interface:
 - 1. Product: **Lutron Model QSE-CI-WCI**.
 - 2. Mounts in wallbox behind contact closure keypad to provide interface for up to eight contact closure inputs.
 - 3. The contact closure input device to accept both momentary and maintained contact closures.

- F. RS232 and Ethernet Interface:
 - 1. Product: **Lutron Model QSE-CI-NWK-E.**
 - 2. Provide ability to communicate via Ethernet or RS232 to audiovisual equipment, touchscreens, etc.
 - 3. Provide control of:
 - a. Light scene selections.
 - b. Fine-tuning of light scene levels with raise/lower.
 - c. Shade group presets.
 - d. Fine-tuning of shade preset levels with raise/lower.
 - e. Simulate system wall station button presses and releases.
 - 4. Provide status monitoring of:
 - a. Light scene status.
 - b. Shade group status.
 - c. Wall station button presses and releases.
 - d. Wall station LEDs.
 - 5. Provide ability to send custom output strings.
- G. DMX Interface:
 - 1. Product: **Lutron Model QSE-CI-DMX.**
 - 2. Provide ability to:
 - a. Map a single zone intensity to a single DMX512 lighting channel.
 - b. Map a single zone intensity to three DMX512 channels for RGB/CMY color control.
 - c. Map a single zone intensity to a single DMX512 integration channel.
 - d. Smoothly transition from one color to another in a cross fade.
 - e. Automatically sequence through a variety of colors.
 - f. Download, program, and customize a color wheel for each unit.
- H. Sensor Modules:
 - 1. Products:
 - a. Sensor module with both wired and wireless inputs; **Lutron Model QSM2-4W-C.**
 - b. Sensor module with wired inputs only; **Lutron Model QSMX-4W-C.**
 - c. Sensor module with wireless inputs only; **Lutron Model QSM2-XW-C.**
 - 2. Wired Modules:
 - a. Provide wired inputs for:
 - 1) Occupancy sensors.
 - 2) Daylight sensors.
 - 3) IR receivers for personal control.
 - 4) Digital ballast wall stations.
 - 3. Wireless Modules:
 - a. Provide wireless communication inputs for:
 - 1) Occupancy sensors.
 - 2) Daylight sensors.
 - 3) Wireless controller.
 - b. RF Range: 30 feet (9 m) between sensor and compatible RF receiving devices.
 - c. RF Frequency: 434 MHz; operates in FCC governed frequency spectrum for periodic operation; continuous transmission spectrum is not permitted.
 - 4. Communicate sensor information to wired low-voltage digital link for use by compatible devices.

2.14 WIRED SENSORS

- A. Wired Occupancy Sensors:
 - 1. General Requirements:
 - a. Connects directly to compatible ballasts and modules without the need of a power pack or other interface.
 - b. Turns off or reduces lighting automatically after reasonable time delay when a room or area is vacated by the last person to occupy the space.

- c. Accommodates all conditions of space utilization and all irregular work hours and habits.
 - d. Comply with UL 94.
 - e. Self-Adaptive Sensors: Continually adjusts sensitivity and timing to ensure optimal lighting control for any use of the space; furnished with field-adjustable controls for time delay and sensitivity to override any adaptive features.
 - f. Provide capability to:
 - 1) Add additional timeout system-wide without need to make local adjustment on sensor.
 - 2) Group multiple sensors.
 - g. Power Failure Memory: Settings and learned parameters to be saved in non-volatile memory and not lost should power be interrupted and subsequently restored.
 - h. Furnished with all necessary mounting hardware and instructions.
 - i. Class 2 devices.
 - j. Ceiling-Mounted Sensors: Indicate viewing directions on mounting bracket.
 - k. Wall-Mounted Sensors: Provide swivel-mount base.
 - l. Color: White.
2. Wired Passive Infrared Sensors:
- a. Utilize multiple segmented lens, with internal grooves to eliminate dust and residue build-up.
 - b. Ceiling-Mounted Sensors: Provide customizable mask to block off unwanted viewing areas.
 - c. Product(s):
 - 1) Ceiling-Mounted Passive Infrared Sensor, 450 square feet (42 sq m); << **Lutron Model LOS-CIR-450-WH**. Coverage of 450 square feet (42 sq m) with ceiling height of 8 to 12 feet (2.4 to 3.7 m); 360 degree field of view; self-adaptive.
 - 2) Ceiling-Mounted Passive Infrared Sensor, 1500 square feet (140 sq m); << **Lutron Model LOS-CIR-1500-WH**. Coverage of 1500 square feet (140 sq m) with ceiling height of 8 to 12 feet (2.4 to 3.7 m); 360 degree field of view; self-adaptive.
 - 3) Wall-Mounted Passive Infrared Sensor; << **Lutron Model LOS-WIR-WH**. Coverage of 1600 square feet (149 sq m) with ceiling height of 8 to 12 feet (2.4 to 3.7 m); 110 degree field of view; self-adaptive.
 - 4) High Bay Passive Infrared Sensor, Surface-Mounted, 180 Degree; **Lutron Model LUT-WSPSM24V-180-CPN6111**: Coverage radius of 42 feet (13 m) at mounting height of 30 feet (9 m) and 50 feet (15 m) at mounting height of 45 feet (14 m); 180 degree field of view; field-adjustable timeout.
 - 5) High Bay Passive Infrared Sensor, Surface-Mounted, 360 Degree; **Lutron Model LUT-WSPSM24V-360-CPN6111**: Coverage radius of 42 feet (13 m) at mounting height of 30 feet (9 m) and 50 feet (15 m) at mounting height of 45 feet (14 m); 360 degree field of view; field-adjustable timeout.
 - 6) High Bay Passive Infrared Sensor, End-Mounted, 180 Degree; **Lutron Model LUT-WSPSM24V-180-CPN6112**: Coverage radius of 42 feet (13 m) at mounting height of 30 feet (9 m) and 50 feet (15 m) at mounting height of 45 feet (14 m); 180 degree field of view; field-adjustable timeout.
 - 7) High Bay Passive Infrared Sensor, End-Mounted, 360 Degree; **Lutron Model LUT-WSPSM24V-360-CPN6112**: Coverage radius of 42 feet (13 m) at mounting height of 30 feet (9 m) and 50 feet (15 m) at mounting height of 45 feet (14 m); 360 degree field of view; field-adjustable timeout.
 - 8) High Bay Passive Infrared Sensor, Fixture-Mounted, 360 Degree; **Lutron Model FHB140NP24V-CPN5190**: Coverage radius of 42 feet (13 m) at mounting height of 30 feet (9 m) and 50 feet (15 m) at mounting height of 45 feet (14 m); 360 degree field of view; field-adjustable sensitivity and timeout; customizable mask for aisle and end of aisle applications.
3. Wired Ultrasonic Sensors:

- a. Utilize an operating frequency of 32 kHz or 40 kHz, crystal-controlled to operate within plus/minus 0.005 percent tolerance.
- b. Product(s):
 - 1) Ceiling-Mounted Ultrasonic Sensor, 500 square feet (46 sq m); << **Lutron Model LOS-CUS-500-WH**. Coverage of 500 square feet (46 sq m) with ceiling height of 8 to 12 feet (2.4 to 3.7 m); 180 degree field of view; self-adaptive.
 - 2) Ceiling-Mounted Ultrasonic Sensor, 1000 square feet (93 sq m); << **Lutron Model LOS-CUS-1000-WH**. Coverage of 1,000 square feet (93 sq m) with ceiling height of 8 to 12 feet (2.4 to 3.7 m); 180 degree field of view; self-adaptive.
 - 3) Ceiling-Mounted Ultrasonic Sensor, 2000 square feet (186 sq m); << **Lutron Model LOS-CUS-2000-WH**. Coverage of 2000 square feet (186 sq m) with ceiling height of 8 to 12 feet (2.4 to 3.7 m); 360 degree field of view; self-adaptive.
4. Wired Dual Technology Sensors:
 - a. Passive Infrared: Utilize multiple segmented lens, with internal grooves to eliminate dust and residue build-up.
 - b. Ultrasonic: Utilize an operating frequency of 32 kHz or 40 kHz, crystal-controlled to operate within plus/minus 0.005 percent tolerance.
 - c. Ceiling-Mounted Sensors: Provide customizable mask to block off unwanted viewing areas.
 - d. Isolated Relay: Provide an internal additional isolated relay with Normally Open, Normally Closed, and Common outputs for use with HVAC control, Data Logging and other control options where required.
 - e. Integral Photocell: Provide an integral photocell with adjustable sensitivity to prevent lights from turning on when there is sufficient natural light<< **where indicated**>>.
 - f. Product(s), Without Isolated Relay and Integral Photocell:
 - 1) Ceiling-Mounted Dual Technology Sensor, 500 square feet (46 sq m); << **Lutron Model LOS-CDT-500-WH**. Coverage of 500 square feet (46 sq m) with ceiling height of 8 to 12 feet (2.4 to 3.7 m); 180 degree field of view; self-adaptive.
 - 2) Ceiling-Mounted Dual Technology Sensor, 1000 square feet (93 sq m); << **Lutron Model LOS-CDT-1000-WH**. Coverage of 1000 square feet (93 sq m) with ceiling height of 8 to 12 feet (2.4 to 3.7 m); 180 degree field of view; self-adaptive.
 - 3) Ceiling-Mounted Dual Technology Sensor, 2000 square feet (186 sq m); << **Lutron Model LOS-CDT-2000-WH**. Coverage of 2000 square feet (186 sq m) with ceiling height of 8 to 12 feet (2.4 to 3.7 m); 360 degree field of view; self-adaptive.
 - 4) Wall-Mounted Dual Technology Sensor; << **Lutron Model LOS-WDT-WH**. Coverage of 1600 square feet (149 sq m) with ceiling height of 8 to 12 feet (2.4 to 3.7 m); 110 degree field of view; self-adaptive.
 - g. Product(s), With Isolated Relay and Integral Photocell:
 - 1) Ceiling-Mounted Dual Technology Sensor, 500 square feet (46 sq m); << **Lutron Model LOS-CDT-500R-WH**. Coverage of 500 square feet (46 sq m) with ceiling height of 8 to 12 feet (2.4 to 3.7 m); 180 degree field of view; with isolated relay and integral photocell; self-adaptive.
 - 2) Ceiling-Mounted Dual Technology Sensor, 1000 square feet (93 sq m); << **Lutron Model LOS-CDT-1000R-WH**. Coverage of 1000 square feet (93 sq m) with ceiling height of 8 to 12 feet (2.4 to 3.7 m); 180 degree field of view; with isolated relay and integral photocell; self-adaptive.
 - 3) Ceiling-Mounted Dual Technology Sensor, 2000 square feet (186 sq m); << **Lutron Model LOS-CDT-2000R-WH**. Coverage of 2000 square feet (186 sq m) with ceiling height of 8 to 12 feet (2.4 to 3.7 m); 360 degree field of view; with isolated relay and integral photocell; self-adaptive.

- 4) Wall-Mounted Dual Technology Sensor; << **Lutron Model LOS-WDT-R-WH.** Coverage of 1600 square feet (149 sq m) with ceiling height of 8 to 12 feet (2.4 to 3.7 m); 110 degree field of view; with isolated relay and integral photocell; self-adaptive.
- B. Sensor Power Packs:
1. Product(s):
 - a. 347 VAC power input/24 VDC, 100 mA power output; 15 A ballast (347 V) relay contact rating; **Lutron Model PP-347H Power Pack.**
 - b. 120-277 VAC power input/24 VDC, 150 mA power output; 16 A lighting (120-177 V), 1 HP motor (120-277 V) relay contact rating; << **Lutron Model PP-DV Power Pack.**
 - c. 120-277 VAC power input (manual)/24 VDC, 150 mA power output; 16 A lighting (120-177 V), 1 HP motor (120-277 V) relay contact rating; << **Lutron Model PP-DV-M Power Pack.**
 - d. Control relay only (no power input/output); requires another power pack for power and counts as one of three sensors connected to a power pack; 16 A lighting (120-277 V), 1 HP motor (120-277 V), 15 A ballast (347 V) relay contact rating; << **Lutron Model PP-SH Power Pack.**
 2. Provide sensor power packs where required for power connection to sensors.
 3. For ease of mounting, installation and future service, power pack(s) to be able to mount through a 1/2 inch knockout in a standard electrical enclosure and be an integrated, self-contained unit consisting internally of an isolated load switching control relay and a transformer to provide low-voltage power. Transformer to provide power to a minimum of three sensors.
 4. Plenum-rated.
 5. Control Wiring Between Sensors and Control Units: Class 2, 18-24 AWG, stranded UL Classified, PVC insulated or TEFLON jacketed cable suitable for use in plenums, where applicable.
- C. Infrared Receivers:
1. Product: **Lutron Model EC-IR-WH.**
 2. Use Class 2 wiring for low voltage communication.
 3. Can be replaced without reprogramming.
 4. 360 degree reception of wireless infrared remote controls.
 5. Immediate local LED response upon reception of handheld transmitter communication.
 6. Mountable on lighting fixtures or recessed acoustical ceiling tiles.
 7. Constructed via sonic welding.
 8. Color: White.
- D. Wired Daylight Sensors:
1. Digital Interior Daylight Sensor:
 - a. Product: **Lutron Model EC-DIR-WH.**
 - b. Use Class 2 wiring for low voltage communication.
 - c. Can be replaced without reprogramming.
 - d. Open-loop basis for daylight sensor control scheme.
 - e. Stable output over temperature from 32 degrees F (0 degrees C) to 104 degrees F (40 degrees C).
 - f. Partially shielded for accurate detection of available daylight to prevent fixture lighting and horizontal light component from skewing sensor detection.
 - g. Provide linear response from 0 to 500 footcandles.
 - h. Integral IR receiver for personal control.
 - i. Mountable on lighting fixtures or recessed acoustical ceiling tiles.
 - j. Constructed via sonic welding.
 - k. Color: White.
 2. Daylight Control Package:
 - a. Product: **Lutron CES Series (Lutron CES Analog Sensor, LC8 Controller, and Power Pack).**
 - b. Controller:

- 1) Product: **Lutron Model LC8.**
 - 2) Automatically switches a dry contact according to changes in ambient light levels.
 - 3) Fully adjustable separate high and low setpoints, with an adjustable dead band between set points to prevent unwanted cycling.
 - 4) Input time delay to prevent unwanted cycling due to intermittent light level fluctuations.
 - 5) Signal/setpoint and relay status indication.
 - 6) Sensor calibration input.
- c. Sensors:
- 1) Class 2, three-wire analog devices.
 - 2) Provision for zero or offset based signal.
 - 3) Indoor Photo Sensors; **Lutron Model CES/II**: With fresnel lens and 60 degree cone of response; sensor range of 0 to 750 footcandles.
 - 4) Outdoor Photo Sensors; **Lutron Model CES/O**: Weatherproof, with hood over aperture to shield sensor from direct sunlight; sensor range of 0 to 750 footcandles.
 - 5) Atrium Photo Sensors; **Lutron Model CES/A**: With translucent dome and 180 degree field of view; sensor range of 2 to 2,500 footcandles.
 - 6) Skylight Photo Sensors; **Lutron Model CES/S**: With translucent dome and 180 degree field of view; sensor range of 10 to 7,500 footcandles.
- E. Infrared Partition Sensors:
1. Product: **Lutron Model GRX-IRPS-WH.**
 2. Provide contact closure based on status of the partition wall (open/close) enabling automatic linking of controls.

2.15 WIRELESS SENSORS

- A. General Requirements:
1. Operational life of 10 years without the need to replace batteries when installed per manufacturer's instructions.
 2. Communicates directly to compatible RF receiving devices through use of a radio frequency communications link.
 3. Does not require external power packs, power wiring, or communication wiring.
 4. Capable of being placed in test mode to verify correct operation from the face of the unit.
 5. RF Range: 30 feet (9 m) between sensor and compatible RF receiving device(s).
 6. Electromagnetic Interference/Radio Frequency Interference (EMI/RFI) Limits: Comply with FCC requirements of CFR, Title 47, Part 15, for Class B application.
- B. Wireless Occupancy/Vacancy Sensors:
1. General Requirements:
 - a. Provides a clearly visible method of indication to verify that motion is being detected during testing and that the unit is communicating to compatible RF receiving devices.
 - b. Utilize multiple segmented lens, with internal grooves to eliminate dust and residue build-up.
 - c. Sensing Mechanism: Passive infrared coupled with technology for sensing fine motions; **Lutron XCT Technology**. Signal processing technology detects fine-motion passive infrared (PIR) signals without the need to change the sensor's sensitivity threshold.
 - d. Provide optional, readily accessible, user-adjustable controls for timeout, automatic/manual-on, and sensitivity.
 - e. Turns off lighting after reasonable and adjustable time delay once the last person to occupy the space vacates a room or area. Provide adjustable timeout settings of 1, 5, 15, and 30 minutes.
 - f. Capable of turning dimmer's lighting load on to an optional locked preset level selectable by the user. Locked preset range to be selectable on the dimmer from 1 percent to 100 percent.

- g. Color: White.
 - h. Provide all necessary mounting hardware and instructions for both temporary and permanent mounting.
 - i. Provide temporary mounting means to allow user to check proper performance and relocate as needed before permanently mounting sensor. Temporary mounting method to be design for easy, damage-free removal.
 - j. Sensor lens to illuminate during test mode when motion is detected to allow installer to verify coverage prior to permanent mounting.
 - k. Ceiling-Mounted Sensors:
 - 1) Provide surface mounting bracket compatible with drywall, plaster, wood, concrete, and compressed fiber ceilings.
 - 2) Provide recessed mounting bracket compatible with drywall and compressed fiber ceilings.
 - 3) Provide customizable mask to block off unwanted viewing areas.
 - l. Wall-Mounted Sensors: Provide wall or corner mounting brackets compatible with drywall and plaster walls.
2. Wireless Combination Occupancy/Vacancy Sensors:
- a. Ceiling-Mounted Sensors: Programmable to operate as an occupancy sensor (automatic-on and automatic-off), an occupancy sensor with low light feature (automatic-on when less than one footcandle of ambient light available and automatic-off), or a vacancy sensor (manual-on and automatic-off).
 - b. Wall-Mounted Sensors: Programmable to operate as an occupancy sensor (automatic-on and automatic-off), or a vacancy sensor (manual-on and automatic-off).
 - c. Product(s):
 - 1) Ceiling-Mounted Occupancy/Vacancy Sensor; << **Lutron Radio Powr Savr Series, Model LFR2-OCR2B-P-WH**. Coverage from 324 square feet (30.2 sq m) to 676 square feet (62.4 sq m) depending on ceiling height from 8 to 12 feet (2.4 to 3.7 m); 360 degree field of view.
 - 2) Wall-Mounted Occupancy/Vacancy Sensor; << **Lutron Radio Powr Savr Series, Model LFR2-OWLB-P-WH**. Minor motion coverage of 1500 square feet (139.4 sq m) and major motion coverage of 3000 square feet (278.7 sq m) with mounting height of 6 to 8 feet (1.8 to 2.4 m); 180 degree field of view.
 - 3) Corner-Mounted Occupancy/Vacancy Sensor; << **Lutron Radio Powr Savr Series, Model LFR2-OKLB-P-WH**. Minor motion coverage of 1225 square feet (113.8 sq m) and major motion coverage of 2500 square feet (232.3 sq m) with mounting height of 6 to 8 feet (1.8 to 2.4 m); 90 degree field of view.
 - 4) Hallway Occupancy/Vacancy Sensor; << **Lutron Radio Powr Savr Series, Model LFR2-OHLB-P-WH**. Major motion coverage of up to 150 feet (45.7 m) with mounting height of 6 to 8 feet (1.8 to 2.4 m); narrow field of view.
3. Wireless Vacancy-Only Sensors:
- a. Operates only as a vacancy sensor (manual-on and automatic-off).
 - b. Product(s):
 - 1) Ceiling-Mounted Vacancy-Only Sensor; << **Lutron Radio Powr Savr Series, Model LFR2-VCR2B-P-WH**. Coverage from 324 square feet (30.2 sq m) to 676 square feet (62.4 sq m) depending on ceiling height from 8 to 12 feet (2.4 to 3.7 m); 360 degree field of view.
 - 2) Wall-Mounted Vacancy-Only Sensor; << **Lutron Radio Powr Savr Series, Model LFR2-VWLB-P-WH; or Lutron Radio Powr Savr Series, Model ULFR2-VWLB-P-WH (BAA-Buy American Act Compliant)>>**: Minor motion coverage of 1500 square feet (139.4 sq m) and major motion coverage of 3000 square feet (278.7 sq m) with mounting height of 6 to 8 feet (1.8 to 2.4 m); 180 degree field of view.
 - 3) Corner-Mounted Vacancy-Only Sensor; << **Lutron Radio Powr Savr Series, Model LFR2-VKLB-P-WH**. Minor motion coverage of 1225 square feet (113.8

- sq m) and major motion coverage of 2500 square feet (232.3 sq m) with mounting height of 6 to 8 feet (1.8 to 2.4 m); 90 degree field of view.
- 4) Hallway Vacancy-Only Sensor; << **Lutron Radio Powr Savr Series, Model LFR2-VHLB-P-WH**. Major motion coverage of up to 150 feet (45.7 m) with mounting height of 6 to 8 feet (1.8 to 2.4 m); narrow field of view.
- C. Wireless Daylight Sensors:
1. Product: **Lutron Model LFR2-DCRB**.
 2. Open-loop basis for daylight sensor control scheme.
 3. Stable output over temperature from 32 degrees F (0 degrees C) to 104 degrees F (40 degrees C).
 4. Partially shielded for accurate detection of available daylight to prevent fixture lighting and horizontal light component from skewing sensor detection.
 5. Provide linear response from 0 to 10,000 footcandles.
 6. Color: White.
 7. Mounting:
 - a. Provide surface mounting bracket compatible with drywall, plaster, wood, concrete, and compressed fiber ceilings.
 - b. Provide all necessary mounting hardware and instructions for both temporary and permanent mounting.
 - c. Provide temporary mounting means to allow user to check proper performance and relocate as needed before permanently mounting sensor. Temporary mounting method to be design for easy, damage-free removal.

2.16 ACCESSORIES

- A. Emergency Lighting Interface:
1. Product: **Lutron Model LUT-ELI**.
 2. Provides total system listing to UL 924 when used with lighting control system.
 3. Senses all three phases of building power.
 4. Provides an output to power panels or digital ballast interfaces if power on any phase fails and sends all lights controlled by these devices to an emergency light level setting or 100 percent intensity. Lights to return to their previous intensities when normal power is restored.
 5. Accepts a contact closure input from a fire alarm control panel.
- B. Provide power supplies as indicated or as required to power system devices and accessories.
1. Product(s):
 - a. Junction box-mounted power supply for shades, keypads, and accessories, and for providing additional low voltage power to communication link; **Lutron Model QSPS-J-I-35V**; with miswire and thermal protection.
 - b. Plug-in power supply for shades, drapery drive units, keypads, and accessories, and for providing additional low voltage power to communication link; **Lutron Model QSPS-PI-I-35V**; with miswire protection; powered from standard receptacle using cord 6 feet (1.8 m) in length; complies with DOE Level VI regulation.
 - c. Ten output power supply panel for shades, drapery drive units, keypads and accessories, and for providing additional low voltage power to communication link; **Lutron Model QSPS-I0PNL**; no replaceable fuses required for overload/miswire protection; contains DOE Level VI Compliant power supplies.
 - d. Power supply for keypads and accessories (not for shades/window treatments), and for providing additional low voltage power to communication link; **Lutron Model QSPS-DH-I-75**.
- C. Provide locking covers for controls where indicated.
1. Reversible to allow lock to be located on either side of control.
 2. Compatible with IR controls.
 3. Does not reduce specified IR range by more than 50 percent of its original specification.
 4. Product(s):
 - a. I-gang device for compatible **Lutron QS** keypads; **Lutron Model GRX-IGLC**.

- b. 4-gang device for **Lutron Grafik Eye QS** main units; **Lutron Model QSG-4GLC**.

2.17 SOURCE QUALITY CONTROL

- A. See Division 01 Specifications for quality requirements and additional requirements.
- B. Factory Testing: **Lutron Standard Factory Testing:**
 - 1. Perform full-function factory testing on all completed assemblies. Statistical sampling is not acceptable.
 - 2. Perform full-function factory testing on 100 percent of all ballasts and LED drivers.
 - 3. Perform factory audit burn-in of all dimming assemblies and panels at 104 degrees F (40 degrees C) at full load for two hours.
 - 4. Perform factory burn-in of 100 percent of all ballasts at 104 degrees F (40 degrees C).

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Verify that field measurements are as shown on the drawings.
- B. Verify that ratings and configurations of system components are consistent with the indicated requirements.
- C. Verify that mounting surfaces are ready to receive system components.
- D. Verify that conditions are satisfactory for installation prior to starting work.

3.02 INSTALLATION

- A. Perform work in a neat and workmanlike manner in accordance with NECA I and, where applicable, NECA I30.
- B. Install products in accordance with manufacturer's instructions.
- C. Provide dedicated network between lighting management system computer and lighting management hubs.
- D. Define each dimmer/relay load type, assign each load to a zone, and set control functions.
- E. Sensor Locations:
 - 1. Where Lighting Control Manufacturer Sensor Layout and Tuning service is specified in Part 2 under "DIGITAL-NETWORK LIGHTING CONTROL SYSTEM - GENERAL REQUIREMENTS", locate sensors in accordance with layout provided by Lighting Control Manufacturer. Lighting Control Manufacturer may direct Contractor regarding sensor relocation should conditions require a deviation from locations indicated. Where Lighting Control Manufacturer Sensor Layout and Tuning service is not specified, locate sensors in accordance with Drawings.
 - 2. Sensor locations indicated are diagrammatic. Within the design intent, reasonably minor adjustments to locations may be made in order to optimize coverage and avoid conflicts or problems affecting coverage, in accordance with manufacturer's recommendations.
- F. Mount exterior daylight sensors to point due north with constant view of daylight.
- G. Ensure that daylight sensor placement minimizes sensor view of electric light sources. Locate ceiling-mounted and luminaire-mounted daylight sensors to avoid direct view of luminaires.
- H. Automated Shade Control Sensors:
 - 1. Mount rooftop cloudy day sensors to point in the direction of each facade.
 - 2. Ensure that window shadow sensor placement provides an unobstructed view of outdoors. Do not place at a skylight or above indirect luminaires.
- I. Lamp Burn-In: Operate lamps at full output for prescribed period per manufacturer's recommendations prior to use with any dimming controls. Replace lamps that fail prematurely due to improper lamp burn-in.
- J. Lamp Lead Lengths: Do not exceed 3 feet (0.9 m) for T4 4-pin compact and T5 BIAx lamps and 7 feet (2.1 m) for T5, T5-HO, T8 U-bend, and T8 linear fluorescent lamps.
- K. LED Light Engine/Array Lead Length: Do not exceed 100 feet (31 m).

- L. System and Network Integration Consultation; **Lutron LSC-INT-VISIT**: Include as part of the base bid additional costs for Lighting Control Manufacturer to conduct meeting with facility representative and other related equipment manufacturers to discuss equipment and integration procedures.
 - 1. Coordinate scheduling of visit with Lighting Control Manufacturer. Manufacturer recommends that this visit be scheduled early in construction phase, after system purchase but prior to system installation.
- M. Identify system components.

3.03 FIELD QUALITY CONTROL

- A. See Division 01 specifications for additional requirements.
- B. Manufacturer's Startup Services; **Lutron Standard Startup Services**:
 - 1. Manufacturer's authorized Service Representative to conduct minimum of two site visits to ensure proper system installation and operation.
 - 2. Conduct Pre-Installation visit to review requirements with installer as specified in Part I under "Administrative Requirements".
 - 3. Conduct second site visit upon completion of lighting control system to perform system startup and verify proper operation:
 - a. Where Lighting Control Manufacturer Sensor Layout and Tuning service is specified in Part 2 under "DIGITAL-NETWORK LIGHTING CONTROL SYSTEM – GENERAL REQUIREMENTS", authorized Service Representative to verify sensor locations, in accordance with layout provided by Lighting Control Manufacturer; Lighting Control Manufacturer may direct Contractor regarding sensor relocation should conditions require a deviation from locations indicated.
 - b. Verify connection of power wiring and load circuits.
 - c. Verify connection and location of controls.
 - d. Energize lighting management hubs and download system data program.
 - e. Address devices.
 - f. Verify proper connection of panel links (low voltage/data) and address panel.
 - g. Download system panel data to dimming/switching panels.
 - h. Check dimming panel load types and currents and supervise removal of by-pass jumpers.
 - i. Verify system operation control by control.
 - j. Verify proper operation of manufacturer's interfacing equipment.
 - k. Verify proper operation of manufacturer's supplied PC and installed programs.
 - l. Configure initial groupings of ballast for wall controls, daylight sensors and occupancy sensors.
 - m. Provide initial rough calibration of sensors; fine-tuning of sensors is responsibility of Contractor unless provided by Lighting Control Manufacturer as part of Sensor Layout and Tuning service where specified in Part 2 under "DIGITAL-NETWORK LIGHTING CONTROL SYSTEM - GENERAL REQUIREMENTS".
 - n. Train Owner's representative on system capabilities, operation, and maintenance, as specified in Part 3 under "Closeout Activities".
 - o. Obtain sign-off on system functions.
 - p. After Hours Startup; **Lutron LSC-AH-SU**: Include as part of the base bid; as an alternate to the base bid additional costs to perform manufacturer's startup procedures outside normal working hours (Monday through Friday, 7am to 5pm).
- C. Correct defective work, adjust for proper operation, and retest until entire system complies with contract documents.

3.04 ADJUSTING

- A. On-Site Scene and Level Tuning; **Lutron LSC-AF-VISIT**: Include as part of the base bid; additional costs for Lighting Control Manufacturer to visit site to conduct meeting with Engineer; Owner's

representative; and/or Lighting Designer to make required lighting adjustments to the system for conformance with original design intent.

- B. Sensor Fine-Tuning: Where Lighting Control Manufacturer Sensor Layout and Tuning service is specified in Part 2 under "DIGITAL-NETWORK LIGHTING CONTROL SYSTEM – GENERAL REQUIREMENTS", Lighting Control Manufacturer to provide up to two additional post-startup on-site service visits for fine-tuning of sensor calibration. Where Lighting Control Manufacturer Sensor Layout and Tuning service is not specified, Contractor to provide fine-tuning of sensor calibration.

3.05 CLEANING

- A. Clean exposed surfaces to remove dirt, paint, or other foreign material and restore to match original factory finish.

3.06 COMMISSIONING

- A. See Division 01 specifications for commissioning requirements.

3.07 CLOSEOUT ACTIVITIES

- A. See Division 01 specification for requirements for closeout submittals.
- B. See Division 01 specifications for additional training requirements.
- C. Demonstration:
 - 1. On-Site Performance-Verification Walkthrough; **Lutron LSC-WALK**: Include as part of the base bid, additional costs for lighting control manufacturer to provide on-site demonstration of system functionality to commissioning agent and facility representative.
- D. Training:
 - 1. Include services of manufacturer's authorized Service Representative to perform on-site training of Owner's personnel on operation, adjustment, and maintenance of lighting control system as part of standard system start-up services.
 - a. Include training on software to be provided:
 - 1) Configuration software used to make system programming and configuration changes.
 - 2) Control and monitor.
 - 3) Energy savings display software.
 - 4) Personal web-based control software.
 - 2. Customer-Site Solution Training Visit; **Lutron LSC-TRAINING**: Include as part of the base bid, additional costs for Lighting Control Manufacturer to provide (2) separate, non-concurrent day(s) of additional on-site system training.

3.08 PROTECTION

- A. Protect installed products from subsequent construction operations.

3.09 MAINTENANCE

- A. See Division 01 specification for additional requirements relating to maintenance service.
- B. Software Maintenance Agreement; **Lutron LSC-SMA**: Include as part of the base bid, additional costs for manufacturer to provide quarterly compatibility testing results for PC-based lighting control software and new patches issued for Microsoft Operating System, Database, and Browser tools.
 - 1. If new Microsoft patches create a software conflict, manufacturer to provide lighting control software patches to ensure continued operation.
- C. System Optimization Visit; **Lutron LSC-SYSOPT**: Include as part of the base bid, additional costs for Lighting Control System Manufacturer to visit site six months after system start-up to evaluate system usage and discuss opportunities to make efficiency improvements that will fit with the current use of the facility.

April 21, 2023

Staybridge Suites
Springfield, Missouri

END OF SECTION

SECTION 269000 - FIRE ALARM SYSTEM

PART I - GENERAL

I.1 SCOPE AND RELATED DOCUMENTS

- A. The work covered by this section of the specifications includes the furnishing of all labor, equipment, materials, and performance of all operations in connection with the installation of the Fire Alarm System as shown on the drawings and as herein specified.
- B. The requirements of the conditions of the Contract, Supplementary Conditions and General Requirements, apply to the work specified in this section.
- C. The complete installation is to conform to the applicable sections of NFPA-72, NFPA 71, Local Code Requirements and National Electrical Code with particular attention to Article 760. The complete installation shall also conform to the latest version of the Marriott Design Standards Module 14.
- D. Additionally, the entire installed system and all integrated system operations shall be within the guidelines of the SBCCI Standard Building Code.
- E. The work covered by this section of the specifications is to be coordinated with the related work as specified elsewhere under the project specifications.

I.2 QUALITY ASSURANCE

- A. Each and all items of the Fire Alarm System shall be listed as a product of a SINGLE fire alarm system manufacturer under the appropriate category by Underwriters' Laboratories, Inc. (UL), and shall bear the "U.L." label. All control equipment is to be listed under UL category UOJZ as a single control unit. Partial listing shall NOT be acceptable.
- B. The equipment and installation supervision furnished under this specification shall be provided by a manufacturer-certified installer who has been engaged in installation of this type (software driven) of equipment for at least ten (10) years. There shall be a manufacturer-certified and fully-equipped service organization within one hundred (100) miles of the installation.
- C. All control equipment must have transient protection devices to comply with UL864 requirements.
- D. In addition to the UL-UOJZ requirement mentioned above, the system controls shall be UL listed for Power Limited Applications per NEC 760. All circuits must be marked in accordance with NEC article 760-23.

I.3 GENERAL

- A. Furnish and install a complete Fire Alarm Systems as described herein and as shown on the plans; to be wired, connected, and left in first class operating condition. The system shall use closed loop initiating device circuits with individual zone supervision, individual indicating appliance circuit supervision, incoming and standby power supervision. Include a control panel, manual pull stations, automatic fire detectors, speakers, flashing lights annunciator, all wiring, connections to devices, outlet boxes, junction boxes, and all other necessary material for a complete operating system.
- B. The fire alarm control panel shall allow for loading or editing special instructions and operating sequences as required. The system is to be capable of on site programming to accommodate and facilitate expansion, building parameter changes or changes as required by local codes. All software operations is to be stored in a non-volatile programmable memory within the fire alarm control panel. Loss of primary and secondary power shall not erase the instructions stored in memory. The ability for selective input/output control functions based on ANDing, ORing, NOTing, timing and special coded operations is to also be incorporate in the resident software programming of the system.

- C. To accommodate and facilitate job site changes, initiation circuits shall be individually configurable on site to provide either alarm/trouble operation, alarm only, trouble only, current limited alarm, no alarm, normally closed device monitoring, a non-latching circuit or a alarm verification circuit.
- D. All panels and peripheral devices shall be the standard product of a single manufacturer and shall display the manufacturer's name on each component. The catalog numbers specified under this section are those of Simplex Time Recorder Co. and constitute the type, product quality, material, and desired operating features.
- E. Manufacturer's shall be Simplex, Siemens, Notifier or Edwards (EST).

I.4 OPERATION

- A. Under normal condition the front panel shall display a "SYSTEM NORMAL" message and the current time and date.
- B. Should an abnormal condition be detected the appropriate LED (Alarm, Supervisory, or Trouble) shall flash. The panel audible signal shall pulse for alarm conditions and sound steadily for trouble and supervisory conditions.
- C. The panel shall display the following information relative to the abnormal condition of a point in the system:
 - 1. Custom location label (40 characters minimum)
 - 2. Type of device (i.e. smoke, pull station, waterflow)
 - 3. Point status (i.e. alarm, trouble)

These three characteristics relative to an abnormal condition of a point shall be displayed simultaneously. Systems not capable of such a display on the panel faceplate shall include a CRT display meeting the above requirements and battery backup for the CRT.

- D. Pressing the appropriate acknowledge button shall acknowledge the alarm or trouble condition. The acknowledge functions may be passcode protected if the user has insufficient privilege to acknowledge such conditions. After all the points have been acknowledged, the LEDs shall glow steady and the panel audible signal will be silenced.
- E. The total number of alarms, supervisory, and trouble conditions shall be displayed along with a prompt to review each list chronologically. The end of the list shall be indicated.

F. Alarm Silencing

- 1. Should the "Alarm Silence" button be pressed all alarm signals shall cease operation.
- 2. Signals shall not be silenced during alarm silence inhibit mode.

G. System Reset

- 1. The "System Reset" button shall be used to return the system to its normal state after an alarm condition has been remedied. The display shall step the user through the reset process with simple English language messages. Messages shall provide operator assurance of the sequential steps (i.e.: "IN PROGRESS", "RESET COMPLETED", and "SYSTEM NORMAL") as they occur, should all alarm conditions be cleared.
- 2. Should an alarm condition continue to exist, the system will remain in an abnormal state. System control relays shall not reset. The panel audible signal and the Alarm LED shall be on. The display will indicate the total number of alarms and troubles present in the system

along with a prompting to review the points. These points will not require acknowledgment if they were previously acknowledged.

3. Should the Alarm Silence Inhibit function be active, the "System Reset" key press will be ignored and a "RESET INHIBITED" message will be displayed for a short time to indicate the action was not taken. For operator assurance, a "RESET NO LONGER INHIBITED" message will be displayed when the inhibit function times out.

H. Function Keys

1. Additional function keys shall be provided to access status data for all II system points. As a minimum the status data shall include Disable/Enable Status, Verification Tallies of Initiating Devices, Acknowledge Status, etc.

I. History Logging

1. In addition to any required printer output, the control panel shall have the ability to store a minimum of three hundred (300) events in an alarm log plus a minimum of three hundred (300) events in a separate trouble log. These events shall be stored in a battery protect random access memory (RAM). Systems not having discrete alarm and trouble logging memory shall include an alternate supervised (eg: floppy drive, tape cassette) historic recording method with battery backup. Real time and date shall accompany all history event recording.

J. Walk Test with History Logging

1. The system shall be capable of being tested by one person. While in testing mode, the alarm activation of an initiating device circuit shall be silently logged as an alarm condition in the historical data file. The panel shall automatically reset itself after logging of the alarm.
2. The momentary disconnection of an initiating or indicating device circuit shall be silently logged as a trouble condition in the historical data file. The panel shall automatically reset itself after logging of the trouble condition.
3. Should the walk test feature be on for an inappropriate amount of time, it shall revert to the normal mode automatically.
4. Suppliers of systems not having this feature as functionally specified above shall include a testing agreement meeting the requirements of NFPA-72 in their base bid quotation. As a minimum, two (2) years of scheduled testing shall be included.

K. LED Supervision

1. All slave module LEDs shall be supervised for burnout or disarrangement. Should a problem occur, the panel shall display the module and the LED location numbers to facilitate location of that LED.

L. System Trouble Reminder

1. Should a trouble condition be present within the system and the audible trouble signal silenced, the trouble signal shall resound at preprogrammed time intervals to act as a reminder that the fire alarm system is not 100% operational. Both the time interval and the trouble reminder signal shall be programmable to suit the owner's application.

M. Access Levels

1. There shall be a minimum of four (4) access levels. Passcodes shall consist of up to ten (10) digits. Changes to passcodes shall only be made by authorized personnel. Systems not capable of password protected manual command operations shall provide key operated switches for these functions. Function key switches shall be keyed differently from any other keyed switches or locks used within the system.
2. Access to a level will only allow the operator to perform all actions within that level and all actions of lower levels, not higher levels.
3. The following keys/switches shall have access levels associated with them:
 - Alarm Silence
 - System Reset
 - Set Time/Date
 - Manual Control
 - On/Off/Auto Control
 - Disable/Enable
 - Clear Historical Alarm Log
 - Clear Historical Trouble Log
 - Walk Test
 - Change Alarm Verification
4. Acknowledge keys shall also require privileged access to acknowledge points. If the operator presses an acknowledge key with insufficient access, an error message will be displayed. The points will scroll with each key press to view the points on the list, but the points will not get acknowledged in the database.

N. Detection Operation

1. Smoke sensors shall be smoke density measuring devices having no self contained alarm set point (fixed threshold). The alarm decision for each sensor shall be determined by the control panel. The control panel shall determine the condition of each sensor by comparing the sensor value to the stored values.
2. The control panel shall maintain a moving average of the sensors' smoke chamber value to automatically compensate (move the threshold) for dust and dirty conditions that could affect detection operations. The system shall automatically maintain a constant smoke obscuration sensitivity for each sensor (via the floating threshold) by compensating for environmental factors. The smoke obscuration sensitivity shall be adjustable to within 0.3% of either limit of the UL window (0.5% to 4.0%) to compensate for any environment.
3. The system shall automatically indicate when an individual sensor needs cleaning. When a sensor's average value reaches a predetermined value, a "DIRTY SENSOR" trouble condition shall be audibly and visually indicated at the control panel for the individual sensor. Additionally, the LED on the sensor base shall glow steady giving a visible indication at the sensor location. If a "DIRTY SENSOR" is left unattended, and its average value increases to a second predetermined value, an "EXCESSIVELY DIRTY SENSOR" trouble condition shall be indicated at the control panel for the individual sensor. To prevent false alarms, these "DIRTY" conditions shall in no way decrease the amount of smoke obscuration necessary for system activation.
4. The control panel shall continuously perform an automatic self-test routine on each sensor which will functionally check sensor electronics and ensure the accuracy of the values being

transmitted to the control panel. Any sensor that fails this test shall indicate a "SELF TEST ABNORMAL" trouble condition with the sensor location at the control panel.

5. An operator at the control panel, having a proper access level, shall have the capability to manually access the following information for each sensor:
- primary status
 - device type
 - present average value
 - present sensitivity selected *
 - peak detection values *
 - sensor range (normal, dirty, etc.)

* Values shall be in "percent of smoke obscuration" format so that no interpretation is required by the operator.

6. If the proposed system does not have the capabilities defined in paragraphs 1.4-n-1 through 1.4-n-5, a maintenance and testing service providing the following shall be included with the base bid:
- a. Bi-annual sensitivity reading and logging for each sensor. This is to be accomplished by use of a UL listed sensitivity calibration device per the requirement of NFPA-72.
 - b. Scheduled bi-annual threshold adjustments to maintain proper sensitivity for each smoke detector.
 - c. Threshold adjustment to any smoke detector that has alarmed the system without the presence of particles of combustion. This service shall be performed within 4 hours of any such occurrence.
 - d. Scheduled bi-annual cleaning or replacement of each smoke detector or sensor within the system.
 - e. If any device alarms the system without the presence of particles of combustion twice within 30 days, it shall be cleaned or replaced.
 - f. Semi-annual functional testing of each detector using the manufacturer's calibrated test tool (Unmeasured smoke or aerosol injection shall not be permitted).
 - g. Written documentation of all testing, cleaning, replacing, threshold adjustment, and sensitivity reading for each automatic smoke sensing device within the system. The initial service included in the bid price shall provide the above listed procedures for a period of five years after owner acceptance of system.
7. An operator at the control panel, having a proper access level, shall have the capability to manually control the following for each sensor:
- clear peak detection values
 - enable or disable the point
 - clear verification tally
 - control a sensor's relay driver output
8. It shall be possible to program the control panel to automatically change the sensitivity settings of each sensor based on time-of-day and day-of-week (for example, to be more sensitive during unoccupied times and less sensitive during occupied periods). There shall be seven (7) sensitivity settings available for each sensor.

9. The control panel shall have the capability of being programmed for a pre-alarm or two-stage function. This function allows an indication to occur when, for example, a 3% sensor reaches a threshold of 1.5% smoke obscuration.
10. At least 500 individually identified sensors as well as conventional initiating device and indicating appliance circuits shall be supported within a single control panel.
11. For increased smoke detection assurance, all individually addressed smoke sensors shall be provided with alarm verification. Only a verified alarm shall initiate the alarm sequence operation.

O. RS-232-C Output

The Fire Alarm Control Panel shall be capable of operating remote CRT's and/or printers. The output shall be paralleled ASCII from an EIA RS-232-C connection with an adjustable baud rate of 300, 1200, 2400, and 4800 to allow use of any commonly available CRT or printer.

I.5 ALARM SEQUENCE

- A. The system alarm operation subsequent to the alarm activation of any manual station, automatic detection device, or sprinkler flow switch is to be as follows:
 1. Selected audible alarm indicating appliances shall sound a digitized tone until silenced by the alarm silence switch.
 2. Selected visual alarm indicating appliances shall display a continuous pattern until extinguished by the Alarm Silence Switch.
 3. Alarm speakers and lights shall operate selectively on the fire floor, two floors above and two floors below the fire floor.
 4. All doors normally held open by door control devices shall release.
 5. A supervised signal to notify the local fire department or an approved central station is to be activated. To accommodate and facilitate job site changes the type of "city connection circuit" is to be on site configurable to provide either a "reverse polarity", "local energy", "shunt" or dry contact connection.
 6. The mechanical controls shall activate the air-handling systems per life safety specification, NFPA 101.
 7. An alarm is to be displayed on the panel display per I.4.C of these specifications. The alarm LED shall flash on the control panel and the remote annunciator until the alarm has been acknowledged at the control panel or the remote annunciator. Once acknowledged, this same LED shall latch on. A subsequent alarm received from another zone after acknowledged shall flash the alarm LED on the control panel and the panel display shall show the new alarm information.

A pulsing alarm tone shall occur within the control panel and the remote annunciator until acknowledged.
- B. The alarm activation of any elevator lobby smoke detector shall, in addition to the operations listed above, cause the elevator cabs to be recalled according to the following sequence:

1. If the alarmed detector is on any floor other than the main level of egress, the elevator cabs shall be recalled to the main level of egress.
 2. If the alarmed detector is on the main egress level, the elevator cabs shall be recalled to the predetermined alternate recall level as determined by the local authority having jurisdiction.
- C. The activation of any system smoke detector shall initiate an Alarm Verification operation whereby the panel will reset the activated detector and wait for a second alarm activation. If, within one (1) minute after resetting, a second alarm is reported from the same or any other smoke detector, the system shall process the alarm as described previously. If no second alarm occurs within one minute the system is to resume normal operation. The Alarm Verification is to operate only on smoke detector alarms. Other activated initiating devices shall be processed immediately. The alarm verification operation is to be selectable by [zone] [device].
 1. The control panel shall have the capability to display the number of times a zone has gone into a verification mode.
- D. The control panel is to have a dedicated supervisory service LED and a dedicated supervisory service acknowledge switch.
 1. The activation of any standpipe or sprinkler valve tamper switch shall activate the system supervisory service audible signal and illuminate the LED at the control panel and the remote annunciator. Differentiation between valve tamper activation and opens and/or grounds on fire alarm initiation circuit wiring shall be provided.
 2. Activating the Supervisory Service Acknowledge Switch will silence the supervisory audible signal while maintaining the Supervisory Service LED on indicating the tamper contact is still in the off-normal state.
 3. Restoring the valve to the normal position shall cause the Supervisory Service LED to extinguish thus indicating restoration to normal position.
- E. A manual evacuation switch shall be provided to operate the systems alarm indicating appliances. Other control circuits shall not be activated. However, a true alarm shall be processed as described previously.
- F. Activation of an auxiliary bypass switch shall override the automatic functions either selectively or throughout the system.
- G. Alarm and trouble conditions shall be immediately displayed on the control panel front Alphanumeric display. If more alarms or troubles are in the system the operator may scroll to display new alarms.
- H. The system shall have an alarm list key that will allow the operator to display all alarms, troubles, and supervisory service conditions with the time of occurrence. This shall allow for the determination of not only the most recent alarm but also may indicate the path that the fire is taking.
- I. All doors normally held open by door control devices shall release upon AC power failure.
- J. The control panel shall be capable of supplying 5 Amps @ 24VDC power output expandable to total power required.

I.6 SUPERVISION

- A. All auxiliary manual controls shall be supervised so that all switches must be returned to the normal automatic position to clear system trouble.

- B. Each independently supervised circuit shall include a discrete panel readout to indicate disarrangement conditions per circuit.
- C. The incoming power to the system shall be supervised so that any power failure must be audibly and visually indicated at the control panel and the remote annunciator. A green "power on" LED shall be displayed continuously while incoming power is present.
- D. The system shall have provisions for disabling and enabling all circuits individually for maintenance or testing purposes.
- E. Wiring to a hardwired (non-serial) remote annunciator shall be supervised for open and ground conditions. A separate annunciator trouble panel readout must be provided. It shall illuminate and an audible trouble signal shall sound at the control panel upon the detection of an open or ground condition.
- F. The system batteries shall be supervised so that a low battery condition or disconnection of the battery shall be audibly and visually indicated at the control panel and the remote annunciator.

I.7 POWER REQUIREMENTS

- A. The control panel shall receive 120 VAC power (as noted on the plans) via a dedicated fused disconnect circuit.
- B. The system shall be provided with sufficient battery capacity to operate the entire system upon loss of normal 120 VAC power in a normal supervisory mode for a period of twenty-four (24) hours with 5 minutes of alarm operation at the end of this period. The system shall automatically transfer to the standby batteries upon power failure. All battery charging and recharging operations shall be automatic.
- C. All circuits requiring system operating power shall be 24VDC and shall be individually fused at the control panel.

I.8 MULTIPLE ADDRESSABLE PERIPHERAL NETWORK (MAPNET)

- A. Communication with addressable devices: The system must provide communication with all initiating and control devices individually. All of these devices are to be individually annunciated at the control panel. Annunciation shall include the following conditions for each point:
 - 1. Alarm
 - 2. Trouble
 - 3. Open
 - 4. Short
 - 5. Ground
 - 6. Device Fail/or Incorrect Device
- B. All addressable devices are to have the capability of being disabled or enabled individually.
- C. Up to 127 addressable devices may be multi-dropped from a single pair of wires. Systems that require factory reprogramming to add or delete devices are unacceptable.
- D. Format
The communication format must be a poll/response protocol to allow t-tapping of the wire to addressable devices and be completely digital. A high degree of communication reliability must be obtained by using parity data bit error checking routines for address codes and check sum routines for the data transmission protocol. Systems that do not utilize full digital transmission protocol (i.e.

that may use time pulse width methods to transmit data etc.) will not be acceptable since they are considered unreliable and prone to errors.

E. Identification of Addressable Devices

Each addressable device must be uniquely identified by an address code entered on each device at time of installation. The use of jumpers to set address will not be acceptable due to the potential of vibration and poor contact.

F. Wiring Type, Distances, Survivability and Configurations

Wiring types will be approved by the equipment manufacturer. Existing wiring will be utilized in retrofit applications. The system must allow up to 2,500 feet wire length to the furthest addressable device. To minimize wire routing and to facilitate future additions, t-tapping of the communications channel will be supported except where Class A wiring is required.

PART II PRODUCTS

2.1 FIRE ALARM CONTROL PANEL

- A. Where shown on the plans, provide and install a Simplex type 4010 Fire Alarm Control Panel or approved equal. Construction shall be modular with solid state, microprocessor based electronics. It shall display only those primary controls and displays essential to operation during a fire alarm condition. Although the keypad/keyboard can be used for control (firefighter/emergency) of the entire system, it shall only be used for maintenance purposes. Keyboards or keypads shall not be visible or required to operate the system during fire alarm conditions.

A local audible device shall sound during Alarm, Trouble or Supervisory conditions. This audible device shall sound differently during each condition to distinguish one condition from another without having to view the panel. This audible device shall also sound differently during each keypress to provide an audible feedback (chirp) to ensure that the key has been pressed properly.

B. Primary Keys and Panel Display

The Control Panel's display shall be backlit for enhanced readability. So as to conserve battery standby power, it shall not be lit during an AC power failure unless an alarm condition occurs or there should be keypad activity.

The display shall support both upper and lower case letters. Lowercase letters shall be used for softkey titles and prompting the user. Uppercase letters shall be used for System Status Information. A cursor shall be visible when entering information.

C. Equipment Enclosures

Provide cabinet(s) of sufficient size to accommodate the aforementioned equipment. The cabinet(s) shall be equipped with locks and transparent door panel(s) providing freedom from tampering yet allowing full view of the various lights and controls.

2.2 REMOTE ANNUNCIATOR(S)

- A. Where shown on the plans, provide an LCD annunciator. The annunciator shall duplicate the display and control functions of the main control panel display.

2.3 PERIPHERAL DEVICES

NOTE: Items listed below are typical only.

- A. Visual Flashing Lamps (Xenon Strobe)
Visual indicating appliances shall be comprised of a Xenon flashtube and be entirely solid state. These devices shall be UL listed. The LEXAN lens shall be pyramidal in shape to allow better visibility and comply with all ADA standards. Visual units shall be of the stand alone type or be incorporated as part of the speaker.
- B. Audio/Visual Alarm Indicating Appliance

Audio/Visual units shall provide a common enclosure for the fire alarm audible and visual alarm devices. The housing shall be designed to accommodate either horns, bells, chimes or speakers. The unit shall be complete with a tamper resistant, Pyramidal shaped lexan lens with "Fire" lettering visible from a 180 field of view. The front panel or bezel which is constructed of UL Listed Noryl, may be inverted so that the lens is below the audible device. Integral Xenon strobe shall provide 8000 peak candle power and be adjustable from 1 to 3 flashes per second. Xenon strobe shall provide 4 wire connection to insure properly supervised in/out system connection. Audio/visual unit shall be UL Listed and ADA approved for its intended purpose.
- C. Sprinkler Switches
Sprinkler switches shall be provided and installed under specification section 13916 and wired by the electrical contractor.
- D. Door Holders
Magnetic door holders shall have an approximate holding force of 35 lbs. The door portion shall have a stainless steel pivotal mounted armature with shock absorbing nylon bearing. Unit shall be capable of being either surface, flush, semi-flush or floor mounted as required. Door holders shall be UL Listed for their intended purpose.
- E. Mini-Horns
Install in guest rooms, off white color.
- F. Flashing Lights
Install in accessible or hearing-impaired guest rooms. Shall meet the requirements of "A" and may be an integral part of "E".

2.4 ADDRESSABLE DEVICE TYPES

- A. General
The system control panel, over its two wire multi-drop channel, must be capable of communicating with the types of addressable devices specified below.
- B. Addressable Thermal Detector Head

Thermal detector heads must be UL listed. They will be a combination rate-of-rise and fixed temperature (135 F) type, automatically restorable.
- C. Addressable Pull Stations
 - I. Addressable pull stations will contain electronics that communicate the station's status (alarm, normal) to the control panel over two wires which also provide power to the pull station. The address will be set on each station. The stations will be manufactured from high impact red Lexan. Lettering will be raised and painted white. The station will mechanically latch upon operation and remain so until manually reset by opening with a key common to all system locks. Pull stations will be single action.

2. The front of the station is to be hinged to a backplate assembly and must be opened with a key to reset the station. The key shall be common with the control panels. Stations which use allen wrenches or special tools to reset, will not be accepted. The station shall consist of high impact Lexan, red in color.
3. The addressable manual station shall be capable of field programming of its "address" location on an addressable signaling line circuit.

D. Addressable Photoelectric Duct Detector

1. The detector shall be non-polarized 24VDC type which is compatible with the Fire Alarm Panel and obtains its operating power from the supervisory current in the fire alarm detection loop.
2. Detectors shall be of the solid state photoelectric type and shall operate on the light scattering, photodiode principle. To minimize nuisance alarms, detectors shall have an insect screen and be designed to ignore invisible particles or smoke densities that are below the factory set point. No radioactive material shall be used.
3. The detector head shall be directly interchangeable with an ionization detector type. The 24VDC detector may be reset by actuating the control panel reset switch.
4. Detector construction shall have a mounting base with a twist-lock detecting head that is lockable. The locking feature must be field removable when not required. Contact between the base and head shall be of the bifurcated type utilizing spring type, selfwiping contacts. Removal of the detector head shall interrupt the supervisory current of the fire alarm detection loop and cause a trouble signal at the control panel. Detector design shall provide compatibility with other normally open fire alarm detection loop devices (heat detectors, pull stations, etc.).
5. It shall be possible to alarm the duct housing by using a test switch

E. TrueAlarm Smoke Sensor and Addressable Sensor Bases

1. The addressable smoke sensors shall be of the photoelectric type and shall communicate actual smoke chamber values to the system control panel.
2. The sensors shall be listed to UL Standard 268 and shall be documented compatible with the control equipment to which they are connected. The sensors shall be listed for both ceiling and wall mount applications.
3. Each sensor base shall contain a LED that will flash each time it is scanned by the control panel (once every 4 seconds). When the control panel determines that a sensor is in the alarm or a trouble condition, the control panel shall command the LED on that sensor's base to turn on steady indicating the abnormal condition. Sensor which do not provide a visible indication of an abnormal condition at the sensor location shall not be acceptable.
4. Each sensor shall contain a magnetically actuated test switch to provide for easy alarm testing at the sensor location.
5. Each sensor shall be scanned by the control panel for its type identification to prevent inadvertent substitution of another sensor type. The control panel shall operate with the installed device but shall initiate a "Wrong Device" trouble condition until the proper type is installed or the programmed sensor type is changed.
6. The sensor's electronics shall be immune from false alarms caused by EMI and RFI.

F. Zone Adaptor Module

Zone Adaptor Modules shall be used for monitoring of waterflow, valve tamper, Halon Control Panels, non- addressable detectors, and for control of evacuation indicating appliances and AHU systems.

1. An addressable interface module shall be provided for interfacing normally open direct contact devices to an addressable signaling line circuit. The device shall be a Simplex type Zone Adaptor Module (ZAM).
2. ZAMs will be capable of mounting in a standard electric outlet box. ZAMs will include cover plates to allow surface or flush mounting. ZAMs will receive their 24VDC power from a separate two wire pair running from an appropriate power supply.
3. There shall be two types of devices:
Type 1: Monitor ZAM
Type 2: Control ZAM
4. For Type 1 above:
 - a. For conventional 2-wire smoke detector and/or contact device monitoring with Style B or Style A (NFPA-72 initiating device circuit) wiring supervision.
5. For Type 2 above:
 - a. For alarm indicating appliances, speakers, fire fighter phones and jacks, and other device control with Style Y or Style Z wiring supervision.
 - b. For non-supervised control.
This type of addressable device will provide double pole double throw relay switching for loads up to 120VAC. It will contain easily replaceable 2 amp fuse, one on each common leg of the relay.
6. The ZAM shall be supervised and uniquely identified by the control panel. Device identification shall be transmitted to the control panel for processing according to the program instructions. Should the ZAM become non-operational, tampered with, or removed, a discrete trouble signal, unique to the device, shall be transmitted to, and annunciated at, the control panel.
7. The ZAM shall be capable of being programmed for its "address" location on the addressable device signaling line circuit. The ZAM shall be compatible with addressable manual stations and addressable detectors on the same addressable circuit.

2.5 GUEST ROOM SMOKE DETECTORS AND HORNS

- A. Guest Room Smoke Detectors (Typical): Shall be addressable and contain electronics that communicate the detector's status (alarm, normal) to the control panel. The address will be set at each detector.
 1. Alarm Horn: Electronic, rated at 85 db at 10 feet, except where otherwise noted on plans
 2. Power/Alarm Indicator: Photoelectric Solid State LED light indicator and incorporate recessed power/alarm indicator.
 3. Operation: Program fire alarm control panel for local alarm, and such that all detectors and notifications devices in a single guest room or suite shall alarm, if any one detector goes into alarm. Refer to electrical guestroom plans for additional guestroom alarm notification requirements, upon activation of alarm devices outside of guest room.
 4. Finish: Manufacturer's standard beige/off-white.
 5. Location: Install detectors in sleeping and living areas.
- B. Guest Room Smoke Detectors at Handicap Accessible and Hearing-Impaired Rooms): Same as above with the following additions.
 1. Visible Alarm Device: Xenon Light. Activation of detector to activate both alarm horns and visible alarm devices (xenon light).

PART III EXECUTION

3.1 INSTALLATION

- A. Provide and install the system in accordance with the plans and specifications, all applicable codes and the manufacturer's recommendations. All wiring shall be installed in strict compliance with all the provisions of NEC - Article 760 A and C, Power-Limited Fire Protective Signaling Circuits or if required may be reclassified as non-power limited and wired in accordance with NEC-Article 760 A and B. Upon completion, the contractor shall so certify in writing to the owner and general contractor.
All junction boxes shall be sprayed red and labeled "Fire Alarm". Wiring color code shall be maintained throughout the installation.
- B. Installation of equipment and devices that pertain to other work in the contract shall be closely coordinated with the appropriate subcontractors.
- C. The contractor shall clean all dirt and debris from the inside and the outside of the fire alarm equipment after completion of the installation.
- D. The manufacturer's authorized representative shall provide onsite supervision of installation.

3.2 TESTING

- A. The completed fire alarm system shall be fully tested in accordance with NFPA-72 by the contractor in the presence of the owner's representative and the Local Fire Marshal. Upon completion of a successful test, the contractor shall so certify in writing to the owner and general contractor.

3.3 WARRANTY

- A. The contractor shall warrant the completed fire alarm system wiring and equipment to be free from inherent mechanical and electrical defects for a period of one (1) year from the date of the completed and certified test or from the date of first beneficial use.
- B. The equipment manufacturer shall make available to the owner a maintenance contract proposal to provide a minimum of two (2) inspections and tests per year in compliance with NFPA-72 guidelines.

END OF SECTION 269000

SECTION 269300 – ELECTRICAL SYSTEMS COMMISSIONING

PART 1 - GENERAL

I.1 COMMISSIONING AGENCY

- A. The commissioning agency (CA) has been contracted directly with the owner for this project. The CA has overall responsibility for planning and coordinating the commissioning process. However, commissioning involves all parties to the design and construction process, including the mechanical contractor, and all specialty sub-contractors within the mechanical sections such as sheet metal, piping, refrigeration, water treatment, and controls, plus major equipment suppliers as required.

I.2 CONTRACTORS' RESPONSIBILITIES

- A. The electrical division contractor's responsibilities are defined in Section 018100 of the specifications. These responsibilities apply to all specialty sub-contractors and major equipment suppliers within this division. Each contractor and supplier shall review Section 019113 and their bids shall include for carrying out the work described, as it applies to each Section within this division's specifications, individually and collectively.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION 269300