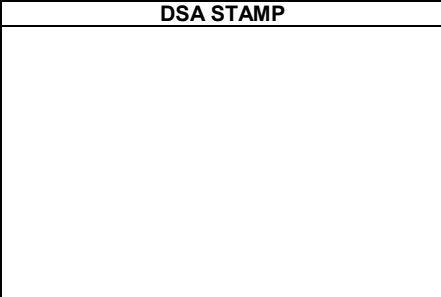


APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval. This form shall be completed by the Design Professional in General Responsible Charge of the project, in accordance with California Code of Regulations, Title 24, Part 1, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents referenced within this form are available on the [DSA Forms](#) or [DSA Publications](#) webpages.

1. SUBMITTAL TYPE: (Is this a resubmittal? Yes ☐ No ☒)			
Deferred Submittal ☐	Addendum Number: 01	Revision Number:	CCD Number: Category A ☐ or B ☐
2. PROJECT INFORMATION:			
School District/Owner: San Beranrdo City USD		DSA File Number: 36 H7	
Project Name/School: Indian Springs HS - Health Center		DSA Application Number 04 123900	
3. APPLICANT INFORMATION:			
Date Submitted: 09/11/25		Attached Pages? No ☐ Yes ☒ Number of pages? 89	
Firm Name: Ruhnau Clarke Architects		Contact Name: Krys Thompson	
Work Email: dsa@ruhnaucclarke.com		Work Phone: (951) 684-4664	
Firm Address: 3775 Tenth Street		City: Riverside	State: CA Zip Code: 92501
4. REASON FOR SUBMITTAL: (Check applicable boxes)			
☒ For revision or addendum prior to construction.		☐ For a project currently under construction.	
☐ For a project that has a form DSA 301-N: <i>Notification of Requirement for Certification</i> , DSA 301-P: <i>Posted Notification of Requirement for Certification</i> or a 90-Day Letter issued.			
☐ To obtain DSA approval of an existing uncertified building or buildings.			
☐ For Category B CCD this is: ☐ a voluntary submittal, ☐ a DSA required submittal (attach DSA notice requiring submission).			
5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE:			
Name of the Design Professional In General Responsible Charge: Roger Clarke			
Professional License Number: C-21340		Discipline: Architect	
Design Professional in General Responsible Charge Statement: The attached post-approval documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project. Signature: _____ DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE			
6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:			
For addenda, revisions, or CCDs: CHECK THIS BOX ☒ to confirm that <i>all</i> post-approval documents have been stamped and signed by the Responsible Design Professional listed on form <i>DSA 1: Application for Approval of Plans and Specifications</i> for this project. (For <i>Deferred Submittals</i> , refer to <i>IR A-18: Use of Construction Documents Prepared by Other Professionals</i> , and <i>IR A-19: Design Professional's Signature and Seal (Stamp) on Construction Documents</i> , when applicable, for signature and seal requirements.)			
Provide a brief description of construction scope for this post-approval document (attach additional sheets if needed): Please see attached narrative for description of changes			
List of DSA-approved drawings affected by this post-approval document: Please see attached narrative for list of affected drawings			

DSA USE ONLY		
	Returned	DSA STAMP
SSS _____ Date _____ ☐ Approved ☐ Disapproved ☐ Not Required Comments: _____	Date:	
FLS _____ Date _____ ☐ Approved ☐ Disapproved ☐ Not Required Comments: _____	By:	
ACS _____ Date _____ ☐ Approved ☐ Disapproved ☐ Not Required Comments: _____		



September 11, 2025

ADDENDUM NO. 1

TO THE CONTRACT DOCUMENTS

FOR

Indian Springs High School – Health Center

FOR THE

San Bernardino City Unified School District
777 North 'F' Street
San Bernardino, CA 92410

DSA #04-123900 FILE #36-H7 RCA Project No. 1-78-50

NOTICE TO BIDDERS

This Addendum forms a part of the Contract and modifies the original documents of DSA Approved on March 18, 2025. It is intended that all work affected by the following modifications shall conform with related provisions and general conditions of the contract of the original drawings and specifications. Modify the following items wherever appearing in any drawing or sections of the specifications. Acknowledge receipt of Addendum No. 1 in the space provided on the Bid Form. Failure to do so may subject the bidder to disqualification.

CHANGES TO THE SPECIFICATIONS

- | | |
|--------------|--|
| Item No. 1.1 | Reference Section 00 01 10 – Table of Contents |
| 1.1.1 | Replace Specification Section in its entirety. |
| Item No. 1.2 | Reference New Section 08 56 59 – Service and Teller Window Units |
| 1.2.1 | Add New Specification Section in its entirety. |
| Item No. 1.3 | Reference Section 08 80 00 – Glazing |
| 1.3.1 | Replace Specification Section in its entirety. |
| Item No. 1.4 | Reference New Section 23 23 00 – Refrigerant Piping |
| 1.4.1 | Add New Specification Section in its entirety. |
| Item No. 1.5 | Reference New Section 23 81 26.13 – Small Capacity Split-System Air Conditioners |
| 1.5.1 | Add New Specification Section in its entirety. |

CHANGES TO THE DRAWINGS

CIVIL

- | | |
|--------------|--|
| Item No. 1.6 | Reference Sheet C-3.0 – GRADING PLAN |
| 1.6.1 | Replace Sheet C-3.0 and revise per clouded areas & items listed below: |
| | (a) Revised grading (per new topographic survey) at New Passenger Drop Off in front of Existing Building 'B' |

ARCHITECTURAL

- Item No. 1.7 Reference Sheet G-2 – CODE ANALYSIS FLOOR PLAN
1.7.1 Replace Sheet G-2 and revise per clouded areas & items listed below:
 (a) Revised floor plan background. No changes to code analysis.
- Item No. 1.8 Reference Sheet G-4 – EGRESS & SIGNAGE PLAN
1.8.1 Replace Sheet G-4 and revise per clouded areas & items listed below:
 (a) Revised egress & signage to reflect the revised floor plan layout
- Item No. 1.9 Reference Sheet A1-1.0 – DEMO & NEW FLOOR PLANS
1.9.1 Replace Sheet A1-1.0 and revise per clouded areas & items listed below:
 (a) Detail 1, Revised floor plan layout
 (b) Detail 2, revised existing slab removals based on updated MEP layouts
- Item No. 1.10 Reference Sheet A1-2.0 – DEMO & NEW RCP
1.10.1 Replace Sheet A1-2.0 and revise per clouded areas & items listed below:
 (a) Detail 2, Revised floor plan layout
- Item No. 1.11 Reference Sheet A1-3.0 – DEMO & NEW ROOF PLAN
1.11.1 Replace Sheet A1-3.0 and revise per clouded areas & items listed below:
 (a) Revised roof plan to match updated mechanical layout
- Item No. 1.12 Reference Sheet A1-5.0 – BUILDING SECTIONS
1.12.1 Replace Sheet A1-5.0 and revise per clouded areas
- Item No. 1.13 Reference Sheet A1-6.0 – WALL SECTIONS
1.13.1 Replace Sheet A1-6.0 and revise per clouded areas
- Item No. 1.14 Reference Sheet A1-7.0 – ENLARGED PLANS / INTERIOR ELEVATIONS
1.14.1 Replace Sheet A1-7.0 and revise per clouded areas & items listed below:
 (a) Detail 1, revised to reflect new restroom location on revised floor plan layout
 (b) Detail 2, reduced size of Lobby Reception Desk
 (c) Removed Detail 3, no longer applies to project
 (d) Detail 5, revised to reflect the revised floor plan layout
- Item No. 1.15 Reference Sheet A1-7.1 – INTERIOR ELEVATIONS
1.15.1 Replace Sheet A1-7.1 and revise per clouded areas & items listed below:
 (a) Revised Interior Elevations to reflect the revised floor plan layout
- Item No. 1.16 Reference Sheet A1-7.2 – INTERIOR ELEVATIONS
1.16.1 Replace Sheet A1-7.2 and revise per clouded areas & items listed below:
 (a) Details 1, 2 & 3, revised to reflect the revised floor plan layout
 (b) Added New Detail 4
- Item No. 1.17 Reference Sheet A1-8.0 – DOOR & WINDOW SCHEDULE
1.17.1 Replace Sheet A1-8.0 and revise per clouded areas & items listed below:
 (a) Door Schedule, revised finishes
 (b) Window Type A & C, revised glazing finish
 (c) Window Type D, reduced width to reflect floor plan layout
 (d) Added New Window Type E
 (e) Added New Window Type F

INTERIOR DESIGN

- Item No. 1.18 Reference Sheet ID-1.0 - FINISHES PLAN / SCHED & CMF LEGEND
- 1.18.1 Replace Sheet ID-1.0 and revise per clouded areas & items listed below:
- (a) Revised floor plan layout
 - (b) Revised Room Finish Schedule
 - (c) Revised C.M.F. Legend

ARCHITECTURAL DETAILS

- Item No. 1.19 Reference Sheet AD-2.1 - WALL DETAILS
- 1.19.1 Replace Sheet AD-2.1 and revise per clouded areas & items listed below:
- (a) Detail 22, revised to match floor plan layout
- Item No. 1.20 Reference Sheet AD-2.2 - WALL DETAILS
- 1.20.1 Replace Sheet AD-2.2 and revise per clouded areas & items listed below:
- (a) Removed Detail 4, no longer applies
- Item No. 1.21 Reference Sheet AD-6.0 - DOOR & WINDOW DETAILS
- 1.21.1 Replace Sheet AD-6.0 and revise per clouded areas & items listed below:
- (a) Added New Details 23, 24, 25 & 30 for New Sliding Window Type E at SWSS Clerk #112
 - (b) Added New Details 26, 27, 28, & 29 for New Interior Window Type F

STRUCTURAL

- Item No. 1.22 Reference Sheet S0-2.4 - TYPICAL WOOD DETAILS
- 1.22.1 Replace Sheet S0-2.4 and revise per clouded areas & items listed below:
- (a) Detail 6, revise Holdown Anchor Schedule
- Item No. 1.23 Reference Sheet S1-1.1 - FOUNDATION PLAN
- 1.23.1 Replace Sheet S1-1.1 and revise per clouded areas & items listed below:
- (a) Revised Foundation Plan in coordination with Architectural changes
- Item No. 1.24 Reference Sheet S1-3.1 - ROOF FRAMING PLAN
- 1.24.1 Replace Sheet S1-3.1 and revise per clouded areas & items listed below:
- (a) Revised Roof Framing Plan in coordination with Architectural & MEP changes
- Item No. 1.25 Reference Sheet SD-4.2 - ROOF FRAMING DETAILS
- 1.25.1 Replace Sheet SD-4.2 and revise per clouded areas & items listed below:
- (a) Detail 8, removed detail in its entirety
 - (b) Detail 11, revised in coordination with Architectural changes
 - (c) Detail 16, added new detail

MECHANICAL

- Item No. 1.26 Reference Sheet M0-1.0 - MECHANICAL LEGENDS NOTES & SCHEDULES
- 1.26.1 Replace Sheet M0-1.0 and revise per clouded areas & items listed below:
- (a) Added refrigerant pipe material and refrigerant pipe insulation schedules
- Item No. 1.27 Reference Sheet M0-1.1 - MECHANICAL SCHEDULES CONT.
- 1.27.1 Replace Sheet M0-1.1 and revise per clouded areas & items listed below:
- (a) Revised "area served", "Supply CFM", and "Min/MAX OSA" of existing AC-3
 - (b) Revised selection & performance for new AC-3B
 - (c) Added indoor and outdoor unit schedules
- Item No. 1.28 Reference Sheet M0-1.2 - ENV TITLE 24 COMPLIANCE DOCUMENTS
- 1.28.1 Replace Sheet M0-1.2 and revise per clouded areas & items listed below:
- (a) Revised T24 reports
- Item No. 1.29 Reference Sheet M0-1.3 - MCH TITLE 24 COMPLIANCE DOCUMENTS
- 1.29.1 Replace Sheet M0-1.3 and revise per clouded areas & items listed below:
- (a) Revised T24 reports

Item No. 1.30 Reference Sheet M0-1.4 - MCH TITLE 24 COMPLIANCE DOCUMENTS
1.30.1 Replace Sheet M0-1.4 and revise per clouded areas & items listed below:
 (a) Revised T24 reports

Item No. 1.31 Reference Sheet M1-1.1 - MECHANICAL REMODEL FLOOR PLAN
1.31.1 Replace Sheet M1-1.1 and revise per clouded areas & items listed below:
 (a) Revised air distribution for AC-3 and AC-3B
 (b) Revised location of existing thermostat for AC-3
 (c) Revised location of new thermostat and CO2 sensor for AC-3B
 (d) Revised location of new exhaust duct thru roof
 (e) Added new IU-1 and refrigerant piping
 (f) Added new general notes #15 & #16

Item No. 1.32 Reference Sheet M1-2.1 - MECHANICAL REMODEL ROOF PLAN
1.32.1 Replace Sheet M1-2.1 and revise per clouded areas & items listed below:
 (a) Revised location of new EF-3B
 (b) Added new OU-1 & refrigerant piping
 (c) Added new general notes #5 & #6

Item No. 1.33 Reference Sheet MD-1.2 - MECHANICAL DETAILS CONT.
1.33.1 Replace Sheet MD-1.2 and revise per clouded areas & items listed below:
 (a) Added new details #2, #3, #4, #5, #6 and #7

PLUMBING

Item No. 1.34 Reference Sheet P0-1.0 - PLUMBING LEGENDS NOTES & SCHEDULES
1.34.1 Replace Sheet P0-1.0 and revise per clouded areas & items listed below:
 (a) Revised sink count and FU in Plumbing sizing form

Item No. 1.35 Reference Sheet P1-1.1 - PLUMBING DEMOLITION FLOOR PLAN
1.35.1 Replace Sheet P1-1.1 and revise per clouded areas & items listed below:
 (a) Revised HW, HWR & CW piping demolition scope

Item No. 1.36 Reference Sheet P1-2.0 - PLUMBING REMODEL FOUNDATION PLAN
1.36.1 Replace Sheet P1-2.0 and revise per clouded areas & items listed below:
 (a) Revised new waste connections to existing waste pipe

Item No. 1.37 Reference Sheet P1-2.1 - PLUMBING REMODEL FLOOR PLAN -WASTE, VENT & COND
1.37.1 Replace Sheet P1-2.1 and revise per clouded areas & items listed below:
 (a) Revised new condensate connection to sink location
 (b) Revised venting from new unisex restroom
 (c) Added new venting for new sinks
 (d) Added general note #11
 (e) Added condensate from new indoor unit to lavatory

Item No. 1.38 Reference Sheet P1-2.2 - PLUMBING REMODEL FLOOR PLAN -CW, HW & GAS
1.38.1 Replace Sheet P1-2.2 and revise per clouded areas & items listed below:
 (a) Revised CW, HW & HWR piping routing & sizes
 (b) Removed construction notes #6, #7, #8
 (c) Revised construction notes #3, #4 and #5

Item No. 1.39 Reference Sheet P1-2.3 - PLUMBING ROOF PLAN
1.39.1 Replace Sheet P1-2.3 and revise per clouded areas & items listed below:
 (a) Added New VTRs

Item No. 1.40 Reference Sheet PD-1.1 - PLUMBING DETAILS
1.40.1 Replace Sheet PD-1.1 and revise per clouded areas & items listed below:
 (a) Added New Detail 13

ELECTRICAL

- Item No. 1.41 Reference Sheet E0-0.2 - LUMINAIRE SCHEDULE
1.41.1 Replace Sheet E0-0.2 and revise per clouded areas & items listed below:
 (a) Type F2 has been removed.
 (b) Types F2A, F2AE, F2B, F2BE, F3 have been added.
- Item No. 1.42 Reference Sheet E0-0.3 - TITLE 24 COMPLIANCE DOCUMENTS
1.42.1 Replace Sheet E0-0.3 and revise per clouded areas & items listed below:
 (a) The Indoor Lighting Compliance Documents have been revised for the removal/addition of lights in the revised floor plan.
- Item No. 1.43 Reference Sheet E0-0.6 - LIGHTING REMODEL CONTROL LAYOUT
1.43.1 Replace Sheet E0-0.6 and revise per clouded areas & items listed below:
 (a) The Lighting Controls Layout has been revised to reflect the revised lighting plan on sheet E1-3.1.
- Item No. 1.44 Reference Sheet E0-0.7 - LIGHTING REMODEL CONTROL DETAILS
1.44.1 Replace Sheet E0-0.7 and revise per clouded areas & items listed below:
 (a) The Lighting Controls Details have been revised to reflect the updated controls system shown in sheet E0-0.6.
- Item No. 1.45 Reference Sheet E0-0.8 - SINGLE LINE DIAGRAM & PANEL SCHEDULES
1.45.1 Replace Sheet E0-0.8 and revise per clouded areas & items listed below:
 (a) Panel Schedule 'HA2' has been updated to show the revised load and circuit size for AC-3B.
 (b) Panel Schedule 'LA3' has been updated to show the revised circuits in the Health Center and on the roof above.
- Item No. 1.46 Reference Sheet E0-0.9 - LOW VOLTAGE RISER DIAGRAMS
1.46.1 Replace Sheet E0-0.9 and revise per clouded areas & items listed below:
 (a) Construction Note #11 has been added for the new IDF rack.
 (b) Data Riser Diagram has been updated to reflect the addition of the new IDF and data drops.
 (c) PA Riser Diagram has been updated to reflect the addition of ceiling PA speaker.
 (d) CCTV Riser Diagram has been updated to reflect the addition of security cameras.
 (e) CATV Riser Diagram has been removed from this sheet.
 (f) Access Control Riser Diagram has been updated to reflect the removal of card readers.
 (g) EMS Riser Diagram location has been updated.
- Item No. 1.47 Reference Sheet E1-2.1 - POWER & SIGNAL REMODEL PLAN
1.47.1 Replace Sheet E1-2.1 and revise per clouded areas & items listed below:
 (a) Construction Notes #5-#9 have been added to the sheet to reflect the addition of equipment in Data Room 109.
 (b) The Power Remodel Floor Plan has been updated to reflect the revised floor plan layout, with the removal/addition/relocation of devices and equipment.
- Item No. 1.48 Reference Sheet E1-2.2 - ELECTRICAL REMODEL ROOF PLAN
1.48.1 Replace Sheet E1-2.2 and revise per clouded areas & items listed below:
 (a) Construction Note #5 has been added to the sheet for control wiring conduit provided.
 (b) EF-3B has been relocated to a new location near the east edge of the roof.
 (c) OU-1 has been added to the roof plan.
- Item No. 1.49 Reference Sheet E1-3.1 - LIGHTING REMODEL PLAN
1.49.1 Replace Sheet E1-3.1 and revise per clouded areas & items listed below:
 (a) The Lighting Remodel Floor Plan has been updated to reflect the revised ceiling plan layout, with the removal/addition/relocation of light fixtures and control devices.
- Item No. 1.50 Reference Sheet E1-3.2 - NORMAL PHOTOMETRY PLAN
1.50.1 Replace Sheet E1-3.2 and revise per clouded areas & items listed below:
 (a) The Normal Photometry Plan has been updated to reflect the revised lighting layout shown on sheet E1-3.1.

- Item No. 1.51 Reference Sheet E1-3.3 - EMERGENCY EGRESS PHOTOMETRY PLAN
1.51.1 Replace Sheet E1-3.3 and revise per clouded areas & items listed below:
 (a) The Emergency Egress Photometry Plan has been updated to reflect the revised lighting layout shown on sheet E1-3.1.
- Item No. 1.52 Reference Sheet ED-1.1 - ELECTRICAL DETAILS
1.52.1 Replace Sheet ED-1.1 and revise per clouded areas & items listed below:
 (a) Detail #15 has been added for the IDF Elevation.
- Item No. 1.53 Reference Sheet ED-1.2 - ELECTRICAL DETAILS CONTINUED
1.53.1 Replace Sheet ED-1.2 and revise per clouded areas & items listed below:
 (a) Detail #3 has been added for the IDF Rack Mounting.

FIRE ALARM

- Item No. 1.54 Reference Sheet F0-0.1 - FIRE ALARM LEGENDS & NOTES
1.54.1 Replace Sheet F0-0.1 and revise per clouded areas & items listed below:
 (a) The Fire Alarm Equipment List has been updated to show multi-candela option for ceiling horn strobes.
- Item No. 1.55 Reference Sheet F0-0.3 - FIRE ALARM RISER DIAGRAM
1.55.1 Replace Sheet F0-0.3 and revise per clouded areas & items listed below:
 (a) The Fire Alarm Riser Diagram has been updated to reflect the removal/addition of fire alarm devices in the revised floor plan on sheet F1-2.1
 (b) The Fire Alarm Calculations have been updated to reflect the revised Fire Alarm Riser Diagram.
- Item No. 1.56 Reference Sheet F1-2.1 - FIRE ALARM REMODEL PLAN
1.56.1 Replace Sheet F1-2.1 and revise per clouded areas & items listed below:
 (a) The Fire Alarm Remodel Floor Plan has been updated to reflect the revised ceiling plan layout, with the removal/addition/relocation of fire alarm devices.

FIRE PROTECTION

- Item No. 1.57 Reference Sheet FP-1.2 - FIRE SPRINKLER HYD. REF. CEILING PLAN
1.57.1 Replace Sheet FP-1.2 and revise per clouded areas & items listed below:
 (a) Fire Sprinkler Hydraulic reference plan sprinkler layout was revised to accommodate new room and ceiling layout.
- Item No. 1.58 Reference Sheet FP-3.1 - FIRE SPRINKLER REFLECTED CEILING PLAN
1.58.1 Replace Sheet FP-3.1 and revise per clouded areas & items listed below:
 (a) Fire Sprinkler RCP and piping layout were revised to accommodate new room and ceiling layout throughout addition.
- Item No. 1.59 Reference Sheet FP-4.1 - FIRE SPRINKLER BUILDING SECTIONS
1.59.1 Replace Sheet FP-4.1 and revise per clouded areas & items listed below:
 (a) Fire Sprinkler building sections were updated to show new layout of sprinkler heads and piping in addition.

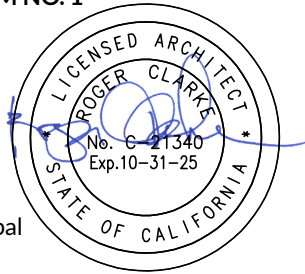
ATTACHMENTS

Specifications: 00 01 10, 08 56 59, 08 80 00, 23 23 00, 23 81 26.13

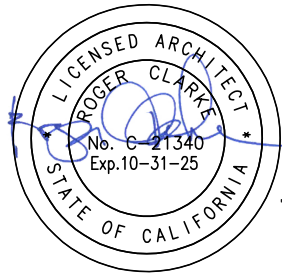
Sketches: N/A

Sheets: C-3.0,
G-2, G-4, A1-1.0, A1-2.0, A1-3.0, A1-5.0, A1-6.0, A1-7.0, A1-7.1, A1-7.2, A1-8.0,
ID-1.0,
AD-2.1, AD-2.2, AD-6.0
S0-2.4, S1-1.1, S1-3.1, SD-4.2,
M0-1.0, M0-1.1, M0-1.2, M0-1.3, M0-1.4, M1-1.1, M1-2.1, MD-1.2,
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FP-1.2, FP-3.1, FP-4.1,

END OF ADDENDUM NO. 1



Roger Clarke, Principal
C-21340



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10 28 00 - Toilet Accessories
10 44 00 - Fire Protection Specialties

DIVISION 11 -- EQUIPMENT

11 70 00 - Healthcare Equipment

DIVISION 12 -- FURNISHINGS

12 24 00 - Window Shades
12 36 00 - Countertops

DIVISION 21 -- FIRE SUPPRESSION

21 13 00 - Fire Suppression Sprinkler Systems
21 13 13 - Fire-Suppression Sprinkler Systems

DIVISION 22 -- PLUMBING

22 00 10 - Basic Plumbing Requirements
22 05 16 - Expansion Fittings and Loops for Plumbing Piping
22 05 17 - Sleeves and Sleeve Seals for Plumbing Piping
22 05 18 - Escutcheons for Plumbing Piping
22 05 23 - General-Duty Valves for Plumbing Piping
22 05 29 - Hangers and Supports for Plumbing Piping and Equipment
22 05 53 - Identification for Plumbing Piping and Equipment
22 07 19 - Plumbing Piping Insulation
22 10 05 - Plumbing Piping
22 10 06 - Plumbing Piping Specialties
22 40 00 - Plumbing Fixtures

DIVISION 23 -- HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

23 00 10 - Basic Mechanical Requirements
23 05 29 - Hangers and Supports

23 05 48 - Vibration and Seismic Controls for HVAC
23 05 53 - Identification for HVAC Piping and Equipment
23 05 93 - Testing, Adjusting, and Balancing for HVAC
23 07 13 - Duct Insulation

23 23 00 – Refrigerant Piping Addendum 1

23 31 00 - HVAC Ducts and Casings
23 33 00 - Air Duct Accessories
23 34 23 - HVAC Power Ventilators
23 37 00 - Air Outlets and Inlets
23 40 00 - HVAC Air Cleaning Devices
23 74 13 - Packaged Outdoor Central-Station Air-Handling Units

23 81 26.13 – Small-Capacity Split-System Air Conditioner Addendum 1

DIVISION 26 -- ELECTRICAL

26 00 10 - Basic Electrical General Requirements
26 05 05 - Selective Demolition for Electrical
26 05 19 - Low-Voltage Electrical Power Conductors and Cables
26 05 26 - Grounding and Bonding for Electrical Systems
26 05 29 - Hangers and Supports for Electrical Systems
26 05 33.13 - Conduit for Electrical Systems
26 05 33.16 - Boxes for Electrical Systems
26 05 53 - Identification for Electrical Systems
26 09 23 - Lighting Control Devices
26 27 26 - Wiring Devices
26 28 13 - Fuses
26 28 16.16 - Enclosed Switches
26 51 00 - Interior Lighting

DIVISION 27 -- COMMUNICATIONS

27 51 16 - Public Address Systems
27 51 26 - Assistive Listening System

DIVISION 28 -- ELECTRONIC SAFETY AND SECURITY

28 13 53.11 - IP Network Compatible Intercom (IX System)
28 1600 - Intrusion Detection
28 31 00 - Fire Detection and Alarm

DIVISION 31 -- EARTHWORK

- 31 10 00 - Site Clearing
- 31 22 00 - Grading
- 31 23 16 - Excavation
- 31 23 16.13 - Trenching
- 31 23 23 - Fill

DIVISION 32 -- EXTERIOR IMPROVEMENTS

- 32 01 90 - Operation and Maintenance of Planting
- 32 11 23 - Aggregate Base Courses
- 32 12 16 - Asphalt Paving
- 32 13 13 - Concrete Paving
- 32 17 23 - Pavement Markings
- 32 17 26 - Tactile Warning Surfacing
- 32 31 19 - Decorative Metal Fences and Gates
- 32 33 00 - Site Furnishings
- 32 84 23 - Irrigation System
- 32 93 00 - Plants

DIVISION 33 -- UTILITIES

- 33 01 10.58 - Disinfection of Water Utility Piping Systems
- 33 05 43 - Corrosion Protection
- 33 14 16 - Site Water Utility Distribution Piping
- 33 42 11 - Stormwater Gravity Piping

END OF SECTION

SECTION 08 56 59
SERVICE AND TELLER WINDOW UNITS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Service and teller window units. ALUM-2

1.02 RELATED REQUIREMENTS

- A. Section 07 92 00 - Joint Sealants: Sealing joints between frames and adjacent construction.

1.03 REFERENCE STANDARDS

- A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum.
- B. AAMA 2603 - Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix).
- C. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
- D. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
- E. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric).

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate work with adjacent materials specified in other sections and as indicated on drawings and approved shop drawings.
- B. Preinstallation Meeting: Prior to start of installation arrange a meeting on site to familiarize installer and installers of related work with requirements relating to this work.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Submit manufacturer's product data for specified products indicating materials, operation, glazing, finishes, and installation instructions.
- C. Shop Drawings: Indicate configuration, sizes, rough-in, mounting, anchors and fasteners, and installation clearances.
- D. Samples for Selection of Finishes:
 - 1. Applied Finishes: Color charts for factory finishes.
 - 2. Color Anodized Finishes: Frame member sections showing range of color to be expected in finished work.
- E. Manufacturer Qualification Statement.
- F. Installer Qualification Statement.

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- G. Warranty: Submit manufacturer warranty and ensure that forms have been completed in District's name and registered with manufacturer.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with at least ten years documented experience, and with ability to provide test reports showing that their standard manufactured products meet the specified requirements.
- B. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver units in manufacturer's original packaging and unopened containers with identification labels intact.
- B. Store units in area protected from exposure to weather and vandalism.

1.08 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Provide manufacturer's warranty agreeing to repair or replace units and their components that fail in materials or workmanship within five years from Date of Substantial Completion.

PART 2 PRODUCTS

2.01 REGULATORY REQUIREMENTS

- A. Pass-through windows of sales/service counter shall comply with the reach and access requirements of CBC Sections 11B-227.3 Counters, 11B-305 Clear Floor or Ground Space, 11B-306 Knee and Toe Clearance, 11B-308 Reach Range, 11B-309 Operable Parts, and 11B-904 Check-out aisles and sales and service counters.

2.02 PASS THROUGH WINDOW

- A. Pass-Through Window:
 - 1. Location: Interior.
 - 2. Window: Horizontal Sliding.
 - a. Operation: Manual.
 - b. Mounting: Flush with adjacent storefront.
 - c. Size: As indicated on drawings.
 - d. Finish: Natural anodized. ALUM-5
 - e. Finish Color: match adjacent storefront.
 - f. Screen: None.
 - 3. Glazing: Single (monolithic), clear.
 - a. Tempered safety glazing.
 - 4. Counter Staging Area: Attendant-side.
 - 5. Products:

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- a. Basis of Design: Arcadia Corp.; Sliding 2820 Pass Thru Series (Non-Thermal): www.arcadiainc.com.
- b. C.R. Lawrence; CRL Horizontal Sliding Service Windows, DW Series: www.crl-arch.com.
- c. Substitutions: See Section 01 6000 - Product Requirements.

2.03 ASSEMBLY COMPONENTS

- A. Windows: Factory-fabricated, finished, and glazed, with extruded aluminum frame and glazing stops; complete with hardware and anchors.
 - 1. Provide window units that are re-glazable from the secure side without dismantling the non-secure side of framing.
 - 2. Rigidly fit and secure joints and corners with internal reinforcement. Make joints and connections flush, hairline, and weatherproof. Fully weld corners.
 - 3. Apply factory finish to exposed surfaces.
 - 4. Apply bituminous paint to concealed metal surfaces in contact with cementitious or dissimilar materials.
 - 5. Wind Design: Design and size components to withstand dead loads and live loads caused by pressure and negative wind loads acting normal to plane of window as calculated in accordance with applicable code.

2.04 MATERIALS

- A. Aluminum Extrusions: Minimum 1/8 inch thick frame and sash material complying with ASTM B221 and ASTM B221M.
- B. Concealed Steel Items: Galvanized in accordance with ASTM A123/A123M to thickness Grade 85, 2.0 ounces per square foot.
- C. Monolithic Glass: Fully tempered float glass; minimum 1/4 inch thickness.
- D. Sealant for Setting Sills and Sill Flashing: Non-curing butyl type.

2.05 FINISHES

- A. Pigmented Organic Coating System: AAMA 2603; polyester or acrylic baked enamel finish.
- B. Color: To be selected by Architect from manufacturer's custom range.

2.06 ACCESSORIES

- A. Hardware and Security Devices for Sliding Windows:
 - 1. Hook-Lock: Maximum security hook lock on each slider.
 - 2. Weatherstripping and Glazing Sealant: Factory applied.
 - 3. Bottom Sills: Stainless steel construction, no bottom tracks and no pop rivets.
 - 4. Handles: Stainless steel, manufacturer's standard profile and finish.
 - a. Operating Force: 5 lbs maximum.

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PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that window openings are ready for installation of windows.
- B. Verify that correct embedded anchors are in place and in proper location; repair or replace anchors as required to achieve satisfactory installation.
- C. Notify Architect if conditions are not suitable for installation of units; do not proceed until conditions are satisfactory.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Install units in correct orientation (inside/outside or secure/non-secure).
- C. Anchor units securely in manner so as to achieve performance specified.
- D. Set sill members and sill flashing in continuous bead of sealant.
- E. Remove and replace defective work.

3.03 ADJUSTING

- A. Adjust operating components for smooth operation while also maintaining a secure, weather-tight enclosure and a tight fit at the contact points; lubricate operating hardware.

3.04 CLEANING

- A. Remove protective material from factory finished surfaces.
- B. Clean exposed surfaces promptly after installation without damaging finishes.

3.05 PROTECTION

- A. Provide temporary protection to ensure that service and teller windows are without damage upon Date of Substantial Completion.

END OF SECTION

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SECTION 08 80 00 GLAZING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Insulating glass units.
- B. Glazing units.
- C. Glazing compounds.

1.02 RELATED REQUIREMENTS

- A. Section 07 25 00 - Weather Barriers.
- B. Section 07 27 00 - Air Barriers.
- C. Section 07 92 00 - Joint Sealants: Sealants for other than glazing purposes.
- D. Section 08 11 13 - Hollow Metal Doors and Frames: Glazed lites in doors and borrowed lites.
- E. Section 08 43 13 - Aluminum-Framed Storefronts: Glazing provided as part of storefront assembly.

1.03 REFERENCE STANDARDS

- A. 16 CFR 1201 - Safety Standard for Architectural Glazing Materials.
- B. ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test.
- C. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures.
- D. ASTM C864 - Standard Specification for Dense Elastomeric Compression Seal Gaskets, Setting Blocks, and Spacers.
- E. ASTM C920 - Standard Specification for Elastomeric Joint Sealants.
- F. ASTM C1036 - Standard Specification for Flat Glass.
- G. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass.
- H. ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass.
- I. ASTM C1193 - Standard Guide for Use of Joint Sealants.
- J. ASTM C1376 - Standard Specification for Pyrolytic and Vacuum Deposition Coatings on Flat Glass.
- K. ASTM E1300 - Standard Practice for Determining Load Resistance of Glass in Buildings.
- L. ASTM E2190 - Standard Specification for Insulating Glass Unit Performance and Evaluation.
- M. CBC - California Building Code.
- N. GANA (GM) - GANA Glazing Manual.
- O. GANA (SM) - GANA Sealant Manual.

- P. IGMA TM-3000 - North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial & Residential Use.
- Q. NFRC 100 - Procedure for Determining Fenestration Product U-factors.
- R. NFRC 200 - Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence.
- S. NFRC 300 - Test Method for Determining the Solar Optical Properties of Glazing Materials and Systems.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene a preinstallation meeting one week before starting work of this section; require attendance by each of the affected installers.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data on Insulating Glass Unit and Glazing Unit Glazing Types: Provide structural, physical and environmental characteristics, size limitations, special handling and installation requirements.
- C. Product Data on Glazing Compounds and Accessories: Provide chemical, functional, and environmental characteristics, limitations, special application requirements, and identify available colors.
- D. Samples: Submit two samples 12 by 12 inch in size of glass and plastic units.
- E. Certificate: Certify that products of this section meet or exceed specified requirements.
- F. Manufacturer's qualification statement.
- G. Installer's qualification statement.
- H. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in District's name and registered with manufacturer.
- I. Maintenance Materials: Furnish the following for District's use in maintenance of project.
 - 1. See Section 01 60 00 - Product Requirements, for additional provisions.

1.06 QUALITY ASSURANCE

- A. Perform Work in accordance with GANA (GM) and IGMA TM-3000 for glazing installation methods. Maintain one copy on site.
- B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years of documented experience.
 - 1. Provide certified glass products through ANSI accredited certifications that include plant audits and independent laboratory performance testing.
 - a. Insulating Glass Certification Council (IGCC).
 - b. Safety Glazing Certification Council (SGCC).
- C. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years documented experience.

1. Provide company, field supervisors, and installers that hold active ANSI accredited certifications in appropriate categories for work specified.
- D. Testing Agency Qualifications: Independent firm specializing in performing testing and inspections of the type specified in this section.

1.07 MOCK-UPS

- A. See Section 01 40 00 - Quality Requirements for additional requirements.
- B. Provide mock-up of each type of glazing system including glass and air barrier and vapor retarder seal.
- C. Provide on-site glazing mock-up with the specified glazing components.
- D. Locate where directed.
- E. Mock-ups may remain as part of the Work.

1.08 FIELD CONDITIONS

- A. Do not install glazing when ambient temperature is less than 40 degrees F.
- B. Maintain minimum ambient temperature before, during and 24 hours after installation of glazing compounds.

1.09 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Insulating Glass Units: Provide a five (5) year manufacturer warranty to include coverage for seal failure, interpane dusting or misting, including providing products to replace failed units.
- C. Laminated Glass: Provide a five (5) year manufacturer warranty to include coverage for delamination, including providing products to replace failed units.
- D. Heat Soaked Tempered Glass: Provide a five (5) year manufacturer warranty to include coverage for spontaneous breakage of fully tempered glass caused by nickel sulfide (NiS) inclusions.

PART 2 PRODUCTS

2.01 REGULATORY REQUIREMENTS

- A. Comply with the all applicable codes and ordinances, including California Building Code (CBC), Title 24, Part 2, Chapter 24 as amended and adopted by authorities having jurisdiction, and US Consumer Product Safety Commission Standard 16 CFR 1201 CI and CII.
- B. Where safety glass is indicated or required, provide glazing materials that conform to ANSI Z97.1 **class A** and CPSC 16 CFR 1201 and are so identified in accordance with CBC Section 2406.3.
- C. Glass Identification: Per CBC Section 2403.1, each light shall bear the manufacturer's label designating the type and thickness of glass.
 1. When approved by the enforcement agency, labels may be omitted from other than safety glazing materials, provided an affidavit is furnished by the glazing contractor certifying that each light is glazed in accordance with approved plans and specifications.

2. Identification of safety glazing material installed in hazardous locations as defined in Section 2406 of this chapter shall be identified by label which will specify the labeler, whether the manufacturer or installer, and state that safety glazing material has been utilized in such installations.
3. The label shall be legible and visible from the inside of the building after installation and shall specify that label shall not be removed.
4. Tempered glass shall have an etched manufacturer's label.

2.02 MANUFACTURERS

A. Glass Fabricators:

1. Glass Fab; www.glassfabusa.com.
2. Glasswerks Inc.: www.glasswerks.com.
3. GlasPro, Inc.: www.glas-pro.com
4. Viracon, Inc: www.viracon.com/#sle.
5. Or Equal Substitutions: See Section 01 60 00 - Product Requirements.

B. Float Glass Manufacturers:

1. Cardinal Glass Industries: www.cardinalcorp.com/#sle.
2. GlasPro, Inc.: www.glas-pro.com
3. Guardian Glass, LLC: www.guardianglass.com/#sle.
4. Pilkington North America Inc: www.pilkington.com/na/#sle.
5. Saint Gobain North America: www.saint-gobain.com/#sle.
6. Vitro Architectural Glass (formerly PPG Glass): www.vitroglazings.com/#sle.
7. Or Equal Substitutions: See Section 01 60 00 - Product Requirements.

2.03 PERFORMANCE REQUIREMENTS - EXTERIOR GLAZING ASSEMBLIES

- A. Provide type and thickness of exterior glazing assemblies to support assembly dead loads, and to withstand live loads caused by positive and negative wind pressure acting normal to plane of glass.
 1. Design Pressure: Calculated in accordance with ASCE 7.
 - a. Where glass thicknesses are not indicated, provide thickness based on the wind pressures required by the California Building Code (CBC), Title 24, Part 2, 2403 and 2404, wind pressure shall be assumed to have a one minute duration.
 - b. Upon first application of design wind load for the specified durations, probability of breakage shall not exceed 8/1000 for vertical glass.
 - c. Probability of breakage relative to glass thermal stress shall not exceed 8/1000 for vertical glass.
 2. Comply with ASTM E1300 for design load resistance of glass type, thickness, dimensions, and maximum lateral deflection of supported glass.
 3. Seismic Loads: Design and size glazing components to withstand seismic loads and sway displacement in accordance with the requirements of ASCE 7

4. Provide glass edge support system sufficiently stiff to limit the lateral deflection of supported glass edges to less than 1/175 of their lengths under specified design load.
5. Glass thicknesses listed are minimum.
- B. Weather-Resistive Barrier Seals: Provide completed assemblies that maintain continuity of building enclosure water-resistive barrier, vapor retarder, and/or air barrier.
 1. In conjunction with weather barrier related materials described in other sections, as follows:
 - a. Water-Resistive Barriers: See Section 07 25 00.
 - b. Air Barriers: See Section 07 27 00.
 2. To utilize inner pane of multiple pane insulating glass units for continuity of vapor retarder and/or air barrier seal.
 3. To maintain a continuous vapor retarder and/or air barrier throughout glazed assembly from glass pane to heel bead of glazing sealant.
- C. Thermal and Optical Performance: Provide exterior glazing products with performance properties as indicated. Performance properties are in accordance with manufacturer's published data as determined with the following procedures and/or test methods:
 1. Center of Glass U-Value: Comply with NFRC 100 using Lawrence Berkeley National Laboratory (LBNL) WINDOW 6.3 computer program.
 2. Center of Glass Solar Heat Gain Coefficient (SHGC): Comply with NFRC 200 using Lawrence Berkeley National Laboratory (LBNL) WINDOW 6.3 computer program.
 3. Solar Optical Properties: Comply with NFRC 300 test method.

2.04 GLASS MATERIALS

- A. Float Glass: Provide float glass based glazing unless otherwise indicated.
 1. Annealed Type: ASTM C1036, Type I - Transparent Flat, Class 1 - Clear, Quality - Q3.
 2. Kind HS - Heat-Strengthened Type: Complies with ASTM C1048.
 3. Kind FT - Fully Tempered Type: Complies with ASTM C1048.
 4. Fully Tempered Safety Glass: Complies with ANSI Z97.1 or 16 CFR 1201 criteria for safety glazing used in hazardous locations.
 5. Heat-Soak Testing (HST): Provide HST of fully tempered glass used on canopy, point-supported, spider wall, high-risk, sloping overhead, horizontal overhead, free-standing glass protective barrier, or other demanding applications of project, to reduce risks of spontaneous breakage due to nickel sulfide (NiS) induced fractures in accordance with industry established testing requirements.
 6. Impact Resistant Safety Glass: Complies with ANSI Z97.1 - Class A, or 16 CFR 1201 - Category II criteria. CBC 2406.2.
 7. Tinted Type: ASTM C1036, Class 2 - Tinted, Quality - Q3, with color and performance characteristics as indicated.
 8. Thicknesses: As indicated; provide greater thickness as required for exterior glazing wind load design.

- B. Laminated Glass: Float glass laminated in accordance with ASTM C1172.
 - 1. Laminated Safety Glass: Complies with ANSI Z97.1 - Class A or 16 CFR 1201 - Category I impact test requirements.
 - 2. Ionoplast Interlayer: 0.035 inch thick, minimum.
 - a. Basis of Design Product: SentryGlas®Plus (SGB) Interlayer as manufactured by Kuraray America Inc., www.kuraray.us.com, or approved equal.

2.05 INSULATING GLASS UNITS

- A. Manufacturers:
 - 1. Glass: Any of the manufacturers specified for float glass.
 - 2. Cardinal Glass Industries: www.cardinalcorp.com/#sle.
 - 3. Glasswerks: glasswerks.com.
 - 4. Pilkington North America Inc: www.pilkington.com/na/#sle.
 - 5. Viracon, Apogee Enterprises, Inc: www.viracon.com/#sle.
 - 6. Vitro Architectural Glass (formerly PPG Glass): www.vitroglazings.com/#sle.
 - 7. Or Equal Substitutions: See Section 01 60 00 - Product Requirements.
- B. Fabricator: Certified by glass manufacturer for type of glass, coating, and treatment involved and capable of providing specified warranty.
- C. Insulating Glass Units: Types as indicated.
 - 1. Durability: Certified by an independent testing agency to comply with ASTM E2190.
 - 2. Coated Glass: Comply with requirements of ASTM C1376 for pyrolytic (hard-coat) or magnetic sputter vapor deposition (soft-coat) type coatings on flat glass; coated vision glass, Kind CV; coated overhead glass, Kind CO; or coated spandrel glass, Kind CS.
 - 3. Metal-Edge Spacers: Aluminum, bent and soldered corners.
 - 4. Spacer Color: Black.
 - 5. Edge Seal:
 - a. Single-Sealed System: Provide silicone, polysulfide, or polyurethane sealant as seal applied around perimeter.
 - b. Color: Black.
 - 6. Purge interpane space with dry air, hermetically sealed.
 - 7. Capillary Tubes: Provide tubes from air space for insulating glass units without inert type gas that have a change of altitude greater than 2500 feet between point of fabrication and point of installation to permit pressure equalization of air space.
 - a. Capillary Tubes: Tubes to remain open and be of length and material type in accordance with insulating glass fabricator's requirements.
 - b. Inert gas may be installed in the field into air space in accordance with insulating glass fabricator's and installer's requirements.
- D. Insulating Glass Units: Vision glass, double glazed.
 - 1. Applications: Exterior glazing unless otherwise indicated.

2. Space between lites filled with air.
 3. Outboard Lite: Annealed float glass, 1/4 inch thick, minimum.
 - a. Tint: Clear.
 - b. Coating: Low-E (passive type), on #2 surface.
 4. Metal edge spacer.
 5. Inboard Lite: Annealed float glass, 1/4 inch thick, minimum.
 - a. Tint: Clear.
 6. Total Thickness: 1 inch.
 7. Thermal Transmittance (U-Value), Winter - Center of Glass: 0.29, nominal.
 8. Visible Light Transmittance (VLT): 51 percent, nominal.
 9. Solar Heat Gain Coefficient (SHGC): 0.23, nominal.
 10. Visible Light Reflectance, Outside: 12 percent, nominal.
 11. Glazing Method: Dry glazing method, gasket glazing.
- E. Insulating Glass Units: Safety glazing.
1. Applications:
 - a. Glazed lites in exterior doors.
 - b. Glazed sidelights and panels next to doors.
 - c. Other locations required by applicable federal, state, and local codes and regulations.
 - d. Other locations indicated on drawings.
 2. Space between lites filled with air.
 3. Glass Type: Same as other vision glazing except use fully tempered float glass for both outboard and inboard lites.
 4. Tint: Clear.
 5. Total Thickness: 1 inch.
 6. Metal edge spacer.
 7. Glazing Method: Dry glazing method, gasket glazing.

2.06 BASIS OF DESIGN - INSULATING GLASS UNITS

- A. Basis of Design - Insulating Glass Units: Vision glazing, with low-e coating.
1. Applications: Exterior insulating glass glazing unless otherwise indicated.
 2. Space between lites filled with air.
 3. Total Thickness: 1 inch.
 4. Durability: Certified by an independent testing agency to comply with ASTM E2190.
 5. Coated Glass: Comply with requirements of ASTM C1376 for pyrolytic (hard-coat) or magnetic sputter vapor deposition (soft-coat) type coatings on flat glass; coated vision glass, Kind CV; coated overhead glass, Kind CO; or coated spandrel glass, Kind CS.

6. Metal Edge Spacers: Aluminum, bent and soldered corners.
 7. Spacer Color: Black.
 8. Edge Seal:
 - a. Single-Sealed System: Provide silicone, polysulfide, or polyurethane sealant as seal applied around perimeter.
 - b. Color: Black.
 9. Purge interpane space with dry air, hermetically sealed.
 10. Capillary Tubes: Provide tubes from air space for insulating glass units without inert type gas that have a change of altitude greater than 2500 feet between point of fabrication and point of installation to permit pressure equalization of air space.
 - a. Capillary Tubes: Tubes to remain open and be of length and material type in accordance with insulating glass fabricator's requirements.
- B. IG-1 Basis of Design - Vitro Architectural Glass (formerly PPG Glass): www.vitroglazings.com/#sle.**
1. Outboard Lite: Heat-strengthened float glass, 1/4 inch thick, minimum.
 - a. Low-E Coating: Vitro Architectural Glass (formerly PPG Glass) Solarban 90 on #2 surface.
 - b. Glass: Clear.
 2. Inboard Lite: Heat-strengthened float glass, 1/4 inch thick.
 - a. Coating: No coating on inboard lite.
 - b. Glass: Clear.
- C. IG-2 Basis of Design - Vitro Architectural Glass (formerly PPG Glass): www.vitroglazings.com/#sle. Location: Exam room exterior windows.**
1. Outboard Lite: Annealed float glass, 1/4 inch thick, minimum.
 - a. Low-E Coating: Vitro Architectural Glass (formerly PPG Glass) Solarban 90 on #2 surface..
 - b. Glass Tint: Clear.
 2. Inboard Lite: Annealed float glass, 1/4 inch thick.
 - a. Glass: Clear.
 - b. Coating: Pavia Acid-Etched on number 3 surface.
- D. Substitution Procedures: See Section 01 60 00 - Product Requirements.**
1. For any product not identified as "Basis of Design", submit information as specified for substitutions.

2.07 GLAZING UNITS

- A. Monolithic Interior Vision Glazing:**
1. Applications: Interior glazing unless otherwise indicated.
 2. Glass Type: Annealed float glass.
 3. Tint: Clear.

4. Thickness: 1/4 inch, nominal.
- B. Monolithic Safety Glazing: Non-fire-rated.
 1. Applications:
 - a. Glazed lites in doors, except fire doors.
 - b. Glazed sidelights to doors, except in fire-rated walls and partitions.
 - c. Other locations required by applicable federal, state, and local codes and regulations.
 - d. Other locations indicated on drawings.
 2. Glass Type: Fully tempered safety glass as specified.
 3. Tint: Clear.
 4. Thickness: 1/4 inch, nominal.
 5. Glazing Method: Dry glazing method, gasket glazing.

2.08 GLAZING COMPOUNDS

- A. Type GC-3 - Polysulfide Sealant: Two component; chemical curing, nonsagging type; ASTM C920 Type M, Grade NS, Class 25, Uses M, A, and G; with cured Shore A hardness range of 15 to 25; color as selected.
- B. Type GC-5 - Silicone Sealant: Single component; neutral curing; capable of water immersion without loss of properties; nonbleeding, nonstaining; ASTM C920 Type S, Grade NS, Class 25, Uses M, A, and G; with cured Shore A hardness range of 15 to 25; color as selected.

2.09 ACCESSORIES

- A. Setting Blocks: Silicone, with 80 to 90 Shore A durometer hardness; ASTM C864 Option II. Length of 0.1 inch for each square foot of glazing or minimum 4 inch by width of glazing rabbet space minus 1/16 inch by height to suit glazing method and pane weight and area.
- B. Spacer Shims: Neoprene, 50 to 60 Shore A durometer hardness; ASTM C864 Option II. Minimum 3 inch long by one half the height of the glazing stop by thickness to suit application, self adhesive on one face.
- C. Glazing Tape, Back Bedding Mastic Type: Preformed, butyl-based, 100 percent solids compound with integral resilient spacer rod applicable to application indicated; 5 to 30 cured Shore A durometer hardness; coiled on release paper; black color.
 1. Width: As required for application.
 2. Thickness: As required for application.
- D. Glazing Gaskets: Resilient silicone extruded shape to suit glazing channel retaining slot; ASTM C864 Option II; color black.
- E. Glazing Clips: Manufacturer's standard type.

2.10 SOURCE QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements for additional requirements.

PART 3 EXECUTION

3.01 VERIFICATION OF CONDITIONS

- A. Verify that openings for glazing are correctly sized and within tolerances, including those for size, squareness, and offsets at corners.
- B. Verify that the minimum required face and edge clearances are being provided.
- C. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and support framing is ready to receive glazing system.
- D. Verify that sealing between joints of glass framing members has been completed effectively.
- E. Proceed with glazing system installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. Clean contact surfaces with appropriate solvent and wipe dry within maximum of 24 hours before glazing. Remove coatings that are not tightly bonded to substrates.
- B. Seal porous glazing channels or recesses with substrate compatible primer or sealer.
- C. Prime surfaces scheduled to receive sealant where required for proper sealant adhesion.

3.03 INSTALLATION, GENERAL

- A. Install glazing in compliance with written instructions of glass, gaskets, and other glazing material manufacturers, unless more stringent requirements are indicated, including those in glazing referenced standards.
- B. Install glazing sealants in accordance with ASTM C1193, GANA (SM), and manufacturer's instructions.
- C. Do not exceed edge pressures around perimeter of glass lites as stipulated by glass manufacturer.
- D. Set glass lites of system with uniform pattern, draw, bow, and similar characteristics.
- E. Set glass lites in proper orientation so that coatings face exterior or interior as indicated.
- F. Prevent glass from contact with any contaminating substances that may be the result of construction operations such as, and not limited to the following; weld splatter, fire-safing, plastering, mortar droppings, and paint.

3.04 INSTALLATION - DRY GLAZING METHOD (GASKET GLAZING)

- A. Application - Exterior and/or Interior Glazed: Set glazing infills from either the exterior or the interior of the building.
- B. Place setting blocks at 1/4 points with edge block no more than 6 inch from corners.
- C. Rest glazing on setting blocks and push against fixed stop with sufficient pressure on gasket to attain full contact.
- D. Install removable stops without displacing glazing gasket; exert pressure for full continuous contact.

3.05 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements for additional requirements.
- B. Glass and Glazing product manufacturers to provide field surveillance of the installation of their products.
- C. Monitor and report installation procedures and unacceptable conditions.

3.06 CLEANING

- A. See Section 01 74 19 - Construction Waste Management and Disposal, for additional requirements.
- B. Remove excess glazing materials from finish surfaces immediately after application using solvents or cleaners recommended by manufacturers.
- C. Remove nonpermanent labels immediately after glazing installation is complete.
- D. Clean glass and adjacent surfaces after sealants are fully cured.
- E. Clean glass on both exposed surfaces not more than 4 days prior to Date of Substantial Completion in accordance with glass manufacturer's written recommendations.

3.07 PROTECTION

- A. After installation, mark pane with an 'X' by using removable plastic tape or paste; do not mark heat absorbing or reflective glass units.
- B. Remove and replace glass that is damaged during construction period prior to Date of Substantial Completion.

END OF SECTION

SECTION 23 23 00
REFRIGERANT PIPING

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Piping.
- B. Refrigerant.
- C. Moisture and liquid indicators.
- D. Valves.
- E. Strainers.
- F. Filter-driers.
- G. Solenoid valves.

1.02 REFERENCE STANDARDS

- A. AHRI 710 - Performance Rating of Liquid-Line Driers; 2009.
- B. AHRI 760 - Performance Rating of Solenoid Valves for Use With Volatile Refrigerants; 2007.
- C. ASHRAE Std 15 - Safety Standard for Refrigeration Systems; 2016, with Addendum (2017).
- D. ASME B16.22 - Wrought Copper and Copper Alloy Solder-Joint Pressure Fittings; 2018.
- E. ASME B16.26 - Cast Copper Alloy Fittings for Flared Copper Tubes; 2018.
- F. ASME B31.5 - Refrigeration Piping and Heat Transfer Components; 2016.
- G. ASTM B88 - Standard Specification for Seamless Copper Water Tube; 2016.
- H. ASTM B88M - Standard Specification for Seamless Copper Water Tube (Metric); 2018.
- I. ASTM B280 - Standard Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service; 2018.
- J. AWS A5.8M/A5.8 - Specification for Filler Metals for Brazing and Braze Welding; 2011 (Amended 2012).
- K. UL 429 - Electrically Operated Valves; Current Edition, Including All Revisions.
- L. All refrigerants shall meet CMC Chapter 11.

1.03 SYSTEM DESCRIPTION

- A. Where more than one piping system material is specified ensure system components are compatible and joined to ensure the integrity of the system is not jeopardized. Provide necessary joining fittings. Ensure flanges, union, and couplings for servicing are consistently provided.
- B. Provide pipe hangers and supports in accordance with ASME B31.5 unless indicated otherwise.
- C. Liquid Indicators:
 - 1. Use line size liquid indicators in main liquid line leaving condenser.

2. If receiver is provided, install in liquid line leaving receiver.
- D. Valves:
 1. Use service valves on suction and discharge of compressors.
 2. Use gauge taps at compressor inlet and outlet.
- E. Filter-Driers:
 1. Use a filter-drier immediately ahead of liquid-line controls, such as thermostatic expansion valves, solenoid valves, and moisture indicators.
- F. Solenoid Valves:
 1. Use in liquid line of single or multiple evaporator systems.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide general assembly of specialties, including manufacturers catalogue information. Provide manufacturers catalog data including load capacity.
- C. Project Record Documents: Record exact locations of equipment and refrigeration accessories on record drawings.
- D. Maintenance Materials: Furnish the following for District's use in maintenance of project.
 1. See Section 01 60 00 - Product Requirements, for additional provisions.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store piping and specialties in shipping containers with labeling in place.
- B. Protect piping and specialties from entry of contaminating material by leaving end caps and plugs in place until installation.
- C. Dehydrate and charge components such as piping and receivers, seal prior to shipment, until connected into system.

PART 2 PRODUCTS

2.01 PIPING

- A. Copper Tube: ASTM B280, H58 hard drawn or O60 soft annealed.
 1. Fittings: ASME B16.22 wrought copper.
 2. Joints: Braze, AWS A5.8M/A5.8 BCuP silver/phosphorus/copper alloy.
- B. Copper Tube to 7/8 inch OD: ASTM B88 (ASTM B88M), Type K (A), annealed.
 1. Fittings: ASME B16.26 cast copper.
 2. Joints: Flared.
- C. Pipe Supports and Anchors:
 1. Conform to ASME B31.5
 2. Hangers for Pipe Sizes 1/2 to 1-1/2 Inch: Malleable iron adjustable swivel, split ring.

2.02 MOISTURE AND LIQUID INDICATORS

- A. Indicators: Single port type, UL listed, with copper or brass body, flared or solder ends, sight glass, color coded paper moisture indicator with removable element cartridge and plastic cap; for maximum temperature of 200 degrees F and maximum working pressure of 500 psi.

2.03 VALVES

- A. Service Valves:
 - 1. Forged brass body with copper stubs, brass caps, removable valve core, integral ball check valve, flared or solder ends, for maximum pressure of 500 psi.

2.04 FILTER-DRIERS

- A. Performance:
 - 1. Flow Capacity - Liquid Line: per manufacturer's recommendation, minimum, rated in accordance with AHRI 710.
 - 2. Pressure Drop: 2 psi, maximum, when operating at full connected evaporator capacity.
 - 3. Design Working Pressure: 350 psi, minimum.
- B. Cores: Molded or loose-fill molecular sieve desiccant compatible with refrigerant, activated alumina, activated charcoal, and filtration to 40 microns, with secondary filtration to 20 microns; of construction that will not pass into refrigerant lines.
- C. Construction: UL listed.
 - 1. Connections: As specified for applicable pipe type.

2.05 SOLENOID VALVES

- A. Valve: AHRI 760 I-P, pilot operated, copper, brass or steel body and internal parts, synthetic seat, stainless steel stem and plunger assembly (permitting manual operation in case of coil failure), integral strainer, with flared, solder, or threaded ends; for maximum working pressure of 500 psi.
- B. Coil Assembly: UL 429, UL listed, replaceable with molded electromagnetic coil, moisture and fungus proof, with surge protector and color coded lead wires, integral junction box with pilot light.

PART 3 EXECUTION

3.01 PREPARATION

- A. Ream pipe and tube ends. Remove burrs. Bevel plain end ferrous pipe.
- B. Remove scale and dirt on inside and outside before assembly.
- C. Prepare piping connections to equipment with flanges or unions.

3.02 INSTALLATION

- A. Install refrigeration specialties in accordance with manufacturer's instructions.

- B. Route piping in orderly manner, with plumbing parallel to building structure, and maintain gradient.
- C. Install piping to conserve building space and avoid interference with use of space.
- D. Install piping to allow for expansion and contraction without stressing pipe, joints, or connected equipment.
- E. Pipe Hangers and Supports:
 - 1. Install in accordance with ASME B31.5.
 - 2. Support horizontal piping as indicated.
 - 3. Install hangers to provide minimum 1/2 inch space between finished covering and adjacent work.
 - 4. Place hangers within 12 inches of each horizontal elbow.
- F. Arrange piping to return oil to compressor. Provide traps and loops in piping, and provide double risers as required. Slope horizontal piping 0.40 percent in direction of flow.
- G. Provide clearance for installation of insulation and access to valves and fittings.
- H. Provide access to concealed valves and fittings. Coordinate size and location of access doors with Section 08 31 00.
- I. Follow ASHRAE Std 15 procedures for charging and purging of systems and for disposal of refrigerant.

3.03 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements, for additional requirements.
- B. Test refrigeration system in accordance with ASME B31.5.
- C. Pressure test system with dry nitrogen to 200 psi. Perform final tests at 27 inches vacuum and 200 psi using halide torch. Test to no leakage.
- D. Refrigerant piping shall be provided with insulation. All exterior insulation shall be provided with an aluminum jacket and UV protection.

END OF SECTION

SECTION 23 81 26.13
SMALL-CAPACITY SPLIT-SYSTEM AIR CONDITIONERS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Air cooled condensing units.
- B. Indoor air handling (ductless fan & coil) units.
- C. Controls.

1.02 RELATED REQUIREMENTS

- A. Section 22 10 05 - Plumbing Piping: Includes indoor coil condensate drain and water supply for humidifier.
- B. Section 26 05 30 - Wiring Connections: Electrical characteristics and wiring connections and installation and wiring of thermostats and other controls components.

1.03 REFERENCE STANDARDS

- A. AHRI 210/240 - Standard for Performance Rating of Unitary Air-Conditioning and Air-Source Heat Pump Equipment; 2008, Including All Addenda.
- B. ASHRAE Std 15 - Safety Standard for Refrigeration Systems; 2016, with Addendum (2017).
- C. ASHRAE Std 23.1 - Methods of Testing for Rating the Performance of Positive Displacement Refrigerant Compressors and Condensing Units that Operate at Subcritical Temperatures of the Refrigerant; 2010.
- D. NFPA 90A - Standard for the Installation of Air-Conditioning and Ventilating Systems; 2018.
- E. NFPA 90B - Standard for the Installation of Warm Air Heating and Air-Conditioning Systems; 2018.
- F. UL 207 - Standard for Refrigerant-Containing Components and Accessories, Nonelectrical; Current Edition, Including All Revisions.
- G. All refrigerants shall comply with CMC chapter 11.
- H. Insulation: Surface Burning Characteristics: Flame spread index/Smoke developed index of 25/50, maximum, when tested in accordance with ASTM E84 or ASTM E84.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide rated capacities, weights, accessories, electrical nameplate data, and wiring diagrams.
- C. Shop Drawings: Indicate assembly, required clearances, and location and size of field connections.
- D. Design Data: Indicate refrigerant pipe sizing.
- E. Manufacturer's Instructions: Indicate rigging, assembly, and installation instructions.

- F. Operation and Maintenance Data: Include manufacturer's descriptive literature, operating instructions, installation instructions, maintenance and repair data, and parts listing.
- G. Warranty: Submit manufacturer's warranty and ensure forms have been filled out in District's name and registered with manufacturer.

1.05 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.

PART 2 PRODUCTS

2.01 SYSTEM DESIGN

- A. Split-System Cooling Units: Self-contained, packaged, matched factory-engineered and assembled, pre-wired indoor and outdoor units; UL listed.
 - 1. Provide refrigerant lines internal to units and between indoor and outdoor units, factory cleaned, dried, pressurized and sealed, with insulated suction line.
- B. Performance Requirements: See Drawings for additional requirements.
- C. Electrical Characteristics:
 - 1. Disconnect Switch: Factory mount disconnect switch on equipment under provisions of Section 26 05 83.

2.02 INDOOR UNITS FOR DUCTLESS SYSTEMS

- A. Indoor Units: Self-contained, packaged, factory assembled, pre-wired unit consisting of cabinet, supply fan, cooling elements, and controls; wired for single power connection with control transformer.
 - 1. Location: High-Wall.
 - 2. Cabinet: Galvanized steel.
 - a. Finish: White.
 - 3. Filter return air with washable, antioxidant pre-filter and a pleated anti-allergy enzyme filter.
- B. Evaporator Coils: Copper tube aluminum fin assembly, galvanized or polymer drain pan sloped in all directions to drain, drain connection, refrigerant piping connections, restricted distributor or thermostatic expansion valve.
 - 1. Construction and Ratings: In accordance with AHRI 210/240 and UL 207.
 - 2. Manufacturer: System manufacturer.

2.03 OUTDOOR UNITS

- A. Outdoor Units: Self-contained, packaged, pre-wired unit consisting of cabinet, with compressor and condenser.
 - 1. Refrigerant: Latest code required refrigerant.
 - 2. Cabinet: Galvanized steel with baked enamel finish, easily removed and secured access doors with safety interlock switches, glass fiber insulation with reflective liner.

3. Construction and Ratings: In accordance with AHRI 210/240 with testing in accordance with ASHRAE Std 23.1 and UL 207.
- B. Accessories: Filter drier, high pressure switch (manual reset), low pressure switch (automatic reset), service valves and gauge ports, thermometer well (in liquid line).
 1. Provide thermostatic expansion valves.
- C. Operating Controls:
 1. Control by room thermostat to maintain room temperature setting. Thermostat by EMS Controls.
 2. Low Ambient Kit: Provide refrigerant pressure switch to cycle condenser fan on when condenser refrigerant pressure is above 285 psig and off when pressure drops below 140 psig for operation to 0 degrees F.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that substrates are ready for installation of units and openings are as indicated on shop drawings.
- B. Verify that proper power supply is available and in correct location.

3.02 INSTALLATION

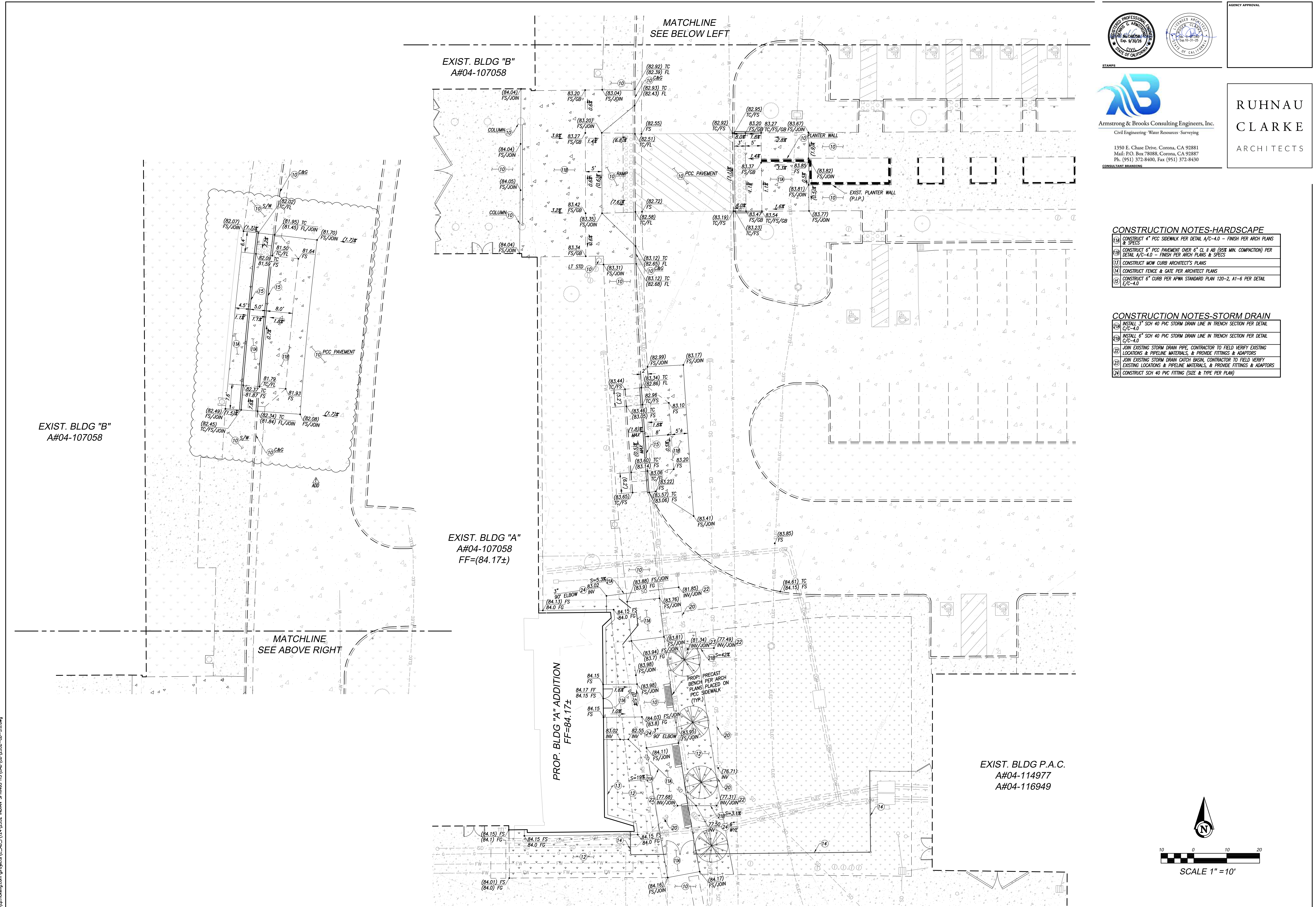
- A. Install in accordance with manufacturer's instructions and requirements of local authorities having jurisdiction.
- B. Install in accordance with NFPA 90A and NFPA 90B.
- C. Install refrigeration systems in accordance with ASHRAE Std 15.

3.03 SCHEDULE - SEE SHEET M0-1.1

END OF SECTION

\\prclark.com\projects\A-B\124\232 INDIAN SPRINGS HS\CAD\CD\232-CD-3.0.dwg

PROJECT No. :
DRAWN BY: DELTA # DATE 07/21/25
CHECKED BY: ATO CCD REV
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DELTA # DATE ATO CCD REV



STAMPS

ARMSTRONG & BROOKS CONSULTING ENGINEERS, INC.
Civil Engineering • Water Resources • Surveying

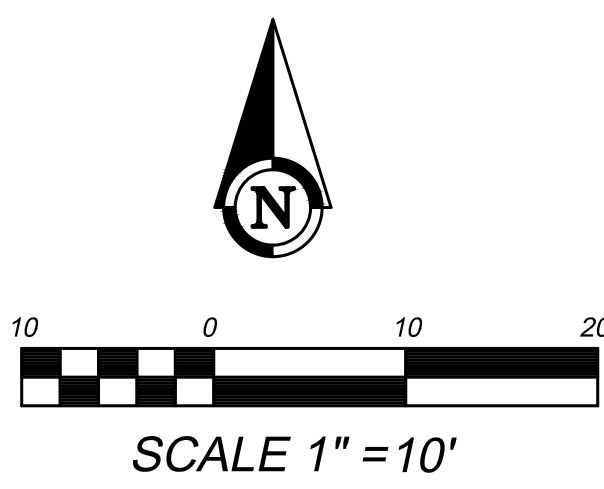
1350 E. Chase Drive, Corona, CA 92881
Mail: P.O. Box 78088, Corona, CA 92887
Ph. (951) 372-8400, Fax (951) 372-8430
CONSULTANT BRANDING

AGENCY APPROVAL

RUHNAU CLARKE ARCHITECTS

- CONSTRUCTION NOTES-HARDSCAPE**
- 11A CONSTRUCT 4" PCC SIDEWALK PER DETAIL A/C-4.0 - FINISH PER ARCH PLANS & SPECS
 - 11B CONSTRUCT 6" PCC PAVEMENT OVER 6" CL II AB (95% MIN. COMPACTION) PER DETAIL A/C-4.0 - FINISH PER ARCH PLANS & SPECS
 - 13 CONSTRUCT MOW CURB ARCHITECT'S PLANS
 - 14 CONSTRUCT FENCE & GATE PER ARCHITECT PLANS
 - 15 CONSTRUCT 6" CURB PER APWA STANDARD PLAN 120-2, A1-6 PER DETAIL C/C-4.0

- CONSTRUCTION NOTES-STORM DRAIN**
- 21A INSTALL 3" SCH 40 PVC STORM DRAIN LINE IN TRENCH SECTION PER DETAIL C/C-4.0
 - 21B INSTALL 6" SCH 40 PVC STORM DRAIN LINE IN TRENCH SECTION PER DETAIL C/C-4.0
 - 22 JOIN EXISTING STORM DRAIN PIPE, CONTRACTOR TO FIELD VERIFY EXISTING LOCATIONS & PIPELINE MATERIALS, & PROVIDE FITTINGS & ADAPTORS
 - 23 JOIN EXISTING STORM DRAIN CATCH BASIN, CONTRACTOR TO FIELD VERIFY EXISTING LOCATIONS & PIPELINE MATERIALS, & PROVIDE FITTINGS & ADAPTORS
 - 24 CONSTRUCT SCH 40 PVC FITTING (SIZE & TYPE PER PLAN)





RUHNAU
CLARKE
ARCHITECTS

STAMP

CONSULTANT BRANDIN

LEGEND

— — — — — ASSUMED IMAGINARY LINE PER CBC 705.3 (BUILDINGS ON SAME LOT)

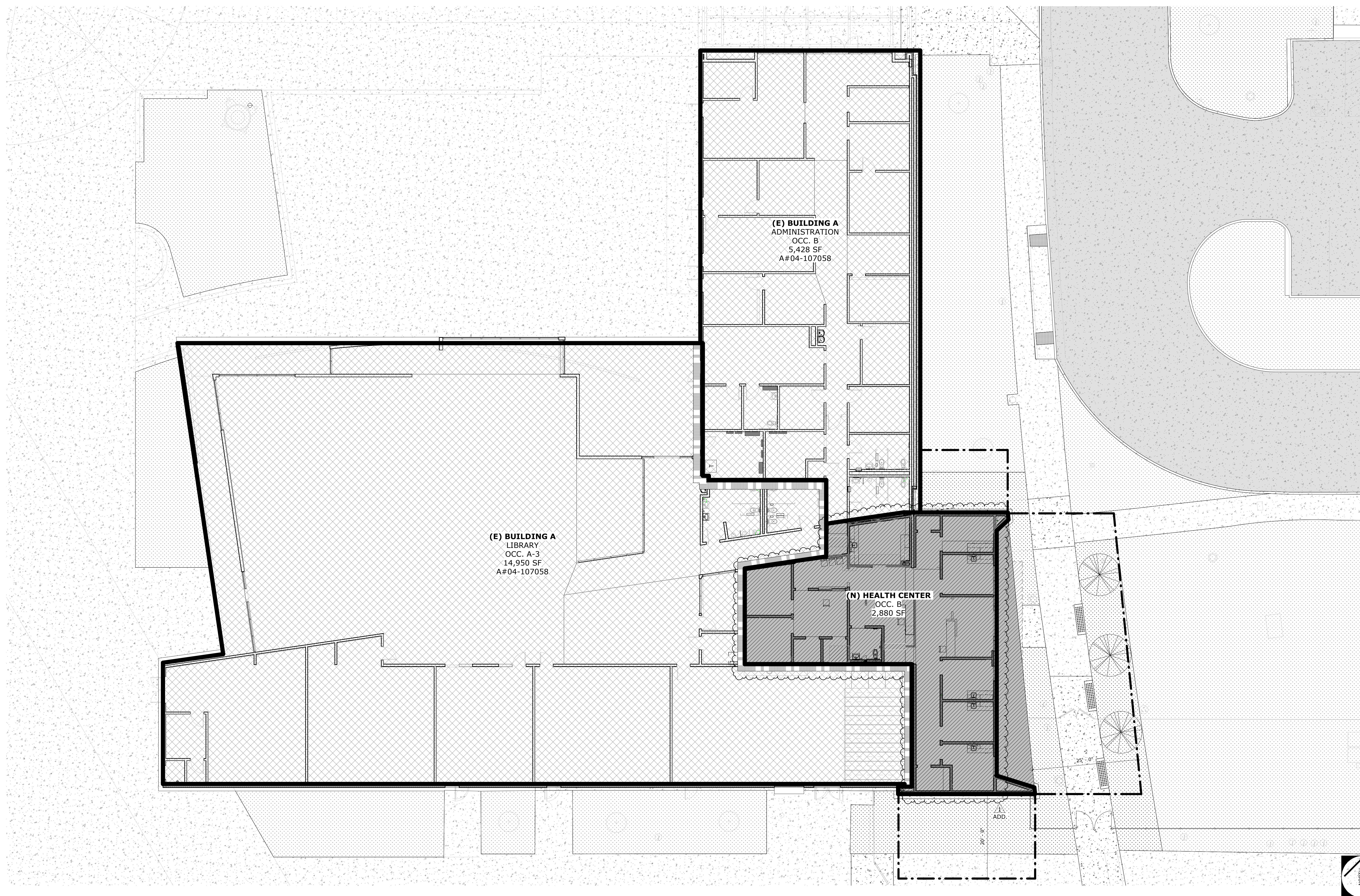
 1 HR FIRE RATED OCCUPANCY SEPARATION

 (E) BUILDING, SEPARATED BY OCCUPANCY, AREA NOT IN CONTRACT

 PROJECTIONS / OVERHANGS
(NOT INCLUDED IN BUILDING AREA CALCULATION)

 NEW BUILDING OR STRUCTURE

 AREA NOT PROVIDED WITH SURROUNDING WALLS,
BUT BELOW THE PROJECTION OF ROOF ABOVE
(INCLUDED IN BUILDING AREA TOTAL)



CODE ANALYSIS PLAN	SCALE: 1" = 10'-0"	1
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BUILDING NUMBER	BUILDING NAME	OCCUPANCY TYPE	CONSTRUCTION TYPE	ALLOWABLE BUILDING HEIGHT (PER 2022 CBC TABLE 504.3)	ACTUAL BUILDING HEIGHT	ALLOWABLE NUMBER OF STORIES (PER 2022 CBC TABLE 504.4 W/ SPRINKLERS)	ACTUAL NUMBER OF STORIES	ALLOWABLE BUILDING AREA (PER 2022 CBC TABLE 506.2)	ALLOWABLE BUILDING AREA (PER 2022 CBC TABLE 506.3) WITH FRONTAGE INCREASE $A_a \cdot A_n + (NS \times I)$	ACTUAL BUILDING AREA		MIXED USED OCCUPANCY	NON SEPARATED OCCUPANCY	SEPARATION BETWEEN OCC. (PER 2022 CBC TABLE 508.4)	SEPARATION BETWEEN INCIDENTAL USES (PER 2022 CBC TABLE 509.1)	AUTO SPRINKLER SYSTEM	FIRE-RESISTIVE RATING REQUIREMENTS FOR BUILDINGS ELEMENTS (PER 2022 CBC TABLE 601)							MAXIMUM AREA OF EXTERIOR WALL OPENING BASED ON FIRE SEPARATION DISTANCE (PER 2022 CBC TABLE 705.8)	REMARKS
																	PRIMARY STRUCT. FRAME	BEARING WALLS		NON-BEARING WALLS		FLOOR CONST.	ROOF CONST.		
																		EXT.	INT.	EXT.	INT.				
A	NEW HEALTH CENTER	B	V-B	60'-0"	23'-0"	3	1	36,000	N/A	2,880 SF	23,258 SF TOTAL AREA	OCC. TYPE 'B' = $\frac{8,308 \text{ SF}}{36,000 \text{ SF}}$	NO	YES		YES	0	0	0	0	0	0	NORTH ELEVATION	20 FT TO LESS THAN 25 FT (UP, S) = NO LIMIT	
	(E) ADMINISTRATION	B			18'-8"					OCC. TYPE 'A' = $\frac{14,950 \text{ SF}}{24,000 \text{ SF}}$		SOUTH ELEVATION											20 FT TO LESS THAN 25 FT (UP, S) = NO LIMIT		
	(E) LIBRARY	A-3			26'-0"					2		24,000											N/A	14,950 SF	

BUILDING CODE ANALYSIS

PROJECT No. :1-78-50
9/11/2025 11:11:52 AM

DRAWN BY: VR, SK, AT

DELTA # 1 DATE 9/xx/25

DELTA # _____ DATE _____

DELTA # _____ DATE _____

DELTA # _____ DATE _____

CHECKED BY: JC

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RUHNAUCLARKE.COM

3725 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438-5861

INDIAN SPRINGS HIGH SCHOOL HEALTH CENTER
INDIAN SPRINGS HIGH SCHOOL
650 N DEL ROSA DR, SAN BERNARDINO, CA 92410
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

CODE ANALYSIS FLOOR PLAN

G-2

1-78-50

INDIAN SPRINGS HIGH SCHOOL HEALTH CENTER:



STAMP

CONSULTANT BRANDIN

1. SEE SHEET **G-2** FOR BUILDING CODE ANALYSTS INFORMATION
2. DOORS SERVING ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE ARE REQUIRED TO HAVE PANIC HANDLES OR FIRE EXIT HARDWARE, PER SECTION 1010.2.9 IN THE CBC 2022.
3. NEW ROOM OCCUPANT LOADS FACTORED PER CBC 2022 SECTION 1004, TABLE 1004.5, UNCHANGED EXISTING ROOM OCCUPANT LOADS WERE PREVIOUSLY APPROVED UNDER A.P. 40-107058.
4. REFER TO SECTION 10 14 23 FOR MORE INFORMATION ON SIGNAGE.
5. SEE SHEETS **AD-1.0 & AD-1.1** FOR SIGNAGE ATTACHMENTS AND LOCATIONS.
6. ALL SINGLE DOORS TO HAVE A 90 DEGREE SWING LIMIT WHERE TACTILE SIGNAGE IS LOCATED ON HINGE SIDE OF DOOR ON OUTSWINGING SIDE OF DOOR.
7. TYPICAL AT PAIRS OF DOORS: WHEN POSSIBLE TACTILE SIGNAGE SHALL BE PLACED AT RIGHT SIDE OF DOORS.
8. SEE SHEET **A1-8.0** FOR DOOR AND WINDOW INFORMATION

ROOM TAG

Room name
TYP. 1001

Room NUMBER
ROOM AREA
Room Area
OCCUPANT LOAD

OCCUPANT LOAD FACTOR

ROOM OCCUPANCY DISCHARGE

NON-OCCUPIED ROOM

TOTAL OCCUPANCY DISCHARGE

EGRESS PATH, EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED 300 FT IN SPRINKLERED BUILDINGS, PER CBC SECTION 1017.2

EXISTING SEMI-RECESSED FIRE EXTINGUISHER

RECESSED FIRE EXTINGUISHER CABINET PER DETAIL

SURFACE-MOUNTED FIRE EXTINGUISHER, SEE DETAIL

PROJECT SCOPE OF WORK LIMIT

TYP. NEW WOOD STUD NON-RATED WALL
REFER TO WALL TAG FOR MORE INFO.

TYP. NEW WOOD STUD RATED WALL ASSEMBLY
REFER TO WALL TAGS ON **SHEET A1-1.0** FOR MORE INFO.

1-HR FIRE RATED WALL ASSEMBLY

1-HR FIRE RATED WALL ASSEMBLY

SEE ALSO SPEC SECTION 10 44 00.
PER CBC 2022 SECTION 906. MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER SHALL BE 75'-0"

6
AD-1-1

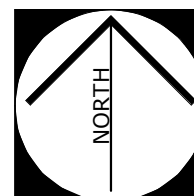
7
AD-1-1

ISA (WHERE INDICATED ON PLAN)					
	ROOM NUMBER ROOM NAME		EXIT	EXIT SIGN	
	ROOM NUMBER ROOM NAME		OCC ##	MAXIMUM OCCUPANT LOAD SIGN NUMBER OF OCCUPANTS	
	BOY'S/MEN'S DOOR SIGN			ASSISTIVE LISTENING SIGNAGE	
	GIRL'S/WOMEN'S DOOR SIGN			NUMBER OF UNITS	
	GIRL'S/WOMEN'S WALL SIGN		FSR	FIRE RISER INSIDE	
	BOY'S/MEN'S WALL SIGN		NEX	NOT AN EXIT SIGN	
	UNISEX DOOR SIGN		DER	DIRECTIONAL EXIT ROUTE SIGN	
	UNISEX WALL SIGN				
	ILLUMINATED EXIT SIGN, WALL MOUNTED ABOVE DOOR OPENING OR CEILING MOUNTED, REFER TO ELECT. DWGS. FOR MORE INFO.				
	ILLUMINATED EXIT SIGN, CEILING MOUNTED W/ DIRECTIONAL ARROW, REFER TO ELECT. DWGS. FOR MORE INFO.				
	INDICATES SIGN LOCATION				

ROOM NAME	ROOM #	# OF OCC	# OF RECEIVERS REQUIRED = (# OF SEATS)(4%)	# OF HEARING-AID COMPATIBLE RECEIVERS = (# OF RECEIVERS)(25%)	TOTAL # OF RECEIVERS PROVIDED
CONFR.	111	14	(14 OCC)(0.04)=0.56, 2 PROVIDED (SEE NOTES)	(2 RECEIVERS)(0.25) = 0.25, 2 PROVIDED (SEE NOTES)	2 H.A.C. REC.
			TOTAL # OF RECEIVERS PROVIDED	0 STANDARD RECEIVERS 2 HEARING AID COMPATIBLE RECEIVERS	

NOTES:
1. PER CBC SECTION 11B-219.3, THE MIN. # OF RECEIVERS TO BE PROVIDED SHALL BE EQUAL TO 4% OF TOTAL # OF OCCUPANTS, BUT IN NO CASE LESS THAN TWO. 25% MIN. OF RECEIVERS PROVIDED, BUT NO FEWER THAN TWO, SHALL BE HEARING-AID COMPATIBLE.

INDIAN SPRINGS HIGH SCHOOL HEALTH CENTER:



PROJECT No. :1-78-50
9/11/2025 11:11:57 AM

DRAWN BY: VR, SK, AT CHECKED BY: JC

DELTA # <u>1</u>	DATE <u>9/xx/25</u>	☐ ADD	☐ AFO	☐ CCD	☐ REV
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INDIAN SPRINGS HIGH SCHOOL HEALTH

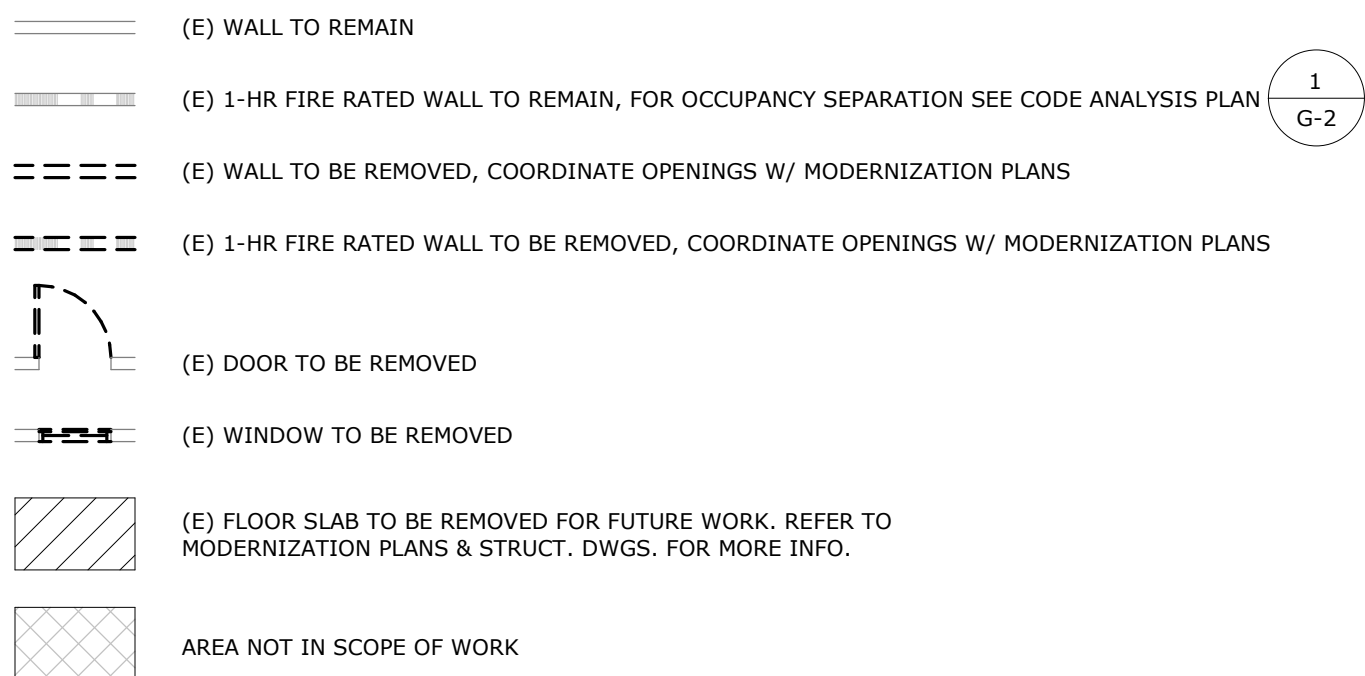
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DR, SAN BERNARDINO, CA 92410
CITY UNIFIED SCHOOL DISTRICT

EGRESS & SIGNAGE PLAN

G-4

1.78.50

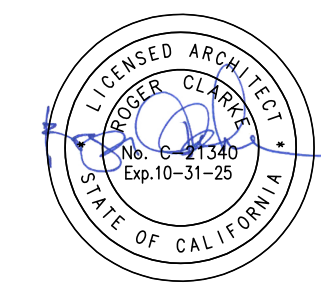
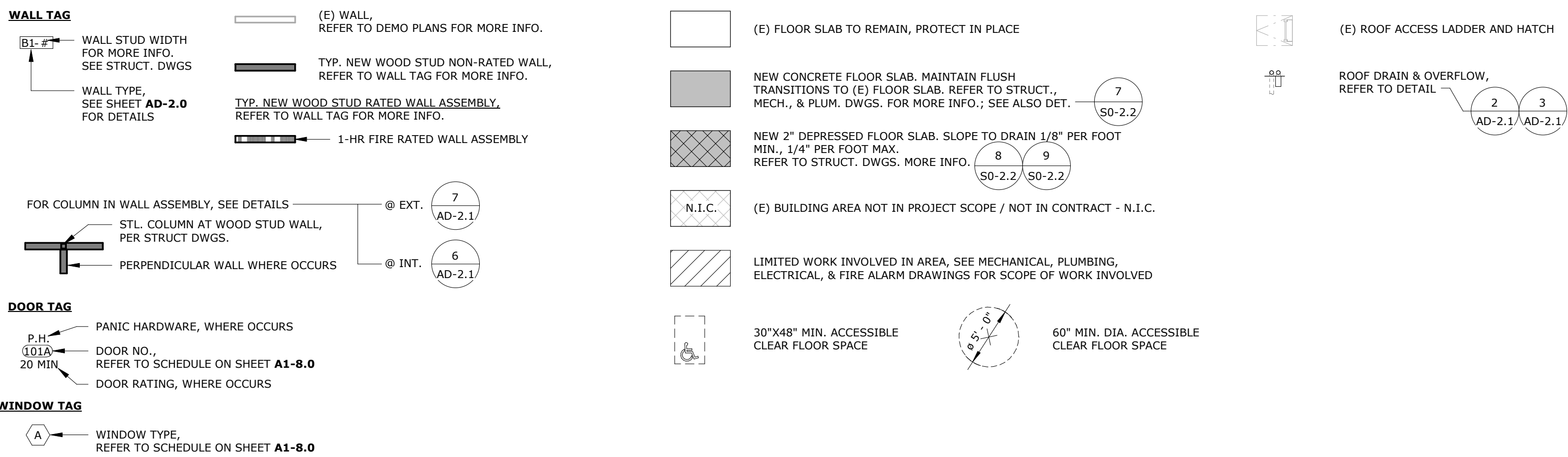
DEMOLITION LEGEND



DEMOLITION GENERAL NOTES

1. WHERE DEMOLITION WORK HAS OCCURRED AT EXISTING WALL CONSTRUCTION AND THE EXISTING FINISHES HAVE BEEN DAMAGED AS A RESULT, THE CONTRACTOR SHALL REPLACE EXISTING WALL, FRAMING MEMBERS AND WALL FINISHES TO MATCH EXISTING.
2. VERIFY WITH ARCHITECT BEFORE ALTERING OR REMOVING ANY STRUCTURAL ITEMS INCLUDING BUT NOT LIMITED TO FLOOR DOWNING, SHEAR WALLS, & BEARING WALLS UNLESS OTHERWISE SHOWN ON THE SUBMITTALS. ALL ALTERATIONS AND DETAILS ARE APPROVED BY THE DEPARTMENT OF THE STATE ARCHITECT.
3. PROTECT ITEMS TO REMAIN.
4. NO DEMOLITION SHALL BEGIN UNTIL PLANS, INCLUDING DEMOLITION WORK, HAVE BEEN APPROVED BY DDM.
5. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
6. ALL DIMENSIONS ARE TO FACE OF STUD, CENTERLINE OF COLUMN OR EDGE OF SLAB, U.N.O.

LEGEND



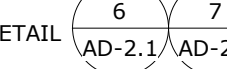
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File No: 16-17 A# 04-123900

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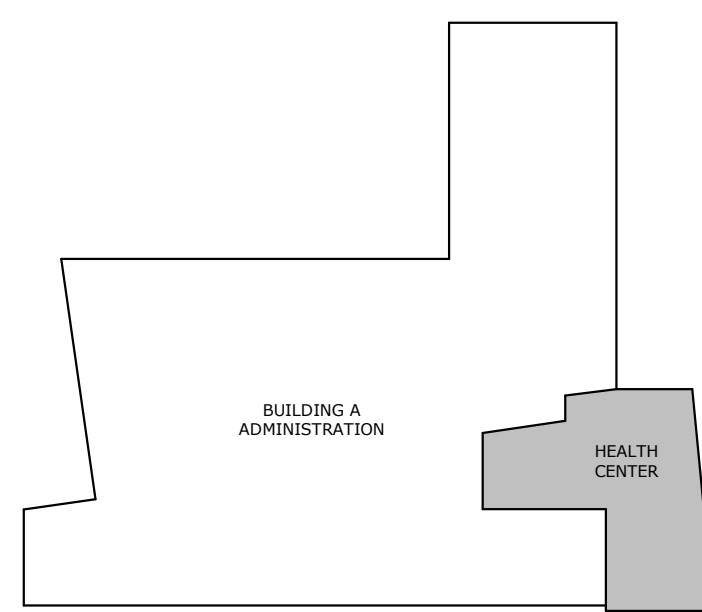
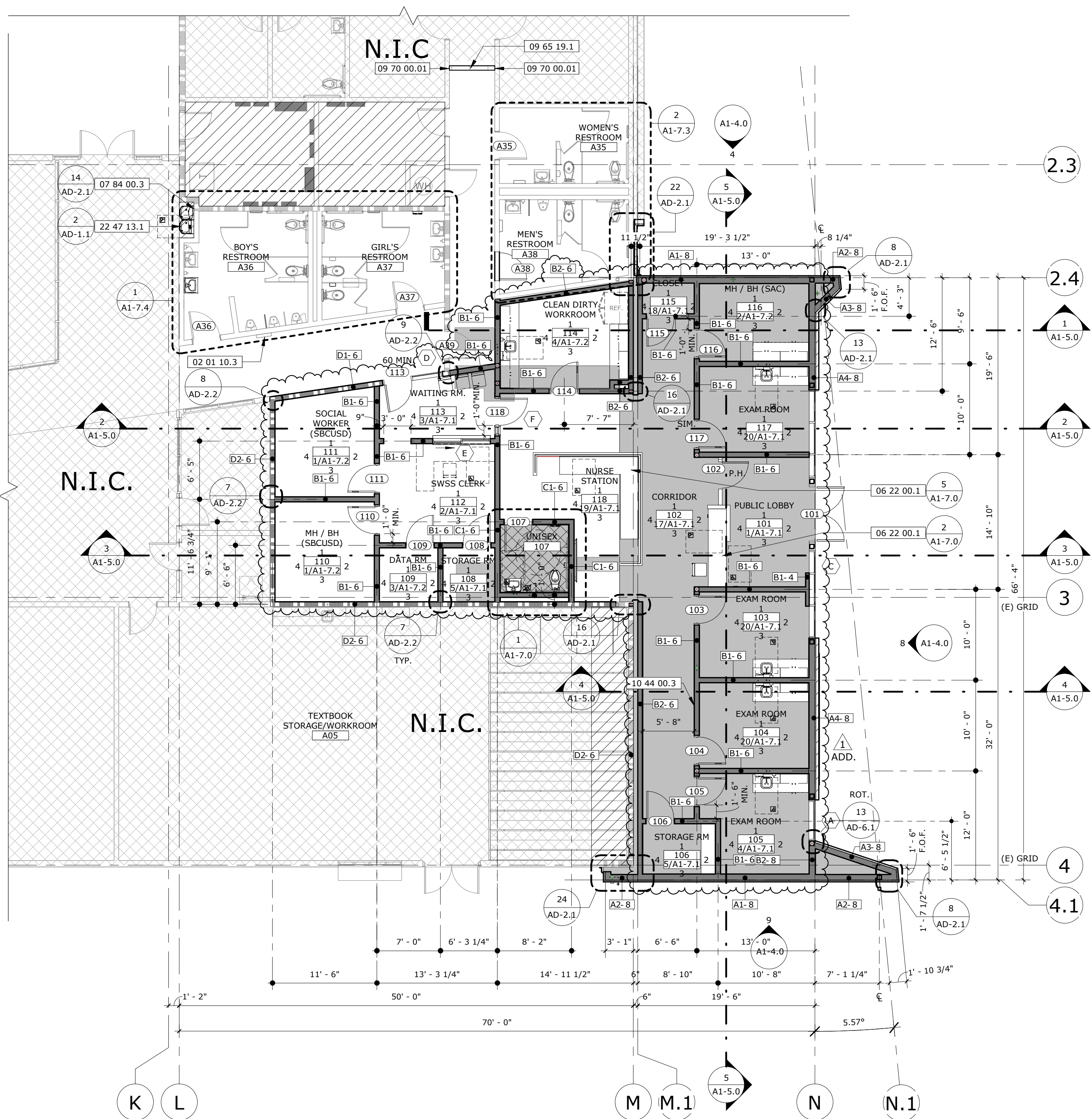
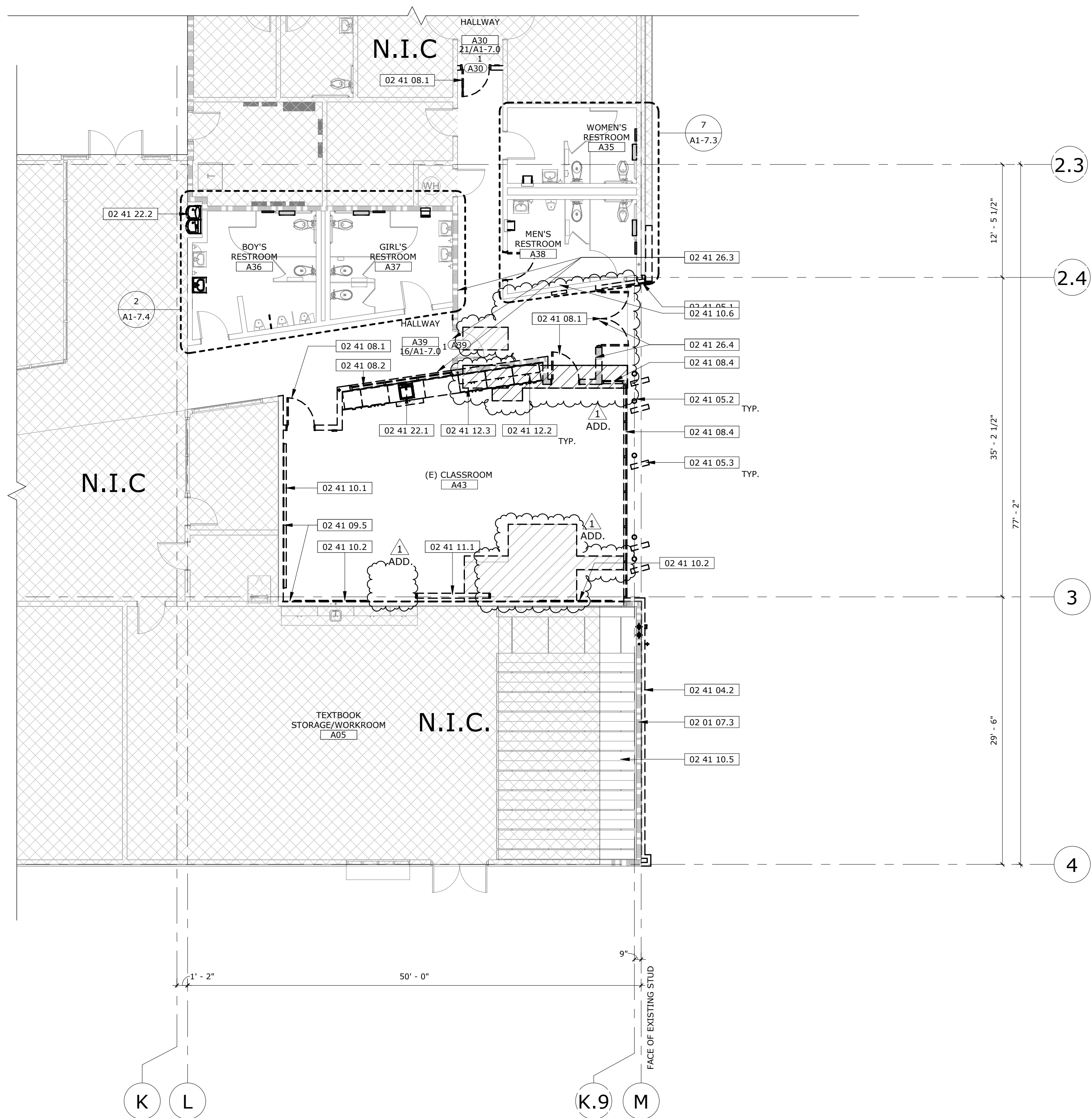
STAMPS

CONSULTANT BRANDING

GENERAL NOTES

1. VERIFY ALL DIMENSIONS FIRST TO CONSTRUCTION.
 2. ALL DIMENSIONS ARE TO FACE OF STUD, CENTERLINE OF COLUMN OR EDGE OF SLAB, U.N.O.
 3. SEE **SHEET AD-2.0** FOR WALL TYPE INFORMATION.
 4. FOR SHEAR WALL INFORMATION REFER TO STRUCTURAL DRAWINGS. AT LOCATIONS WHERE SHEAR WALL PANEL STOPS, PLYWOOD OF EQUAL THICKNESS SHALL BE INSTALLED ALONG REMAINING PORTION OF WALL TO MAINTAIN CONSISTENT FACE OF FINISH SURFACE.
 5. PROVIDE **R-25** THERMAL BATT INSULATION AT ALL EXTERIOR WALLS, U.N.O.
 6. PROVIDE STUD BRACING AND SUPPORT FOR ALL WALL MOUNTED FIXTURES AND ACCESSORIES
- PER DETAIL 
7. SEE **SHEET AI-8.0** FOR DOOR AND WINDOW INFORMATION
 8. SET DOORS ADJACENT TO WALLS A MIN. OF 6" AWAY FROM WALL U.N.O.
 9. PROVIDE ACOUSTICAL BATT INSULATION, IN WALL STUD CAVITY, AT ALL OFFICES, CONFERENCE ROOMS, AND RESTROOMS.
 10. FOR TYPICAL INTERIOR WALL AT COLUMN CORNER, REFER TO DETAIL 
 11. AT ALL INTERIOR WALLS, GYPSUM BOARD AND ACOUSTICAL INSULATION SHALL EXTEND FULL HEIGHT OF WALL TO UNDERSIDE OF ROOF STRUCTURE.
 12. ALL CEILING OPEN TO STRUCTURE. SHALL HAVE GYPSUM BOARD EXTEND FULL HEIGHT OF WALL TO UNDERSIDE OF ROOF STRUCTURE.

KEYNOTES

[illegible]**INDIAN SPRINGS HIGH SCHOOL HEALTH CENTER:**

PROJECT No. :1-78-50
9/11/2025 11:10:39 AM

DRAWN BY: VR, SK, AT CHECKED BY: JC

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DEMOLITION FLOOR PLAN

NEW FLOOR PLAN

KEY PLAN

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INDIAN SPRINGS HIGH SCHOOL HEALTH

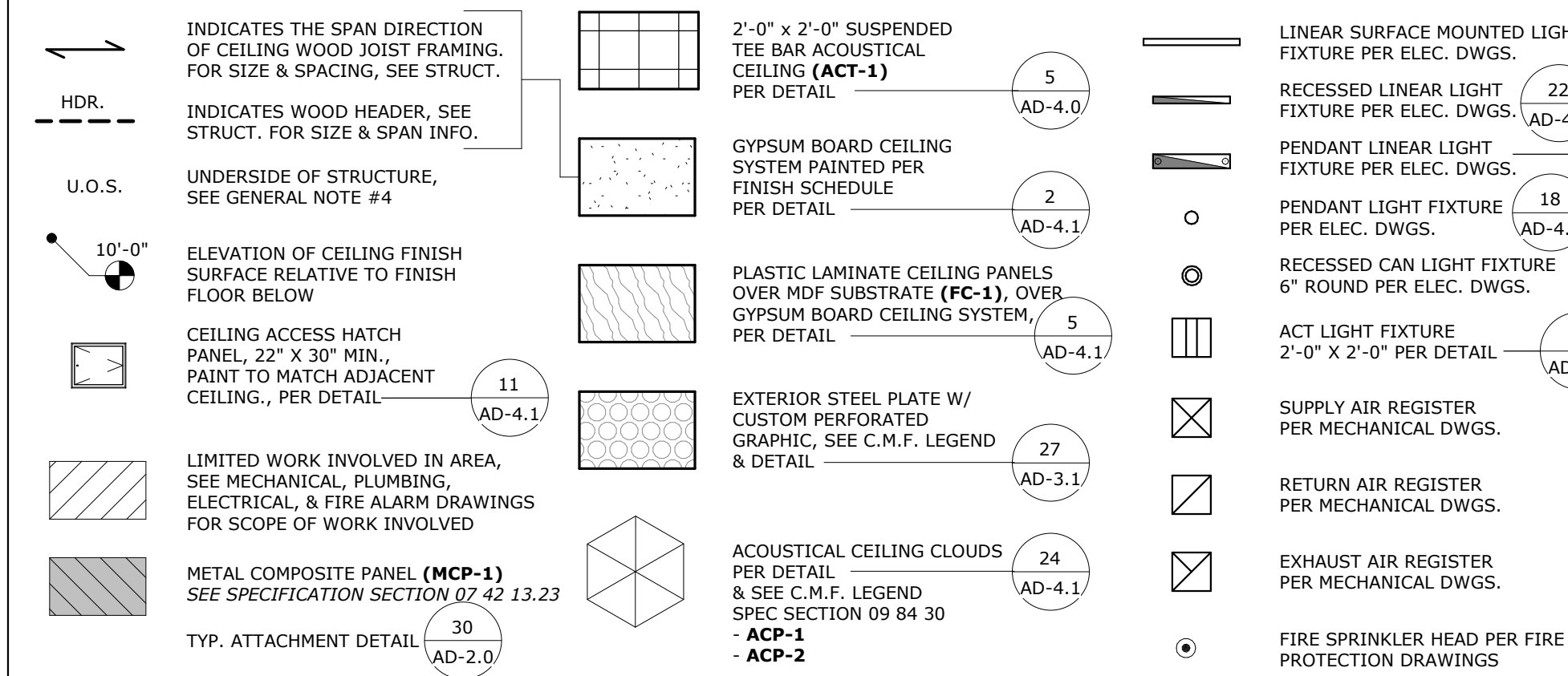
INDIAN SPRINGS HIGH SCHOOL
650 N DEL ROSA DR, SAN BERNARDINO, CA 92410
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

DEMO & NEW FLOOR PLANS

A1-1.0

1-78-50

NEW LEGEND



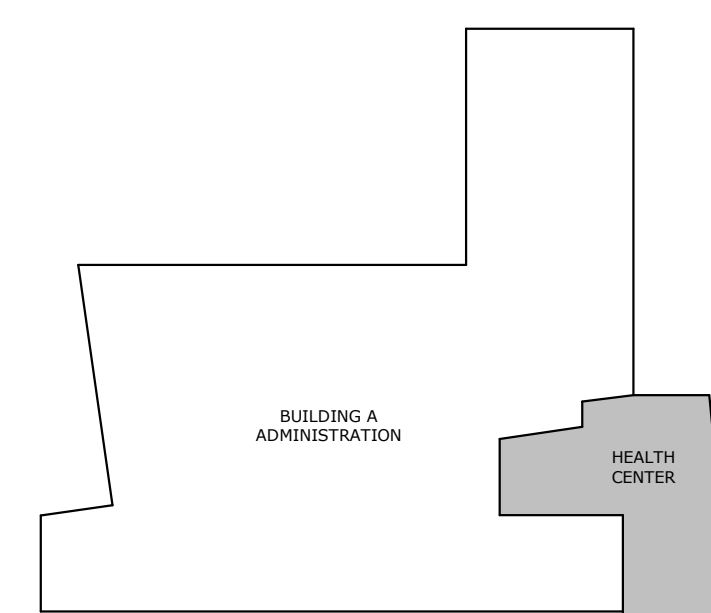
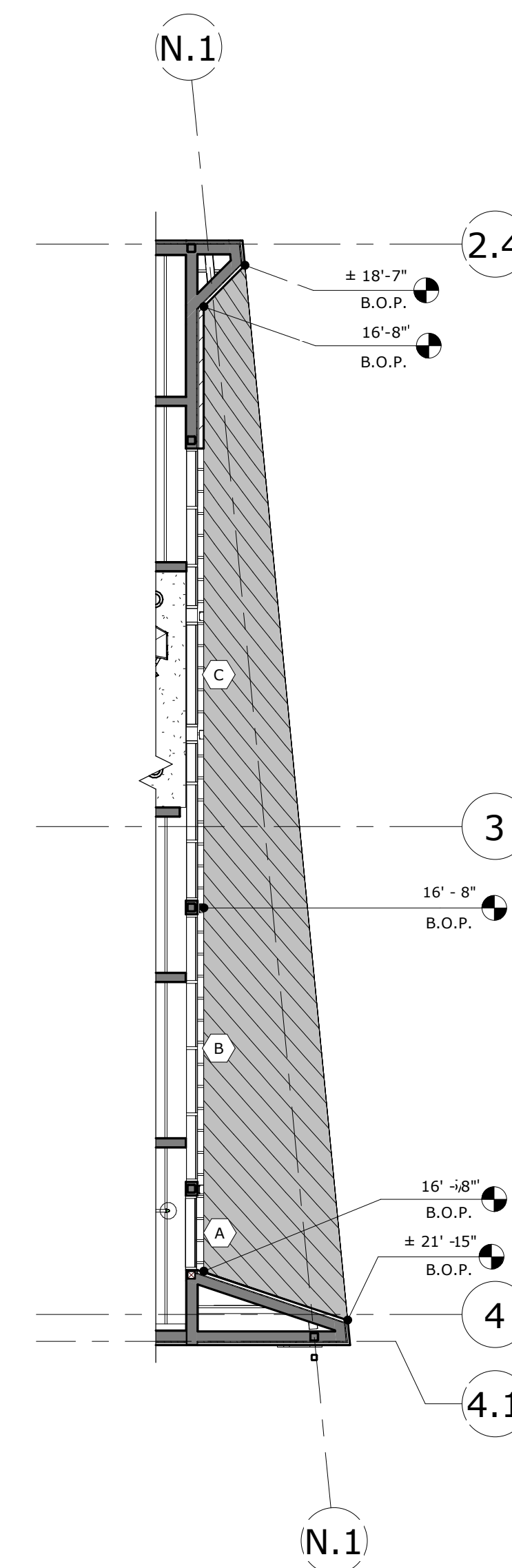
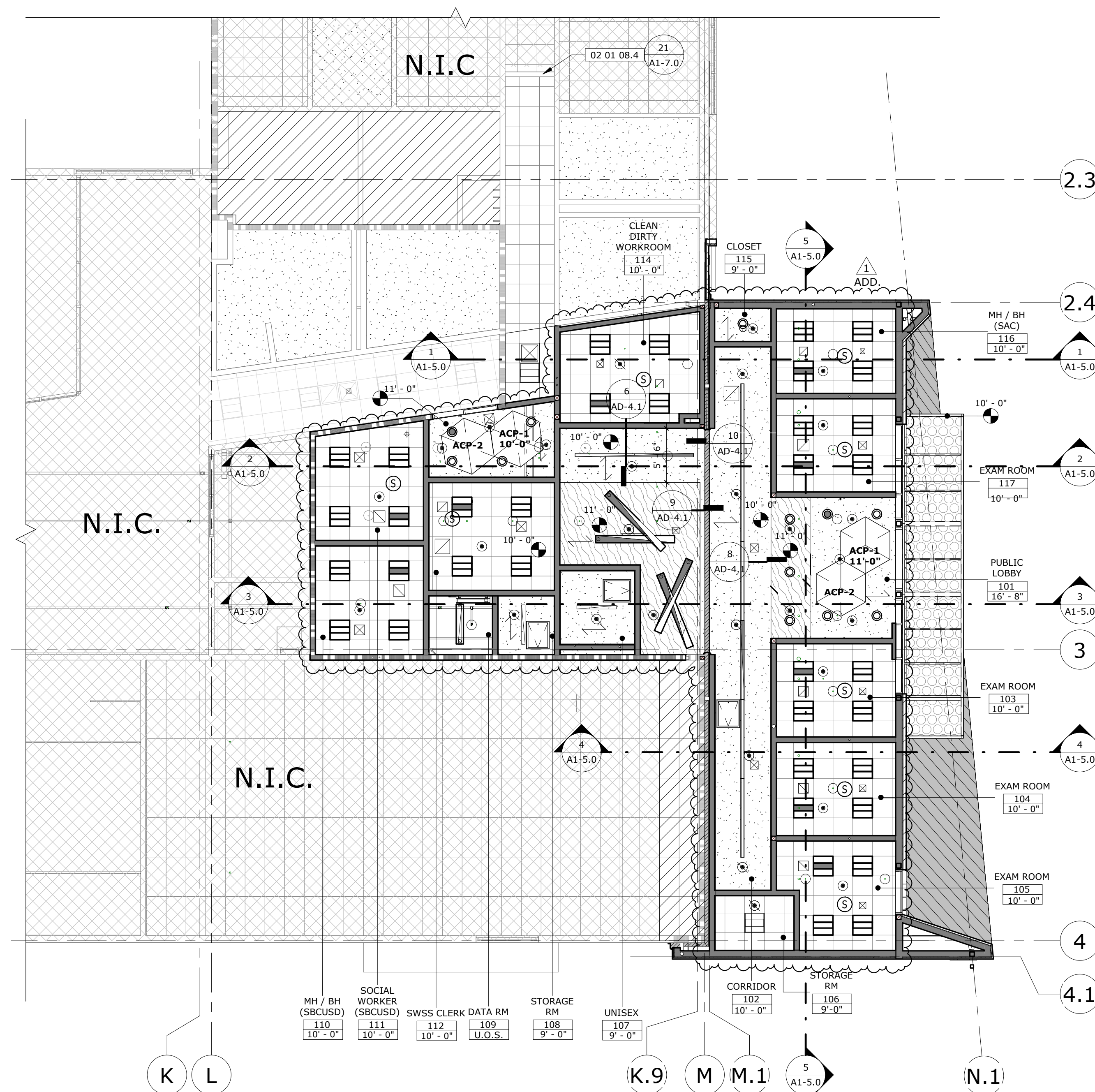
RUHNAU
CLARKE
ARCHITECTS

STAMPS

CONSULTANT BRANDIN

1. ALL LIGHT FIXTURES TO BE CENTERED IN SPACE, U.N.O..
2. ALL CEILING HEIGHTS ARE RELATIVE TO THE FINISH FLOOR DIRECTLY BENEATH.
3. ACOUSTICAL CEILING TILES AND GRID TO BE CENTERED IN ROOM. SEE **SHEET AD-9.0** FOR SUSPENDED CEILING SEISMIC BRACING DETAILS AND TRAPEZE DETAILS
4. ALL EXPOSED STRUCTURE TO BE COVERED WITH BLACK SCRIM PAPER FASTENED TO BOTTOM OF JOISTS. ALL MECHANICAL (INCLUDING REGISTERS), ELECTRICAL, PLUMBING, HANGER, BRACING, HANGING WIRE, ETC. BELOW BLACK SCRIM PAPER TO BE PAINTED BLACK TO MATCH. REFER TO U.O.S. CEILINGS ON RCP AND IN FINISH SCHEDULE. ALL SUPPLIES AND RETURN REGISTERS TO BE PRE-FINISHED TO MATCH SCRIM PAPER COLOR.
5. ALL MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT TO BE SECURED AS TIGHT AS POSSIBLE TO CEILING STRUCTURE.
6. ALL CONDUIT IN EXPOSED AREAS WHERE CEILING STRUCTURE IS EXPOSED CAN ONLY PENETRATE WALLS AT ROOF / FLOOR DECK.
7. REFER TO ELECTRICAL & MECHANICAL DRAWINGS FOR CEILING COMPONENT CALLOUTS AND FIXTURE TYPES
8. PAINT ALL SUPPLY & RETURNS OF ALL ACCENT PAINTED CEILING AREAS

02 01 04.01	EXISTING SOFFIT TO REMAIN, PATCH & REPAIR WALL TO MATCH EXISTING
02 01 04.02	(E) CMU VENEER SYSTEM TO BE REMOVED FROM THIS FACE OF WALL. (E) WOOD STUD WALL, PATCH & REPAIR IN PLACE
02 01 05.02	REMOVE EXISTING PLASTER SYSTEM, REPAIR THE STRUCTURAL SUPPORT OF WINGWALLS, ABOVE GROUND. CUT & GRIND SMOOTH
02 01 05.03	DEMO EXISTING MALL SUSPENDED WING WALL SYSTEM
02 01 06.04	EXISTING EXISTING STOREFRONT
02 01 09.04	(E) EXTERIOR PLASTER SYSTEM, COPING TO BE REMOVED FROM THIS FACE OF WALL. (E) WOOD STUD WALL & PLASTER SYSTEM ABOVE (E) ROOF TO REMAIN, PROTECT IN PLACE
02 01 09.06	REMOVE EXISTING STORE, & REPLACE EXISTING CEILING TILES AS NEEDED FOR INSTALLATION OF NEW WORK
02 01 11.01	DEMO EXISTING WALL MOUNTED PROJECTION SCREEN
02 01 11.02	REMOVE EXISTING WALL MOUNTED SHORT PROTRUDER PROJECTOR, RETURN TO OWNER
02 01 26.05	REMOVE EXISTING ILLUMINATED EXIT SIGN, REPAIR/REPLACE CEILING TILE TO MATCH EXISTING

**INDIAN SPRINGS HIGH SCHOOL HEALTH CENTER:**

NEW REFLECTED CEILING PLAN	SCALE: $1/8" = 1'-0"$	2	PARTIAL (N) RCP	SCALE: $1/8" = 1'-0"$
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KEY PLAN

PROJECT No. :1-78-50
9/11/2025 11:10:45 AM

DRAWN BY: VR, SK, AT CHECKED BY: JC

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**INDIAN SPRINGS HIGH SCHOOL HEALTH
CENTER**
INDIAN SPRINGS HIGH SCHOOL
650 N DEL ROSA DR, SAN BERNARDINO, CA 92410
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

BUILDING
DEMO & NEW RCP

A1-2.0

1.78.50

DEMOLITION LEGEND

DEMOLITION GENERAL NOTES

LEGEND

EXISTING CLASS 'A' MEMBRANE ROOFING SYSTEM, PROTECT IN PLACE OR PATCH & REPAIR IN KIND FOR DISTURBED AREAS SPEC SECTION 07 54 00

DEMO PORTION OF EXISTING CLASS 'A' MEMBRANE ROOFING SYSTEM

EXISTING WALKWAY PADS TO REMAIN, PROTECT IN PLACE

EXISTING PARAPET WALL, & FLASHING/PARAPET CAP TO REMAIN, PROTECT IN PLACE

EXISTING WOOD STUD PARAPET WALL & EXT. FINISH TO REMAIN, PROTECT IN PLACE, DEMO FLASHING/PARAPET CAP FOR NEW WORK, SEE KEYNOTES FOR MORE INFO.

DEMO PORTION OF EXISTING WALKWAY PAD

EXISTING ROOF SLOPE TO REMAIN, ARROW IN DIRECTION TOWARDS EXISTING DRAIN & DOWNSPOUTS

ELEVATION LOCATION

SPOT ELEVATION ABOVE EXISTING LEVEL 1 FINISH FLOOR SURFACE

EXISTING ROOF DRAIN TO REMAIN, CLEAR ANY DEBRIS & PROTECT IN PLACE

EXISTING ROOF ACCESS HATCH TO REMAIN, PROTECT IN PLACE

EXISTING EXHAUST FAN MECHANICAL EQUIPMENT TO REMAIN, PROTECT IN PLACE; SEE MECH. DWGS. FOR MORE INFO

EXISTING ROOFTOP MECHANICAL EQUIPMENT TO REMAIN, PROTECT IN PLACE; SEE MECH. DWGS. FOR MORE INFO

- AT LOCATIONS WHERE ELEMENTS ARE TO BE REMOVED, PATCH AND REPAIR ALL SURFACES AS REQUIRED TO MATCH ADJACENT MATERIALS AND FINISHES UNLESS NOTED OTHERWISE.
- VERIFY WITH ARCHITECT OF RECORD PRIOR TO ALTERING OR REMOVING ANY STRUCTURAL ELEMENTS INCLUDING BUT NOT LIMITED TO HOLD DOWNS, SHEAR WALLS, BEARING WALLS UNLESS IDENTIFIED ON THE DRAWINGS AND APPROPRIATE DETAILS ARE APPROVED BY THE DIVISION OF THE STATE ARCHITECT.
- RESTORE ALL SURROUNDING AREAS AFFECTED BY THE NEW WORK.
- PROTECT IN PLACE ALL ELEMENTS TO REMAIN
- LIMITS OF ROOF DEMOLITION WORK SHOWN IS APPROXIMATE. THE CONTRACTOR SHALL VERIFY EXACT LIMITS OF ROOF DEMOLITION BASED ON LOCATIONS OF ALL NEW EQUIPMENT, PENETRATIONS AND EXISTING ROOFTOP EQUIPMENT TO BE DEMOLISHED.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO DEMOLITION/CONSTRUCTION; INCLUDING TO VERIFY (E) ROOF SLOPES.

CLASS 'A' THERMOPLASTIC MEMBRANE ROOFING SYSTEM SPEC SECTION 07 54 00

EXISTING MEMBRANE ROOFING SYSTEM, PROTECT IN PLACE OR PATCH & REPAIR IN KIND FOR DISTURBED AREAS SPEC SECTION 07 54 00

WALKWAY PADS SPEC SECTION 07 54 00

EXTERIOR STEEL PLATE W/ CUSTOM PERFORATED GRAPHIC, SEE C.M.F. LEGEND & DETAIL

ROOF CRICKET - MIN. 2% SLOPE TO ROOF AND OVERFLOW DRAINS MAINTAIN MIN. SLOPE ALONG FLOW LINES PER SPECIFICATIONS, I.N.G.O. CLASS 'A' MEMBRANE ROOF ASSEMBLY TO MATCH ADJ. ROOFING FIELD OVER SHAPED & TAPERED RIGID INSULATION.

PARAPET WALL, FOR TYP. FLASHING/PARAPET CAP INFO, SEE DETAILS ON SHEET AD-3.0

NOTE: REFER TO COLORS, MATERIALS, AND FINISHES LEGEND ON SHEET ID-1.0 FOR ADDITIONAL INFORMATION

ROOF SLOPE ARROW IN DIRECTION TOWARDS DRAIN & DOWNSPOUTS

ELEVATION LOCATION

SPOT ELEVATION ABOVE LEVEL 1 FINISH FLOOR SURFACE

WALL TAG

WALL STUD WIDTH FOR MORE INFO, SEE STRUCT. DWGS

WALL TYPE, SEE SHEET AD-2.0 FOR DETAILS

ROOF DRAIN WITH SEPARATE OVERFLOW LINE, SEE DETAIL

ROOF FALL PROTECTION SYSTEM, SEE DETAIL

EXHAUST FAN MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS

ROOFTOP MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS AND STRUCTURAL ROOF FRAMING PLAN, AND ARCH DETAIL

ROOFTOP MECHANICAL EQUIPMENT, SEE MECHANICAL DRAWINGS AND STRUCTURAL ROOF FRAMING PLAN, AND ARCH DETAIL

AGENCY APPROVAL
10/10/2025 11:05:51 AM

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STAMPS

CONSULTANT BRANDING

GENERAL NOTES

- SEE DETAIL 3 FOR TYPICAL ROOF ASSEMBLY.
- FOR PIPE VENT PENETRATIONS THROUGH ROOF, REFER TO DETAIL 8 FOR TYP. INFO.
- ALL CRICKETS SHALL BE SHAPED WITH RIGID INSULATION WITH A MIN. 1.5% SLOPE TO ROOF AND OVERFLOW DRAINS.
- PROVIDE 36" WIDE CONTINUOUS WALKWAY TREAD FROM THE LANDING OF EACH ROOF ACCESS HATCH TO EACH MECHANICAL UNIT. TREAD AT EACH UNIT TO SURROUND PERIMETER
- AT MECHANICAL EQUIPMENT, REFER TO DETAIL 14 FOR ROOF CURB
- CONTRACTOR TO VERIFY (E) ROOF SLOPES PRIOR TO DEMOLITION/CONSTRUCTION
- PROVIDE MIN. R-30 RIGID INSULATION AT NEW ROOFS OVER CONDITIONED SPACE

KEYNOTES

- 02 01 07.1 EXISTING ROOF TO REMAIN, PROTECT IN PLACE
- 02 01 07.2 EXISTING SHADE CANOPY TO REMAIN, PROTECT IN PLACE
- 02 01 10.2 EXISTING SCHOOL IDENTIFICATION SIGNAGE & RAIL MOUNTS TO REMAIN, PROTECT IN PLACE
- 02 01 22.1 EXISTING ROOF DRAIN TO REMAIN, CLEAR ANY DEBRIS & PROTECT DRAIN IN PLACE
- 02 01 22.2 EXISTING HOSE BIBB TO REMAIN, PROTECT IN PLACE; SEE MECH DWGS. FOR MORE INFO.
- 02 41 00.7.1 DEMO EXISTING ROOF
- 02 41 07.1 DEMO PORTION OF EXISTING ROOF FOR INSTALLATION OF NEW MECH EQUIPMENT
- 02 41 09.4 (E) EXTERIOR PLASTER SYSTEM & COPING TO BE REMOVED FROM THIS FACE OF WALL. (E) WOOD STUD WALL & PLASTER SYSTEM ABOVE (E) ROOF TO REMAIN, PROTECT IN PLACE
- 05 51 33.1 METAL CROSSOVER LADDER
- 07 01 50.1 PATCH & REPAIR DISTURBED AREA WITH NEW ROOFING IN KIND, TO MATCH EXISTING CONDITION, FOR INSTALLATION OF NEW MECH EQUIPMENT
- 07 95 13.2 EXTERIOR ROOF EXPANSION JOINT COVER

PV & BATTERY STORAGE CALCS.

CONDITIONED FLOOR AREA (CFA) = 1,400 SF

CLIMATE ZONE = 10

BUILDING TYPE = SCHOOL

PV CAPACITY FACTOR (A) PER 2022 CA ENERGY CODE, TABLE 140.10-A = 1.63

BATTERY STORAGE CAPACITY FACTOR (B) PER 2022 CA ENERGY CODE, TABLE 140.10-B = 1.87

PV SYSTEM SIZE REQUIRED

KW/PVDC = (CFA X A) / 1000

= (1,400 X 1.63) / 1000

= 2,282 KW

EXEMPT PER DSA IR N-3, SECTION 2.1.2

OF PV PANELS REQUIRED

2,282 KW X 1000 = 2,282 W

2,282 W / 435 W = 6 PV PANELS

6 PANELS X 25.5 SF = 153 SF

BATTERY STORAGE SYSTEM SIZE REQUIRED

PERMITS PER DSA IR N-3, SECTION 3

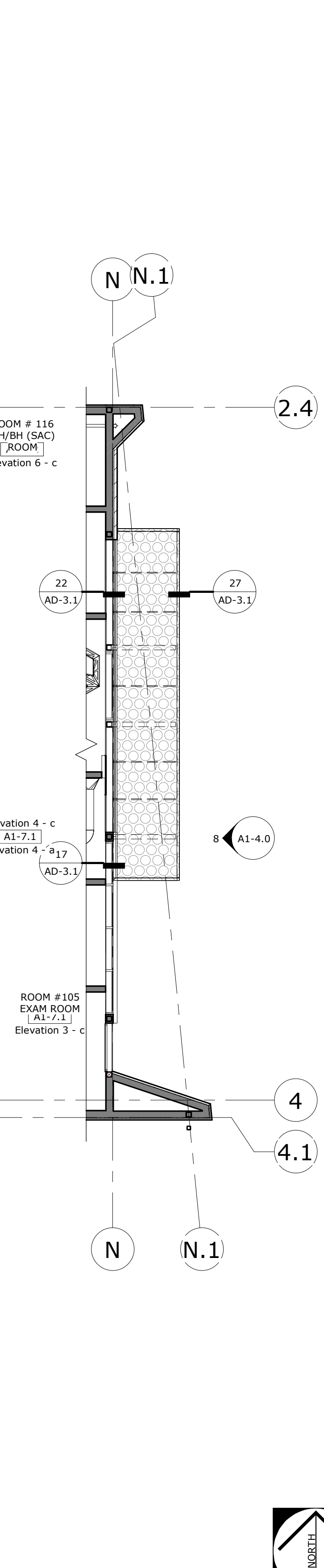
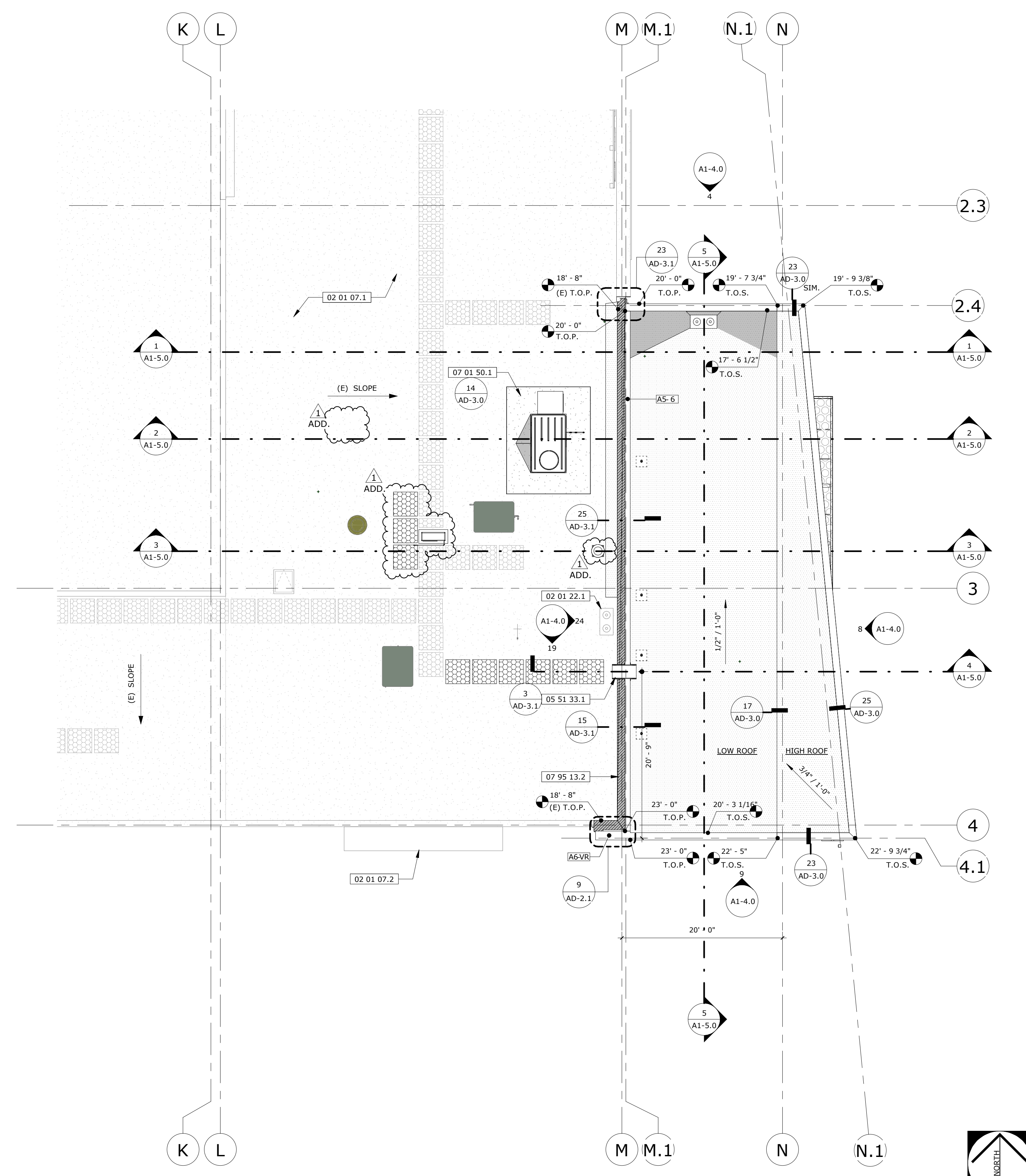
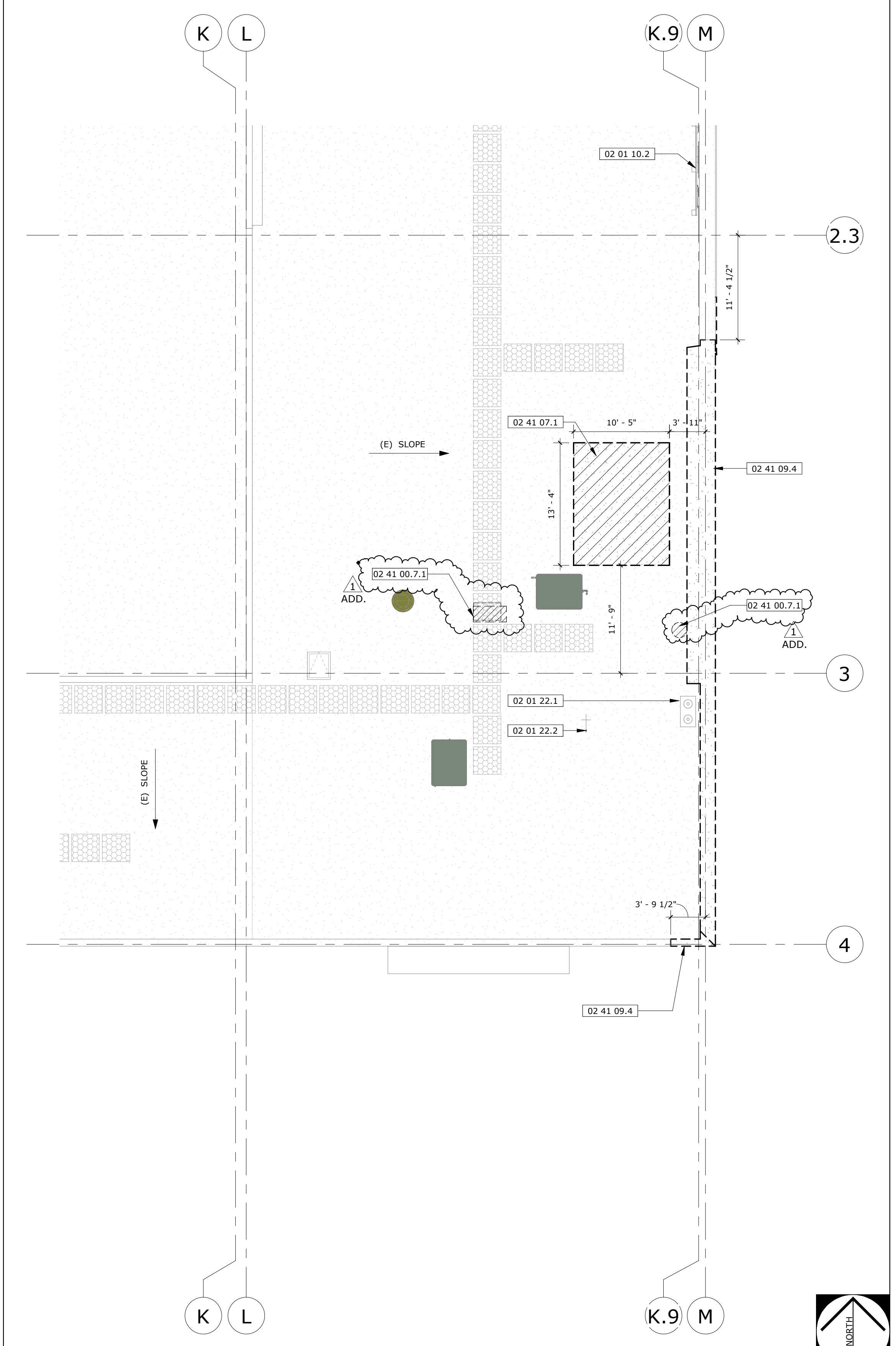
(NO PV REQUIRED = NO BATTERY STORAGE REQUIRED)

INDIAN SPRINGS HIGH SCHOOL HEALTH CENTER:

KEY PLAN

BUILDING A ADMINISTRATION

HEALTH CENTER



DEMOLITION ROOF PLAN 3

NEW ROOF PLAN 2

PART. (N) ROOF 1



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GENERAL NOTES

1. CONTRACTOR TO COORDINATE ALL EXTERIOR ROOF OPENINGS & VENTS WITH MECHANICAL, ELECTRICAL, STRUCTURAL & PLUMBING DRAWINGS PRIOR TO ROUGH-IN.
2. SEE DETAILS  &  FOR TYPICAL ROOF VENT PENETRATION DETAIL.
3. PROVIDE **R-30** RIGID INSULATION AT NEW ROOFS OVER CONDITIONED SPACE.
4. SEE DETAIL  FOR TYPICAL ROOF CONSTRUCTION ASSEMBLY.
5. PROVIDE **R-15** BATT INSULATION AT ALL EXTERIOR WALLS, U.N.O. GYPSUM BOARD AND INSULATION SHALL EXTEND FULL HEIGHT OF WALL TO UNDERSIDE OF ROOF STRUCTURE
6. ALL EXPOSED STRUCTURE, INCLUDING MECHANICAL & PLUMBING EQUIPMENT TO BE PAINTED **P-1**.

KEYNOTES

07 95 13.4 INTERIOR CEILING EXPANSION JOINT COVER



PROJECT No. :1-78-50
9/11/2025 11:10:57 AM

DRAWN BY: VR, SK, AT CHECKED BY: JC

DELTA # 1 DATE 9/xx/25 ☐ ADD ☐ AFO ☐ CCD ☐ REV

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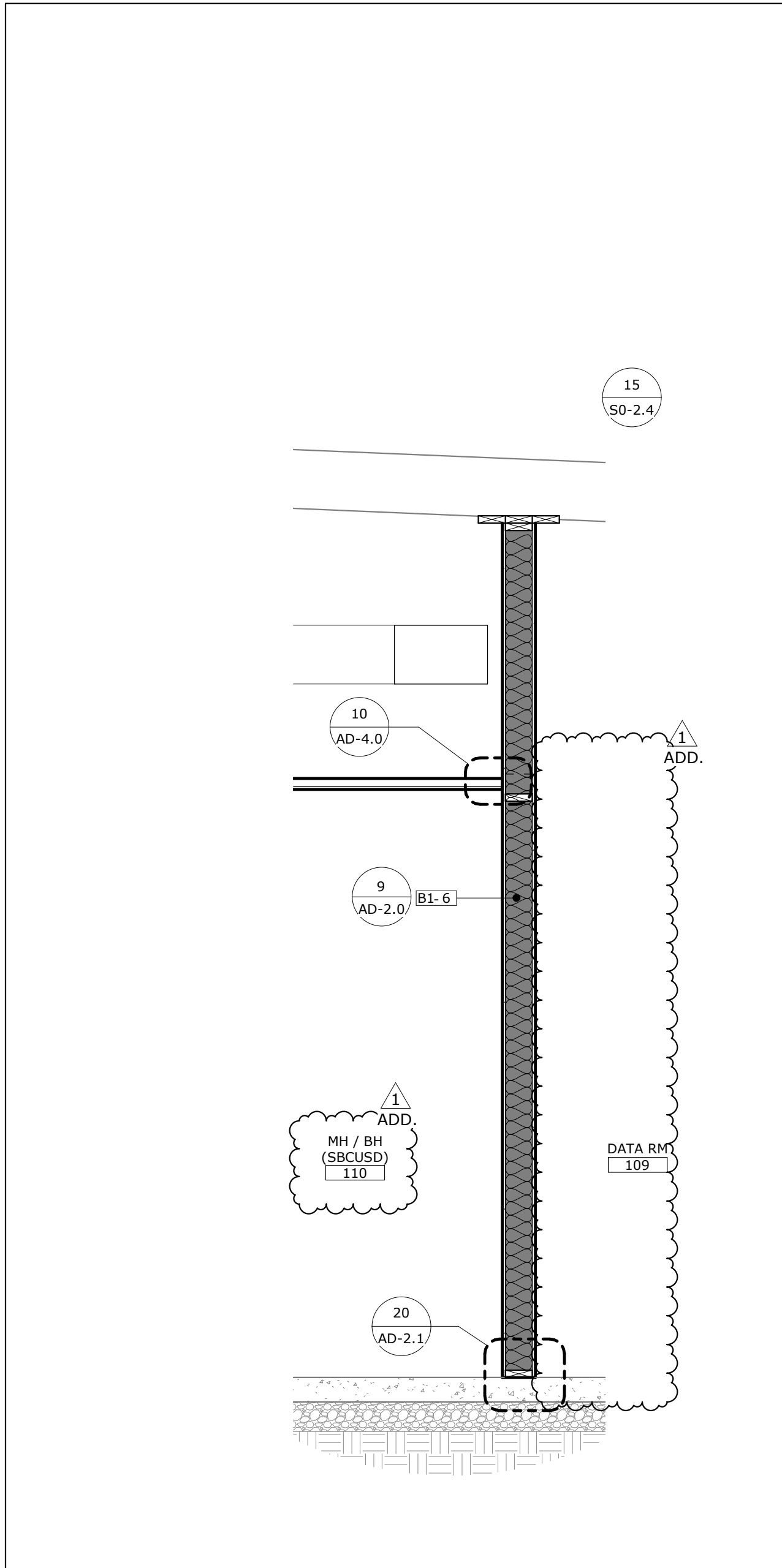
INDIAN SPRINGS HIGH SCHOOL HEALTH CENTER
INDIAN SPRINGS HIGH SCHOOL
650 N DEL ROSA DR, SAN BERNARDINO, CA 92410
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

BUILDING SECTIONS

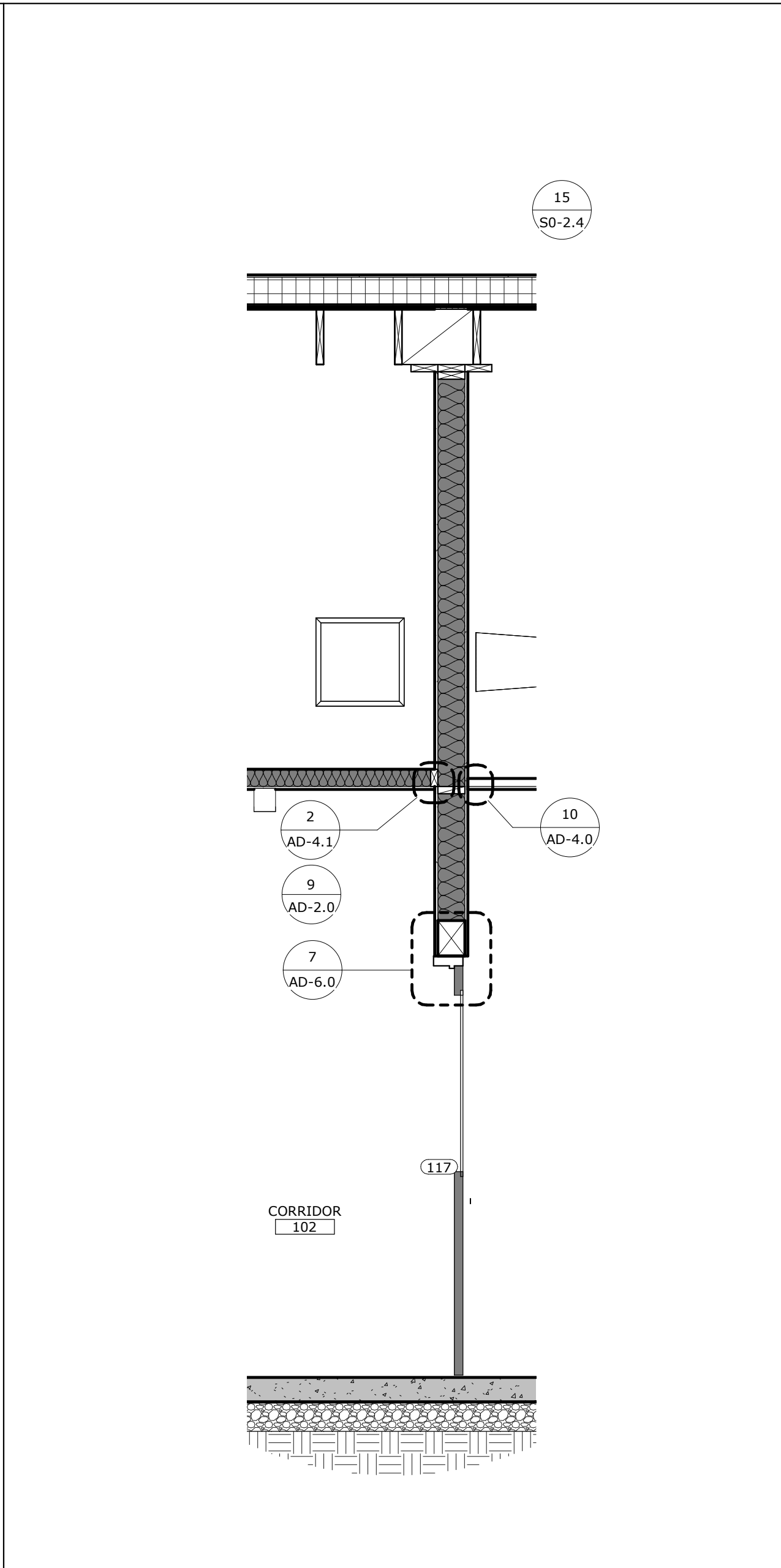
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INDIAN SPRINGS HIGH SCHOOL HEALTH CENTER:

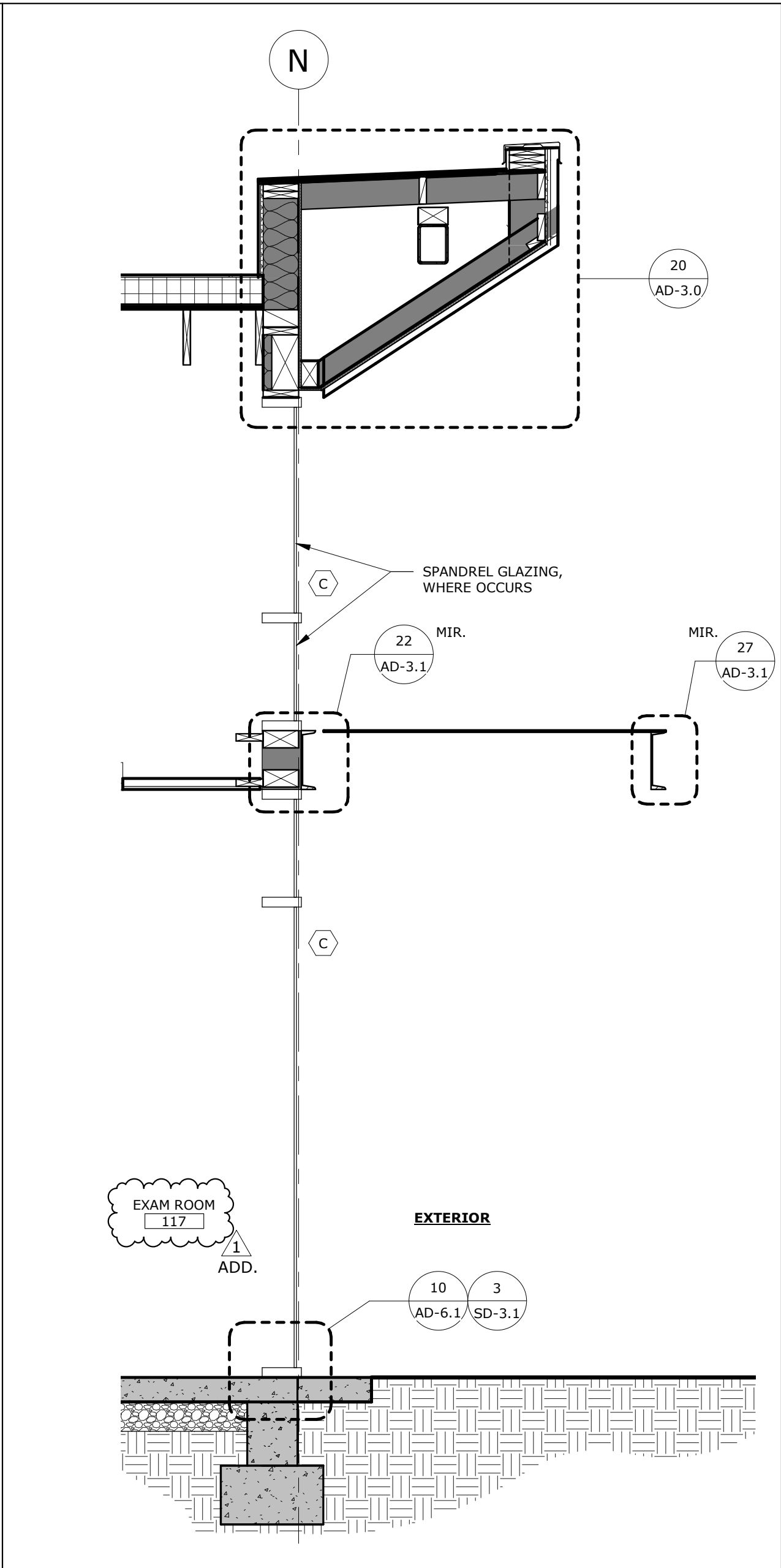
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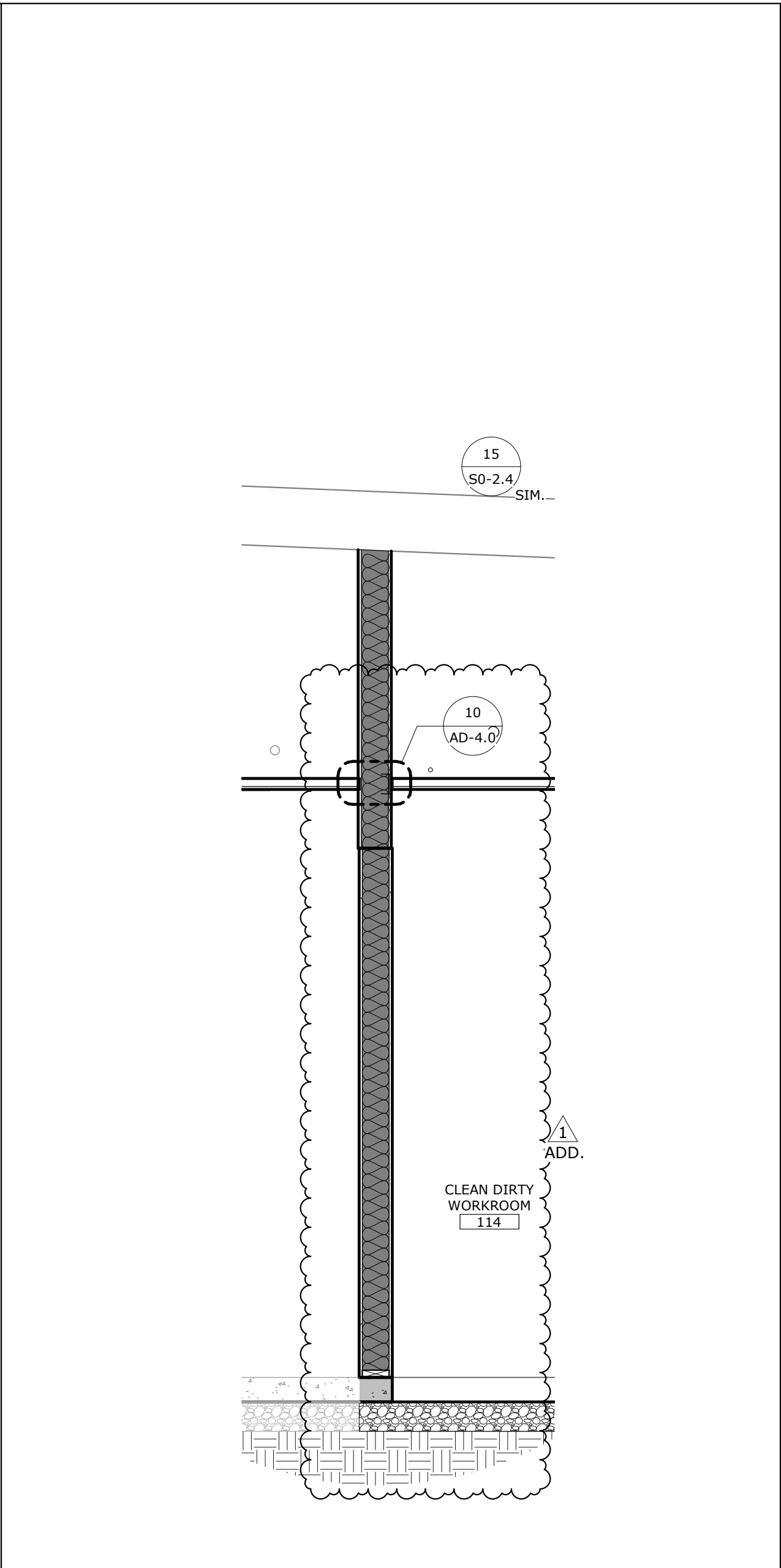
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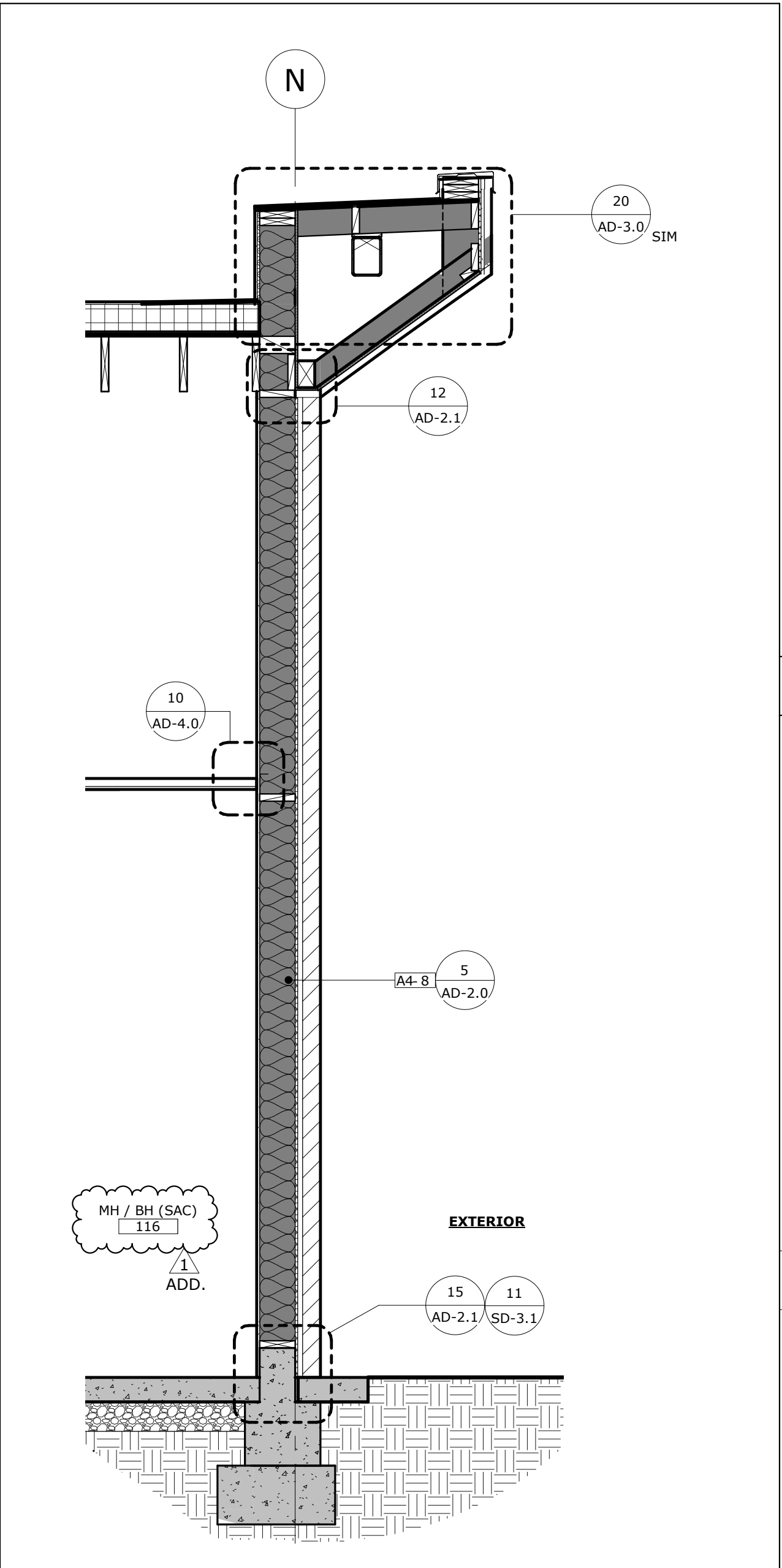
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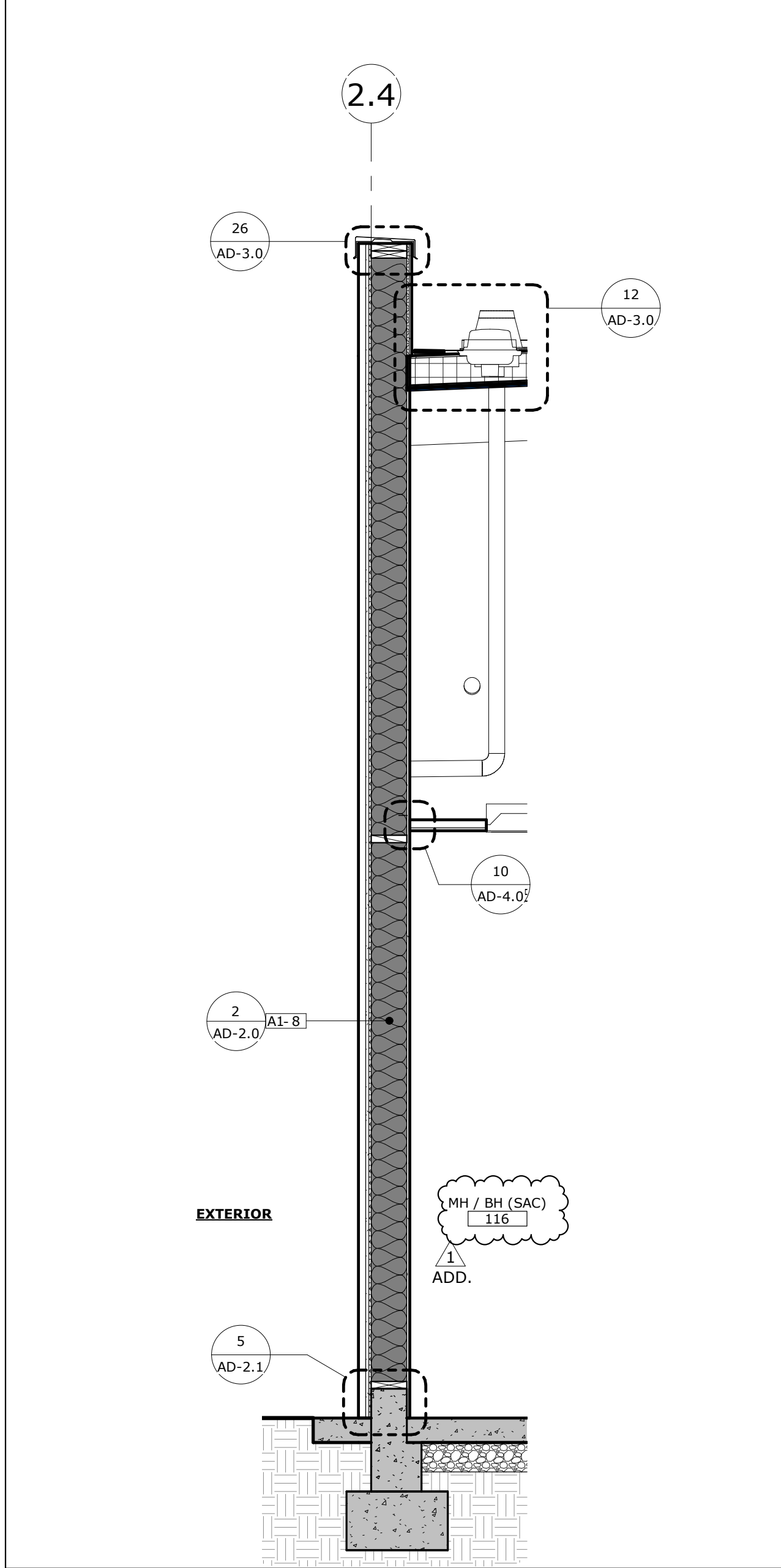
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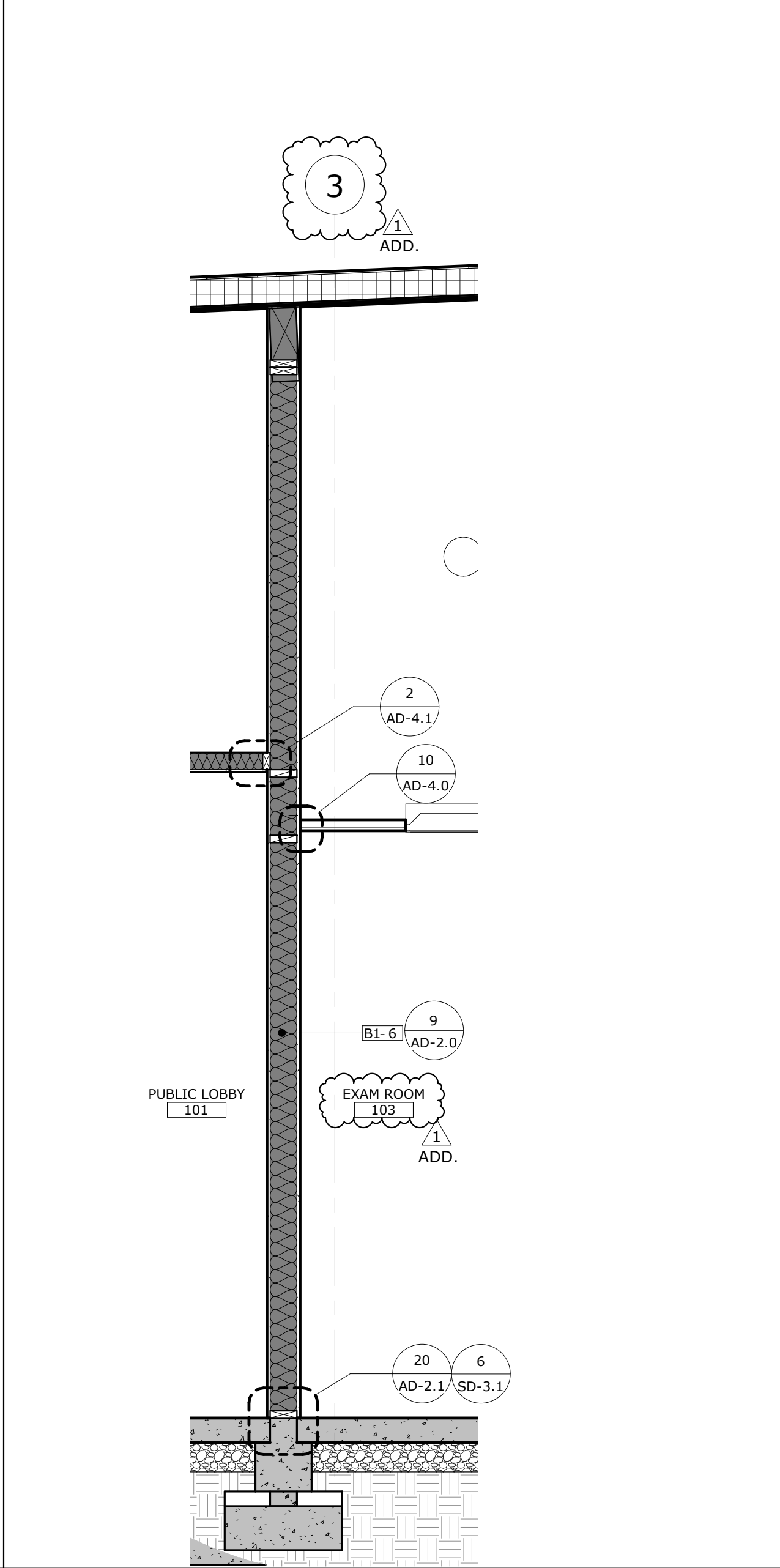
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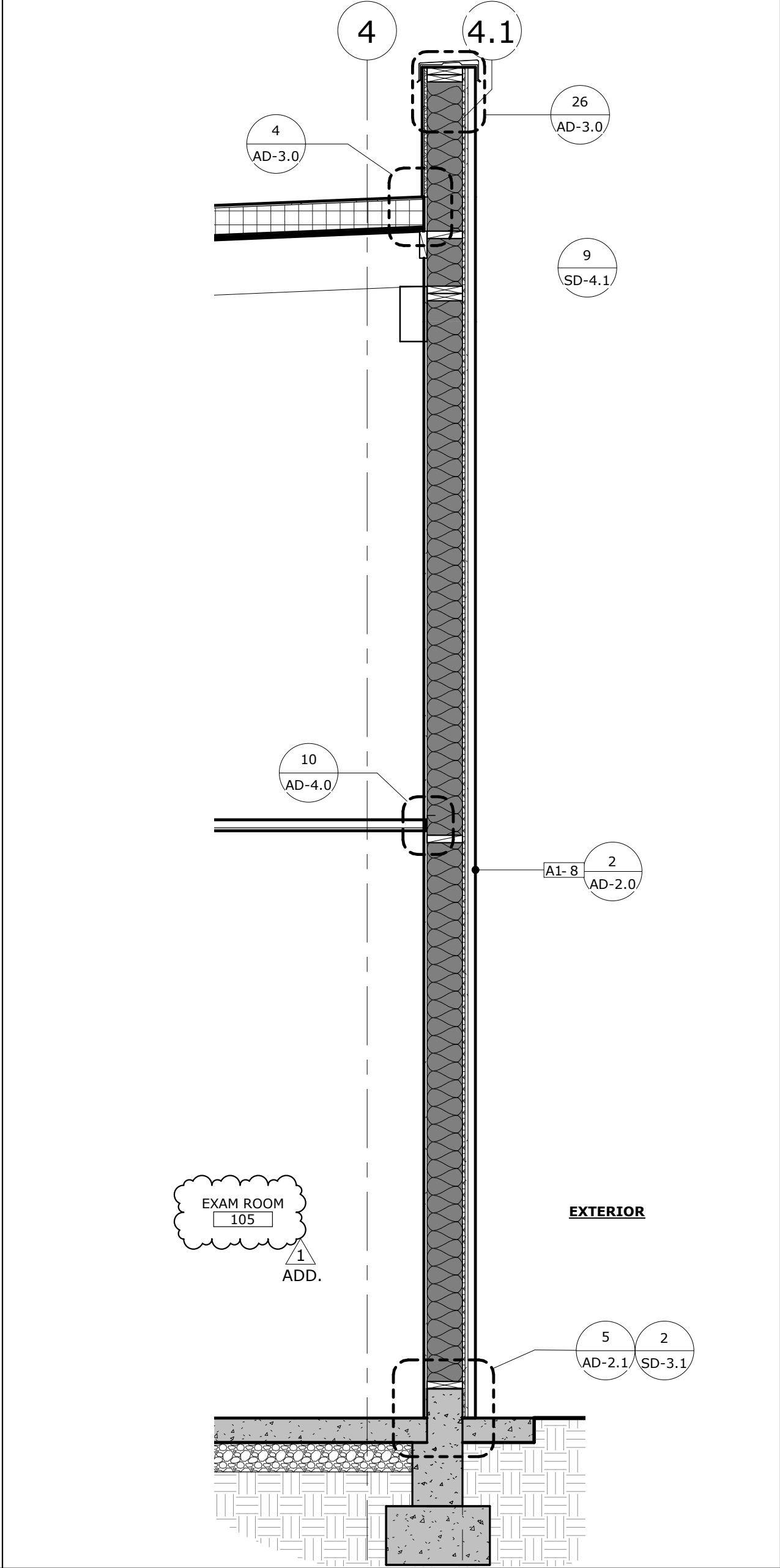
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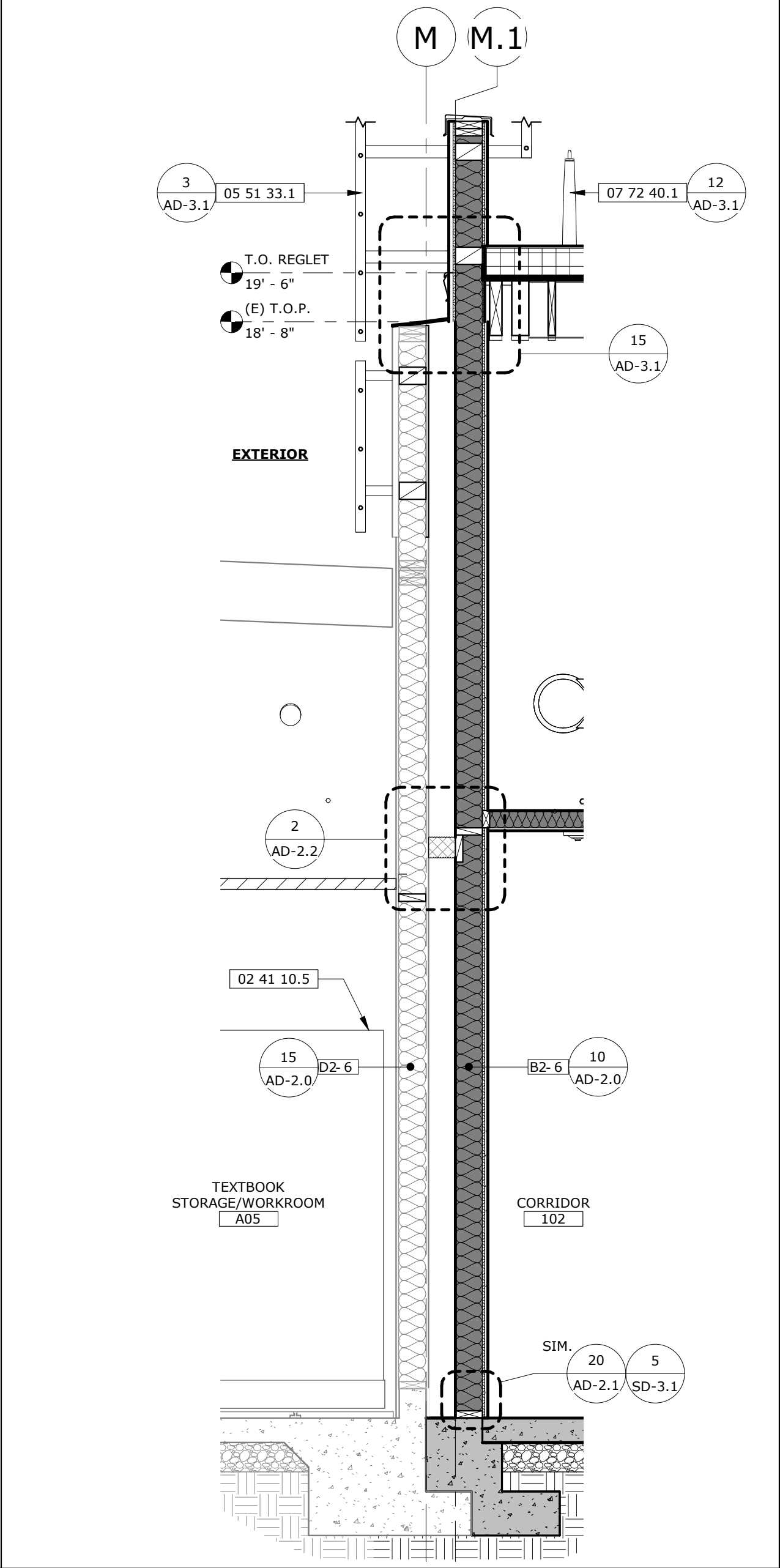
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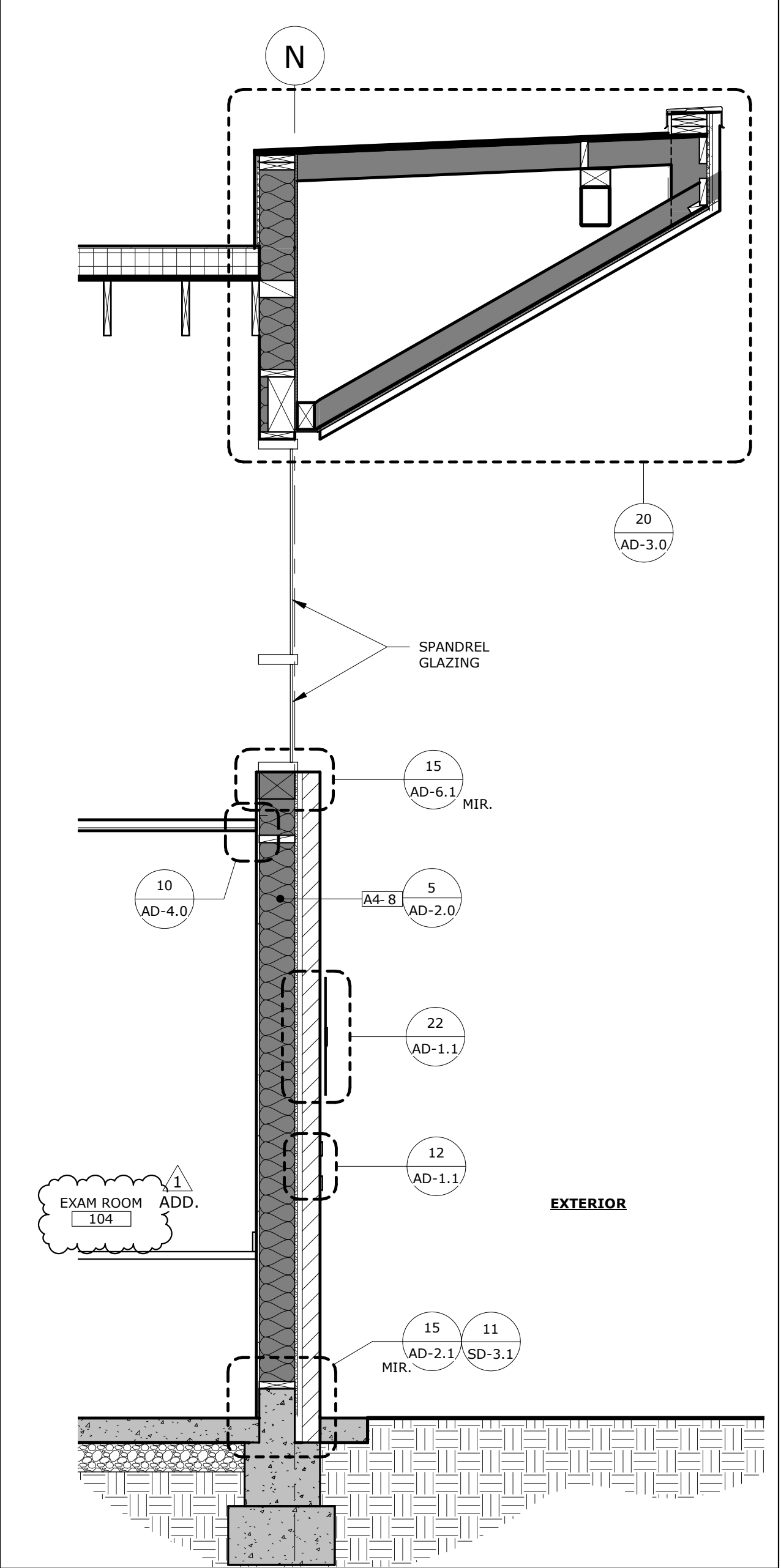
WALL SECTION 9
SCALE: 1/2" = 1'-0"



WALL SECTION 8
SCALE: 1/2" = 1'-0"



WALL SECTION 7
SCALE: 1/2" = 1'-0"



WALL SECTION 6
SCALE: 1/2" = 1'-0"

PROJECT No. :1-78-50
9/11/2025 11:11:02 AM

DELTA #	DATE	BY	CHKD	REV
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4		AD	AD	4
5		AD	AD	5
6		AD	AD	6
7		AD	AD	7
8		AD	AD	8
9		AD	AD	9
10		AD	AD	10

WALL SECTIONS

INDIAN SPRINGS HIGH SCHOOL HEALTH CENTER

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SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

WALL SECTIONS
A1-6.0

RUHNAU CLARKE ARCHITECTS

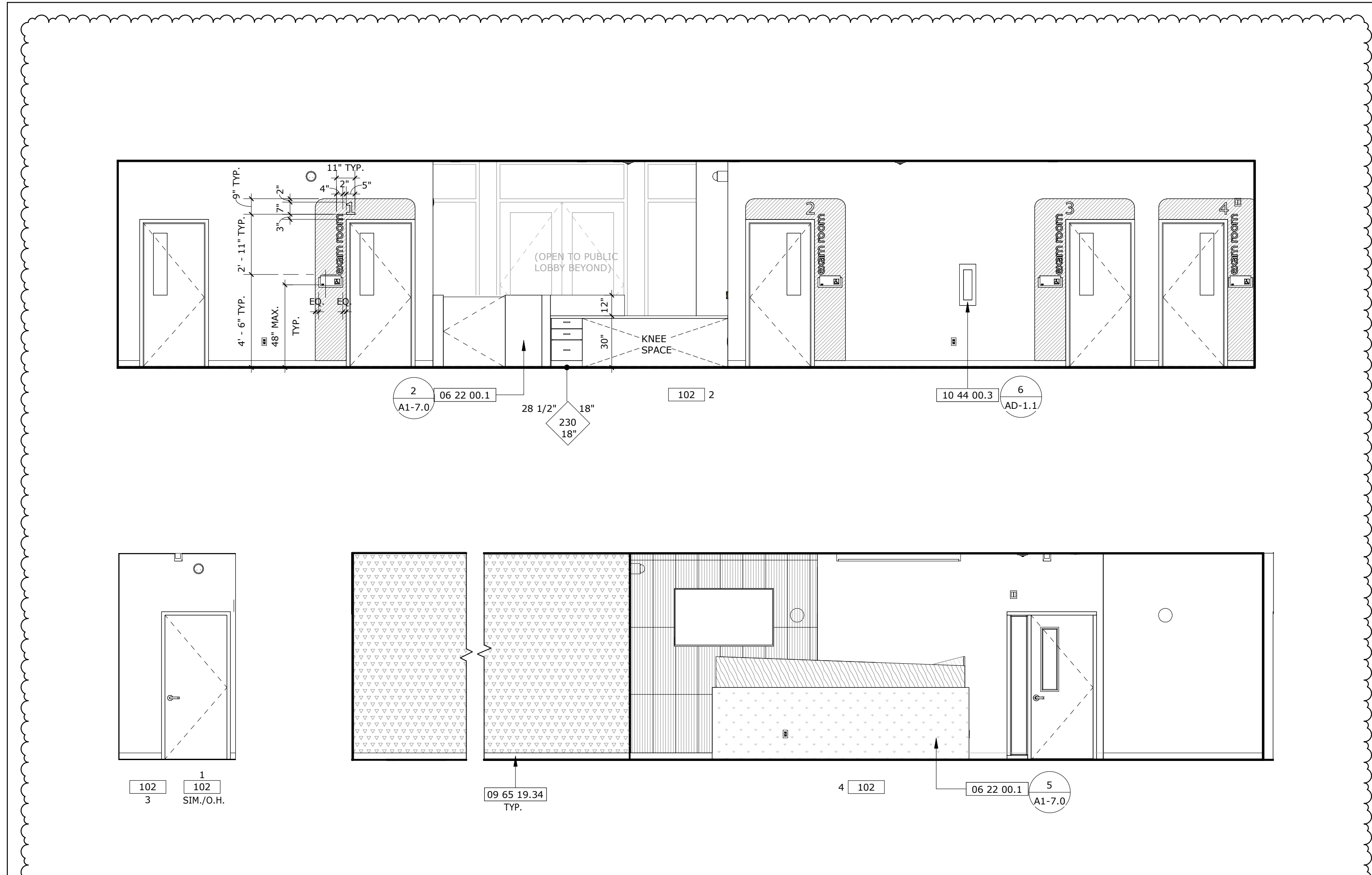
GENERAL NOTES

- CONTRACTOR TO COORDINATE ALL EXTERIOR ROOF OPENINGS & VENTS WITH MECHANICAL, ELECTRICAL, STRUCTURAL & PLUMBING DRAWINGS PRIOR TO ROUGH-IN.
- SEE DETAILS 8 (AD-3.0) & 13 (AD-3.0) FOR TYPICAL ROOF VENT PENETRATION DETAIL.
- PROVIDE **R-30** RIGID INSULATION AT NEW ROOFS OVER CONDITIONED SPACE.
- SEE DETAIL 2 (AD-3.0) FOR TYPICAL ROOF CONSTRUCTION ASSEMBLY.
- PROVIDE **R-25** BATT INSULATION AT ALL EXTERIOR WALLS, U.N.O. GYPSUM BOARD AND INSULATION SHALL EXTEND FULL HEIGHT OF WALL TO UNDERSIDE OF ROOF STRUCTURE
- ALL EXPOSED STRUCTURE, INCLUDING MECHANICAL & PLUMBING EQUIPMENT TO BE PAINTED **P-1**.

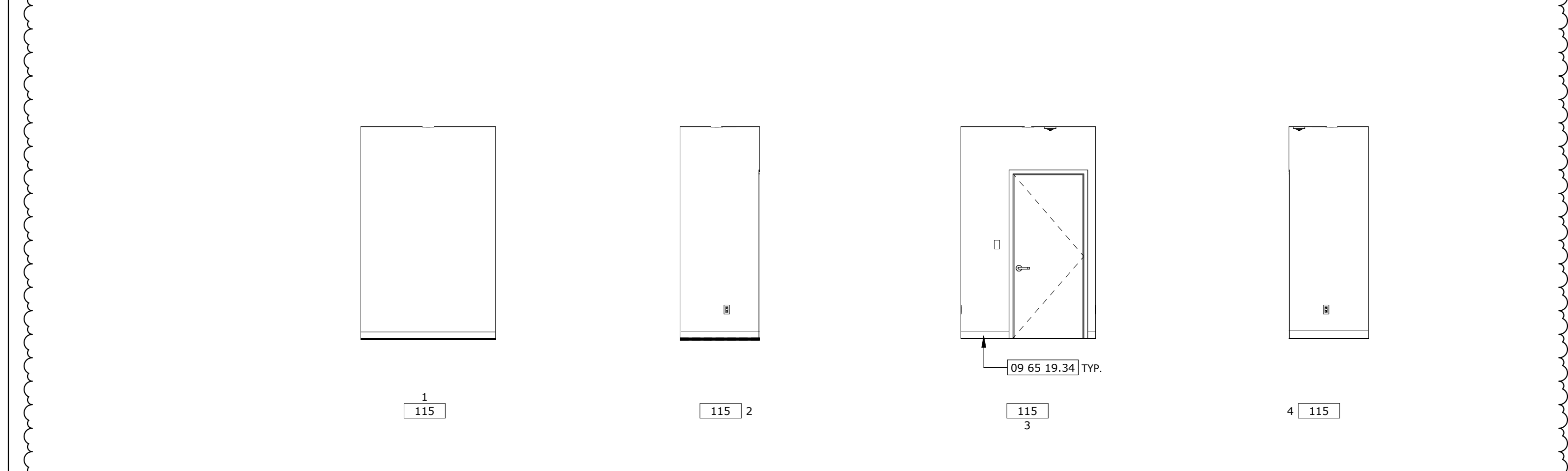
KEYNOTES

02 41 10.5	CONTRACTOR TO UNINSTALL, PROTECT, STORE & REINSTALL PORTION OF EXISTING MOBILE STORAGE SHELVING SYSTEM AS REQUIRED TO PERFORM NEW WORK IN THIS AREA
05 51 33.1	METAL CROSSOVER LADDER
07 72 40.1	FALL PROTECTION ANCHOR

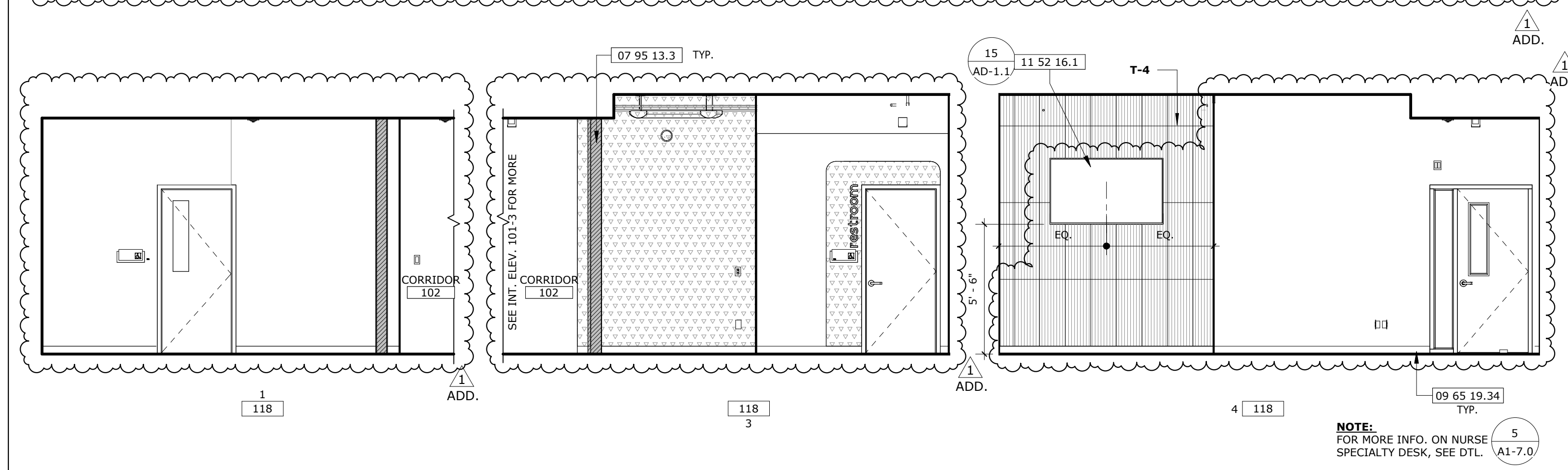
INDIAN SPRINGS HIGH SCHOOL HEALTH CENTER:



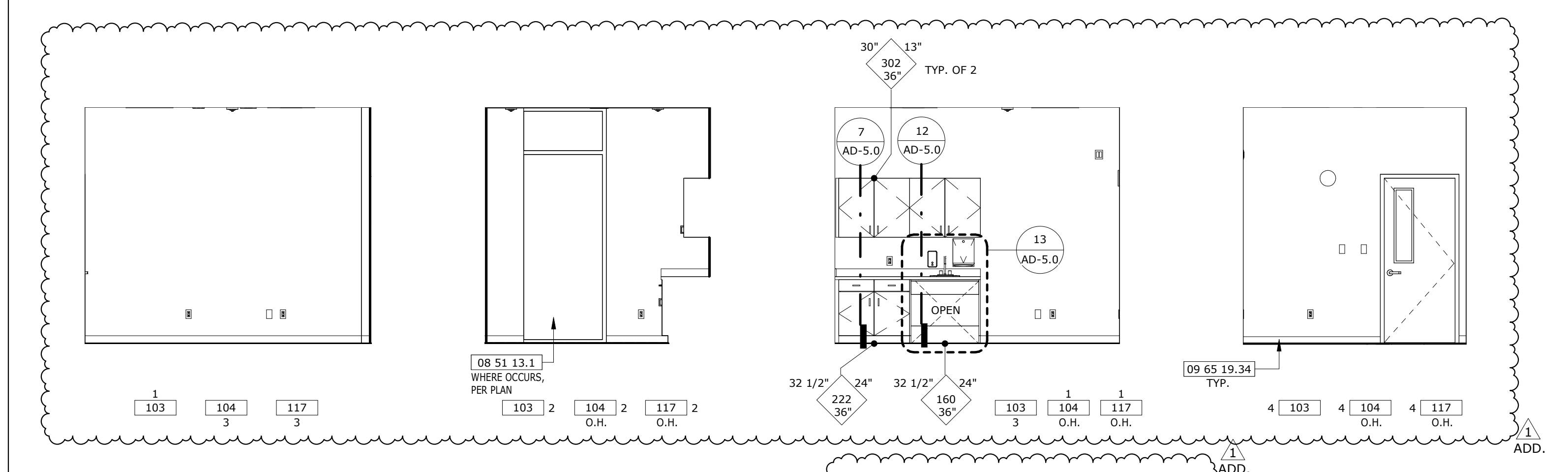
ROOM # 102 - CORRIDOR SCALE: 1/4" = 1'-0" 17



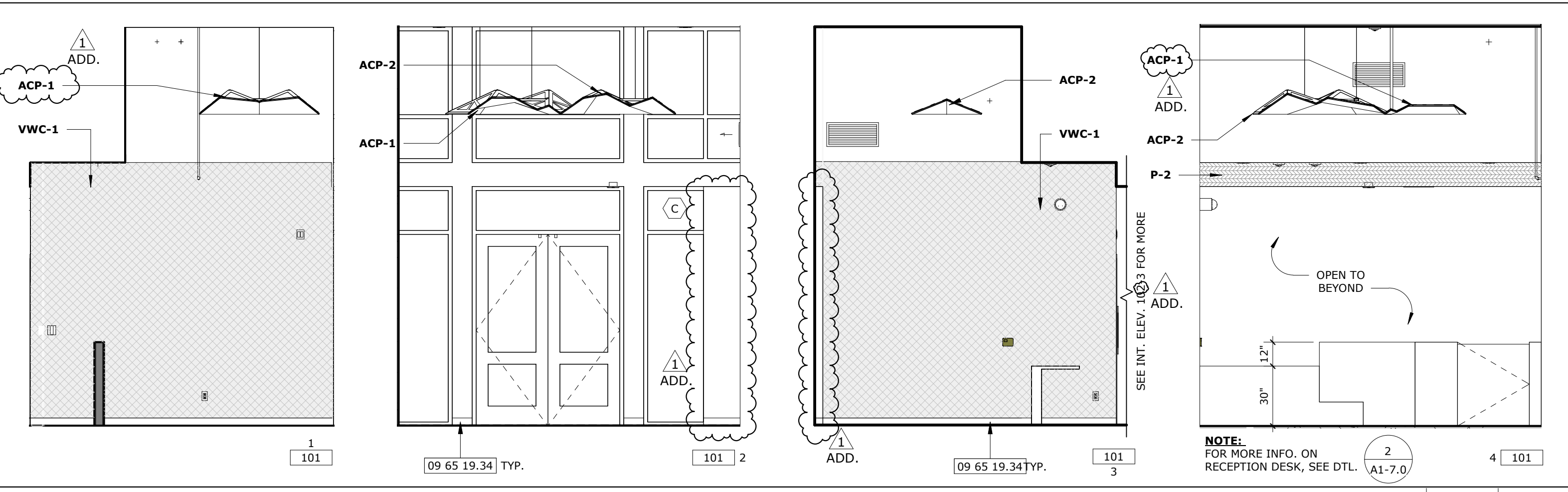
ROOM # 115 CLOSET SCALE: 1/4" = 1'-0" 18



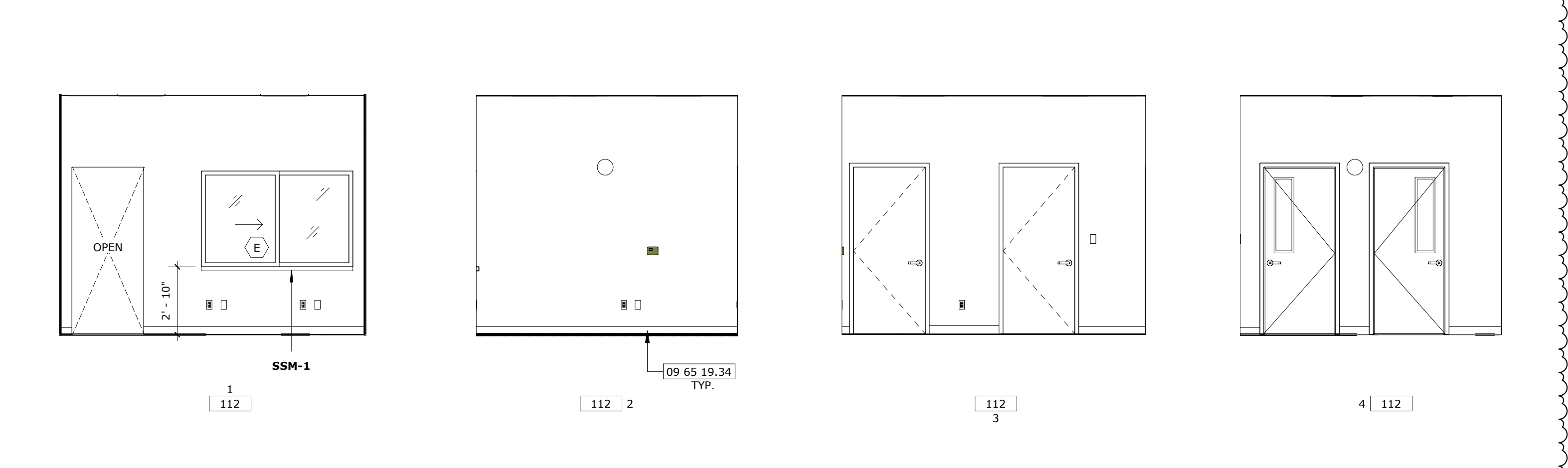
ROOM # 118 - NURSE'S STATION SCALE: 1/4" = 1'-0" 19



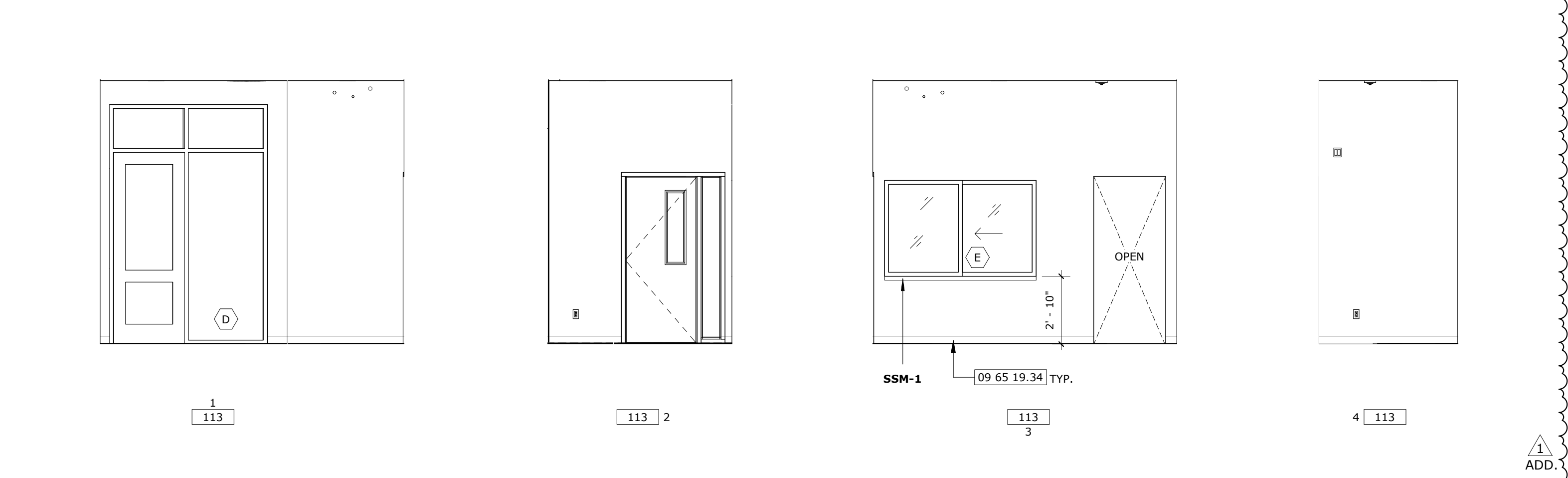
ROOM #s 103, 104 & 117 (SIM.) - EXAM ROOM SCALE: 1/4" = 1'-0" 20



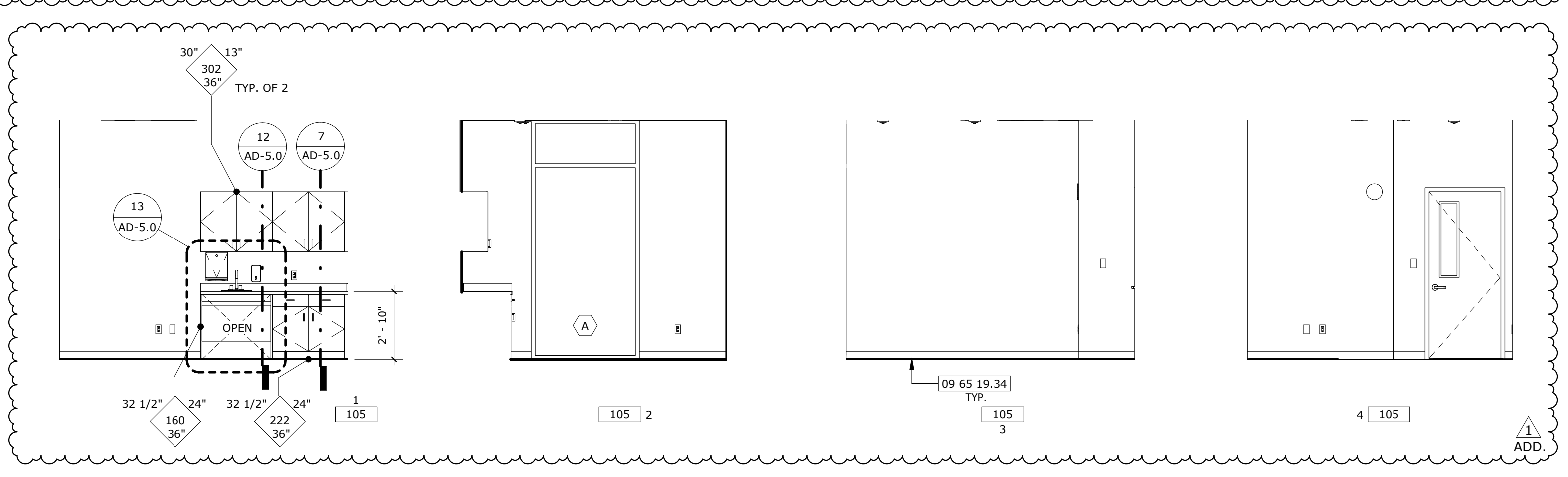
ROOM # 101 - PUBLIC LOBBY SCALE: 1/4" = 1'-0" 1



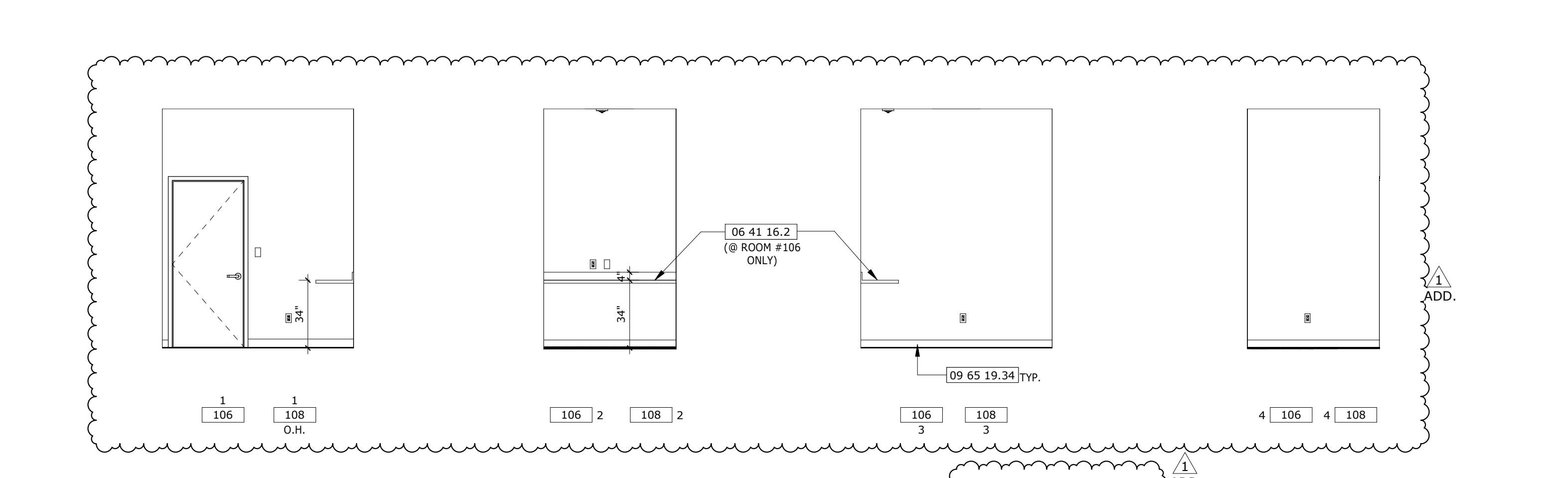
ROOM # 112 SWSS CLERK SCALE: 1/4" = 1'-0" 2



ROOM # 113 WAITING ROOM SCALE: 1/4" = 1'-0" 3



ROOM # 105 EXAM ROOM SCALE: 1/4" = 1'-0" 4



ROOM #s 106 & 108 (SIM.) - STORAGE ROOM SCALE: 1/4" = 1'-0" 5

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- ### GENERAL NOTES
- VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
 - PROVIDE STUD BRACING AND SUPPORT FOR ALL WALL MOUNTED FIXTURES AND ACCESSORIES, PER DETAIL.
 - FOR MORE INFO ON COLORS, MATERIALS, & FINISHES SEE **SHEET 10-1.0**
 - FOR WALL TILE INFO., SEE DETAIL **17 AD-2.0**
 - FOR MORE INFO ON RESTROOM ACCESSORIES, REFER TO SPEC SECTION 10 28 00
 - FOR ACCESSIBILITY INFORMATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES & ACCESSORIES, SEE ADULT DIMENSIONS PER DETAIL **24 AD-1.0**
 - FOR TACKABLE WALL PANEL ATTACHMENT, SEE DETAIL **14 AD-1.1**
 - FOR TYPICAL ATTACHMENT OF ACOUSTICAL WALL PANEL, SEE DETAIL **9 AD-1.1**
 - AT ACCESSIBLE TOILET STALLS, THE DOOR SHALL BE SELF CLOSING WITH A DOOR PULL PLACED ON BOTH SIDES OF DOOR NEAR THE LATCH, PER CBC SECTION 11B-404.2.7, 11B-604.8.1.2, & 11B-604.8.2.2.

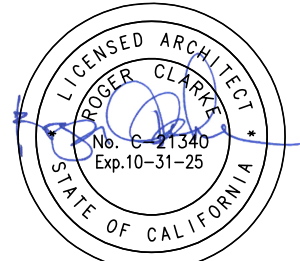
- ### KEYNOTES
- 06 22 00.1** SPECIALTY RECEPTION DESK
 - 06 41 16.2** PLASTIC CARPET TILE WITH 3/8" X 3/8" SQUARE INTERLOCKING JOINTS
 - 07 25 00.1** INTERIOR WALL EXPANSION JOINT COVER
 - 08 51 13.1** WINDOW PER WINDOW SCHEDULE **1**
 - 09 05 19.34** RUBBER DISC
 - 10 44 00.3** RECESSED FIRE EXTINGUISHER CABINET
 - 11 52 16.1** TELEVISION, O.F.C.I., SURFACE MOUNTED, MAX 4" PROJECTION WITH TV MOUNT, REMOTE CONTROLLED

INTERIOR ELEVATIONS LEGEND	
INTERIOR PAINTS	WALL TILE
P-1 ('COLD MORNING')	T-4
P-2 ('WESTERN RED')	TACKABLE WALL PANELS
P-3 ('WILDFLOWER HONEY')	TWP-1
P-4 ('RIVERBED')	SOUND ABSORBING WALL PANELS
P-5 ('FINE GRAIN')	AWP-1
P-6 ('WOODEN PEG')	RESIN PANEL
	RP-1
WALL COVERINGS	PLASTIC LAMINATE
VWC-1	PL-1
	PL-2

NOTE: REFER TO COLORS, MATERIALS AND FINISHES LEGEND ON **SHEET 10-1.0** FOR ADDITIONAL INFORMATION

DOOR SCHEDULE

DOOR NO.	DOOR TYPE	EXTERIOR	WIDTH	HEIGHT	DOOR THICKNESS	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	FRAME HEAD	JAMB 1	JAMB 2	SILL/THRESHOLD	GLAZING TYPE	CLOSER	HARDWARE GROUP	PANIC HARDWARE	FIRE RATING	ELECTRONIC ACS. CTRL.	DOOR NO.	REMARKS
101	A	Yes	6'-0"	8'-0"	2"	ALUM/GLASS	FF	ALUM-1	ALUM	FF	ALUM-1	4/AD-6.1	3/AD-6.1	3/AD-6.1	5/AD-6.1	GL-1	YES	1.0	Yes	N/A	Yes	101	
102	E	No	3'-0"	3'-0"	1 3/4"	HM	PSG	P-7	HM	PSG	P-7	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	102	PROVIDED BY MILLWORK
103	E	No	3'-0"	3'-0"	1 3/4"	HM	PSG	P-7	HM	PSG	P-7	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	103	ACOUSTICALLY RATED TO STC 42
104	E	No	3'-0"	3'-0"	1 3/4"	HM	PSG	P-7	HM	PSG	P-7	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	104	ACOUSTICALLY RATED TO STC 42
105	E	No	3'-0"	3'-0"	1 3/4"	HM	PSG	P-7	HM	PSG	P-7	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	105	ACOUSTICALLY RATED TO STC 42
106	D	No	3'-0"	7'-0"	1 3/4"	HM	PSG	P-8	HM	PSG	P-8	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	7.0	No	N/A	No	106	1" UNDERCUT AT DOOR
107	D	No	3'-0"	7'-0"	1 3/4"	HM	PSG	P-8	HM	PSG	P-8	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	7.0	No	N/A	No	107	1" UNDERCUT AT DOOR
108	D	No	3'-0"	7'-0"	1 3/4"	HM	PSG	P-8	HM	PSG	P-8	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	108	ACOUSTICALLY RATED TO STC 42
109	D	No	3'-0"	7'-0"	1 3/4"	HM	PSG	P-8	HM	PSG	P-8	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	109	ACOUSTICALLY RATED TO STC 42
110	D	No	3'-0"	7'-0"	1 3/4"	HM	PSG	P-8	HM	PSG	P-8	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	110	ACOUSTICALLY RATED TO STC 42
111	D	No	3'-0"	7'-0"	1 3/4"	HM	PSG	P-8	HM	PSG	P-8	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	111	ACOUSTICALLY RATED TO STC 42
112	D	No	3'-0"	7'-0"	1 3/4"	HM	PSG	P-8	HM	PSG	P-8	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	112	ACOUSTICALLY RATED TO STC 42
113	D	No	3'-0"	7'-0"	1 3/4"	HM	PSG	P-8	HM	PSG	P-8	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	113	ACOUSTICALLY RATED TO STC 42
114	D	No	3'-0"	7'-0"	1 3/4"	HM	PSG	P-8	HM	PSG	P-8	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	114	ACOUSTICALLY RATED TO STC 42
115	D	No	3'-0"	7'-0"	1 3/4"	HM	PSG	P-8	HM	PSG	P-8	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	115	ACOUSTICALLY RATED TO STC 42
116	E	No	3'-0"	7'-0"	1 3/4"	HM	PSG	P-7	HM	PSG	P-7	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	116	ACOUSTICALLY RATED TO STC 42
117	E	No	3'-0"	7'-0"	1 3/4"	HM	PSG	P-7	HM	PSG	P-7	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	117	ACOUSTICALLY RATED TO STC 42
118	E	No	3'-0"	7'-0"	1 3/4"	HM	PSG	P-7	HM	PSG	P-7	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	118	ACOUSTICALLY RATED TO STC 42
A01	B	Yes	6'-0"	7'-0"	2"	ALUM/GLASS	FF	ALUM-1	ALUM	FF	ALUM-1	4/AD-6.1	3/AD-6.1	3/AD-6.1	5/AD-6.1	GL-1	YES	1.0	Yes	N/A	Yes	A01	EXISTING DOOR & FRAME TO REMAIN, PROTECT IN PLACE
A04	A	Yes	6'-0"	7'-0"	2"	ALUM/GLASS	(E)	(E)	ALUM	(E)	(E)	(E)	(E)	(E)	5/AD-6.1	(E)	KEEP (E)	KEEP (E)	Yes	N/A	No	A04	EXISTING DOOR & FRAME TO REMAIN, PROTECT IN PLACE
A35	D	No	3'-0"	7'-0"	1 3/4"	HM	PSG	P-9	HM	PSG	P-9	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	A35	EXISTING DOOR & FRAME TO REMAIN, PROTECT IN PLACE
A36	D	No	3'-0"	7'-0"	1 3/4"	HM	PSG	P-9	HM	PSG	P-9	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	A36	EXISTING DOOR & FRAME TO REMAIN, PROTECT IN PLACE
A37	D	No	3'-0"	7'-0"	1 3/4"	HM	PSG	P-9	HM	PSG	P-9	7/AD-6.0	8/AD-6.0	8/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	A37	EXISTING DOOR & FRAME TO REMAIN, PROTECT IN PLACE
A38	D	No	3'-0"	7'-0"	1 3/4"	HM	MATCH (E)	MATCH (E)	HM	MATCH (E)	MATCH (E)	9/AD-6.0	10/AD-6.0	10/AD-6.0	18/AD-6.0	G-2	YES	5.0	No	N/A	No	A38	EXISTING DOOR & FRAME TO REMAIN, RETROFIT EXISTING DOOR & FRAME TO FLIP DOOR SWING PER ENLARGED PLAN
A39	E	No	3'-0"	7'-0"	1 3/4"	HM	(E)	(E)	HM	(E)	(E)	(E)	(E)	(E)	N/A	(E)	KEEP (E)	11.0	No	60 MIN.	No	A39	EXISTING DOOR & FRAME TO REMAIN, HARDWARE TO BE REPLACED PER NEW HARDWARE GROUP



AGENCY APPROVAL
150 101 36-07 1/104-122900

RUHNAU
CLARKE
ARCHITECTS

CONSULTANT BRANDING

GENERAL NOTES

- SEE SHEETS **AD-6.0 & AD-6.1** FOR HOLLOW METAL FRAME DETAILS
- SET DOORS ADJACENT TO WALLS A MIN. OF 4" AWAY FROM WALL U.N.O.
- ALL GLAZING IN DOORS, AND WINDOWS BELOW 8'-0" A.F.F., ARE TEMPERED OR AS REQUIRED BY SECTION 2406 OF THE 2022 CBC
- PROVIDE DOOR STOPS AT ALL INTERIOR DOORS. PROVIDE BACKING PLATE PER DETAIL **11 SD-2.4**
- ALL EXTERIOR DOORS ARE TO SWING OUT AND OPEN TO A MIN. OF 110 DEGREES FROM ITS CLOSED POSITION WHERE POSSIBLE, U.N.O.
EXCEPTION: WHERE TACTILE SIGNAGE IS LOCATED ON HINGE SIDE OF DOOR, DOORS TO HAVE A 90 DEGREE SWING LIMIT
- ALL EXTERIOR H.M. DOORS SHALL HAVE A THERMAL RESISTANCE CORE, PER SPEC SECTION 08 11 13
- PROVIDE AIR SEALS/WEATHER STRIPPING AT ALL EXTERIOR DOORS TO CONDITIONED SPACES.
- ALL FLOOR MATERIAL CHANGE SHALL BE LOCATED UNDER THE CENTERLINE OF DOOR WHERE OCCURS, TYP.
- ALL EXTERIOR DOORS SHALL BE OPERABLE FROM THE INTERIOR WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. DEAD BOLTS ARE ONLY PERMITTED WHEN OPERABLE WITH A SINGLE EFFORT LEVER TYPE HARDWARE.
- HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE MOUNTED 34"-44" A.F.F., PER CBC SECTION 11B-404.2.7
- ALL DOORS SHALL BE LOCKABLE FROM THE INTERIOR SIDE, PER HARDWARE SPEC SECTION 08 06 71 & 08 71 00
- PER SECTION 1010.2.9 IN THE CBC 2022, DOOR SERVING ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE ARE REQUIRED TO HAVE PANIC HARDWARE OR FIRE EXIT HARDWARE.
- PER CBC 2022 11B-404.2.5, THRESHOLDS SHALL BE 1/2" HIGH MAX.
- THE BOTTOM 10" OF ALL DOORS EXTENDING THE FULL WIDTH SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. CBC 2022 11B-404.2.10
- PER CBC 2022 11B-404.2.9, MAXIMUM EFFORT TO OPERATE ALL DOORS SHALL NOT EXCEED 5 LBS FOR BOTH EXTERIOR AND INTERIOR DOORS. FIRE DOORS SHALL NOT EXCEED 5 LBS.
- REFER TO SPECIFICATION SECTION 08 71 00 FOR DOOR HARDWARE INFORMATION
- WHERE WINDOW SHADE OCCURS AT SUSPENDED T-BAR CEILING, SEE DTL.
- PER CBC 2022 CH. 24 SEC. 2403.1, EACH PANE SHALL BEAR THE MANUFACTURER'S MARK DESIGNATING THE TYPE AND THICKNESS OF THE GLASS OR GLAZING MATERIAL.
- FOR TYPICAL WINDOW SHADE ATTACHMENT, SEE DETAIL **25 AD-4.1**
- ALL EXISTING DOORS & GATES ON THE POT SHALL BE TESTED AND ADJUSTED TO MEET CBC SECTION 11B-404.2.8 FOR CLOSING SPEED AND CBC SECTION 11B-404.2.9 FOR DOOR OPENING FORCE (5 lbs. MAX.).

ABBREVIATIONS

ALUM ALUMINUM
FF FACTORY FINISH
HM HOLLOW METAL
HC HOLLOW CORE
GALV GALVANIZED
STL STEEL
PSG PAINT: SEMI-GLOSS

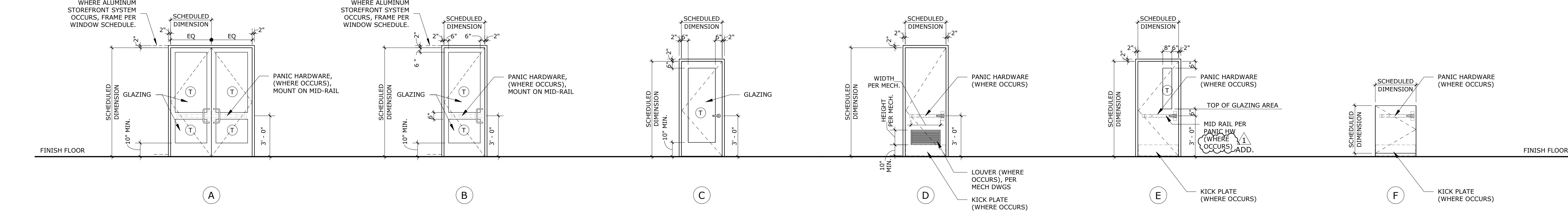
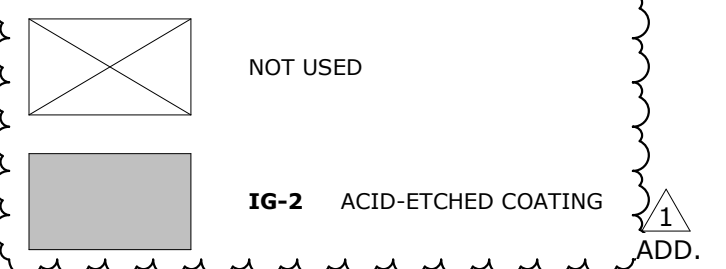
GLAZING NOTES

GLAZING COLOR

- GLAZING
- 08 80 00 **GL-1 & GL-1T** VITRO, SOLARBAN 90 (2) CLEAR + CLEAR, SEALED
GL-1T INSULATED GLASS UNIT, **GL-1T** WHERE SAFETY RATED
- 08 80 00 **G-2** MONOLITHIC INTERIOR VISION GLAZING, CLEAR
- 08 80 00 **G-2T** MONOLITHIC SAFETY GLAZING, CLEAR
- 08 44 35 **FPG-1** FIRE-PROTECTION-RATED GLAZING

GENERAL GLAZING NOTES

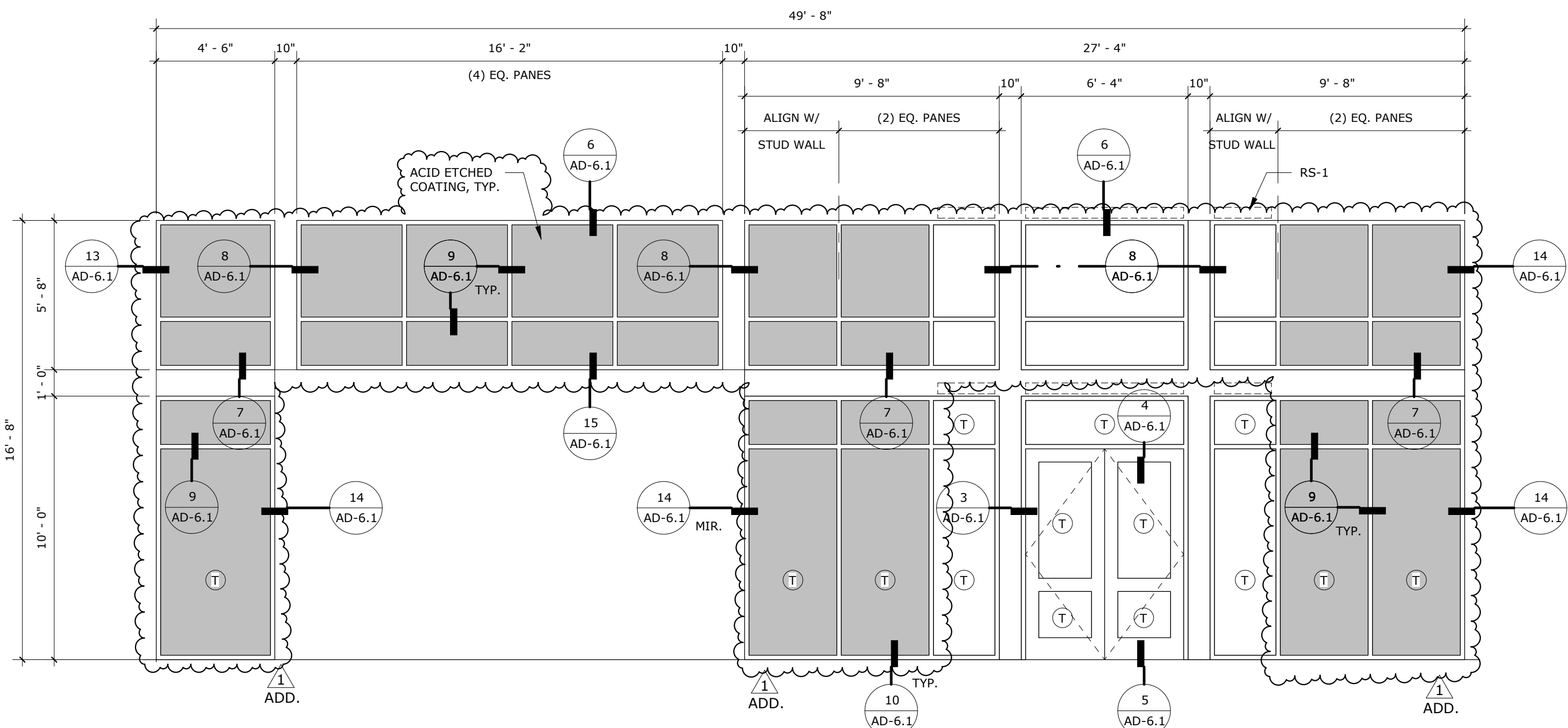
- VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION
- ALL EXTERIOR GLAZED DOORS AND WINDOWS TO RECEIVE TYPE **GL-1** GLAZING, U.N.O.
PPG, SOLARBAN 90 (2) CLEAR + CLEAR
- GLAZING TO BE TEMPERED (T) SHALL INCLUDE:
 - ALL GLAZING IN DOORS
 - ALL DOOR SIDELIGHTS WITHIN 24" OF DOOR FRAME
 - ALL DOOR TRANSOMS
 - ALL WINDOW GLAZING WITHIN A DISTANCE OF 36" HORIZONTALLY FROM A WALKING PATH AND UP TO 60" FROM GRADE
 - ALL GLAZING WITHIN THE SWING OF A DOOR
- ALL INTERIOR DOORS AND WINDOWS TO RECEIVE TYPE **G-2** GLAZING, U.N.O.
- ALL GLAZING SHALL MEET THE MIN. GLAZING REQUIREMENTS LISTED IN 2022 CBC TABLE 2403.2.1, TABLE 2406.2(1)



DOOR TYPES

SCALE: 1/4" = 1'-0"

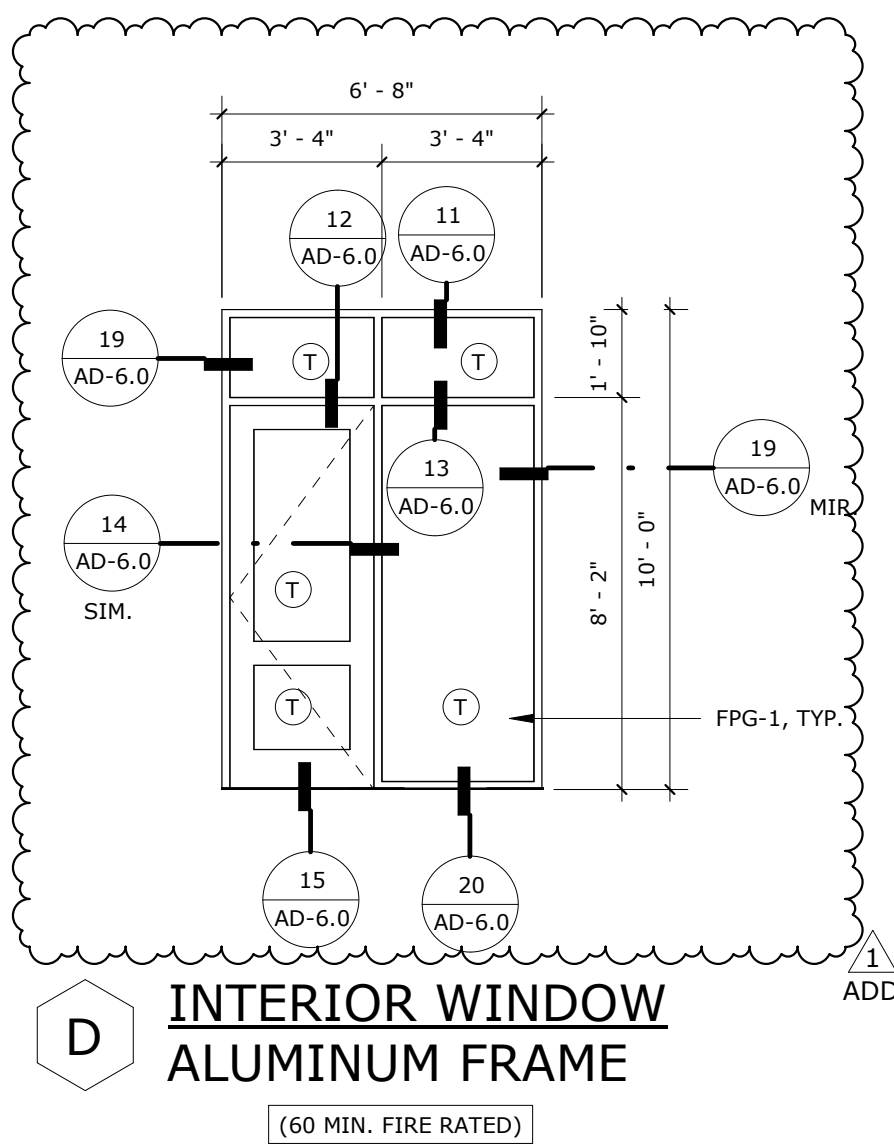
1



A EXT. WINDOW
ALUM. FRAME

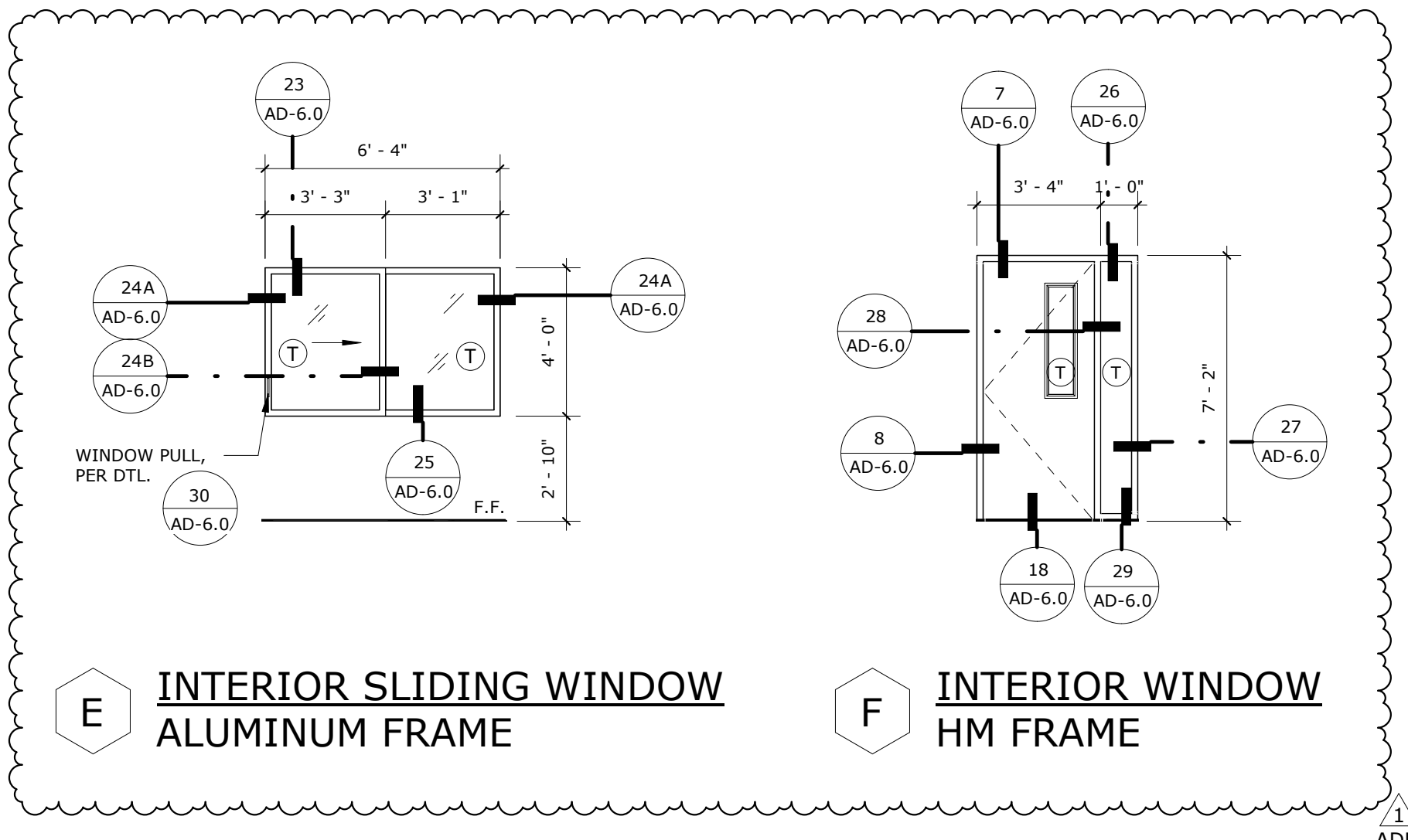
B EXTERIOR WINDOW
ALUMINUM FRAME

C EXTERIOR WINDOW
ALUMINUM FRAME



D INTERIOR WINDOW
ALUMINUM FRAME

(60 MIN. FIRE RATED)



E INTERIOR SLIDING WINDOW
ALUMINUM FRAME

F INTERIOR WINDOW
HM FRAME

WINDOW SCHEDULE

SCALE: 1/4" = 1'-0"

2

PROJECT No. 1-78-50
9/11/2025 11:11:38 AM

DRAWN BY: VR, SK, AT
CHECKED BY: JC
DATE: 9/26/25
DELTA # 1 DATE
DELTA # 2 DATE
DELTA # 3 DATE

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3775 TENTH STREET, RIVERSIDE CALIFORNIA 92503 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92008 (760) 438-5899

INDIAN SPRINGS HIGH SCHOOL HEALTH

CENTER

INDIAN SPRINGS HIGH SCHOOL
650 N DEL ROSA DR, SAN BERNARDINO, CA 92410
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

DOOR & WINDOW
SCHEDULE

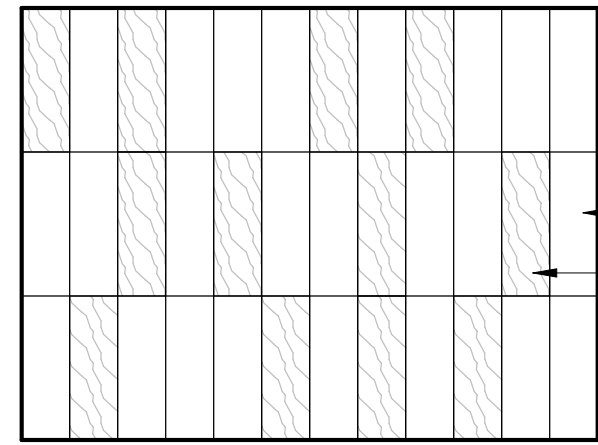
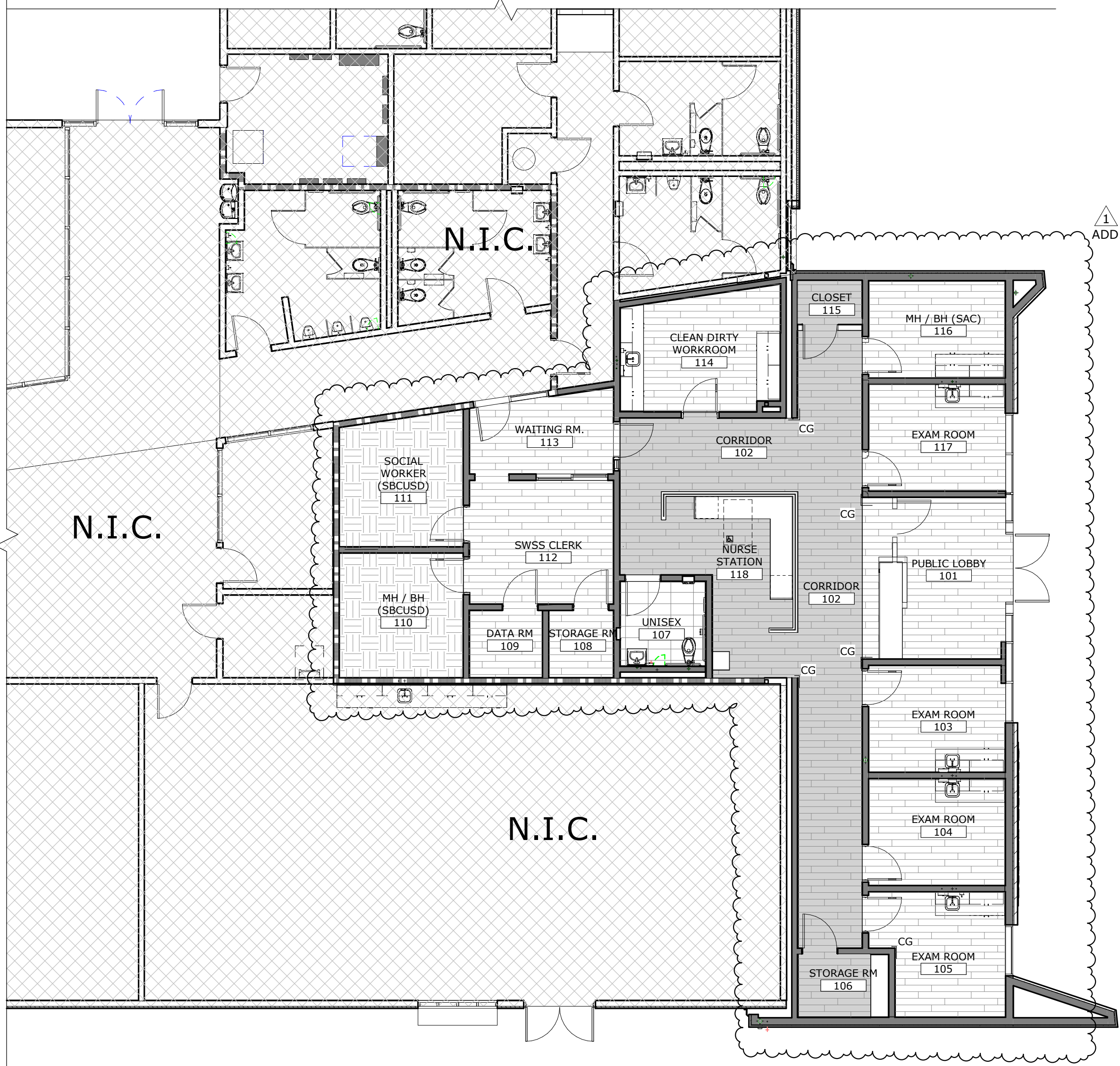
A1-8.0

ROOM FINISH SCHEDULE

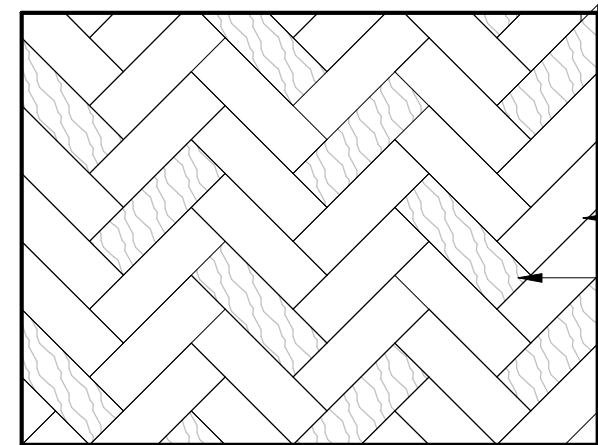
ROOM NO.	ROOM NAME	FLOOR		BASE		WALLS												CEILING		REMARKS	ROOM NO.
		MATERIAL	COLOR	MATERIAL	COLOR	ELEVATION 1		ELEVATION 2		ELEVATION 3		ELEVATION 4		MATERIAL	COLOR						
101	PUBLIC LOBBY	LVT	LVT-1	RB	RB-1	GWB/VWC	PSG/FF	P-1/VWC-1	GWB	PSG	P-1	GWB/VWC	PSG/FF	P-1/VWC-1	UOS/ACP/FC	PSG/FF/FF	P-1/ACP-1/2/FC-	101			
102	CORRIDOR	LVT	LVT-1	RB	RB-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	102			
103	EXAM ROOM	LVT	LVT-1	RB	RB-1	GWB	PSG	P-6	GWB	PSG	P-5	GWB	PSG	P-5	GWB	PSG	P-5	103			
104	EXAM ROOM	LVT	LVT-1	RB	RB-1	GWB	PSG	P-6	GWB	PSG	P-5	GWB	PSG	P-5	GWB	PSG	P-5	104			
105	EXAM ROOM	LVT	LVT-1	RB	RB-1	GWB	PSG	P-6	GWB	PSG	P-5	GWB	PSG	P-5	GWB	PSG	P-5	105			
106	STORAGE RM	LVT	LVT-2	RB	RB-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	106			
107	UNISEX	LVT	LVT-1	RB	RB-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	107			
108	STORAGE RM	LVT	LVT-1	RB	RB-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	108			
109	DATA RM	LVT	LVT-1	RB	RB-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	109			
110	MH / BH (SECURD)	CPT	CPT-1	RB	RB-1	GWB/TWP	PSG/FF	P-5/TWP-1	GWB	PSG	P-5	GWB	PSG	P-5	AWP	FF	AWP-1	110			
111	SOCIAL WORKER (SECURD)	CPT	CPT-1	RB	RB-1	GWB/TWP	PSG/FF	P-5/TWP-1	GWB	PSG	P-5	GWB	PSG	P-5	AWP	FF	AWP-1	111			
112	SWSS CLERK	LVT	LVT-1	RB	RB-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	112			
113	WAITING RM	LVT	LVT-1	RB	RB-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	113			
114	CLEAN DIRTY WORKROOM	LVT	LVT-1	RB	RB-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	114			
115	CLOSET	LVT	LVT-1	RB	RB-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	GWB	PSG	P-1	115			
116	MH / BH (SAC)	LVT	LVT-1	RB	RB-1	GWB	PSG	P-6	GWB	PSG	P-5	GWB	PSG	P-5	GWB	PSG	P-5	116			
117	EXAM ROOM	LVT	LVT-1	RB	RB-1	GWB	PSG	P-6	GWB	PSG	P-5	GWB	PSG	P-5	GWB	PSG	P-5	117			
118	UNISEX STATION	LVT	LVT-1	RB	RB-1	GWB	PSG	P-6	GWB	PSG	P-5	GWB	PSG	P-5	GWB	PSG	P-5	118			

ITEM	MATERIAL	LOCATION	ITEM	MATERIAL	LOCATION
04 05 11 - MASONRY MORTARING AND GROUTING			09 96 00 - HIGH-PERFORMANCE COATINGS		
M-1 ORCO, TO MATCH CMU-1		TYPICAL	P-7 TNEEC, CUSTOM COLOR TO MATCH P-3		INT HM DOORS/FRAMES @EXAM ROOMS
04 26 13 - MASONRY VENEER			P-8 TNEEC, CUSTOM COLOR TO MATCH P-3		INT HM DOORS/FRAMES @OFFICES/CONFERENCE ROOM
CMU-1 ORCO, MORTAR, NATURAL GRAY, MEDIUM WEIGHT		TYPICAL	P-9 TNEEC, CUSTOM COLOR TO MATCH P-3		INT HM DOOR/FRAME @WORKROOM/STORAGE
05 30 00 - METAL FABRICATIONS			10 11 00 - VISUAL DISPLAY UNITS		
MP-1 MCNICHOLS, #16019211M1, PERFORATED METAL, 'ROUND' CARBON STEEL, HRPO, 11 Gauge (.1196" Thick), 1" ROUND ON 1-1/4" STAGGERED CENTERS, 58% OPEN AREA W/ U/BEDGING AT PERIMETER, SIZE PER PLANS		ACCENT @ ENTRY	TWP-1 CARNegie, XOREL, METEOR, #6421/2000		TYPICAL
05 30 00 - FINISH COATINGS			10 14 23 - SIGNAGE		
FC-1 CUSTOM MDF PANELS, FINISH: PL-2, ARBORITE, 'ESSENTIAL ARTISAN WALNUT' W2011 AW		SOFFITS	SIGN-1 CUSTOM COLOR TO MATCH P-1		TYPICAL @ GRAPHICS/ SYMBOLS
06 41 00 - ARCHITECTURAL WOOD CASEWORK			SIGN-2 CUSTOM COLOR TO MATCH P-6		TYPICAL @ BACKGROUND
PL-1 FRONTIE, 'NIRUBIS WHITE' SWISS, HEX FINISH		HALF WALL @NURSE STATION	10 26 00 - WALL AND DOOR PROTECTION		
PL-2 ARBORITE, 'ESSENTIAL ARTISAN WALNUT' W2011 AW		TYPICAL @CASEWORK / ACCENT @RECEPTION COUNTERS/ SOFFITS	CG-1 KORROSEAL, KORROGUARD CORNER GUARD #GS10, STAINLESS STEEL TYPE 304 W/ #4 SATIN FINISH, ADHESIVE MOUNTED (NO TAPE OR SCREWS), 1" LEG		WHERE NOTED IN PLANS
RP-1 3-FORM, VARIA, RIDGE 'SABLE', 1/2" THICK		ACCENT @NURSE STATION	12 24 00 - WINDOW SHADES		
07 42 13 - METAL WALL PANELS			RS-1 DRAPER, INFINITY 2, #IN2-QG1 'BARLEY', 5% OPENNESS, MOTORIZED		TYPICAL
MWP-1 METAL SALES, STRUCTURAL STANDING SEAM, MAGNA-LOC, 22GA, 16" PANEL W/STRIATIONS 'METALLIC SILVER'		EXTERIOR	SSM-1 CORIAN SOLID SURFACE, 'WITCH HAZEL'		TYPICAL / RECEPTION COUNTERS
07 42 13.23 - METAL COMPOSITE PANELS			32 13 13 - SITE CONCRETE		
MCP-1 CITADEL, ENVELOPE 3000 DEEP REVEAL (DRV), 'REGAL RED'		ACCENT @ EXTERIOR	CONC-1 NATURAL CONCRETE TO MATCH EXISTING		HARDSCAPE
07 62 00 - SHEET METAL FLASHING AND TRIM			32 31 19 - DECORATIVE METAL FENCES AND GATES		
SMF-1 HICKMAN, PERMASNAP & PERMASNAP PLUS COPING, FINISH TBD		TYPICAL	OSF-1 AMERISTAR MOUNTAGE II MANTLE, BLACK TO MATCH EXISTING		EXTERIOR
08 43 13 - ALUMINUM-FRAMED STOREROOMS			32 33 00 - SITE FURNISHINGS		
ALUM-1 ARCADIA, 'CLEAR ANODIZED' FAC-2		TYPICAL	CF-1 WESTRE, BLOC SEAT W/ BACKREST, POWDERCOATED W/ RAL COLOR TBD		TYPICAL
08 56 59 - SERVICE AND TELLER WINDOW UNITS					
ALUM-2 ARCADIA, 'CLEAR ANODIZED' FAC-2		EXAM ROOMS/ OFFICES			
08 80 00 - GLAZING (PLASTIC FILMS)					
GF-1 3M, FASARA GLASS FINISHES, MAT CRYSTAL-I SH2MACR-I					
09 24 00 - CEMENT PLASTERING					
CPL-1 FAREX USA, LA HABRA, CUSTOM PLASTER FINISH COAT TO MATCH 'GRAY WHITE' #3013L (61), FOG COAT TO BE PAINTED TO MATCH DUNN EDWARDS, COLOR TBD		TYPICAL			
09 30 00 - TILING					
T-1 DALTILE, VOLUME 1.0 GLAZED PORCELAIN, 'ELECTRIC MOSS', 12"x24"		RESTROOM FLOORING			
T-2 DALTILE, ASTHETIC, 'FLAT GLOSSY' AS21, 12"x24", GLOSSY FINISH		RESTROOM WALL TILE			
T-3 DALTILE, ASTHETIC, 'FREQUENCY' AS22, 12"x36", SATIN FINISH		RESTROOM WALL TILE			
T-4 TILEBAR, KENRIDGE, 'MAPLE RIBBON' MATTE, 24"x48"		ACCENT WALL TILE @NURSE STATION			
09 30 00 - TILING (ACCESSORY)					
TB-1 SCHLUTER, DILEX-AHK #AHK-15-80-ACG, 'POLISHED CHROME ANODIZED ALUMINUM' #ACG, 5/16"H, INTEGRATED RIGID PVC TRAPEZOID PROFILE		RESTROOM BASE			
09 30 00 - TILING (GROUT)					
G-1 CUSTOM BUILDING PRODUCTS, #545 'BLEACHED WOOD'		WALL TILE @RESTROOMS			
G-2 CUSTOM BUILDING PRODUCTS, #185 'NEW TAPE'		FLOOR TILE @RESTROOMS			
G-3 CUSTOM BUILDING PRODUCTS, #380 'HAYSTACK'		WALL TILE @NURSE STATION			
09 51 00 - ACOUSTICAL CEILINGS					
ACT-1 ARMSTRONG, ULTIMA, SQUARE LAY-IN #1910-WH, WHITE, 24"x24"x3/4" W/ 15/16" PRELUDE SUSPENSION SYSTEM, NRC: 0.75		TYPICAL @ ENCLOSED ROOMS			
09 65 00 - RESILIENT FLOORING					
LVT-1 SHAW CONTRACT, UNITE II COLLECTION, INLET II 4372V, 'SPINDLE' #72140, 9"x48", 5MM THICK, INSTALLED IN ASHLAR PATTERN		TYPICAL			
LVT-2 SHAW CONTRACT, UNITE II COLLECTION, INLET II 4372V, 'VALLEY' #72103, 9"x48", 5MM THICK, INSTALLED IN ASHLAR PATTERN		ACCENT			
09 65 00 - RESILIENT FLOORING (RUBBER BASE)					
RB-1 FLEXCO WALL BASE, 'NICKEL' #090 4"H, JOHNSONITE		TYPICAL			
09 68 13 - TILE CARPETING					
CPT-1 SHAW CONTRACT, COLLECTIVE COLLECTION, IN TUNE TILE #ST496, 'INCLUDE COLOR' #50678, 9"x36", INSTALLED IN HERRINGBONE PATTERN		TYPICAL @OFFICES/ CONFERENCE ROOMS			
09 72 00 - WALL COVERINGS					
VWC-1 KORROSEAL, DIGITAL SURFACES, CANVAS #DS0108, CUSTOM GRAPHICS TO BE PROVIDED BY ARCHITECT		PUBLIC LOBBY/ WAITING RM			
09 84 30 - SOUND-ABSORBING WALL AND CEILING UNITS					
ACP-1 ARKUTURA, SOUNDSTAR, SOFT SOUND ESSENTIALS 'SAND' w/ FRAME POWDER COAT COLOR: 'OAT', 5'x5'-9 5/16", 12" DEPTH MODULE		ACCENT @ PUBLIC LOBBY/ WAITING RM			
ACP-2 ARKUTURA, SOUNDSTAR, SOFT SOUND ELEMENTALS, COLOR: 'SIENNA' w/ FRAME POWDER COAT COLOR: 'TO MATCH SIENNA', 5'x5'-9 5/16", 12" DEPTH MODULE		ACCENT @ PUBLIC LOBBY/ WAITING RM			
AWP-1 HISEL, ECHO-LINE, STUCCO PANELS, ETCHED ACOUSTIC PANELS, COLOR: 'PERBLEN' #022, 46"x108"x47" THICK		ACCENT @OFFICES			
09 91 23 - INTERIOR PAINTING					
P-1 DUNN EDWARDS, DE6365 'COLD MORNINGS'		TYPICAL			
P-2 DUNN EDWARDS, DE6900 'WESTERN RED'		ACCENT @SOFFIT/ GRAPHICS			
P-3 DUNN EDWARDS, DET486 'WILDLOWER HONEY'		ACCENT @AROUND EXAM ROOM DOORS/ GRAPHICS			
P-4 DUNN EDWARDS, DEC576 'RIVERBEND'		ACCENT @AROUND OFFICE/CONFERENCE ROOM DOORS/ GRAPHICS			
P-5 DUNN EDWARDS, DE6213 'FINE GRAY'		ACCENT			
P-6 DUNN EDWARDS, DE6215 'WOODEN PEG'		ACCENT			

COLORS, MATERIALS & FINISHES LEGEND



TYPICAL RESTROOM WALL TILE PATTERN



ACCENT RESTROOM WALL TILE PATTERN @ SINK

NOTE:
REFER TO COLORS, MATERIALS AND FINISHES LEGEND FOR ADDITIONAL INFORMATION

FINISH FLOOR PLAN

SCALE:
1/8" = 1'-0"

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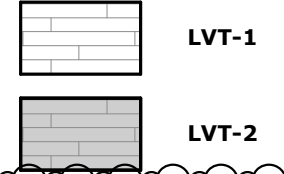
RESTROOM WALL TILE PATTERNS

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FLOOR FINISH LEGEND

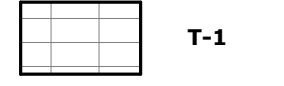
RESILIENT FLOORING



CARPET TILE



TILE FLOORING



CORNER GUARDS



NOTE:
REFER TO COLORS, MATERIALS AND FINISHES LEGEND FOR ADDITIONAL INFORMATION

FINISHES PLAN /
SCHD & CMF LEGEND

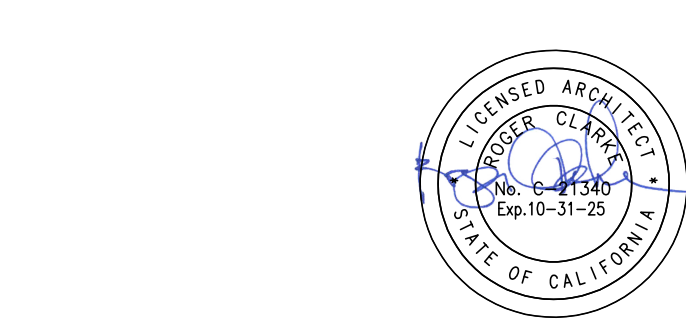
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10/10/25 10:10:10

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FINISH NOTES

- ALL FINISHES SHALL COMPLY WITH CBC CHAPTERS 3, 8, & 10, CFC AND CCR TITLE 19 AND STATE OF CALIFORNIA TECHNICAL BULLETIN 117-2013.
- WALL AND CEILING MATERIALS SHALL NOT EXCEED THE FLAME SPREAD CLASSIFICATIONS IN CBC TABLE 803.1.3.
- ALL ADJACENT DISSIMILAR FINISH MATERIALS TO RECEIVE SEALANT PER MFR INSTRUCTIONS, U.N.O.
- SEE INTERIOR ELEVATION SHEETS FOR ACCENT PAINT LOCATIONS.
- ALL EXPOSED STEEL, LOUVERS, ACCESS PANELS AND WALL GRILLES TO BE PAINTED TO MATCH ADJACENT SURFACE, U.N.O.
- TOILET ROOM, TOILET ROOM VESTIBULES, AND FOOD SERVICE AREA WALLS AND CEILINGS NOT COVERED BY EITHER TILE OR F.P. TO HAVE MOISTURE RESISTANT GYPSUM BOARD, U.N.O.
- COORDINATE FINISHES WITH MECHANICAL FOR PLUMBING FIXTURES.
- FOR EXTENT AND PATTERN OF CEILING FINISH, SEE REFLECTED CEILING PLAN. REFER TO RCP GENERAL NOTE #4 FOR FINISH AT I.U.O.S.
- AT COVE BASE, PROVIDE CONTINUOUS 3/8" RADIUS
- FOR TYPICAL CERAMIC TILE DETAILS, REFER TO DETAIL
- SEE **SHEET AD-5.0** FOR ALL TRANSITION DETAILS IF IT IS NOT A FLUSH TRANSITION BETWEEN ANY TWO FLOOR FINISHES.
- ALL WALL BASE SHOULD BE INSTALLED USING WHOLE UNITS. NO PIECE SHALL BE SMALLER THAN 1'-0". PREFORMED CORNERS STANDARDIZED.
- FOR MORE INFORMATION ON COLORS, MATERIALS, & FINISHES, REFER TO **SHEET ID-1.0**
- ALL FLOOR FINISHES SHALL BE STABLE, FIRM, & SLIP RESISTANT PER CBC SECTION 118-302.1.
- CARPET / CARPET TILE FLOORING, INCLUDING EXPOSED EDGES, SHALL BE SECURELY ATTACHED / FASTENED TO FLOOR SURFACES WITH TRIM ON ENTIRE LENGTH, FIRM BACKING AND PILE HEIGHT OF 1/2" MAX. PER CBC SECTION 118-302.2. CARPET EDGES SHALL COMPLY WITH CBC SECTION 118-303.
- ALL FLOOR FINISHES SHALL EXTEND BELOW ACCESSIBLE WORKSTATIONS, SINKS, ETC. FOR THE REQUIRED TOE/KNEE CLEARANCE.
- REFER TO CORRESPONDING SPECIFICATIONS FOR BURNING CHARACTERISTICS AND TESTING REQ.

FINISH ABBREVIATIONS

ACP	ACOUSTICAL CEILING PANEL (SUSPENDED)
ACT	ACOUSTICAL CEILING TILE
AWP	ACOUSTIC WALL PANEL
CG	CORNER GUARD
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPL	CEMENT PLASTER
CPT	CARPET
ECO	ECORESIN PANEL
EPOXY	EPOXY FLOOR
EPT	EPOXY TERRAZZO
EXP	EXPOSED
FF	FACTORY FINISH
FRP	FIBERGLASS REINFORCED PANEL
G	GROUT
GPL	GYPSUM PLASTER
GWB	GYPSUM WALLBOARD
GWVB	WATER RESISTANT GWB
LVT	LUXURY VINYL TILE
MESH	METAL MESH SYSTEM
MPS	METAL PANEL SYSTEM
OP	OPERABLE PARTITION
PCPL	PORTLAND CEMENT PLASTER OVER METAL LATH, SAND FINISH
PS	PAINT - EGGSHELL
PL	PLASTIC LAMINATE
PLAS	PLASTER
PP	PAINT, FLAT
PSG	PAINT, SEMI-GLOSS
RB	RUBBER BASE
RES	RESINUS/POXY FLOORING
RF	RUBBER FLOORING
RS	ROLLER SHADE SYSTEM
S	SEAL
SAF	SYNTHETIC ATHLETIC FLOORING
SCW	SOLID CORE WOOD
SEAL	SEALED
SSM	SOLID SURFACE MATERIAL
ST	STAIN WOOD COLOR
STV	STONE TILE VENEER
SV	SHEET VINYL
T	TILE
TWP	TACKABLE WALL PANEL
U.O.S.	UNDERSIDE OF STRUCTURE
VCT	VINYL COMPOSITION TILE
VF	VINYL FABRIC
VWC	VINYL WALL COVERING
WACP	WASHABLE ACOUSTICAL CEILING PANEL (SUSPENDED)
WAF	WOOD ATHLETE FLOORING
WD	WOOD
WDM	WOOD MASSIVE FLOORING

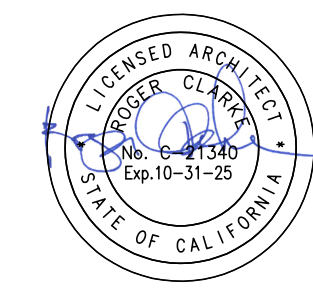
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STAMPS

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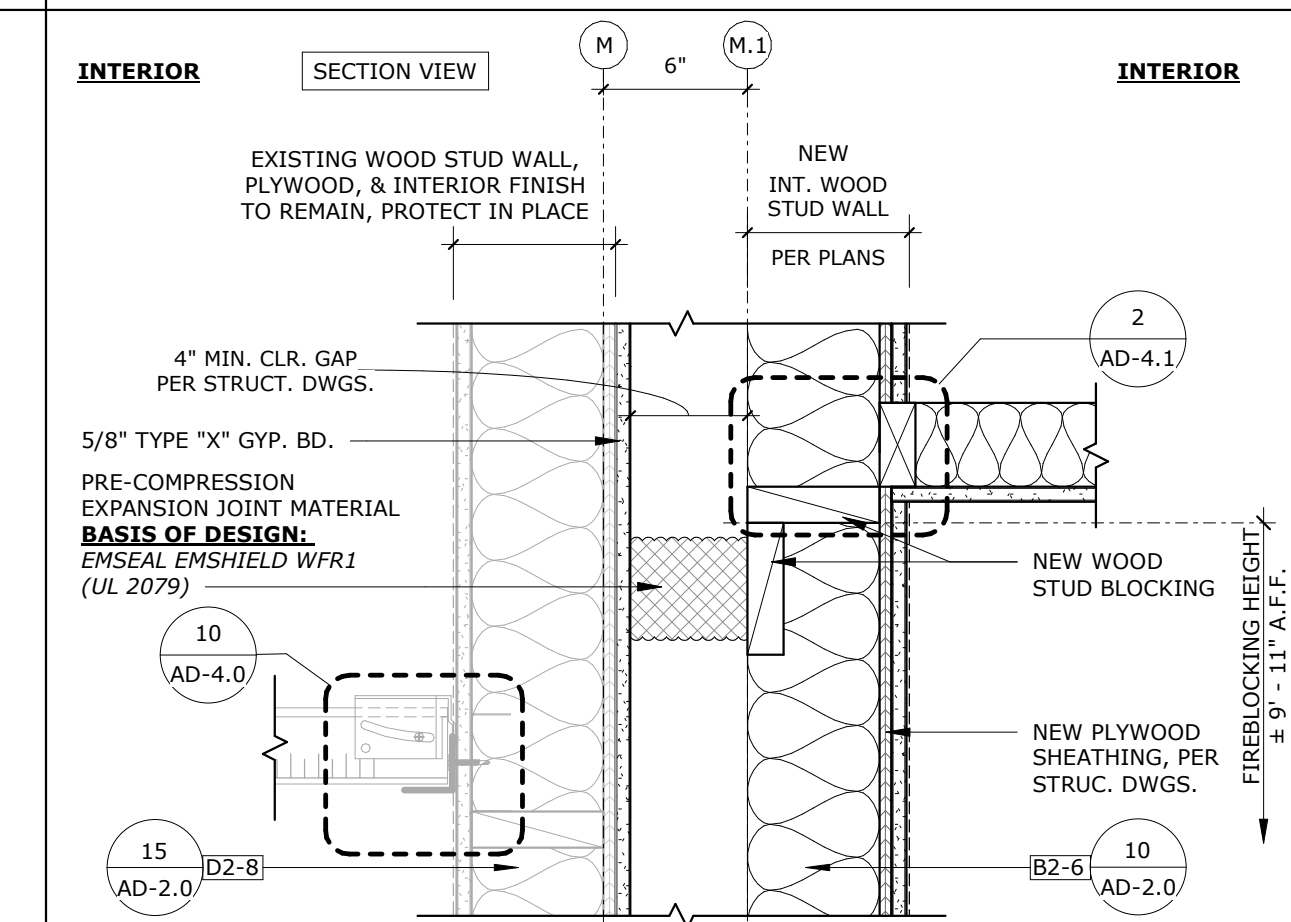
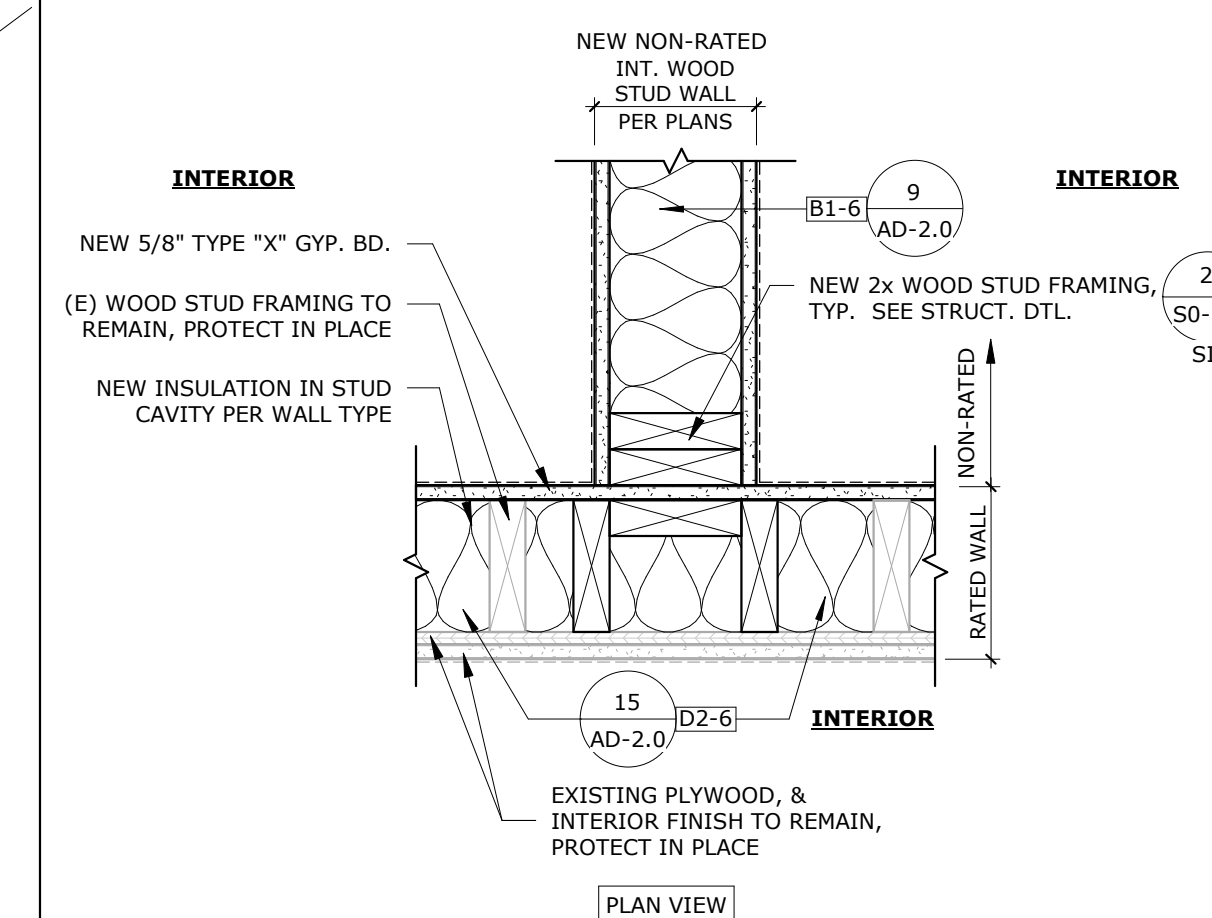
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INT. D2 & B1 WALL JOIN

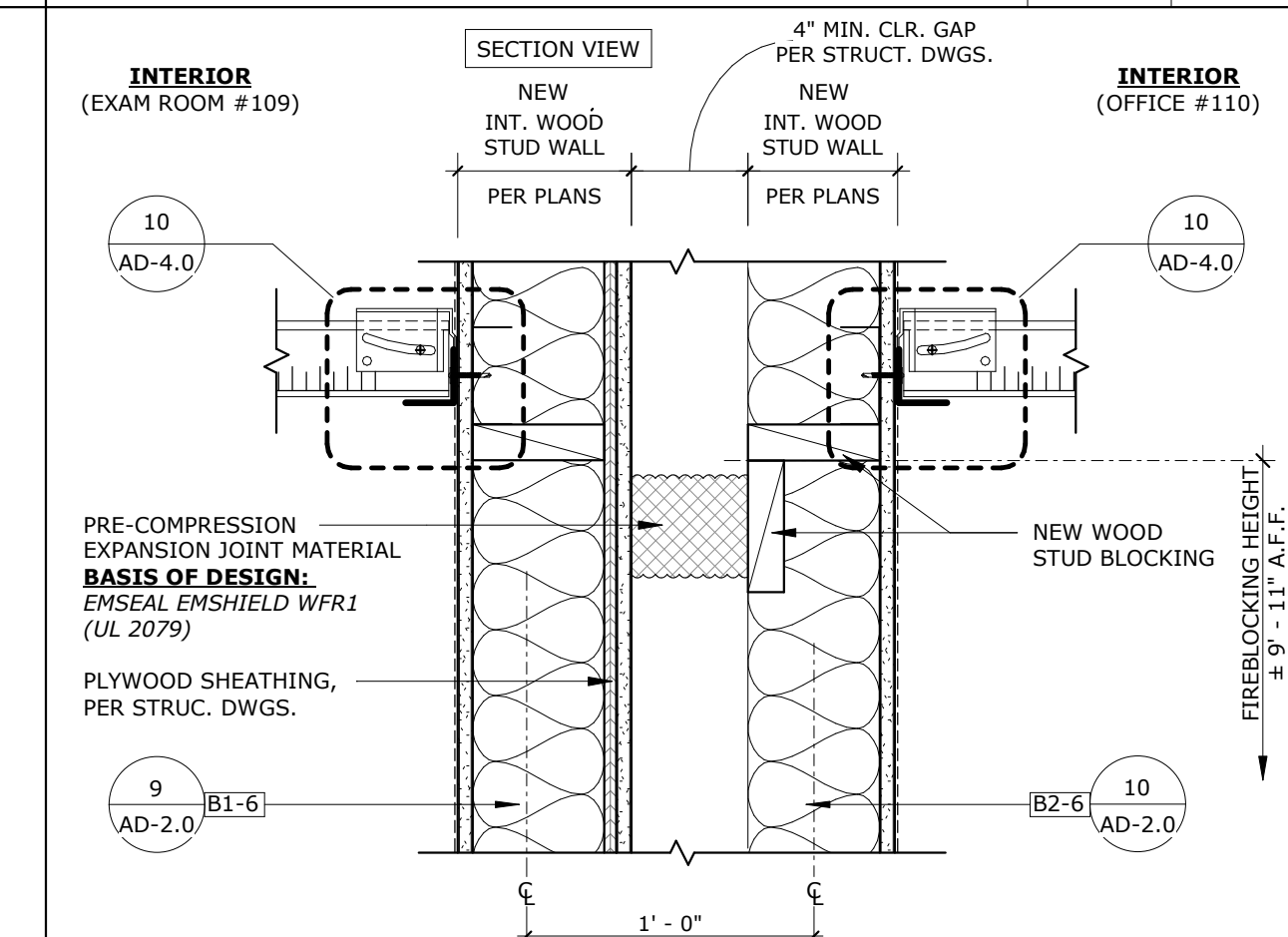
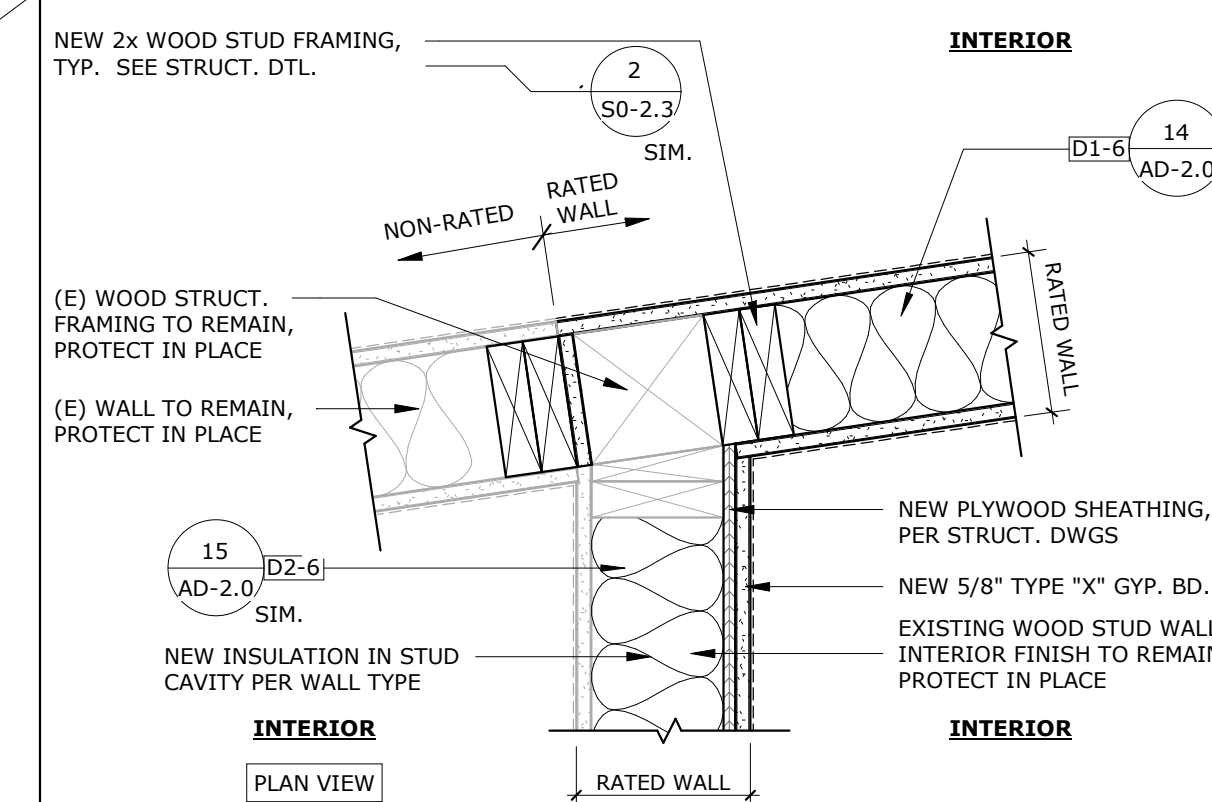
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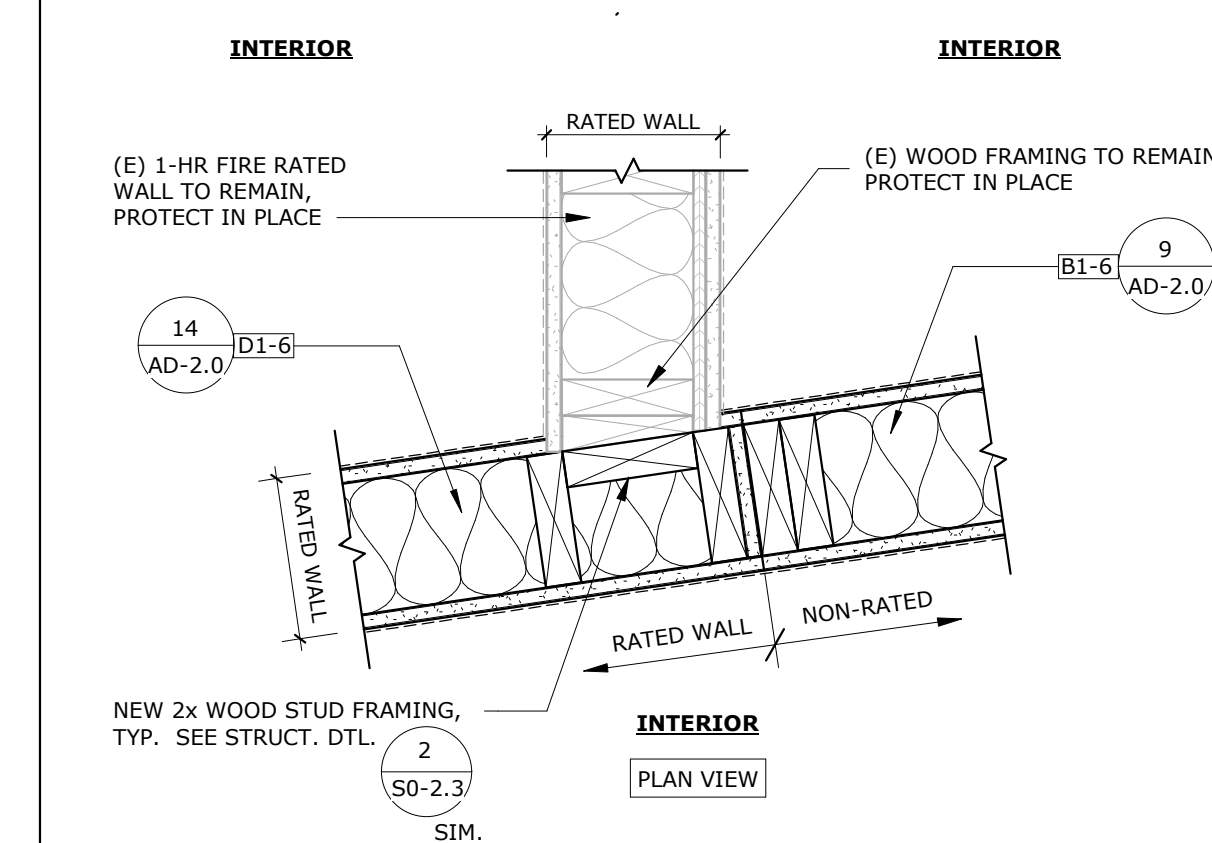
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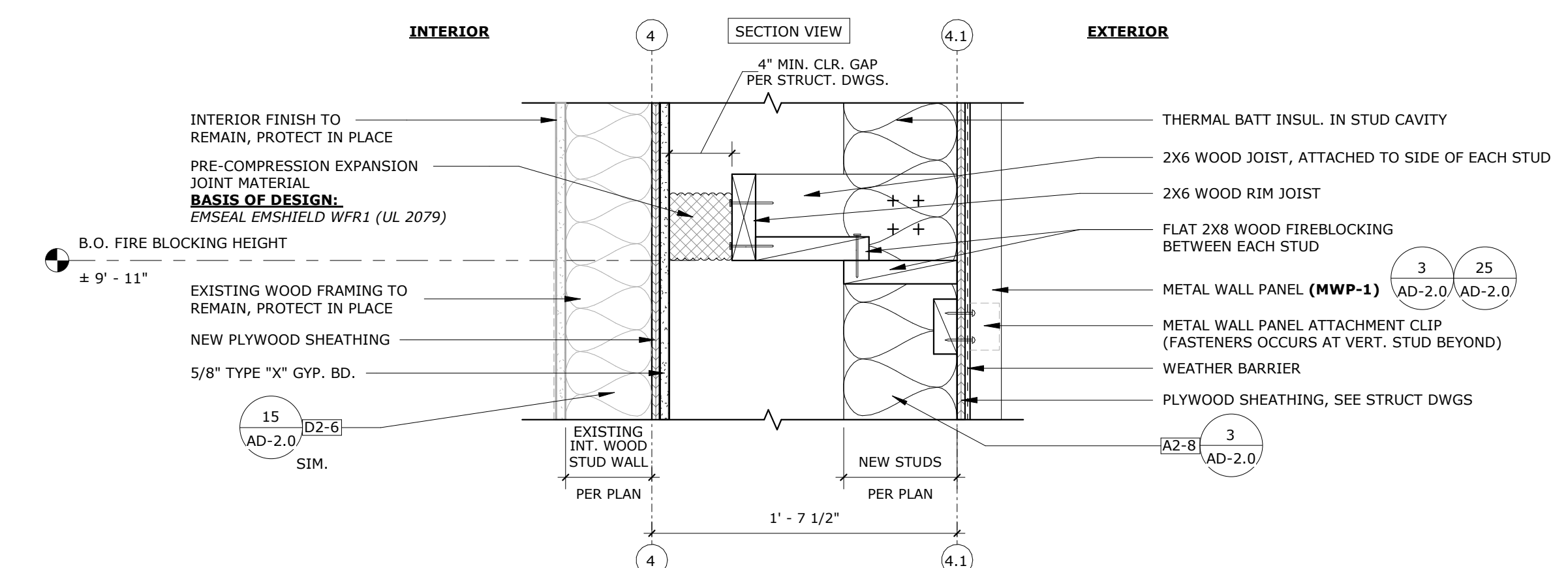
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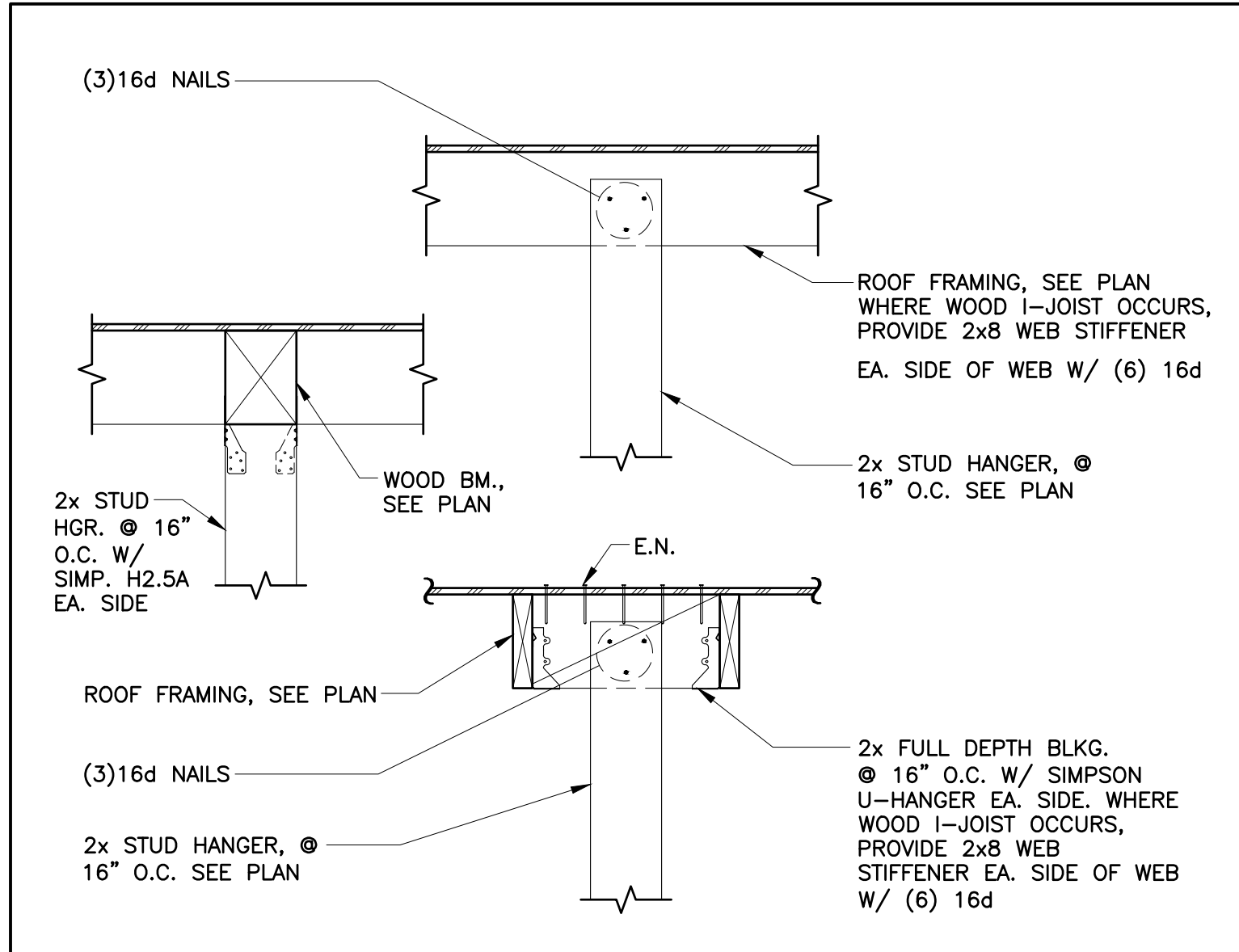
INDIAN SPRINGS HIGH SCHOOL HEALTH CENTER
INDIAN SPRINGS HIGH SCHOOL
650 N DEL ROSA DR, SAN BERNARDINO, CA 92410
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

WALL DETAILS

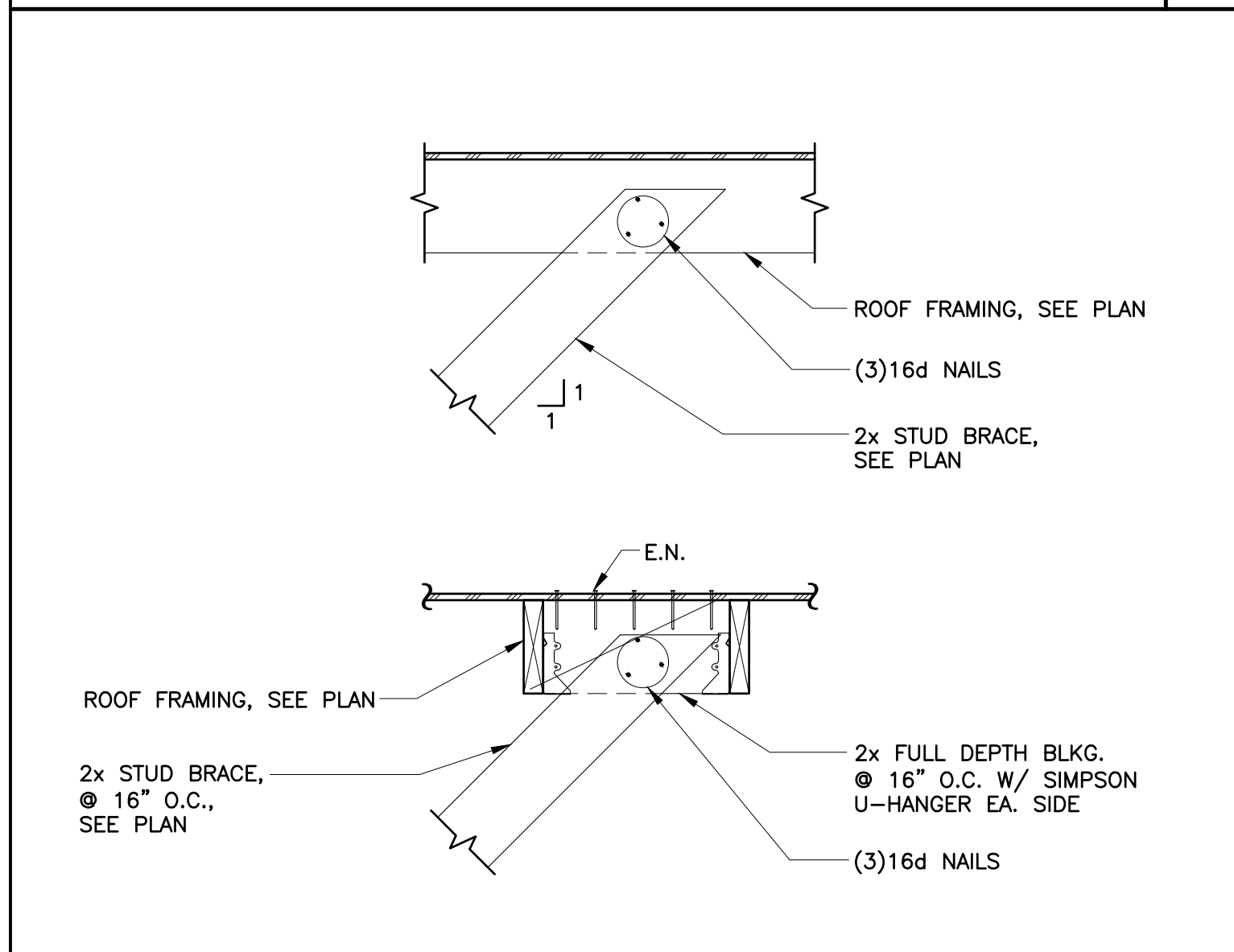
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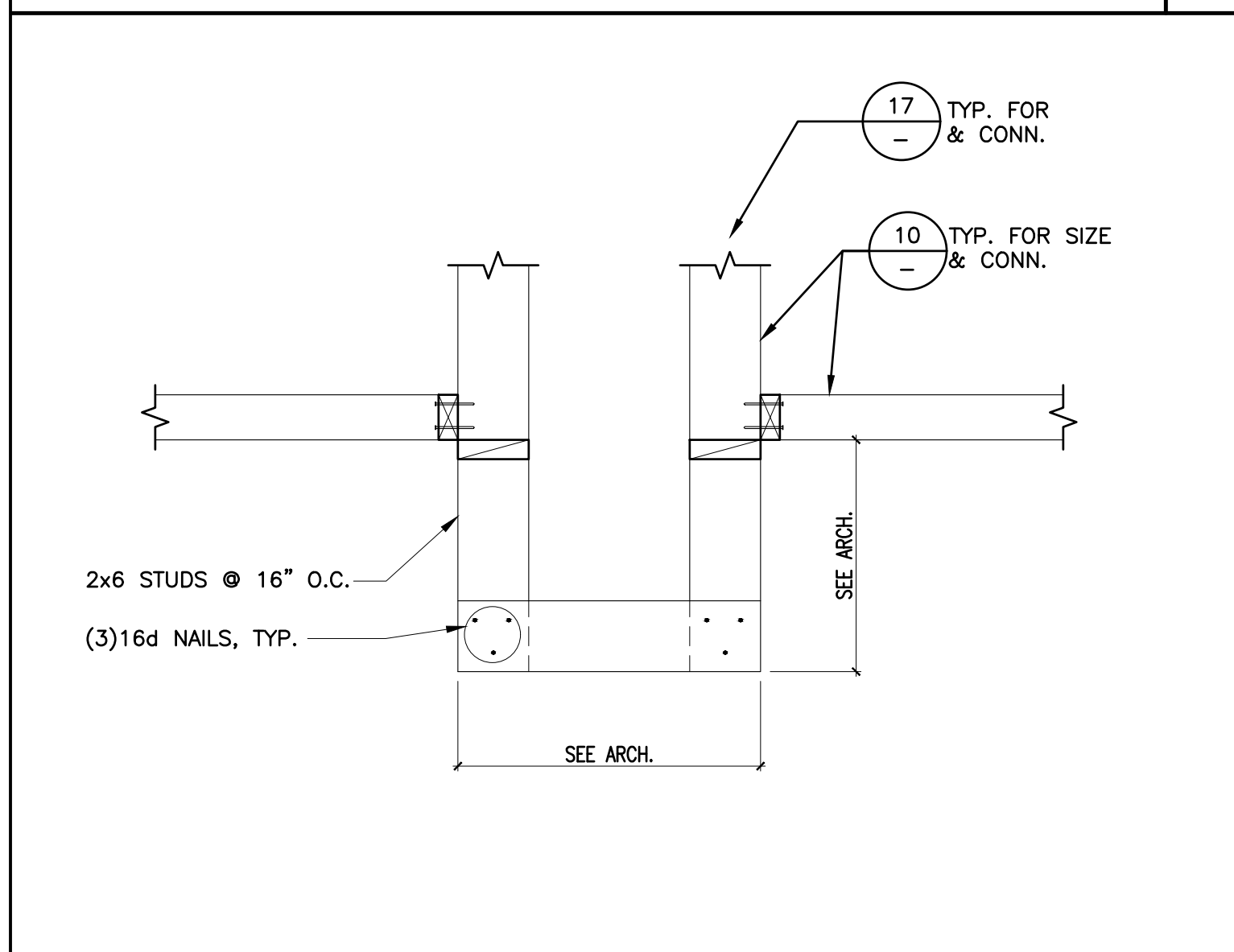
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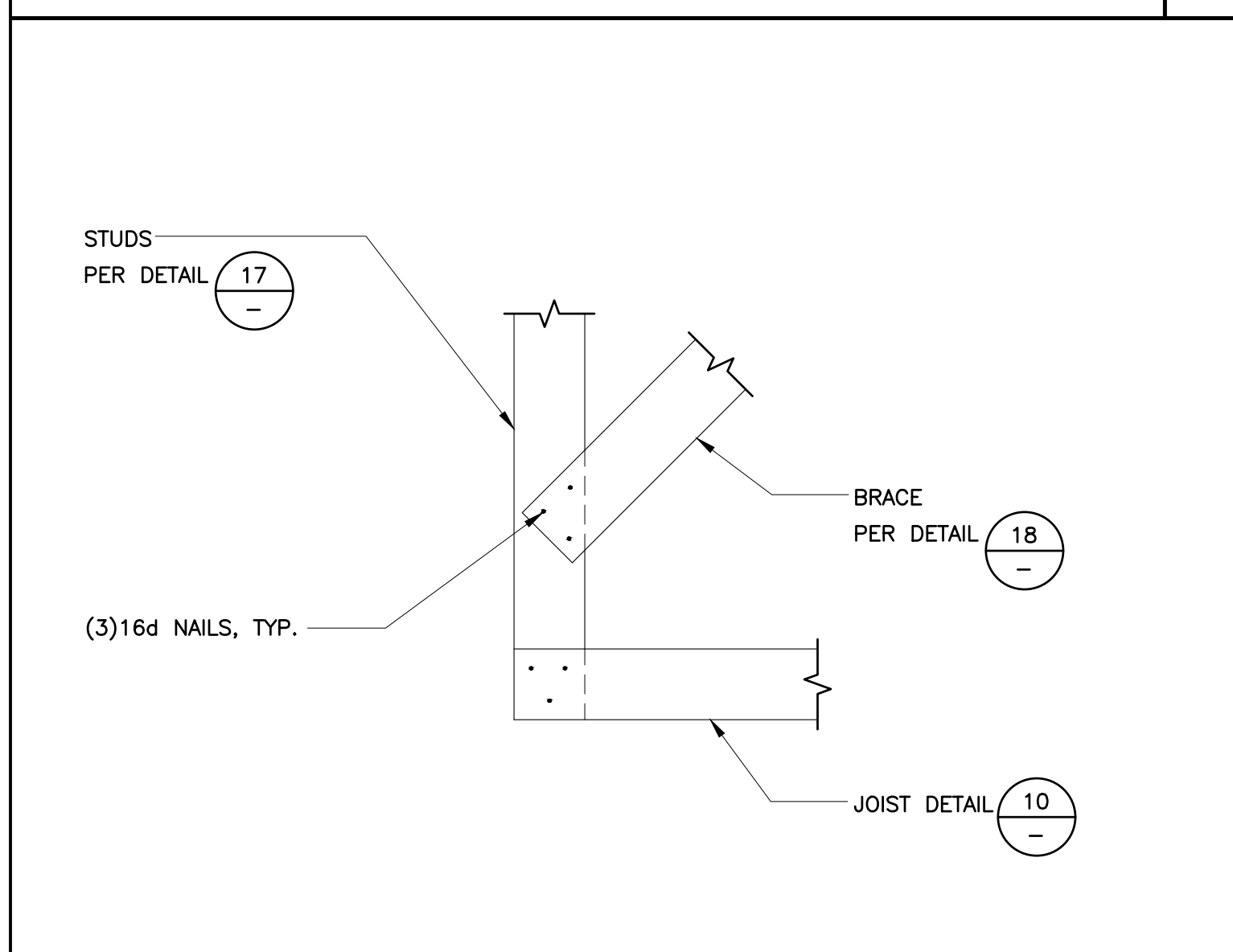
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ISHS-042 SCALE: 1"=1'-0" **TYP. STUD BRACE TO ROOF FRAMING** 18



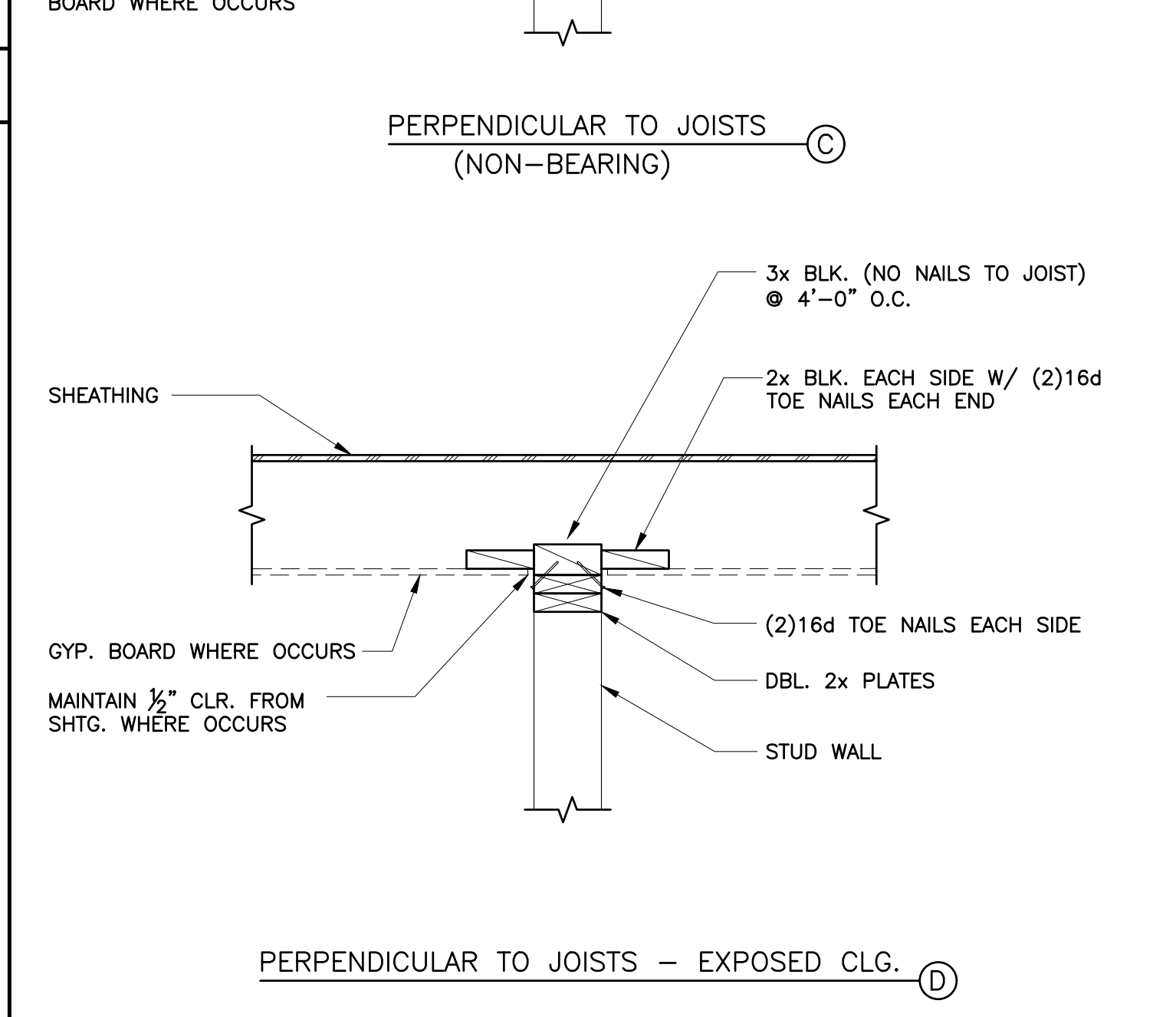
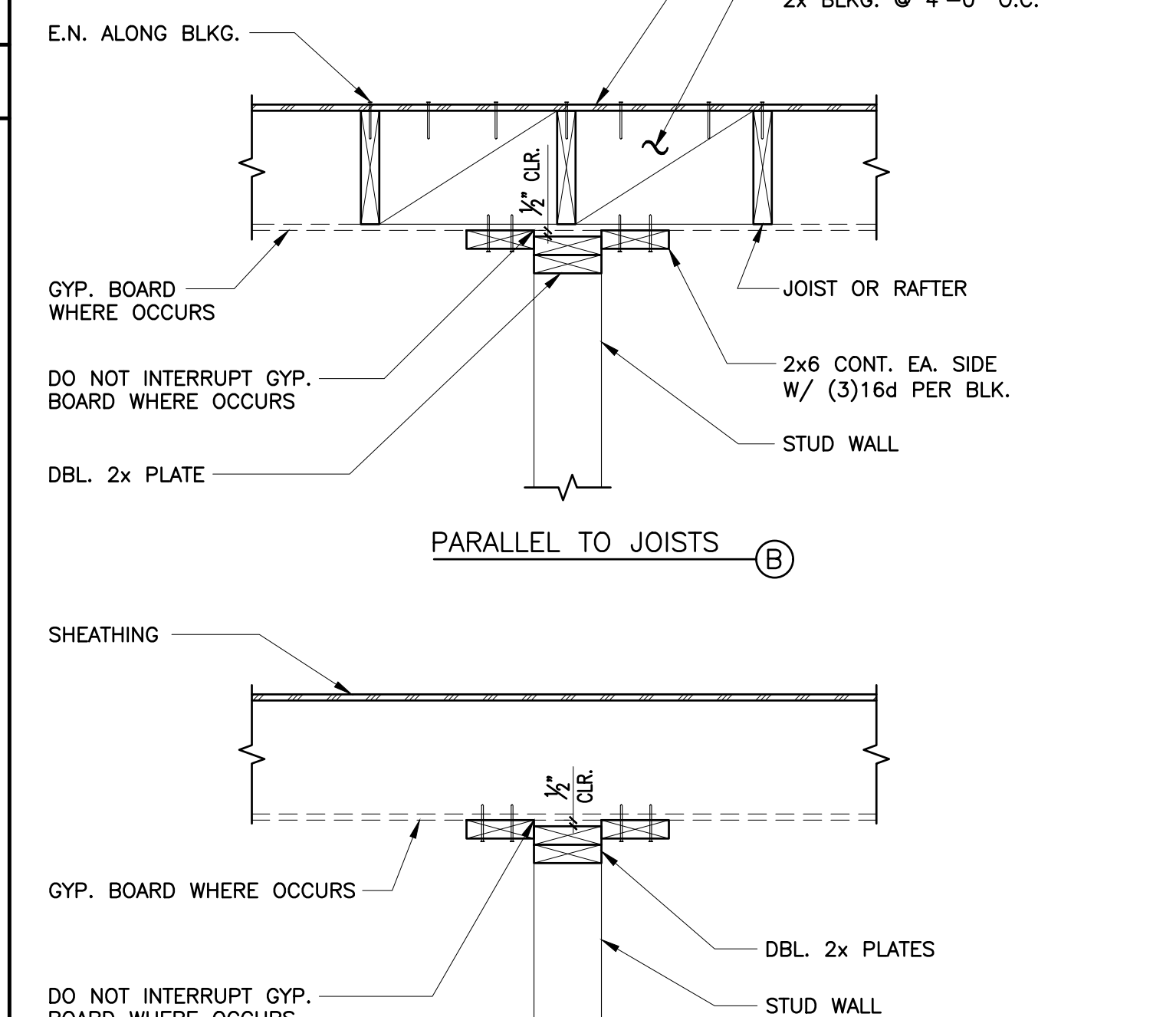
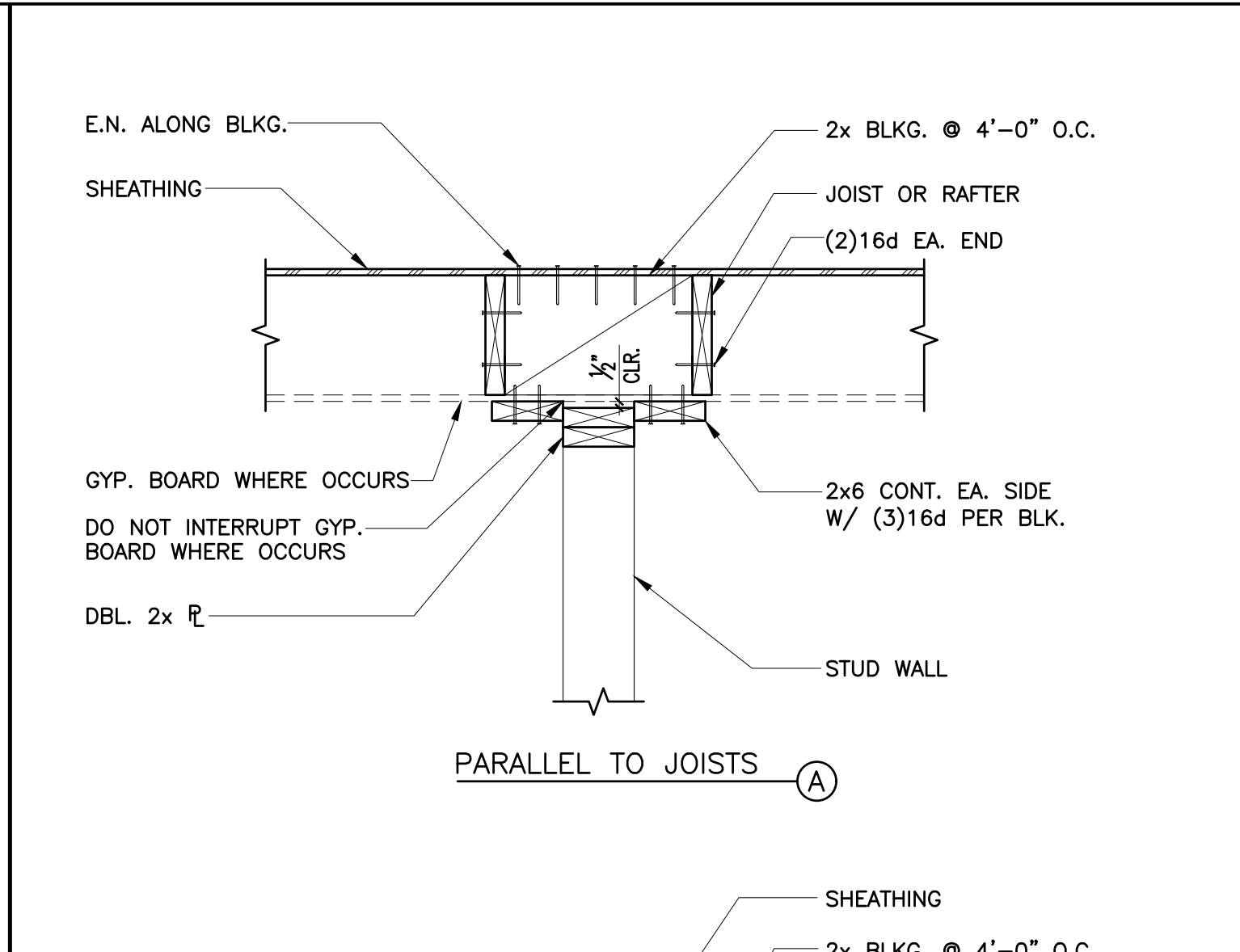
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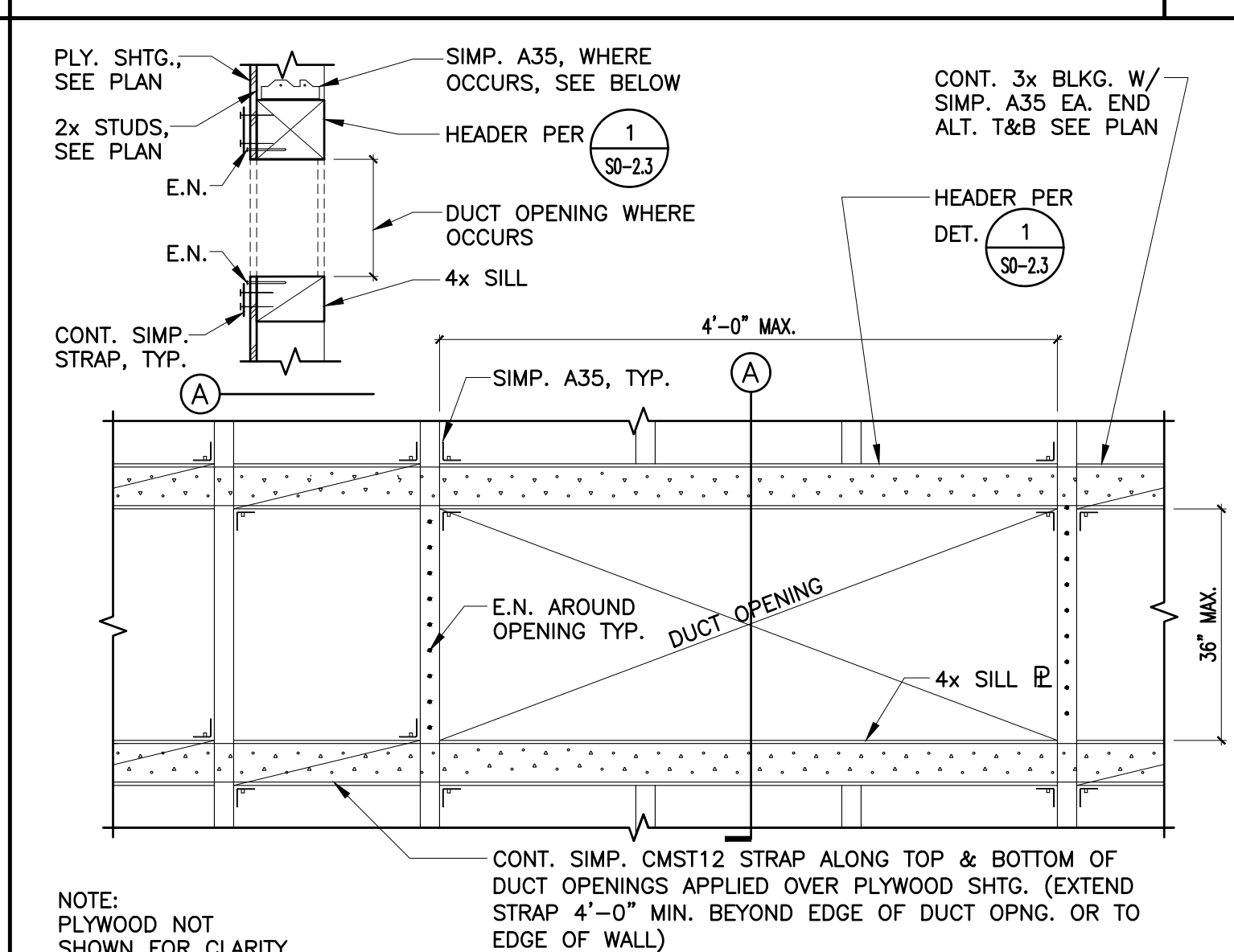
ISHS-044 SCALE: 1"=1'-0" **TYP. STUD BRACING** 20

PROJECT No. :1-78-50
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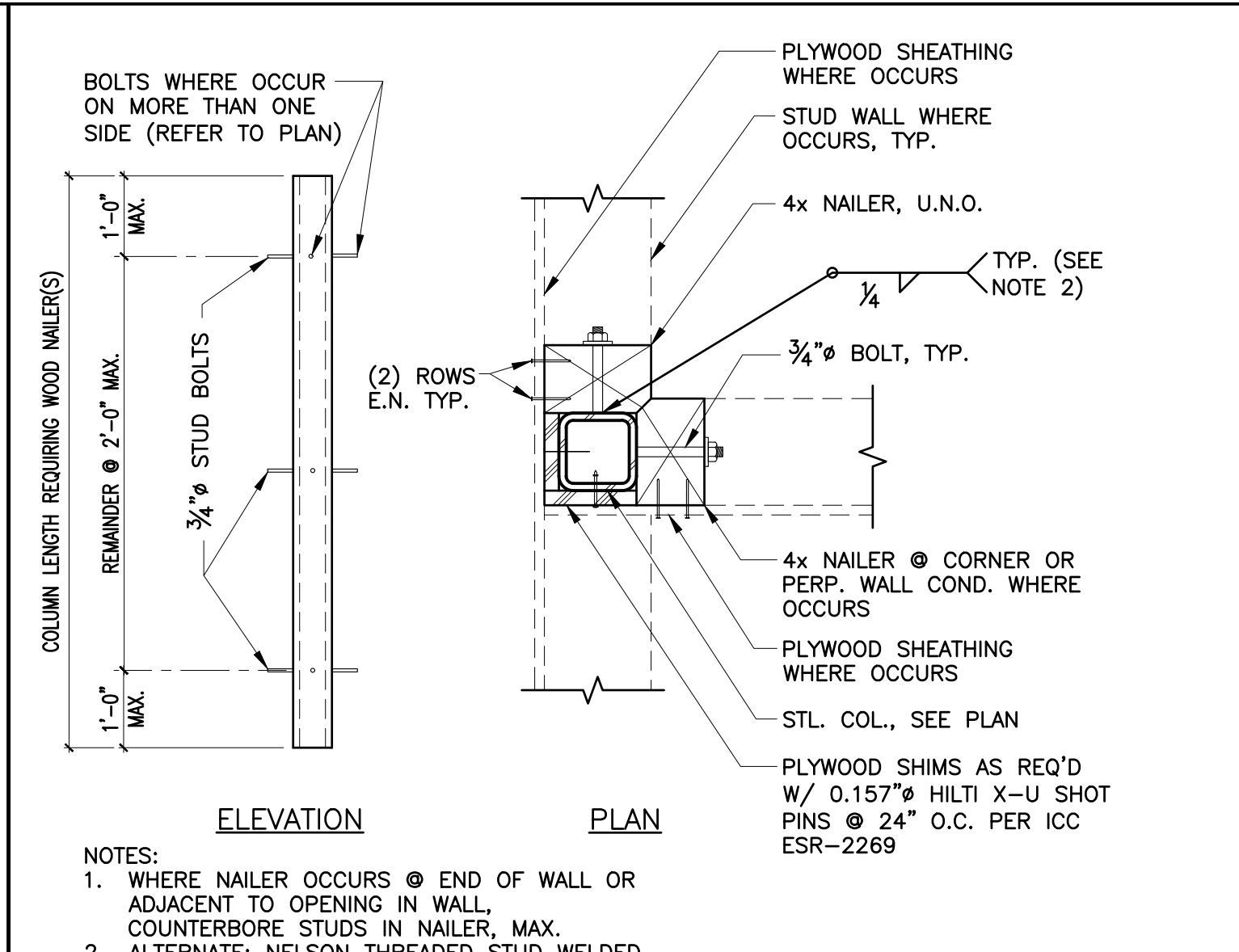
W302-0 SCALE: NO SCALE **WOOD PARTITION TOP SUPPORT** 15



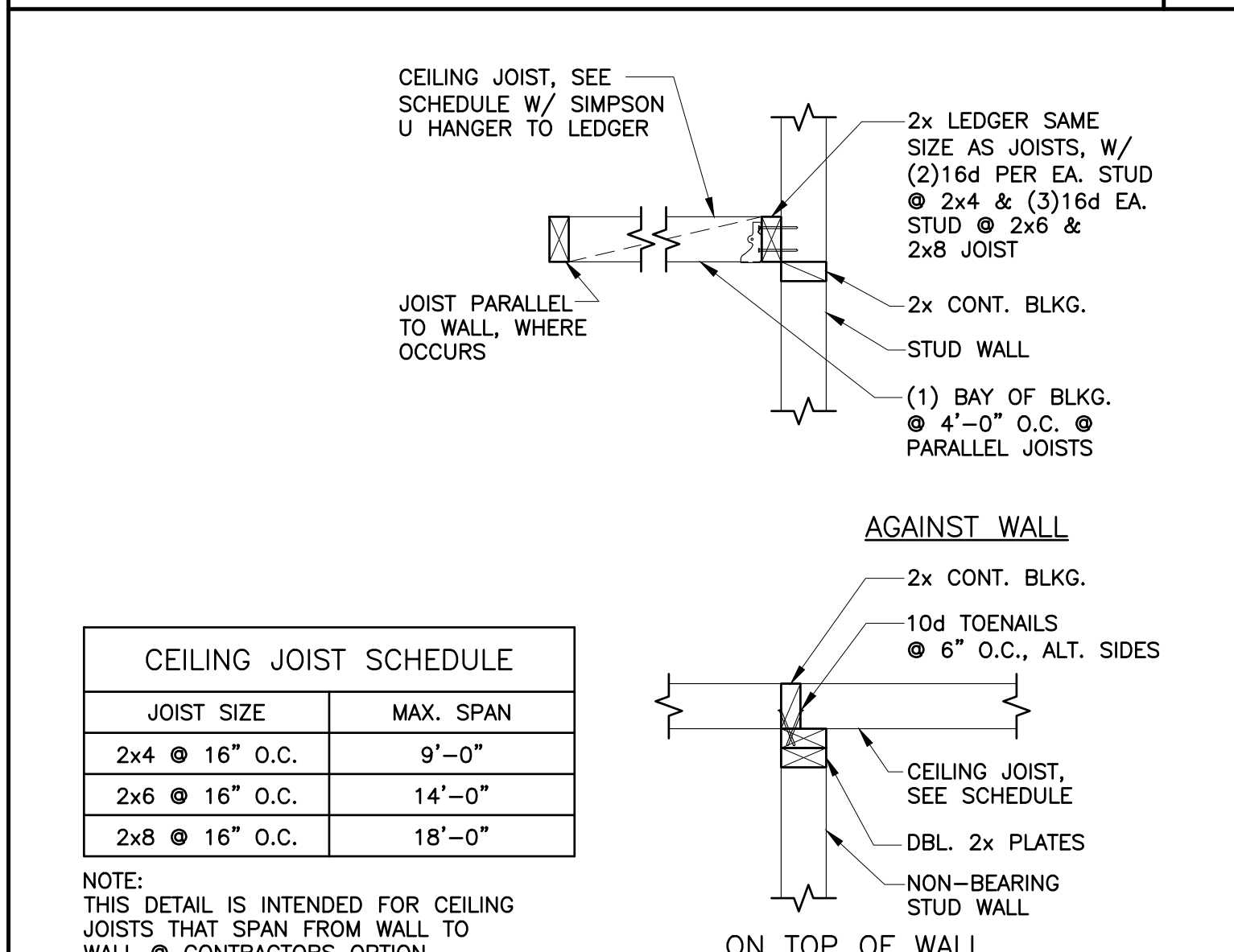
ISHS-056 SCALE: 1"=1'-0" **OPENING IN PLYWOOD SHEARWALL** 16

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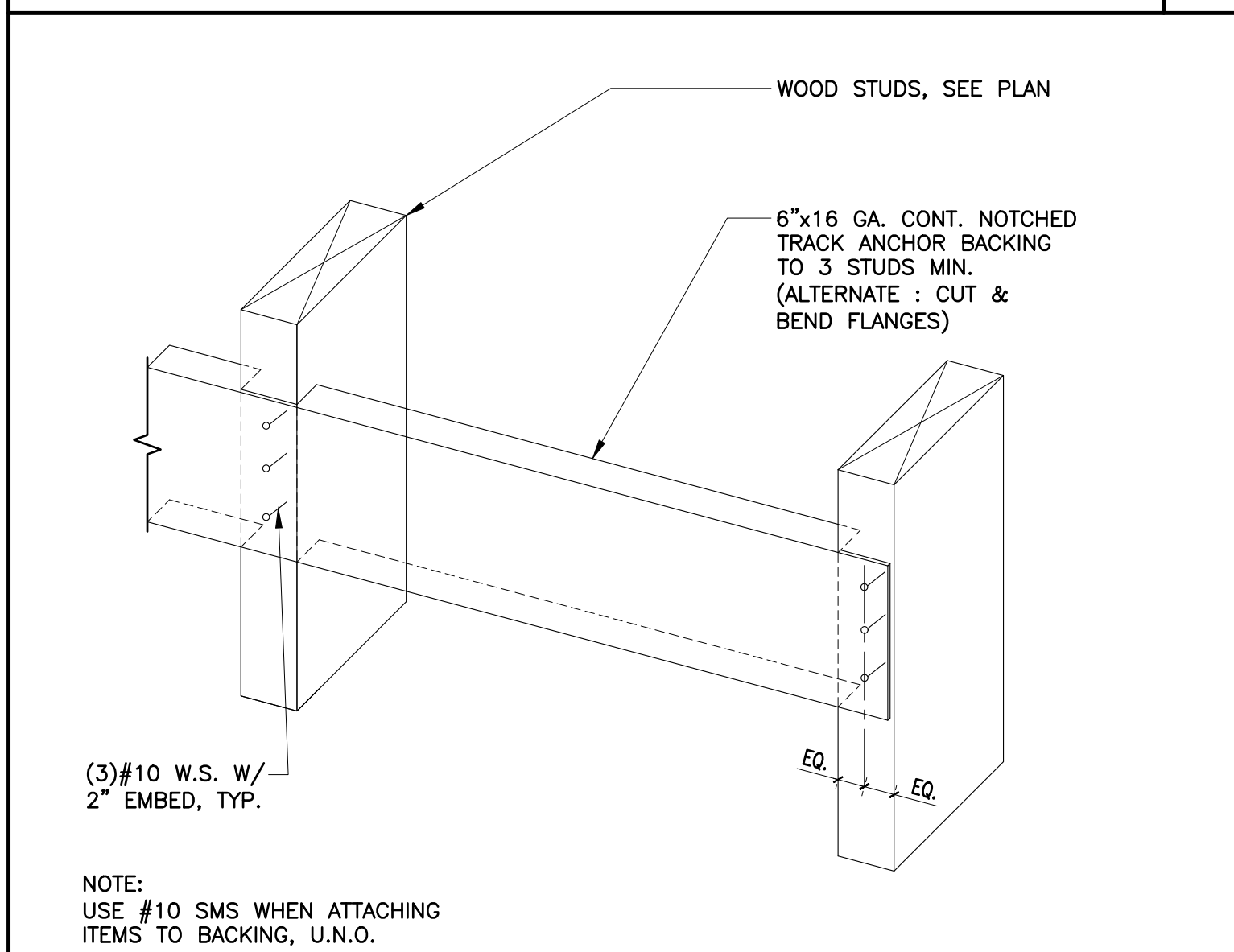
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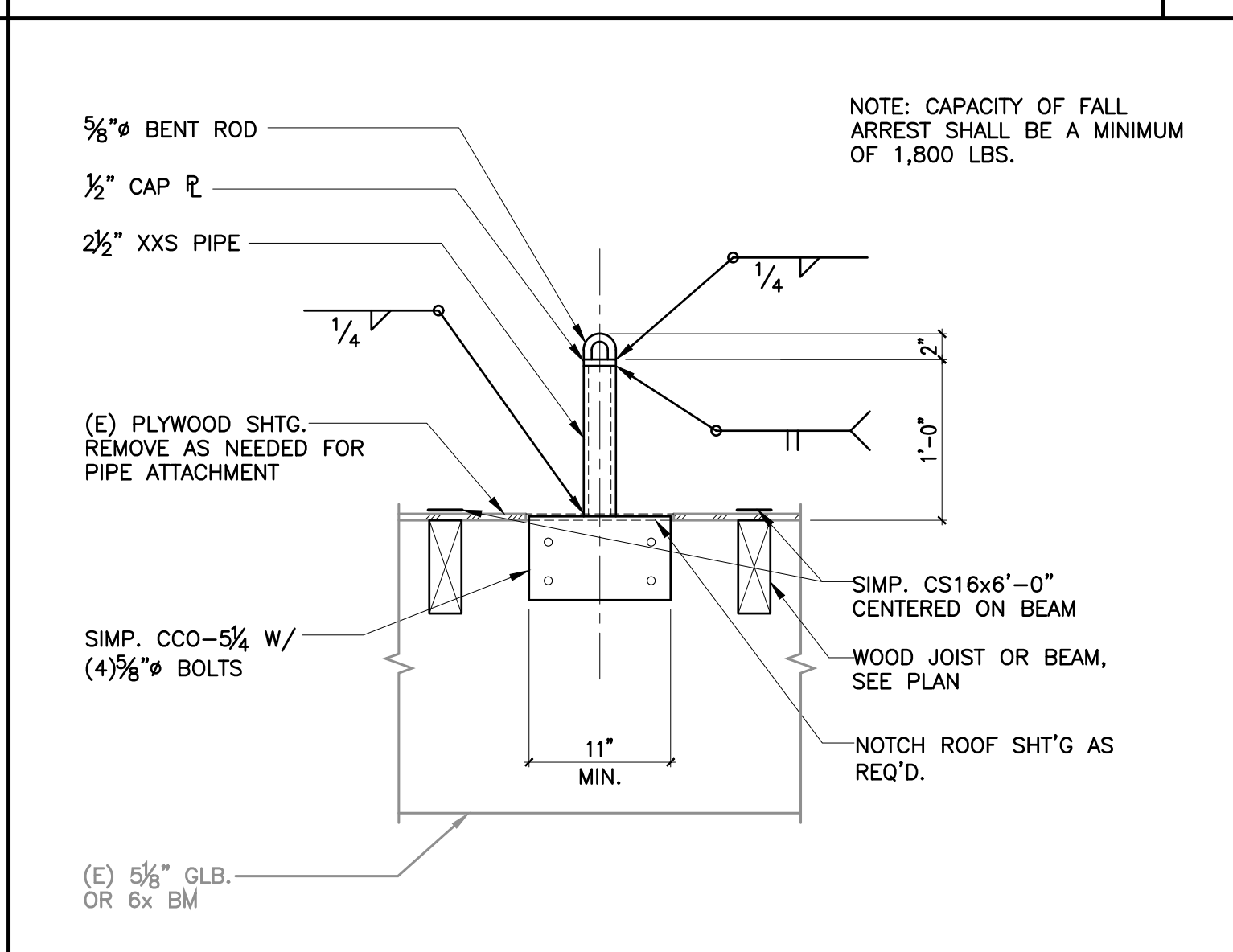
W116-0 SCALE: NO SCALE **WOOD NAILERS TO STEEL COLUMNS** 9



W212-0 SCALE: NO SCALE **CEILING JOIST SCHEDULE & DETAIL** 10



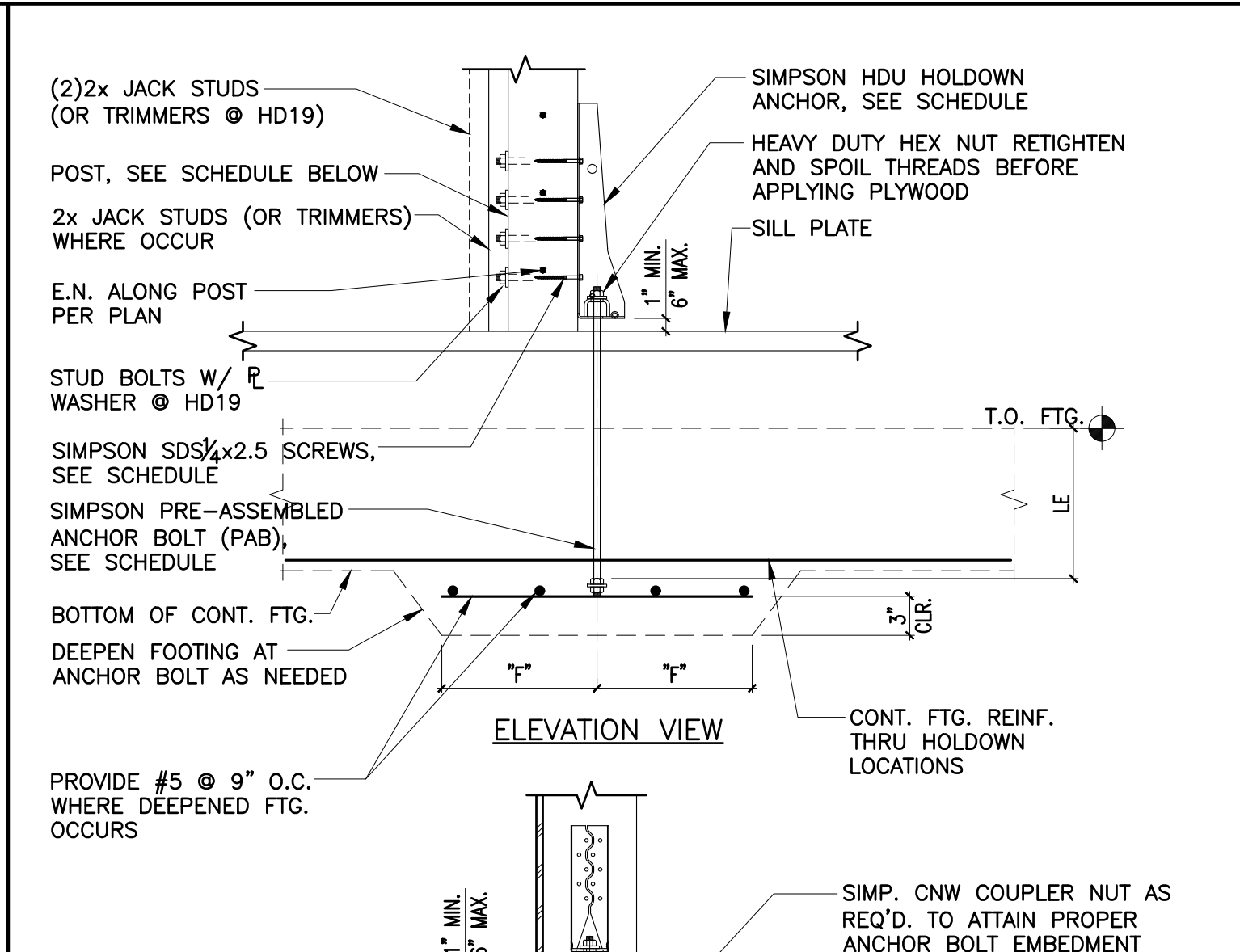
W216-0 SCALE: NO SCALE **BACKING AT WOOD STUDS** 11



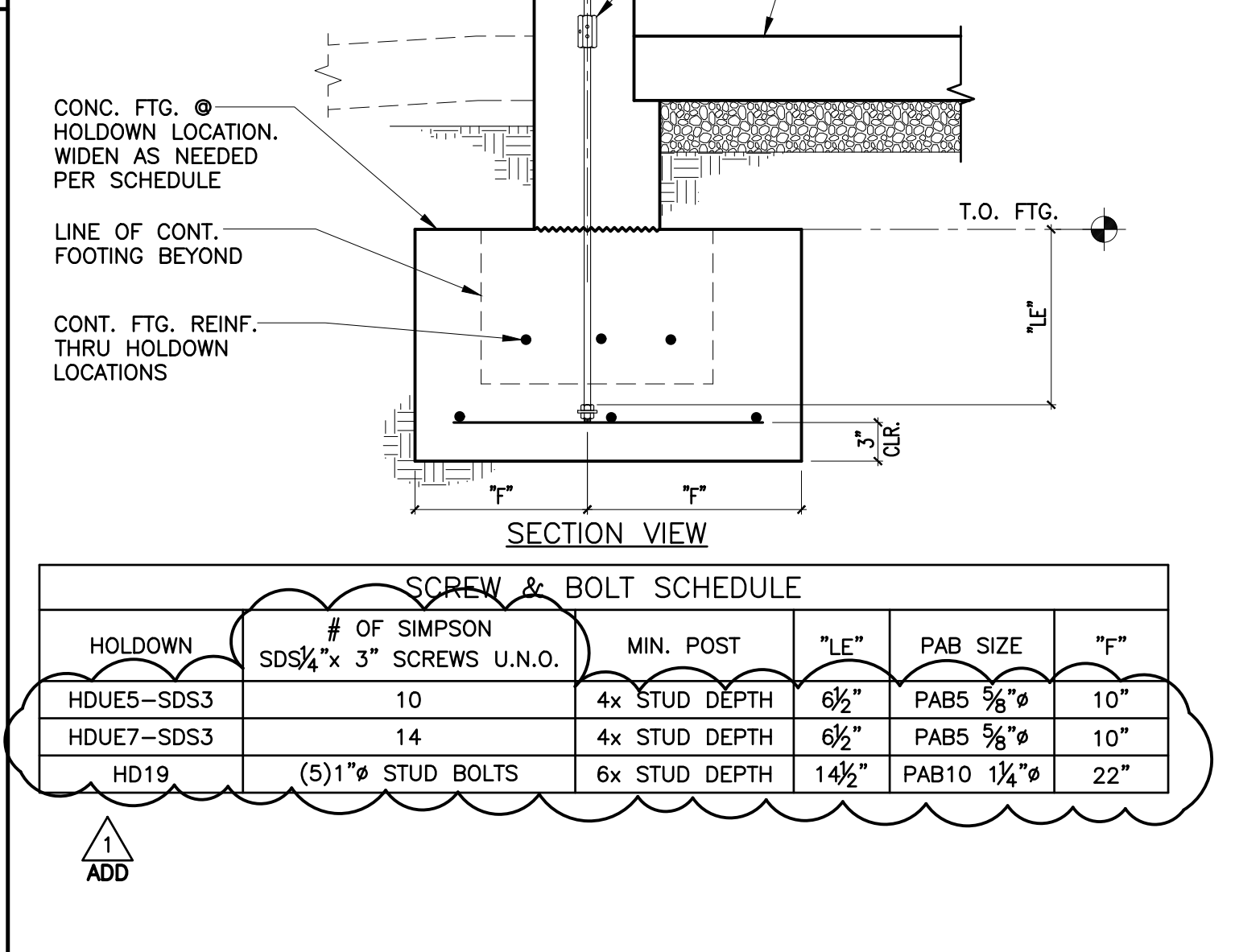
W609-0 SCALE: NO SCALE **ROD HANGER AT WOOD I-JOISTS** 12

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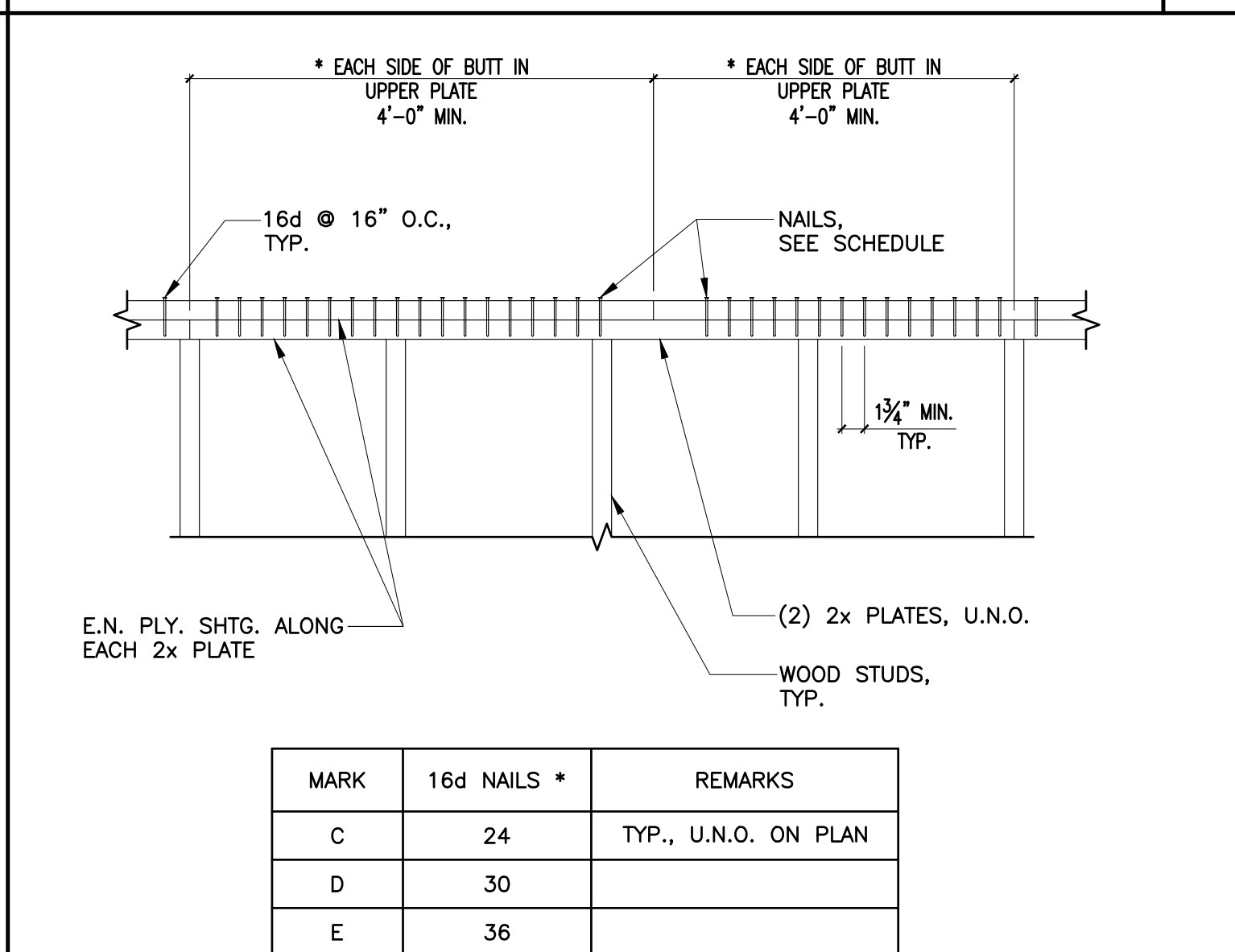
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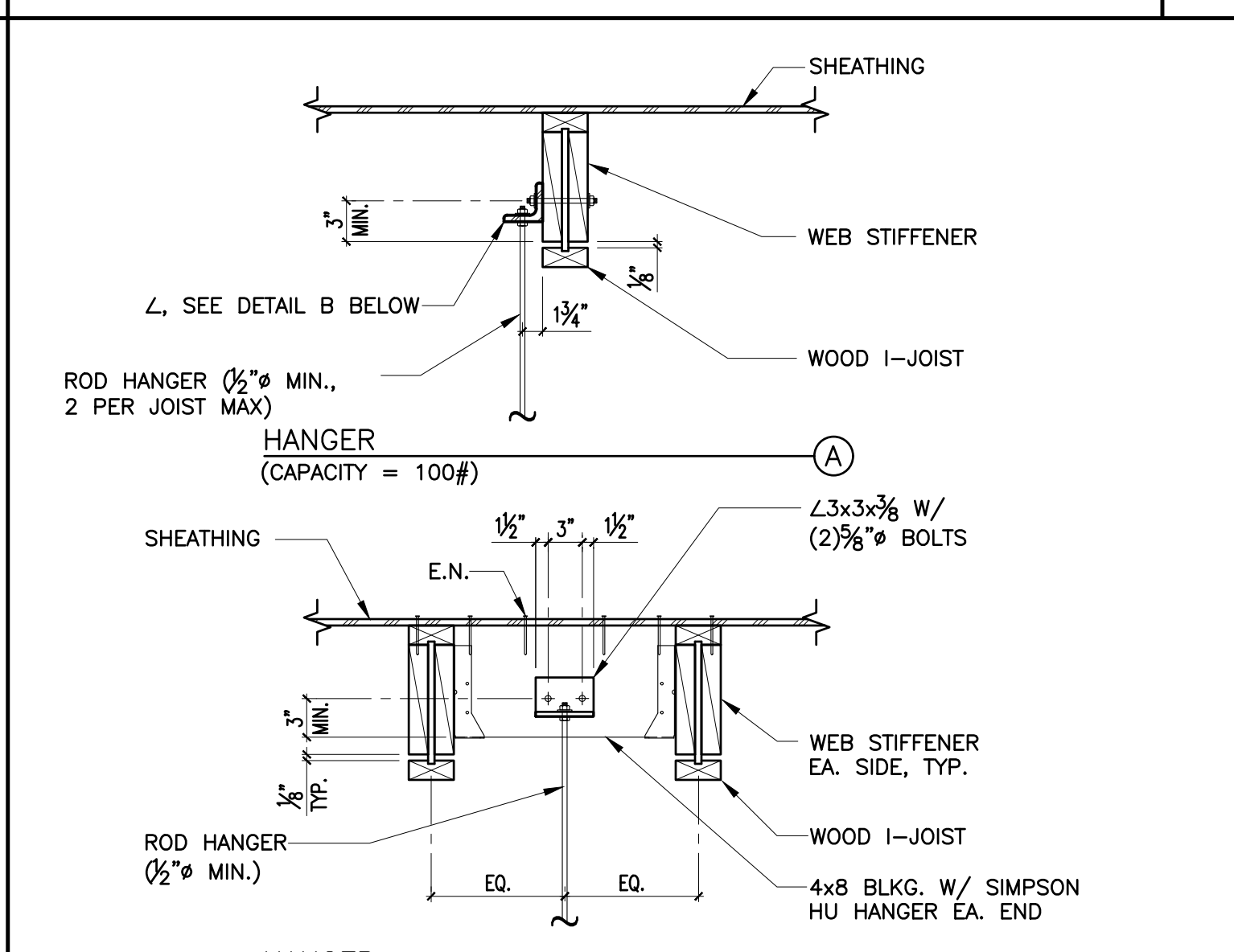
W215-0 SCALE: NO SCALE **HOLDOWN ANCHORS** 6



W215-0 SCALE: NO SCALE **HOLDOWN ANCHORS** 6



W207-0 SCALE: NO SCALE **TOP PLATE SPLICE** 7



W204-0 SCALE: NO SCALE **HORIZONTAL PLYWOOD SHEATHING** 2

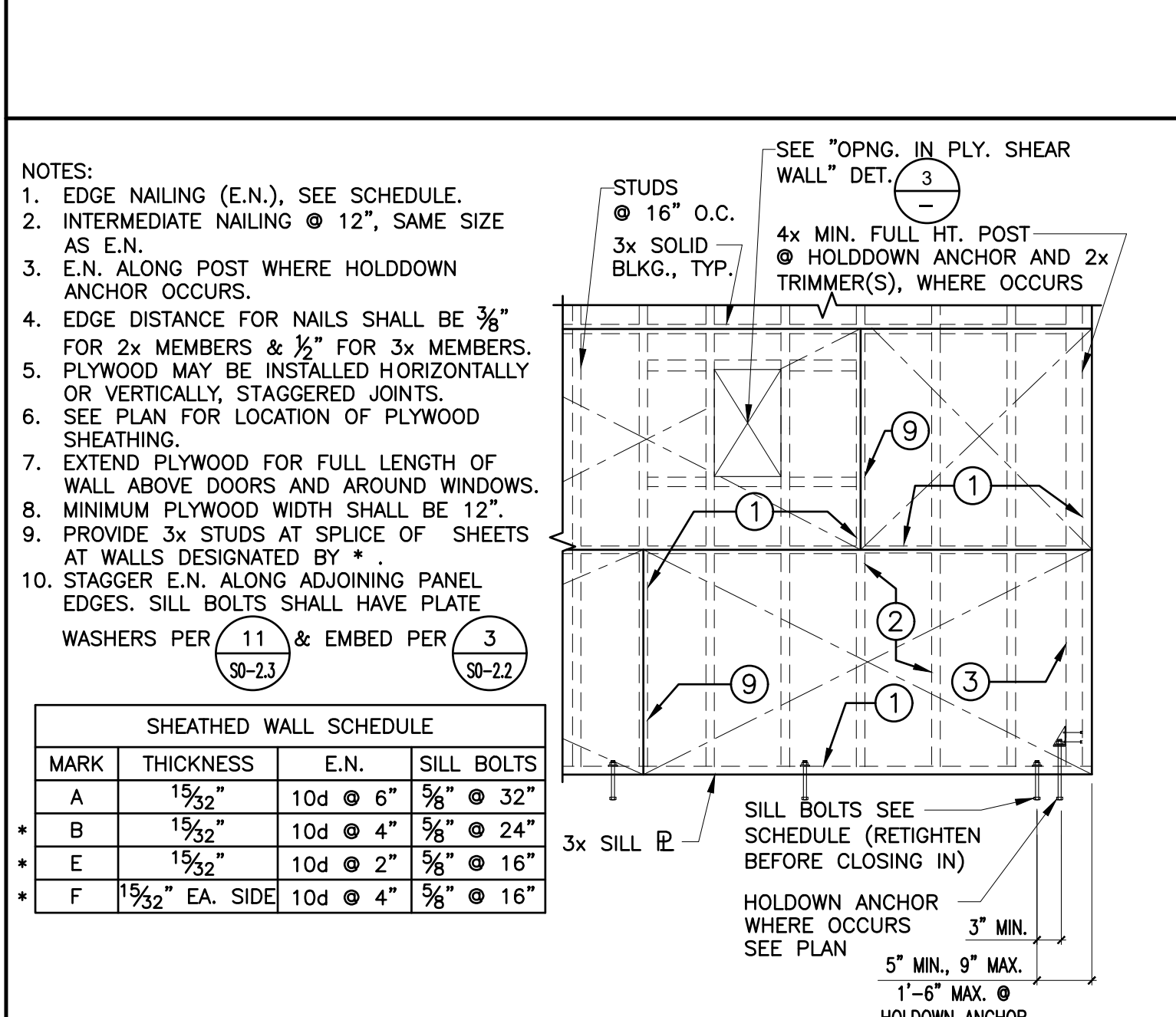
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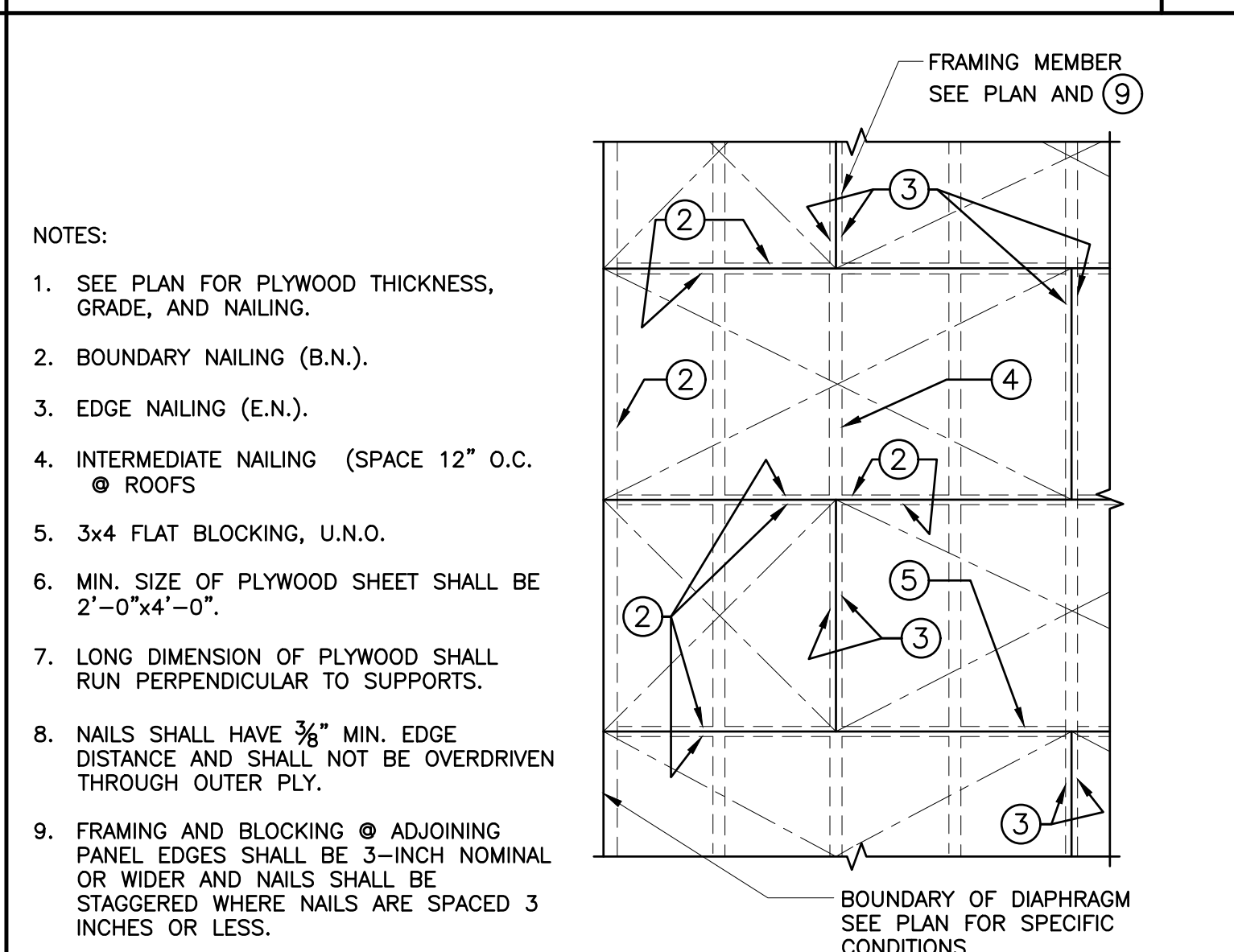
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engineering consultants
1Ada, Suite 100, Irvine, CA 92618
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RTM JOB NO. : 203.805

RUHNAU CLARKE ARCHITECTS

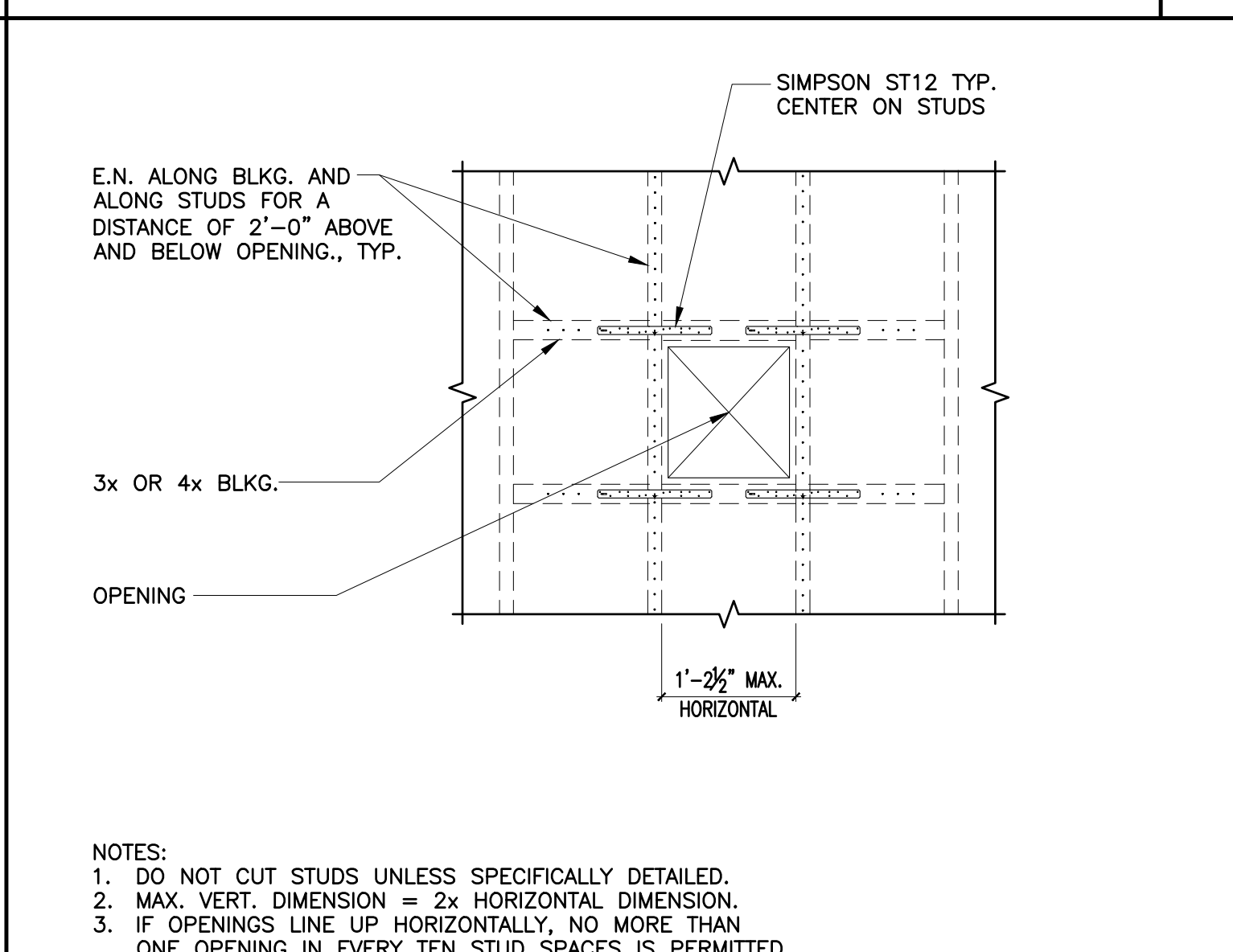
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W201-0 SCALE: NO SCALE **PLYWOOD SHEATHING - WALLS** 1



W202-0 SCALE: NO SCALE **PLYWOOD SHEATHING - WALLS** 1



W204-0 SCALE: NO SCALE **OPEN IN PLYWOOD SHEAR WALL** 3

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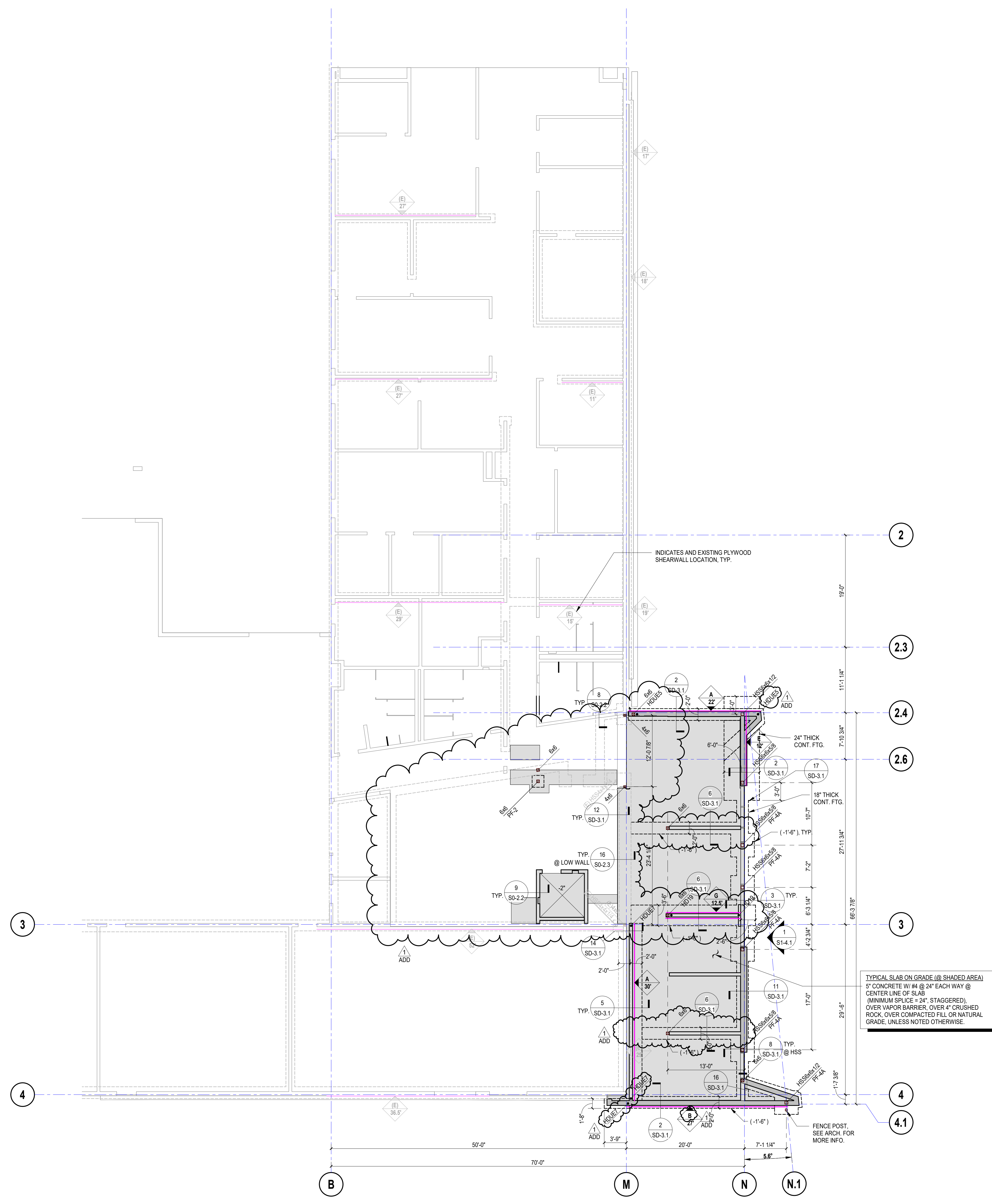
**RUHNAU
CLARKE**
ARCHITECTS

FOUNDATION PLAN NOTES

- SEE SHEETS S0-1.1 THROUGH S0-2.5 FOR GENERAL NOTES AND TYPICAL DETAILS.
- SEE SPECIFICATIONS FOR ALL SITE AND SUBGRADE PREPARATIONS.
- SEE ARCHITECTURAL AND/OR CIVIL DRAWINGS FOR FINISH FLOOR ELEVATIONS.
- SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR ALL EXTERIOR CONCRETE PAVING, SLABS, BASES, CURBS, SITE WALLS, ETC.
- FOR ANY DIMENSIONAL INFORMATION NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
- SEE PLANS AND ARCHITECTURAL DRAWINGS FOR DEPRESSIONS AND/OR SLOPES IN CONCRETE SLABS.
- ALL DIMENSIONS SHOWN ARE FROM FACE OF STUD, CENTER LINE OF COLUMN, OR CENTER LINE OF WALL, UNLESS NOTED OTHERWISE. ALL COLUMNS ARE CENTERED IN STUD WALL, UNLESS NOTED OTHERWISE.
- SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS IN BEARING AND NON-BEARING WALLS.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF INTERIOR NON-BEARING PARTITIONS. INTERIOR NON-BEARING PARTITION WALLS THAT DO NOT REQUIRE CONCRETE CURBS ARE NOT SHOWN ON STRUCTURAL DRAWINGS.
- SEE ARCHITECTURAL, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL EMBEDDED ITEMS AND SLAB PENETRATIONS.
- ALL WALLS SHOWN WITH PLYWOOD SHEAR PANELS SHALL BE CONTINUOUSLY SHEATHED FOR THE FULL LENGTH OF THE WALL WITH THE SAME SHEATHING AS INDICATED. ALL EXTERIOR WALLS SHALL HAVE TYPE A PLYWOOD SHEATHING APPLIED TO THE OUTSIDE FACE PER DETAIL 1/S0-2.4. UNLESS NOTED OTHERWISE.
- FOR TYPICAL PIPE CHASE IN CONCRETE STEM WALL, SEE DETAIL 9/S0-3.1.
- FOR TYPICAL SLAB JOINTS, SEE DETAIL 11/S0-2.1.

LEGEND

- : INDICATES STEEL COLUMN SIZE. SEE DETAIL 3/S0-2.5 FOR STEEL COLUMN BASE PLATE, U.N.O.
- : INDICATES CONCRETE FOOTING. SEE DETAIL 18/S0-2.1 FOR ADDITIONAL INFORMATION.
- : INDICATES DEPTH OF TOP OF FOOTING BELOW FINISH FLOOR.
- : INDICATES PLYWOOD SHEAR WALL TYPE PER 1/S0-2.4.
- : INDICATES LENGTH OF WALL USED FOR DESIGN. ACTUAL LENGTH OF WALL MAY EXCEED, BUT SHALL NOT BE LESS THAN THE LENGTH SHOWN.
- : INDICATES SIMPSON HOLDDOWN ANCHOR. SEE DETAIL 6/S0-2.4 FOR ADDITIONAL INFORMATION.
- : INDICATES CONCRETE CURB. SEE PLANS AND DETAIL 15/S0-2.1 FOR ADDITIONAL INFORMATION.
- : INDICATES STEP IN CONTINUOUS FOOTING. SEE DETAILS 5 OR 6/S0-2.1 FOR ADDITIONAL INFORMATION. STEP CONTINUOUS FOOTING TO MATCH BOTTOM OF LOWEST ADJACENT FOOTING ELEVATION.



FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

PROJECT No. :1-76-50
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MODERNIZATION & EXPANSION**
INDIAN SPRINGS HIGH SCHOOL
650 N DEL ROSA DR, SAN BERNARDINO, CA 92410
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

FOUNDATION PLAN

S1-1.1

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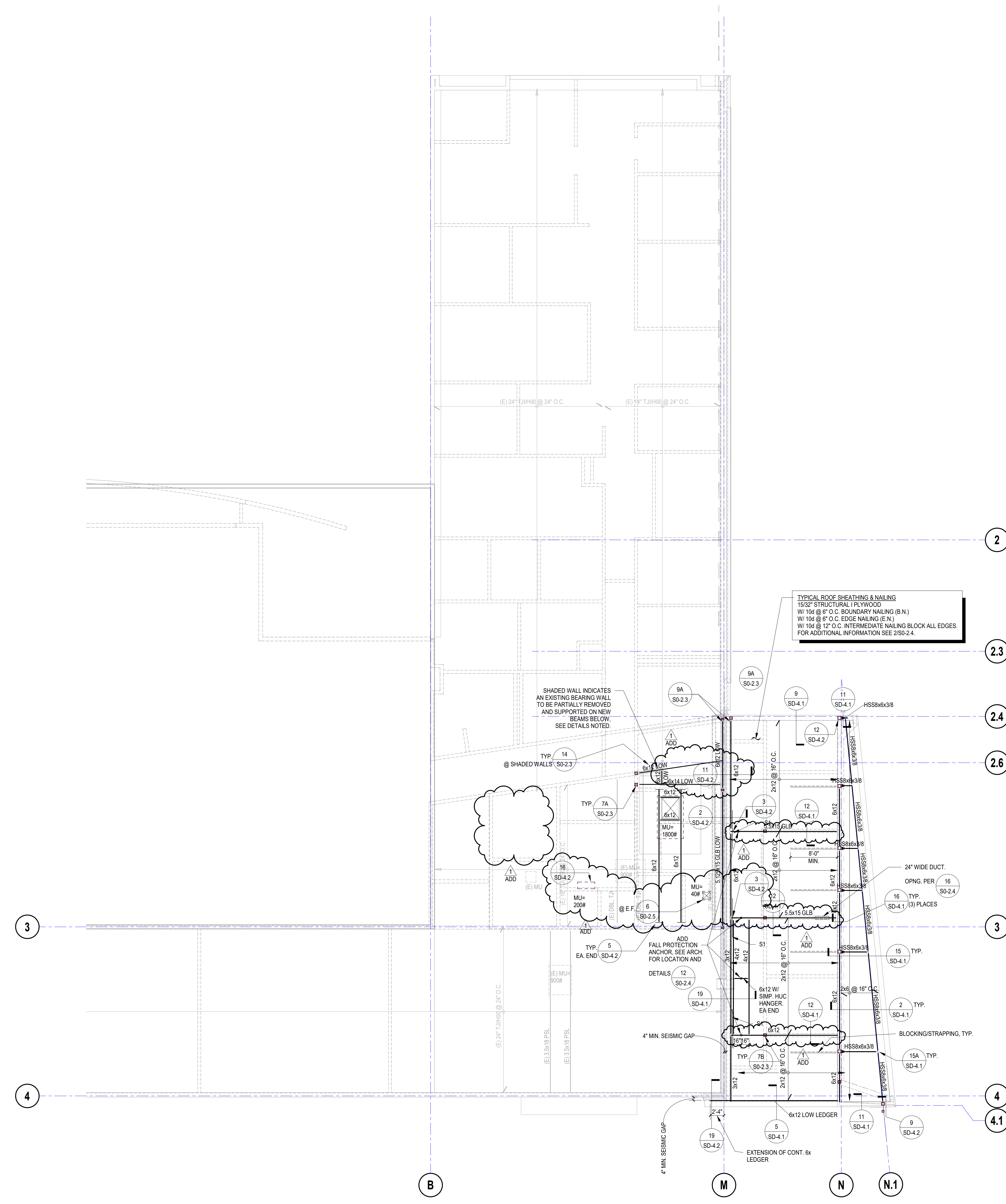
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ROOF FRAMING PLAN NOTES

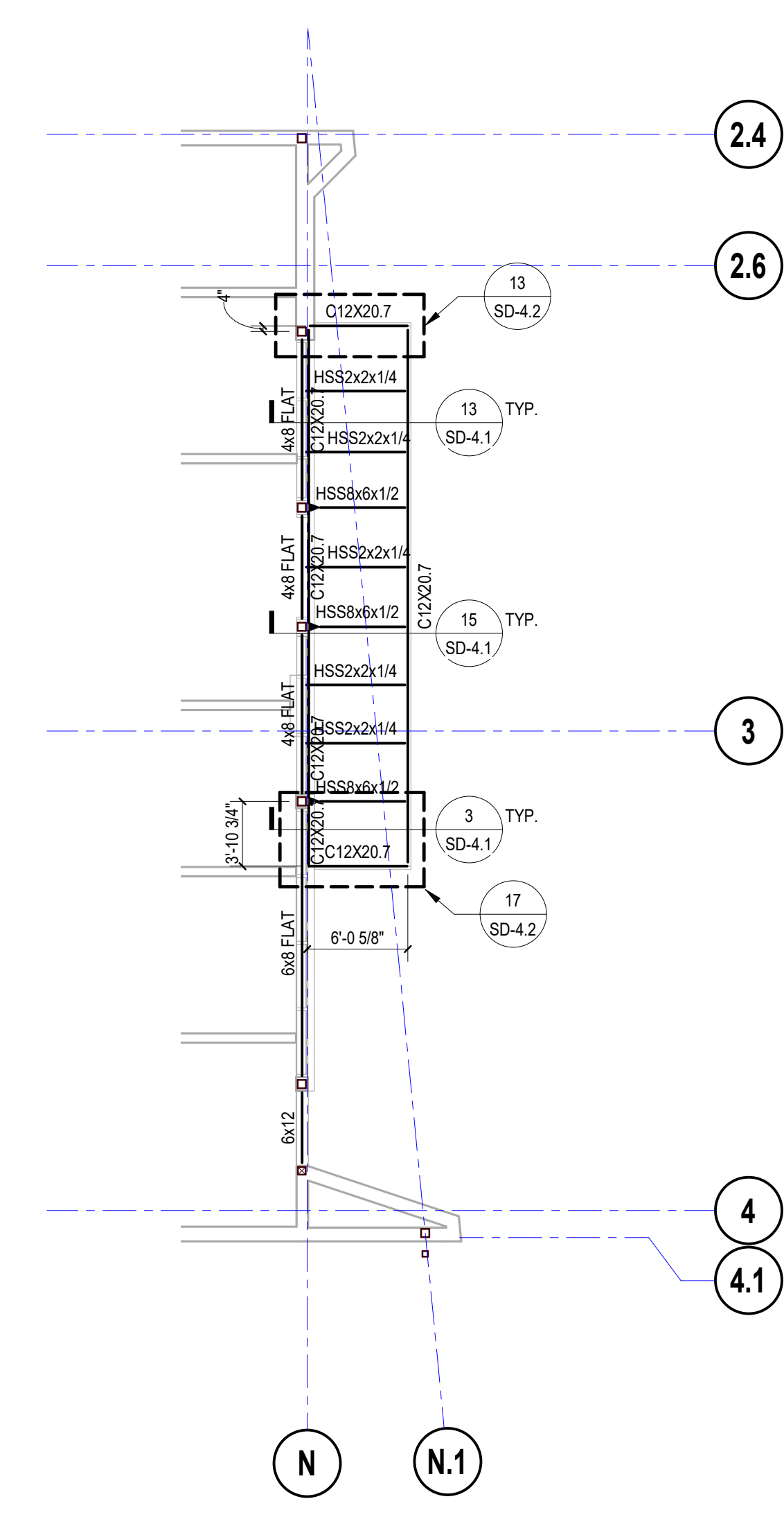
- SEE SHEETS S0-1.1 THROUGH S0-2.5 FOR GENERAL NOTES AND TYPICAL DETAILS.
- SEE ARCHITECTURAL DRAWINGS FOR ALL TOP OF SHEATHING AND TOP OF WALL/PARAPET ELEVATIONS.
- SEE ARCHITECTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF ROOF OPENINGS NOT SHOWN ON ROOF FRAMING PLANS. SEE DETAIL 10/S0-2.3 FOR TYPICAL OPENINGS, UNLESS NOTED OTHERWISE.
- SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS IN BEARING AND NON-BEARING WALLS.
- PROVIDE 2" BY FULL DEPTH SOLID BLOCKING AT 8'-0" MAXIMUM FOR ROOF JOISTS OR RAFTERS MORE THAN 6" IN DEPTH.
- ALL LINES AND/OR MEMBERS INDICATED AS "STRUT" SHALL RECEIVE (2) ROWS OF BOUNDARY NAILING (B.N.), STAGGERED.
- "ML" DENOTES MECHANICAL UNIT. MAXIMUM ALLOWABLE WEIGHT IS SHOWN. SEE MECHANICAL AND ARCHITECTURAL DRAWINGS FOR EXACT SIZE AND WEIGHT OF MECHANICAL UNITS. FOR TYPICAL FRAMING AT MECHANICAL UNITS, SEE DETAILS 8 OR 10/S0-2.5.
- SAWN LUMBER HANGERS SHALL BE SIMPSON B (LB @ 2X FRMG) HANGERS, UNLESS NOTED OTHERWISE.

LEGEND

- : INDICATES WOOD HEADER OVER OPENING BELOW. SEE DETAIL 1/S0-2.3 FOR SIZE & FRAMING UNLESS NOTED OTHERWISE ON PLAN.
- : INDICATES SPAN OF JOISTS.
- : INDICATES EXTENT OF JOISTS.
- c=1/2" : INDICATES AMOUNT OF CAMBER IN GLB. STANDARD CAMBER (RADIUS=3500 FT.) REQUIRED WHERE NONE SHOWN.
- C : INDICATES TOP PLATE SPLICE. SEE DETAIL 7/S0-2.4. PROVIDE TOP PLATE SPLICE PER DETAIL 7C/S0-2.4, UNLESS NOTED OTHERWISE.
- S1 : INDICATES A LEDGER SPLICE STRAP INSTALLED OVER TOP OF PLYWOOD TO LEDGER. PROVIDE SIMP. CMSTC1446-6" CENTERED ON SPLICE WHERE OCCURS, UNO.



ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"



CANOPY FRAMING PLAN
SCALE: 1/8" = 1'-0"

PROJECT No. :1-76-50
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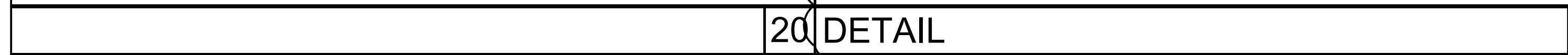
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ROOF FRAMING PLAN

S1-3.1

INDIAN SPRINGS HIGH SCHOOL HEALTH CENTER:



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CHECKED BY: SJ

DELTA # 3

DATE 09/05/25

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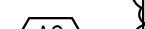
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A/C UNIT SCHEDULE

TAG	MANUFACTURER & MODEL NO.	AREA SERVED	COOLING PERFORMANCE				FILTER	HEATING PERFORMANCE				FAN SYSTEM				REFRIG. TYPE	ELECTRICAL		POWER EXHAUST/ ECONOMIZER ELECTRICAL		FACTORY ACCESSORIES / REMARKS	OPR. WEIGHT WITH ACCESSORIES (LBS.)	ANCHORAGE DETAIL REFERENCE	AREA SMOKE DETECTOR FOR SHUTDOWN			
			EAT DB/WB	LAT DB/WB	CAPACITY (MBH)	EFF.		EAT (°F)	LAT (°F)	CAPACITY (MBH)	EFF.	SUPPLY CFM	MIN./MAX. OSA	ESP (W.C.)	RPM		DRIVE	POWER	V-PH-HZ	AMPS					V-PH-HZ	AMPS	
(E) AC-3	TRANE 4YC2048	WAITING, MHBH, SOCIAL WORKER, CLERK, STORAGE	76.3 62.4	55 54	42 TOTAL CAP. 38.6 SENS. CAP.	16 SEER 12 EER	30%	63.7	105	120 INPUT 96.5 OUTPUT	80% AFUE	1200	115	0.4"	1589	DIRECT	3/4 HP	R-410A	480V-3ø-60Hz	20 MOCP	N/A	N/A	EXISTING ISOLATION CURB, OSA HOOD, COIL GUARD	900	EXISTING	YES	
	TRANE WHK090AHS00	PUBLIC LOBBY, CORRIDOR, NURSE STATION, UNISEX, EXAM ROOMS, MHBH, CLEANDIRTY LAB, CLOSETS	78.4 63.1	55.59 53.95	54.06 TOTAL CAP. 50.83 SENS. CAP.	15.8 SEER2 12.8 EER2	MERV-13	64.4	90.87	47.85 TOTAL	3.74 COP2 (47F) 2.46 COP2 (11F)	2000	210/285	1.0"	1003	VARIABLE DIRECT	0.661 BHP	R-454B	480V-3ø-60Hz	16 MCA 20 MOCP	480V-3ø-60Hz	1.875 MCA 3.375 MOCP	2 3 4 5 6 7 8 9 845 - UNIT 331 - PEECON 474 - 11" TALL CURB 1,650 - TOTAL	1 MD-1.2	YES		
EQUIPMENT NOTES:																											
① SEPARATE DISCONNECT/POWER			⑤ OSA DAMPER TO ACTUATE TO ALLOW MAX. OSA (NON-ECONOMIZER MODE) WHEN CO2 SENSOR READS 1,000 P.P.M. AND ABOVE, OTHERWISE, OSA DAMPER TO BE AT MIN. POSITION.				⑧ VENSTAR PROGRAMMABLE THERMOSTAT																				
② THRU-THE-BASE ELECTRICAL CONNECTION							⑨ VENSTAR CO2 SENSOR, SEE FLOOR PLANS FOR LOCATIONS																				
③ ECONOMIZER OUTSIDE AIR TEMPERATURE SENSOR TO BE LOCATED AWAY FROM DIRECT SUNLIGHT.			⑥ CANFAB 11" TALL ISOLATION CURB P/N: 6042-IC																								
④ HAIL GUARDS			⑦ CANFAB ECONOMIZER & POWER EXHAUST P/N: 6144-PEMPE																								

EXHAUST FAN SCHEDULE

TAG	MANUFACTURER & MODEL NO.	AREA SERVED	FAN SYSTEM				INLET / RADIATED SONES	ELECTRICAL		OPR. WT WITH ACCESSORIES (LBS.)	ANCHORAGE DETAIL REFERENCE	ACCESSORIES / REMARKS
			FLOW	ESP	RPM	POWER		V-PH-HZ	AMPS			
EF 3B	GREENHECK G-060-VG	UNISEX 108	70 CFM	0.296" W.G.	1472	0.01 BHP 1/15 HP	3.1 / -	120V-1Ø-60Hz	1.3 FLA	22 - UNIT 14 - 12" TALL CURB 36 - TOTAL	6 MD-1.1	1 2 3 4 5 6 7 8
EQUIPMENT NOTES: ① VARI-GREEN MOTOR WITH BALANCING DIAL ② JUNCTION BOX & SWITCH ③ GALV. BIRD SCREEN ④ DAMPER, WD-90-PB-8X8 ⑤ ROOF CURB, GPI-17-8-G12 ⑥ 1" LINER IN CURB ⑦ DAMPER TRAY ⑧ INTERCONNECT TO UNISEX RESTROOM LIGHT SWITCH, SEE ELECTRICAL PLANS												

INDOOR UNIT SCHEDULE

TAG	MANUFACTURER & MODEL NO.	AREA SERVED	DESIGN CONDITION		CFM	ECM MOTOR POWER	REFRIGERANT TYPE	OPR. WEIGHT (LBS.)	REMARKS (SEE EQUIPMENT NOTES BELOW)	ANCHORAGE DETAIL REFERENCE
			EAT DB/WB	LAT DB/WB						
IU 1	MITSUBISHI ELECTRIC PKA-AK24NL	DATA RM	86 67	55 54	775 HI 705 MED 635 LOW	69 WATTS	R-454B	46	1 2 3	2 MD-1.2
EQUIPMENT NOTES: ① POWER TO FAN COIL IS FEED FROM CONDENSING UNIT ② CONDENSATE PUMP, BLUE DIAMOND MAXIBLUE MODEL X87-711 ③ REMOTE HARD WIRED THERMOSTAT										

OUTDOOR UNIT SCHEDULE

TAG	MANUFACTURER & MODEL NO.	COOLING CAPACITY		ELECTRICAL			OPR. WEIGHT (LBS.)	REMARKS (SEE EQUIPMENT NOTES BELOW)	ANCHORAGE DETAIL REFERENCE
		BTU/HR	SEER/ EER	V-PH-HZ	MCA	MOCP			
OU 1	MITSUBISHI ELECTRIC PUZ-AH24NL	24,000	21.1 SEER2 12 EER2	208V-1Ø-60Hz	22	37	155	1 2	3 MD-1.2
EQUIPMENT NOTES: ① POWER FROM CONDENSING UNIT TO FEED FAN COIL ② DISABLE HEATING MODE									

AGENCY APPROVAL
150 Day: *****

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San Bernardino, CA 92408
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Email: codd@designwesteng.com

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MECHANICAL - ELECTRICAL - ENERGY CONSULTANTS

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INDIAN SPRINGS HIGH SCHOOL
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MECHANICAL
SCHEDULES CONT.

M0-1.1

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STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-ENV-4

Project Name: Indian Springs HS Wellness Center

Report Page: (Page 1 of 12)

Date Prepared: 8/29/2025

Project Address: 1472 East 6th Street

A. GENERAL INFORMATION					
01	Project Location (city)	San Bernardino	05	# of Stories (Habitable Above Grade)	1
02	Epidcode	92410	06	Total Conditioned Floor Area (ft ²)	2157
03	Climate Zone	10	07	Total Unconditioned Floor Area (ft ²)	0
04	Occupancy Types Within Project: [select all that apply]. If one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per 100.0(f).				
	08 ☐ Project includes unconditioned enclosed space(s) > 5,000 ft ² under a roof with a ceiling height of at least 15 ft.				
● Office ● Support Areas ● All Other Occupancies					

¹FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c) / 170.2(b). Compliance with 140.3(c) / 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

B. PROJECT SCOPE				
This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3 / 170.2 and 141.0(a) / 180.1 and 141.0(b) / 180.2 for additions and alterations.				
My project consists of (check all that apply)		Component Types		
01		02		
☐ New Construction or Newly Conditioned Space		☐ Walls ☐ ExteriorOpaqueDoors ¹		
☐ One or more enclosed spaces > 5,000 ft ² directly under roof with ceiling height > 15ft		☐ Floors ☐ Fenestration/Glazed Doors ¹		
☒ Addition of conditioned space		☒ Walls ☐ ExteriorOpaqueDoors		
☐ One or more enclosed spaces > 5,000 ft ² directly under roof with ceiling height > 15ft		☒ Floors ☒ Fenestration/Glazed Doors ¹		
☐ Addition is > 700 ft ²				
☒ Alteration of conditioned space		☒ Roof Assembly ☒ Walls		
☐ One or more enclosed spaces > 5,000 ft ² directly under roof with ceiling height > 15ft and lighting system installed for the first time		☐ Roofing Material ² ☐ Floors ☒ Fenestration		

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Schema Version: rev 20220101 Report Generated: 2025-08-29 10:59:35

STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-ENV-4

Project Name: Indian Springs HS Wellness Center

Report Page: (Page 4 of 12)

Date Prepared: 8/29/2025

F. ROOF ASSEMBLY SCHEDULE											
07 Tag/Plan Detail ID	08 How Design U-factor was determined	09 Roof Type & Frame Material	10 Frame Spacing Depth	11 Cavity Insulation per Design ²	12 Continuous Insulation per Design ²	13 Thermal Performance Unit	14 Required Thermal Performance ³	15 U-factor per Design	16 Net Area ⁴ ft ²		
(N) Roof	JA4 Tables	Wood		38	0	U-factor	0.034	per JA4 per Software/ Other	0.029	114	
(N) Roof	JA4 Tables	Wood		38	0	U-factor	0.034	per JA4 per Software/ Other	0.029	119	
(N) Roof	JA4 Tables	Wood		38	0	U-factor	0.034	per JA4 per Software/ Other	0.029	109	
(N) Roof	JA4 Tables	Wood		38	0	U-factor	0.034	per JA4 per Software/ Other	0.029	114	
(N) Roof	JA4 Tables	Wood		38	0	U-factor	0.034	per JA4 per Software/ Other	0.029	365.3	
(N) Roof	JA4 Tables	Wood		38	0	U-factor	0.034	per JA4 per Software/ Other	0.029	45	
(N) Roof	JA4 Tables	Wood		38	0	U-factor	0.034	per JA4 per Software/ Other	0.029	22	

¹FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal framing roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.D.C.
²For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.
³If "R value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.D.C.
⁴Roof area minus any fenestrated/skylight area

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STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-ENV-4

Project Name: Indian Springs HS Wellness Center

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Date Prepared: 8/29/2025

H. WALL ASSEMBLY SCHEDULE												
03 Tag/Plan Detail ID	04 Occupancy & Status	05 How Design U-factor was determined	06 Location/ Fire Rating	07 Frame Material, Spacing & Depth	08 Cavity Insulation per Design	09 Continuous Insulation per Design	10 Thermal Performance Unit	11 Required Thermal Performance	12 U-factor per Design	13 Net Area ⁴ ft ²		
(N) E Wall 10.25x14x15	Nonresidential/Relocatable 1 CZ: New	JA4 Tables	Exterior wall	Wood 1/2" gyp 16" OC 2x8	30	0	U-factor	0.059	per JA4 per Software/ Other	0.056	181.4	
(N) E Wall 10x14x15	Nonresidential/Relocatable 1 CZ: New	JA4 Tables	Exterior wall	Wood 1/2" gyp 16" OC 2x8	30	0	U-factor	0.059	per JA4 per Software/ Other	0.056	60.6	
(N) S Wall 9.58x20.25	Nonresidential/Relocatable 1 CZ: New	JA4 Tables	Exterior wall	Wood 1/2" gyp 16" OC 2x8	30	0	U-factor	0.059	per JA4 per Software/ Other	0.056	194	
(N) N Wall 6.58x17.5	Nonresidential/Relocatable 1 CZ: New	JA4 Tables	Exterior wall	Wood 1/2" gyp 16" OC 2x8	30	0	U-factor	0.059	per JA4 per Software/ Other	0.056	115.2	

¹FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal framed walls may not be combined with other wall types. Wood framed walls are combined with SIPs, span-deck, metal panel and straw bale wall types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.D.C.
²If "R value" is shown in cell 10 as the Thermal Performance Unit, the R-value shown here is for cavity insulation per 141.0(b)18.
³Wall area minus any fenestration area

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K. FENESTRATION AND GLAZED DOOR SCHEDULE										
Overhang Details for RSHGC per 140.3 / 170.2										
26	27	28	29	30	31	32				
SHGC of Window				RSHGC						
0.26				0.26						
0.26				0.26						
¹ FOOTNOTES: If any individual fenestration product is non-compliant, products may show compliance using an area-weighted calculation. Chromogenic glazing is not included in area-weighted calculations. Area-weighted calculation shown in separate area-weighted table below. ² The MSB Default Calculation can only be used for alterations or dwelling units in buildings with <= 4 habitable stories. Alterations are limited to 200ft ² of site-built glazing and dwelling units are limited to 2500ft ² or 5% of conditioned floor area. If the fenestration does not meet these conditions, the only option for determining fenestration values per NRCC Certification or the Default Tables in 210.6. ³ Overhangs must extend past the left and right window the same distance as the depth of the overhang or greater to show an effect on the RSHGC. If an overhang does not meet this requirement, the effect of the overhang will be ignored. ⁴ Projecting includes casement and awning windows.										
Area-Weighted Average U-factor, SHGC, VT Compliance Calculation for Vertical Fenestration and Glazed Doors										
01		02		03		04				
Product Performance Unit		Total Area of Fenestration (ft ²)		Area-weighted Calculation for Fenestration		Compliance Results Using Area-Weighted Calculation Option				
U-Factor		554.5		Required		Designated				
(R)SHGC		554.5		0.41		0.41				
VT		554.5		0.26		0.26				
				0.64		0.5				

L. DAYLIGHT IN LARGE ENCLOSED SPACES
This section does not apply to this project.

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B. PROJECT SCOPE
¹FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration. Roof recovery and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

C. COMPLIANCE RESULTS							
Results in this table are automatically calculated from data input and calculations in Tables F through L. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see the applicable table referenced below.							
Opaque Envelope Components				Fenestration	Daylighting Spaces > 5,000ft ²	Compliance Results	
Roof Assembly	Roofing Materials	Walls	Floors	Doors	06	07	08
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	
Yes	Yes	Yes			Yes		COMPLIES

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with unreadable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. ROOF ASSEMBLY SCHEDULE					
This table demonstrates compliance for prescriptive roof assembly requirements in 140.3(a)18/ 170.2(a)18 for new construction, 141.0(a) / 180.1 for additions, or 141.0(b)28(b) / 180.2 for alterations.					
01	02	03	04	05	06
Indicate roof types included in the project:	☒ Framed	☐ Framed-Multifamily	☐ SIPs	☐ Span Deck & Concrete	☐ Metal Panels
Framed Roof Assemblies					
01	02	03	04	05	06

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F. ROOF ASSEMBLY SCHEDULE					
Area-Weighted Average U-factor Compliance Calculation for Framed/ SIPs/ Span Deck & Concrete/ Metal Panel Roofs					
01	02	03	04	05	06
Roof Type	Total Area of Roof Type (ft ²)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option	
Framed	1125.3	Required	Designated		
		0.034	0.029		
Total for all Roof Types:	1125.3	0.034	0.029	COMPLIES	

G. RATED ROOFING MATERIAL (COOL ROOF)									
This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1A/ 170.2(a)1A for new construction, 141.0(a) / 180.1 for additions, or 141.0(b)28/ 180.2 for alterations. Roof recovery and replacements must also document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.									
01	02	03	04	05	06	07	08	09	10
Tag/Plan Detail ID	Name/ Description/ Location	Occupancy Type	Roof Material	Compliance Method	Required Minimum Material Performance	Designed Thermal Performance	U-factor / R-value of Assembly		
R-38 Roof No Attic	(N) Roof	Altered	Nonresidential	Low slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance: 0.63 Emittance: 0.75 SRI	Reflectance: 0.63 Emittance: 0.85 SRI	

H. WALL ASSEMBLY SCHEDULE									
This table demonstrates compliance with prescriptive wall assembly requirements in 140.3(a) / 170.2(a) for new construction, 141.0(a) / 180.1 for additions and 141.0(b)18/ 180.2 for alterations.									
01	Indicate wall types included in the project:								
	☒ Framed	☐ Mass (new only)	☐ Concrete Sandwich Panel (new only)	☐ SIPs	☐ CC (new only)	☐ Metal Panels	☐ Metal Building	☐ Span-deck/ Curtain Wall	☐ Straw Bale
	☐ Straw Bale	☐ Log Home (new only)							

¹FOOTNOTES: Wall types indicated above as "new only" do not have Title 24, Part 6 requirements for alterations. New construction and additions do have requirements and should be checked above and compliance demonstrated within this table.

Framed Walls	
01	☐ Calculate Area-Weighted Average U-factor for Metal Framed Walls ¹

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Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE

NRCC-ENV-4

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H. WALL ASSEMBLY SCHEDULE					
Area-Weighted Average U-factor Compliance Calculation for Wood Framed/ SIPs/ Span-deck/ Curtain/ Metal Panel/ Straw Bale Wall Types					
01	02	03	04	05	06
Wall Type	Total Area of Wall Type (ft ²)	Area-weighted U-factor for Wall Type		Compliance Results Using Area-Weighted Calculation Option	
Framed	1470.9	Required	Designated		
		0.059	0.056		
Total for all Wall Types:	1470.9	0.059	0.056	COMPLIES	

I. FLOOR ASSEMBLY SCHEDULE
This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE
This section does not apply to this project.

K. FENESTRATION AND GLAZED DOOR SCHEDULE									
This table demonstrates compliance with prescriptive fenestration requirements in 140.3(a)5/ 170.2(a)5 for new construction, 141.0(a) / 180.1 for additions, or 141.0(b)2A/ 180.2 for alterations. Exterior doors that are more than 25% glass in area are considered Glazed Doors and should be documented on this table with fenestration.									
01	Indicate fenestration types included in the project:								
	☒ Vertical (alterations)	☐ Vertical (new)	☐ Skylights	☐ Glazed Doors (new only)					

Vertical Fenestration and Glazed Doors- U-factor, Solar Heat Gain Coefficient (RSHGC/ SHGC), Visible Transmittance (VT)					
01	02	03	04	05	06

01	☒ Calculate Area-Weighted Average U-factor for Vertical Fenestration and Glazed Doors ¹
02	☒ Calculate Area-Weighted Average (RSHGC) for Vertical Fenestration and Glazed Doors ¹
03	☒ Calculate Area-Weighted Average VT for Vertical Fenestration and Glazed Doors ²

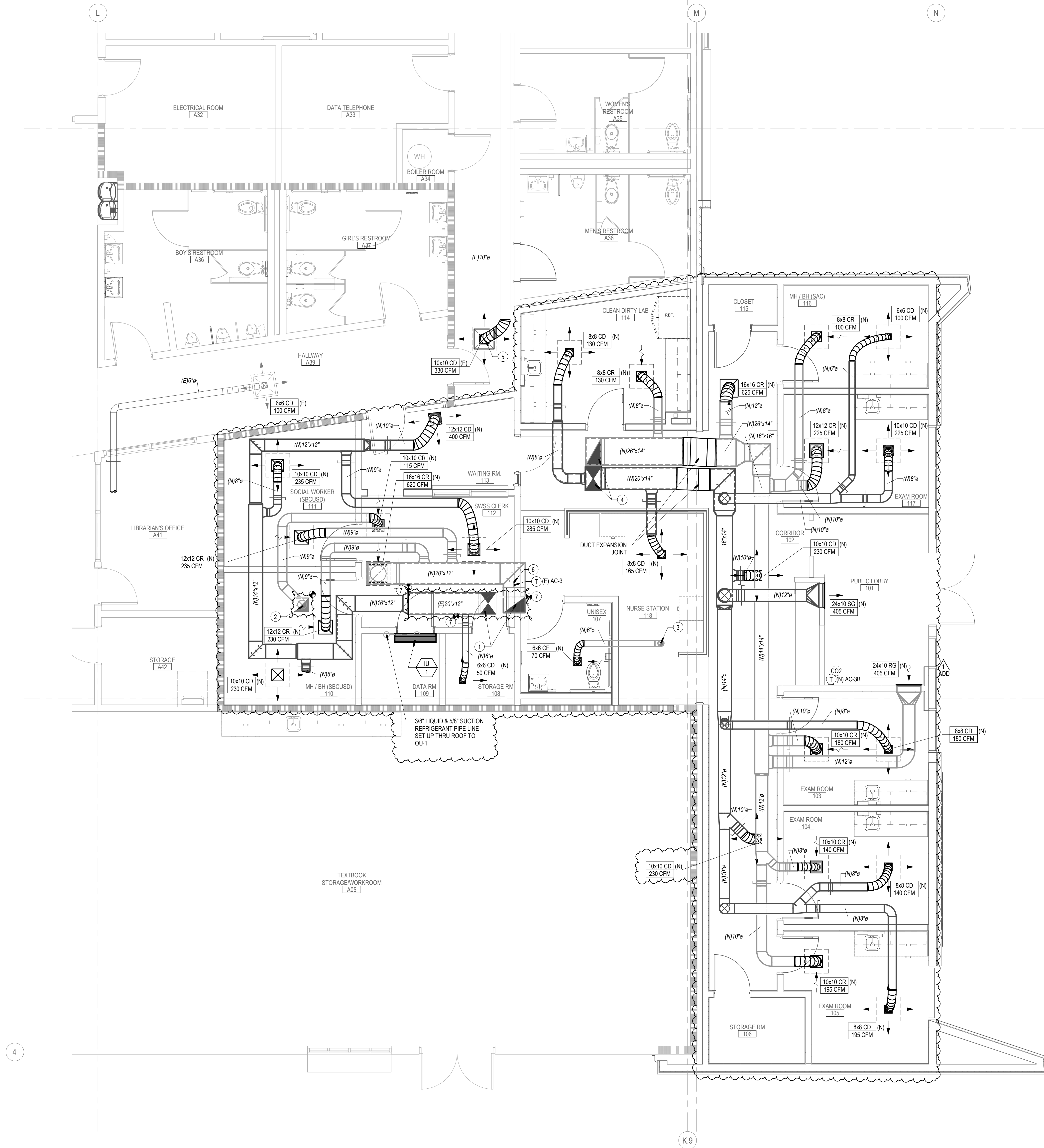
M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at [https://www.energy.ca.gov/20220013standards](https://www.energy.ca.gov/20220013standards/2019_compliance_documents/Nonresidential_Documents/NRCA)

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☐ ADD	☐ AFO	☐ CCD	☐ REV
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MECHANICAL REMODEL FLOOR PLAN

SCALE: 1/4" = 1'-0"

1

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INDIAN SPRINGS HIGH SCHOOL HEALTH CENTER
INDIAN SPRINGS HIGH SCHOOL
650 N DEL ROSA DR, SAN BERNARDINO, CA 92410
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

MECHANICAL REMODEL FLOOR PLAN

M1-1.1

24-094

AGENCY APPROVAL
FID No: #####-#####

STAMPS

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DESIGN WEST ENGINEERING
MECHANICAL - ELECTRICAL - ENERGY CONSULTANTS

CONSULTANT BRANDING

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GENERAL NOTES

- FOR LINE TYPES, SYMBOLS & ABBREVIATIONS SEE LEGEND ON SHEET MD-1.0.
- SPIN-IN OR TAP TYPE DUCT CONNECTIONS SHALL BE PROVIDED WITH AN EXTRACTOR.
- T-STATS SHALL NOT BE MOUNTED IN DIRECT LINE OF ANY SUPPLY DIFFUSER OR NEAR ANY HEAT REJECTION EQUIPMENT.
- DUCT DIMENSIONS ARE NET INSIDE CLEAR.
- NEW DUCTWORK SHALL BE HARD DUCT. FLEX DUCT MAY BE USED ONLY AT SUPPLY & RETURN OUTLETS AT A MAX. LENGTH OF 5'-0".
- NEW DUCTWORK SHALL BE MOUNTED HIGH AND TIGHT TO ROOF STRUCTURE AS POSSIBLE.
- PROVIDE 1" ACoustICAL LINING IN NEW DUCTWORK WITHIN 10 FEET OF ALL AIR MOVING EQUIPMENT.
- THERMOSTATS SHALL BE PROGRAMMED TO RUN IN FAN MODE DURING OCCUPIED HOURS AND SHALL COORDINATE HOURS WITH OWNER. COOLING/HEATING MODE SHALL RUN AS NEEDED, PER TEMPERATURE SET POINT AND OCCUPANT LOAD.
- CONTRACTOR SHALL COORDINATE DUCT RUNS WITH FIRE SPRINKLER CONTRACTOR.
- RESTROOM & STORAGE DOOR SHALL HAVE A 1" UNDERCUT.
- FOR AIR DEVICE MOUNTING, SEE DETAILS
- FOR DUCT SUPPORT, SEE DETAILS
- FOR THERMOSTAT MOUNTING, SEE DETAIL
- FOR DUCT EXPANSION JOINT AT SEISMIC SEPARATION, SEE DETAIL
- FOR REFRIGERANT PIPE SUPPORT, SEE DETAILS
- FOR REFRIGERANT PIPE THRU ROOF, SEE DETAIL

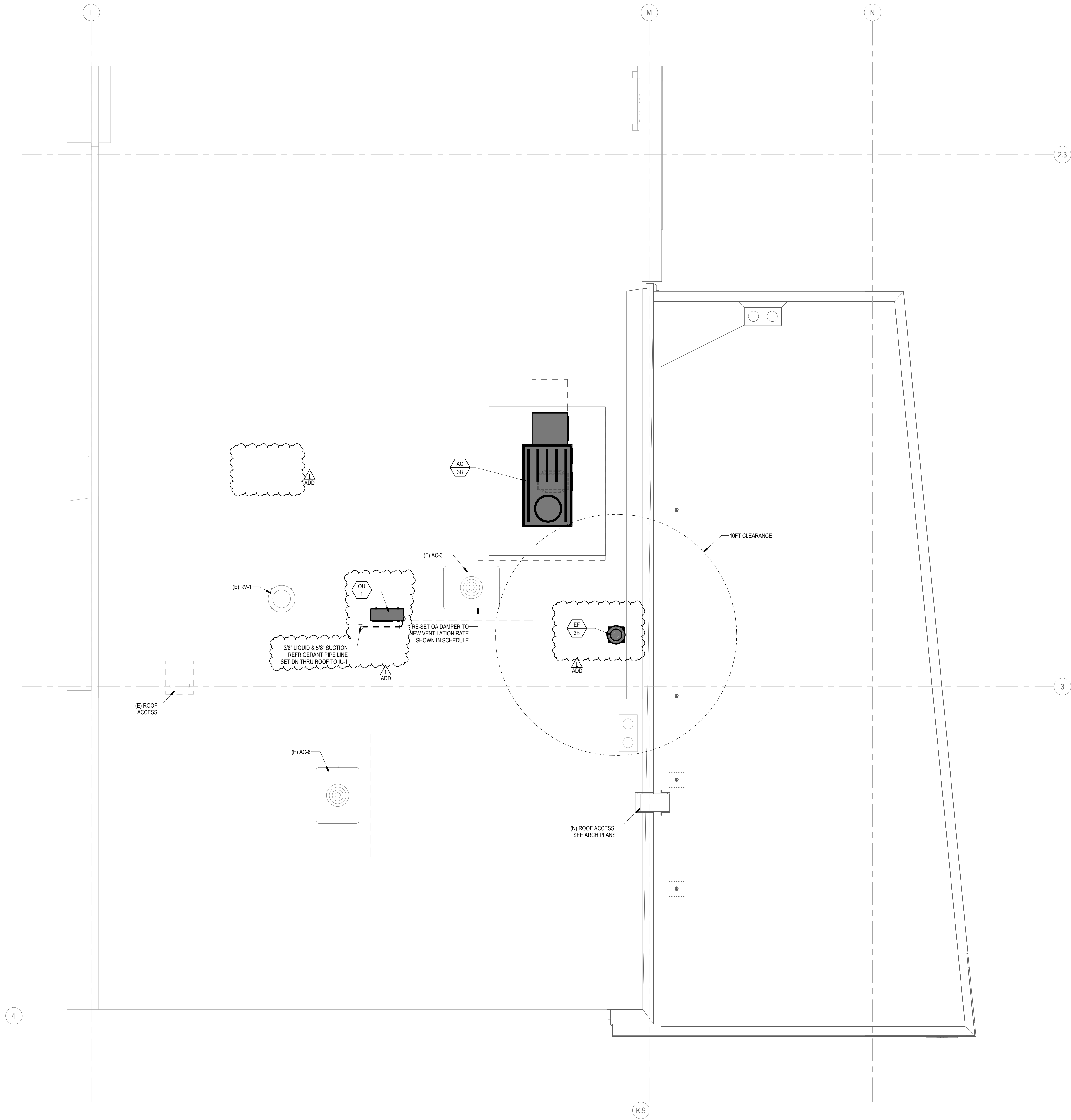
CONSTRUCTION NOTES

- EXISTING 20x12 SUPPLY & RETURN DUCTS UP THRU ROOF TO EXISTING AC UNIT ON ROOF.
- CONNECT NEW 9\"/>

RATED ASSEMBLY LEGEND

1-HR FIRE RATED WALL ASSEMBLY

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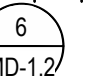


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ARCHITECTS

GENERAL NOTES

- FOR LINE TYPES, SYMBOLS & ABBREVIATIONS SEE LEGEND ON SHEET MD-1.0
- ENVIRONMENTAL EXHAUST AIR SHALL TERMINATE NOT LESS THAN 3 FEET FROM A PROPERTY LINE, 10 FEET FROM A FORCED AIR INLET, 10 FEET ABOVE A PUBLIC WALKWAY, AND 3 FEET FROM OPENINGS INTO THE BUILDING. THE DISCHARGE OF ENVIRONMENTAL EXHAUST AIR DUCTS SHALL NOT BE DIRECTED ONTO A PUBLIC WALKWAY. PER CMC SEC. 502.2.1
- PROVIDE DURO-DYNE FLEXIBLE CONNECTION AT DUCT TO EQUIPMENT LOCATIONS.
- CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR BUILDING TO BE PURGED UPON COMPLETION AND PRIOR TO OCCUPANCY. FILTERS SHALL BE REPLACED BEFORE PURGE AND UPON COMPLETION OF PURGE CYCLE.
- FOR REFRIGERANT PIPE THRU ROOF, SEE DETAIL 
- FOR REFRIGERANT PIPE SUPPORT ON ROOF, SEE DETAIL 

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MECHANICAL REMODEL ROOF PLAN

SCALE: 1/4" = 1'-0"

1

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MECHANICAL REMODEL
ROOF PLAN

M1-2.1

