



ADDENDUM

01 | 250114

School District of Lancaster

McCaskey High School Stadium Projects
Lancaster, PA

Date of Addendum: 14 January, 2025

Marotta/Main Architects Project No.
24-SDL-03

The original Project Manuals and Drawings dated 06 January, 2025 for the project noted above, are amended as noted in this Addendum No. 01.

Receipt of this Addendum shall be acknowledged by inserting its number and date in the space provided on the Bid Form.

This Addendum consists of 3 Pages and all attachments listed.

CLARIFICATIONS

- 01.01 Addendum 01 makes some changes to the Contract scope / responsibilities. Please review Contract Summary and Multiple Contract Summary for items changed in bold print. Along with the changes, Unit Prices and Unit Cost Allowances were added for the GC and EC Contracts.
- 01.02 References in Division 00 and 01 specifications to 'Supplementary Conditions' can be disregarded. No specifications section titled Supplementary Conditions is or will be included.

SPECIFICATIONS

VOLUME 1 – LEGAL SPECIFICATIONS

- 01.03 Refer to Specification Section 00 01 15 List of Drawing Sheets. DELETE Food Service Drawings. There is no food service scope.
- 01.04 Refer to Specification Section 00 31 13 Preliminary Schedule, ADD the following line items to the Schedule:
- a. 05 May, 2025 Stadium Solutions begins work
 - b. 02 June, 2025 LandTEK begins track and turf field work
- 01.05 Refer to Specification Section 00 43 22 Unit Prices Form, REPLACE form with attached, revised form.
- 01.06 Refer to Specification Section 00 41 14 Bid Form Stipulated Sum, REVISE 1.4,A to read:
- A. The undersigned Bidder agrees hereby to commence the Work of the Contract Documents on 1 April, 2025 as specified in a written Notice to Proceed to be issued by Architect, to achieve Substantial Completion of Sitework by 15 July, 2025, Substantial Completion of Public Restrooms & Concessions by 18 August, 2025, Substantial Completion of Team Building by 29 September, 2025, and to fully complete the Work not later than 20 October, 2025.
- 01.07 Refer to A201 General Conditions, REVISE section 11.1.1.1, 10.b to read as follows:
- 'b Automobile Liability. Automobile liability insurance with primary limits of liability not less than One Million Dollars (\$1,000,000) combined single limits.

- 01.08 Refer to Specification Section 01 10 00 Contract Summary, REPLACE section in its entirety.
- 01.09 Refer to Specification Section 01 12 00 Multiple Contract Summary, REPLACE section in its entirety.
- 01.10 Refer to Specification Section 01 21 00 Unit Cost Allowances, REPLACE section in its entirety.
- 01.11 Refer to Specification Section 01 22 00 Unit Prices, REPLACE section in its entirety.

VOLUME 2 – TECHNICAL SPECIFICATIONS

No items.

VOLUME 3 – MEP & SITE/CIVIL SPECIFICATIONS

No items.

DRAWINGS

ARCHITECTURAL DRAWINGS

- 01.12 Refer to Drawing CS1 – Cover Sheet. DELETE Food Service Drawings. There is no food service scope.
- 01.13 Refer to Drawing A1.11 CONCESSION STAND FLOOR PLANS, REPLACE with attached sheet with clouded revisions.
- 1/A11.1 FIRST FLOOR PLAN – DEMILITION: Added demolition notes
 - 2/A11.1 & 5/A11.1 FIRST FLOOR PLAN: Revised layout in PREP 103. Added wall hung fire extinguisher.
 - 3/A11.1 FIRST FLOOR REFLECTED CEILING PLAN: Remove hood system there will not be a hood system in this project.

STRUCTURAL DRAWINGS

No items.

PLUMBING DRAWINGS

- 01.14 Refer to Drawing P1.1, FIRST FLOOR PLANS PLUMBING DEMOLITION
- a. Replace drawing with attached drawing.
- 01.15 Refer to Drawing P2.1, FIRST FLOOR PLAN PLUMBING
- a. Replace drawing with attached drawing.
- 01.16 Refer to Drawing P2.2, SECOND FLOOR PLAN PLUMBING
- a. Replace drawing with attached drawing.
- 01.17 Refer to Drawing P2.3, HIGH SCHOOL FIRST FLOOR PLUMBING PLANS
- a. Replace drawing with attached drawing.
- 01.18 Refer to Drawing P3.1, ENLARGED PLUMBING PLANS
- a. Replace drawing with attached drawing.
- 01.19 Refer to Drawing P3.2, ENLARGED PLUMBING PLANS
- a. Replace drawing with attached drawing.
- 01.20 Refer to Drawing P3.3, ENLARGED PLUMBING PLANS
- a. Replace drawing with attached drawing.
- 01.21 Refer to Drawing P5.1, CONCESSION STAND PLANS PLUMBING
- a. Replace drawing with attached drawing.

MECHANICAL DRAWINGS

No items.

ELECTRICAL DRAWINGS

No items.

END OF ADDENDUM 01

Respectfully Submitted,

Connie King, AIA, ALEP, GGP
Marotta/Main Architects, Inc.

Attachments:

00 43 22 Unit Prices Form, ADD 01
01 10 00 Contract Summary, ADD 01
01 12 00 Multiple Contract Summary, ADD 01
01 21 00 Unit Cost Allowances, ADD 01
01 22 00 Unit Prices, ADD 01
A1.11 CONCESSION STAND FLOOR PLANS
P1.1 FIRST FLOOR PLANS PLUMBING DEMOLITION
P2.1 FIRST FLOOR PLAN PLUMBING
P2.2 SECOND FLOOR PLAN PLUMBING
P2.3 HIGH SCHOOL FIRST FLOOR PLUMBING PLANS
P3.1 ENLARGED PLUMBING PLANS
P3.2 ENLARGED PLUMBING PLANS
P3.3 ENLARGED PLUMBING PLANS
P5.1 CONCESSION STAND PLANS PLUMBING

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DOCUMENT 00 43 22 - UNIT PRICES FORM, ADDENDUM 01

1.3 BID INFORMATION

- A. Bidder: _____.
- B. Prime Contract: _____.
- C. Project Name: McCaskey High School Stadium Projects
- D. Project Location: 445 N. Reservoir Street, Lancaster PA 17602
- E. Owner: School District of Lancaster, 251 S. Prince St., 3rd Floor, Lancaster, PA 17603
1. District Representatives: Drew Schenk, Director of Operations; Matthew Shields, Director of Facilities & Building Operations
- F. Project Number: 24-SDL-03

1.4 BID FORM SUPPLEMENT

- A. This form is required to be attached to the Bid Form.
- B. The undersigned Bidder proposes the amounts below be added to or deducted from the Contract Sum on performance and measurement of the individual items of Work.
- C. If the unit price does not affect the Work of this Contract, the Bidder shall indicate "NOT APPLICABLE."

1.5 UNIT PRICES

- A. Unit Price No. 3A – Concrete Spall Repair
1. _____ Dollars (\$ _____) per SF
- B. Unit Price No. 3B – Concrete Crack Repair
1. _____ Dollars (\$ _____) per SF
- C. Unit Price No. 4A – Brick Masonry Repointing
1. _____ Dollars (\$ _____) per SF
- D. Unit Price No. 4B – Underpinning
1. _____ Dollars (\$ _____) per LF
- E. Unit Price No. 22A – Domestic Water Pipe as Noted.

¾"	\$	LF	\$	per fitting	\$	per valve
1"	\$	LF	\$	per fitting	\$	per valve
2"	\$	LF	\$	per fitting	\$	per valve
3"	\$	LF	\$	per fitting	\$	per valve

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F. Unit Price No. 22B – Aboveground Soil, Waste, Vent Piping as Noted.

1 ½"	\$	LF	\$	per fitting
2"	\$	LF	\$	per fitting

G. Unit Price No. 22C – Underground Soil, Waste, Vent Piping as Noted.

2"	\$	LF	\$	per fitting
4"	\$	LF	\$	per fitting
6"	\$	LF	\$	per fitting

H. Unit Price No. 22D – Underground Storm Drainage Piping as Noted.

3"	\$	LF	\$	per fitting
4"	\$	LF	\$	per fitting
6"	\$	LF	\$	per fitting

I. Unit Price No. 23A – Hydronic Pipe.

¾"	\$	LF	\$	per fitting	\$	per valve
1"	\$	LF	\$	per fitting	\$	per valve
1 ¼"	\$	LF	\$	per fitting	\$	per valve
1 ½"	\$	LF	\$	per fitting	\$	per valve
2"	\$	LF	\$	per fitting	\$	per valve

J. Unit Price No. 26A –20 amp Duplex Receptacles

1. _____ Dollars (\$_____) per UNIT

K. Unit Price No. 26B – 20 amp Rated Wire and Conduit

1. _____ Dollars (\$_____) per LF

L. Unit Price No. 26C – Exit Sign

1. _____ Dollars (\$_____) per ASSEMBLY

M. Unit Price No. 28A – Smoke Detector

1. _____ Dollars (\$_____) per UNIT

N. Unit Price No. 31A – Trench Rock Excavation

1. _____ Dollars (\$_____) per CY

N. Unit Price No. 31B – Bulk Rock Excavation

1. _____ Dollars (\$_____) per CY

O. Unit Price No. 31C – Unsuitable Soils

1. _____ Dollars (\$_____) per CY

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SUBMISSION OF BID SUPPLEMENT

Respectfully submitted this ____ day of _____, 20 ____.

Submitted By: _____
(Insert name of bidding firm or corporation)

Authorized Signature: _____
(Handwritten signature)

Signed By: _____
(Type or print name)

Title: _____
(Owner/Partner/President/Vice President)

END OF DOCUMENT 00 43 22

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SECTION 01 10 00 – CONTRACT SUMMARY, ADDENDUM 01

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Work covered by the Contract Documents.
 - 2. Type of the Contract.
 - 3. Work phases.
 - 4. Use of premises.
 - 5. Owner's occupancy requirements.
 - 6. Work restrictions.
 - 7. Specification formats and conventions.
- B. Related Sections include the following:
 - 1. Division 01 Section "Summary of Multiple Contracts" for Division of the responsibilities for the work.
 - 2. Division 01 Section "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.

1.3 PROJECT INFORMATION

- A. Project Identification:
 - 1. McCaskey High School Stadium Projects
 - a. Project Location: 445 N. Reservoir Street
Lancaster, PA 17602
- B. Owner: School District of Lancaster
251 South Prince Street
Lancaster, PA 17603
- C. Architect: MAROTTA/MAIN ARCHITECTS
214 North Duke Street
Lancaster, PA 17602
- D. Owner's Rep: FIDEVIA
750 Lititz Pike
Lititz, PA 17543
- E. Project ShareFile: A Project ShareFile Site administered by the Architect will be used for purposes of managing communication and documents during the construction stage.

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1.4 CONTRACT DESCRIPTION

Project consists of all materials, labor, supervision, temporary facilities and controls and all other work for the renovations to the existing bleachers and buildings under bleachers, **partial sitework and utilities**, and renovations to concessions stand, within the School District of Lancaster, Lancaster, PA together as indicated on the Drawings and specified herein.

1.5 WORK BY OWNER

- A. General: Cooperate fully with Owner so work may be carried out smoothly, without interfering with or delaying work under this Contract or work by Owner. Coordinate the Work of this Contract with work performed by Owner.
- B. Concurrent Work:
 - 1. **Partial sitework, Stormwater**, and Athletic scope (track & field) will be contracted directly by the School District through purchasing program.
 - 2. Commissioning Agent/Authority will be contracted directly by the School District.
 - 3. Testing Agency will be contracted directly by the School District.
 - 4. Audio visual equipment and installation will be contracted by the School District.
 - 5. Stadium lighting scope will be contracted directly by the School District.
 - 6. **Bleacher seating install, bleacher railings, decks, ramps and stairs, Press Box will be contracted directly by the School District.**
- C. Subsequent Work: Owner will perform the following additional work at site after Substantial Completion. Completion of that work will depend on successful completion of preparatory work under this Contract.
 - 1. Installation of furnishings, fixtures and equipment.
- D. Items noted N.I.C. (Not in Contract) shall be supplied and installed by Owner or others prior to, during, or after completion of the Work.
- E. Owner will provide products indicated for installation by the Contractor:
 - 1. Wall Mount Display monitors: Provided and installed by Owner. Rough-in and wiring shall be provided by Electrical Contractor.

1.6 TYPE OF CONTRACT

- A. Project will be let as multiple prime contracts as follows:
 - a. General Construction Contract
 - b. Mechanical Construction Contract
 - c. Plumbing Construction Contract
 - d. Electrical, Data and Security Construction Contract

1.7 WORK PHASES / PROJECT MILESTONES

- A. The Work shall be conducted continually in two phases with two occupancy certificates.
 - 1. Refer to specification section 00 31 13 – Milestone Schedule – for milestone requirements and associated liquidated damages.

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1.8 PHASING / OWNER OCCUPANCY REQUIREMENTS

A. Site Safety and Security:

1. The area of construction and staging is to be fenced or partitioned off with temporary walls/fencing by the Site/Athletics Contractor

B. Partial Owner Occupancy: Owner will occupy the adjacent school premises during entire construction period. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's operations. Maintain existing exits, unless otherwise indicated.

1. Maintain access to existing walkways and other adjacent occupied or used facilities. Do not close or obstruct walkways or other occupied or used facilities without written permission from Owner and authorities having jurisdiction.
2. Provide not less than 72 hours' notice to Owner of activities that will affect Owner's operations.

1.9 ACCESS TO SITE

A. General: During the construction period, Contractor jointly shall have use of Project site for construction operations as indicated on Drawings by the Contract limits and as indicated by requirements of this Section.

B. Use of Site: Limit use of Project site to work in areas indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.

1. Limits: Confine construction operations limits of contract.
2. Driveways, Walkways and Entrances: Keep driveways, loading areas, and entrances serving all school buildings and all adjacent premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.
 - a. Schedule deliveries to minimize use of shared driveways and entrances by construction operations.
 - b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.

1.10 WORK RESTRICTIONS

A. Work Restrictions, General: Comply with restrictions on construction operations.

1. Comply with limitations on use of public streets and other requirements of authorities having jurisdiction.

B. On-Site Work Hours: Work shall be generally performed during normal business working hours and as indicated by Local Authorities on Building Permit, except otherwise indicated.

1. Weekend Hours: Work permitted as indicated on Building Permit and as coordinated with the Owner.
2. Early Morning / Late Night Hours: Refer to Building Permit and City Authorities.

C. Existing Utility Interruptions: Do not interrupt utilities serving adjacent facilities occupied by Owner or others unless permitted under the following conditions and then only after providing temporary utility services according to requirements indicated:

1. Notify Architect and Owner not less than two weeks in advance of proposed utility interruptions.
2. Obtain Owner's written permission before proceeding with utility interruptions.

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- D. Noise, Vibration, and Odors: Coordinate operations that may result in high levels of noise and vibration, odors, or other disruption to adjacent Owner occupancies with Owner.
 - 1. Notify Architect and Owner not less than two weeks in advance of proposed disruptive operations.
 - 2. Obtain Owner's written permission before proceeding with disruptive operations.
- E. Nonsmoking Site: Smoking is not permitted within the perimeter of the District property.
- F. Employee Identification: Provide identification tags for Contractor personnel working on the Project site. Require personnel to utilize identification tags at all times.
- G. Employee Screening: Comply with Owner's requirements regarding child abuse, drug and background screening of Contractor personnel working on the Project site.
 - 1. Maintain list of approved screened personnel with Owner's Representative.
- H. Employee Conduct:
 - 1. Controlled Substances: Use of tobacco products, vape/e-cigarettes, alcohol, drugs, firearms and other controlled substances on the District property is not permitted.
 - 2. Obey posted speed limits.
 - 3. No profanity or fighting.
 - 4. Shirts shall be worn at all times.
 - 5. Hard hats, safety glasses and ear protection as required by OSHA shall be utilized.
 - 6. Trash shall be cleaned up daily.

1.11 SPECIFICATION FORMATS AND CONVENTIONS

- A. Specification Format: The Specifications are organized into Divisions and Sections using the 33-division format and CSI/CSC's "MasterFormat" numbering system.
 - 1. Section Identification: The Specifications use Section numbers and titles to help cross-referencing in the Contract Documents. Sections in the Project Manual are in numeric sequence; however, the sequence is incomplete because all available Section numbers are not used. Consult the table of contents at the beginning of the Project Manual to determine numbers and names of Sections in the Contract Documents.
 - 2. Division 01: Sections in Division 01 govern the execution of the Work of all Sections in the Specifications.
- B. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
 - 1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
 - 2. Specification requirements are to be performed by Contractor unless specifically stated otherwise.
- C. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.
- D. Drawing Coordination: Requirements for materials and products identified on the Drawings are described in detail in the Specifications. One or more of the following are used on the Drawings to identify materials and products:
 - 1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
 - 2. Abbreviations: Materials and products are identified by abbreviations published as part of the U.S. National CAD Standard and scheduled on Drawings.

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3. Keynoting: Materials and products are identified by reference keynotes referencing Specification Section numbers found in this Project Manual.

1.12 MISCELLANEOUS PROVISIONS

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 10 00

SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY, ADDENDUM 01

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes a summary of each contract, including responsibilities for coordination and temporary facilities and controls.
- B. Specific requirements for Work of each contract are also indicated in individual Specification Sections and on Drawings.
- C. Related Requirements:
 - 1. Section 01 10 00 "Contract Summary" for the Work covered by the Contract Documents, restrictions on use of Project site, phased construction, coordination with occupants, and work restrictions.
 - 2. Section 01 31 00 "Project Management and Coordination" for general coordination requirements.
 - 3. Section 01 50 00 "Temporary Facilities and Controls" for Prime Contractor responsibilities.

1.3 DEFINITIONS

- A. Permanent Enclosure: As determined by Architect, the condition at which building envelope is insulated and weathertight; exterior walls are insulated and weathertight; and openings are closed with permanent construction or substantial temporary closures equivalent in weather protection to permanent construction.
 - 1. Substantial temporary closures shall at a minimum be 5/8" exterior plywood within wood frame, with minimum of 6" thick batt insulation.
 - 2. Window openings may be enclosed with minimum 10 mil reinforced poly fabric.

1.4 PROJECT COORDINATOR

- A. Project Coordinator shall be responsible for coordination between the General Construction Contract, Plumbing Contract, HVAC Contract, Electrical Contract and Owner provided services by Owner's forces and work by other entities on site.
 - 1. General Construction Contractor shall act as Project Coordinator.
- B. Mechanical/Electrical Coordinator, who shall be under the direction of Project Coordinator, shall be responsible for coordination between the Plumbing Contract, HVAC Contract, Electrical Contract and Owner provided services by Owner's forces and separate contracts indicated.
- C. Mechanical Contractor shall act as Mechanical/Plumbing/Electrical Coordinator.
 - 1. Scheduling: The General Contractor shall retain scheduling consultant to coordinate the scheduling activities of the multiple contracts, to prepare an overall project schedule, and to monitor and update Project schedule periodically.

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1.5 PROJECT COORDINATOR RESPONSIBILITIES

- A. Project coordinator shall perform Project coordination activities for the multiple contracts, including, but not limited to, the following:
1. Provide typical overall coordination of the Work.
 2. Coordinate shared access to workspaces.
 3. Coordinate product selections for compatibility.
 4. Provide overall coordination of temporary facilities and controls.
 5. Coordinate construction and operations of the Work with work performed by each Contract.
 6. Prepare coordination drawings in collaboration with each contractor to coordinate work by more than one contract, except those indicated to be the responsibility of the Mechanical/Electrical Coordinator.
 - a. Oversee and review preparation of Coordination Drawings to insure contract requirements are met and properly sequenced.
 - b. Implement the requirements of the Coordination Drawings.
 7. Coordinate sequencing and scheduling of the Work. Include the following:
 - a. Initial Coordination Meeting: No later than 30 days after NTP is issued, arrange and conduct a meeting with all contractors for sequencing and coordinating the Work; negotiate reasonable adjustments to schedules.
 - b. Prepare a combined contractors' construction schedule for entire Project. Base schedule on the Milestone Schedule provided in section 00 31 13. Secure time commitments for performing critical construction activities from contractors. Show activities of each contract on a separate sheet. Prepare a simplified summary sheet indicating combined construction activities of contracts.
 - 1) Submit schedules for approval.
 - c. Distribute copies of approved schedules to contractors.
 8. Provide quality-assurance and quality-control services specified in Section 01 40 00 "Quality Requirements."
 9. Coordinate sequence of activities to accommodate all tests and inspections, and coordinate schedule of tests and inspections, including those required by local, county, state and federal agencies.
 10. Provide progress cleaning of common areas and coordinate progress cleaning of areas or pieces of equipment where more than one contractor has worked, including but not limited to, mud and debris from vehicles and equipment leaving site. Progress cleaning shall be performed on a daily basis.
 11. Provide final professional cleaning of buildings.
 12. Coordinate cutting and patching.
 13. Coordinate protection of the Work.
 14. Coordinate the installation of fireproofing with the work of other trades.
 - a. Coordinate the work to require the minimum amount of fireproofing removal and patching.
 15. Coordinate the installation concealed blocking and supports for work of all primes.
 16. Coordinate the sequence of work to the benefit of the project schedule.
 17. Coordinate firestopping.
 18. Coordinate completion of interrelated punch list items.
 19. Coordinate preparation of Project Record Documents if information from more than one contractor is to be integrated with information from other contractors to form one combined record.
 20. Print and submit Record Documents if installations by more than one contractor are indicated on the same Contract Drawing or Shop Drawing.

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21. Collect record Specification Sections from contractors, collate Sections into numeric order, and submit complete set.
 22. Coordinate preparation of operation and maintenance manuals if information from more than one contractor is to be integrated with information from other contractors to form one combined record.
 23. Coordinate installation, shared use, and removal of temporary facilities.
- B. Responsibilities of Project coordinator for temporary facilities and controls include, but are not limited to, the following:
1. Provide common-use field office to include furniture, power, equipment and janitorial service for temporary trailers as described in Section 01 50 00 "Temporary Facilities and Controls" for use by all personnel engaged in construction activities.
- C. Mechanical/Electrical Coordinator: Full-time HVAC/Plumbing/Electrical Coordinator shall be experienced in coordination of type of operations required for this project. Coordination activities include, but are not limited to, the following:
1. Schedule and sequence all HVAC, plumbing and electrical activities.
 2. Coordinate sharing access to workspaces by HVAC, plumbing and electrical contractors.
 3. Coordinate integration of HVAC, plumbing and electrical work into limited spaces.
 4. Coordinate protection of HVAC, plumbing and electrical contractors' work.
 5. Coordinate cutting and patching for HVAC, plumbing and electrical work.
 6. Prepare HVAC, plumbing and electrical coordination drawings, in collaboration with all contractors as described in Section 01 33 00 "Project Management and Coordination" and as follows.
 - a. Coordination drawings among the HVAC, Plumbing, Electrical and General Construction Contractors as required with the lead role assigned to the Mechanical Contractor. The Mechanical Contractor shall prepare 3/8" scale CADD or REVIT drawing with ductwork and piping layout for review by other Prime Contractors. The other Prime Contractors shall then prepare and provide CADD or REVIT additions/modifications representing their work to the Mechanical Contractor, who will then prepare final layout and coordination drawings illustrating work by all Trades on one set of coordination drawings for the project as a part of this Contract Price. The HVAC Contractor shall conduct coordination meeting with all Prime Contractors to discuss and resolve interference problems. Once each Prime Contractor has initialed with approval the coordination drawings, the HVAC Contractor shall submit the coordination drawings to the Architect for review. The other prime contractors shall finalize their shop drawing in accordance with the coordination drawings and submit to the Architect.
 - 1) Schedule: The HVAC Contractor shall prepare and distribute ductwork drawings after all equipment is approved and within 45 days of Owner's Notice to Proceed is issued. The Mechanical Contractor shall coordinate with the Prime Contractor prior to distribution to other trades. Sequence of distribution shall be from Mechanical Contractor to Plumbing Contractor to Electrical Contractor. The other Prime Contractors shall then prepare and distribute to the Mechanical Contractor their Revit input within 14 days of receipt. Within 14 days of its receipt of the coordination drawings from the Electrical and Plumbing Contractors, the HVAC Contractor shall schedule a coordination meeting with all Prime Contractors to resolve remaining conflicts. Once approved by Architect/Engineer, the HVAC Contractor shall provide a color copy of the coordination drawings to Owner's Rep for use on site.
 - 2) Coordination Drawing Organization: Organize coordination drawings as follows:
 - a) Floor Plans and Reflected Ceiling Plans: Show architectural and structural elements, and mechanical, plumbing, fire protection, fire alarm, and electrical Work. Show locations of visible ceiling-mounted devices relative to acoustical ceiling grid. Supplement plan drawings with section drawings where required to adequately represent the Work.
 - b) Plenum Space: Indicate subframing for support of ceiling and wall systems, mechanical and electrical equipment, and related Work. Locate components within ceiling plenum to accommodate layout of light fixtures indicated on

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- Drawings. Indicate areas of conflict between light fixtures and other components.
- c) Mechanical Rooms: Provide coordination drawings for mechanical rooms showing plans and elevations of mechanical, plumbing, fire protection, fire alarm, and electrical equipment.
 - d) Structural Penetrations: Indicate penetrations and openings required for all disciplines.
 - e) Slab Edge and Embedded Items: Indicate slab edge locations and sizes and locations of embedded items for metal fabrications, sleeves, anchor bolts, bearing plates, angles, door floor closers, slab depressions for floor finishes, curbs and housekeeping pads, and similar items.
 - f) HVAC and Plumbing Work: Show the following:
 - (1) Sizes and bottom elevations of ductwork, piping, and conduit runs, including insulation, bracing, flanges, and support systems.
 - (2) Dimensions of major components, such as dampers, valves, diffusers, access doors, cleanouts and electrical distribution equipment.
 - (3) Fire-rated enclosures around ductwork.
 - g) Electrical Work: Show the following:
 - (1) Runs of vertical and horizontal conduit 1-1/4 inch diameter and larger.
 - (2) Light fixture, exit light, emergency battery pack, smoke detector, and other fire alarm locations.
 - (3) Panel board, switch board, transfer switches, transformer and generator locations.
 - (4) Location of pull boxes and junction boxes, dimensioned from column center lines.
 - (5) Telecom racks and cable tray runs.
 - h) Review: Architect will review coordination drawings to confirm that the Work is being coordinated, but not for the details of the coordination, which are the Contractor's responsibility. If the Architect determines that the coordination drawings are not being prepared in sufficient scope or detail, or are otherwise deficient, the Architect will so inform the Contractor, who shall make changes as directed and resubmit.
 - i) Coordination Drawing Prints: Prepare coordination drawing prints in accordance with requirements of Division 01 Section "Submittal Procedures."
7. Coordinate temporary services and facilities with other prime contractors.
8. Coordinate tests and inspections for HVAC, plumbing and electrical work so as not to negatively impact the work of other prime contractors.
- a. Coordinate time of rough-in inspections with General Contractor to ensure that HVAC, plumbing and electrical work does not affect schedules for finish work.

1.6 GENERAL REQUIREMENTS OF CONTRACTS

- A. Extent of Contract: Unless the Agreement contains a more specific description of the Work of each Contract, requirements indicated on Drawings and in Specification Sections determine which contract includes a specific element of Project.
- 1. Unless otherwise indicated, the work described in this Section for each contract shall be complete systems and assemblies, including products, components, accessories, and installation required by the Contract Documents.
 - 2. To the extent that the work of all the contracts represents a complete and integrated whole, each prime contractor shall become thoroughly familiar with all of the construction documents. Work of a particular contract shall be substantially located on the documents referenced below, but such references do not relieve each contractor for responsibility to provide work in compliance with requirements on all the documents as follows:

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- a. Information contained on any construction document shall be enforceable on each contractor as indicated on drawings, by reference to contractor designations (GC, PC, MC and EC).
 - b. Dimensional information on the Architectural drawings that relates to the work of a particular contract shall be the responsibility of that contractor to install the item where located.
 - 1) In the absence of specific dimensional information on the Architectural plans for exposed items provided by the HVAC, Plumbing and Electrical Contracts, consult Architect for decisional requirements before installing exposed item.
 - c. In cases of conflicts, assignment of responsibilities shall be at the sole interpretation of the Architect.
3. Local custom and trade-union jurisdictional settlements do not control the scope of the Work of each contract. When a potential jurisdictional dispute or similar interruption of work is first identified or threatened, affected contractors shall negotiate a reasonable settlement to avoid or minimize interruption and delays.
4. Trenches and backfill for the Work of each contract shall be provided by each contract for its own work unless noted otherwise.
- a. Trenches for work within the building and 5 feet perimeter shall be provided by each contractor requiring the work.
 - b. **Trenches for work outside the 5 feet building perimeter shall be provided by:**
 - 1) **Site and Athletic Contractor to perform all stormwater work and all work under the track and new turf field.**
 - 2) **Electrical Contractor to perform all electrical sitework unless noted specifically for the Site and Athletic Contractor.**
 - 3) **General Contractor to perform all sitework related to gas, sanitary, and water unless noted specifically for the Site and Athletic Contractor.**
5. Blocking, backing panels, sleeves, and metal fabrication supports for the work of each contract shall be the work of each contract for its own work.
6. Concrete related to the work of each contract shall be provided by each contract for its own work, except as noted below, and shall be governed by the requirements of Division 03 Section "Concrete".
- a. Each Prime Contractor shall install "housekeeping" and "equipment support" pads for their respective work. Coordinate dimensions and installation requirements with respective Prime Contractor.
7. Support work as specified in Division 05 Section "Metal Fabrications" to connect work of each contract to the structural system shall be provided by each contractor for its own work.
- a. Support work shall include reinforcements welded within steel joists, as indicated on the structural drawings, for point loads on steel joists.
8. Furnishing of access doors, frames or panels for the work of each contract shall be the work of each contract for its own work. Installation of access panels shall be the work of each contract for its own work. All proposed access panel locations shall be reviewed with the Architect prior to installation.
9. Concealed sealants for the Work of each contract shall be provided by each contractor for its own Work.
10. Painting for the work of each contract shall be the work of the General Construction Contract.
- a. Exposed MEP systems shall be painted. Refer to Section 09 91 23 "Interior Painting".
11. Cutting and Patching: Each Prime Contractor shall perform its own cutting and patching unless noted otherwise.

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- a. Patching of finish work for each contract shall be coordinated with the General Contractor.
- 12. Through-penetration firestopping for the work of each contract shall be provided by each Contractor for its own work.
- 13. Protections for the work of each contract shall be provided by each Contractor for its own work.
- 14. Comply with scheduling and coordination requirements as indicated in the General Conditions.
- 15. Each contractor is responsible to provide temporary protection from the weather and temperature for all openings in the building required for their work.
- 16. Each contractor is responsible for all means and methods to hoist any items required for their work.
- 17. Contractors' Startup Construction Schedule: Within five working days after startup horizontal bar-chart-type construction schedule submittal has been received from Project Coordinator, submit a matching startup horizontal bar-chart schedule and startup network diagram showing construction operations sequenced and coordinated with overall construction.
- 18. Project close out requirements.
- B. Substitutions: Each contractor shall cooperate with other contractors involved to coordinate approved substitutions with remainder of the Work.
 - 1. Project Coordinator shall coordinate substitutions.
 - 2. Substitutions will not be permitted after contract award, except as noted in Section 01 25 00 "Substitution Procedures".
- a. All submittals shall be copied to the Project Coordinator.
- C. Temporary Facilities and Controls: In addition to specific responsibilities for temporary facilities and controls indicated in this Section and in Section 01 50 00 "Temporary Facilities and Controls," each contractor is responsible for the following:
 - 1. Installation, operation, maintenance, and removal of each temporary facility necessary for its own normal construction activity, and costs and use charges associated with each facility, except as otherwise provided for in this Section.
 - 2. Plug-in electric power cords and extension cords, supplementary plug-in task lighting, and special lighting necessary exclusively for its own activities.
 - 3. Its own field office, complete with necessary furniture, utilities including internal power distribution from external disconnect box, and telephone service.
 - 4. Its own storage and fabrication sheds.
 - 5. Temporary enclosures for its own construction activities.
 - 6. Staging and scaffolding for its own construction activities.
 - 7. All hoisting facilities for its own construction activities, including hoisting material or equipment into spaces below grade, and hoisting requirements outside building enclosure.
 - 8. Progress cleaning of work areas affected by its operations on a daily basis.
 - 9. Secure lockup of its own tools, materials, and equipment.
 - 10. Construction aids and miscellaneous services and facilities necessary exclusively for its own construction activities.
 - 11. Generators for powering welders.
 - 12. Generators for equipment requiring three phase power. This shall also include temporary power for 3-phase permanent equipment that must be tested before connection to and/or availability of permanent power supply.
- D. Temporary Heating, Cooling, and Ventilation: The General Construction Contract is responsible for temporary heating, cooling, and ventilation for the duration of the project.
 - 1. Permanent systems may not be used for temporary heating and dehumidifying. Owner will consider allowing use of the permanent HVAC equipment for temporary heat once its ready for start-up and provided building conditions are maintained clean and dust free.
 - 2. Refer to Section 01 50 00 "Temporary Facilities and Controls".
- E. Temporary Electrical Power Service, Distribution and Lighting:
 - 1. Contractors may not utilize the existing electrical system from the existing adjacent school for construction related activities.

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2. The **Electrical Contractor** shall furnish and install a metered temporary electric service that is appropriately sized for all the construction related activities.
 3. **Electrical Contractor shall coordinate the location of temporary service panel.**
 4. The **Electrical Contractor** to provide temporary electric power within 30 days of Notice to Proceed or provide trucked in power for staging area and office trailers until utility provided power is established.
 5. The installation and removal of electric service for the Staging area is the responsibility of the **Electrical Contractor**. The **Electrical Contractor** shall coordinate with the local utility and pay all associated fees.
 - a. **Electrical Contractor** is responsible for the installation of required poles, lines and equipment needed to supply power to the main temporary service panel in the Staging area. Coordinate locations of any required poles and equipment with General Contractor.
- F. Temporary Water Distribution Piping: Plumbing Contractor is responsible for temporary distribution piping from tanker and new service when available. Include connections to the new service, when available, and electric pumps to raise water to required levels from temporary tanker water source.
1. Hoses may only be used for water distribution if connected to General Contractor supplied tanks.
- G. Temporary Water Service: General Construction Contractor is responsible for provision of truck mounted tank water supply until time that connection can be made to the new water service.
- H. Telephone Service: Electrical Contractor is responsible to bring telephone and data service lines to the Staging Area capable of supporting all temporary usage as described in Section 01 50 00. Electrical Contractor to coordinate telephone and data service requirements with other Prime Contractors. General Construction Contractor is responsible for installation and maintenance of temporary telephone and data lines throughout construction period for Temporary Field Offices for Owner's Representative as described in Section 01 50 00.
- I. Use Charges: Refer to Section 01 50 00 "Temporary Facilities and Controls".
- J. Other Temporary Facilities and Controls: Unless specifically assigned otherwise in this Section, other temporary facilities and controls are the responsibility of the General Construction Contractor.
- 1.7 GENERAL CONSTRUCTION CONTRACT (GC)
- A. Work in the General Construction Contract includes architectural, structural construction plus other construction operations traditionally recognized as General Construction. It also includes administrative and coordination responsibilities. Work under this Prime Contract includes, but is not limited to, the following:
- B. **The General Contract includes but is not limited to all work shown on the Mechanical, Plumbing, and Electrical Drawings, and includes all site work, including but not limited to all clearing, cut and fill, grading, excavation and backfill and work associated with Domestic Water, Gas, and Sanitary Sewer utilities, and as set forth below:**
1. **All work under the expanded track and stadium field is the responsibility of the Site and Athletic Contractor.**
 2. **Notification of Municipal Offices, County Conservation and Utility Companies as required prior to starting work.**
 3. **Provide all fees, permits and inspections as required to perform all work. Owner shall obtain and pay for the Building Permit.**
 4. **Water, gas, and sanitary utilities shall be connected at five feet from the building perimeter, unless noted otherwise. Connection of these utilities is the responsibility of the Prime Contractor under whose contract the utility is required from the building.**
 5. **Trenching, installation and backfilling of excavation for sanitary sewer and new water lines.**
 6. **Trenching and backfilling for installation of new gas line. Installation of Gas Line shall be by the Utility.**

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7. All site improvement work designated more than five feet or beyond the perimeter of the project building is the responsibility of the General Contractor, unless specifically noted otherwise.
 - a. Electrical site work shall be performed by the Electrical Contractor unless noted otherwise:
 - 1) All conduit and junction boxes, including trenching and excavation for the conduit, outside the footprint of the field and track Electrical Site Plans, shall be provided by the Electrical Contractor.
8. Coordinate, schedule, and approve interruptions of permanent and temporary utilities, including those necessary to make connections for temporary services.
9. Provide information necessary to adjust, move, or relocate existing utility structures affected by construction.
10. Locate existing permanent benchmarks, control points, and similar reference points, and establish permanent benchmarks on Project site.
11. Provide field surveys of in-progress construction and site work.
12. Construction layout and land surveying services required for all work required under the General Contract, including all control points and elevations required for other prime contractors to locate and layout work required for their contract without engaging an independent surveyor.
13. Site preparation, including clearing, building demolition and relocations, and earthwork.
14. Site improvements, including roadways, parking lots, pedestrian paving, site development furnishings and equipment, and landscaping.
 - a. Restoration of site following all trenching required for installation of utilities.
15. Tunnels for site utilities.
16. Site utilities, the General Contractor shall contact, coordinate and provide connections to the following Utilities as follows:
 - a. **Water:** Site Contractor shall bring water and fire service to 5' of building perimeter, include pressure testing.
 - b. **Gas:** Site contractor shall provide trenching for third party to install gas line to meter.
 - c. **Sanitary:** Site contractor shall bring sanitary service to 5' of building perimeter.
 1. Existing building selective demolition.
 2. Foundations, building pad, including footings, underpinning, and foundation walls.
 3. Slabs-on-grade, including earthwork, subdrainage systems, and insulation.
 4. Below-grade building construction, including excavation, backfill, and thermal and moisture protection.
 5. Miscellaneous metal work including intermediate supports for mechanical, electrical and plumbing equipment.
 6. Exterior closure, including walls, doors, and windows.
 7. Gutters and downspouts - Site Contractor to provide downspout boots and all leaders extending from downspout boots.
 8. Interior construction, including partitions, doors, and fittings.
 - a. Door hardware and coordination with security system provider, including all associated low voltage wiring between doors and power supply.
 9. Fire-protection specialties.
 10. Stairs, including railings and finishes **(excludes stairs and railings provided by the Bleacher Contractor)**.
 11. Interior finishes, finish carpentry architectural woodwork and built-in casework.
 12. Miscellaneous items, including painting of exposed mechanical and electrical work.
 13. Exposed sealants.
 14. Edge of slab and top of wall fire resistive joint systems.
 15. Firestopping for openings not related to work of other contracts.
 16. Equipment, including the following:
 - a. Visual display surfaces.
 - b. Residential appliances.

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- c. Fire extinguisher cabinets.
 - d. Equipment specified, not specifically noted to be provided by another contract.
 - e. Installation of Owner provided equipment.
 - 17. Furnishings, including pre-manufactured casework.
 - 18. Lintels required for HVAC, plumbing, electrical, shall be provided by the Prime Contractors doing that work.
 - 19. Metal drip edge.
 - 20. Each Prime Contractor is responsible for coordinating size and location for all openings required to accommodate work in their scope.
 - 21. Remaining work not identified as work under other contracts.
 - 22. All work covered in Divisions 01 through 12 these specifications.
- B. Temporary facilities and controls in the General Construction Contract include, but are not limited to, the following:
- 1. Temporary facilities and controls that are not otherwise specifically assigned to the Plumbing Contract, Mechanical Contract, Electrical Contract **or Site and Athletics Contractor.**
 - 2. Unpiped temporary toilet fixtures, wash facilities, and drinking water facilities, including disposable supplies.
 - 3. Temporary enclosure for building exterior.
 - 4. Dewatering facilities and drains.
 - 5. Excavation support and protection, unless required solely for the Work of another contract.
 - 6. Project identification and temporary signs.
 - 7. General Contractor to provide waste facilities (dumpsters) for all Prime Contractors **(for public bid prime contractors including MC, PC, and EC). Includes collection and legal disposal of its own hazardous, dangerous, unsanitary, or other harmful waste materials.**
 - 8. Pest control.
 - 9. Temporary stairs.
 - 10. Temporary fire-protection facilities.
 - 11. Barricades, warning signs, and lights.
 - 12. General hoisting facilities for material and personnel.
 - 13. Covered walkways, when needed to provide safe access to occupied areas in the building.
 - 14. Security enclosure and lockup **of buildings.**
 - 15. Environmental protection.
 - 16. Safety measures.
 - 17. Snow and ice removal.
 - 18. Temporary heating, ventilation and humidity control.
 - 19. Temporary facilities as indicated in Division 01, Section "Temporary Facilities and Controls."
 - 20. Temporary dust proof partitions.

1.8 PLUMBING CONTRACT (PC)

- A. Work in the Plumbing Contract shall include all labor, material, equipment, and services necessary for the complete construction of plumbing, drainage Work and Work of other piped systems shown on the P- and FP- drawings and described in Divisions 00, 01, 02, 20, and 22 of the Specifications. Refer to other Sections of the Specifications for the installation and execution of incidental work (example: Earthwork and Concrete). The Plumbing Contract includes, but is not limited to, the following:
- 1. Provide a construction layout for all work under this contract.
 - 2. Site Utilities, the Plumbing Contractor shall be responsible for the following Utilities as they enter the building, including making connections between the site and building lines:
 - a. Domestic Water: PC shall extend water lines from the building out 5' from building perimeter.
 - b. Sanitary: PC shall extend sanitary service out 5' from building perimeter.
 - c. Storm: PC shall provide all storm line tie-ins out 5' from building perimeter.
 - d. Gas: PC shall take gas line into building from Meter.

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3. Sanitary waste from five feet beyond the building perimeter into the building, including connection to the sanitary sewer work provided under the General Contract. All hook-up and connection requirements within a five-foot perimeter of the building are the responsibility of the Plumbing Contractor.
4. Plumbing fixtures, including wall hydrants on exterior walls.
5. Domestic water distribution and fire protection system components.
6. Domestic hot/cold water systems.
7. Sanitary waste and vent systems within the building-to-building perimeter as defined on plans and to include tie-in with site utility as indicated above.
8. Flushing, sanitizing and water quality testing for water distribution systems.
9. Cutting and patching as required for installation of plumbing systems and equipment.
10. Plumbing connections to equipment furnished by the General Construction Contract, Plumbing Contract, Mechanical Contract and Electrical Contract.
11. Lintels as required for Plumbing Scope.
12. All work covered in Divisions 01, 20, and 22 of these specifications.
13. Coordination with Commissioning Agent.
14. Composite coordination drawings.
15. Natural gas piping and system components.

B. Temporary facilities and controls in the Plumbing Contract include, but are not limited to, the following:

1. Piped temporary sewers and drainage.
2. Plumbing connections to temporary facilities and controls furnished by the General Construction Contract, Plumbing Contract, HVAC Contract and Electrical Contract.
3. Temporary facilities as indicated in Section 01 50 00 "Temporary Facilities and Controls."
4. Installation, operation, maintenance, and removal of each temporary facility considered as its own normal construction activity, and costs and use charges associated with each facility.
5. Plug-in electric power cords and extension cords, supplementary plug-in task lighting, and special lighting necessary exclusively for its own activities.
6. Its own field office, if needed.
7. Its own storage and fabrication sheds.
8. General hoisting facilities for its own construction activities.
9. Progress cleaning of its own areas on a daily basis.
10. Secure lockup of its own tools, materials, and equipment.
11. Construction aids and miscellaneous services and facilities necessary exclusively for its own construction activities.

1.9 HEATING, VENTILATING AND AIR CONDITIONING CONTRACT (MC)

A. Work in the Heating, Ventilating, and Air-Conditioning Contract includes all labor, material, equipment and services necessary for the complete construction of all the heating, ventilating, and air-conditioning system and the temperature control system Work and Work of other ducted systems shown on M- series drawings and described in Division 00, 01, 02, 20 and 23 of the Specifications. Refer to other Sections of the Specifications for the installation and execution of incidental work (example: Earthwork and Concrete). Work under this Prime Contract includes, but is not limited to, the following:

1. Provide construction layout for all work under this contract.
2. HVAC piping systems, including:
 - a. Hydronic distribution.
 - b. Refrigerant piping.
 - c. Associated pumps.
 - d. Specialties and accessories.
3. Heat generation
 - a. Wall Mounted Condensing Boilers
4. Refrigeration, including:

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- a. Condensing Units.
 - 5. HVAC distribution.
 - a. Supply, return, and exhaust.
 - b. Terminal outlets and accessories.
 - c. Fans.
 - 6. Terminal and packaged units, including:
 - a. VRF Heat Pump System.
 - b. Ductless Split Systems.
 - c. Unit Heaters.
 - d. Finned radiation.
 - e. Electric Ceiling Panel Heaters.
 - f. Energy Recovery Ventilators.
 - 7. Air-Handling Equipment.
 - 8. HVAC instrumentation and controls.
 - 9. HVAC testing, adjusting, and balancing.
 - 10. Temperature Control Systems, including control wiring.
 - 11. Start-up of HVAC systems, controls and equipment.
 - 12. HVAC connections to equipment furnished by the General Construction Contract, the Plumbing Contract, the Mechanical Contract and the Electrical Contract.
 - 13. Cutting and patching as required for installation of HVAC systems and equipment.
 - 14. All work covered in Divisions 00, 01, 02 20 and 23 of these specifications.
 - 15. Coordination with Commissioning Agent.
- B. Temporary Heating, Cooling, and Ventilation: The General Construction Contract Project Coordinator is responsible for temporary heating, cooling, and ventilation.
- 1. Use of permanent equipment may be permitted by Owner if in accordance with contract requirements. Upon project completion, all equipment shall be serviced; all filters changed. Warranties may not go into effect until Substantial Completion of the building or its systems.
- 1.10 ELECTRICAL CONTRACT (EC)
- H. Work in the Electrical Contract shall include all labor, material, equipment and services necessary for the complete construction of all electrical Work shown on the E- series drawings and described in Divisions 00, 01, 02, 20, 26, 27 and 28 of the Specifications unless noted otherwise. Scope includes but is not limited to, the following:
- 1. Provide construction layout for all work under this contract.
 - 2. Electrical power service and distribution, including required disconnect switches at equipment requiring power.
 - 3. Lighting, branch wiring and fixtures.
 - 4. Electrical grounding
 - 5. Fire detection and alarm systems including wiring and connections for duct detectors.
 - 6. Data, voice, security, CATV and communications systems.
 - a. Preparation of rough-in details required for coordination of hardware and security systems.
 - 7. Testing and adjusting of electrical systems and equipment.
 - 8. Starting of electrical systems and equipment.
 - 9. Provision of labor and materials as outlined for rough-ins and final connections associated with the installation of the Appliances.
 - 10. Provision and installation of equipment pads, including generator and transformer pads, for equipment required under this contract.
 - 11. Special electrical systems, including the following:

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- a. Packaged engine generator systems.
 - b. Data systems.
 - c. Communication systems.
 - d. Security System –intrusion detection and access control.
 - e. Surveillance camera system.
 - f. Audio visual rough-in and wiring. Coordination with Owner equipment provider and installer.
 12. Cutting and patching as required for installation of electrical systems and equipment.
 13. Electrical connections to equipment furnished by the General Construction Contract, Plumbing Contract, Mechanical Contract, and Electrical Contract.
 14. Coordination with Commissioning Agent.
 - I. Temporary facilities and controls in the Electrical Contract include, but are not limited to, the following:
 1. Electrical connections to temporary facilities and controls furnished by the General Construction Contract, Plumbing Contract, Mechanical Contract and Electrical Contract.
 2. Temporary emergency electrical systems, including but not limited to lighting and egress lighting.
 3. Temporary facilities as indicated in Division 01, Section "Temporary Facilities and Controls."
- 1.11 SITE AND ATHLETICS CONSTRUCTION CONTRACT (LandTEK)
- C. **Limited Site Development including all storm water management and all utility work under the expanded track and field areas. The Site Contract includes but is not limited to all work shown on the Site Development Drawings, and includes all site work, including but not limited to all clearing, cut and fill, grading, excavation and backfill and work associated with Storm Water utilities, and as set forth below:**
1. **Notification of Municipal Offices, County Conservation and Utility Companies as required prior to starting work.**
 2. **Provide all fees, permits and inspections as required to perform all stormwater work. Owner shall obtain and pay for the Building Permit.**
 3. **Stormwater utilities shall be connected at five feet from the building perimeter, unless noted otherwise. Connection of these utilities is the responsibility of the Prime Contractor under whose contract the utility is required from the building.**
 4. **Trenching, installation and backfilling of excavation for storm water management.**
 5. **All site stormwater work designated more than five feet or beyond the perimeter of the project building is the responsibility of the Site Contractor, unless specifically noted otherwise.**
 - a. **Electrical site work shall be performed by the Electrical Contractor unless noted otherwise:**
 - 1) **All conduit and junction boxes, including trenching and excavation for the conduit, outside the footprint of the field and track Electrical Site Plans, shall be provided by the Electrical Contractor.**
 6. **Provide information necessary to adjust, move, or relocate existing utility structures affected by construction.**
 7. **Locate existing permanent benchmarks, control points, and similar reference points, and establish permanent benchmarks on Project site.**
 8. **Provide field surveys of in-progress construction and site work.**
 9. **Site temporary construction fencing and final site (including up to the buildings) fencing and gates.**
 10. **Site utilities, the Site Contractor shall contact, coordinate and provide connections to the following Utilities as follows:**
 - a. **Storm: Site contractor shall provide all storm line tie-ins to 5' of building perimeter, including supply downspout boot and make tie-in from point of boot connection.**
 11. Athletic scope including track, field, turf scope.

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12. Temporary facilities and controls in the Electrical Contract include, but are not limited to, the following:
 - a. Electrical connections to temporary facilities and controls furnished by the General Construction Contract, Plumbing Contract, Mechanical Contract and Electrical Contract.
- 1.12 BLEACHER CONTRACT (Stadium Solutions – noted on Arch Drawings as ‘Owner Contractor)
- A. Bleacher related scope as listed below:
1. Fabricate, deliver, and install new ‘T’ shaped brackets that attach to the face of the existing grandstand risers (staggered from the existing fastener’s locations).
 2. Fabricate, deliver, and install the metal bleacher ramps, stairs, decks, and guardrail system including concrete foundations.
 3. Fabricate, deliver and install the new front walkway deck including guardrail system and understructure support, including fascia to close off the existing concrete deck.
 4. Fabricate, deliver, and install new Press Box 12’ x 30’ with filming platform to the GC installed structure.
 5. Fabricate, deliver, and install new Press Box landings and angle frame support attached to existing concrete deck. Includes guardrail system with vinyl closure. Includes downspout system to grade or boot from the new Press Box.
 6. Fabricate, deliver, and install closure of sides of the new Press Box understructure with siding.
 7. Fabricate, deliver, and install mid aisle handrails, deck mounted on both Home and Visitor bleacher structures.
- 1.13 STADIUM LIGHTING (MUSCO)
- A. Stadium lighting fixture upgrades and lighting controls. **Electrical Contractor to provide power to MUSCO lights per Electrical Drawings and specifications.**
- B. Softball lighting Alternate.
- 1.14 SCOREBOARD (NEVCO)
- H. New scoreboard. **Electrical Contractor to provide power and data to new scoreboard per Electrical Drawings and specifications.**

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01 12 00

SECTION 01 21 00 – UNIT-COST ALLOWANCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements governing allowances.
 - 1. Certain items are specified in the Contract Documents by allowances. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when direction will be provided to Contractor. If necessary, additional requirements will be issued by Change Order.
- B. Types of allowances include the following:
 - 1. Unit-cost allowances.
- C. Related Requirements:
 - 1. Section 01 22 00 "Unit Prices" for procedures for using unit prices.
 - 2. Section 01 26 00 "Contract Modifications" for procedures for submitting and handling change orders for allowances.
 - 3. Section 01 40 00 "Quality Requirements" for procedures governing the use of allowances for testing and inspecting.
 - 4. Divisions 02 through 33 for items of work covered by allowances.

1.3 SELECTION AND PURCHASE

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

1.4 ACTION SUBMITTALS

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

1.5 INFORMATIONAL SUBMITTALS

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

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

1.6 COORDINATION

- A. Coordinate allowance items with other portions of the Work. Furnish templates as required to coordinate installation.

1.7 UNIT-COST ALLOWANCES

- A. Unit-Cost Allowances shall include cost to Contractor of specific products and materials ordered by Owner or selected by Architect under allowance and shall include taxes, freight, and delivery to Project site.
- B. Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor, installation, overhead, profit and bonds, and similar costs related to products and materials selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance.
- C. Unused Materials: Return unused materials purchased under an allowance to manufacturer or supplier for credit to Owner, after installation has been completed and accepted.
 - 1. If requested by Architect, retain and prepare unused material for storage by Owner. Deliver unused material to Owner's storage space as directed. Otherwise, disposal of unused material is contractor's responsibility.

1.8 ADJUSTMENT OF ALLOWANCES

- A. Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place based on the Unit Price listed for the actual quantity used in the work.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

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

3.2 PREPARATION

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

3.3 SCHEDULE OF UNIT-COST ALLOWANCES

- A. In accordance with the instructions specified in applicable Specification Sections and as may be further indicated on the Drawings, the Contractor responsible for the applicable allowance shall include the cost

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for the allowance (unit price multiplied by the allowance quantity) in the Base Bid. The allowance quantities listed shall be in addition to those required to complete the Work of the Contract and, consequently, the cost for the allowance shall be deducted from the Contract amount by change order if the corresponding allowance work is not required by actual conditions encountered.

B. MASONRY (To be included in the General Construction Contract Base Bid Only)

1. Material Allowance No. 4A – Masonry Repointing

- a. In addition to masonry repointing indicated within the Contract Documents, include 200 square feet of brick masonry repointing wall area as directed by the Architect. Assume areas will be installed in small quantities (+-10 L.F.) as required.
- b. Comply with requirements for Division 04 Section 04 20 00 "Unit Masonry".
- c. Coordinate the quantity allowance with the unit-price requirements in Section 01 22 00 "Unit Prices".

C. PLUMBING: (To be included in the Plumbing Construction Contract Base Bid Only)

1. Material Allowance 22A – Domestic Water Pipe.

- a. Description: In addition to the work shown on the drawings and specifications, provide and install additional domestic water pipe, insulation, hangers, fittings, etc., for the following pipe sizes and quantities in accordance with Unit Price 22A (Base Bid Materials):

¾"	50 LF	5 fittings	2 valves
1"	50 LF	5 fittings	2 valves
2"	50 LF	5 fittings	2 valves
3"	50 LF	5 fittings	2 valves

2. Material Allowance 22B – Above Ground Soil, Waste, Vent Piping.

- a. Description: In addition to the work shown on the drawings and specifications, provide and install additional aboveground soil, waste, and vent pipe, hangers, fittings, etc. for the following pipe sizes and quantities in accordance with Unit Price 22B (Base Bid Materials):

1 ½"	50 LF	2 fittings
2"	50 LF	2 fittings

3. Material Allowance 22C – Underground Soil, Waste, Vent Piping.

- a. Description: In addition to the work shown on the drawings and specifications, provide labor, material, excavation, backfill, to install additional underground soil, waste, and vent pipe, fittings, etc. for the following pipe sizes and quantities in accordance with Unit Price 22C (Base Bid Materials):

2"	50 LF	5 fittings
4"	50 LF	5 fittings
6"	50 LF	5 fittings

4. Material Allowance 22D – Underground Storm Drainage Piping within 5 feet of building.

- a. Description: In addition to the work shown on the drawings and specifications, provide labor, material, excavation, backfill, to install additional underground storm drainage pipe, fittings, etc. for the following pipe sizes and quantities in accordance with Unit Price 22D:

3"	50 LF	5 fittings
4"	50 LF	5 fittings
6"	50 LF	5 fittings

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D. HVAC: (To be included in the HVAC Construction Contract Base Bid Only)

1. Material Allowance 23A – Hydronic Pipe.

- a. Description: In addition to the work shown on the drawings and specifications, provide and install additional hydronic pipe, insulation, hangers, fittings, etc., for the following pipe sizes and quantities in accordance with Unit Price 23D:

¾"	50 LF	5 fittings	5 valves
1"	50 LF	5 fittings	5 valves
1 ¼"	50 LF	5 fittings	5 valves
1 ½"	50 LF	5 fittings	5 valves
2"	50 LF	5 fittings	5 valves

E. ELECTRICAL: (To be included in the Electrical Construction Contract Base Bid Only)

1. Material Allowance 26A –Additional 20 AMP Duplex Receptacles:

- a. Description: In addition to the work shown on the drawings and specifications, provide and install a total of ten (10) additional duplex receptacle outlets each including outlet box, wall plate, 100' of concealed wire (2-#12 and 1-#12 ground) in a ¾" EMT conduit and connection to spare branch circuit protective device in a panel board in accordance with Unit Price 26A.

2. Material Allowance 26 B – Additional 20 AMP Rated Wire and Conduit:

- a. Description: In addition to the work shown on the drawings and specifications, provide and install ten (10) additional electrical connections each including 100 lineal feet of concealed (2 #12 and #12 ground) wire in ¾" EMT conduit, terminations at nearest panelboard and at an electrical device or electrical equipment. Include all testing and labeling. Conduit supports shall be as per Specifications. Make all connections necessary for complete and fully functional installation in accordance with Unit Price 26B.

3. Material Allowance 26 C – Exit Signs:

- a. Description: In addition to the work shown on the drawings and specifications, provide and install four (4) additional exit sign assemblies, appropriate mounting equipment, up to 200 lineal feet of concealed wire (2 #10 and 1 #10 ground) in ¾" EMT conduit and all terminations and connections. Connect to closest normal/emergency life safety circuit in accordance with Unit Price 26C.

4. Unit Price No. 28A – Smoke Detector.

- a. Description: In addition to the work shown on the drawings and specifications, provide and install a total of three (3) additional fire alarm initiating devices which will include the following: one smoke detector unit and backbox as specified; 50 linear feet of ¾" EMT conduit, cabling, terminations and connections to the fire alarm system and programming required in accordance with Unit Price 28A.

F. EARTHWORK: To be included in the General Construction Contractors (All Sections in Earthwork), Electrical Contractor to provide Unit Price 31A – Trench Rock Excavation only:

1. Material Allowance 31A – Trench Rock Excavation – by Machine (GC + EC)

- a. Description: In addition to the work shown on the drawings and specifications, provide an additional 500 cubic yards of trench rock excavation by machine, removal to off-site location, replacement with approved structural fill materials, and compaction in accordance with Unit Price 31A.

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2. Material Allowance 31B – Open / Bulk Rock Excavation – by Machine (GC Only)
 - a. Description: In addition to the work shown on the drawings and specifications, provide an additional 200 cubic yards of open/bulk rock excavation by machine, removal to off-site location, replacement with approved structural fill materials, and compaction in accordance with Unit Price 31B.
3. Material Allowance 31C – Unsuitable Soils (GC Only)
 - a. Description: In addition to the work shown on the drawings and specifications, provide an additional 500 cubic yards of removal and disposal of naturally occurring soils identified as unsuitable with compacted suitable soils or engineered fill materials from on or off site, and compaction of replacement materials in accordance with Unit Price 31C.

END OF SECTION 01 21 00

SECTION 01 22 00 - UNIT PRICES, ADDENDUM 01

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for unit prices.
- B. Related Sections:
 - 1. Section 01 21 00 "Unit-Cost Allowances".
 - 2. Section 01 26 00 "Contract Modification Procedures" for procedures for submitting and handling Change Orders.
 - 3. Section 01 40 00 "Quality Requirements" for general testing and inspecting requirements.
 - 4. Divisions 02 through 33 Sections for items of work covered by Unit Prices.

1.3 DEFINITIONS

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

1.4 PROCEDURES

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

1.5 PAYMENT

- A. Payment Includes: Full compensation for all required labor, Products, tools, equipment, plant, transportation, services and incidentals; erection, application or installation of an item of the Work; supervision, overhead and profit.

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- B. Final payment for Work governed by unit prices will be made on the basis of the actual measurements and quantities accepted by the Owner multiplied by the unit price for Work which is incorporated in or made necessary by the Work as adjusted as may be permitted under the requirements of this Section or other conditions of the Contract.

1.6 DEFECT ASSESSMENT

- A. Replace the Work, or portions of the Work, not conforming to specified requirements.
- B. If, in the sole opinion of the Owner, it is not practical to remove and replace the Work, the Owner will direct one of the following remedies:
 - 1. The defective Work may remain, but the unit sum/price will be adjusted to a new price at the discretion of the Owner
 - 2. The defective Work will be partially repaired to the instructions of the Owner, and the unit price will be adjusted to a new sum/price at the discretion of the Owner.
- C. The individual specification sections may modify these options or may identify a specific formula or percentage price reduction.
- D. The authority of the Owner to assess the defect and identify payment adjustment is final.

1.7 NON-PAYMENT FOR REJECTED PRODUCTS

- A. Payment will not be made for any of the following:
 - 1. Products wasted or disposed of in a manner that is not acceptable.
 - 2. Products determined as unacceptable before or after placement.
 - 3. Products not completely unloaded from the transporting vehicle.
 - 4. Products placed beyond the lines and levels of the required Work.
 - 5. Products remaining on hand after completion of the Work.
 - 6. Loading, hauling, and disposing of rejected Products.

PART 2 – PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF UNIT PRICES

- A. GENERAL CONSTRUCTION to be provided by General Construction Contractors only:
 - 1. Unit Price No. 3A – Concrete Spall Repair
 - a. Description: Provide repairs per detail on Structural Drawing A/S1.2 as directed by the Architect. Assume repairs will be in small quantities (+-1 S.F.).
 - b. Comply with requirements for Division 03 Section 03 01 30 "Maintenance of Cast-In-Place Concrete".
 - c. Unit of Measurement: Per Square Foot
 - 2. Unit Price No. 3B – Concrete Crack Repair
 - a. Description: Provide repairs per detail on Structural Drawing B/S1.2 as directed by the Architect. Assume repairs will be in small quantities (+-1 S.F.).

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- b. Comply with requirements for Division 03 Section 03 01 30 "Maintenance of Cast-In-Place Concrete".
- c. Unit of Measurement: Per Square Foot

3. Unit Price No. 4A – Masonry Repointing

- a. Description: Provide repointing per Structural Drawing details as directed by the Architect. Assume repairs will be in small quantities (+-1 S.F.).
- b. Comply with requirements for Division 04 Section 04 20 00 "Unit Masonry".
- c. Unit of Measurement: Per Square Foot

4. Unit Price No. 4B – Underpinning

- a. Description: Provide foundation underpinning cost per Structural Drawing details as directed by the Architect. Assume repairs will be in small quantities (+-3 L.F.).
- b. Comply with requirements for Division 04 Section 04 20 00 "Unit Masonry".
- c. Unit of Measurement: Per Lineal Foot

B. PLUMBING to be provided by Plumbing Construction Contractors only:

1. Unit Price No. 22A – Domestic Water Pipe as Noted.

- a. Description: Provide and install additional domestic water pipe, insulation, hangers, fittings, etc., for the following pipe sizes:
- b. Comply with requirements for Division 22 Section 22 11 16 "Domestic Water Piping".
- c. Unit of Measurement: Linear Foot.

1.	¾"	\$	LF	\$	per fitting	\$	per valve
2.	1"	\$	LF	\$	per fitting	\$	per valve
3.	2"	\$	LF	\$	per fitting	\$	per valve
4.	3"	\$	LF	\$	per fitting	\$	per valve

2. Unit Price No. 22B – Aboveground Soil, Waste, Vent Piping as Noted.

- a. Description: Provide and install additional aboveground soil, waste, and vent pipe, hangers, fittings, etc. for the following pipe sizes:
- b. Comply with requirements for Division 22 Section 22 13 16 "Sanitary Waste and Vent Piping"
- c. Unit of Measurement: Per Linear Foot.

1.	1 ½"	\$	LF	\$	per fitting
2.	2"	\$	LF	\$	per fitting

3. Unit Price No. 22C – Underground Soil, Waste, Vent Piping as Noted.

- a. Description: Provide labor, material, excavation, backfill, to install additional underground soil, waste, and vent pipe, fittings, etc. for the following pipe sizes:
- b. Comply with requirements for Division 22 Section 22 13 16 "Sanitary Waste and Vent Piping"
- c. Unit of Measurement: Per Linear Foot.

1.	2"	\$	LF	\$	per fitting
2.	4"	\$	LF	\$	per fitting
3.	6"	\$	LF	\$	per fitting

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4. Unit Price No. 22D – Underground Storm Drainage Piping as Noted.

- a. Description: Provide labor, material, excavation, backfill, to install additional underground storm drainage pipe, fittings, etc. for the following pipe sizes:
- b. Comply with requirements for Division 22 Section 22 14 13 "Facility Storm Drainage Piping"
- c. Unit of Measurement: Per Linear Foot.

1.	3"	\$	LF	\$	per fitting
2.	4"	\$	LF	\$	per fitting
3.	6"	\$	LF	\$	per fitting

C. HEATING, VENTILATING & AIR CONDITIONING to be provided by HVAC Construction Contractors only:

1. Unit Price No. 23A – Hydronic Pipe.

- a. Description: Provide and install additional hydronic pipe, insulation, hangers, fittings, etc., for the following pipe sizes:
- b. Comply with requirements for Division 23 Section 23 21 13 "Hydronic Piping".
- c. Unit of Measurement: Per Linear Foot.

1.	¾"	\$	LF	\$	per fitting	\$	per valve
2.	1"	\$	LF	\$	per fitting	\$	per valve
3.	1 ¼"	\$	LF	\$	per fitting	\$	per valve
4.	1 ½"	\$	LF	\$	per fitting	\$	per valve
5.	2"	\$	LF	\$	per fitting	\$	per valve

D. ELECTRICAL to be provided by Electrical Construction Contractors only:

1. Unit Price 26A – 20 amp Duplex Receptacles:

- a. Description: Provide and install additional duplex receptacle outlets each including outlet box, wall plate, 100' of concealed wire (2-#12 and 1-#12 ground) in a ¾" EMT conduit and connection to spare branch circuit protective device in a panel board.
- b. Comply with requirements for Division 26 Section 26 27 26 "Wiring Devices".
- c. Unit of Measurement: Each receptacle installed in normal course of construction.

2. Unit Price 26B –20 amp Rated Wire and Conduit:

- a. Description: Provide and install additional electrical connections each including 100 lineal feet of concealed (2 #12 and #12 ground) wire in ¾" EMT conduit, terminations at nearest panelboard and at an electrical device or electrical equipment. Include all testing and labeling. Conduit supports shall be as per Specifications. Make all connections necessary for complete and fully functional installation.
- b. Comply with requirements for Division 26 Section 26 05 19 "Low-Voltage Electrical Power Conductors & Cable" and 26 05 33 "Raceway Boxes for Electrical Systems".
- c. Unit of Measurement: Each 100 Linear Feet.

3. Unit Price 26C – Exit Sign

- a. Description: Provide and install additional exit sign assemblies, appropriate mounting equipment, up to 200 lineal feet of concealed wire (2 #10 and 1 #10 ground) in ¾" EMT conduit and all terminations and connections. Connect to closest normal/emergency life safety circuit.
- b. Comply with requirements for Division 26 Sections and Drawing requirements for similar work.
- c. Unit of Measurement: Per assembly.

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F. ELECTRONIC SAFETY AND SECURITY to be provided by Electrical Construction Contractors only:

1. Unit Price 28A –Fire Alarm Audible/Visual Device

- a. Description: Provide and install additional fire alarm A/V device assemblies, consisting of A/V device, backbox, up to 50 linear feet of ¾" EMT conduit, cabling and all terminations and connections to fire alarm system and programming required.
- b. Comply with requirements for Division 28 Sections and Drawing requirements for similar work.
- c. Unit of Measurement: Per assembly.

G. EARTHWORK to be provided by General Construction Contractors (All Earthwork Sections), Electrical Contractor to provide Unit Price 31A – Trench Rock Excavation only:

1. Unit Price No. 31A – Trench Rock Excavation – by Machine (GC + EC)

- a. Description: Excavation of trench rock by machine, removal to off-site location, replacement with approved structural fill materials, and compaction.
- b. Comply with requirements for Division 31 Section 31 20 00 "Earth Moving".
- c. Unit of Measurement: Cubic yard of Trench Rock excavated by machine.

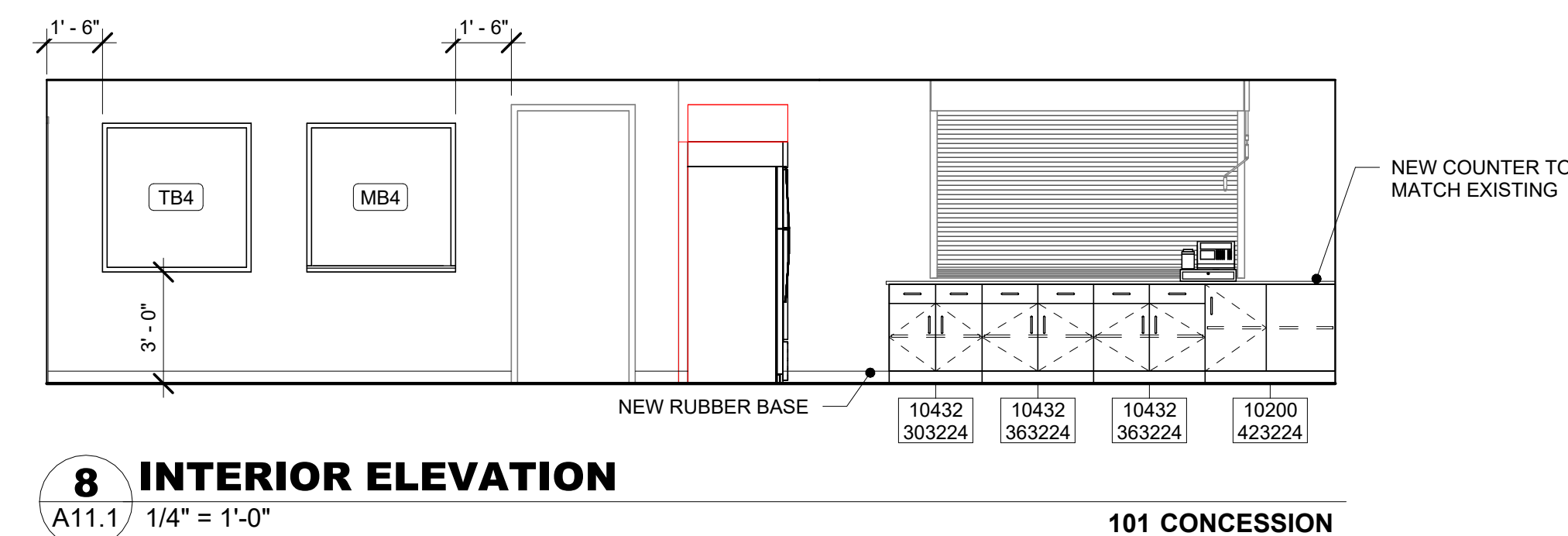
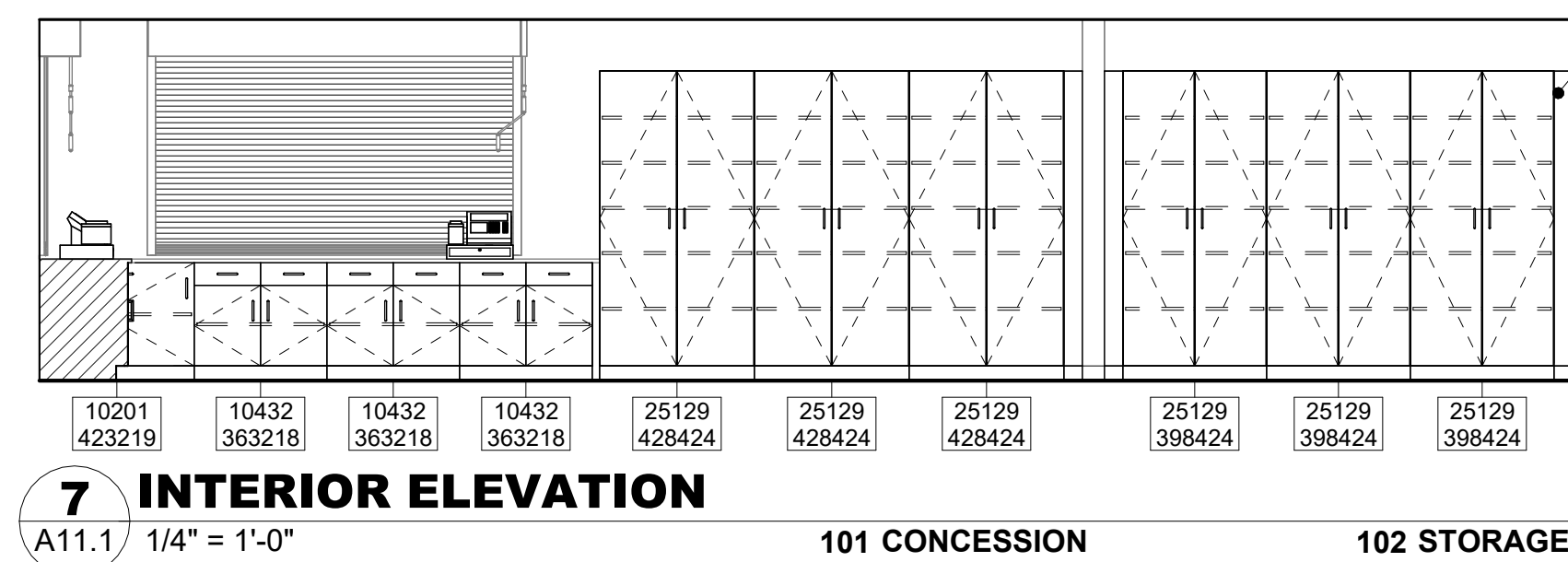
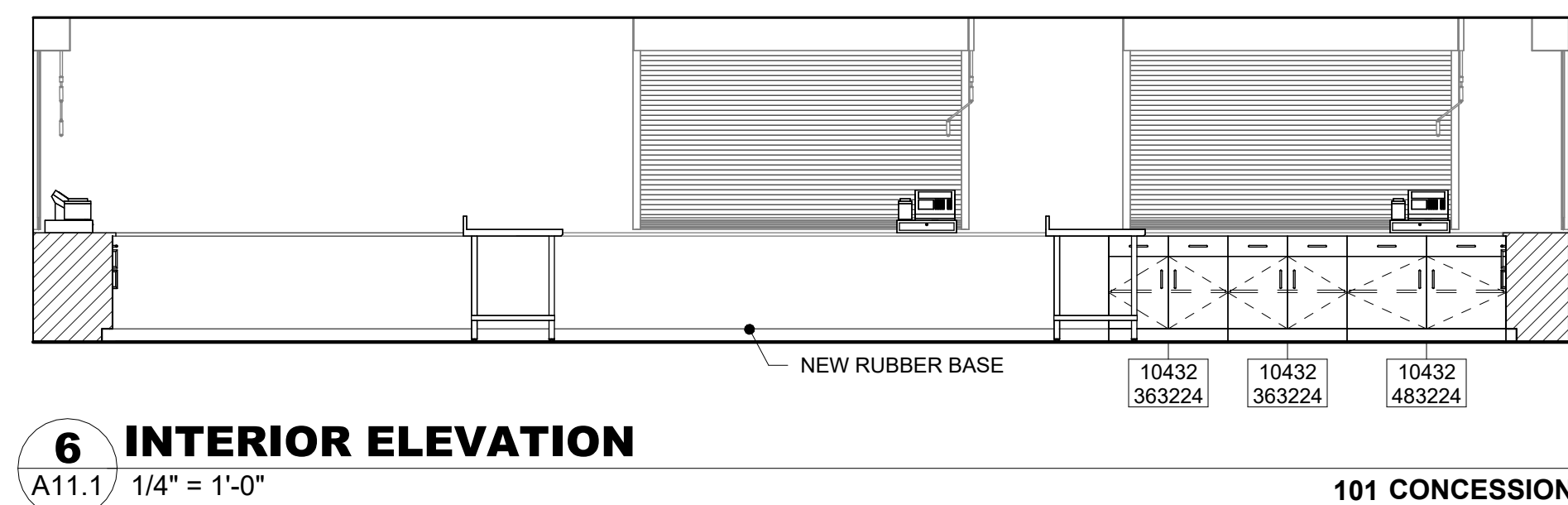
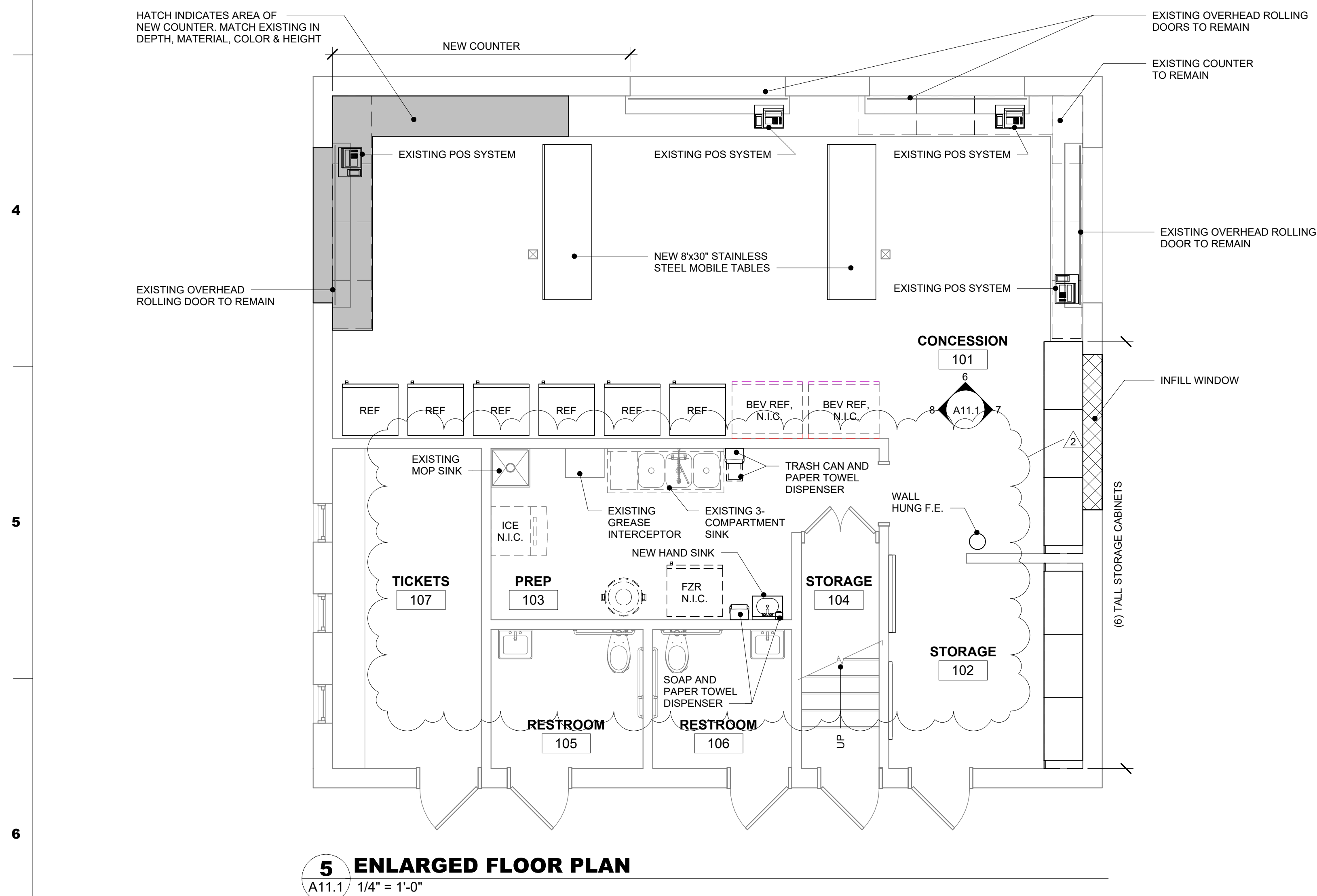
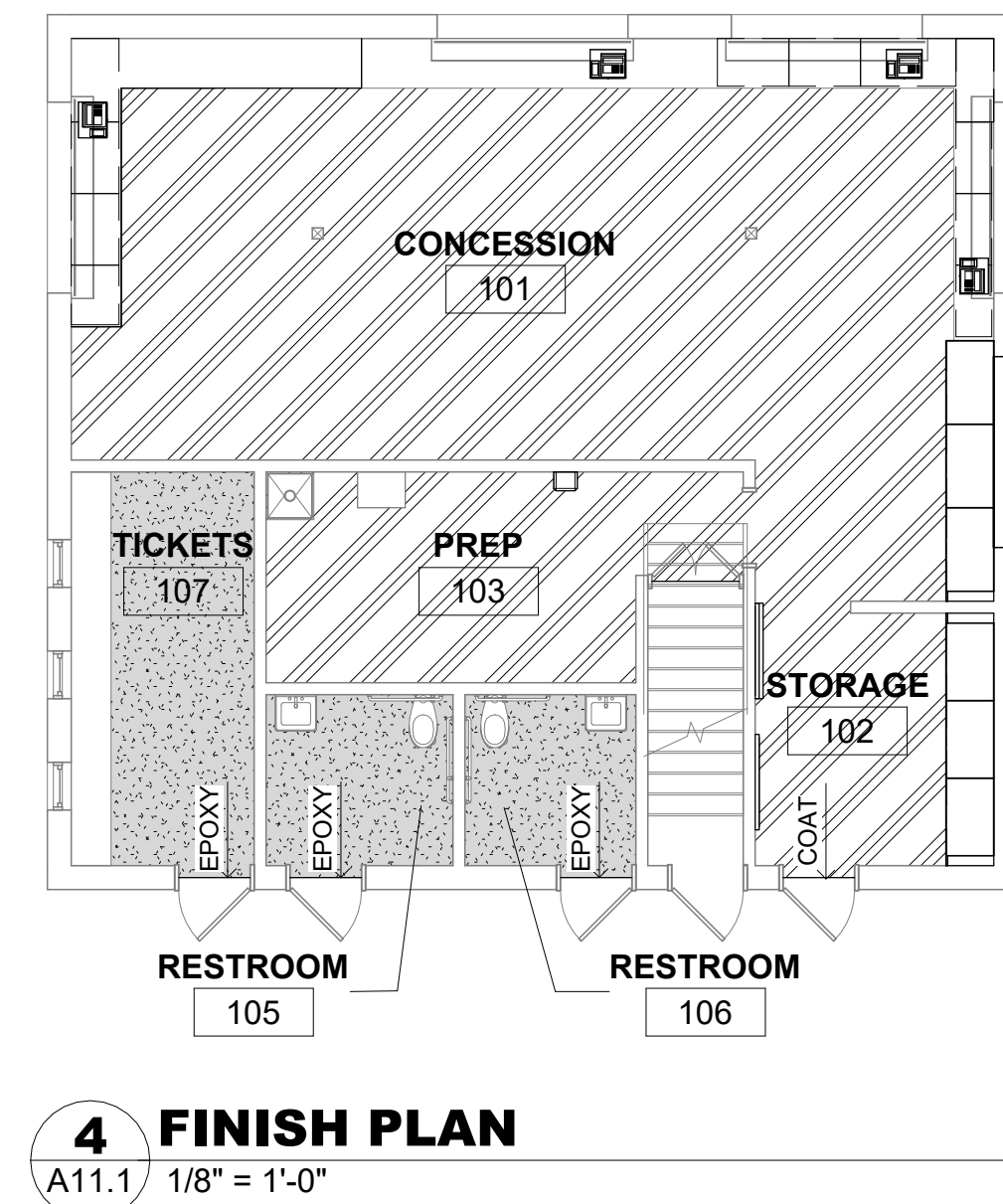
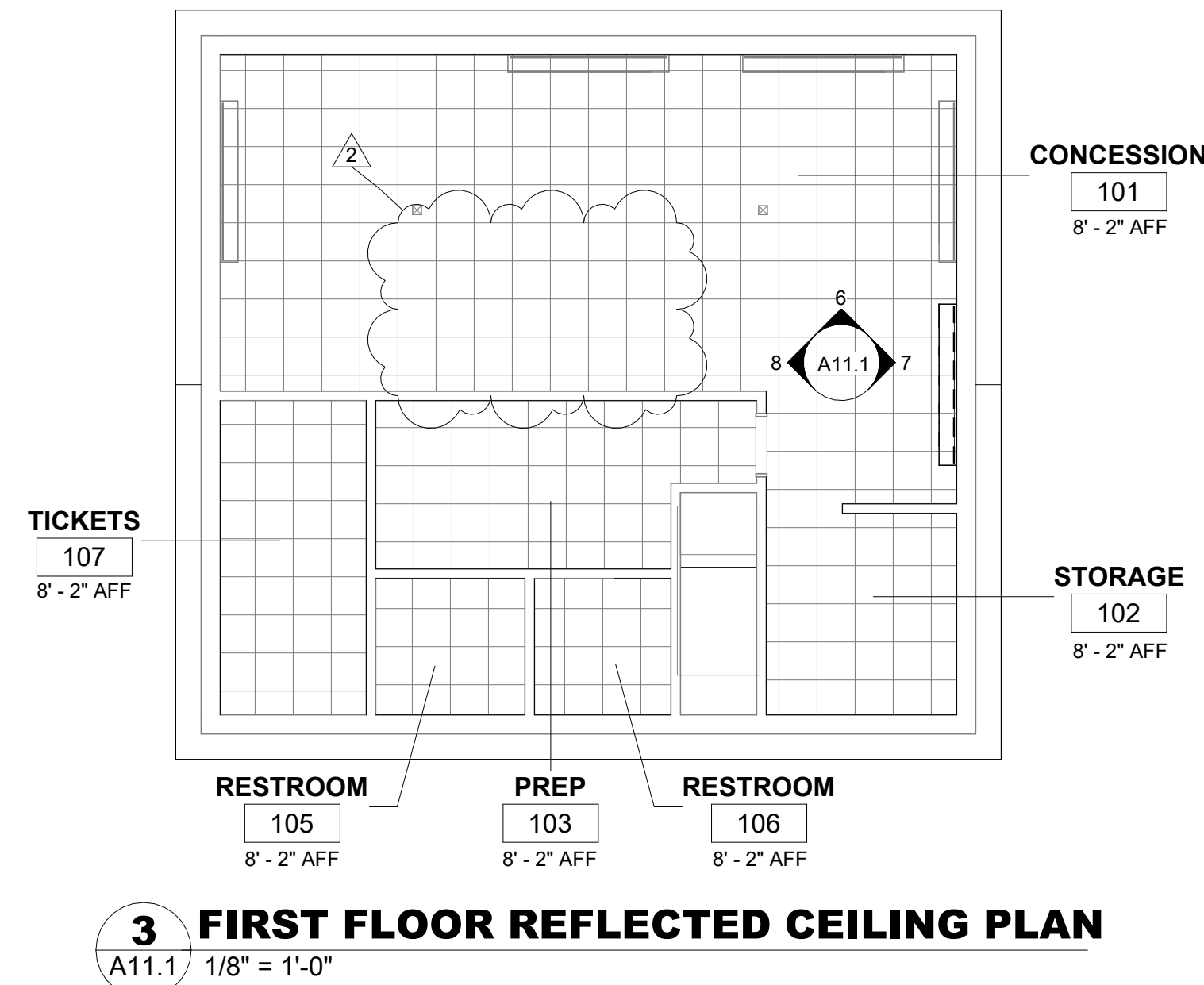
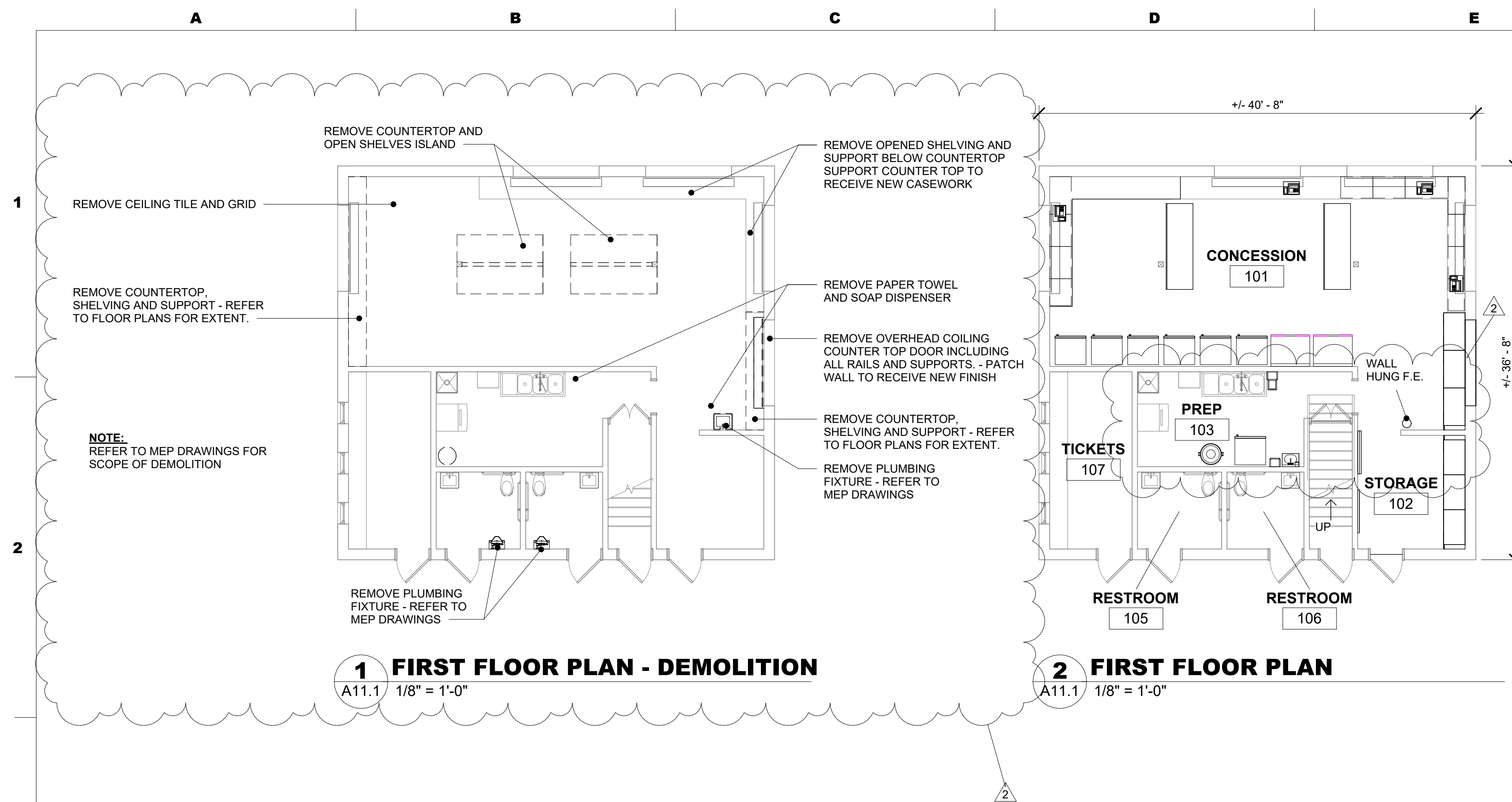
2. Unit Price No. 31B – Open / Bulk Rock Excavation – Machine (GC Only)

- a. Description: Excavation of open/bulk rock by machine, removal to off-site location, replacement with approved structural fill materials, and compaction.
- b. Comply with requirements for Division 31 Section 31 20 00 "Earth Moving".
- c. Unit of Measurement: Cubic yard of Bulk Rock excavated by machine.

3. Unit Price No. 31C – Unsuitable Soils (GC Only)

- a. Description: Removal and disposal of naturally occurring soils identified as unsuitable with compacted suitable soils or engineered fill materials from on or off site, and compaction of replacement materials.
- b. Comply with requirements for Division 31 Section 31 20 00 "Earth Moving".
- c. Unit of Measurement: Cubic yard of unsuitable soil excavated by machine.

END OF SECTION 01 22 00



PAINT


1. ALL PAINT TO BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, SAND LIGHTLY BETWEEN COATS TO ACHIEVE REQUIRED FINISH. ALLOW EACH COAT OF FINISH TO DRY BEFORE THE FOLLOWING COAT IS APPLIED, UNLESS DIRECTED OTHERWISE BY MANUFACTURER. FILL KNOCKS, GOUGES AND OTHER IMPERFECTIONS OF SURFACES WITH LATEX FILLER AND SAND SMOOTH UNTIL FLUSH WITH SURFACE.
2. MATERIALS TO ARRIVE AT JOBSITE IN ORIGINAL, NEW, UNOPENED CONTAINERS BEARING THE MANUFACTURER'S NAME, TRADE NAME AND LABEL ANALYSES. STORE ON SITE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
3. ALL PAINTING TO BE DONE UNDER FINAL LIGHTING CONDITIONS.
4. FINISHED PAINTED SURFACES SHALL BE OF UNIFORM COLOR, APPEARANCE AND FINISH WITHOUT DRIPS, RUNS OR SMUDGES.
5. WHERE GRILLES OR DIFFUSERS OCCUR IN CEILING OR WALL, CONFIRM WITH PROFESSIONAL PRIOR TO PAINTING TO MATCH EXISTING ADJACENT SURFACES.
6. REMOVE OR OTHERWISE PROTECT FINISH HARDWARE, ACCESSORIES, PLATES, LIGHTING FIXTURES AND SIMILAR ITEMS BEFORE PAINTING.
7. DO NOT PAINT ANY MOVING PARTS OR OPERATION UNITS. CODE-REQUIRED LABELS AND EQUIPMENT IDENTIFICATIONS.
8. PAINT AREAS BEHIND MOVEABLE SURFACE (E.G. INSIDE CABINETS AND BACKS OF ACCESS PANELS). COORDINATE WITH ARCHITECT PRIOR TO START OF WORK.
9. REPAINT OR REFINISH PAINTED SURFACES DAMAGED BY SUBSEQUENT WORK.
10. ALL EXPOSED NON-GALVANIZED DECK IS TO BE PRIMED AND PAINTED.


GENERAL FINISH NOTES

1. CONTRACTOR SHALL FLASH DOORS TO ALLOW FOR A LEVEL FLOOR FINISH BETWEEN CONC AND ADJACENT FINISHES SUCH AS EPOXY AND EXISTING FLOORING THAT WILL REMAIN.
2. ALL EXPOSED STEEL TO BE PAINTED FINISH. VERIFY COLOR IN FIELD WITH OWNER AND ARCHITECT.
3. ALL COLORS TO BE CONFIRMED DURING THE SUBMITTAL PROCESS.
4. ALL PAINT COLORS ARE PLACE-HOLDERS. EXACT COLOR SELECTIONS WILL BE CONFIRMED DURING THE SUBMITTAL PROCESS WITH DRAWDOWNS.
5. SUBMIT SAMPLES OF ALL SPECIFIED FINISHES AND COLORS FOR ARCHITECT'S APPROVAL PRIOR TO EXECUTION OF WORK.
6. ARCHITECT SHALL INTERPRET THE AESTHETIC MATCH OF THE CONTROL SAMPLES THEY POSSESS, AND THEIR ACCEPTANCE OR REJECTION OF THE SAMPLES OFFERED IS FINAL.
7. STARTING OF FINISH WORK SHALL INDICATE APPLICATOR'S ACCEPTANCE OF SUBSTRATE.
8. ENSURE ALL SURFACES TO RECEIVE FINISH ARE CLEAN, TRUE AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
9. CONCRETE SLAB TO BE FLASH PATCHED AS REQUIRED TO RECEIVE NEW FLOOR FINISH.
10. UPON RECEIPT FROM MANUFACTURER, THE INSTALLER SHALL INSPECT ALL MATERIAL FOR DEFECTS, SHIPPING DAMAGE, FLAWS, CORRECT COLOR AND PATTERN. DAMAGED OR INCORRECT MATERIALS SHALL BE SENT BACK TO THE MANUFACTURER FOR IMMEDIATE REPLACEMENT.
11. WHERE TWO FLOOR FINISHES MEET AT A DOORWAY, THE TRANSITION MUST OCCUR ON THE CENTERLINE OF THE DOOR IN ITS CLOSED POSITION.
12. EXTEND FLOOR FINISH UNDER OPEN-BOTTOM AND RAISED BOTTOM OBSTRUCTIONS. EXTEND FINISH INTO CLOSETS AND ALCOVE AREAS AS INDICATED. UNLESS OTHERWISE INDICATED FOR THAT AREA.
13. APPLY RUBBER BASE LONG WHERE SCHEDULED TO WALLS, COLUMNS AND OTHER PERMANENT FIXTURES IN ROOMS OR AREAS WHERE SPECIFIED. INSTALL BASE IN AS LONG LENGTHS AS PRACTICAL. TIGHTLY BOND TO BACKING THROUGHOUT THE LENGTH AND HEIGHT OF EACH PIECE, WITH CONTINUOUS CONTACT AT VERTICAL AND HORIZONTAL SURFACES. RUBBER CORNERS TO BE PRE-MOLDED, TYPICAL THROUGHOUT.
14. PRIOR TO OCCUPANCY, THE CONTRACTOR SHALL CLEAN ALL FINISHES OF DUST, DEBRIS, LOOSE CONSTRUCTION MATERIALS & EQUIPMENT.
15. MAINTENANCE MATERIALS: DELIVER USEABLE SAMPLES OF CARPET, VINYL TILE, AND OTHER FINISH MATERIALS TO OWNER'S DESIGNATED STORAGE SPACE, PROPERLY PACKAGED (PAPER WRAPPED) AND IDENTIFIED.
16. ALL EXPOSED DUCTWORK TO BE PAINTED BY G.C.
17. TYPICAL THROUGHOUT - HOLLOW METAL FRAMES TO BE PAINTED PNT-7
18. PROVIDE TRANSITION STRIPS, AS REQUIRED, AT INTERSECTION OF DIFFERENT FLOORING MATERIALS.

FINISH LEGEND

FLOOR FINISHES

 **EPOXY**
EPOXY

 **COAT**
CONCRETE COATING

BASE FINISHES

PLASTIC LAMINATES

PAINT



1. REMOVE PLUMBING FIXTURE AND ALL ASSOCIATED WATER AND DRAIN PIPING. ABANDON AND CAP DRAIN PIPING BELOW FLOOR.
2. REMOVE WALL HYDRANT AND ALL ASSOCIATED PIPING. PATCH AND REPAIR WALL TO MATCH EXISTING SURROUNDINGS.
3. REMOVE FLOOR DRAIN AND PIPING TO BELOW FLOOR AND CAP.
4. REMOVE EXTERIOR IRRIGATION HOSE CONNECTION. PATCH AND REPAIR WALL TO MATCH EXISTING SURROUNDINGS.
5. REMOVE WATER HEATER AND ALL ASSOCIATED PIPING.
6. REMOVE TRAP, BACKWATER VALVE AND PIPING TO E REPLACE.

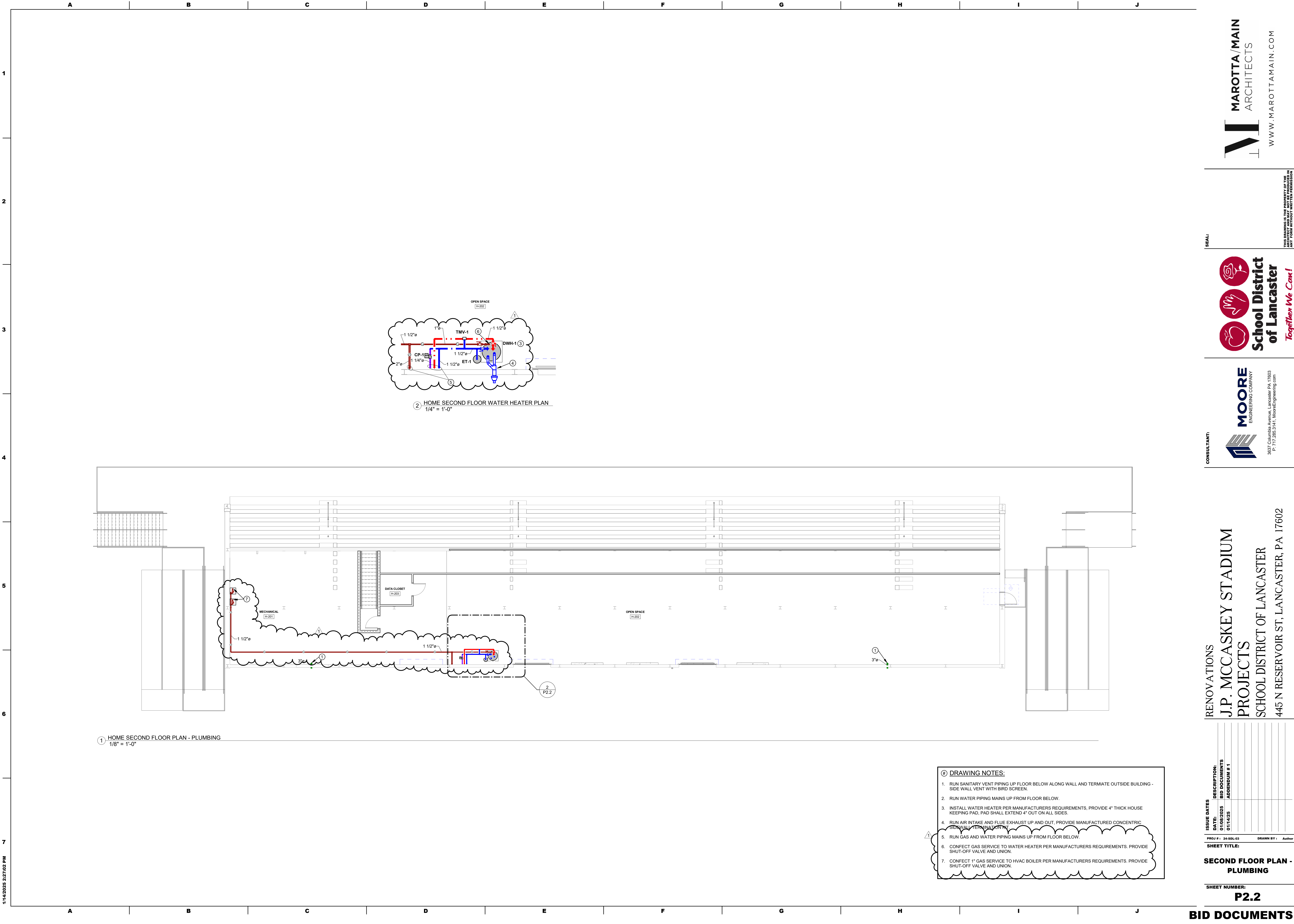
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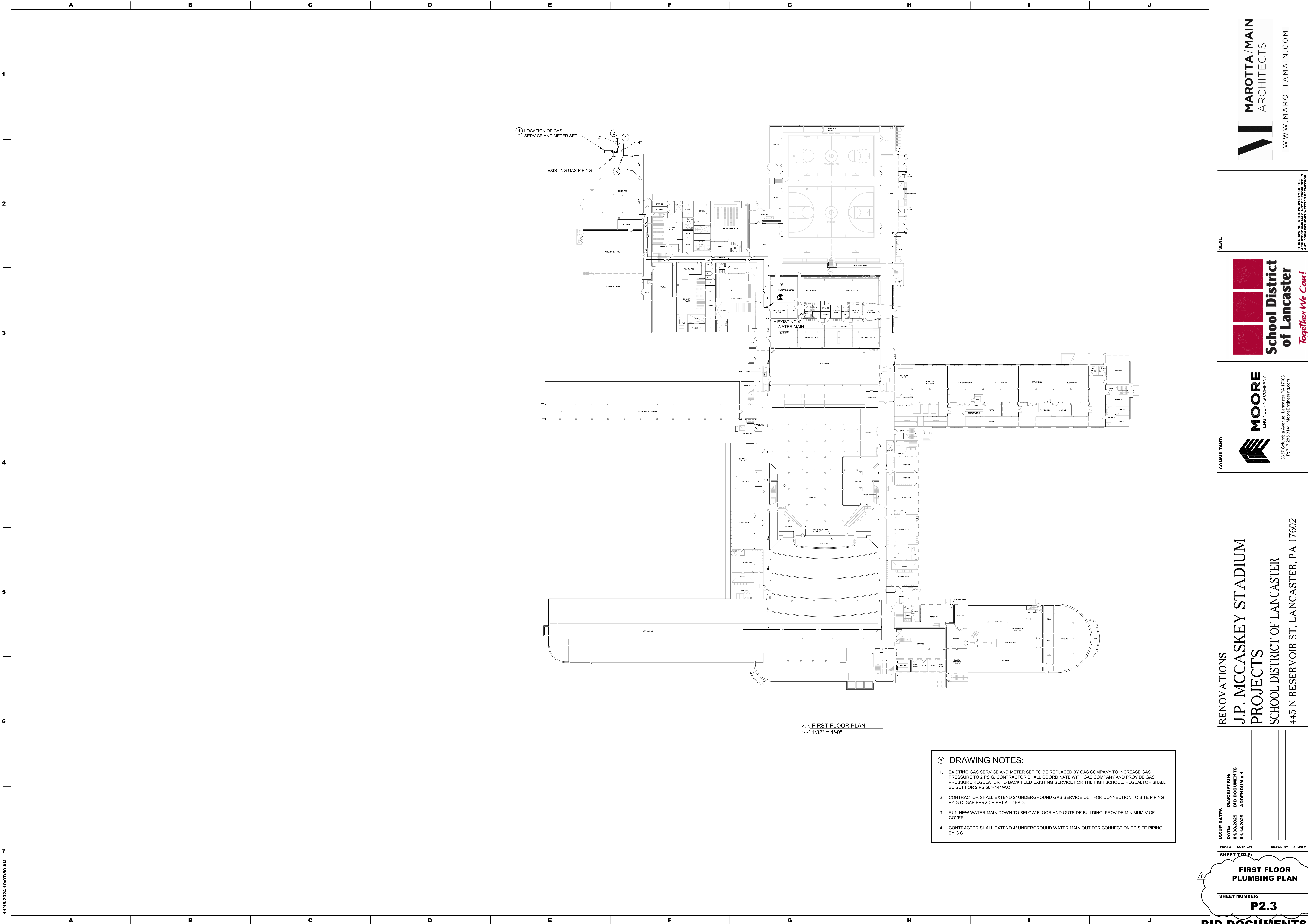
FIRST FLOOR PLANS - PLUMBING

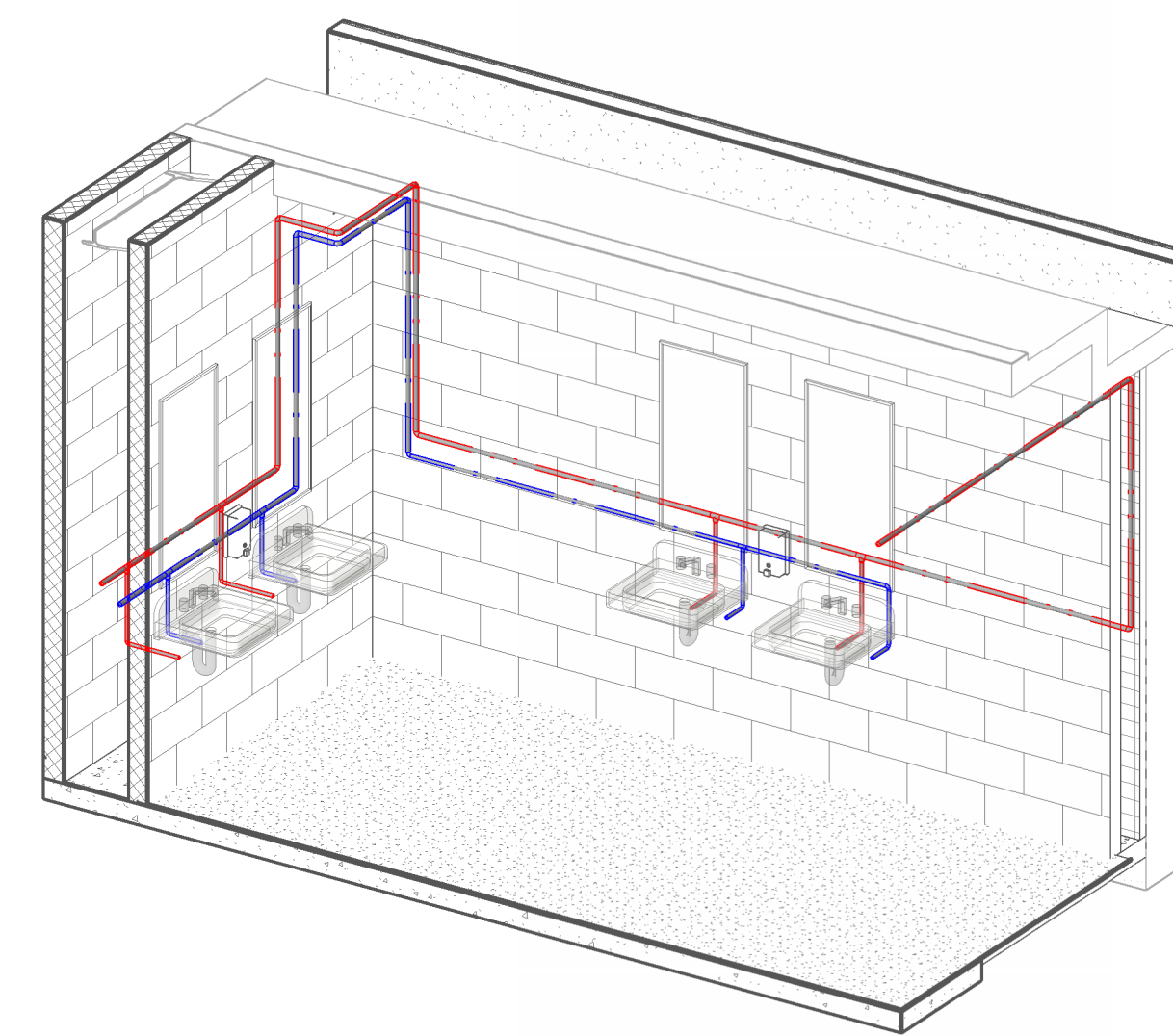
BID DOCUMENTS



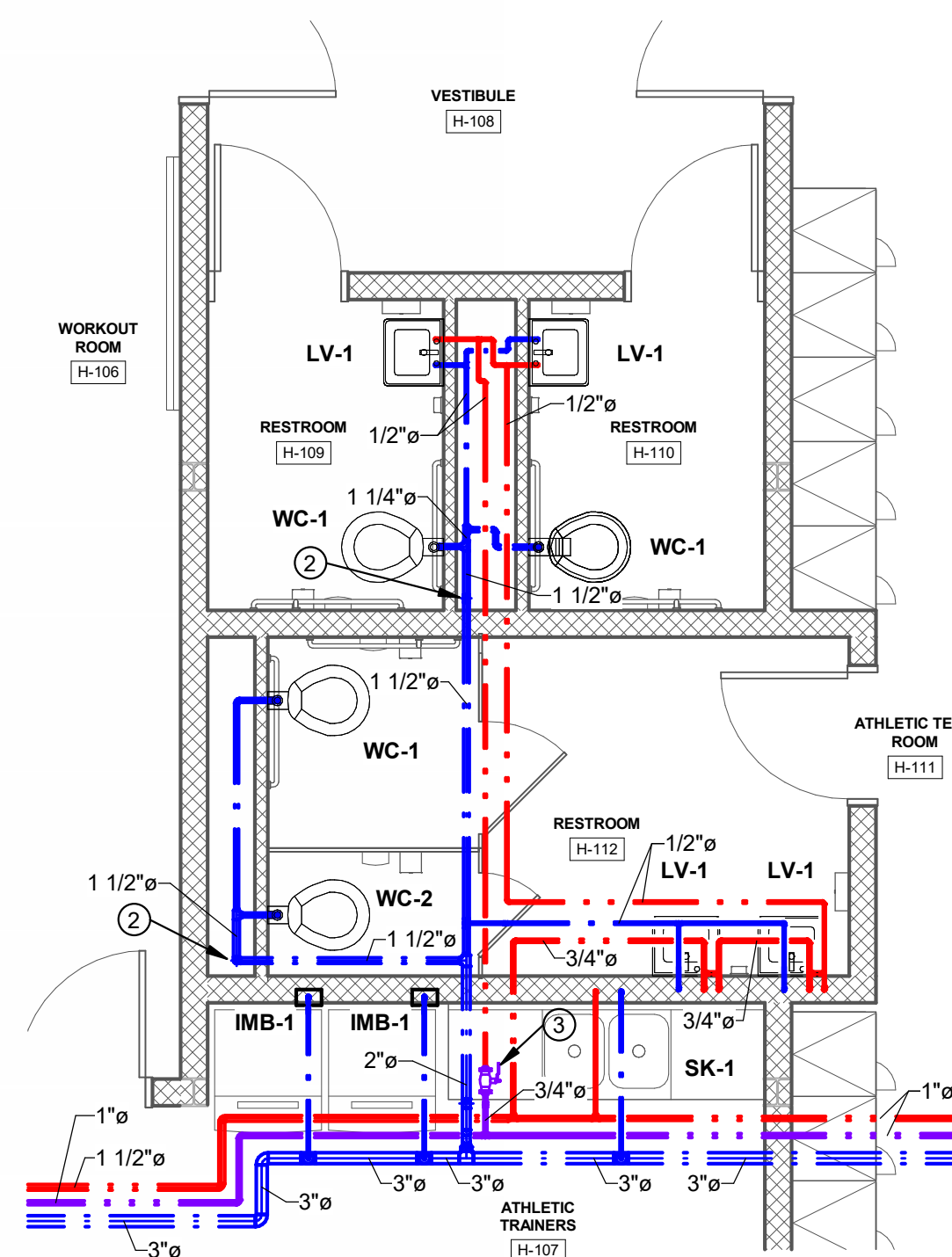
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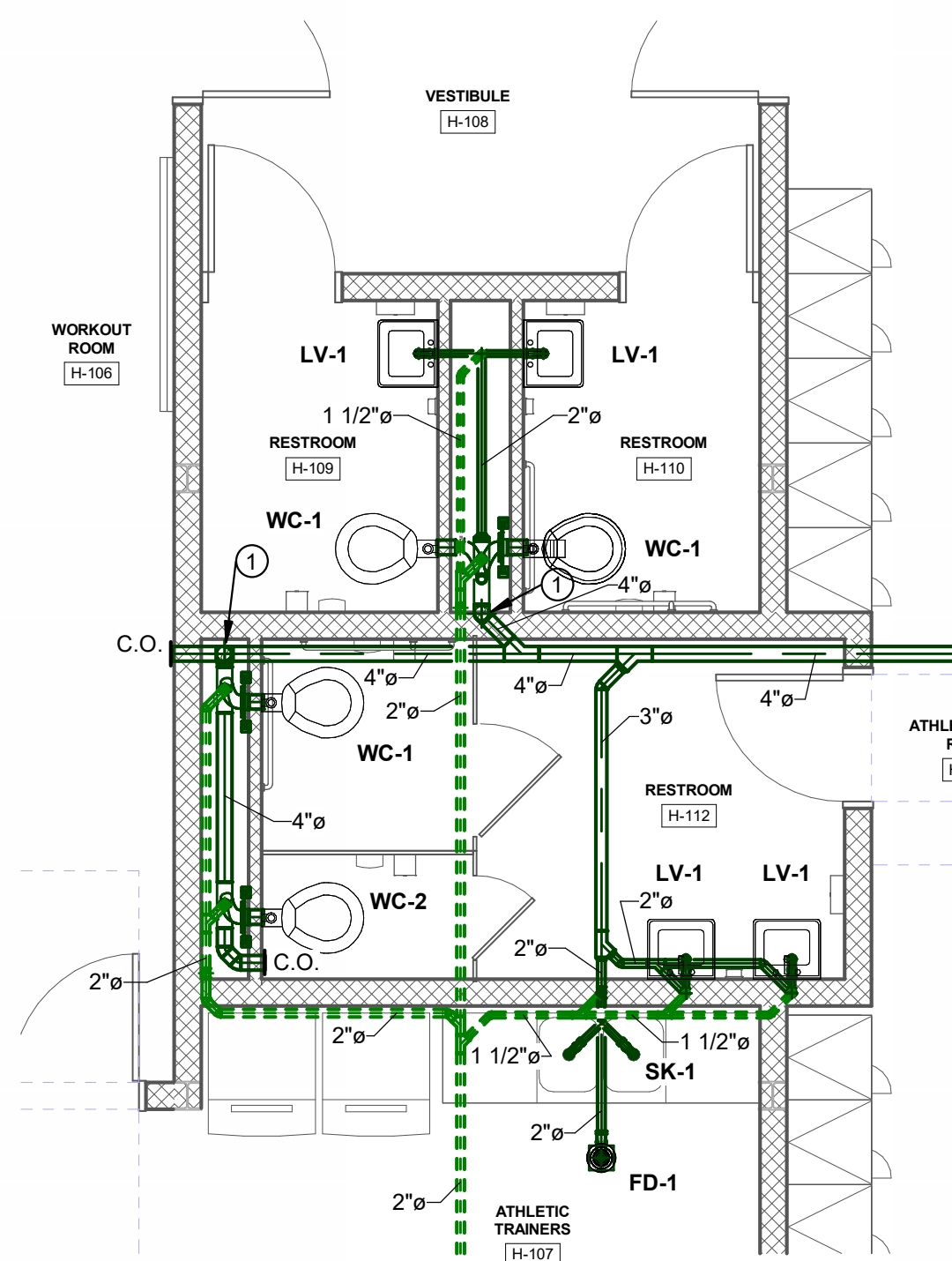




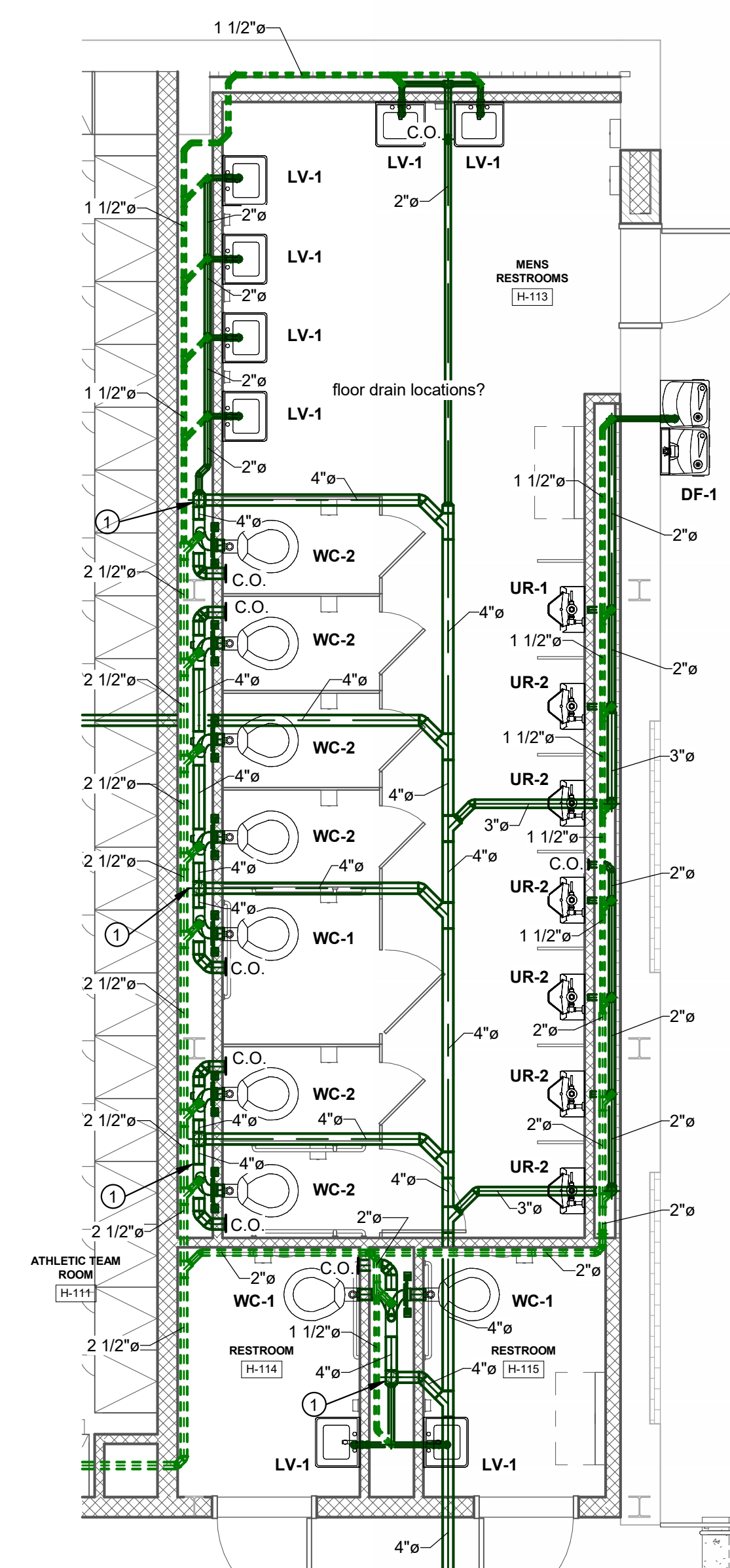
5 LAVATORY WATER PIPING DETAIL



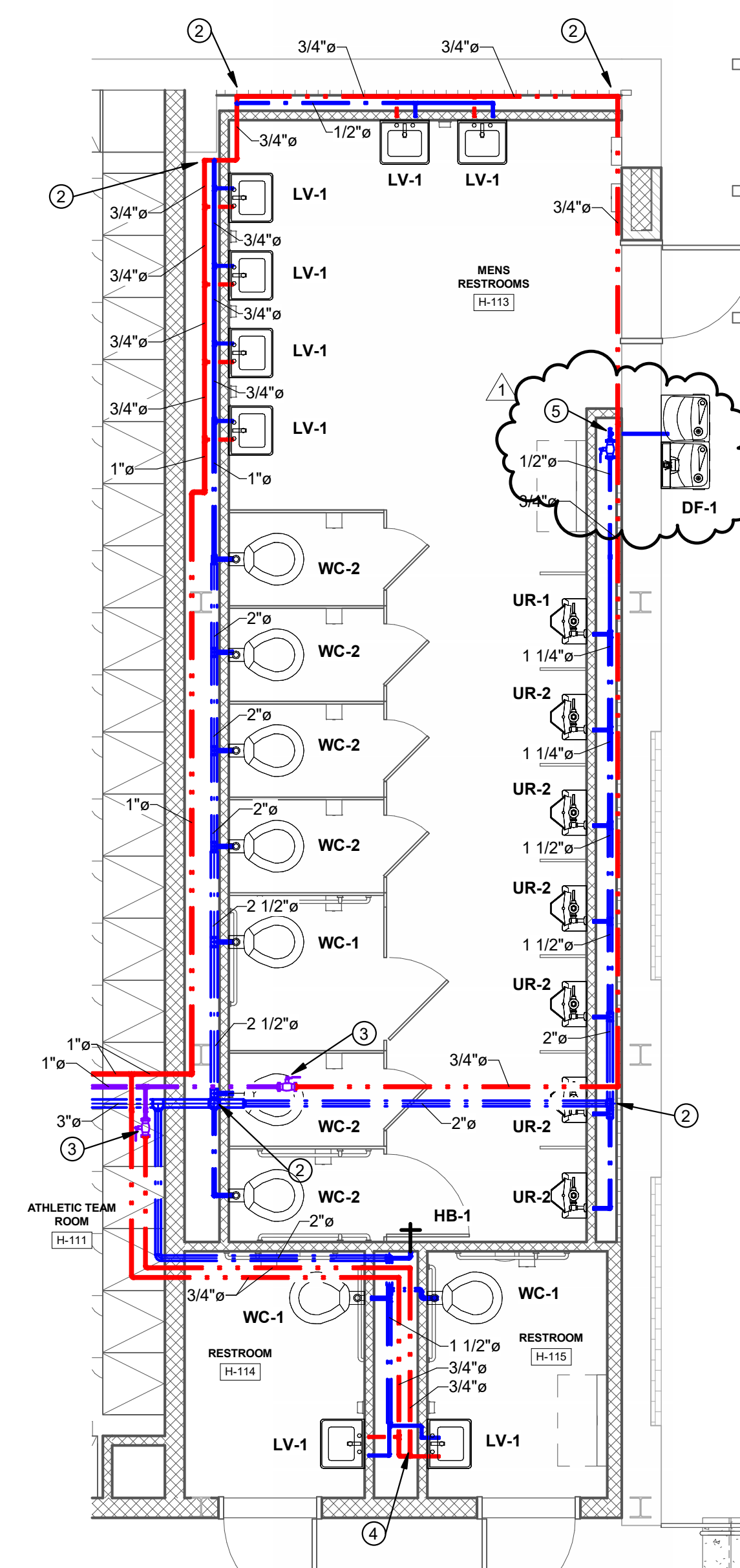
4 ATHLETIC TEAM RESTROOMS WATER PIPING PLAN
1/4" = 1'-0"



③ ATHLETIC TEAM RESTROOMS DRAIN PIPING PLAN
1/4" = 1'-0"

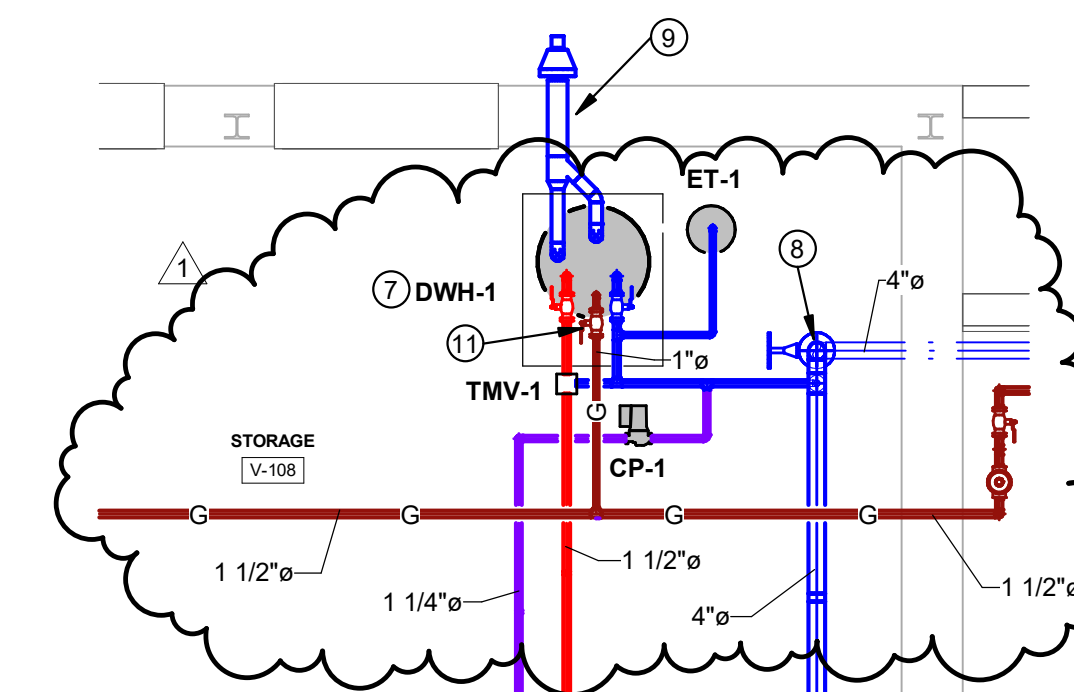
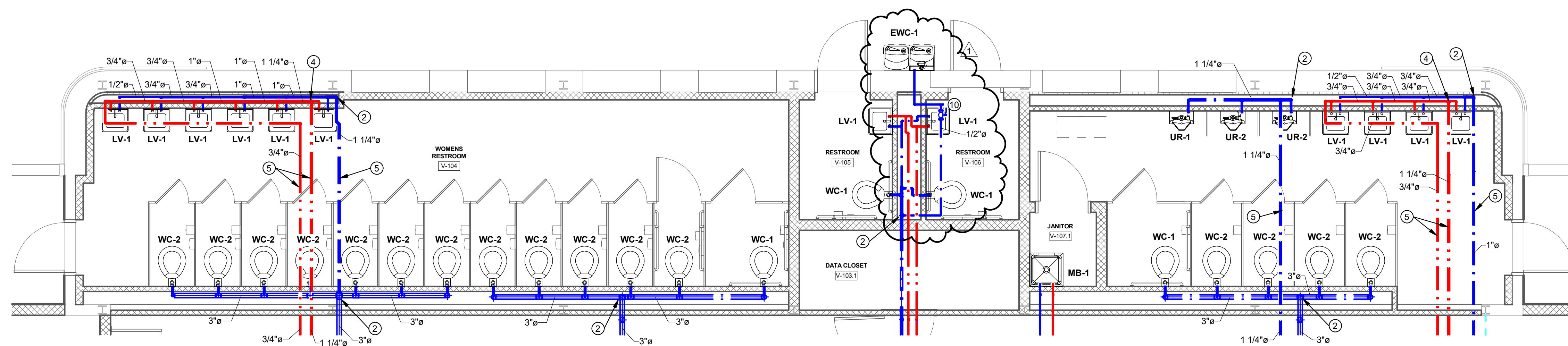
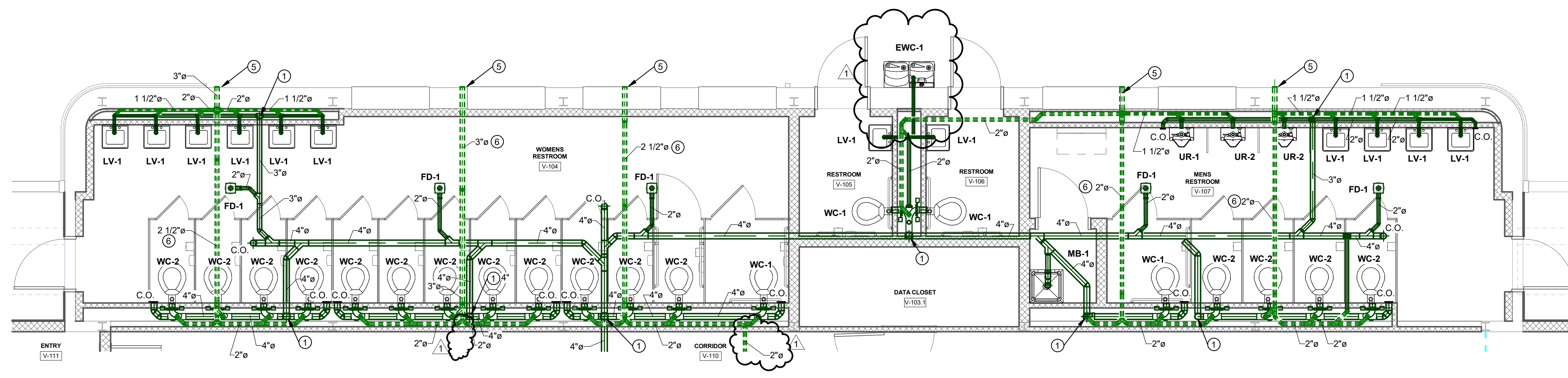
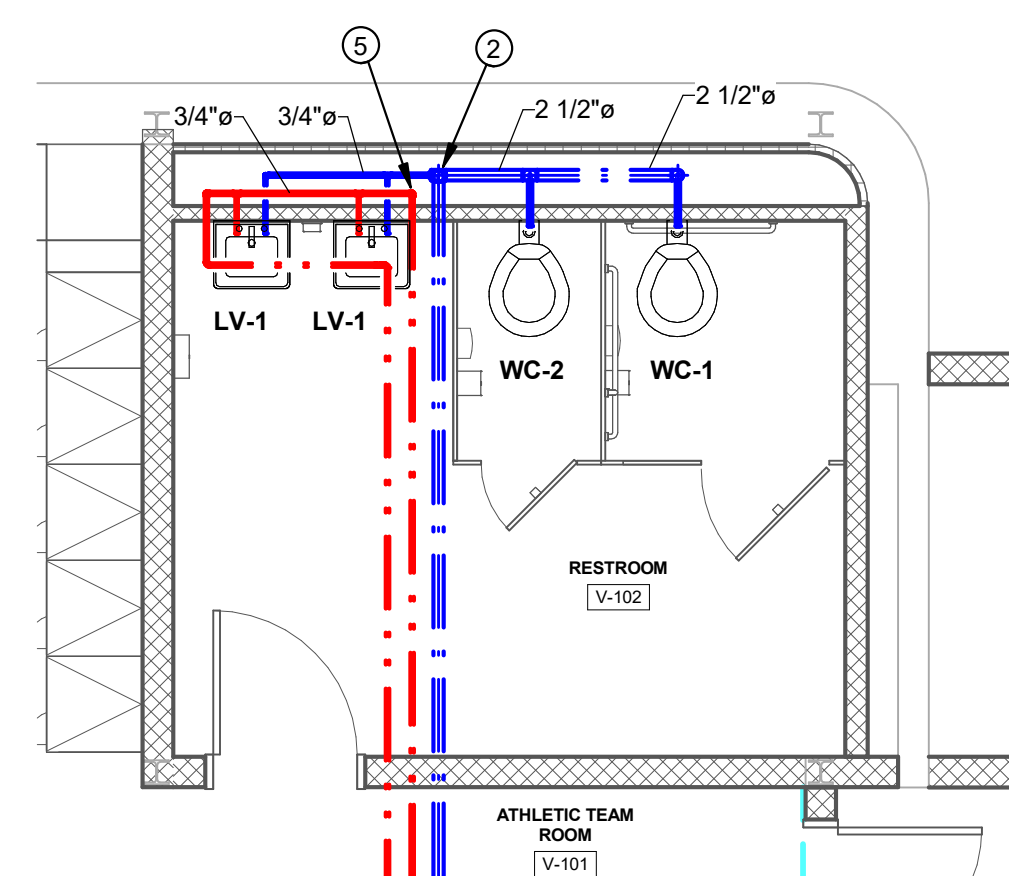
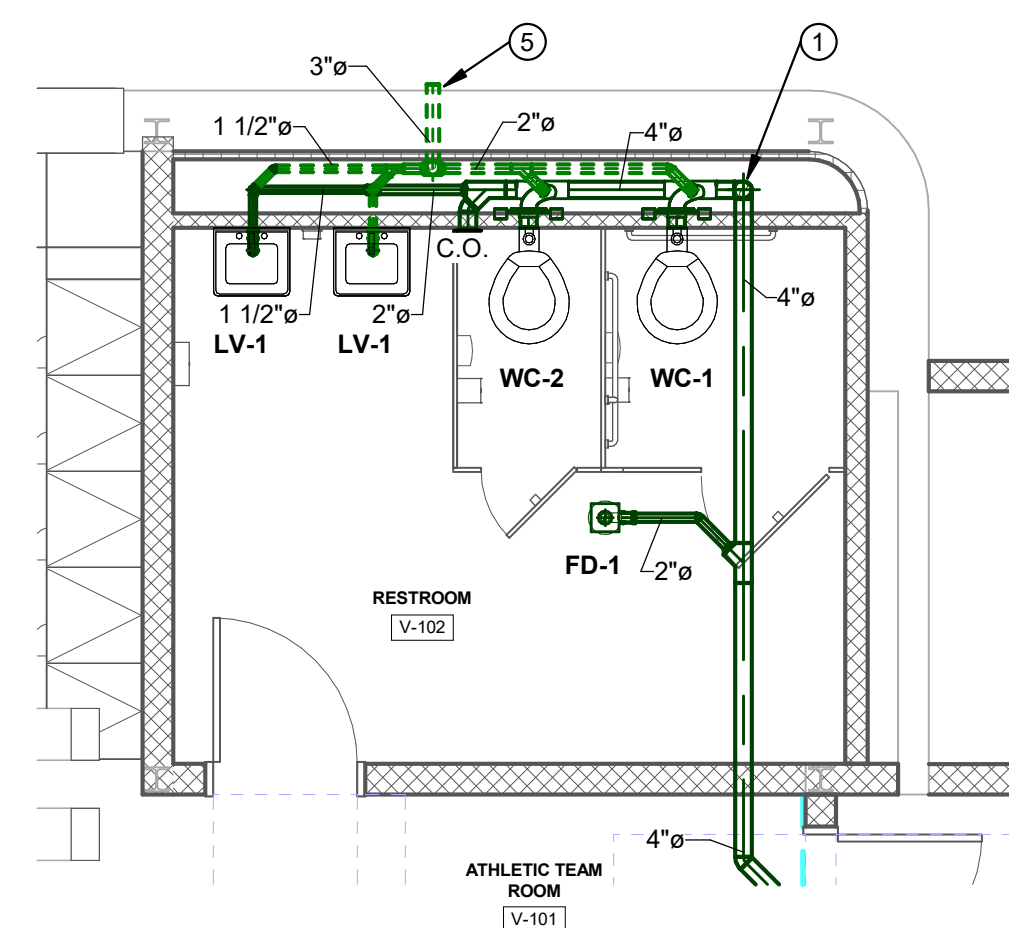


① MENS RESTROOM H-113 DRAIN PIPING PLAN
1/4" = 1'-0"



2 MENS RESTROOM H-113 WATER PIPING PLAN
1/4" = 1'-0"

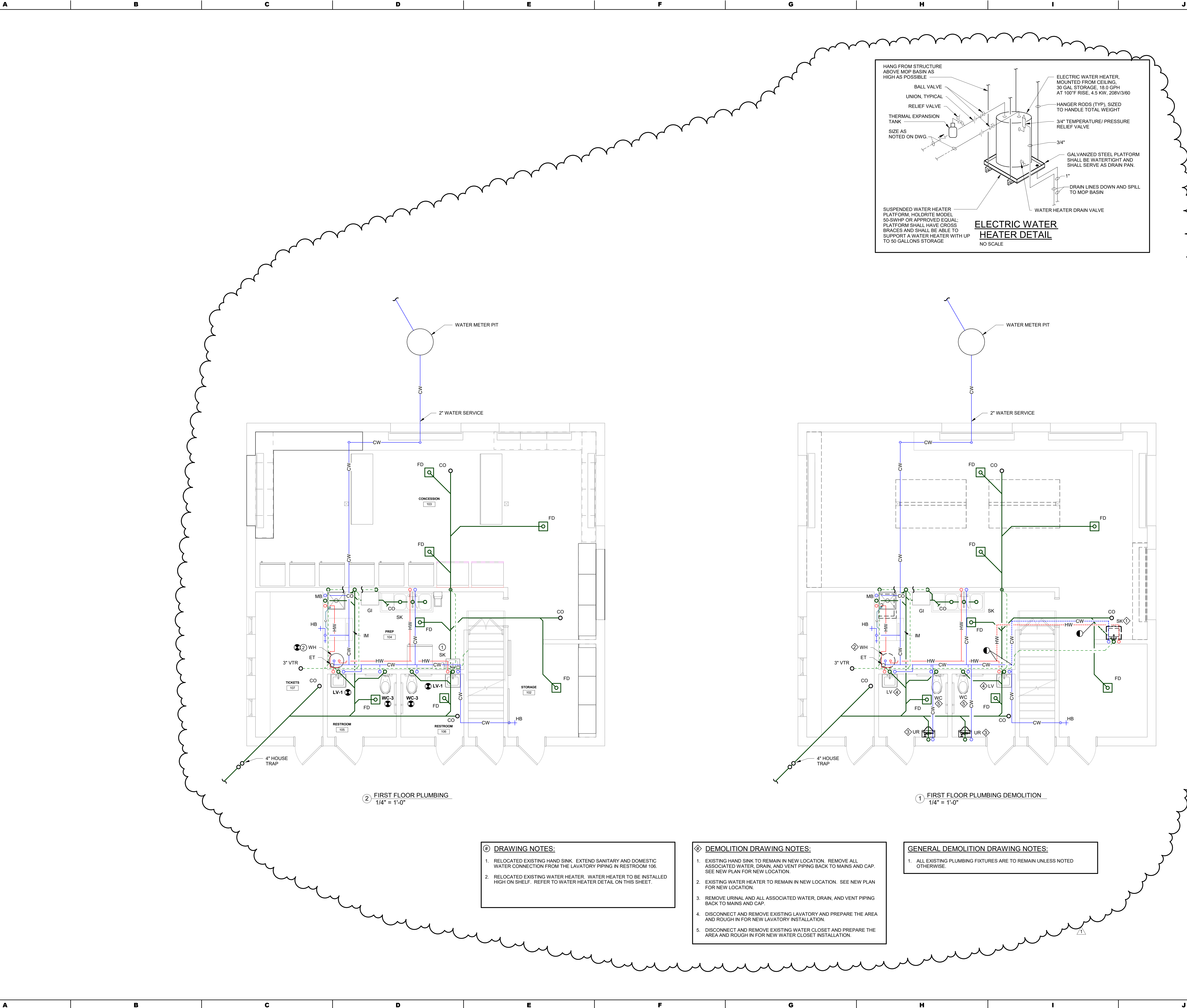
- # DRAWING NOTES:
1. RUN PIPING DOWN TO BELOW FLOOR.
 2. RUN PIPING DOWN INTO CHASE SPACE.
 3. INSTALL SHUT-OFF VALVE, BALANCING VALVE AND CHECK VALVE, REFER TO DETAIL.
 4. OPERATE PIPING DOWN TO ANCHORS, REFER TO DETAIL.
 5. PROVIDE VALVE AND BLOW OUT PORT FOR WINTERIZING WATER COOLER.



- # DRAWING NOTES:**
1. RUN PIPING DOWN TO BELOW FLOOR.
 2. RUN PIPING DOWN INTO CHASE SPACE.
 3. INSTALL SHUT-OFF VALVE, BALANCING VALVE AND CHECK VALVE. REFER TO DETAIL.
 4. CIRCULATE HW PIPING DOWN TO LAVATORY, REFER TO DETAIL.
 5. SIDE WALL SANITARY VENT WITH BIRD SCREEN.
 6. RUN PIPING WITH SLOPE OF STRUCTURE.
 7. INSTALL WATER HEATER PER MANUFACTURERS REQUIREMENTS, PROVIDE 4" THICK HOUSE KEEPING PAD, PAD SHALL EXTEND 4" OUT ON ALL SIDES.
 8. RUN WATER PIPING MAIN UP THRU FLOOR, PROVIDE SHUT-OFF VALVE IN VERTICAL RISER.
 9. RUN AIR INTAKE AND FLUE EXHAUST UP AND OUT, PROVIDE MANUFACTURED CONCENTRIC SIDEWALL TERMINATION KIT.
 10. PROVIDE VALVE AND BLOW OUT PORT FOR WINTERIZING WATER COOLER.
 11. CONNECT GAS SERVICE TO WATER HEATER PER MANUFACTURERS REQUIREMENTS. PROVIDE SHUT-OFF VALVE AND UNION.

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- ④ **DRAWING NOTES:**
1. RELOCATED EXISTING HAND SINK. EXTEND SANITARY AND DOMESTIC WATER CONNECTION FROM THE LAVATORY PIPING IN RESTROOM 106.
 2. RELOCATED EXISTING WATER HEATER. WATER HEATER TO BE INSTALLED HIGH ON SHELF. REFER TO WATER HEATER DETAIL ON THIS SHEET.

- ◆ **DEMOLITION DRAWING NOTES:**
1. EXISTING HAND SINK TO REMAIN IN NEW LOCATION. REMOVE ALL ASSOCIATED WATER, DRAIN, AND VENT PIPING BACK TO MAINS AND CAP. SEE NEW PLAN FOR NEW LOCATION.
 2. EXISTING WATER HEATER TO REMAIN IN NEW LOCATION. SEE NEW PLAN FOR NEW LOCATION.
 3. REMOVE URINAL AND ALL ASSOCIATED WATER, DRAIN, AND VENT PIPING BACK TO MAINS AND CAP.
 4. DISCONNECT AND REMOVE EXISTING LAVATORY AND PREPARE THE AREA AND ROUGH IN FOR NEW LAVATORY INSTALLATION.
 5. DISCONNECT AND REMOVE EXISTING WATER CLOSET AND PREPARE THE AREA AND ROUGH IN FOR NEW WATER CLOSET INSTALLATION.

- GENERAL DEMOLITION DRAWING NOTES:**
1. ALL EXISTING PLUMBING FIXTURES ARE TO REMAIN UNLESS NOTED OTHERWISE.

SEAL:

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MAROTTA/MAIN ARCHITECTS

WWW.MAROTTAMAIN.COM

School District of Lancaster

Together We Can!

MOORE ENGINEERING COMPANY

3637 Columbia Avenue, Lancaster, PA 17603
P: 717.283.3141, mooreengineering.com

RENOVATIONS

J.P. MCCASKEY STADIUM

PROJECTS

SCHOOL DISTRICT OF LANCASTER

445 N RESIVIOR ST., LANCASTER, PA 17602

ISSUE DATES	DESCRIPTION
DATE: 01/05/2025	PERMIT SET
01/14/25	Addendum 1

PROJ #1: 24-50L-03 DRAWN BY: Author

SHEET TITLE:

CONCESSION STAND PLANS - PLUMBING

SHEET NUMBER:

P5.1

PERMIT SET