



**Questar III BOCES
RHG Warehouse Conversion
SED Control No. 49-90-00-00-0-039-003
BCA Project No. 2023-038**

**Bid Addendum No. 2
April 05, 2024**

This addendum is hereby made part of the Contract Documents as though it were originally included therein. It modifies the following documents:

Original Project Manual and Drawings dated 03/08/2024.
Addendum No. 1 dated 04/01/2024.

All Bidders must acknowledge receipt of this Addendum in the space provided on the Form of Proposal.

CLARIFICATIONS:

- A. Concrete Floor Thickness (RFI PC-003)
 - a. Based on available existing drawings provided by the Owner the concrete slab is assumed to be 5” thick with one layer of 6x6x10/10WWF, 6 mil poly vapor barrier, and 8” granular fill.
- B. Utility Fees & Temporary Service (RFI EC-008)
 - a. Use Owner’s existing utilities at no additional change in contract sum. The Owner will be responsible for use charges.
 - b. The requirement for temporary electrical service is not anticipated at this time. The existing service can remain in place and functional until the new service is installed and ready to be changed over.

NEW SPECIFICATION SECTIONS:

01 2300 Alternates

REISSUED SPECIFICATION SECTIONS:

01 1000 Table of Contents
01 1000 Form of Proposal: Contract No. 1 – General Construction
12 2400 Summary
12 2400 Window Shades
22 0719 Plumbing Piping Insulation

REISSUED 24" x 36" DRAWINGS:

S100	FLOOR SLAB RECONSTRUCTION PLAN
S103	STRUCTURAL DETAILS
AD100	DEMOLITION PLANS
AD500	DEMOLITION ELEVATIONS
A100	FIRST FLOOR PLAN & REFLECTED CEILING PLAN
A200	ENLARGED TOILET ROOM PLANS AND ELEVATIONS
A210	CASEWORK ELEVATIONS AND SCHEDULES
A400	ROOF PLAN & DETAILS
A500	EXTERIOR ELEVATIONS
A600	BUILDING CROSS SECTIONS
A610	WALL SECTIONS
A700	DETAILS
A701	DETAILS
A800	DOOR SCHEDULE, ELEVATIONS AND DETAILS
A801	WINDOW SCHEDULE, ELEVATIONS AND DETAILS
A900	FINISH PLAN
A902	EQUIPMENT AND FURNITURE LAYOUT PLAN & SCHEDULES

REVISIONS TO THE PROJECT MANUAL:

- A. Refer to Specification Section *Table of Contents*; **DELETE** in its entirety and **REPLACE** with the attached *Table of Contents*.
- B. Refer to Specification Section *Form of Proposal: Contract No. 1 – General Construction*; **DELETE** in its entirety and **REPLACE** with the attached *Form of Proposal: Contract No. 1 – General Construction*.
- C. Refer to Specification Section *01 1000 Summary*; **DELETE** in its entirety and **REPLACE** with the attached *01 1000 Summary*.
- D. **ADD** the following Specification Section attached as part of this addendum: *01 2300 Alternates*.
- E. Refer to Specification Section *12 2400 Window Shades*; **DELETE** in its entirety and **REPLACE** with the attached *12 2400 Window Shades*.
- F. Refer to Specification Section *22 0719 Plumbing Piping Insulation*; **AMEND** as follows:
 - a. Part 3, 3.06, B, **ADD** the following:
 - “5. Cold Condensate Piping:
 - a. Flexible Elastomeric Cellular Rubber Insulation:
 - 1) Pipe Size Range: All sizes.
 - (a) Thickness: 1/2 inch.”
- G. Refer to Specification Section *23 0713 Duct Insulation*; **AMEND** as follows:
 - a. Part 3, 3.03, C, **ADD** the following:
 - “5. Exposed exterior to building:
 - a. Elastomeric Foam Insulation.
 - 1) Minimum Thickness: 3-1/2 inches.
 - 2) Minimum R value: R-12.
 - 3) Jacket Type: Aluminum Jacket.”
- H. Refer to Specification Section *23 0719 HVAC Piping Insulation*; **AMEND** as follows:
 - a. Part 2, 2.05, **DELETE** Section A in its entirety.
 - b. Part 3, 3.03, A, 1, a, **ADD** the following:
 - “ 3) Exterior Piping Jacket Type: Aluminum Jacket.”

REVISIONS TO THE CONTRACT DRAWINGS:

- A. Refer to Drawing *S100 FLOOR SLAB RECONSTRUCTION PLAN*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *S100 FLOOR SLAB RECONSTRUCTION PLAN* issued as part of this addendum.
- B. Refer to Drawing *S103 STRUCTURAL DETAILS*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *S103 STRUCTURAL DETAILS* issued as part of this addendum.
- C. Refer to Drawing *AD100 DEMOLITION PLANS*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *AD100 DEMOLITION PLANS* issued as part of this addendum.
- D. Refer to Drawing *AD500 DEMOLITION ELEVATIONS*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *AD500 DEMOLITION ELEVATIONS* issued as part of this addendum.
- E. Refer to Drawing *A100 FIRST FLOOR PLAN & REFLECTED CEILING PLAN*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *A100 FIRST FLOOR PLAN & REFLECTED CEILING PLAN* issued as part of this addendum.
- F. Refer to Drawing *A200 ENLARGED TOILET ROOM PLANS AND ELEVATIONS*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *A200 ENLARGED TOILET ROOM PLANS AND ELEVATIONS* issued as part of this addendum.
- G. Refer to Drawing *A210 CASEWORK ELEVATIONS AND SCHEDULES*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *A210 CASEWORK ELEVATIONS AND SCHEDULES* issued as part of this addendum.
- H. Refer to Drawing *A400 ROOF PLAN & DETAILS*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *A400 ROOF PLAN & DETAILS* issued as part of this addendum.
- I. Refer to Drawing *A500 EXTERIOR ELEVATIONS*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *A500 EXTERIOR ELEVATIONS* issued as part of this addendum.
- J. Refer to Drawing *A600 BUILDING CROSS SECTIONS*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *A600 BUILDING CROSS SECTIONS* issued as part of this addendum.
- K. Refer to Drawing *A610 WALL SECTIONS*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *A610 WALL SECTIONS* issued as part of this addendum.
- L. Refer to Drawing *A700 DETAILS*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *A700 DETAILS* issued as part of this addendum.
- M. Refer to Drawing *A701 DETAILS*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *A701 DETAILS* issued as part of this addendum.
- N. Refer to Drawing *A800 DOOR SCHEDULE, ELEVATIONS AND DETAILS*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *A800 DOOR SCHEDULE, ELEVATIONS AND DETAILS* issued as part of this addendum.
- O. Refer to Drawing *A801 WINDOW SCHEDULE, ELEVATIONS AND DETAILS*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *A801 WINDOW SCHEDULE, ELEVATIONS AND DETAILS* issued as part of this addendum.
- P. Refer to Drawing *A900 FINISH PLAN*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *A900 FINISH PLAN* issued as part of this addendum.
- Q. Refer to Drawing *A902 EQUIPMENT AND FURNITURE LAYOUT PLAN & SCHEDULES*; **DELETE** in its entirety and **REPLACE** with the attached Drawing *A902 EQUIPMENT AND FURNITURE LAYOUT PLAN & SCHEDULES* issued as part of this addendum.

END OF ADDENDUM



Please do not hesitate to contact me with any questions on this addendum, thank you.

Respectfully Submitted,
BCA ARCHITECTS & ENGINEERS

A handwritten signature in black ink that reads 'Eric Allen Van Tassel'. The signature is fluid and cursive, with a prominent flourish at the end.

Eric Allen Van Tassel, AIA, NCARB
Senior Project Architect

**SECTION 01 2300
ALTERNATES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Description of Alternates.
- B. Procedures for pricing Alternates.

1.02 ACCEPTANCE OF ALTERNATES

- A. The Contractor shall include in the appropriate line on his Bid Form an amount sufficient to cover the cost of the work required of his Contract as detailed in each Alternate.
- B. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement.
 - 1. The Owner reserves the right to accept any and/or all Alternates, or any combination thereof.
- C. Coordinate related work and modify surrounding work to integrate the Work of each Alternate.

1.03 SCHEDULE OF ALTERNATES

- A. Contract No. 1 - General Construction
 - 1. Alternate No. GC-01: Overhead Doors
 - a. Provide new overhead door panels in lieu of reusing existing panels for Type OHD-1. Existing hardware to be reused and new window panel to be provided under base bid as indicated.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

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SPECIFICATION FOR

Questar III BOCES
RHG Warehouse Conversion
Project No. 2023-038**

ALL CONTRACTORS

Notice to Bidders
Form of Proposal: Contract No. 1 – General Construction
Form of Proposal: Contract No. 2 – Mechanical
Form of Proposal: Contract No. 3 – Plumbing
Form of Proposal: Contract No. 4 – Electrical
Sample Agreement (A132-2019)
General Conditions of the Contract for Construction (A232-2019)
Statement of Special Inspections
Submittal Form
Prevailing Wage Rate Schedule

DIVISION 00 – PROCUREMENT REQUIREMENTS

00 1001 Plan Deposit Policy
00 2113 Information for Bidders
Request For Information Form
00 3113 Milestone Construction Schedule

DIVISION 01 – GENERAL REQUIREMENTS

01 0000 General Requirements
01 1000 Summary
01 2000 Price and Payment Procedures
01 2100 Allowances
01 2300 Alternates
01 2500 Substitution Procedures
01 3000 Administrative Requirements
01 3216 Construction Progress Schedule
01 3529.10 Life Safety Requirements During School Construction
01 4000 Quality Requirements
01 4533 Code-Required Special Inspections
01 5000 Temporary Facilities and Controls
01 5100 Temporary Utilities
01 5713 Temporary Erosion and Sediment Control
01 5721 Indoor Air Quality Controls
01 5813 Temporary Project Signage
01 6000 Product Requirements
01 6116 Volatile Organic Compound (VOC) Content Restrictions
01 7000 Execution Requirements
01 7329 Cutting and Patching
01 7800 Closeout Submittals
Closeout Checklist
Certificate of No Asbestos
Warranty of Title
01 7900 Demonstration and Training
01 9113 General Commissioning Requirements
01 9114 Commissioning Authority Responsibilities

DIVISION 02 – EXISTING CONDITIONS

02 4100 Demolition

DIVISION 03 – CONCRETE

03 0516 Underslab Vapor Barrier
03 1000 Concrete Forming and Accessories
03 2000 Concrete Reinforcing
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03 3001 Concrete Sidewalks, Curbs and Exterior Concrete Flatwork

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05 3100	Steel Decking
05 4000	Cold-Formed Metal Framing
05 5000	Metal Fabrications
05 5305	Metal Gratings and Floor Plates

DIVISION 06 – WOOD, PLASTICS, & COMPOSITES

06 1000	Rough Carpentry
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DIVISION 07 – THERMAL AND MOISTURE PROTECTION

07 0553	Fire and Smoke Assembly Identification
07 2100	Thermal Insulation
07 2130	Pre-Engineered Building Insulation
07 4213	Metal Wall Panels
07 5600	Silicone Roof Coating
07 6100	Sheet Metal Roofing
07 6200	Sheet Metal Flashing and Trim
07 7123	Manufactured Gutters and Downspouts
07 8400	Firestopping
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08 1113	Hollow Metal Doors and Frames
08 1416	Flush Wood Doors
08 1743	Composite Fiberglass Door
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08 3323	Overhead Coiling Doors
08 3613	Sectional Doors
08 5113	Aluminum Windows
08 7100	Door Hardware
08 8000	Glazing

DIVISION 09 – FINISHES

09 0561	Common Work Results for Flooring Preparation
09 2116	Gypsum Board Assemblies
09 3000	Tiling
09 5100	Acoustical Ceilings
09 6500	Resilient Flooring
09 6700	Fluid-Applied Flooring
09 7800	Interior Wall Paneling
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DIVISION 10 – SPECIALTIES

10 1423	Panel Signage
10 2123	Cubicle Curtains and Track
10 2600	Wall and Door Protection
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10 4400	Fire Protection Specialties
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10 5613	Metal Storage Shelving

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12 3100	Manufactured Metal Casework
12 3600	Countertops

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22 0553	Plumbing Identification
22 0719	Plumbing Piping Insulation
22 1005	Plumbing Piping
22 1006	Plumbing Piping Specialties
22 1500	General-Service Compressed-Air Systems
22 4000	Plumbing Fixtures

DIVISION 23 – HEATING, VENTILATING, & AIR CONDITIONING

23 0510	Basic Mechanical Requirements
23 0517	Sleeves and Sleeve Seals for HVAC Piping
23 0529	Hangers and Supports for HVAC Piping and Equipment
23 0553	Identification for HVAC Piping and Equipment
23 0593	Testing, Adjusting, and Balancing for HVAC
23 0713	Duct Insulation
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23 0923	Direct-Digital Control System for HVAC
23 2300	Refrigerant Piping
23 3100	HVAC Ducts and Casings
23 3300	Air Duct Accessories
23 3423	HVAC Power Ventilators
23 3700	Air Outlets and Inlets
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23 7413	Packaged Outdoor Central-Station Air-Handling Units
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26 0505	Selective Demolition for Electrical
26 0510	Basic Electrical Requirements
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26 0533.16	Boxes for Electrical Systems
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26 1321	Air Interrupter Switches
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26 2726	Wiring Devices
26 2816.16	Enclosed Switches
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33 1416	Site Water Utility Distribution Piping
33 4000	Storm Drainage Utilities

**FORM OF PROPOSAL
Questar III BOCES
RHG Warehouse Conversion
Project No. 2023-038**

BID DESCRIPTION

CONTRACT NO. 1 – GENERAL CONSTRUCTION

Work under this Contract may generally be described to include, but not be limited to the following:

Procurement and general requirements; alteration of the existing Warehouse Transportation building to an educational facility which includes but is not limited to interior reconfiguration of partitions and doors, exterior door and window replacement, façade recladding, entrance canopy addition, minor site work, and all other work and related materials as indicated on the Contract Drawings, as specified herein, and as required for the complete and proper execution of the Work.

This outline is a general indication of the requirements of this Contract and is not intended to be all inclusive. The complete Contract Documents in their entirety, to include any and all addenda, form the basis of the responsibility of this Contract.

Each contractor is advised that the specification sections in Division 01 - General Requirements apply distinctly to each Prime Contractor and the balance of the technical specifications apply to each Contractor (as appropriate) for the accomplishment of his work.

All work of this contract shall be coordinated with other Prime Contractors involved in the project. All work shall additionally be coordinated with all other activities, construction, or others at each site throughout the progress of the work of this project.

The General Contractor shall use all means possible and shall be responsible for coordinating the installation of all materials of this Contract with work of all other trades involved with this project. All work shall be done in strict accordance with the Contract Documents and in compliance with all applicable Local, State and Federal Codes.

Prior to the Bid Date of this project, the Contractor shall be completely responsible for visiting the project site to become completely familiar with the scope of this project.

Each bidder agrees to waive any claim it has or may have against the Owner, the Architect/Engineer, and the respective employees, arising out of or in connection with the administration, evaluation or recommendation of any bid.

It shall be completely understood that the use of asbestos containing materials in this project is strictly forbidden and all materials are provided in accordance with the Federal Asbestos Hazard Emergency Response Act (AHERA), and the New York State Asbestos Safety Act (SASA).

In addition to those items in the Base Bid, the General Contractor shall further sub-divide his bid proposal as described in the following bid items, alternates, and/or unit prices. The General Contractor shall include in the Base Bid all of the work of this Contract not specifically described in a Bid Item or Alternative. The Owner reserves the right to accept any and/or all of the Bid Items and/or Alternates or any combination thereof and to waive any informalities or defects in the bid proposals either before or after opening.

Bid Items

Allowances: As described in Specification Section 01 2100 – Allowances.

- Bid Item No. 1 – Field Directive Allowance

Alternates: As described in Specification Section 01 2300 – Alternates.

- Alternate No. GC-01 – Overhead Doors

Unit Prices: None

**FORM OF PROPOSAL
Questar III BOCES
RHG Warehouse Conversion
Project No. 2023-038**

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**FORM OF PROPOSAL
Questar III BOCES
RHG Warehouse Conversion
Project No. 2023-038**

The Undersigned _____
Contractor

Address Zip Code

hereby certifies that he/she has examined and fully comprehends the requirements and intent of the drawings and specifications as prepared by BCA Architects & Engineers, for **CONTRACT NO. 1 – GENERAL CONSTRUCTION** to furnish all labor, materials, supplies, plant and equipment and other facilities to properly perform the work for the total:

BASE BID _____

BASE BID SUM of _____ DOLLARS (\$ _____)

Bid Item No. 1 – Field Directive Allowance
_____ Forty Thousand _____ DOLLARS (\$ 40,000.00)

TOTAL BASE BID (Base Bid and Bid Item No. 1)
_____ DOLLARS (\$ _____)

ALTERNATES _____

Alternate No. GC-01 – Overhead Doors
_____ DOLLARS (\$ _____)
(ADD / DEDUCT)

Receipt of the following Addenda is hereby acknowledged:

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

No. _____ dated _____

(Name of Bidder)

Signed _____

Title _____

Street _____

City/State _____

Zip Code _____

Telephone _____

Fax _____

Cell Phone _____

Email _____

Date _____, 20__

NON-COLLUSIVE BIDDING CERTIFICATE

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of his knowledge and belief:

- (1) the prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
- (2) unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly to any other bidder or to any competitor; and
- (3) no attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

(Signed) _____

 Title

RESOLUTION - for corporate bidders only

RESOLVED that _____ be authorized to sign and submit the bid or proposal
(individual)
 of this corporation for the following project

(describe project)

and to include in such bid or proposal the certificate as to non-collusion required by Section 103-d of the General Municipal Law as the act and deed of such corporation, and for any inaccuracies or misstatements in such certificate this corporate bidder shall be liable under the penalties of perjury.

The foregoing is a true and correct copy of the resolution adopted by _____
 corporation at a meeting of its Board of Directors held on the _____ day of _____, 20__.

SEAL OF CORPORATION)

 Secretary

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**Statement Concerning Authority to do Business
in the State of New York for non-New York State Companies**

Please complete all requested information in both sections below.

A certificate of authority is required of out of state companies if the company has property, employees or agents used in conducting its business activities within the state of New York. Generally, business activities are defined as having an office in the state, making sales or promotional calls within the state, delivering products or merchandise and/or making service calls within the state.

Companies conducting mail order activities with New York customers are not considered doing business within New York State if the company **has no property, employees, agents and/or representatives in or, traveling into the state.** _____ is such a mail order company, and as such, is not
(Fill in company name)
required to hold a Certificate of Authority.

Performance under the attached bid will not result in any action that would result in a requirement to obtain a Certificate as all commerce will be conducted by mail. It is the opinion of the legal counsel for this firm:

Name _____
Address _____ (Complete the information)
Address _____
Telephone _____

that this firm is not required to file an Authority to do Business in New York State as required by Section 1301 of the NYS Business Corporate Law.

=====
Complete one of the following two acknowledgements in addition to above information.

Individual Acknowledgment for Sole Proprietors or Partnerships

Signature

State of _____
County of _____ ss.

On this ____ day of _____ two thousand and _____ before me, the subscriber, personally appeared _____ to me personally known and known to me to be the same person described in and who executed the within Instrument, and he/she acknowledged to me that he/she executed the same.

Notary Public

Corporate Acknowledgment for corporations or LLC's

Signature

State of _____
County of _____ ss.

On this ____ day of _____ two thousand and _____ before me personally known, who, being by me duly sworn did depose and say that he/she resides in _____ that he/she is the _____ of _____ the corporation described in, and which executed, the above Instrument; that he/she knows the seal of said corporation; that the seal affixed to said Instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; and that he/she signed his/her name thereto by like order.

Notary Public

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FEDERAL LAW CERTIFICATION

I, _____ [insert name], the _____ [insert title] of
_____ [name of company], _____ [Nine Digit DUNS
Number] hereby swear or affirm that the following is true:

1. The company, its principles or entities related to the company named above, is not now, nor ever has been, debarred from contracting with the United States Government or any State government.
2. The company is not now under investigation by any agency of the Federal Government or the government of any State for any actions by the company, its principles or any related entity, for any alleged malfeasance or misfeasance of any kind or nature which could lead to a debarment from governmental contracting or criminal prosecution, as well as render any contracts signed in reliance on this certification voidable by the party relying on this certification. This includes any violations related to the Davis-Bacon Act, the federal prevailing wage statute, the Copeland Act and the Contract Hours and Safety Standards Act which covers hours of work and safety standards in federal public contracting.
3. I have full legal authority under my company's organizational documents or bylaws to make this certification on the company's behalf.
4. I understand that submission of a false statement on this document will subject me to criminal prosecution.

(Date)

(Signature)

THIS FORM MUST BE COMPLETED AND SUBMITTED WITH THE BID

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STATEMENT OF SURETY'S INTENT

To:

(Owner)

We have reviewed the Bid of _____

(Contractor)

of _____

(Address)

for _____

(Project)

Bids for which will be received on _____

(Bid Opening Date)

and wish to advise that should this Bid of the Contractor be accepted, and the Contract awarded to him, it is our present intention to become surety on the performance bond and labor and material bond required by the Contract.

Any arrangement for the bonds required by the Contract is a matter between the Contractor and ourselves and we assume no liability to you or third parties if, for any reason, we do not execute the requisite bonds.

We are duly authorized to do business in the State of New York.

Attest:

(Surety's Authorized Signature)

Attach Power of Attorney

**(Corporate Seal, if any.
If no seal, write "No Seal"
across this place and sign.)**

THIS FORM MUST BE COMPLETED AND SUBMITTED WITH THE BID

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CERTIFICATION OF COMPLIANCE WITH THE IRAN DIVESTMENT ACT

As a result of the Iran Divestment Act of 2012 (the "Act"), Chapter 1 of the 2012 Laws of New York, a new provision has been added to State Finance Law (SFL) § 165-a and New York General Municipal Law § 103-g, both effective Aprils 12, 2012. Under the Act, the Commissioner of the Office of General Services (OGS) will be developing a list of "persons" who are engaged in "investment activities in Iran" (both are defined terms in the law) (the "Prohibited Entities List"). Pursuant to SFL § 165-a(3)(b), the initial list is expected to be issued no later than 120 days after the Act's effective date at which time it will be posted on the OGS website.

By submitting a bid in response to this solicitation or by assuming the responsibility of a Contract awarded hereunder, each Bidder/Contractor, any person signing on behalf of any Bidder/Contractor and any assignee or subcontractor and, in the case of a joint bid, each party thereto, certifies, under penalty of perjury, that once the Prohibited Entities List is posted on the OGS website, that to the best of its knowledge and belief, that each Bidder/Contractor and any subcontractor or assignee is not identified on the Prohibited Entities List created pursuant to SFL § 165-a(3)(b).

Additionally, Bidder/Contractor is advised that once the Prohibited Entities List is posted on the OGS Website, any Bidder/Contractor seeking to renew or extend a Contract or assume the responsibility of a Contract awarded in response to this solicitation must certify at the time the Contract is renewed, extended or assigned that it is not included on the Prohibited Entities List.

During the term of the Contract, should the School District receive information that a Bidder/Contractor is in violation of the above-referenced certification, the School District will offer the person or entity an opportunity to respond. If the person or entity fails to demonstrate that he/she/it has ceased engagement in the investment which is in violation of the Act within 90 days after the determination of such violation, then the School District shall take such action as may be appropriate including, but not limited to, imposing sanctions, seeking compliance, recovering damages or declaring the Bidder/Contractor in default. The School District reserves the right to reject any bid or request for assignment for a Bidder/Contractor that appears on the Prohibited Entities List prior to the award of a contract and to pursue a responsibility review with respect to any Bidder/Contractor that is awarded a contract and subsequently appears on the Prohibited Entities List.

I, _____, being duly sworn, deposes and says that he/she is the _____ of the _____ Corporation and that neither the Bidder/ Contractor nor any proposed subcontractor is identified on the Prohibited Entities List.

SIGNED

SWORN to before me this

_____ day of _____

20____

Notary Public: _____

EITHER THIS FORM OR THE "DECLARATION OF BIDDER'S INABILITY TO PROVIDE CERTIFICATION OF COMPLIANCE WITH THE IRAN DIVESTMENT ACT" FORM ON THE FOLLOWING PAGE MUST BE COMPLETED AND SUBMITTED WITH THE BID

**DECLARATION OF BIDDER'S INABILITY TO PROVIDE CERTIFICATION OF COMPLIANCE
WITH THE IRAN DIVESTMENT ACT**

Bidders shall complete this form if they cannot certify that the bidder/contractor or any proposed subcontractor is not identified on the Prohibited Entities List. The District reserves the right to undertake any investigation into the information provided herein or to request additional information from the bidder.

Name of the Bidder: _____

Address of Bidder: _____

Has bidder been involved in investment activities in Iran? _____

Describe the type of activities including but not limited to the amounts and the nature of the investments (e.g. banking, energy, real estate) _____

If so, when did the first investment activity occur? _____

Have the investment activities ended? _____

If so, what was the date of the last investment activity? _____

If not, have the investment activities increased or expanded since April 12, 2012? _____

Has the bidder adopted, publicized, or implemented a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran? _____

If so, provide the date of the adoption of the plan by the bidder and proof of the adopted resolution, if any and a copy of the formal plan. _____

In detail, state the reasons why the bidder cannot provide the Certification of Compliance with the Iran Divestment Act below (additional pages may be attached):

I, _____ being duly sworn, deposes and says that he/she is the _____ of

the _____ Corporation and the foregoing is true and accurate.

SIGNED

SWORN to before me this

_____ day of _____, 20____

Notary Public: _____

**SECTION 01 1000
SUMMARY - MULTI CONTRACT**

PART 1 GENERAL

1.01 PROJECT

- A. Project Name: RHG Warehouse Conversion
- B. Owner's Name: Questar III BOCES.
- C. Architect's Name: BCA Architects & Engineers.
- D. The Project consists of but not limited to the alteration of the existing Warehouse Transportation building to an educational facility which includes but is not limited to, complete interior reconfiguration, exterior door and window replacement, façade recladding, entrance canopy addition, utility and systems upgrades and reconfigurations along with the associated site work.

1.02 CONTRACT DESCRIPTION

- A. Contract Type: Multiple prime contracts, each based on a Stipulated Price.

1.03 DESCRIPTION OF ALTERATIONS WORK

- A. Scope of alterations work is indicated on drawings.

1.04 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 the Owner.

1.05 OWNER OCCUPANCY

- A. Owner intends to occupy the Project upon Substantial Completion.
- B. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.
- C. Schedule the Work to accommodate Owner occupancy.

1.06 CONTRACTOR USE OF SITE AND PREMISES

- A. Construction Operations: Limited to areas noted on Drawings.

1.07 WORK SEQUENCE

- A. Coordinate construction schedule and operations with Owner.
- B. Coordinate construction schedule and operations with Architect.

1.08 SPECIFICATION SECTIONS APPLICABLE TO ALL PRIME CONTRACTS

- A. All Contractors are responsible for the information regarding thier work on all the drawings and specifications. Each Prime Contractor's scope of work includes the following, but not limited to the following. The below is not intended to limit any Contractor's requirements to review all the drawings for thier work.
- B. Unless otherwise noted, all provisions of the sections listed below apply to all contracts. Specific items of work listed under individual contract descriptions constitute exceptions.
- C. Division 00 Procurement and Contracting Requirements
 - 1. All Sections including Bidding Requirements, Contract Forms, and Conditions of the Contract.
- D. Division 01 General Requirements including but not limited to the following:
 - 1. Section 01 0000 - General Requirements.
 - 2. Section 01 1000 - Summary.
 - 3. Section 01 2000 - Price and Payment Procedures.
 - 4. Section 01 2100 - Allowances.
 - 5. Section 01 2500 - Substitution Procedures.

6. Section 01 3000 - Administrative Requirements.
 7. Section 01 3216 - Construction Progress Schedule.
 8. Section 01 3529.10 - Life Safety Requirements During School Construction.
 9. Section 01 4000 - Quality Requirements.
 10. Section 01 4533 - Code-Required Special Inspections.
 11. Section 01 5000 - Temporary Facilities and Controls.
 12. Section 01 5100 - Temporary Utilities.
 13. Section 01 6000 - Product Requirements.
 14. Section 01 6116 - Volatile Organic Compound (VOC) Content Restrictions.
 15. Section 01 7000 - Execution and Closeout Requirements.
 16. Section 01 7329 - Cutting and Patching.
 17. Section 01 7800 - Closeout Submittals.
 18. Section 01 9113 - General Commissioning Requirements.
 19. Section 01 9114 - Commissioning Authority Responsibilities.
 20. Section 01 7900 - Demonstration and Training.
- E. Division 02 Existing Conditions
1. Section 02 4100 - Demolition.
- F. Division 02 Concrete
1. Section 03 3000 - Cast-in-Place Concrete.
- G. Division 07 Thermal and Moisture Protection
1. Section 07 8400 - Firestopping.
 2. Section 07 9200 - Joint Sealers.
- H. Division 08 Openings
1. Section 08 3100 - Access Doors and Panels.
- I. Division 09 Finishes
1. Section 09 9000 - Paints and Coatings.

1.09 DRAWINGS APPLICABLE TO ALL PRIME CONTRACTS

- A. Unless otherwise noted, all drawing listed below apply to all Contracts.
1. Drawings: Title Sheet and Index of Drawings.
 2. Drawings: G series drawings.
 3. Drawings: CC series drawings.

1.10 CONTRACT NO. 1 - GENERAL CONSTRUCTION (GC)

- A. Includes Architectural, Structural, and Site, plus other operations traditionally recognized as General Construction. General Construction contractor is responsible to coordinate all prime contractor tasks. Including administration and coordination responsibilities. Work under this contract includes, but not limited to, the following:
1. Division 01 - General Requirements:
 - a. Specification sections listed above as applicable to all contracts.
 - b. Section 01 5000: Temporary Sanitary facilities.
 - c. Section 01 5713: Temporary Erosion and Sediment Control.
 - d. Section 01 5813: Temporary Project Signage.
 - e. Section 01 7000: Final cleaning.
 - f.
 2. Division 2 - Existing Conditions.
 3. Division 3 - Concrete.
 - a. With the exception of concrete equipment pads furnished and installed by other prime contracts unless noted otherwise.
 4. Division 5 - Metals.
 5. Division 6 - Woods, Plastics and Composites.
 6. Division 7 - Thermal and Moisture Protection.

- a. With the exception of roof curbing furnished by other prime contracts for installation by the GC.
- 7. Division 8 - Openings.
- 8. Division 9 - Finishes.
- 9. Division 10 - Specialties.
- 10. Division 12 - Furnishings.
- 11. Division 31 - Earthwork.
- 12. Division 32 - Exterior Improvements.
- 13. Division 33 - Utilities.
 - a. All Division 33 utilities unless otherwise noted in the Electrical Contract.
- 14. Drawings listed above as applicable to all contracts.
- 15. Drawings L series drawings.
- 16. Drawings S series drawings.
- 17. Drawings A series drawings.

1.11 CONTRACT NO. 2 - MECHANICAL (MC)

- A. Includes heating, ventilation, air conditioning systems and the temperature control systems. Work under this contract includes, but not limited to, the following:
 - 1. Specification sections listed above as applicable to all contracts.
 - 2. Division 07 - Thermal and Moisture Protection:
 - a. Section 07 8400 - Firestopping: Firestopping of fire-rated vertical and horizontal assembly penetrations, including membrane penetrations for the Work of this Contract. Firestop all openings and voids in fire-rated assemblies occurring from removals of Work.
 - b. Section 07 9200 - Joint Sealants for the Work of this Contract.
 - c. Furnish roof curbing, roof equipment rails and pipe portals for installation by the GC.
 - 3. Division 09 - Finishes:
 - a. Section 09 9000 - Painting and Coating: Identification painting for equipment and piping.
 - 4. Division 23 - Heating, Ventilating, and Air Conditioning:
 - a. All Sections of Division 23.
 - 5. Drawings listed above as applicable to all contracts.
 - 6. Drawings M series drawings.

1.12 CONTRACT NO. 3 - PLUMBING (PC)

- A. Includes plumbing equipment, fixtures, accessories and piping systems. Work under this contract includes, but not limited, to the following:
 - 1. Specification sections listed above as applicable to all contracts.
 - 2. Division 03 - Concrete and the Work of this Contract.
 - a. Section 03 -3000 - Cast-in-Place Concrete: Concrete equipment pads.
 - 3. Division 07 - Thermal and Moisture Protection:
 - a. Section 07 8400 - Firestopping: Firestopping of fire-rated vertical and horizontal assembly penetrations, including membrane penetrations for the Work of this Contract. Firestop all openings and voids in fire-rated assemblies occurring from removals of Work.
 - b. Section 07 9200 - Joint Sealers for the Work of this Contract.
 - 4. Division 09 - Finishes:
 - a. Section 09 9000 - Painting and Coating: Identification painting for equipment and piping.
 - 5. Division 22 - Plumbing:
 - a. All Sections of Division 22
 - 6. Drawings listed above as applicable to all contracts.
 - 7. Drawings P series drawings.

1.13 CONTRACT NO. 4 - ELECTRICAL (EC)

- A. Includes electric power distribution, lighting, technology cabling, fire alarm systems and telecommunications systems. Work under this contract includes, but is not limited to, the following:
 - 1. Specification sections listed above as applicable to all contracts.
 - a. Section 01 5000: Temporary electricity installation.
 - b. Section 01 5000: Temporary lighting.
 - c. Section 01 5000: Temporary power.
 - 2. Division 03 - Concrete:
 - a. Section 03 3000 - Cast-in-Place Concrete: Concrete equipment pads and the Work of this Contract.
 - 3. Division 07 - Thermal and Moisture Protection:
 - a. Section 07 8400 - Firestopping: Firestopping of fire-rated vertical and horizontal assembly penetrations, including membrane penetrations for the Work of this Contract. Firestop all openings and voids in fire-rated assemblies occurring from removals of Work.
 - b. Section 07 9200 - Joint Sealers for the Work of this Contract.
 - c. Furnish roof curbing and pipe portals for installation by GC.
 - 4. Division 09 - Finishes:
 - a. Section 09 9000 - Painting and Coating: Identification painting for equipment and piping.
 - 5. Division 26 - Electrical:
 - a. All Sections of Division 26.
 - 6. Division 27 - Communications:
 - a. All Sections of Division 27.
 - 7. Division 28 - Electronic Safety and Security:
 - a. All Sections of Division 28.
 - 8. Drawings listed above as applicable to all contracts.
 - 9. Drawings E series drawings.

1.14 CONTRACT ASSIGNMENTS

- A. Contract Assignments: In addition to specific responsibilities indicated in this section, the contracts noted below are assigned certain responsibilities, as follows:
 - 1. Excavation 5'-0" outside the building limits shall be performed by the GC unless otherwise noted.
 - 2. Excavation and backfill within the building limits and extending to 5'-0" outside the building limits shall be performed by each Prime Contractor responsible for said Work. GC shall be responsible for the replacement of concrete slab and flooring materials at all excavated locations.
 - 3. Excavation and backfill 5'-0" outside the building limits shall be performed by the EC for their own Work unless noted otherwise.
 - 4. GC shall be responsible for the removal and replacement of suspended ceiling systems required for the work of all Prime Contracts as noted on the drawings.
 - 5. Blocking for the work of each contract shall be the responsibility of each Prime Contractor for their own Work. Roof blocking shall be the responsibility of the GC.
 - 6. Openings in walls, floors and roofs:
 - a. In new surfaces: Providing openings, including lintels and structural framing shall be the work of the GC. Each Prime Contractor is responsible for identifying opening sizes and locations for its own work and advising the GC of such, in writing, in a timely manner.

- b. In existing surfaces: Providing openings, including lintels and structural framing shall be the work of the GC. Each Prime Contractor is responsible for identifying opening sizes and locations for its own work and advising the GC of such, in writing, in a timely manner. GC is responsible to patch adjacent surfaces to match the existing conditions. Cut openings under 100 square inches or drilled openings of 8 inches or less in diameter are to be the work of each Prime Contractor.
 - c. GC to size lintels and structural framing for openings in accordance with the information on the Drawings and information provided by each Prime Contractor.
 - d. Provide openings by personnel experienced in work similar to that indicated for this Project, whose work has resulted in construction with a record of successful service performance.
 - e. All penetrations in existing and new fire-rated wall and fire-rated floor/ceiling assemblies shall be the responsibility of each Prime Contractor requiring said penetration, including penetration and membrane firestopping systems. All voids and openings created in fire-rated assemblies by demolition work shall be filled with firestopping systems by each Prime Contractor.
 - f. All penetrations in existing and new smoke walls and smoke floor/ceiling assemblies shall be the responsibility of each Prime Contractor requiring said penetration, including penetration and membrane firestopping systems. All voids and openings created by demolition work in smoke partitions and barriers shall be filled with firestopping systems by each Prime Contractor.
 - g. All penetrations in new air barriers, vapor barriers and waterproofing membranes shall be the work of the GC.
 - h. All penetrations in existing air barriers, vapor barriers and waterproofing membranes shall be the work of each Prime Contractor.
7. Furnishing of access doors and panels for the work of each contract shall be by each Prime Contract, except as follows:
- a. In new surfaces: Furnishing and installing wall or ceiling access doors and panels shall be the work of the GC.
 - b. In existing surfaces: Furnishing and installing wall and ceiling access doors and panels exposed to view shall be the work of the GC. Each Prime Contract shall be responsible to furnish and install access doors and panels for thier own work which is not exposed to view (i.e.ductwork access panels, etc.) and integral to the equipment. for its own work.
8. Furnishing of roof mounted equipment curbs, equipment rails and pipe portals for the work of each contract shall be the work of each Prime Contract for its own work.
- a. Installing of roof-mounted equipment curbs, equipment rails and pipe portals (including flashing, blocking and sealing) shall be the work of the GC in accordance with roofing manufacturer's requirements..
9. Painting for the work of each contract shall be the work of the GC, except as follows:
- a. Identification painting (such as equipment and piping) for the work of each contract shall be the work of each contract for its own work.
10. Furnishing linear grilles for casework shall be the work of the MC.
- a. Installation of the linear grilles for casework shall be by the GC.
11. Furnishing mechanical louvers and grilles for exterior walls shall be the work of the MC.
- a. Installation of louvers and grilles for exterior walls (including flashing and sealing) shall be the work of the GC.
12. Furnishing motor starters for the work of each contract shall be the work of each contract for its own work.
- a. Installing motor starters shall be the work of the EC.
13. Providing automatic door operators shall be the work of the GC, including installing control wiring from activation device (push-plate switch) to operator.
- a. Providing power to the operator shall be the work of the EC.
14. Field Engineering and Surveying:
- a. The GC is responsible for the field engineering and surveying for all building work.

b. The GC is responsible for all field engineering and surveying for all site work.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

**SECTION 12 2400
WINDOW SHADES**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Interior manual roller shades.

1.02 RELATED REQUIREMENTS

- A. Section 06 1000 - Rough Carpentry: Concealed wood blocking for attachment of headrail brackets.

1.03 REFERENCE STANDARDS

- A. ASTM G21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi; 2015, with Editorial Revision (2021).
- B. NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films; 2023, with Errata.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Preinstallation Meeting: Convene one week prior to commencing work related to products of this section; require attendance of affected installers.
- B. Sequencing:
 - 1. Do not fabricate shades until field dimensions for each opening have been taken with field conditions in place.
 - 2. Do not install shades until final surface finishes and painting are complete.

1.05 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Include shade schedule indicating size, location and keys to details, head, jamb and sill details, mounting dimension requirements for each product and condition, and operation direction.
- C. Verification Samples: Minimum size 6 inches square, representing actual materials, color and pattern.
- D. Manufacturer's Instructions: Include instructions for storage, handling, protection, examination, preparation, and installation of product.
- E. Operation and Maintenance Data: List of all components with part numbers, sources of supply, and operation and maintenance instructions; include copy of shop drawings.
- F. Warranty: Submit sample of manufacturer's warranty and documentation of final executed warranty completed in Owner's name and registered with manufacturer.
- G. Maintenance contracts.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of this type with minimum 5 years of documented experience with shading systems of similar size and type.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver shades in manufacturer's unopened packaging, labeled to identify each shade for each opening.
- B. Handle and store shades in accordance with manufacturer's recommendations.

1.08 FIELD CONDITIONS

- A. Do not install products under environmental conditions outside manufacturer's absolute limits.

1.09 WARRANTY

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Provide manufacturer's warranty from Date of Substantial Completion, covering the following:
 - 1. Shade Hardware: One year.
 - 2. Fabric: One year.
 - 3. Aluminum and Steel Coatings: One year.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Interior Manually Operated Roller Shades:
 - 1. Draper, Inc; Clutch Operated FlexShade: www.draperinc.com/#sle.
 - 2. Substitutions: See Section 01 6000 - Product Requirements.

2.02 WINDOW SHADE APPLICATIONS

- A. Shades for Classroom spaces including Welding Classroom and Heavy Equipment Classroom.
 - 1. Type: Roller shades.
 - 2. Fabric: From manufacturer's standard offerings.
 - 3. Fabric Performance Requirements:
 - a. Openness Factor: Blackout.
 - 4. Color: As selected by Architect from manufacturer's full range of colors.
 - 5. Mounting: Outside (face of jambs).
 - 6. Operation: Manual.

2.03 ROLLER SHADES

- A. General:
 - 1. Provide shade system components that are easy to remove or adjust without removal of mounted shade brackets.
 - 2. Provide shade system that operates smoothly when shades are raised or lowered.
- B. Roller Shade: Manually operated fabric window shade system complete with mounting brackets, roller tubes, hembars, hardware, and accessories; fully factory-assembled.
 - 1. Size: As indicated on drawings.
- C. Fabric: Non-flammable, color-fast, impervious to heat and moisture, and able to retain its shape under normal operation; PVC-free; 100 percent recycled.
 - 1. Blackout Shades: Block virtually all light; Openness Factor equal to zero (0).
 - 2. Flammability: Pass NFPA 701 large and small tests.
- D. Brackets and Mounting Hardware: As recommended by manufacturer for mounting indicated and to accommodate shade fabric roll-up size and weight.
- E. Roller Tubes: As required for type of shade operation.
 - 1. Size: As recommended by manufacturer; selected for suitability for installation conditions, span, and weight of shades.
 - 2. Fabric Attachment: Utilize extruded channel in tube to accept vinyl spline welded to fabric edge.
 - 3. Take-Up Roller: Manufacturer's standard roller tube pretensioned for winding lift cable in bottom-up type shades.
- F. Hembars: Designed to maintain bottom of shade straight and flat.
 - 1. Style: Exposed aluminum bottom bar, flat profile with closed ends; clear anodized finish.
- G. Manual Operation for Interior Shades:
 - 1. Clutch Operator: Manufacturer's standard material and design, permanently lubricated.
 - 2. Drive Chain: Continuous loop beaded ball chain, 95 lb minimum breaking strength. Provide upper and lower limit stops.
 - 3. Chain Retainer:

4. Accessories:
 - a. Fascia: Extruded aluminum, size as required to conceal shade mounting, attachable to brackets without exposed fasteners; clear anodized finish.
 - 1) Color: White.
 - 2) Profile: Square.

2.04 SHADE FABRIC

- A. Fabric: Nonflammable, color-fast, impervious to heat and moisture, and able to retain its shape under normal operation.
 1. Manufacturers:
 - a. Draper, Inc; SB900-SunBloc : www.draperinc.com/#sle.
 - b. Substitutions: See Section 01 6000 - Product Requirements.
 2. Material: 75% Fiberglass, 25% PVC.
 3. Material Certificates and Product Disclosures:
 - a. Health Product Declaration (HPD): Complete, published declaration with full disclosure of known hazards.
 - b. Declare label.
 4. Performance Requirements:
 - a. Flammability: Pass NFPA 701 large and small tests.
 5. Openness Factor: 0%.
 6. Roll Width: verify in field per window location.
 7. Color: As selected by Architect from manufacturer's full range of colors.

2.05 ROLLER SHADE FABRICATION

- A. Field measure finished openings prior to ordering or fabrication.
- B. Dimensional Tolerances: Fabricate shades to fit openings within specified tolerances.
 1. Vertical Dimensions: Fill openings from head to sill with 1/2 inch space between bottom bar and window stool.
 2. Horizontal Dimensions - Inside Mounting: Fill openings from jamb to jamb.
- C. Dimensional Tolerances: As recommended in writing by manufacturer.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine finished openings for deficiencies that may preclude satisfactory installation.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- C. Start of installation shall be considered acceptance of substrates.

3.02 PREPARATION

- A. Prepare surfaces using methods recommended by manufacturer for achieving best result for substrate under the project conditions.
- B. Coordinate with window installation and placement of concealed blocking to support shades.

3.03 INSTALLATION

- A. Install in accordance with manufacturer's instructions and approved shop drawings, using mounting devices as indicated.
- B. Adjust level, projection, and shade centering from mounting bracket. Verify there is no telescoping of shade fabric. Ensure smooth shade operation.

3.04 CLEANING

- A. Clean soiled shades and exposed components as recommended by manufacturer.
- B. Replace shades that cannot be cleaned to "like new" condition.

3.05 PROTECTION

- A. Protect installed products from subsequent construction operations.
- B. Touch-up, repair, or replace damaged products before Substantial Completion.

3.06 MAINTENANCE

- A. Provide to Owner, a proposal as an alternate to the base bid, a separate renewable maintenance contract for the service and maintenance of a motorized shade system for one year from date of Substantial Completion. Include a complete description of preventive maintenance, systematic examination, adjustment, parts and labor, cleaning, and testing, with a detailed schedule.

END OF SECTION

**SECTION 22 0719
PLUMBING PIPING INSULATION**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Piping insulation.
- B. Jackets and accessories.

1.02 RELATED REQUIREMENTS

- A. Section 22 1005 - Plumbing Piping.

1.03 REFERENCE STANDARDS

- A. ASTM B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2014.
- B. ASTM C177 - Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus; 2019, with Editorial Revision (2023).
- C. ASTM C195 - Standard Specification for Mineral Fiber Thermal Insulating Cement; 2007 (Reapproved 2019).
- D. ASTM C449 - Standard Specification for Mineral Fiber Hydraulic-Setting Thermal Insulating and Finishing Cement; 2007 (Reapproved 2019).
- E. ASTM C518 - Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus; 2021.
- F. ASTM C533 - Standard Specification for Calcium Silicate Block and Pipe Thermal Insulation; 2017 (Reapproved 2023).
- G. ASTM C547 - Standard Specification for Mineral Fiber Pipe Insulation; 2022a.
- H. ASTM C610 - Standard Specification for Molded Expanded Perlite Block and Pipe Thermal Insulation; 2017 (Reapproved 2023).
- I. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2019b.
- J. ASTM E96/E96M - Standard Test Methods for Gravimetric Determination of Water Vapor Transmission Rate of Materials; 2022a, with Editorial Revision (2023).
- K. NFPA 255 - Standard Method of Test of Surface Burning Characteristics of Building Materials; National Fire Protection Association; 2006.
- L. UL 723 - Standard for Test for Surface Burning Characteristics of Building Materials; Current Edition, Including All Revisions.

1.04 SUBMITTALS

- A. See Section 01 3000 - Submittal Procedures.
- B. Product Data: Provide product description, thermal characteristics, list of materials and thickness for each service, and locations.
- C. Manufacturer's Instructions: Indicate installation procedures that ensure acceptable workmanship and installation standards will be achieved.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with not less than five years of documented experience.
- B. Applicator Qualifications: Company specializing in performing the type of work specified in this section with minimum five years of documented experience.
- C. Regulatory Requirements:

1. Insulation installed inside buildings, including laminated jackets, mastics, sealants and adhesives shall have a Fire Spread/Smoke Developed Rating of 25/50 or less based on ASTM E 84, NFPA 255, and UL 723.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Accept materials on site, labeled with manufacturer's identification, product density, and thickness.

1.07 FIELD CONDITIONS

- A. Maintain ambient conditions required by manufacturers of each product.
- B. Maintain temperature before, during, and after installation for minimum of 24 hours.

PART 2 PRODUCTS

2.01 PIPING INSULATION

- A. Fibrous Glass (Mineral Fiber) Insulation: Composed principally of fibers manufactured from rock, slag, or glass, with or without binders, and asbestos free.
 1. Manufacturers:
 - a. Johns Manville Corporation.
 - b. Knauf Fiber Glass.
 - c. Owens Corning Corporation.
 2. Preformed Pipe Insulation: Minimum density 3 pcf; ASTM C 547 and ASTM C 795.
 - a. Class 1 (Suitable for Temperatures Up to 450 degrees F): 'K' value of 0.26 at 75 degrees F.
 3. Premolded Fitting Insulation: Minimum density 4.0 pcf, K of 0.26 at 75 degrees F; ASTM C 547, Class 1.
 4. Insulation Inserts for PVC Fitting Jackets: Minimum density 1.5 pcf, K of 0.28 at 75 degrees F; ASTM C 553, Type III.
 - a. Suitable for temperatures up to 450 degrees F.
- B. High Density Jacketed Insulation Inserts for Hangers and Supports:
 1. Manufacturers:
 - a. Johns Manville Corporation.
 - b. Knauf Fiber Glass.
 - c. Owens Corning Corp.
 2. For Use with Fibrous Insulation:
 - a. Cold Service Piping:
 - 1) Polyurethane Foam: Minimum density 4 pcf, K of 0.13 at 75 degrees F, minimum compressive strength of 125 psi.
 - b. Hot Service Piping:
 - 1) Calcium Silicate: Minimum density of 15 pcf, K of 0.50 at 300 degrees F; ASTM C 610.
 - 2) Perlite: Minimum density 12 pcf, K of 0.60 at 300 degrees F; ASTM C 610.
- C. Cements:
 1. Fibrous Glass Thermal Insulating Cement: Asbestos free; ASTM C 195.
 2. Fibrous Glass Hydraulic Setting Thermal Insulating and Finishing Cement: ASTM C 449/C 449M.

2.02 PLENUM WRAP FOR PVC PIPING IN RETURN AIR PLENUM SPACES

- A. Manufacturers:
 1. 3M - Building and Commercial Services Division, Fire Barrier Plenum Wrap 5A+
 2. Morgan Advanced Materials, PlenumWrap+
 3. Unifrax, FyreWrap 0.5

- B. General: Flexible fire-resistant wrap consisting of inorganic fiber blanket with a scrim-reinforced foil. Product provides a flexible, non-combustible enclosure for cables and pipes in return air plenums.
- C. Installation shall be in strict accordance with manufacturers written instructions, as shown on the approved shop drawing submittals. Wrap shall be a high-temperature fiber blanket thermal insulation encapsulated in a fiberglass-reinforced aluminized foil. Plenum wrap shall be nominal 6 pcf and have a nominal 1/2 inch thickness. The fiber blanket shall have a continuous use limit in excess of 1,832F. Flame Spread Index and Smoke Developed Index of the foil encapsulated blanket shall be <25 / <50.

2.03 INSULATION JACKETS AND FITTING COVERS

- A. Laminated Vapor Barrier Jackets for Piping Insulation: Factory applied by insulation manufacturer, conforming to ASTM C 1136, Type I.
 - 1. Type I: Reinforced white kraft and aluminum foil laminate with kraft facing out.
 - a. Pipe Jackets: Furnished with integral 1-1/2 inch self sealing longitudinal lap, and separate 3 inch wide adhesive backed butt strips.
 - 2. Type II: Reinforced aluminum foil and kraft laminate with foil facing out.
 - 3. Laminated vapor barrier jackets are not required for flexible elastomeric foam insulation.
- B. Premolded PVC Fitting Jackets:
 - 1. Constructed of high impact, UV resistant PVC.
 - a. ASTM D 1784, Class 14253-C.
 - b. Working Temperature: 0-150 degrees F.

2.04 ADHESIVES, MASTICS, AND SEALERS

- A. Vapor Seal Adhesive (Fibrous Glass Insulation): Childers' CP-82, Epolux's Cadoprene 400, Foster's 85-75 or 85-20.
- B. Vapor Barrier Mastic/Joint Sealer (Fibrous Glass Insulation): Childers' CP-30, Epolux's Cadalar 670, Foster's 95-44 or 30-35.
- C. Adhesive (Reinforcing Membrane): Childers' Chil-Spray WB CP-56.
- D. Mastic (Reinforcing Membrane): Childers' AK-CRYL CP-9.

2.05 MISCELLANEOUS MATERIALS

- A. Insulation Fasteners:
 - 1. Acceptable Manufacturers: Duro-Dyne Corp.; Erico Fastening Systems, Inc.
 - 2. Type: Weld pins, complete with self-locking insulation retaining washers.
- B. Pressure Sensitive Tape for Sealing Laminated Jackets:
 - 1. Acceptable Manufacturers: Alpha Associates, Childers, Ideal Tape, Morgan Adhesive.
 - 2. Type: Same construction as jacket.

PART 3 EXECUTION

3.01 PREPARATION

- A. Perform the following prior to starting insulation Work:
 - 1. Install all hangers, supports, and appurtenances in their permanent locations.
 - 2. Complete testing of piping.
 - 3. Clean and dry all surfaces to be insulated.

3.02 INSTALLATION, GENERAL

- A. Install the Work of this Section in accordance with manufacturer's printed installation instructions unless otherwise specified.
- B. Provide continuous piping insulation and jacketing when passing thru interior wall, floor, and ceiling construction.
 - 1. At Through Penetration Firestops: Coordinate insulation densities with the requirements of approved firestop system being installed. See Section 22 0515.

- a. Insulation densities required by approved firestop system may vary with the densities specified in this Section. When this occurs use the higher density insulation.
- C. Individual piping runs shall have consistent insulation type.
- D. Apply Insulation to completely cover entire surface of piping. Do not insulate over weld certification stamps.

3.03 INSTALLATION AT HANGERS AND SUPPORTS

- A. Reset and realign hangers and supports if they are displaced during insulation installation.
- B. Install high density jacketed insulation inserts at hangers and supports for insulated piping as specified.
 - 1. Insulation Inserts For Use with Fibrous Glass Insulation:
 - a. Where clevis hangers are used, install insulation shields and high density jacketed insulation inserts between shield and pipe.
 - b. Where insulation is subject to compression at points over 180 degrees apart, e.g. riser clamps, U-bolts, or trapezes, fully encircle pipe with 2 protection shields and 2 high density jacketed fibrous glass insulation inserts within supporting members.
 - 1) Exception: Locations where pipe covering protection saddles are specified for hot service piping, 6 inch and larger.

3.04 INSTALLATION OF FIBROUS GLASS COLD SERVICE INSULATION

- A. Install insulation materials with a field or factory applied ASTM C 1136 Type I laminated vapor barrier jacket, unless otherwise specified.
- B. Piping:
 - 1. Butt insulation joints together.
 - 2. Continuously seal joints with minimum 1-1/2 inch wide self-sealing longitudinal jacket laps and 3-inch wide butt adhesive backed strips, or 3 inch wide pressure sensitive sealing tape of same material as jacket.
 - 3. Bed insulation in a 2-inch wide band of vapor barrier mastic, and vapor seal exposed ends of insulation with vapor barrier mastic at each butt joint between pipe insulation and equipment, fittings or flanges at the following intervals:
 - a. Horizontal Pipe Runs: 21 ft.
 - b. Vertical Pipe Runs: 9 ft.
- C. Fittings, Valves, Flanges and Irregular Surfaces:
 - 1. Insulate with mitre cut or pre-molded fitting insulation of same material and thickness as adjoining pipe insulation.
 - 2. Secure insulation in place with 16 gage wire, with ends twisted and turned down into insulation.
 - 3. Butt fitting, valve, and flange insulation against pipe insulation and bond with insulating cement.
 - 4. Insulate valves up to and including bonnets, without interfering with packing nuts.
 - 5. Apply leveling coat of insulating cement to smooth out insulation and cover wiring.
 - 6. When insulating cement has dried, seal fitting, valve and flange insulation by embedding a layer of reinforcing membrane of 4 oz. canvas jacket between 2 flood coats of vapor barrier mastic, each 1/8 inch thick wet.
 - 7. Lap reinforcing membrane or canvas on itself and adjoining pipe insulation at least 2 inches.
 - 8. Trowel, brush, or rubber glove outside coat over entire insulated surface.
- D. Fittings, Valves, Flanges and Irregular Surfaces - Alternate:
 - 1. Apply one piece pre-molded PVC fitting covers with fibrous glass insulation inserts with galvanized coated tack fasteners. Tape circumferential joint between insulation and premolded fitting cover with 2 inch wide pressure sensitive polyvinyl tape.

- a. Exception: Provide additional insulation inserts on service operating at under 45 degrees F or where insulation thickness exceeds 1-1/2 inches. Ensure that insulation is adequate to prevent PVC fitting jacket temperature from falling below 45 degrees F.

3.05 INSTALLATION OF FIBROUS GLASS HOT SERVICE INSULATION

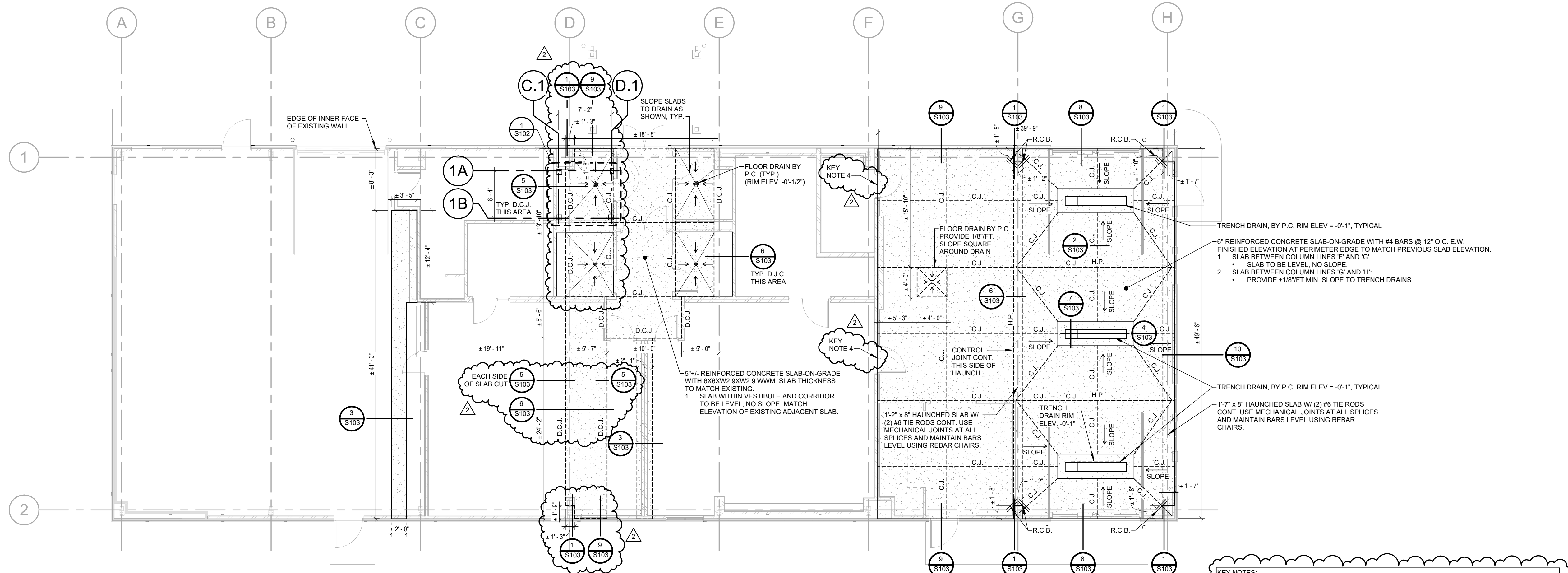
- A. Install insulation materials with field or factory applied ASTM C 1136 Type I laminated vapor barrier jacket unless otherwise specified.
- B. Canvas Jackets on Piping, Fittings, Valves, Flanges, Unions, and Irregular Surfaces:
 1. For piping 2 inch size and smaller: 4 oz per sq yd unless otherwise specified.
 2. For piping over 2 inch size: 6 oz per sq yd unless otherwise specified.
- C. Piping:
 1. Butt insulation joints together.
 2. Continuously seal joints with minimum 1-1/2 inch wide self-sealing longitudinal jacket laps and 3-inch wide butt adhesive backed strips, or 3 inch wide pressure sensitive sealing tape of same material as jacket.
 3. Fill voids in insulation at hanger with insulating cement.
 4. Exceptions:
 - a. Piping in Accessible Shafts, Attic Spaces, Crawl Spaces, Unfinished Spaces, and Concealed Piping: Butt insulation joints together and secure with minimum 1-1/2" wide longitudinal jacket laps and 3 inch wide butt strips of same material as jacket, with outward clinching staples on maximum 4 inch centers. Fill voids in insulation at hangers with insulating cement.
 - b. Piping in Tunnels: Butt insulation joints together and secure with minimum 1-1/2" wide longitudinal jacket laps and 3 inch wide butt strips, of same material as jacket, with outward clinching staples on maximum 4 inch centers and 16 gage wires a minimum of 4 loops per section. Fill voids in insulation with insulating cement.
 5. Fittings, Valves, Flanges and Irregular Surfaces:
 - a. Insulate with mitre cut or pre-molded fitting insulation of same material and thickness as adjoining pipe insulation.
 - b. Secure insulation in place with 16 gage wire, with ends twisted and turned down into insulation.
 - c. Butt fitting, valve, and flange insulation against pipe insulation and bond with insulating cement.
 - d. Insulate valves up to and including bonnets, without interfering with packing nuts.
 - e. Apply leveling coat of insulating cement to smooth out insulation and cover wiring.
 - f. When insulating cement has dried, coat insulated surface with lagging adhesive, and apply 4 oz. or 6 oz. canvas jacket as required by pipe size.
 - 1) Lap canvas jacket on itself and adjoining pipe insulation at least 2 inches.
 - 2) Size entire canvas jacket with lagging adhesive.
 - g. Exceptions:
 - 1) Insulate fittings, valves, and irregular surfaces 3 inch size and smaller with insulating cement covered with 4 oz or 6 oz canvas jacket as required by pipe size. Terminate pipe insulation adjacent to flanges and unions with insulating cement, troweled down to pipe on a bevel.
 - 2) Sizing of canvas surface is not required on fittings, valves, flanges, and irregular surfaces in concealed piping, piping in accessible shafts, attic spaces, crawl spaces, unfinished spaces, and tunnels.
 6. Fittings, Valves, Flanges and Irregular Surfaces - Alternate:
 - a. Apply one piece pre-molded PVC fitting covers with fibrous glass insulation inserts with galvanized coated tack fasteners. Tape circumferential joint between insulation and premolded fitting cover with 2 inch wide pressure sensitive polyvinyl tape.

- 1) Exception: Provide additional insulation inserts on service operating at over 250 degrees F or where insulation thickness exceeds 1-1/2 inches. Ensure that insulation is adequate to prevent PVC fitting jacket temperature from exceeding 150 degrees F.

3.06 SCHEDULE OF PIPING INSULATION

- A. Insulate all cold service and hot service piping, and appurtenances except where otherwise specified.
- B. Plumbing Piping Systems:
 1. Domestic Hot Water Supply (105 to 140 degrees F):
 - a. Glass Fiber Insulation:
 - 1) Pipe Size Range: Up to 1-1/2 inch.
(a) Thickness: 1 inch.
 - 2) Pipe Size Range: Over 1-1/2 inch.
(a) Thickness: 2 inch.
 2. Domestic Hot Water Recirculation:
 - a. Glass Fiber Insulation:
 - 1) Pipe Size Range: All sizes.
(a) Thickness: 1 inch.
 3. Domestic Cold Water:
 - a. Glass Fiber Insulation:
 - 1) Pipe Size Range: All sizes.
(a) Thickness: 1/2 inch.
 4. Plumbing Vents Within 10 Feet of the Exterior:
 - a. Glass Fiber Insulation:
 - 1) Pipe Size Range: All sizes.
(a) Thickness: 1 inch.
 5. Cold Condensate Piping:
 - a. Flexible Elastomeric Cellular Rubber Insulation:
 - 1) Pipe Size Range: All sizes.
(a) Thickness: 1/2 inch.
- C. Schedule of Items Not to be Insulated:
 1. Chrome plated piping, unless otherwise specified.
 2. Water heater blow-off piping.
 3. Air vents, pressure reducing valves, pilot lines, safety valves, relief valves.
 4. Piping buried in the ground, unless otherwise specified herein.
 5. Items installed by others, unless otherwise specified herein.
 6. Sanitary drainage piping, unless otherwise specified herein.
 7. Sprinkler and standpipe piping, unless otherwise specified.

END OF SECTION



1 FIRST FLOOR SLAB RECONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

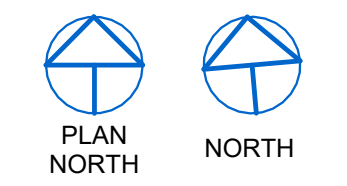
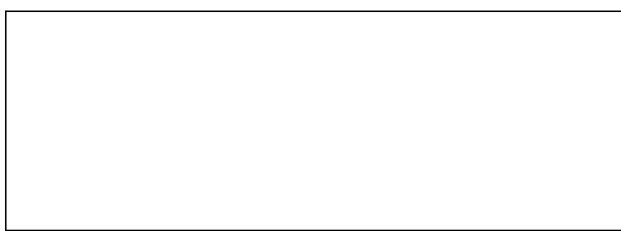
KEY NOTES:
 1. C.J. = SAW CUT CONTROL JOINT. DEPTH = 20% OF SLAB THICKNESS.
 2. D.C.J. = DOWELED CONSTRUCTION JOINT.
 3. R.C.B. = RE-ENTRANT SLAB CORNER BARS - (2) #4 BARS BY 24" LONG SPACED 4" APART. CONTRACTOR TO MAKE FLUSH NEW CONCRETE FLOOR WITH EXISTING CONCRETE FLOOR TO PROVIDE SMOOTH TRANSITION AT DOOR OPENINGS. PROVIDE EXPANSION JOINT SET AT DOORS 108A AND 109. PROVIDE SCHLUTER-RENO-T IN BRUSHED STAINLESS STEEL SET INTO SLAB EXPANSION JOINT WITH SEALANT ACROSS OPENING.
 4.

STRUCTURAL DESIGN CRITERIA:

1. **Building Code:**
 - 1.1 Building Code: 2020 Building Code of New York State.
 - 1.2 2020 Existing Building Code of NYS
 - 1.3 ASCE7-16
 - 1.3 Occupancy Category: II
 - 1.4 Design Basis: Allowable Stress Design
2. **Live Loads:**
 - 2.1 First Floor: 250psf (Min. Uniform)
3. **Snow Loads:**
 - 3.1 Ground Snow Load Pg: 40psf
 - 3.2 Flat Roof Snow Load PF: 20psf
 - 3.3 Snow Exposure Factor: Ce: 1.00
 - 3.4 Snow Importance Factor Is: 1.00
 - 3.5 Thermal Factor Ct: 1.00
4. **Wind Loads:**
 - 4.1 Basic Wind Speed Vult=110mph, Vasd=85mph
 - 4.2 Wind Exposure B
 - 4.3 Internal Pressure Coeff +/- 0.18 (Enclosed)
 - 4.4 Structure Main Building Reno Full Open Structure
5. **Earthquake Design Data:**
 - 5.1 Seismic Importance Factor Ie: 1.00
 - 5.2 Site Class D (NYS Default)
 - 5.3 Mapped Spectral Response:
 - 5.3.1 Short Term Ss: 0.195g
 - 5.3.2 1 Sec S1: 0.069g
 - 5.4 Design Spectral Response:
 - 5.4.1 Short Term SDs: 0.208g
 - 5.4.2 1 Sec SD1: 0.069g
 - 5.5 Seismic Design Category: B
 - 5.6 Response Modification Factor: R=3.0
 - 5.7 Horizontal Base Shear Force: As Calculated
6. **Presumptive Soil Bearing Pressure:** 2000psf (Table 1806.2)

NOTE: ALL EXPOSED STRUCTURAL STEEL FOR CANOPY AND WATER TANK PLATFORM TO BE PAINTED AS SPECIFIED IN SECTION 09 9000.

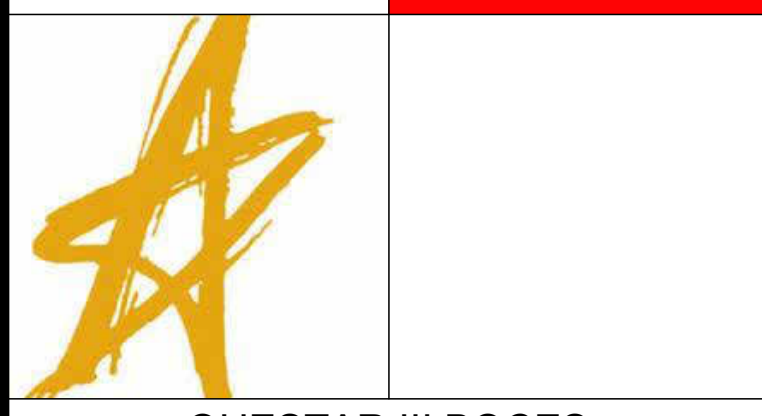
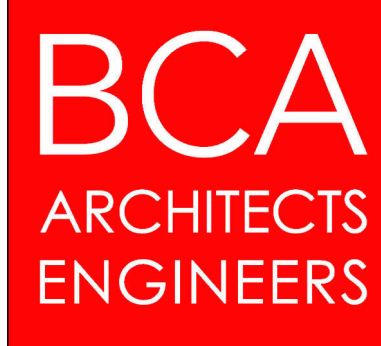
KEY PLAN:



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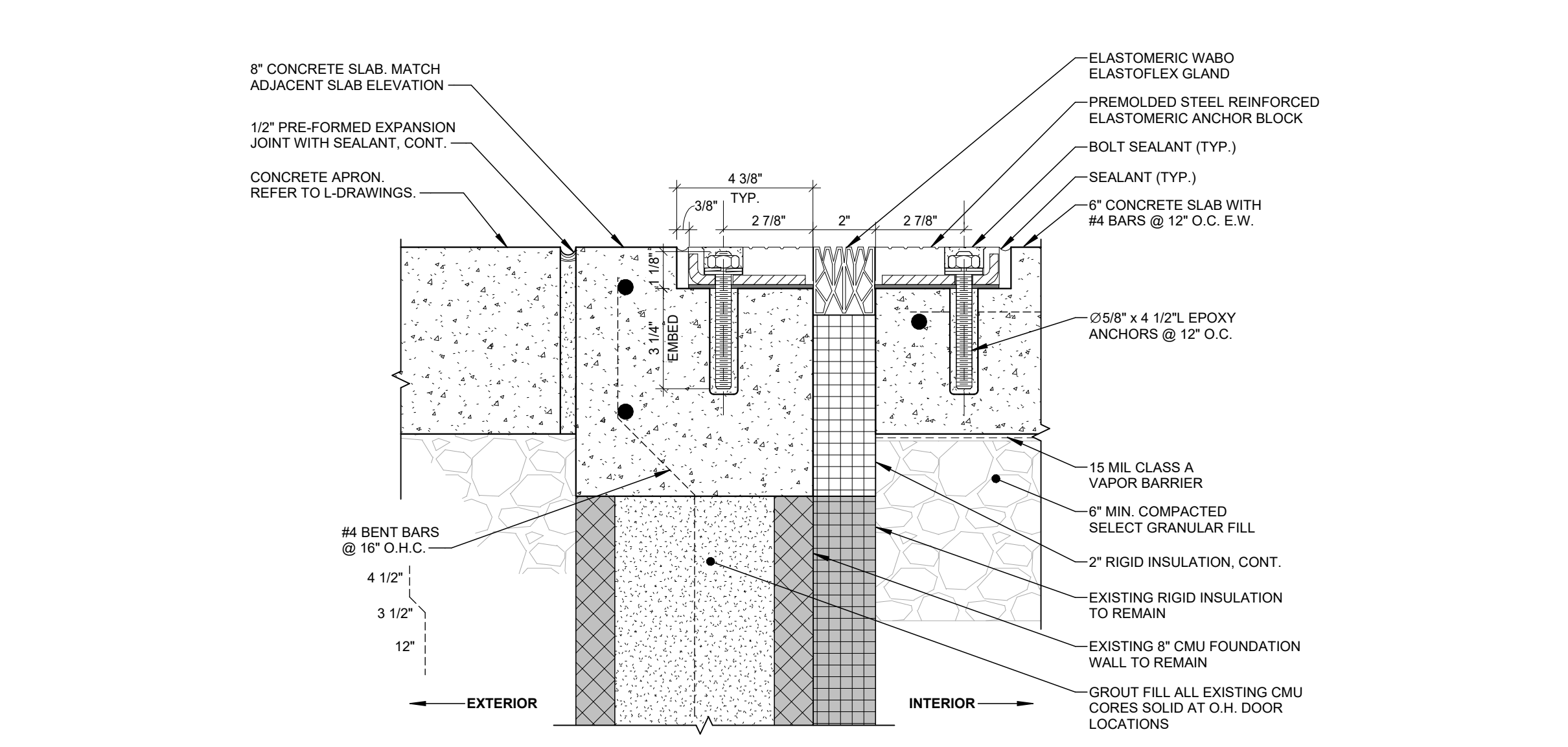
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2	04/05/2024	BID ADDENDUM NO. 2

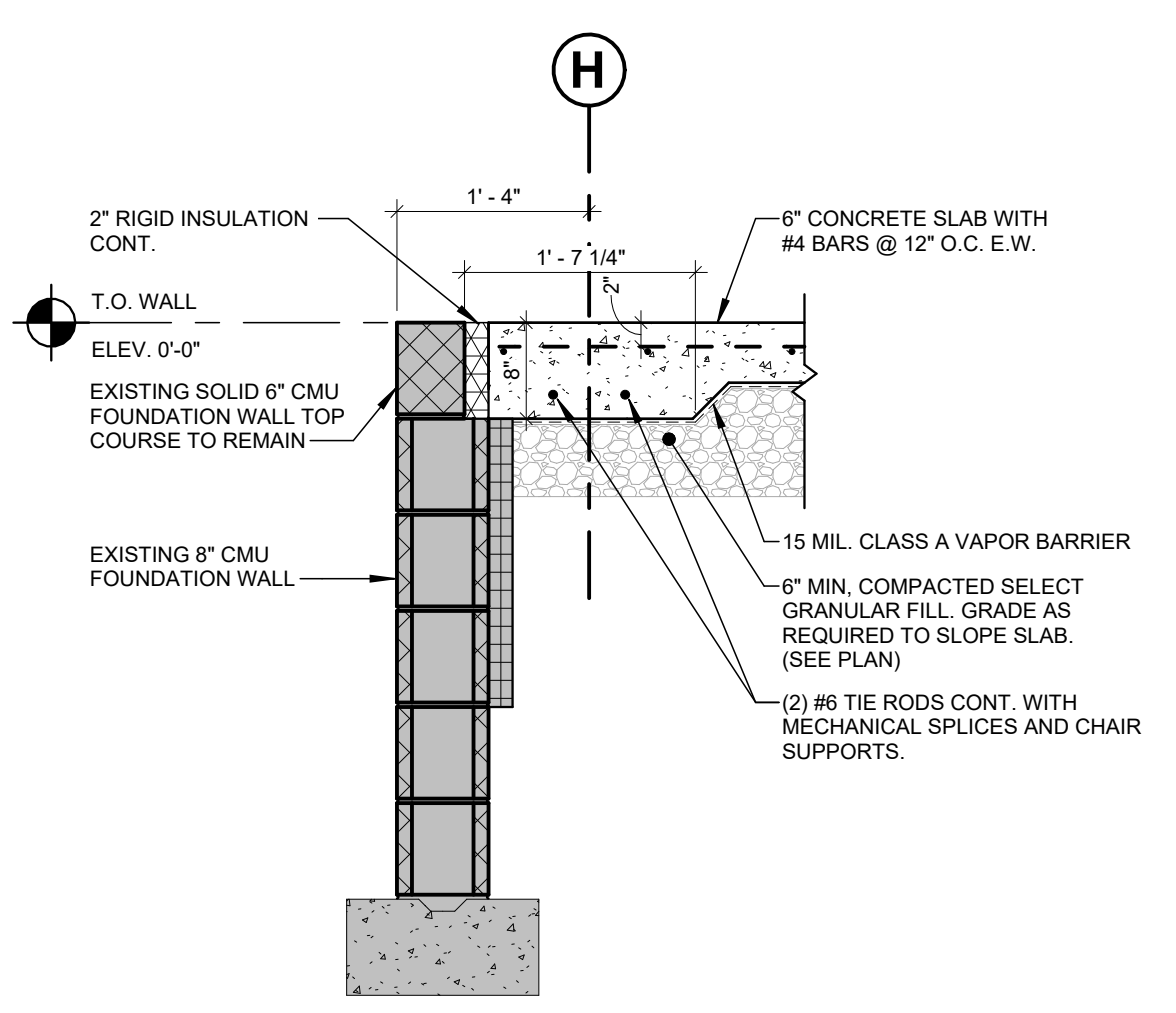
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CHECKED BY JAS	DATE 03/08/2024

FLOOR SLAB RECONSTRUCTION PLAN

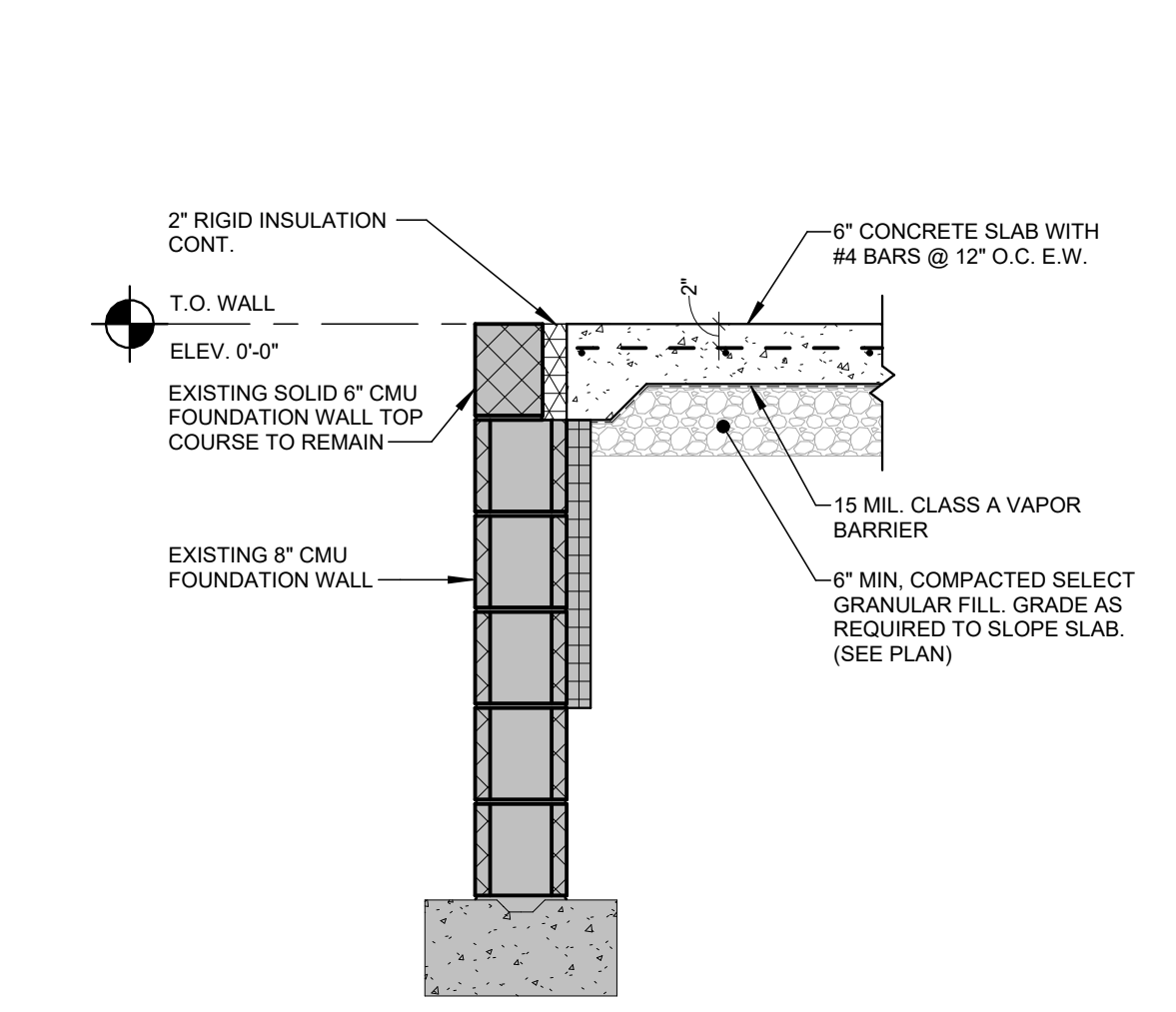
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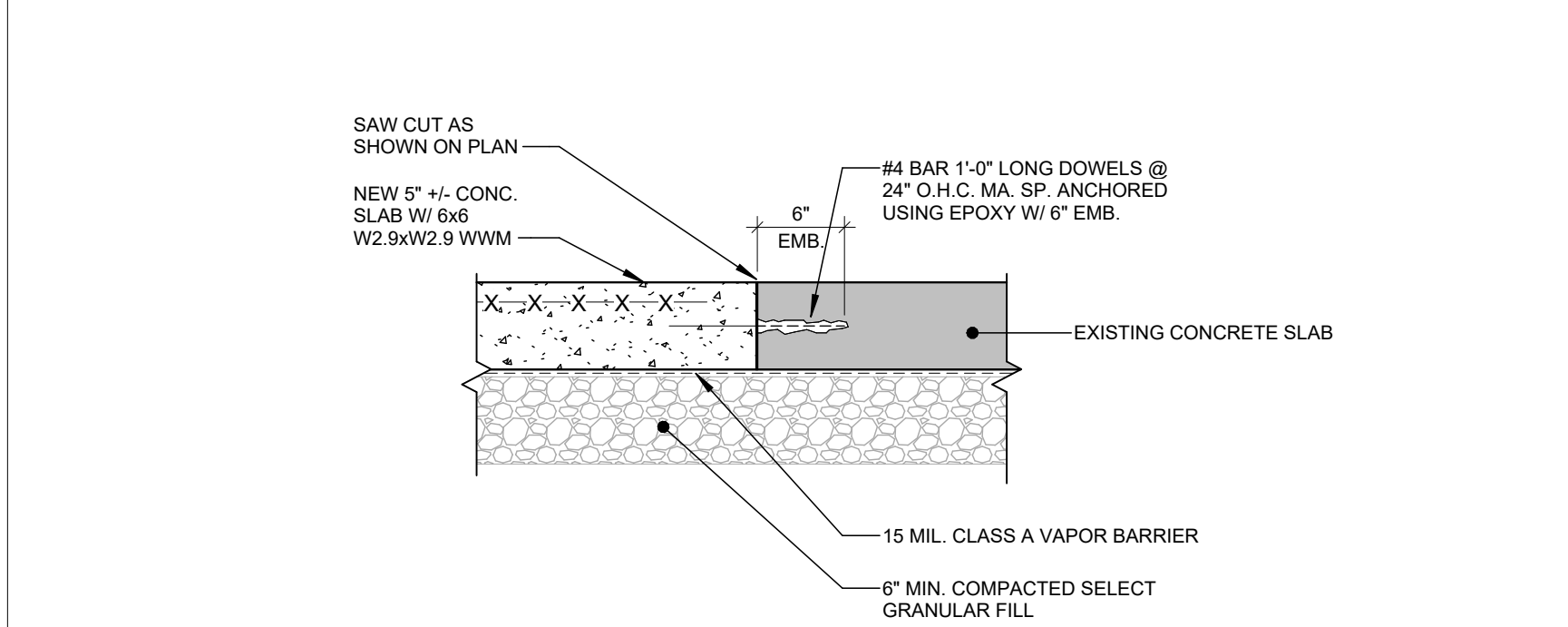
8 EXPANSION JOINT @ O.H. DOOR DETAIL
SCALE: 3" = 1'-0"



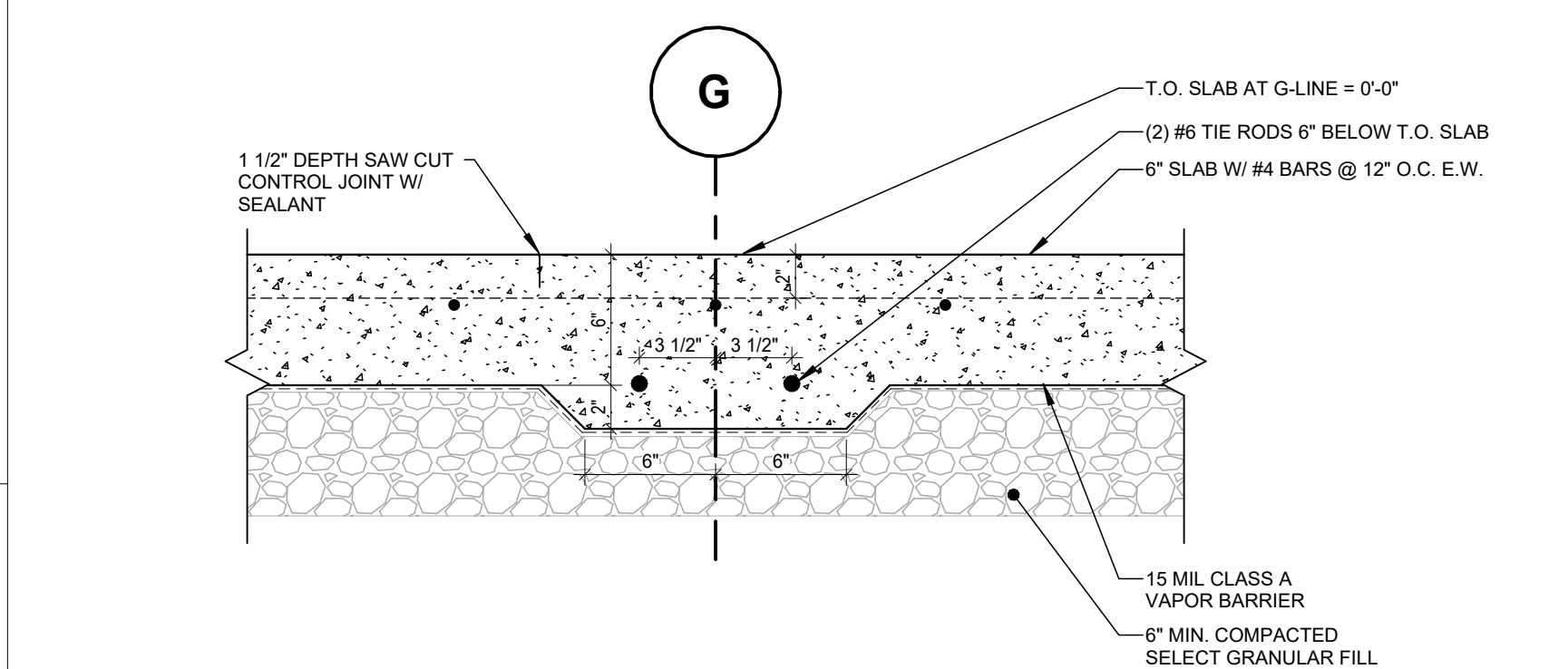
10 TYP. END WALL HAUNCHED TIE BEAM
SCALE: 3/4" = 1'-0"



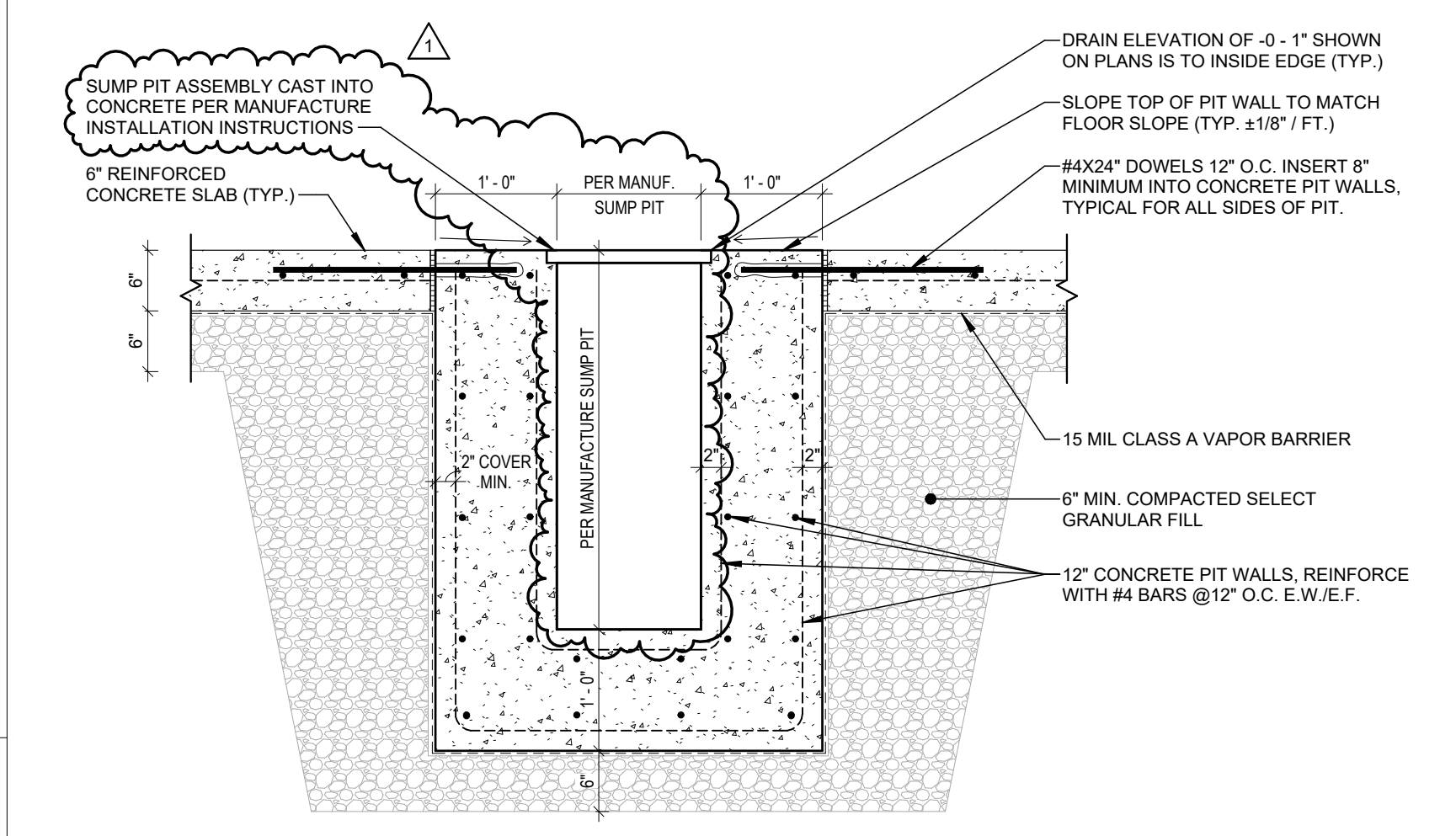
9 TYP. FOUND. WALL SLAB JOINT
SCALE: 3/4" = 1'-0"



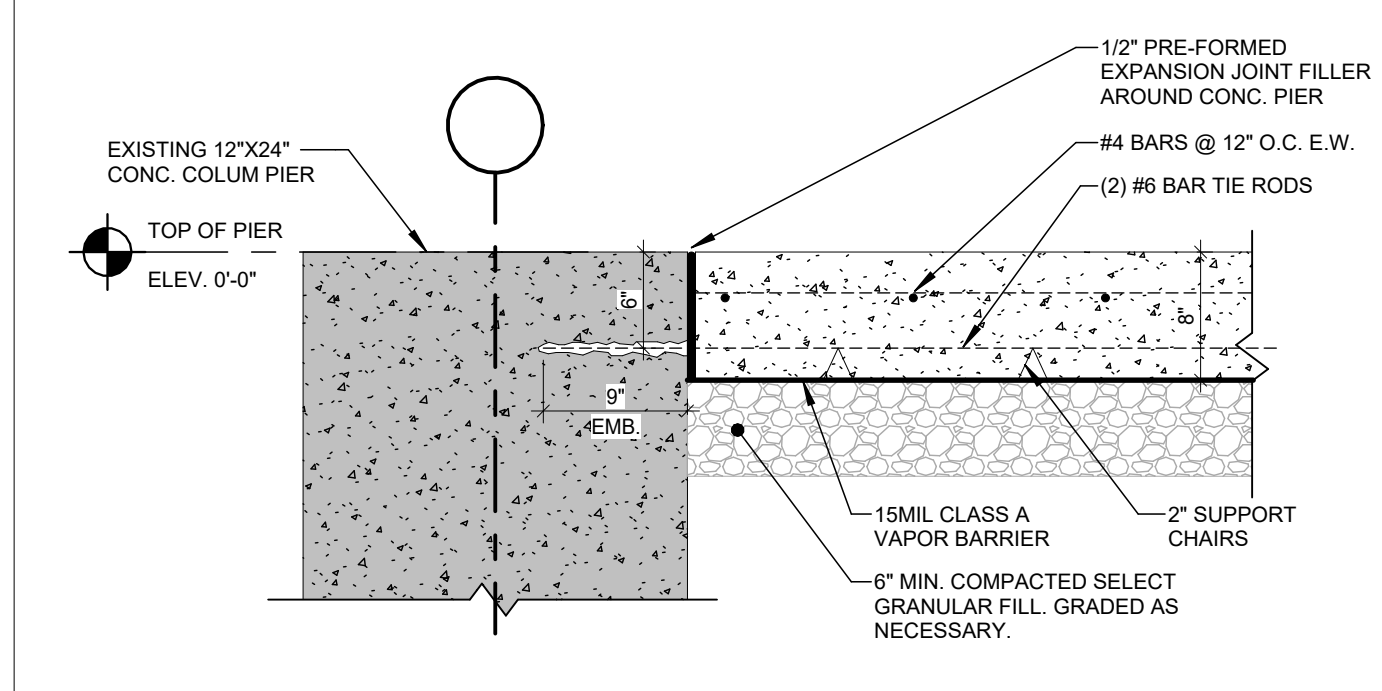
5 D.J.C. DETAIL
SCALE: 1" = 1'-0"



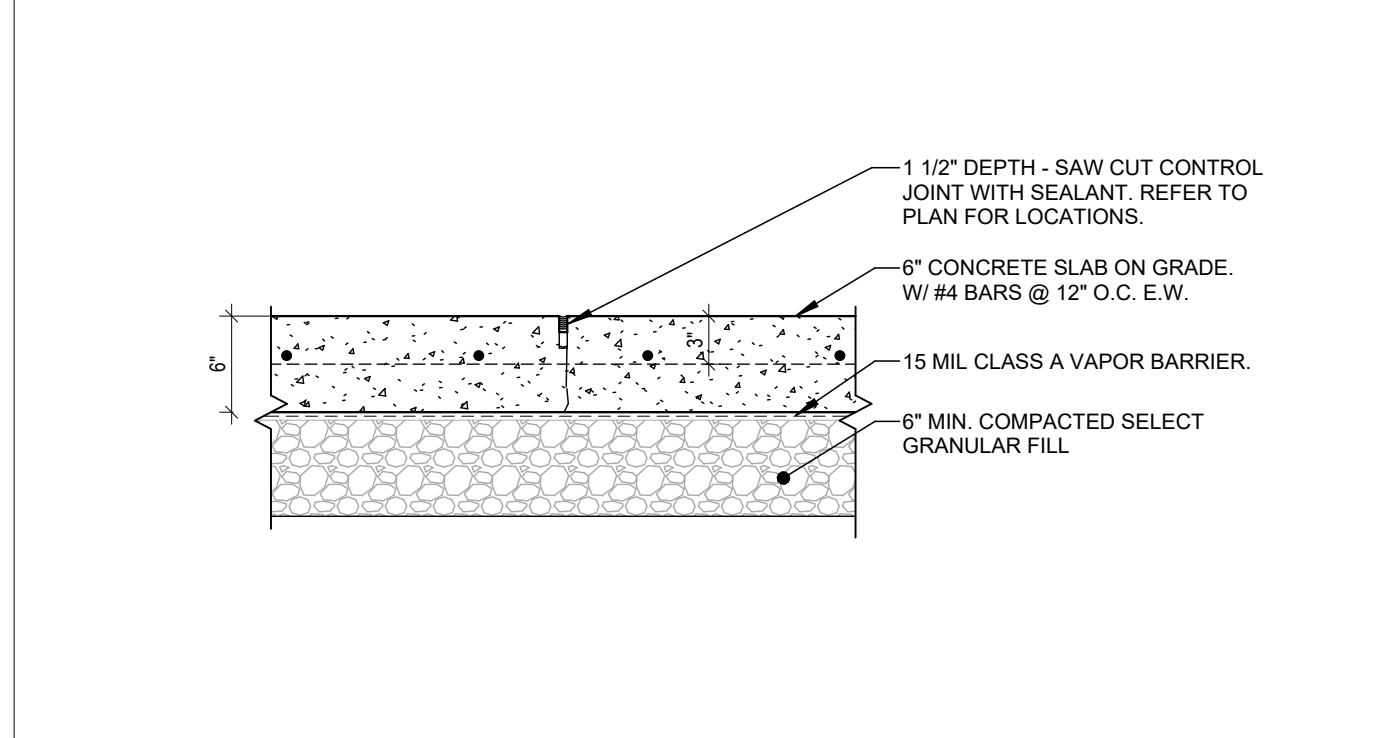
6 THICKENED SLAB AT TIE BEAM DETAIL
SCALE: 1 1/2" = 1'-0"



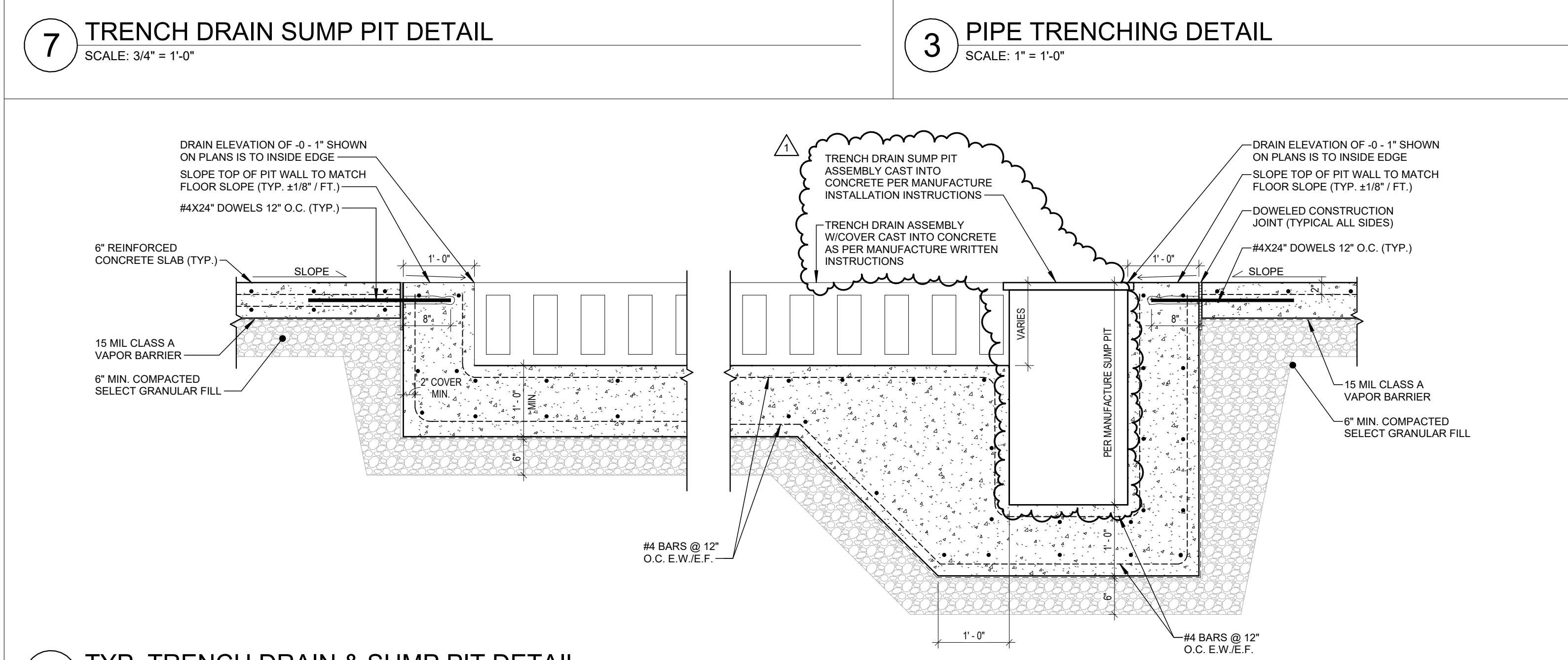
7 TRENCH DRAIN SUMP PIT DETAIL
SCALE: 3/4" = 1'-0"



1 CONCRETE TIE ROD DETAIL
SCALE: 1" = 1'-0"



2 TYP. SLAB ON GRADE DETAIL
SCALE: 1" = 1'-0"



4 TYP. TRENCH DRAIN & SUMP PIT DETAIL
SCALE: 3/4" = 1'-0"

TRENCHING & SLAB CUT SECTION NOTES:

1. THE G.C. SHALL CUT AND REMOVE EXISTING CONCRETE SLAB AND EXCAVATE TO THE DEPTH REQUIRED BY THE P.C.
2. P.C. TO PROVIDE CONDUIT AND BEDDING MATERIALS TO SUPPORT PIPE.
3. G.C. TO PROVIDE COMPACTED GRAVEL FILL, VAPOR BARRIER, REINFORCING AND CONCRETE.

KEY PLAN:

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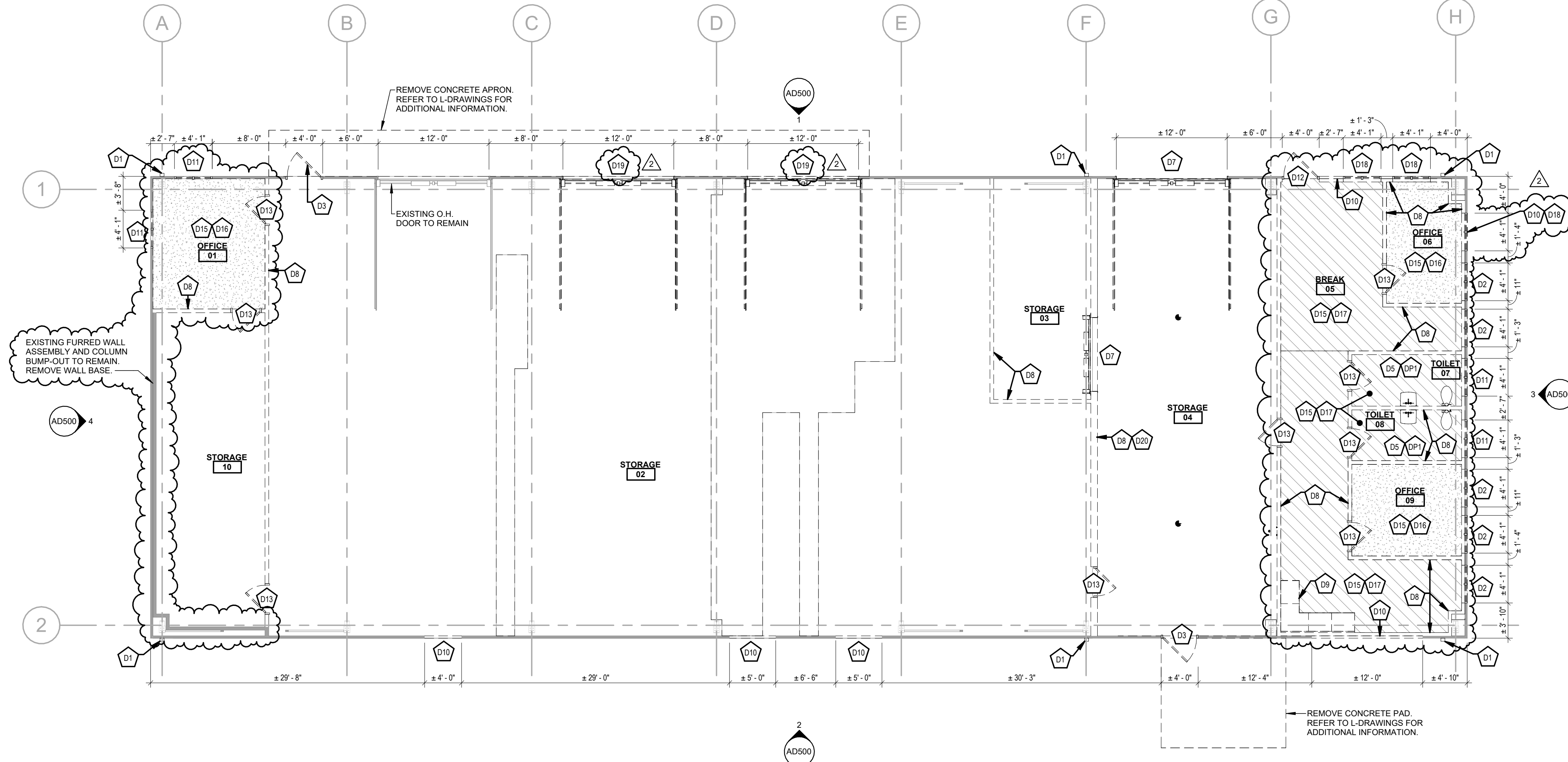
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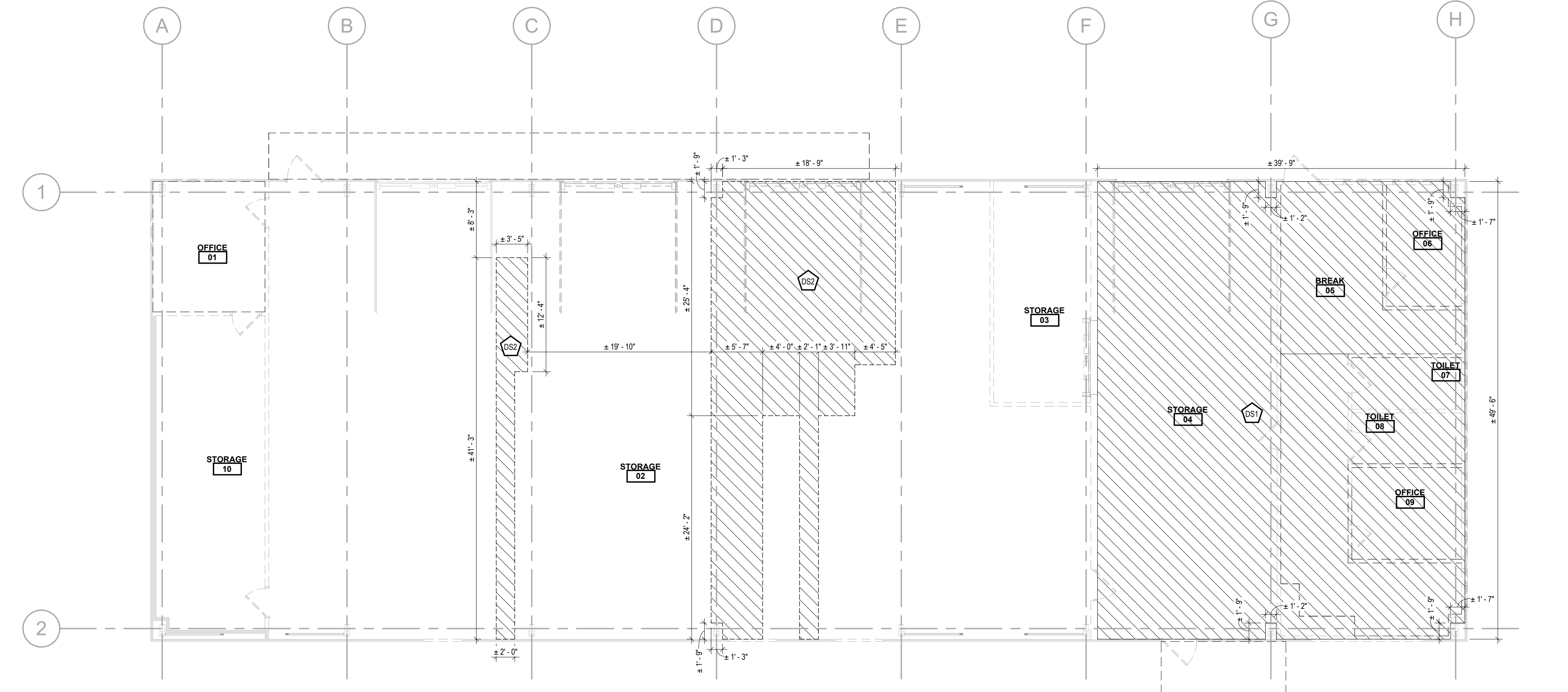
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CHECKED BY JAS	DATE 03/08/2024

STRUCTURAL DETAILS

SHEET NUMBER
S103

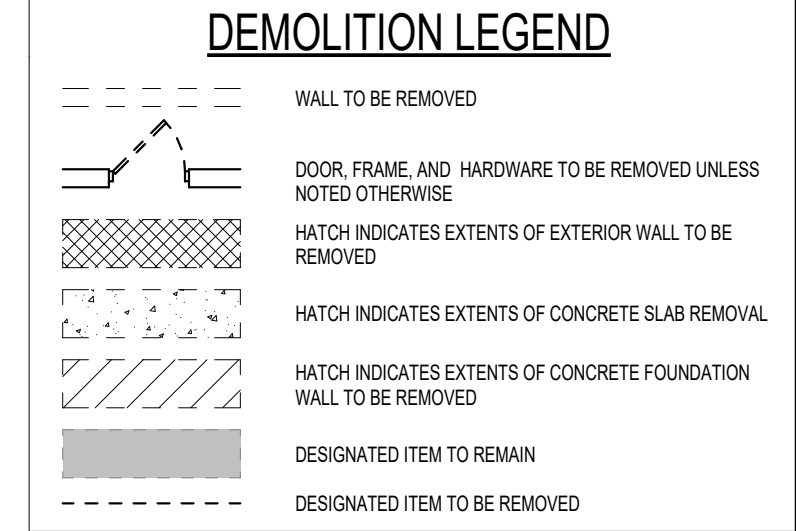


1 FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

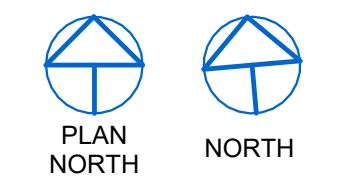
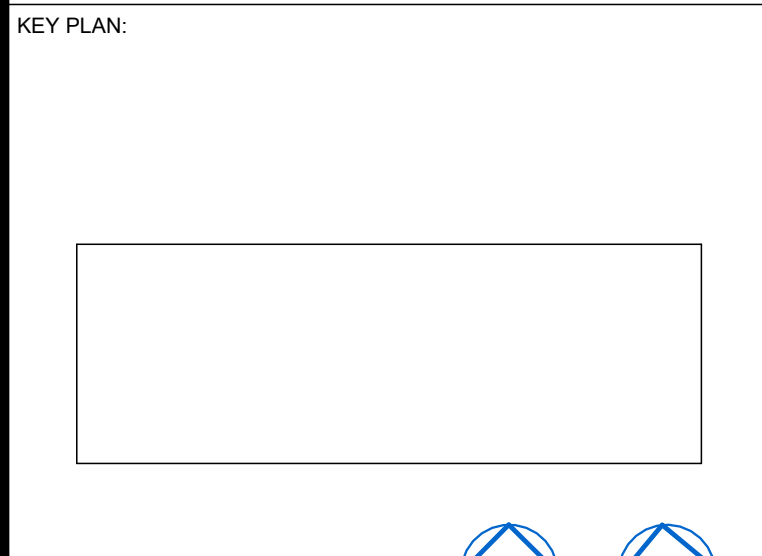


2 FIRST FLOOR SLAB CUTTING PLAN
SCALE: 1/8" = 1'-0"

DEMOLITION KEYNOTES	
D1	REMOVE DOWNSPOUT, GUTTER, SPLASHBLOCKS, AND ASSOCIATED HARDWARE IN THEIR ENTIRETY.
D2	REMOVE WINDOW UNIT, SILL, AND RELATED COMPONENTS IN THEIR ENTIRETY. CLEAN AND PREPARE ROUGH OPENING TO RECEIVE NEW WINDOW UNIT.
D3	REMOVE DOOR, FRAME, AND HARDWARE IN THEIR ENTIRETY. CLEAN AND PREPARE ROUGH OPENING TO RECEIVE NEW DOOR.
D5	REMOVE TOILET ROOM ACCESSORIES WITHIN SPACE AND TURN OVER TO OWNER.
D7	CAREFULLY REMOVE AND SALVAGE OVERHEAD DOOR, TRACK, HARDWARE, AND RELATED COMPONENTS IN THEIR ENTIRETY AND TURN OVER TO OWNER. COORDINATE WITH E-CONTRACTOR FOR DISCONNECT OF MOTOR AND ELECTRIFIED HARDWARE.
D8	REMOVE PARTITION WALLS INCLUDING ALL COMPONENTS WITHIN THE WALL SYSTEM. PATCH AND MATCH ALL ADJACENT FINISHES THAT ARE EXISTING TO REMAIN.
D9	REMOVE AND DISPOSE BUILT-IN CASEWORK IN THEIR ENTIRETY. PATCH AND MATCH ALL ADJACENT FLOOR AND WALL SURFACES TO MATCH EXISTING.
D10	REMOVE PORTION OF EXTERIOR STRUCTURAL METAL PANEL WALL ASSEMBLY TO ACCOMMODATE NEW CONSTRUCTION. COORDINATE EXTENTS OF REMOVAL WORK WITH NEW WORK PLANS AND ELEVATIONS.
D11	REMOVE WINDOW UNIT, SILL, AND RELATED COMPONENTS IN THEIR ENTIRETY. CLEAN AND PREPARE ROUGH OPENING TO RECEIVE WALL SYSTEM INFILL.
D12	REMOVE DOOR, FRAME, AND HARDWARE IN THEIR ENTIRETY. CLEAN AND PREPARE ROUGH OPENING TO RECEIVE WALL SYSTEM INFILL.
D13	REMOVE DOOR, FRAME, AND HARDWARE.
D15	REMOVE SUSPENDED ACOUSTICAL CEILING SYSTEM WITHIN SPACE IN ITS ENTIRETY. COORDINATE REMOVAL OF CEILING-MOUNTED FIXTURES AND EQUIPMENT WITH M., P., AND E-CONTRACTORS.
D16	REMOVE CARPET, ADHESIVE SYSTEM, AND ASSOCIATED TRANSITIONS STRIPS WITHIN SPACE.
D17	REMOVE RESILIENT FLOORING, ADHESIVE SYSTEM, AND ASSOCIATED TRANSITIONS WITHIN SPACE.
D18	REMOVE WINDOW UNIT, SILL, AND RELATED COMPONENTS IN THEIR ENTIRETY.
D19	CAREFULLY REMOVE OVERHEAD DOOR, TRACK, HARDWARE AND RELATED COMPONENTS IN THEIR ENTIRETY. SALVAGE AND STORE IN CLEAN AND DRY ENVIRONMENT FOR REINSTALLATION. COORDINATE WITH E-CONTRACTOR FOR DISCONNECT OF MOTOR AND ELECTRIFIED HARDWARE.
D20	SALVAGE EXISTING FULL HEIGHT STRUCTURAL METAL PANEL PLUMBING FIXTURES WITHIN SPACE TO BE REMOVED BY P-CONTRACTOR.
DS1	CUT AND REMOVE CONCRETE SLAB TO EXTENTS INDICATED TO FACILITATE INSTALLATION OF NEW CONCRETE SLAB AND PLUMBING WORK. EXISTING FOUNDATION WALL ALONG COLUMN LINE 1" TO REMAIN. MAINTAIN CLEARANCES AS REQUIRED AROUND EXISTING METAL BUILDING FRAME AND BASE PLATE ASSEMBLIES.
DS2	CUT AND REMOVE CONCRETE SLAB TO EXTENTS INDICATED TO FACILITATE PLUMBING REMOVAL AND RENOVATION WORK. MAINTAIN CLEARANCES AS REQUIRED AROUND EXISTING METAL BUILDING FRAME AND BASE PLATE ASSEMBLIES. COORDINATE FINAL LOCATION OF SLAB CUTTING WITH P-CONTRACTOR.



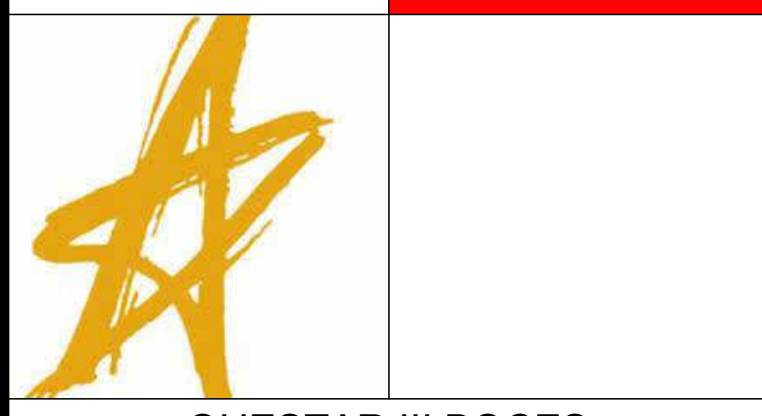
- GENERAL DEMOLITION NOTES**
- PREPARING WALLS, FLOOR AND CEILING FOR NEW FINISHES MEANS INFILLING ALL HOLES, CRACKS AND IMPERFECTIONS, WHETHER NEW OR EXISTING, FOR A SMOOTH FINISH APPEARANCE.
 - REMOVE ALL ITEMS INDICATED W/ DASHED LINES DESIGNATED FOR DEMOLITION. PATCH & MATCH ALL DISTRIBUTED SURFACES (WALLS, FLOORS, CEILINGS, ETC.) PROPERLY PREPARE SURFACES TO RECEIVE NEW SPECIFIED FINISH.
 - REFER TO ROOF PLAN FOR LOCATIONS OF NEW ROF PENETRATIONS AND SIZES. COORDINATE WITH M- AND P- CONTRACTORS AS REQUIRED.
 - OWNER SHALL REMOVE AND RELOCATE ALL MOBILE FURNITURE THAT IS LOCATED IN SPACES WHERE WORK IS TO BE PERFORMED PRIOR TO DEMOLITION. G.C. TO COORDINATE WITH OWNER AS REQUIRED TO RELOCATE FURNITURE.
 - SEE SHEET G001 FOR GENERAL NOTES REGARDING DEMOLITION AND LIFE SAFETY.
 - DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS. REFER TO "A" DRAWINGS FOR DIMENSIONS REQUIRED. CRITICAL DIMENSIONS ARE TO BE FIELD VERIFIED OR OBTAINED FROM THE ARCHITECT.
 - CAULK JOINTS WHERE INDICATED ON DRAWINGS AS WELL AS ALL JOINTS BETWEEN DISSIMILAR MATERIALS.
 - COORDINATE WORK WITH M.C. P.C. AND E.C. PENETRATIONS THROUGH THE WALLS AND FLOORS ARE TO BE PERFORMED BY THE GENERAL CONTRACTOR.
 - PRIOR TO INSTALLATION OF NEW METAL PANEL RAINSCREEN SYSTEM, INSPECT AND FIX ANY PORTIONS OF EXISTING STRUCTURAL METAL PANEL WALL SYSTEM THAT PROTRUDES OUTWARD INTO LOCATION OF NEW RAINSCREEN SYSTEM.
 - DEMOLITION KEYNOTES LISTED ON SHEET REFER TO ASSOCIATED DRAWING ONLY. NUMBERS MAY NOT BE IN NUMERICAL ORDER.
 - REMOVE ALL FLOORING, ASSOCIATED UNDERLAYMENT SYSTEMS, AND WALL BASE AS APPLICABLE WITHIN BUILDING DOWN TO CONCRETE SLAB BELOW. PREP CONCRETE TO RECEIVE NEW FLOORING FINISHES AS SCHEDULED.



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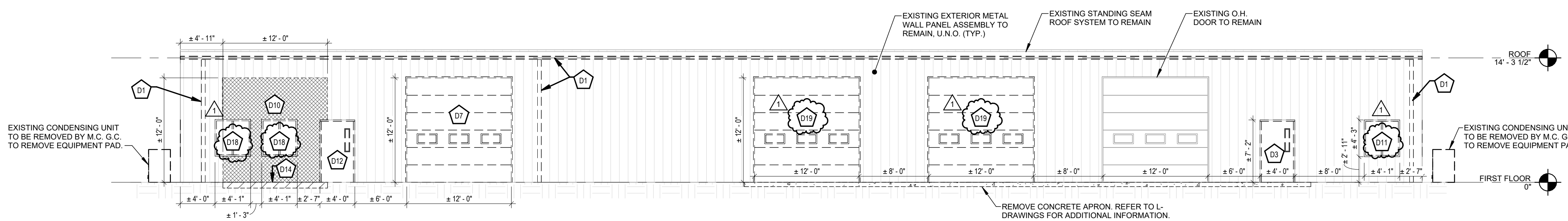
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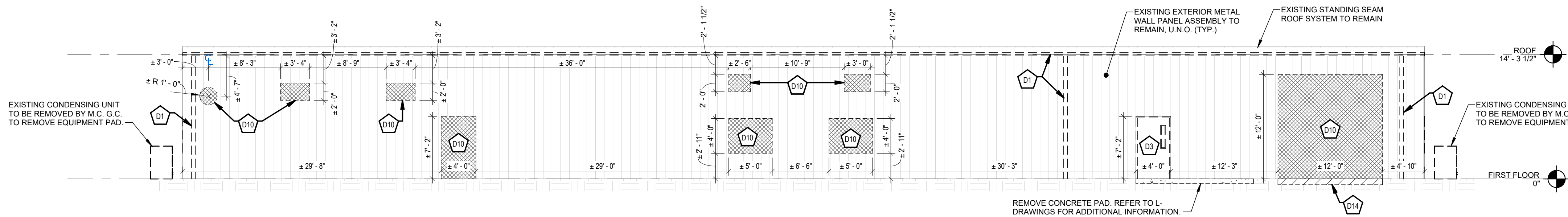
DRAWN BY JAD	PROJECT NUMBER 2023-038
CHECKED BY JAS	DATE 03/08/2024

DEMOLITION PLANS

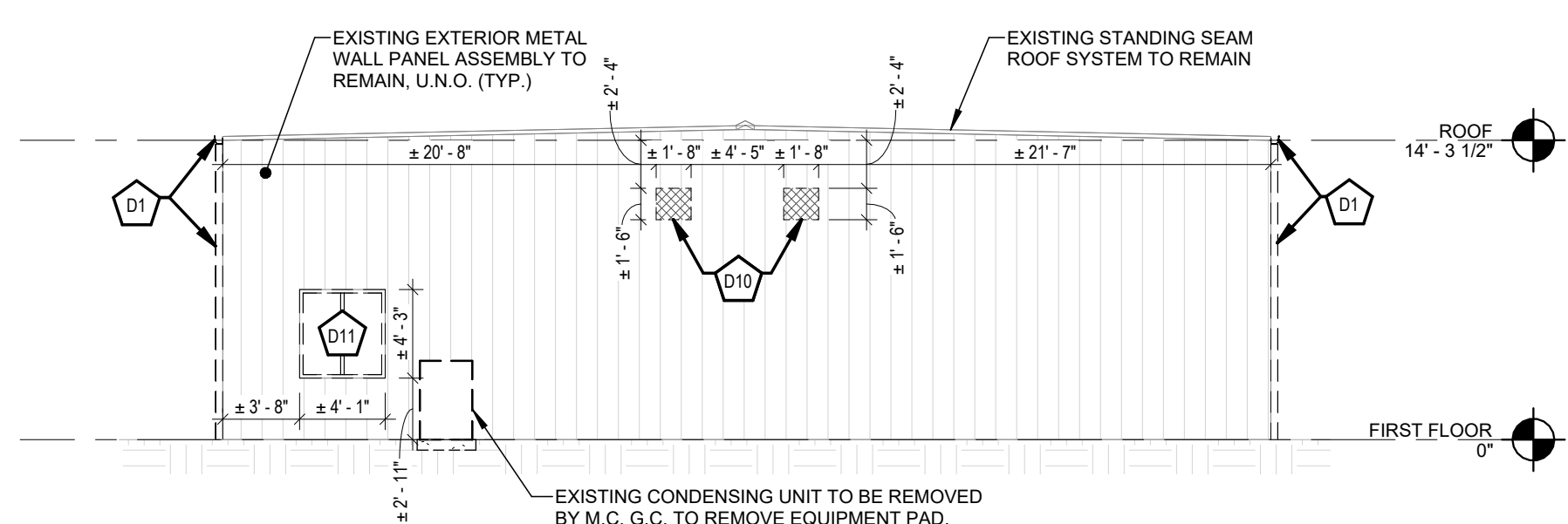
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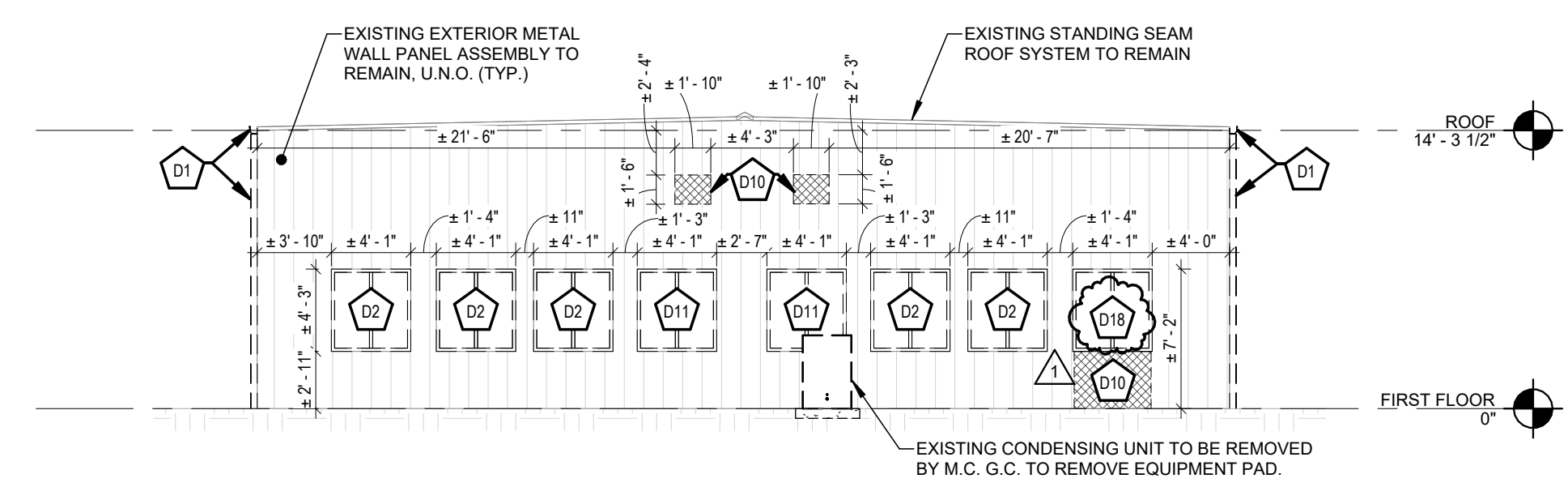
1 EXTERIOR DEMOLITION ELEVATION - NORTH
SCALE: 1/8" = 1'-0"



2 EXTERIOR DEMOLITION ELEVATION - SOUTH
SCALE: 1/8" = 1'-0"



4 EXTERIOR DEMOLITION ELEVATION - WEST
SCALE: 1/8" = 1'-0"



3 EXTERIOR DEMOLITION ELEVATION - EAST
SCALE: 1/8" = 1'-0"

DE	DEMOLITION KEYNOTES
D1	REMOVE DOWNSPOUT, GUTTER, SPLASHBLOCKS, AND ASSOCIATED HARDWARE IN THEIR ENTIRETY.
D2	REMOVE WINDOW UNIT, SILL, AND RELATED COMPONENTS IN THEIR ENTIRETY. CLEAN AND PREPARE ROUGH OPENING TO RECEIVE NEW WINDOW UNIT.
D3	REMOVE DOOR, FRAME, AND HARDWARE IN THEIR ENTIRETY. CLEAN AND PREPARE ROUGH OPENING TO RECEIVE NEW DOOR.
D7	CAREFULLY REMOVE AND TAG OVERHEAD DOOR, TRACK, HARDWARE, AND RELATED COMPONENTS IN THEIR ENTIRETY, AND TURN OVER TO OWNER. COORDINATE WITH E-CONTRACTOR FOR DISCONNECT OF MOTOR AND ELECTRIFIED HARDWARE.
D10	REMOVE PORTION OF EXTERIOR STRUCTURAL METAL PANEL WALL ASSEMBLY TO ACCOMMODATE NEW CONSTRUCTION. COORDINATE EXTENTS OF REMOVAL WORK WITH NEW WORK PLANS AND ELEVATIONS.
D11	REMOVE WINDOW UNIT, SILL, AND RELATED COMPONENTS IN THEIR ENTIRETY. CLEAN AND PREPARE ROUGH OPENING TO RECEIVE WALL SYSTEM INFILL.
D12	REMOVE DOOR, FRAME, AND HARDWARE IN THEIR ENTIRETY. CLEAN AND PREPARE ROUGH OPENING TO RECEIVE WALL SYSTEM INFILL.
D14	REMOVE 6" SOLID CONCRETE BLOCK TOP COURSE AT LOCATION OF NEW OVERHEAD DOOR OPENING. EXISTING 8" CMU BLOCK FOUNDATION WALL TO REMAIN. REFER TO DETAIL B1310 FOR ADDITIONAL INFORMATION.
D18	REMOVE WINDOW UNIT, SILL, AND RELATED COMPONENTS IN THEIR ENTIRETY.
D19	CAREFULLY REMOVE OVERHEAD DOOR, TRACK, HARDWARE, AND RELATED COMPONENTS IN THEIR ENTIRETY. SALVAGE AND STORE IN CLEAN AND DRY ENVIRONMENT FOR REINSTALLATION. COORDINATE WITH E-CONTRACTOR FOR DISCONNECT OF MOTOR AND ELECTRIFIED HARDWARE.

DEMOLITION LEGEND	
[Hatched Box]	WALL TO BE REMOVED
[Dashed Box]	DOOR, FRAME, AND HARDWARE TO BE REMOVED UNLESS NOTED OTHERWISE
[Cross-hatched Box]	HATCH INDICATES EXTENTS OF EXTERIOR WALL TO BE REMOVED
[Dotted Box]	HATCH INDICATES EXTENTS OF CONCRETE SLAB REMOVAL
[Diagonal Lines]	HATCH INDICATES EXTENTS OF CONCRETE FOUNDATION WALL TO BE REMOVED
[Solid Grey Box]	DESIGNATED ITEM TO REMAIN
[Dashed Line]	DESIGNATED ITEM TO BE REMOVED

- GENERAL DEMOLITION NOTES**
- PREPARING WALLS, FLOOR AND CEILING FOR NEW FINISHES MEANS INFILLING ALL HOLES, CRACKS AND IMPERFECTIONS, WHETHER NEW OR EXISTING, FOR A SMOOTH FINISH APPEARANCE.
 - REMOVE ALL ITEMS INDICATED W/ DASHED LINES DESIGNATED FOR DEMOLITION. PATCH & MATCH ALL DISTRIBUTED SURFACES (WALLS, FLOORS, CEILINGS, ETC.) PROPERLY PREPARE SURFACES TO RECEIVE NEW SPECIFIED FINISH.
 - REFER TO ROOF PLAN FOR LOCATIONS OF NEW ROF PENETRATIONS AND SIZES. COORDINATE WITH M- AND P- CONTRACTORS AS REQUIRED.
 - OWNER SHALL REMOVE AND RELOCATE ALL MOBILE FURNITURE THAT IS LOCATED IN SPACES WHERE WORK IS TO BE PERFORMED PRIOR TO DEMOLITION. G.C. TO COORDINATE WITH OWNER AS REQUIRED TO RELOCATE FURNITURE.
 - SEE SHEET G001 FOR GENERAL NOTES REGARDING DEMOLITION AND LIFE SAFETY.
 - DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS. REFER TO "A" DRAWINGS FOR DIMENSIONS REQUIRED. CRITICAL DIMENSIONS ARE TO BE FIELD VERIFIED OR OBTAINED FROM THE ARCHITECT.
 - CAULK JOINTS WHERE INDICATED ON DRAWINGS AS WELL AS ALL JOINTS BETWEEN DISSIMILAR MATERIALS.
 - COORDINATE WORK WITH M.C. P.C. AND EC. PENETRATIONS THROUGH THE WALLS AND FLOORS ARE TO BE PERFORMED BY THE GENERAL CONTRACTOR.
 - PRIOR TO INSTALLATION OF NEW METAL PANEL RAINSCREEN SYSTEM, INSPECT AND FIX ANY PORTIONS OF EXISTING STRUCTURAL METAL PANEL WALL SYSTEM THAT PROTRUDES OUTWARD INTO LOCATION OF NEW RAINSCREEN SYSTEM.
 - DEMOLITION KEYNOTES LISTED ON SHEET REFER TO ASSOCIATED DRAWING ONLY. NUMBERS MAY NOT BE IN NUMERICAL ORDER.
 - REMOVE ALL FLOORING, ASSOCIATED UNDERLAYMENT SYSTEMS, AND WALL BASE AS APPLICABLE WITHIN BUILDING DOWN TO CONCRETE SLAB BELOW. PREP CONCRETE TO RECEIVE NEW FLOORING FINISHES AS SCHEDULED.

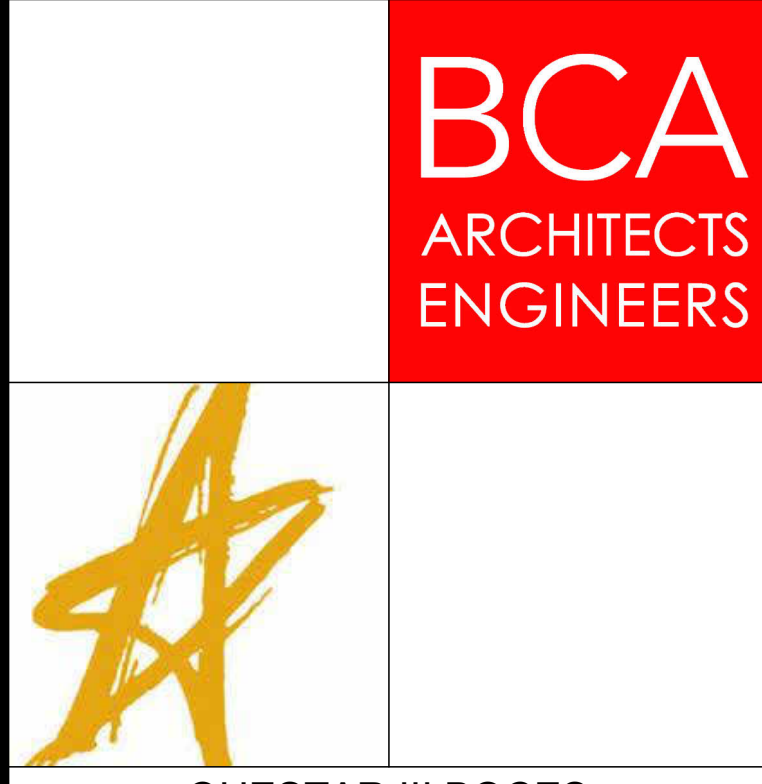
KEY PLAN:

PLAN NORTH NORTH

SED NO. 49-90-00-00-039-003

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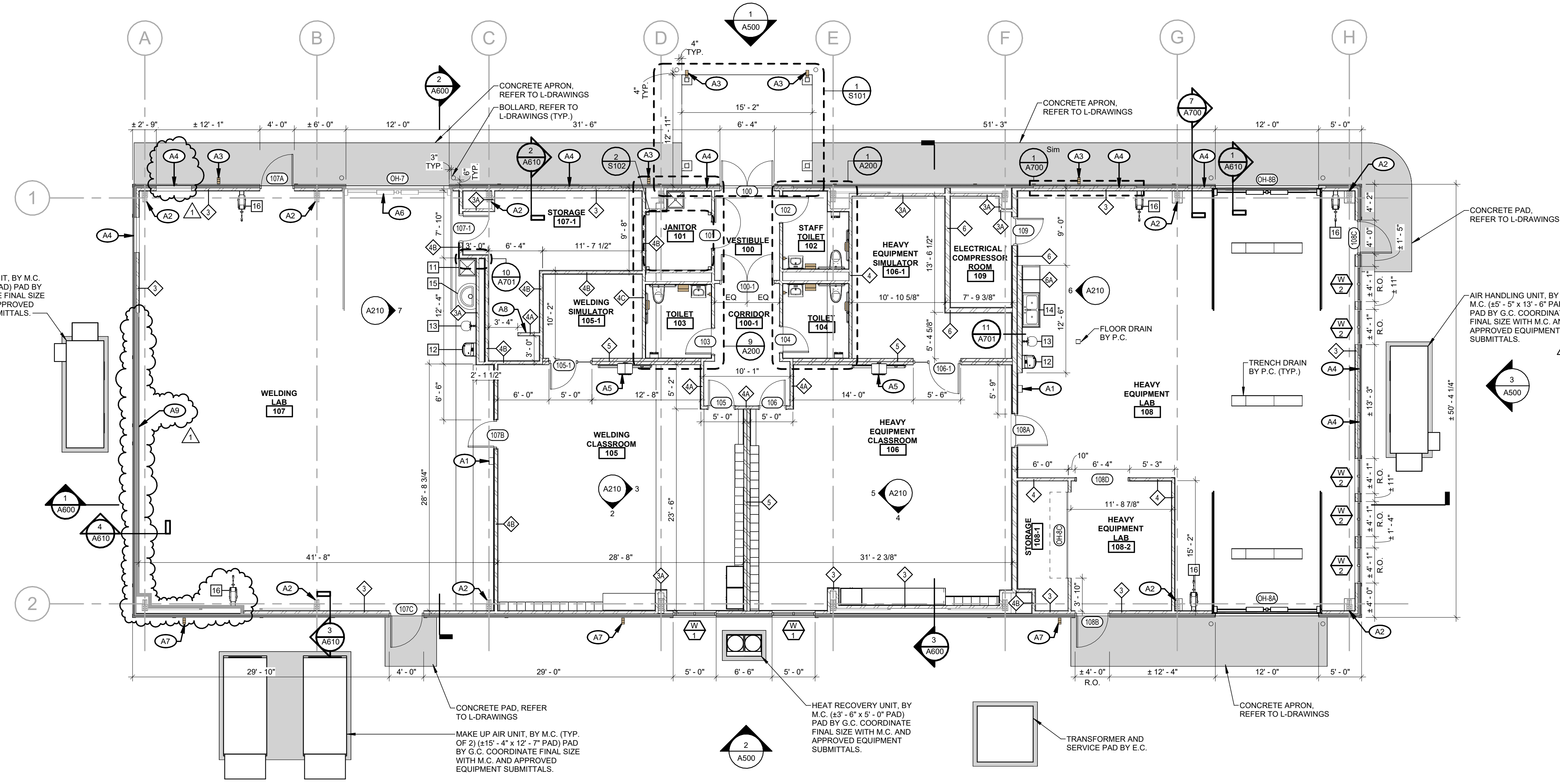
QUESTAR III BOCES
WAREHOUSE CONVERSION
35 COLLEEN RD, TROY, NY 12180
TROY - RENSSELAER COUNTY - NEW YORK

REV	DATE	DESCRIPTION
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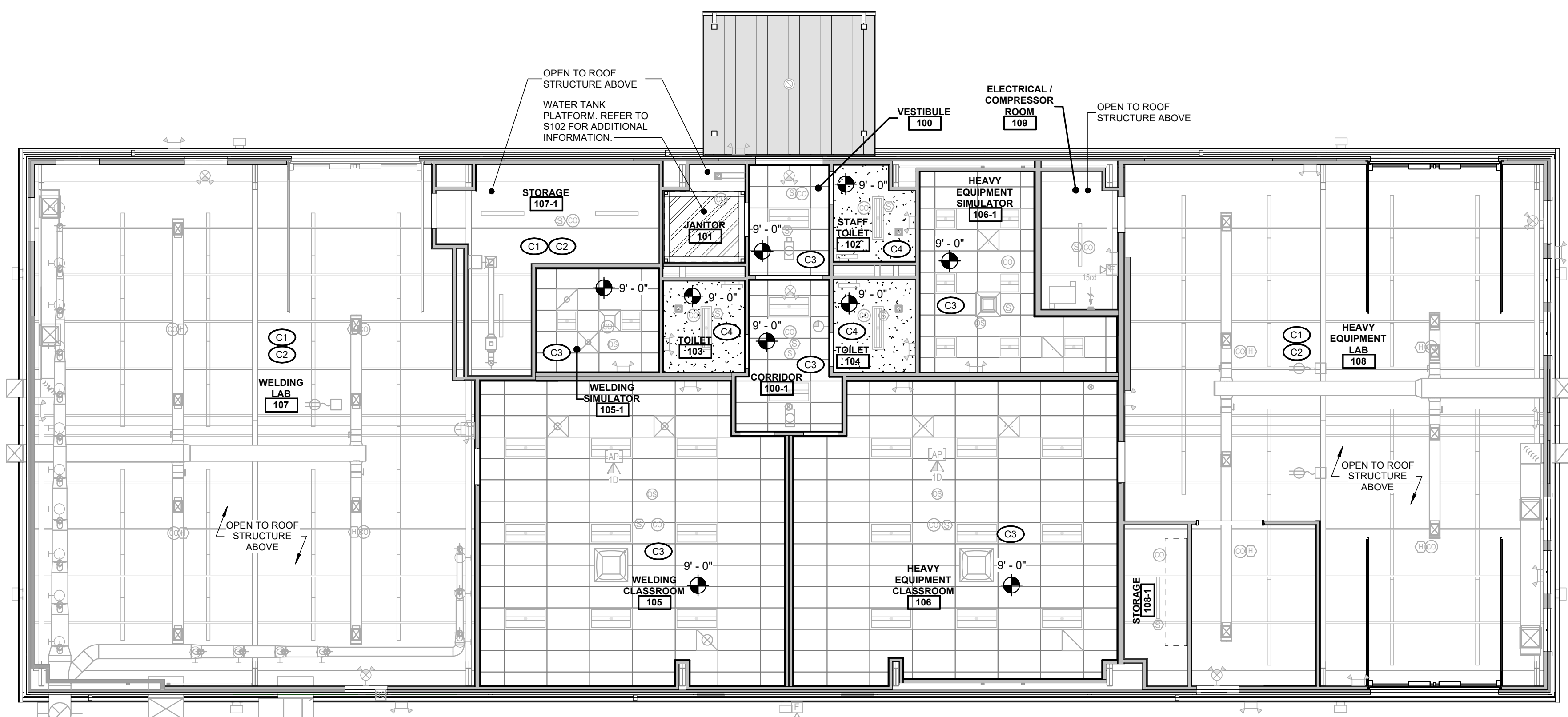
DRAWN BY SSL	PROJECT NUMBER 2023-038
CHECKED BY JAS	DATE 03/08/2024

DEMOLITION ELEVATIONS

SHEET NUMBER
AD500



1 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



2 FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

- RENOVATION NOTES**
- A1 INSTALL SURFACE-MOUNTED FIRE EXTINGUISHER CABINET WHERE INDICATED ON PLAN. MOUNT CABINET SUCH THAT TOP OF FIRE EXTINGUISHER IS 42" A.F.F. PROVIDE BLOCKING WITHIN WALL AS RECOMMENDED BY FIRE EXTINGUISHER MANUFACTURER.
 - A2 CLEAN EXPOSED SUPERSTRUCTURE MEMBERS IN THEIR ENTIRETY. PRIME AND FINISH PAINT. SEE ROOM FINISH SCHEDULE AND SPECIFICATIONS FOR MORE INFORMATION.
 - A3 PROVIDE 5"x5" METAL GUTTER AND 3"x4" DOWNSPOUT AS SPECIFIED, WHERE INDICATED ON PLAN. PROVIDE BLOCKING WITHIN EXTERIOR WALL FOR DOWNSPOUT ANCHORS. DOWNSPOUTS TO TIE INTO UNDERGROUND STORMWATER SYSTEM. REFER TO L-DRAWINGS FOR ADDITIONAL INFORMATION.
 - A4 PROVIDE WALL SYSTEM INFILL. REFER TO SHEET A700 FOR ADDITIONAL INFORMATION.
 - A5 ELECTRONIC TEACHING BOARD TO BE FURNISHED BY OWNER AND INSTALLED BY G-CONTRACTOR. PROVIDE BLOCKING WITHIN WALL AS REQUIRED FOR INSTALLATION. COORDINATE FINAL LOCATION OF BOARD WITH OWNER. COORDINATE FINAL LOCATION OF POWER AND DATA WITHIN WALL WITH E-CONTRACTOR. REFER TO SHEET A901 FOR ADDITIONAL INFORMATION.
 - A6 REMOVE EXISTING OVERHEAD DOOR MOTOR. E-CONTRACTOR TO DISCONNECT POWER. PROVIDE NEW MOTOR COMPATIBLE WITH EXISTING DOOR. E-CONTRACTOR TO CONNECT POWER.
 - A7 PROVIDE 5"x5" METAL GUTTER AND 3"x4" DOWNSPOUT AS SPECIFIED, WHERE INDICATED ON PLAN. PROVIDE BLOCKING WITHIN EXTERIOR WALL FOR DOWNSPOUT ANCHORS. PROVIDE ELBOW CONNECTION AND SPLASHBLOCK FOR STORMWATER DISCHARGE AT GRADE.
 - A8 PARTITION TO BE 8'-0" HIGH. MAINTAIN CONTINUITY OF ADJACENT 2-HOUR FIRE-RATED ASSEMBLY.
 - A9 EXISTING FURRED WALL ASSEMBLY TO REMAIN. PROVIDE FINISHED TRANSITION TO ADJOINING NEW WALL CONSTRUCTION. REFER TO PREP SURFACES TO RECEIVE NEW WALL FINISHES AS SCHEDULED.
 - C1 CLEAN EXPOSED SUPERSTRUCTURE MEMBERS IN THEIR ENTIRETY. PRIME AND FINISH PAINT. SEE ROOM FINISH SCHEDULE AND SPECIFICATIONS FOR MORE INFORMATION.
 - C2 PROVIDE INSULATED CEILING SYSTEM BETWEEN EXISTING ROOF PURLINS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. (TYP. FOR ENTIRE BUILDING FOOTPRINT.)
 - C3 PROVIDE 2"x4" SUSPENDED ACOUSTICAL CEILING TILE SYSTEM AS SPECIFIED. COORDINATE INSTALLATION OF CEILING MOUNTED FIXTURES AND EQUIPMENT WITH M- AND E-CONTRACTORS.
 - C4 PROVIDE GYPSUM BOARD AND METAL STUD FRAMED CEILING AS SPECIFIED WITHIN SPACE. PRIME AND PAINT EXPOSED GYPSUM BOARD SURFACES AS SCHEDULED. COORDINATE CEILING MOUNTED FIXTURES AND EQUIPMENT WITH M- AND E-CONTRACTORS.

REFLECTED CEILING PLAN LEGEND

- 2x4 SUSPENDED ACOUSTICAL CEILING TILE SYSTEM
- GYPSUM BOARD CEILING/SOFFIT, PAINTED AS SCHEDULED
- METAL BAR GRATING
- METAL CEILING PANEL
- 2x2 LIGHT FIXTURE, REFER TO E-DRAWINGS.
- 12x48 LIGHT FIXTURE, REFER TO E-DRAWINGS.
- LINEAR PENDANT MOUNT LIGHT FIXTURE, REFER TO E-DRAWINGS.
- SUPPLY DIFFUSER, REFER TO M-DRAWINGS.
- RETURN DIFFUSER, REFER TO M-DRAWINGS.
- A/C CEILING CASSETTE, REFER TO M-DRAWINGS.
- SMOKE DETECTOR, REFER TO E-DRAWINGS.
- HEAT DETECTOR, REFER TO E-DRAWINGS.
- CARBON MONOXIDE DETECTOR, REFER TO E-DRAWINGS.
- OCCUPANCY SENSOR, REFER TO E-DRAWINGS.
- WIRELESS ACCESS POINT, REFER TO E-DRAWINGS.
- EXTERIOR WALL PACK LIGHT, REFER TO E-DRAWINGS.
- CAMERA, REFER TO E-DRAWINGS.
- EXIT SIGN, REFER TO E-DRAWINGS.
- EMERGENCY LIGHT UNIT, REFER TO E-DRAWINGS.
- CEILING/SOFFIT ELEVATION (A.F.F.)

P.C. EQUIPMENT SCHEDULE

ITEM NO.	ITEM DESCRIPTION	FURNISHED	INSTALLED
11	MOP SINK	P.C.	P.C.
12	DRINKING FOUNTAIN	P.C.	P.C.
13	EMERGENCY EYE WASH	P.C.	P.C.
14	DOUBLE BAY SINK	P.C.	P.C.
15	WASH FOUNTAIN	P.C.	P.C.
16	HOSE WAND REEL	P.C.	P.C.

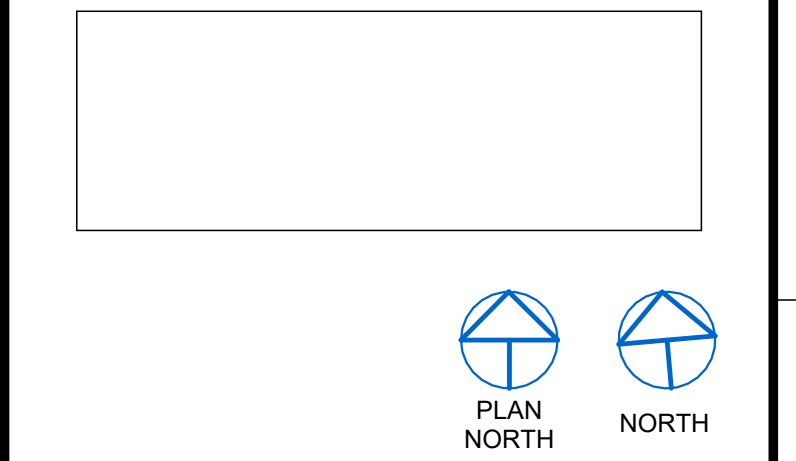
GENERAL FLOOR PLAN NOTES

1. CONTRACTORS ARE TO WORK DILIGENTLY AND CAREFULLY AND COORDINATE WITH EACH OTHER. WORK IS SHOWN ON THEIR RESPECTIVE DRAWINGS. PROPERLY PREPARE ALL DISTURBED SURFACES TO ACCEPT NEW WORKFINISHES AS SHOWN ON THE ARCHITECTURAL DRAWINGS, FINISH PLANS, ELEVATIONS, ETC. PATCH AND MATCH ALL DISTURBED SURFACES AS REQUIRED.
2. REFER TO SHEETS A800 FOR DOOR AND WINDOW SCHEDULES AND RELATED DETAILS.
3. REFER TO A900 SERIES SHEETS FOR ROOM FINISH PLANS, SCHEDULES, AND DETAILS.
4. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONS. REFER TO 'A' SERIES DRAWINGS FOR REQUIRED DIMENSIONS. CRITICAL DIMENSIONS SHALL BE OBTAINED FROM THE ARCHITECT IF REQUIRED.
5. CAULK ALL JOINTS WHERE INDICATED ON DRAWINGS AS WELL AS ALL JOINTS BETWEEN DISSIMILAR MATERIALS.
6. DIMENSIONS SHOWN ON PLANS ARE FROM FACE OF STUD TO FACE OF STUD (U.N.O.). VERIFY DISCREPANCIES IN DIMENSIONING WITH ARCHITECT.
7. MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS SHOWN ON PLANS ARE FOR REFERENCE ONLY. REFER TO AND COORDINATE WITH M-, E-, AND P-DRAWINGS FOR WORK.
8. PROVIDE UNIFORM SURFACE FINISH FOR CONCRETE SLAB WORK PRIOR TO APPLICATION OF FINISHES. COORDINATE WITH P-CONTRACTOR FOR TRENCHING BELOW SLAB FOR PLUMBING WORK. REFER TO S-DRAWINGS FOR ADDITIONAL INFORMATION.
9. G-CONTRACTOR TO BE RESPONSIBLE FOR PROVIDING CONCRETE EQUIPMENT PADS FOR MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT. COORDINATE WITH RESPECTIVE CONTRACTOR FOR FINAL SIZE AND LOCATION. SIZES SHOWN ON PLAN ARE APPROXIMATIONS.

GENERAL REFLECTED CEILING PLAN NOTES

1. SUSPENDED ACOUSTICAL CEILING TILE SYSTEM TO BE CENTERED IN SPACE UNLESS OTHERWISE NOTED.
2. FIXTURES AND EQUIPMENT SHOWN ON THE REFLECTED CEILING PLANS ARE SHOWN FOR DESIGN INTENT PURPOSES ONLY. REFER TO AND COORDINATE WITH OTHER TRADE DRAWINGS FOR TYPES AND QUANTITIES.

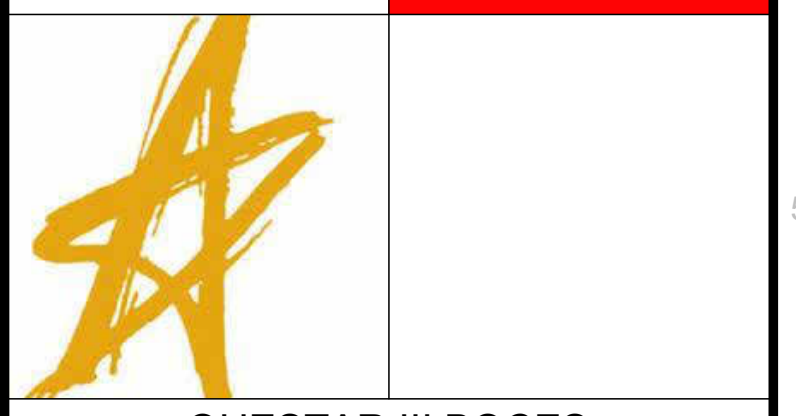
KEY PLAN:



SED NO. 49-50-00-00-0-039-003

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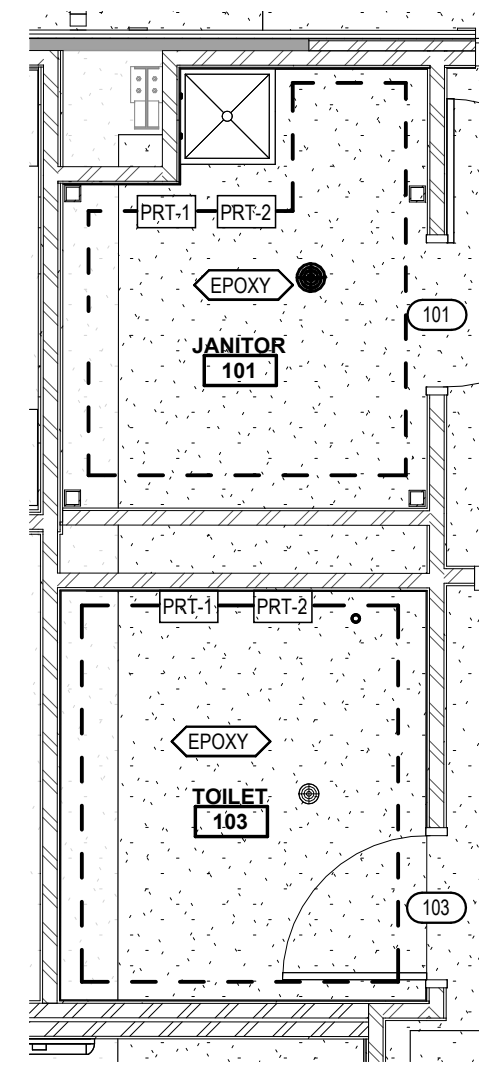
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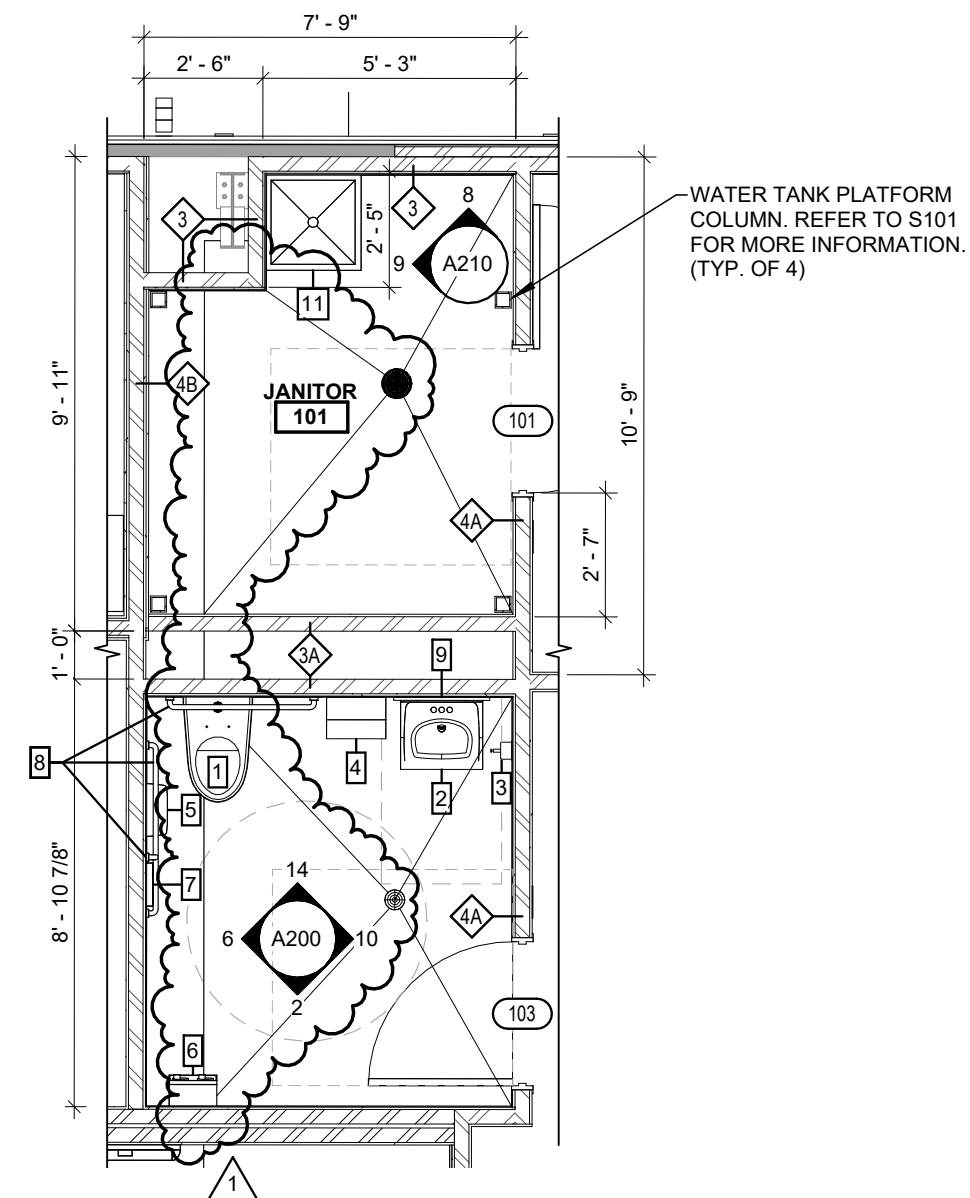
CHECKED BY	DATE
JAS	03/08/2024

FIRST FLOOR PLAN & REFLECTED CEILING PLAN

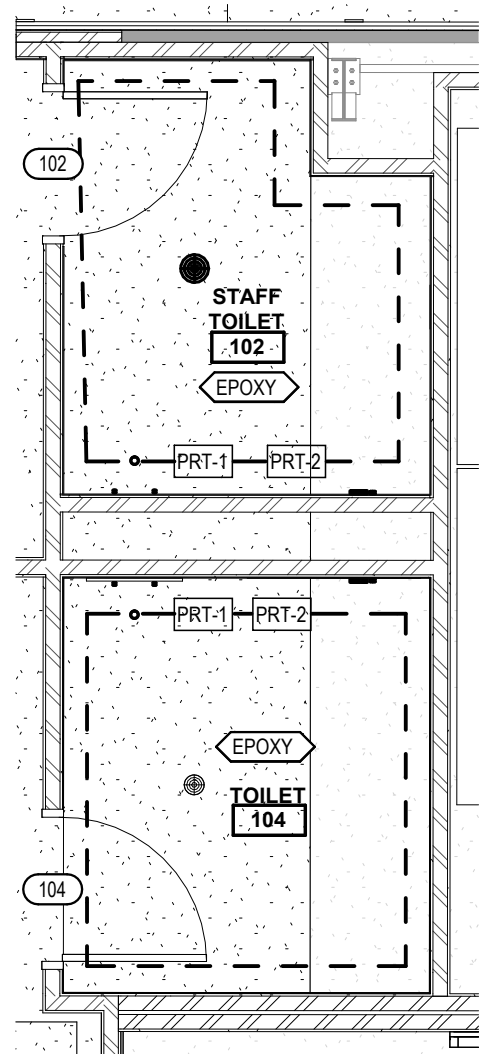
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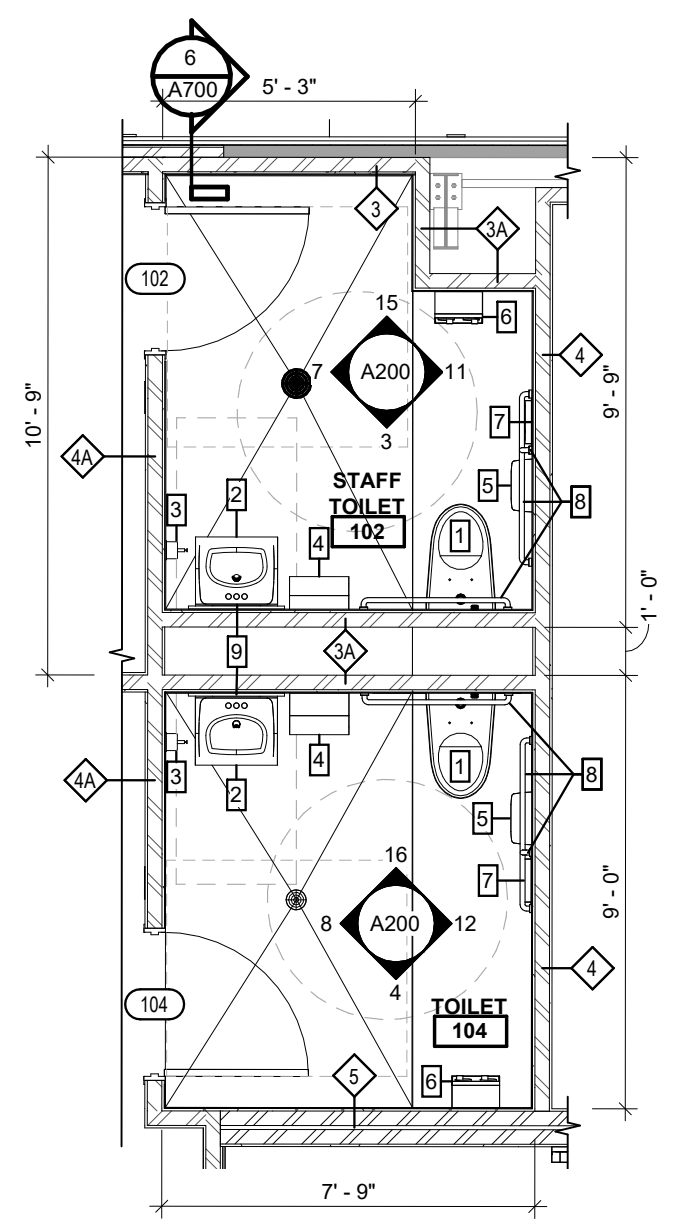
13 JANITOR 101 & TOILET 103 - FINISH PLAN
SCALE: 1/4" = 1'-0"



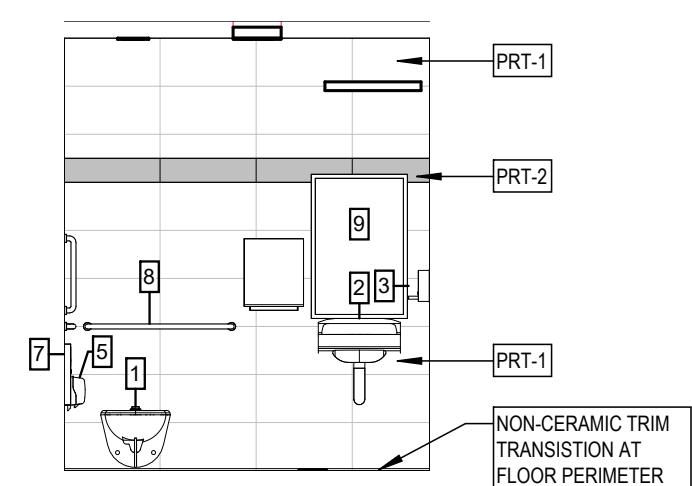
9 JANITOR 101 & TOILET 103 - PLAN
SCALE: 1/4" = 1'-0"



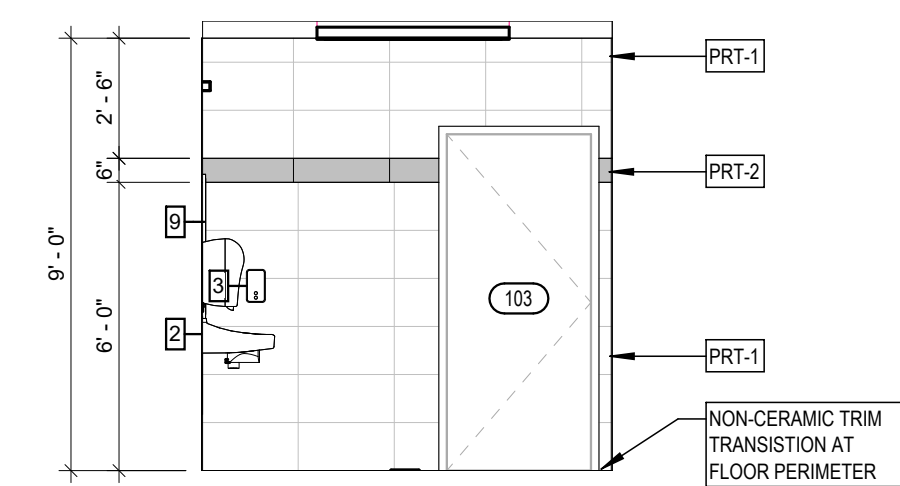
5 TOILET ROOMS 102 & 104 - FINISH PLAN
SCALE: 1/4" = 1'-0"



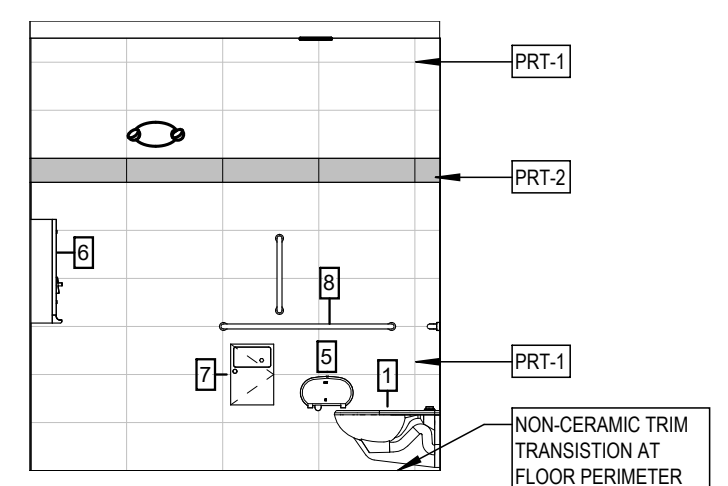
1 TOILET ROOMS 102 & 104 - PLAN
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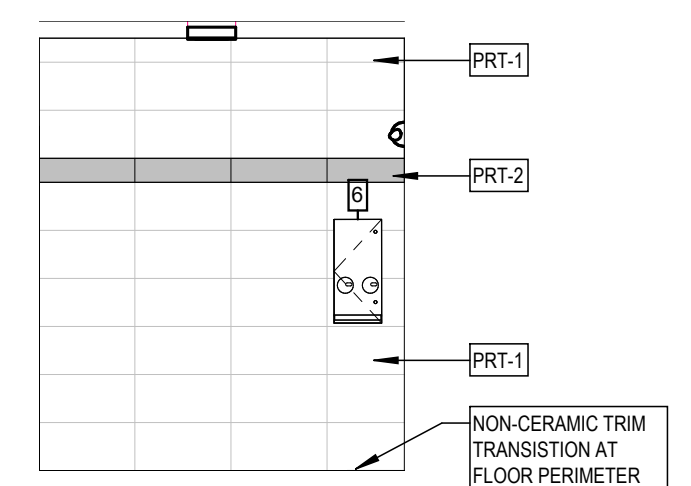
14 TOILET 101 - NORTH
SCALE: 1/4" = 1'-0"



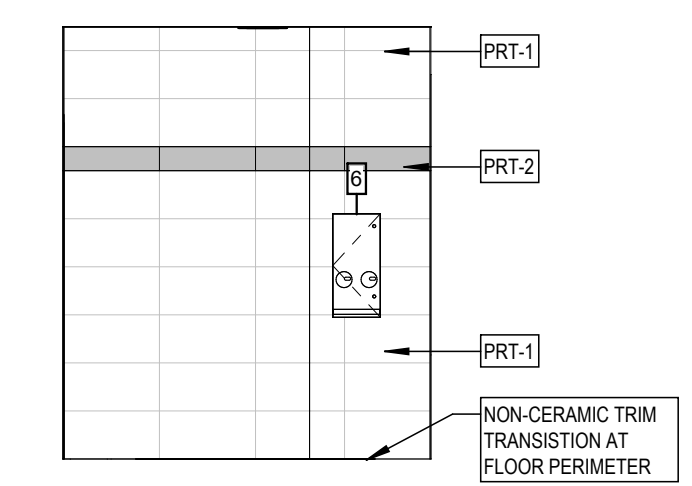
10 TOILET 101 - EAST
SCALE: 1/4" = 1'-0"



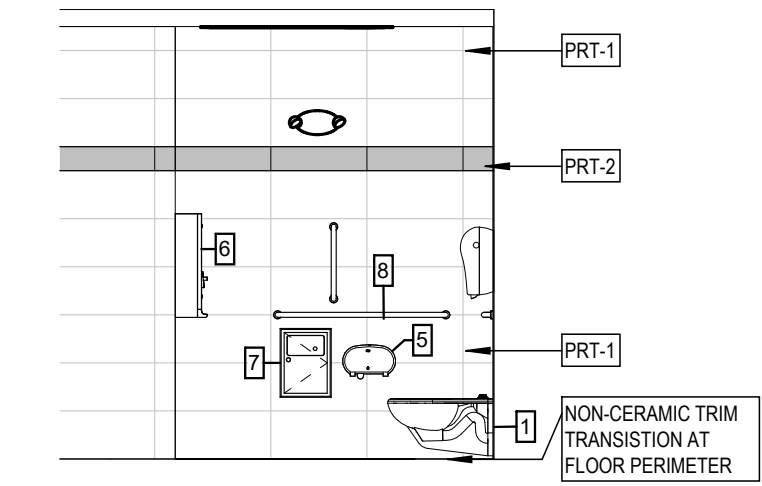
6 TOILET 101 - WEST
SCALE: 1/4" = 1'-0"



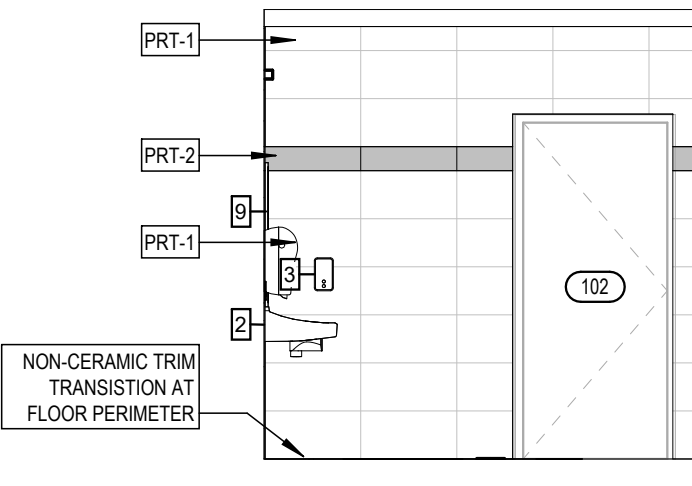
2 TOILET 101 - SOUTH
SCALE: 1/4" = 1'-0"



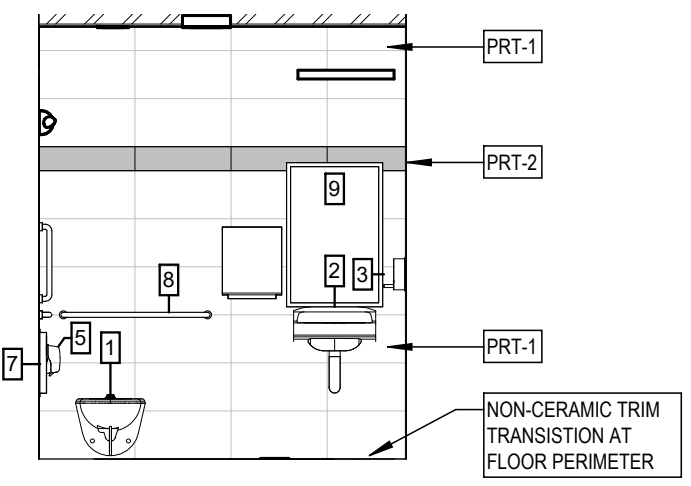
15 TOILET 102 - NORTH
SCALE: 1/4" = 1'-0"



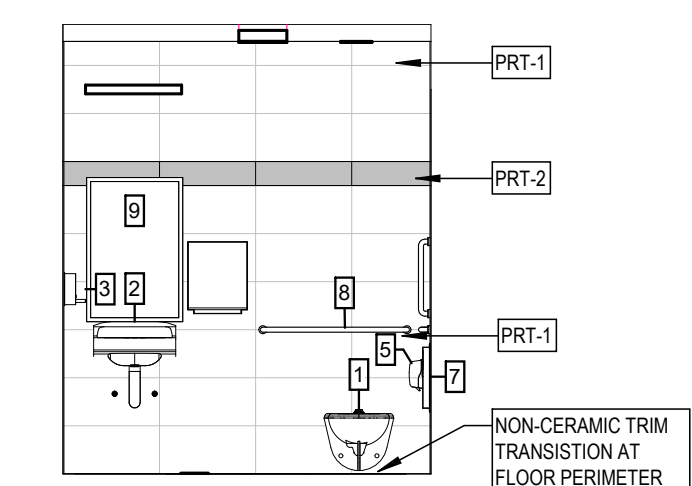
11 TOILET 102 - EAST
SCALE: 1/4" = 1'-0"



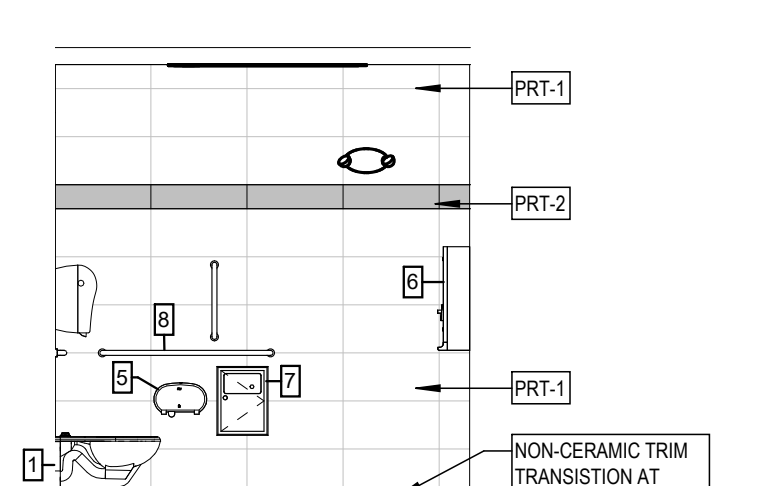
7 TOILET 102 - WEST
SCALE: 1/4" = 1'-0"



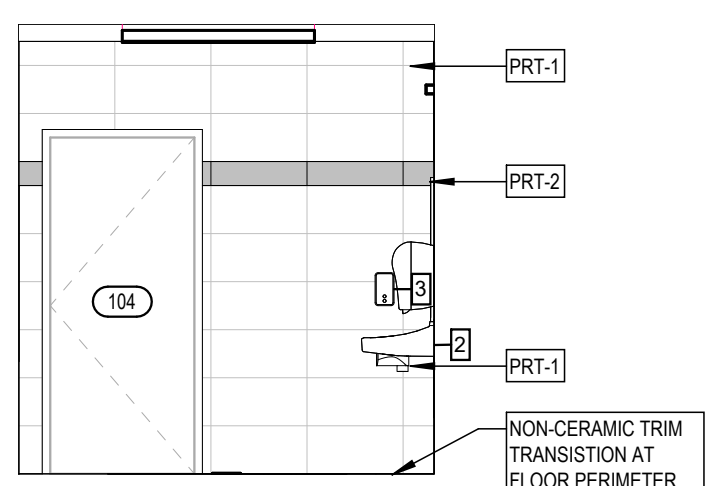
3 TOILET 102 - SOUTH
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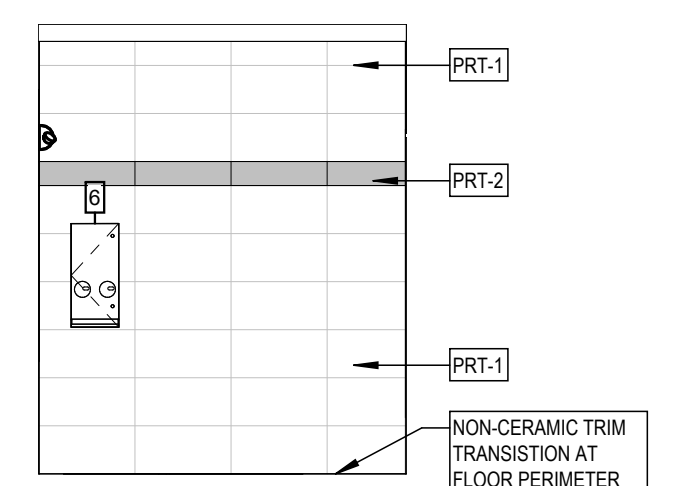
16 TOILET 104 - NORTH
SCALE: 1/4" = 1'-0"



12 TOILET 104 - EAST
SCALE: 1/4" = 1'-0"



8 TOILET 104 - WEST
SCALE: 1/4" = 1'-0"



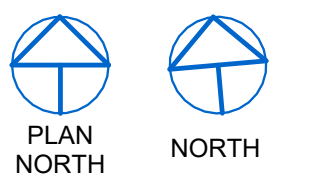
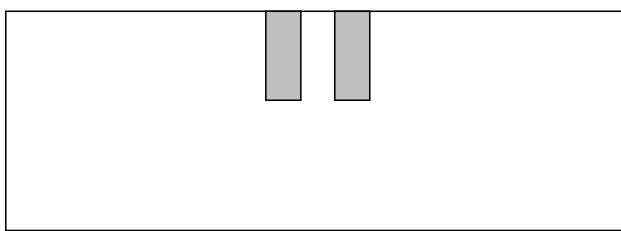
4 TOILET 104 - SOUTH
SCALE: 1/4" = 1'-0"

TOILET ROOM ACCESSORY SCHEDULE

ITEM NO.	DESCRIPTION	FURNISHED BY	INSTALLED BY
1	WATER CLOSET	P.C.	P.C.
2	SINK	P.C.	P.C.
3	SOAP DISPENSER	OWNER	G.C.
4	PAPER TOWEL DISPENSER	OWNER	G.C.
5	TOILET PAPER DISPENSER	OWNER	G.C.
6	SANITARY NAPKIN DISPENSER	OWNER	G.C.
7	SANITARY NAPKIN DISPOSAL	OWNER	G.C.
8	GRAB BARS	G.C.	G.C.
9	MIRROR - 24"W x 28"H (U.N.O.) CENTERED WITH SINK	G.C.	G.C.
10	2-TIER LOCKER	G.C.	G.C.
10A	2-TIER LOCKER (ADA)	G.C.	G.C.
11	MOP SINK	P.C.	P.C.
12	DRINKING FOUNTAIN	P.C.	P.C.
13	EMERGENCY EYE WASH	P.C.	P.C.
14	DOUBLE BAY SINK	P.C.	P.C.

- NOTES:**
- REFER TO SHEET AS001 FOR TYPICAL MOUNTING HEIGHT LOCATIONS AND BLOCKING INFORMATION.
 - GENERAL CONTRACTOR TO PROVIDE BLOCKING IN WALL FOR ITEMS PROVIDED BY G.C. AND FOR ITEMS TO BE FURNISHED BY OWNER AND INSTALLED BY G.C.
 - REFER TO ROOM FINISH PLANS AND SCHEDULE FOR ADDITIONAL INFORMATION.

KEY PLAN:



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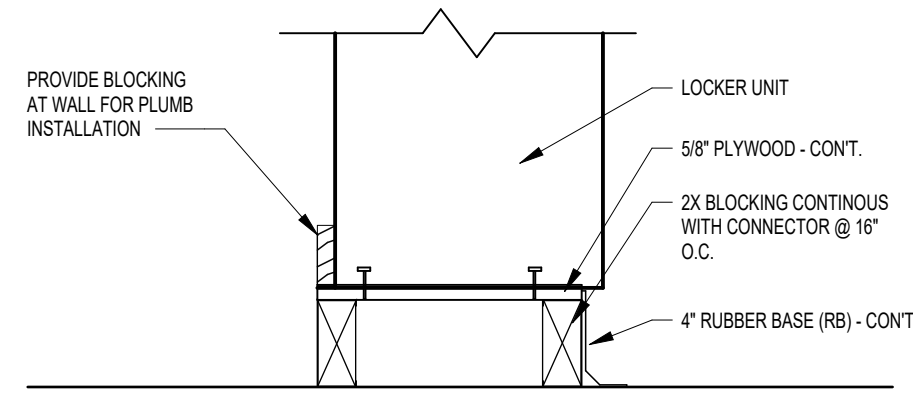
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CHECKED BY JAS	DATE 03/08/2024

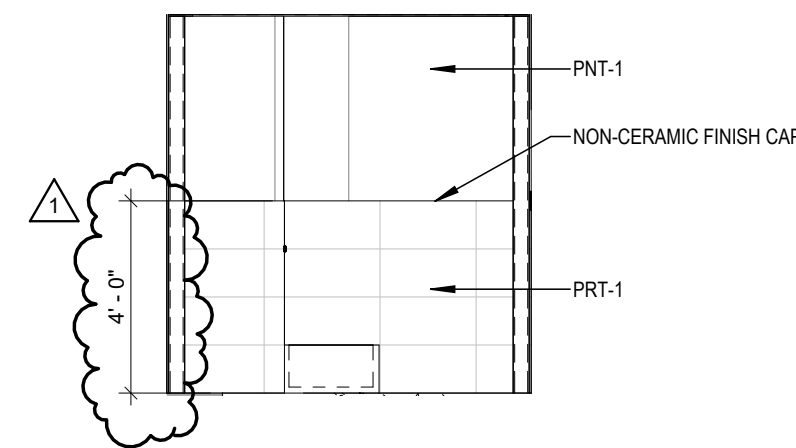
ENLARGED TOILET ROOM PLANS AND ELEVATIONS

SHEET NUMBER

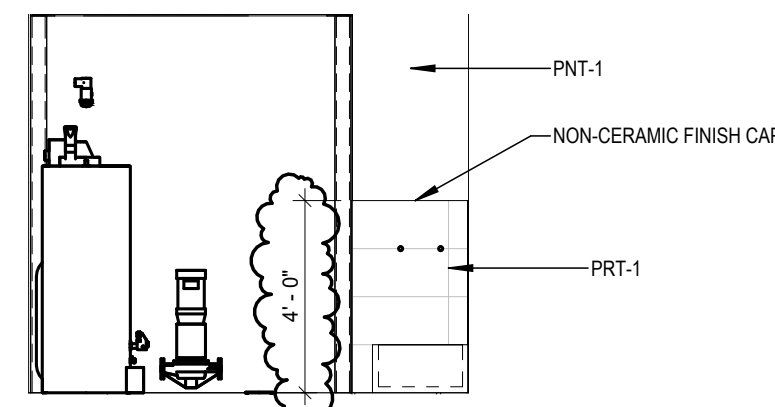
A200



10 LOCKER BASE DETAIL
SCALE: 1 1/2" = 1'-0"



8 JANITORS CLOSET 101- NORTH
SCALE: 1/4" = 1'-0"



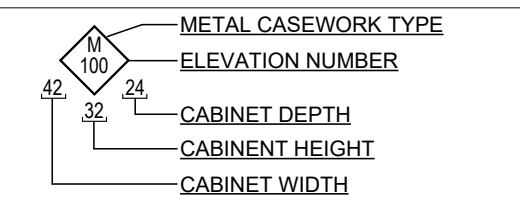
9 JANITORS CLOSET 101- WEST
SCALE: 1/4" = 1'-0"

TOILET ROOM ACCESSORY SCHEDULE			
ITEM NO.	DESCRIPTION	FURNISHED BY	INSTALLED BY
1	WATER CLOSET	P.C.	P.C.
2	SINK	P.C.	P.C.
3	SOAP DISPENSER	OWNER	G.C.
4	PAPER TOWEL DISPENSER	OWNER	G.C.
5	TOILET PAPER DISPENSER	OWNER	G.C.
6	SANITARY NAPKIN DISPENSER	OWNER	G.C.
7	SANITARY NAPKIN DISPOSAL	OWNER	G.C.
8	GRAB BARS	G.C.	G.C.
9	MIRROR - 24\"/>		

ABBREVIATION LIST

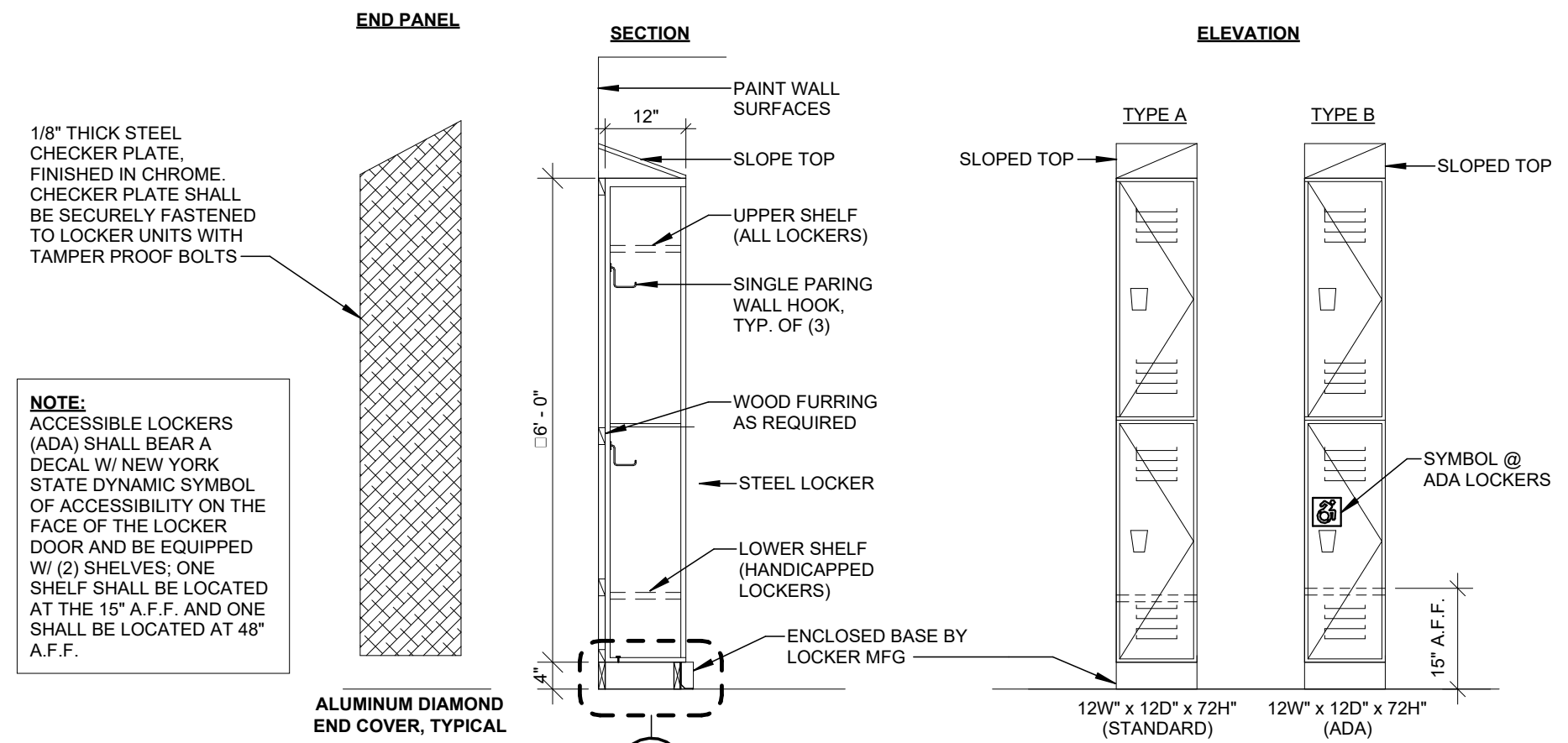
ACT-	ACOUSTICAL CEILING TILE
CFB-	CONCRETE FLOOR SEALER
FRP-	FIBERGLASS REINFORCED PLASTIC PANEL
GYP-	GYPSUM BOARD
EPF-	FULL-APPLIED EPOXY FLOORING
PNT-	PAINT
PRT-	PORCELAIN TILE
SSP-	STAINLESS STEEL PANEL
RB-	RUBBER BASE
CG-	CORNER GUARD

CABINERY INDICATORS

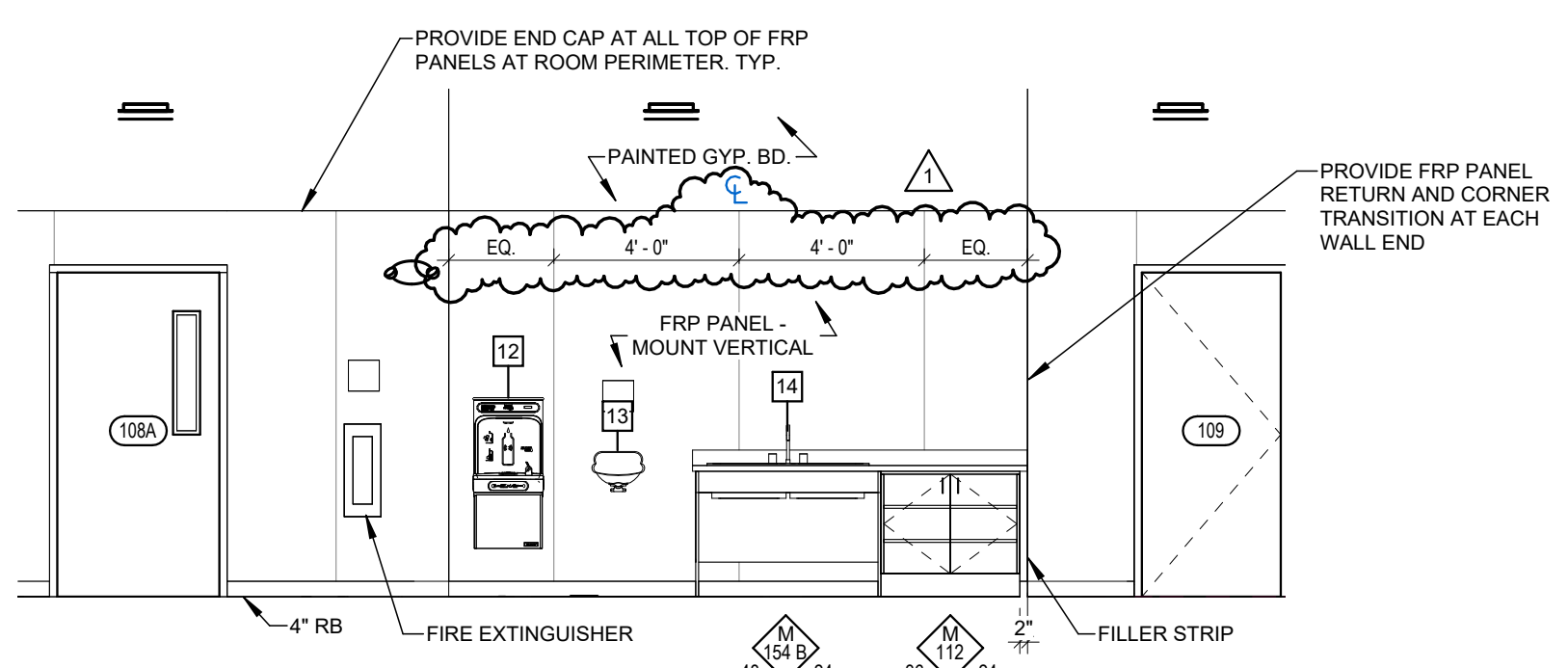


LOCKER INSTALLATION NOTES

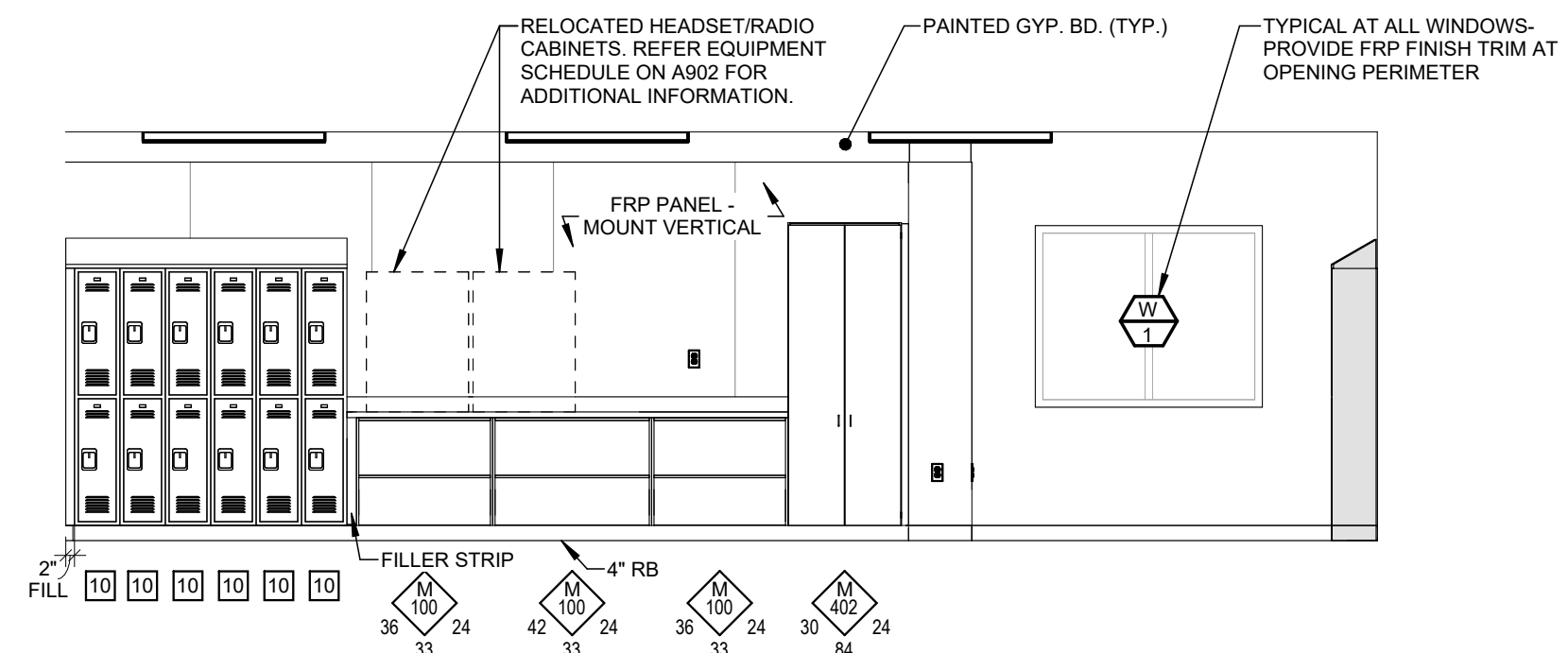
- THE GENERAL CONTRACTOR SHALL FIELD VERIFY DIMENSIONING OF ADJACENT CONSTRUCTION AND QUANTITIES PRIOR TO FABRICATION OF NEW LOCKERS.
- THE GENERAL CONTRACTOR SHALL PROVIDE ALL LOCKER ACCESSORIES, TRIM, AND OTHER RELATED INCIDENTAL MATERIALS FOR A COMPLETE AND PROPER LOCKER INSTALLATION.
- SEE PLANS AND ELEVATIONS FOR LOCATIONS OF NEW LOCKERS. REFER TO DETAIL 1/210 FOR TYPES AS DENOTED BY A FOR STANDARD LOCKERS AND LOCKERS AS DENOTED BY B FOR HANDICAPPED ACCESSIBLE LOCKERS.
- HANDICAPPED LOCKERS (ADA) SHALL BEAR A DECAL WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY ON THE FACE OF THE LOCKER DOOR AND BE EQUIPPED W/ (2) SHELVES.



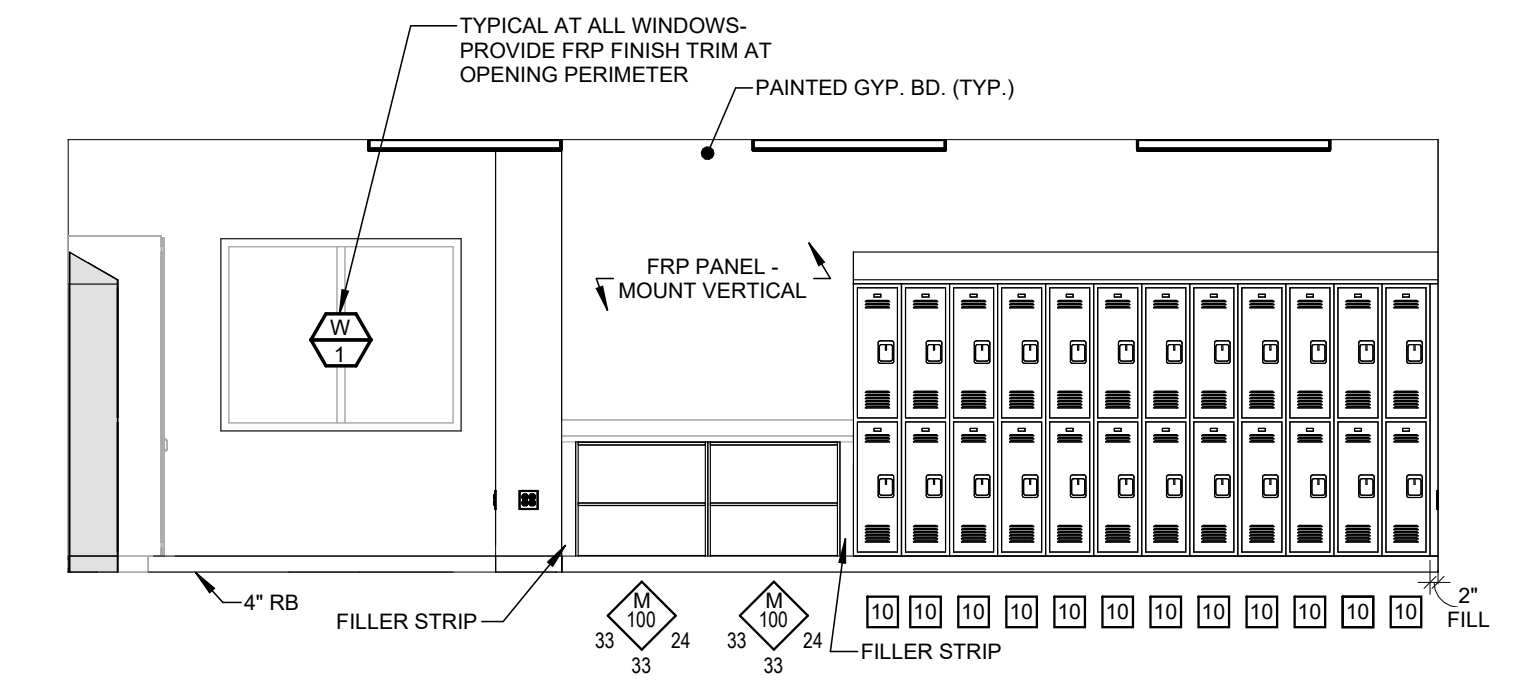
1 TYP. LOCKER DETAIL
SCALE: 1/2" = 1'-0"



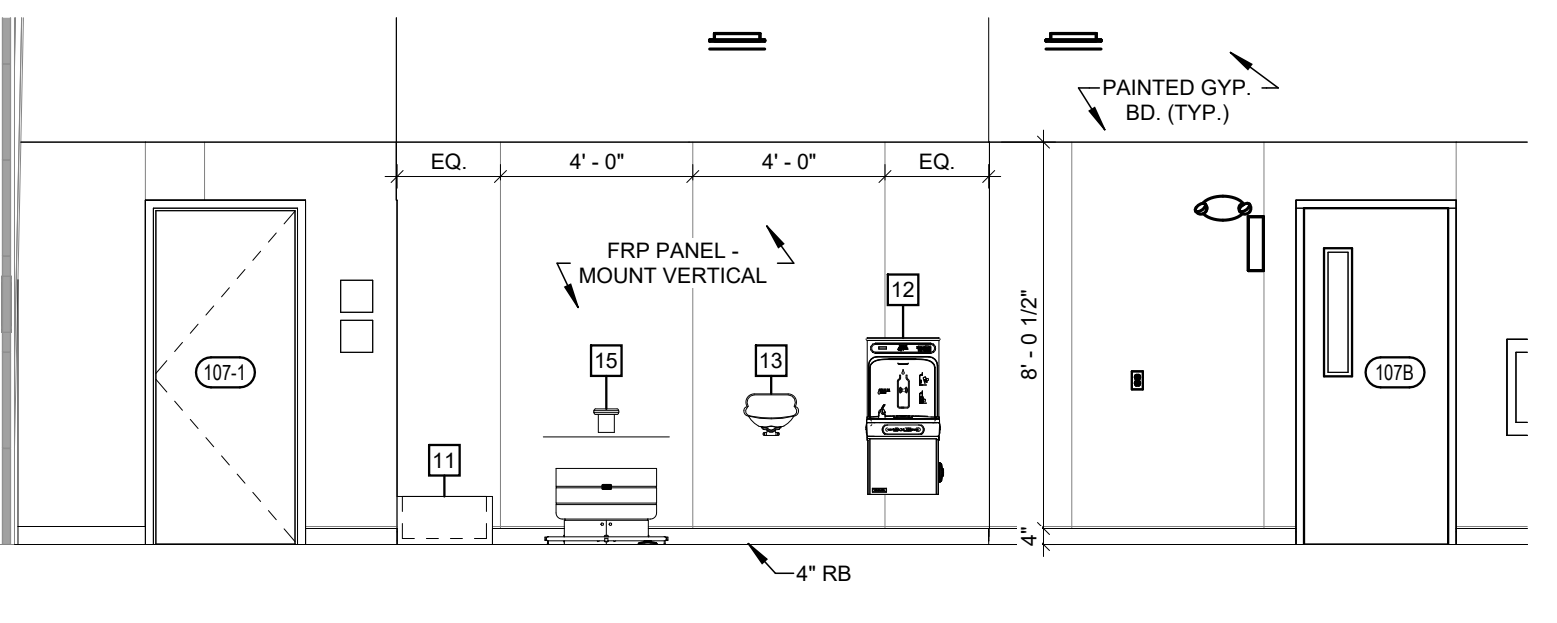
6 HEAVY EQUIPMENT LAB - WEST
SCALE: 1/4" = 1'-0"



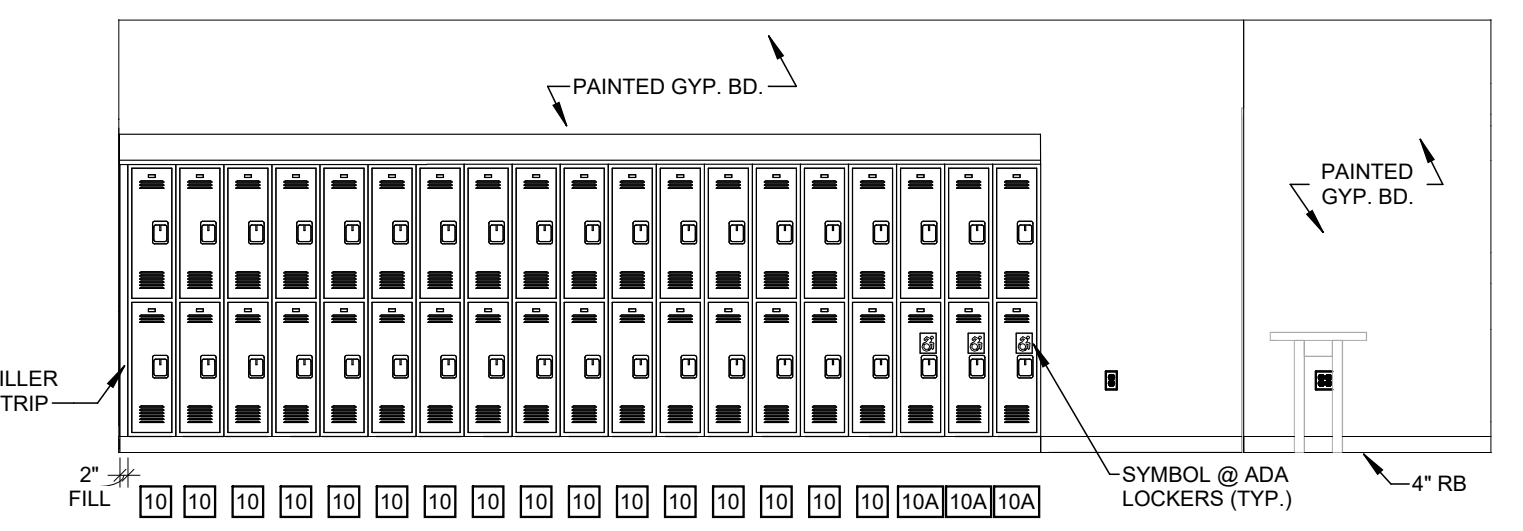
4 HEAVY EQUIPMENT CLASSROOM 106 - SOUTH
SCALE: 1/4" = 1'-0"



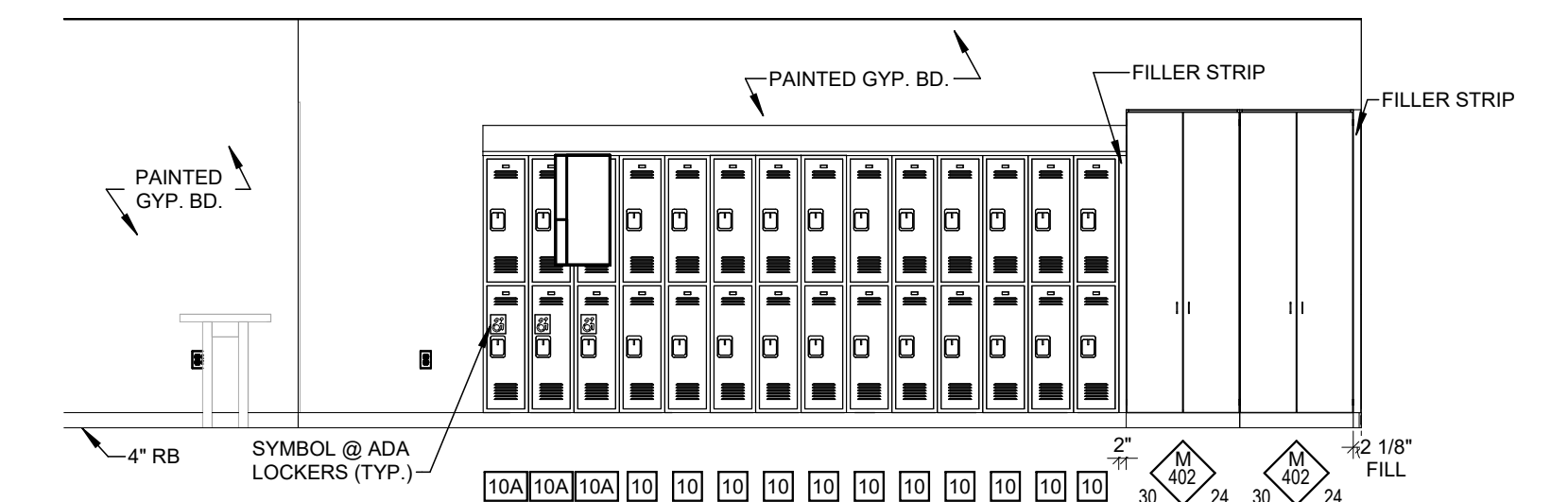
2 WELDING CLASSROOM 105 - SOUTH
SCALE: 1/4" = 1'-0"



7 WELDING LAB 107 - EAST
SCALE: 1/4" = 1'-0"

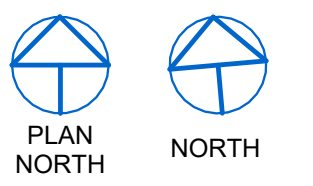
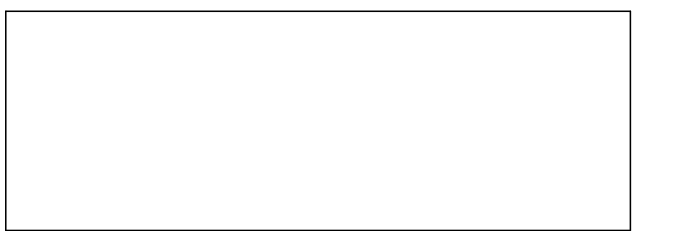


5 HEAVY EQUIPMENT CLASSROOM 106 - WEST
SCALE: 1/4" = 1'-0"



3 WELDING CLASSROOM 105 - EAST
SCALE: 1/4" = 1'-0"

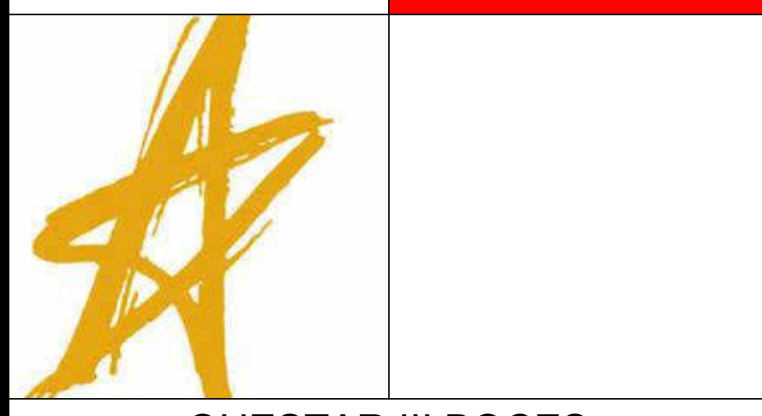
KEY PLAN:



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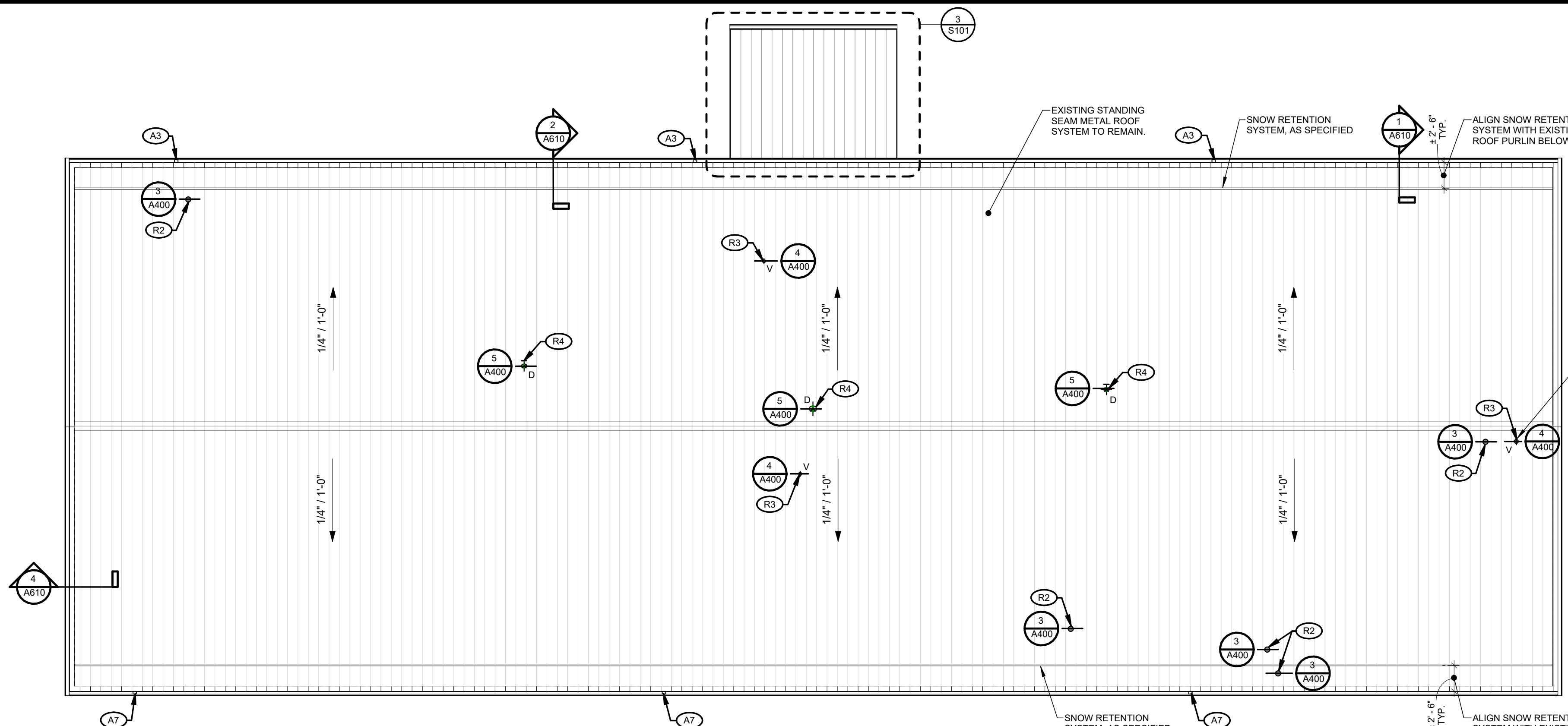
QUESTAR III BOCES
WAREHOUSE CONVERSION
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TROY - RENSSELAER COUNTY - NEW YORK

REV	DATE	DESCRIPTION
1	04/05/2024	BID ADDENDUM NO. 2

DRAWN BY LEW	PROJECT NUMBER 2023-038
CHECKED BY BJL	DATE 03/08/2024

CASEWORK ELEVATIONS AND SCHEDULES

SHEET NUMBER
A210



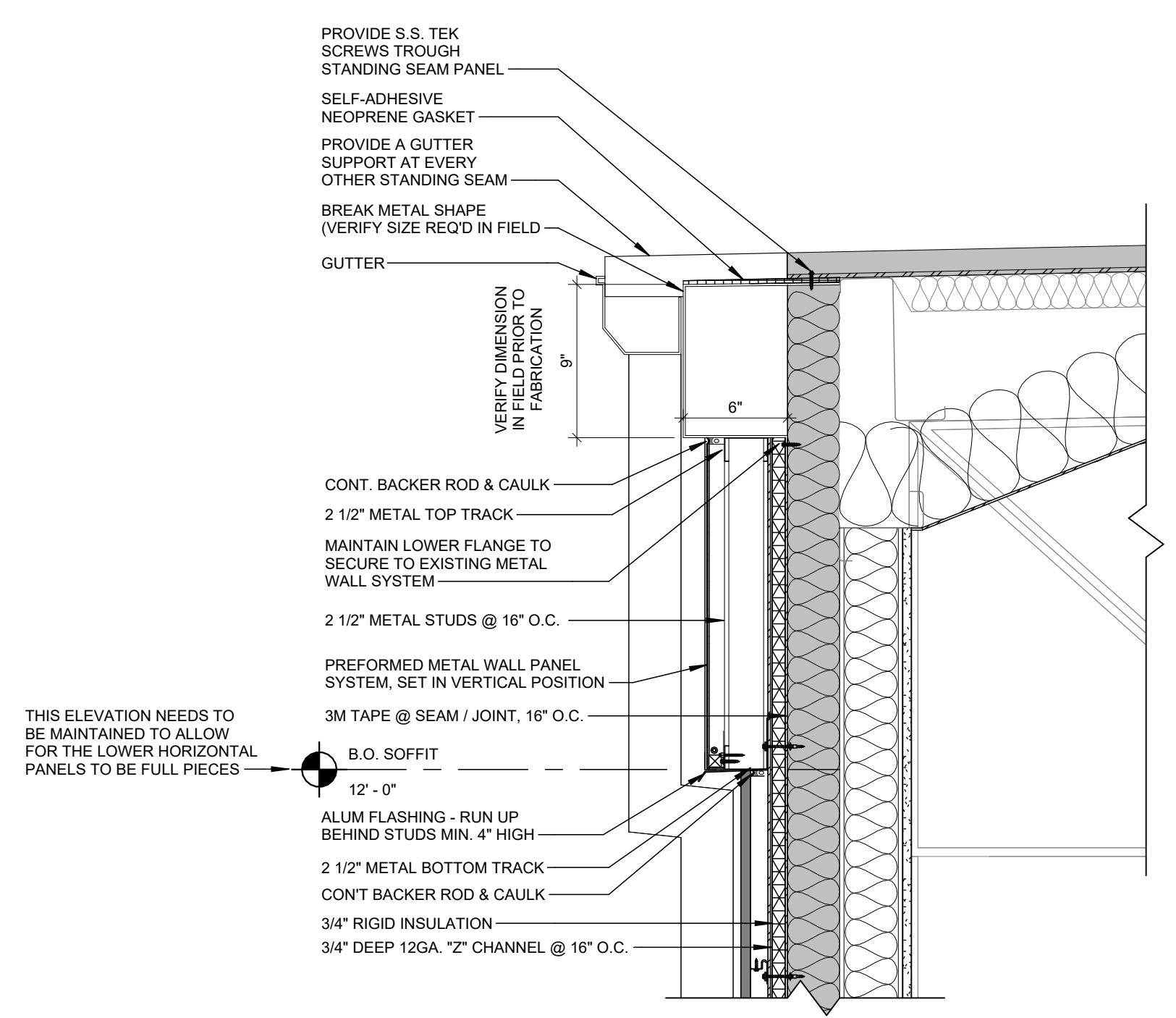
1 OVERALL ROOF PLAN
SCALE: 1/8" = 1'-0"

#	RENOVATION NOTES
A3	PROVIDE 5"x5" METAL GUTTER AND 3"x4" DOWNSPOUT AS SPECIFIED. WHERE INDICATED ON PLAN, PROVIDE BLOCKING WITHIN EXTERIOR WALL FOR DOWNSPOUT ANCHORS. DOWNSPOUTS TO TIE INTO UNDERGROUND STORMWATER SYSTEM. REFER TO L-DRAWINGS FOR ADDITIONAL INFORMATION.
A7	PROVIDE 5"x5" METAL GUTTER AND 3"x4" DOWNSPOUT AS SPECIFIED. WHERE INDICATED ON PLAN, PROVIDE BLOCKING WITHIN EXTERIOR WALL FOR DOWNSPOUT ANCHORS. PROVIDE ELBOW CONNECTION AND SPLASHBLOCK FOR STORMWATER DISCHARGE AT GRADE.
R2	DUCT PENETRATION TO BE REMOVED BY M-CONTRACTOR. G-CONTRACTOR TO PROVIDE ROOF SYSTEM INFILL AS PER DETAILS 2/A400 & 3/A400.
R3	PIPE PENETRATION TO BE PROVIDED BY P-CONTRACTOR. COORDINATE FINAL SIZE AND LOCATION OF PENETRATION IN FIELD WITH P-CONTRACTOR. REFER TO DETAIL 4/A400 FOR ADDITIONAL INFORMATION.
R4	DUCT PENETRATION TO BE PROVIDED BY P-CONTRACTOR. COORDINATE FINAL SIZE AND LOCATION OF PENETRATION IN FIELD WITH M-CONTRACTOR. REFER TO DETAIL 5/A400 FOR ADDITIONAL INFORMATION.

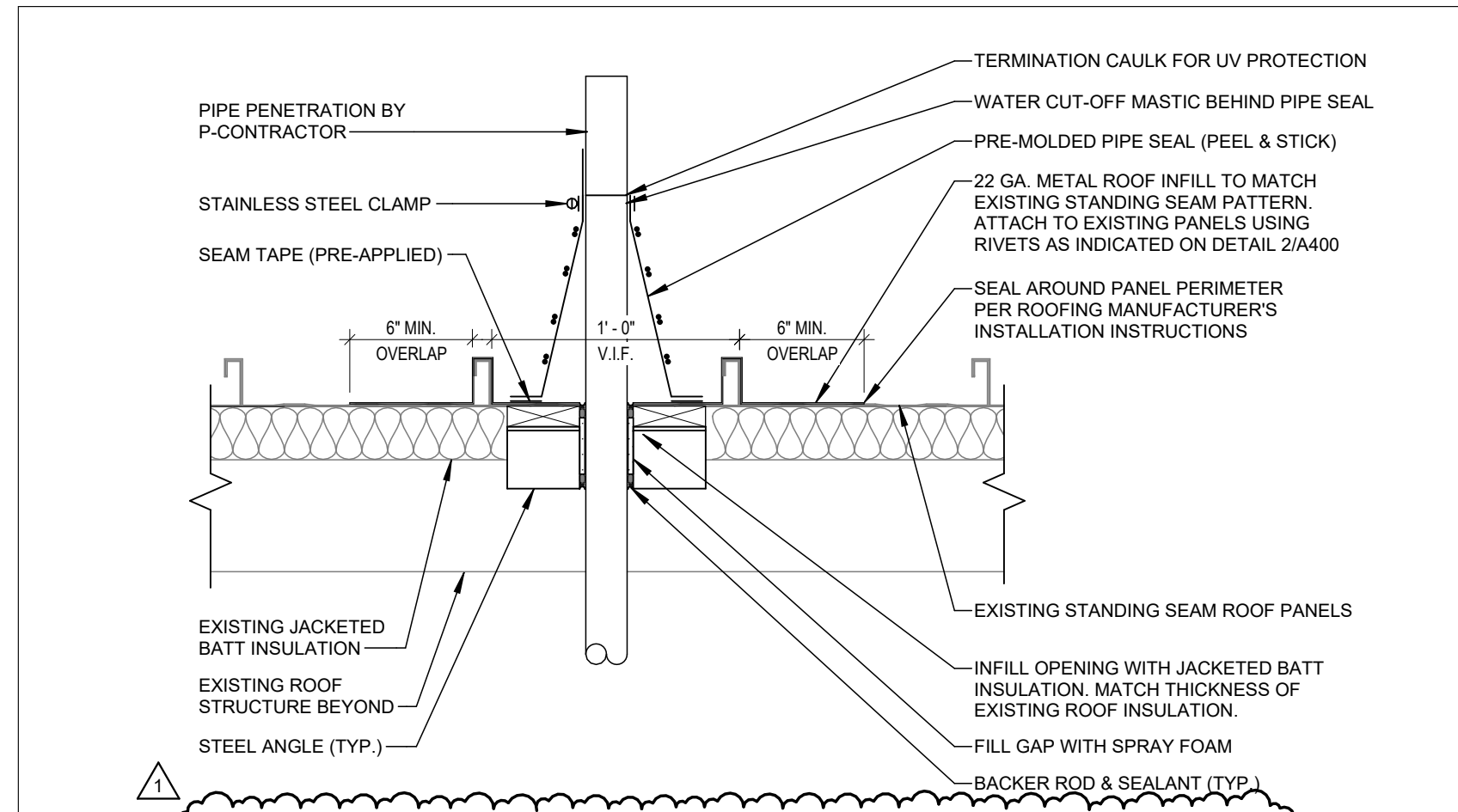
- GENERAL ROOF NOTES**
- CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS INCLUDING DIMENSIONS, DETAILING, ROOF EQUIPMENT, PENETRATIONS, AND LOCATIONS.
 - ALL WORK SHALL BE IN ACCORDANCE W/ ACCEPTABLE ROOFING MANUFACTURER'S WRITTEN RECOMMENDATIONS AS TO MAINTAIN EXISTING ROOF WARRANTY.
 - DETAIL INDICATORS ARE TYPICAL FOR ALL SIMILAR LOCATIONS AND CONDITIONS.
 - MATERIAL REMOVED FROM THE ROOF IS TO BE PLACED INTO A SUITABLE REFUSE CONTAINER. DROPPING REMOVED MATERIAL ONTO THE GROUND IS NOT TO BE PERMITTED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION OF ALL AREAS DISTURBED AS A RESULT OF THEIR WORK. THE CONTRACTOR SHALL PROPERLY CLEAN ALL INTERIOR SPACES OF ALL ROOFING RELATED DEBRIS. THE CONTRACTOR SHALL PROPERLY REPAIR ALL LAWN, WALKS AND DRIVES WHICH ARE DISTURBED/DAMAGED AS A RESULT OF THEIR WORK.
 - THE CONTRACTOR SHALL PROVIDE ALL WOOD BLOCKING SHOWN OR AS REQUIRED TO COMPLETE THE PROJECT. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO LEAVE EXISTING BLOCKING THAT MAY BE REUSED UNDISTURBED SUBJECT TO THE BLOCKING ATTACHMENT AND FASTENING REQUIREMENTS. DISTURBED BLOCKING THAT MAY BE REUSED IS TO BE REUSED.
 - THE CONTRACTOR SHALL MAKE EVERY EFFORT TO AVOID LOCATING SCUPPERS OR DOWNSPOUTS OVER WINDOWS, DOORS, OR WALKWAYS.
 - THE CONTRACTOR SHALL LIMIT CONSTRUCTION LOADS TO 50psf.

ROOF LEGEND

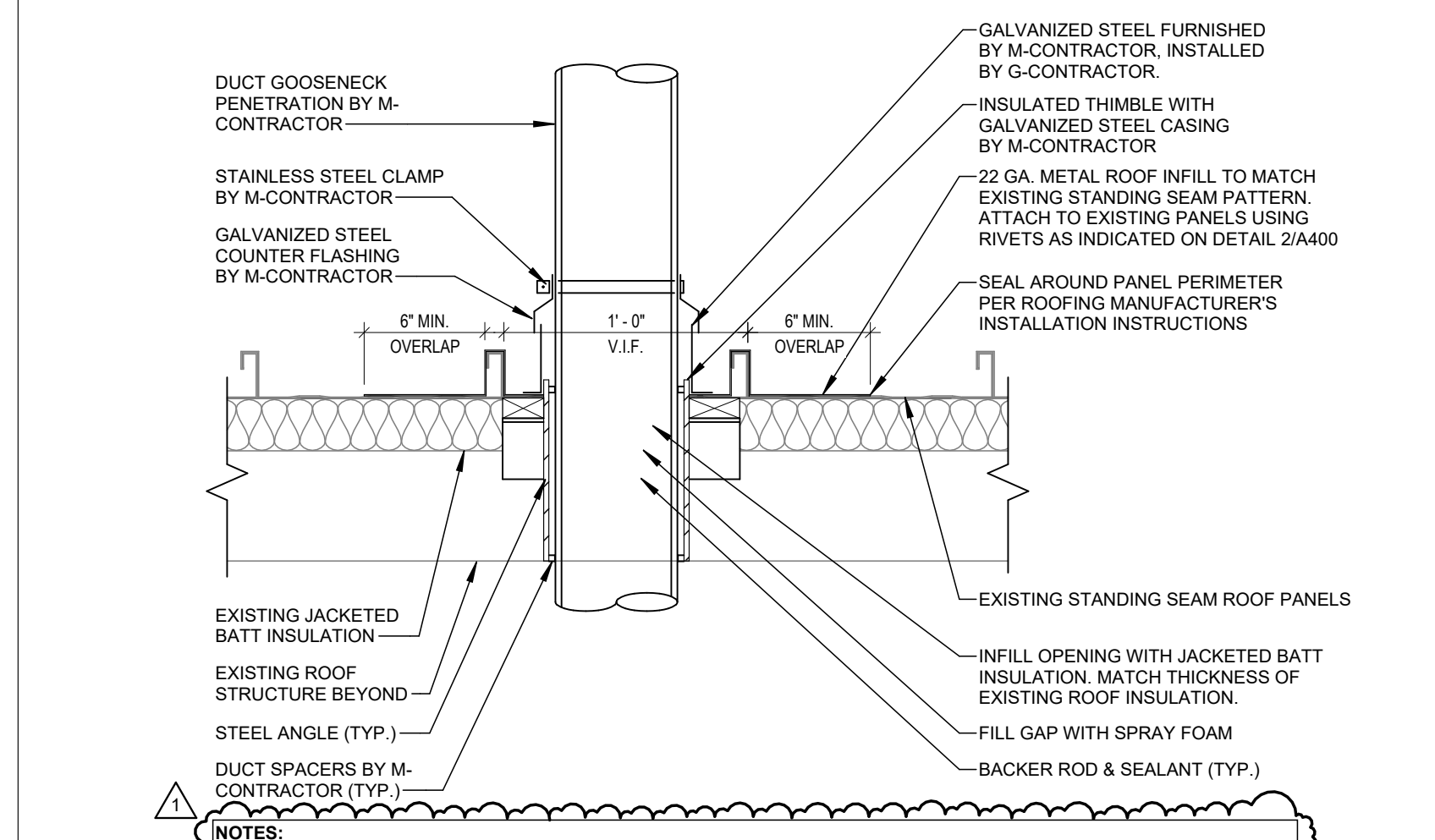
	ROOF VENT
	DUCT PENETRATION
	DETAIL INDICATOR
	ROOF DECK SLOPE



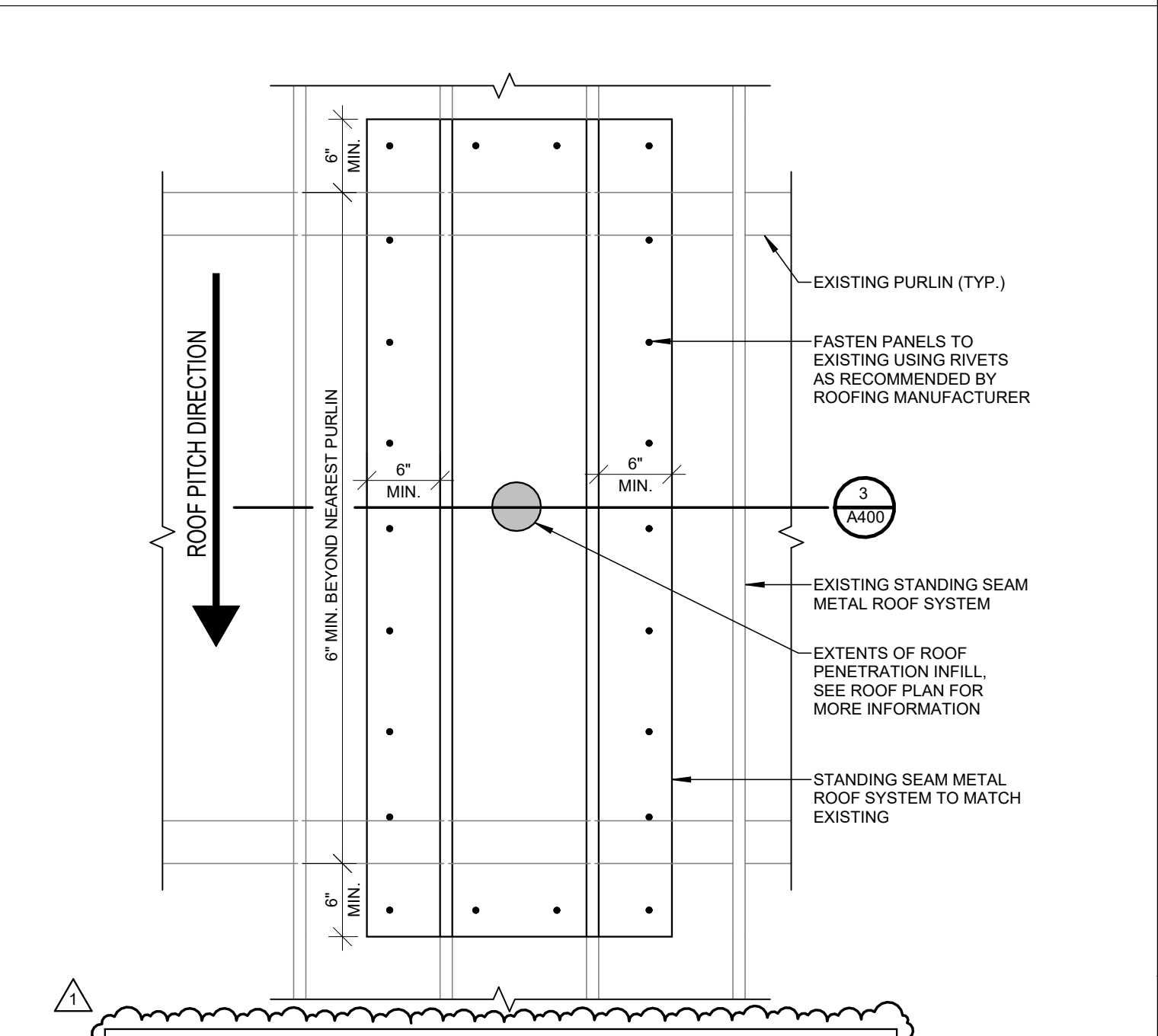
6 TYP. ROOF EDGE / SOFFIT DETAIL
SCALE: 1 1/2" = 1'-0"



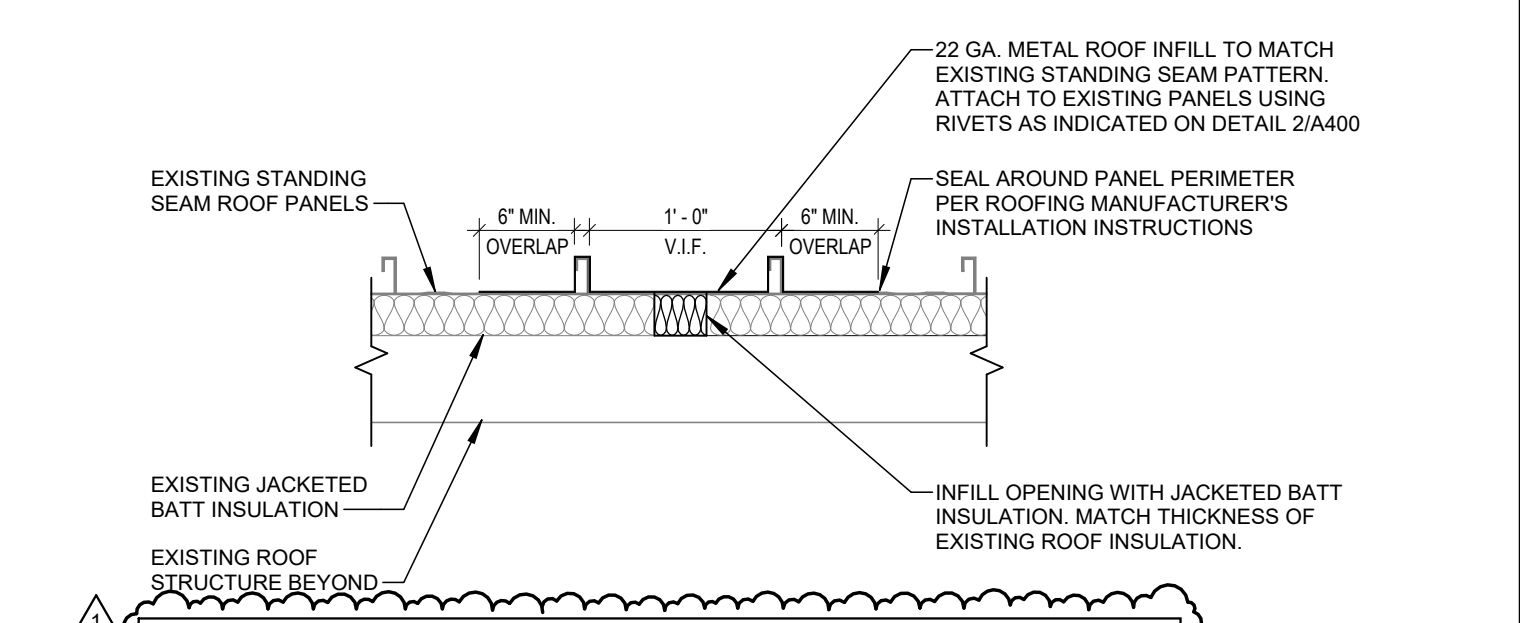
4 TYP. VENT PENETRATION DETAIL
SCALE: 1 1/2" = 1'-0"



5 TYP. DUCT PENETRATION DETAIL
SCALE: 1 1/2" = 1'-0"



2 TYP. ROOF INFILL DETAIL - PLAN
SCALE: 1" = 1'-0"



3 TYP. ROOF INFILL DETAIL - SECTION
SCALE: 1" = 1'-0"

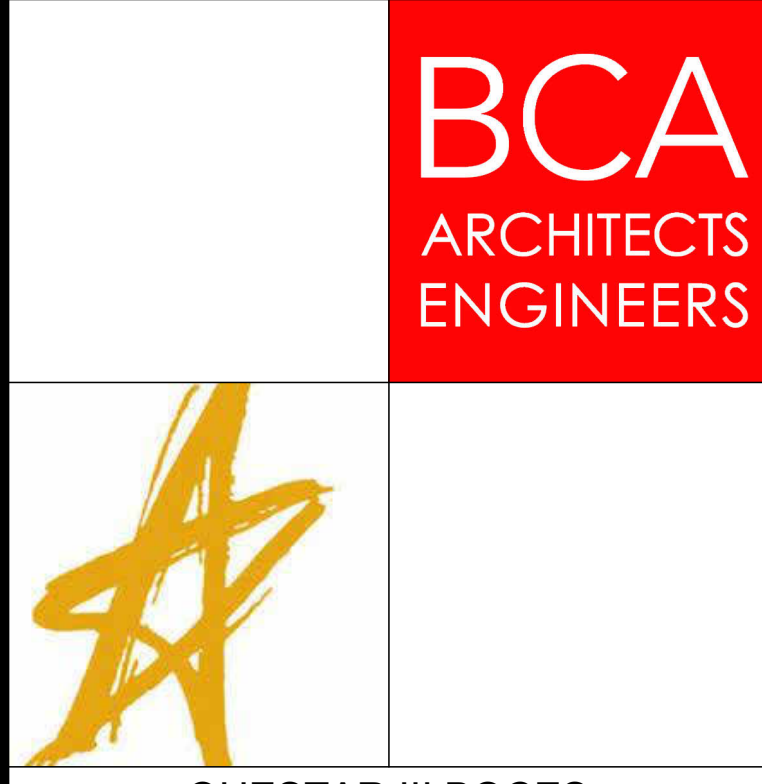
KEY PLAN:

PLAN NORTH NORTH

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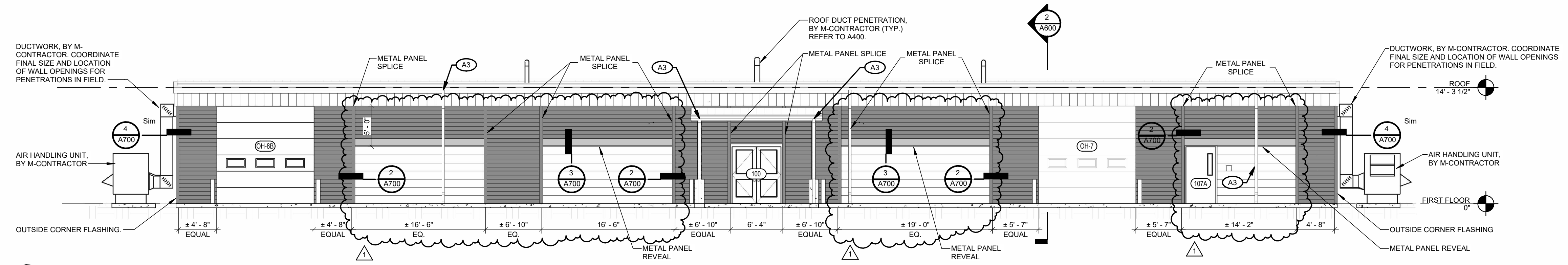


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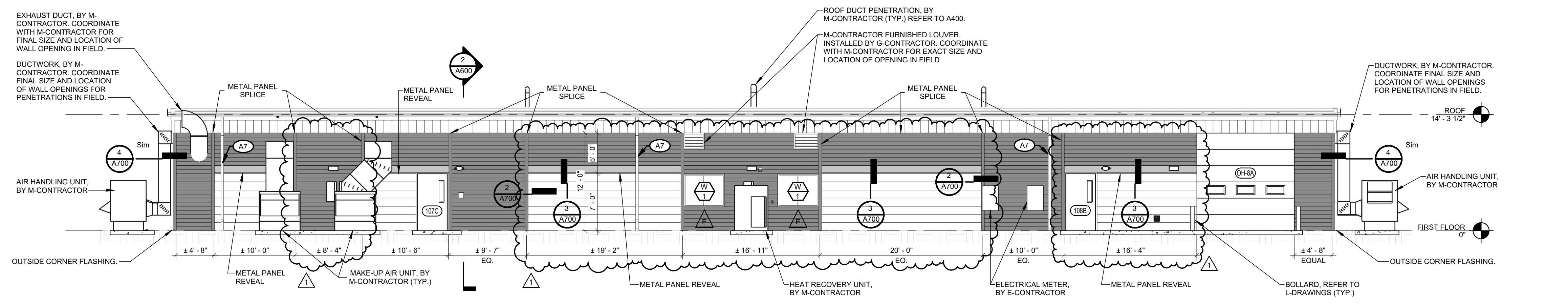
REV	DATE	DESCRIPTION
1	04/05/2024	BID ADDENDUM NO. 2

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CHECKED BY: JAS DATE: 03/08/2024

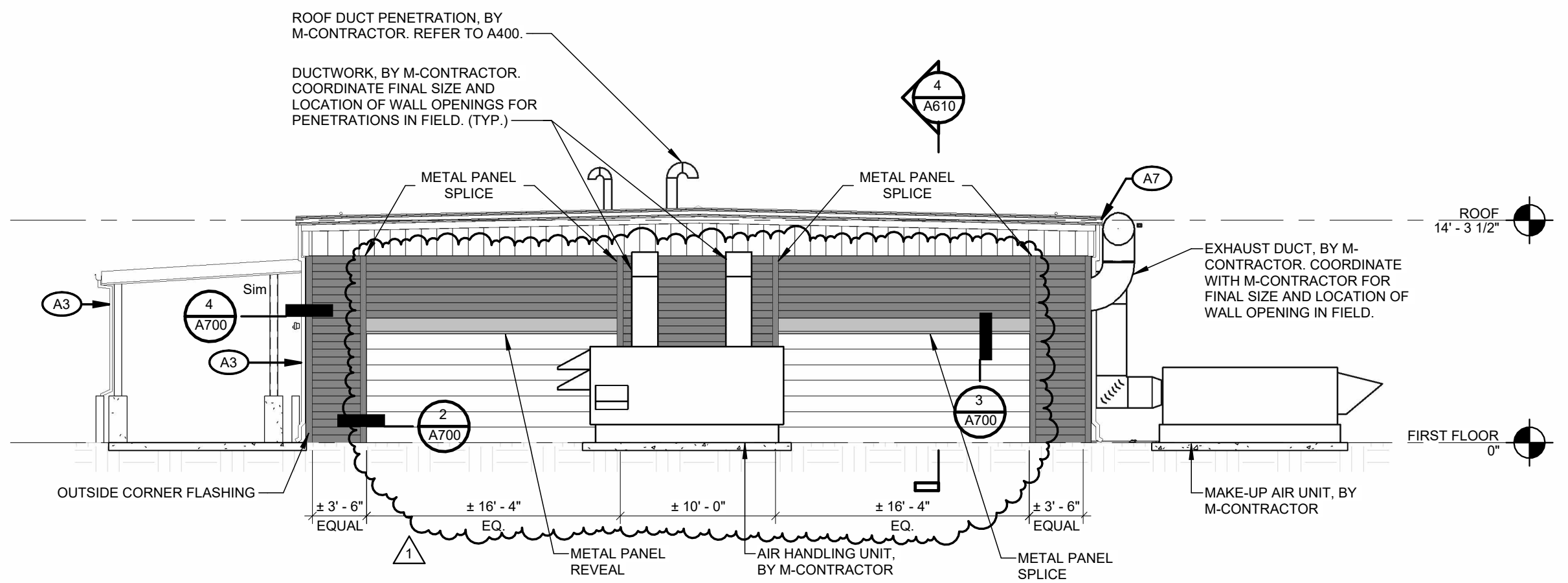
ROOF PLAN & DETAILS
SHEET NUMBER: **A400**



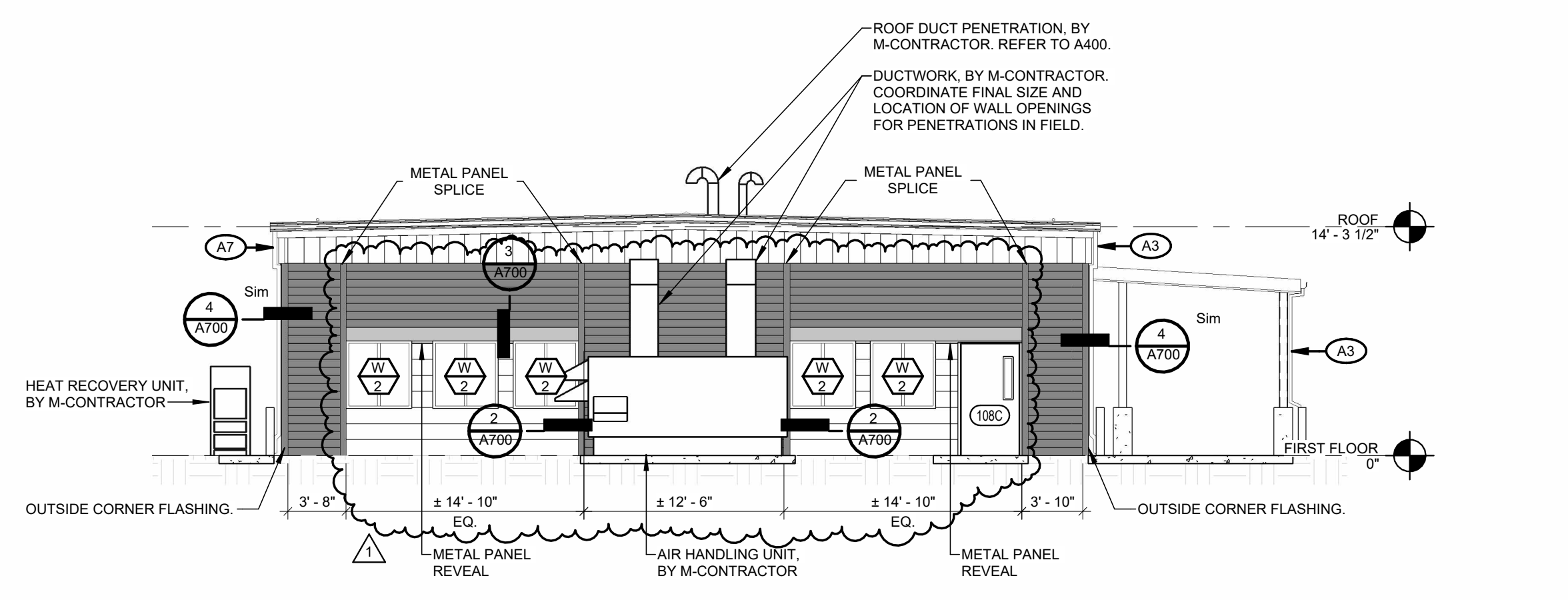
1 EXTERIOR ELEVATION - NORTH
SCALE: 1/8" = 1'-0"



2 EXTERIOR ELEVATION - SOUTH
SCALE: 1/8" = 1'-0"

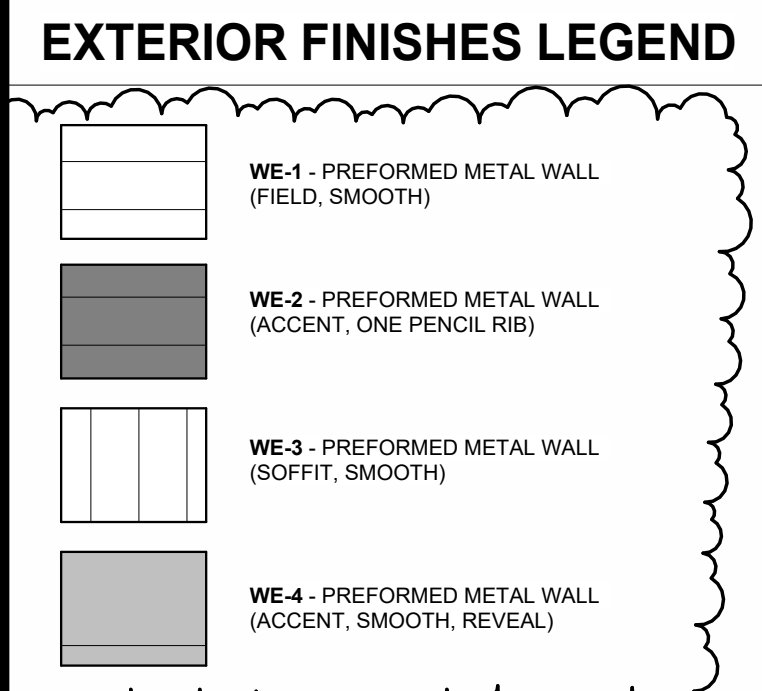


4 EXTERIOR ELEVATION - WEST
SCALE: 1/8" = 1'-0"



3 EXTERIOR ELEVATION - EAST
SCALE: 1/8" = 1'-0"

- ### EXTERIOR ELEVATION NOTES
- FIRST FLOOR - 0' = F.F.E. DATUM ELEVATION (X) PER DRAWING LX.
 - CONTRACTOR TO FIELD VERIFY ALL OPENING DIMENSIONS PRIOR TO FABRICATION OF WINDOW AND DOOR SYSTEMS.
 - PROPERLY SCRAPE, PRIME, AND PAINT ALL EXPOSED STEEL INTELS PRIOR TO INSTALLATION OF NEW WINDOW AND DOORS.
 - DESIGNATES LOCATION OF EGRESS WINDOW. MAINTAIN A MINIMUM CLEAR DIMENSION OF AT LEAST 6 SF, WITH A MINIMUM WIDTH DIMENSION OF 2'-0". SCREENS IN EGRESS WINDOWS ARE SLIDING AND OPERABLE FROM WITHIN ROOM. WITH ONE HAND. PROVIDE YELLOW, 3' x 5' EGRESS WINDOW LABELS ON ALL EGRESS WINDOWS.



- ### RENOVATION NOTES
- A3 PROVIDE 5"x5" METAL GUTTER AND 3"x4" DOWNSPOUT AS SPECIFIED, WHERE INDICATED ON PLAN. PROVIDE BLOCKING WITHIN EXTERIOR WALL FOR DOWNSPOUT ANCHORS. DOWNSPOUTS TO TIE INTO UNDERGROUND STORMWATER SYSTEM. REFER TO L-DRAWINGS FOR ADDITIONAL INFORMATION.
 - A7 PROVIDE 5"x5" METAL GUTTER AND 3"x4" DOWNSPOUT AS SPECIFIED, WHERE INDICATED ON PLAN. PROVIDE BLOCKING WITHIN EXTERIOR WALL FOR DOWNSPOUT ANCHORS. PROVIDE ELBOW CONNECTION AND SPLASHBLOCK FOR STORMWATER DISCHARGE AT GRADE.

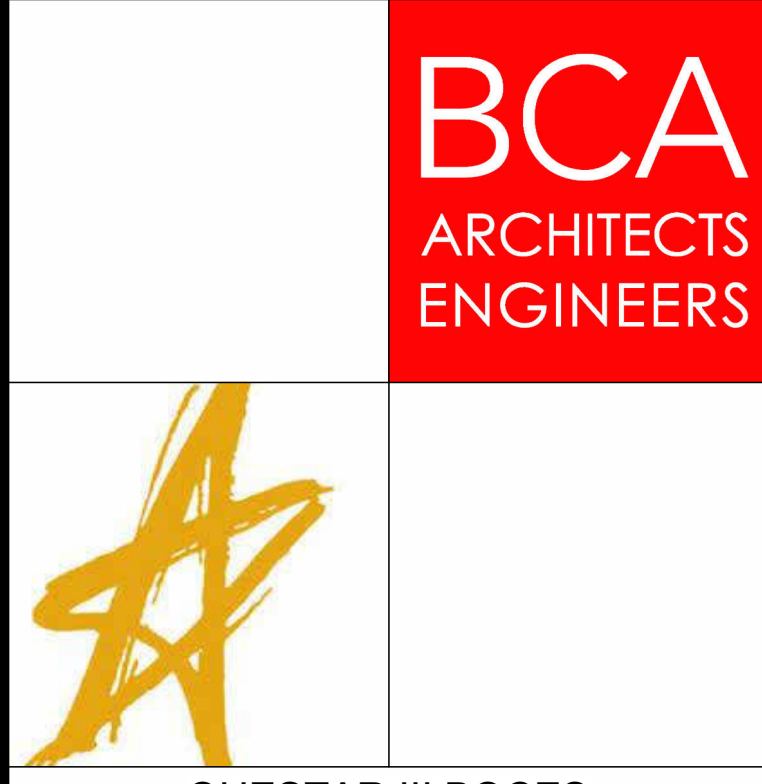
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PLAN NORTH

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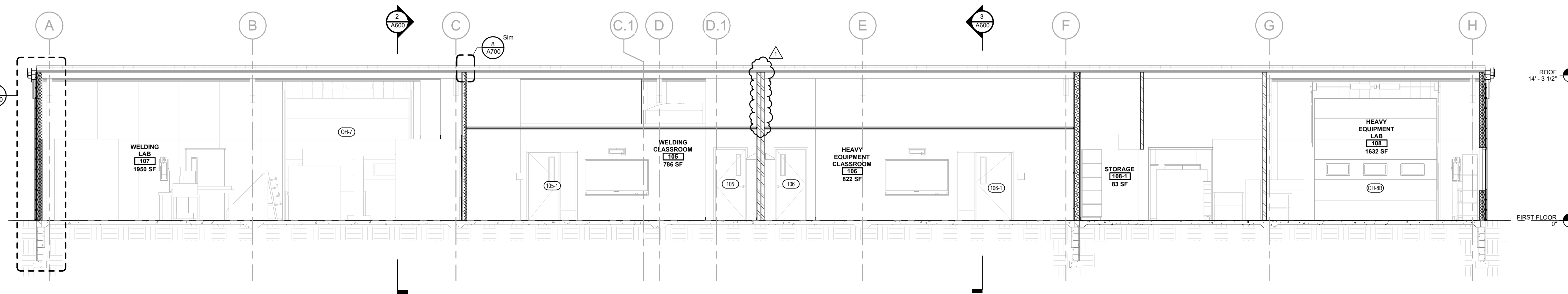
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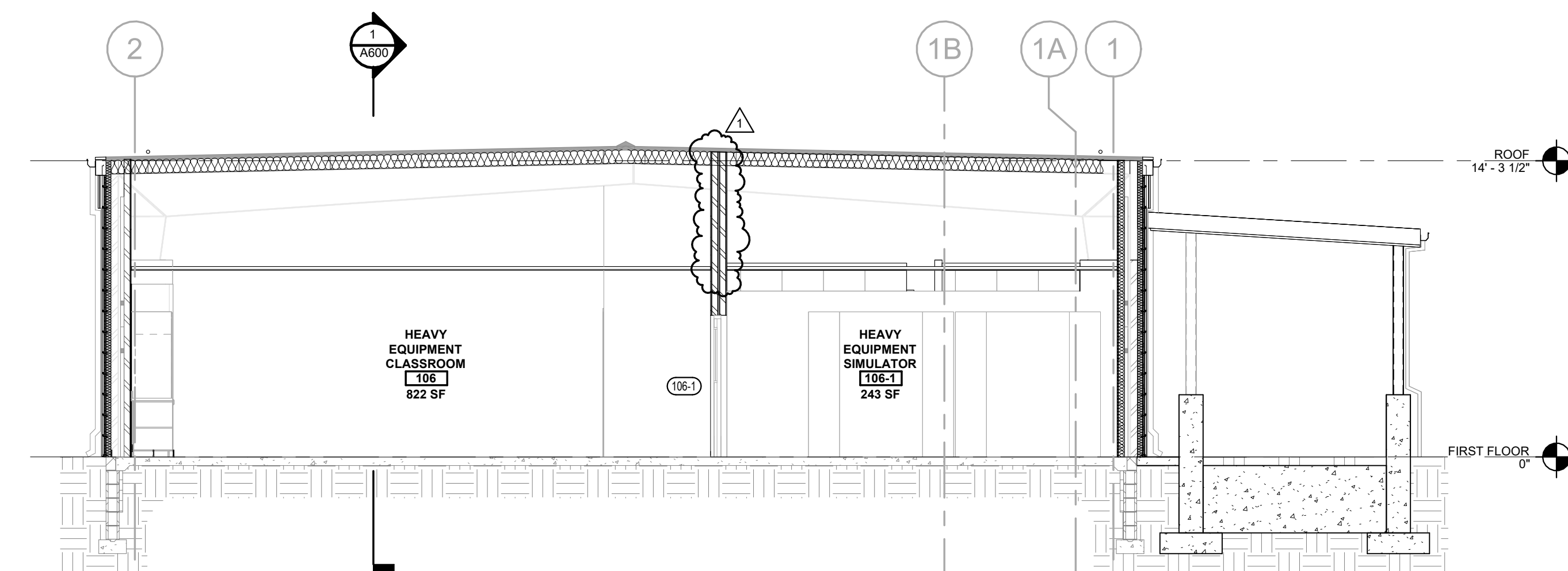
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EXTERIOR ELEVATIONS

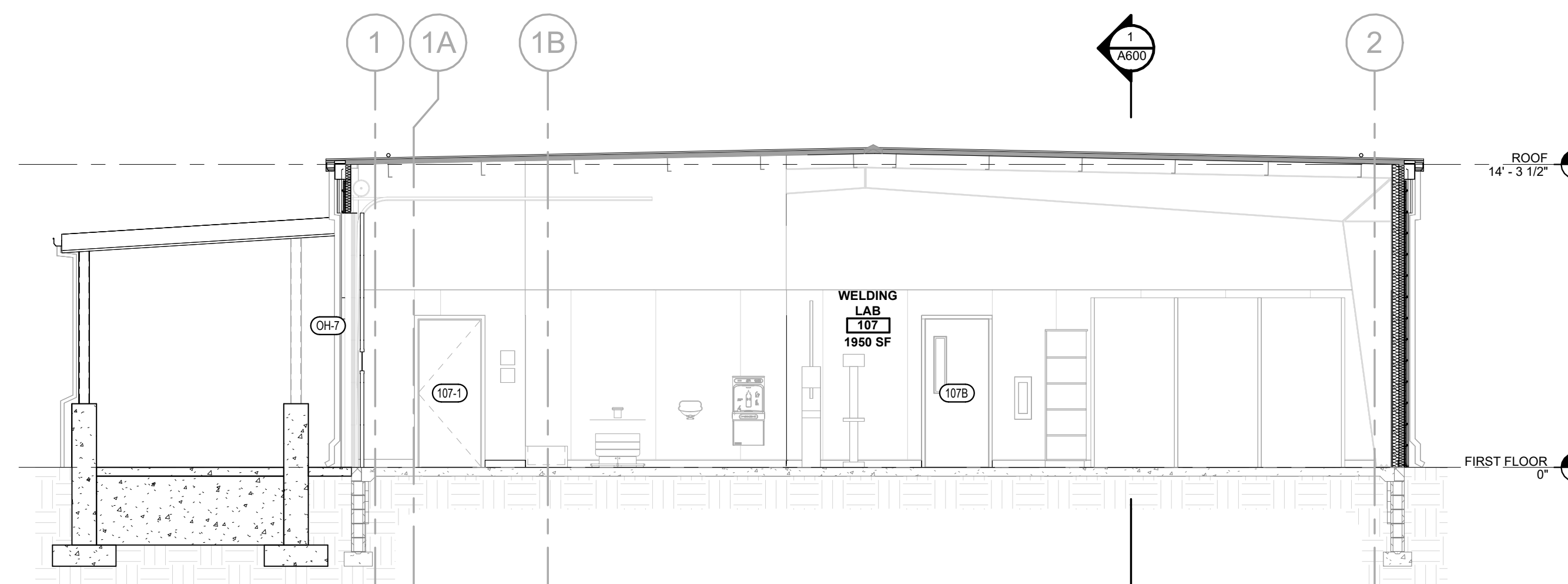
SHEET NUMBER
A500



1 LONGITUDINAL SECTION
SCALE: 3/16" = 1'-0"

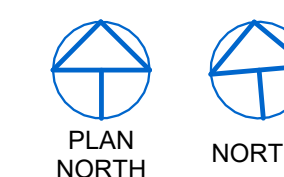


3 TRANSVERSE SECTION
SCALE: 3/16" = 1'-0"



2 TRANSVERSE SECTION
SCALE: 3/16" = 1'-0"

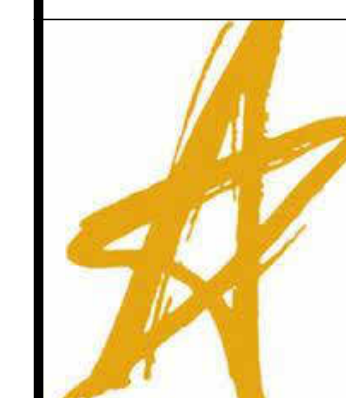
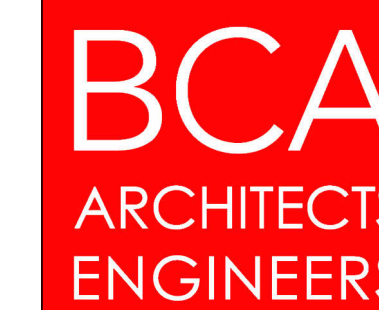
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REV	DATE	DESCRIPTION
1	04/05/2024	BID ADDENDUM NO. 2

DRAWN BY SSL	PROJECT NUMBER 2023-038
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BUILDING CROSS SECTIONS

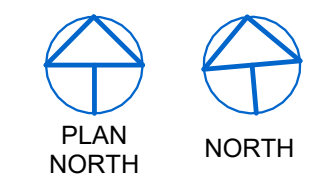
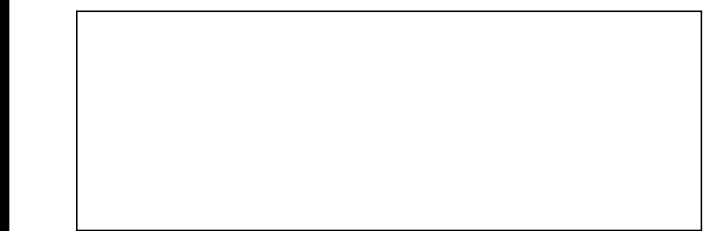
SHEET NUMBER

A600

BUILDING ENVELOPE NOTES

1. THE AIR BARRIER SHALL BE CONTINUOUS FOR ALL ASSEMBLIES THAT MAKE UP THE THERMAL ENVELOPE AND ACROSS THE JOINTS AND ASSEMBLIES. SEAL ALL JOINTS AND SEAMS, INCLUDING SEALING TRANSITIONS IN CHANGES OF MATERIAL.
2. PENETRATIONS OF THE AIR BARRIER SHALL BE CAULKED, GASKETED OR OTHERWISE SEALED IN A MANNER COMPATIBLE WITH THE CONSTRUCTION MATERIALS AND LOCATION.
3. SEALING SHALL ALLOW FOR EXPANSION AND CONTRACTION. THE JOINTS AND SEALS SHALL BE SECURELY INSTALLED IN OR ON THE PENETRATION OR JOINT FOR ITS ENTIRE LENGTH SO NOT TO DISLODGE, LOOSEN, OR OTHERWISE IMPAIR ITS ABILITY TO RESIST POSITIVE OR NEGATIVE PRESSURE FROM WIND, STACK EFFECT, AND MECHANICAL VENTILATION.
4. SEAL ALL DISSIMILAR AIR BARRIER MATERIALS WITH COMPATIBLE PRODUCTS AS RECOMMENDED BY THE MATERIAL MANUFACTURERS.

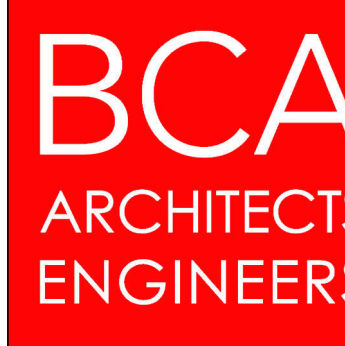
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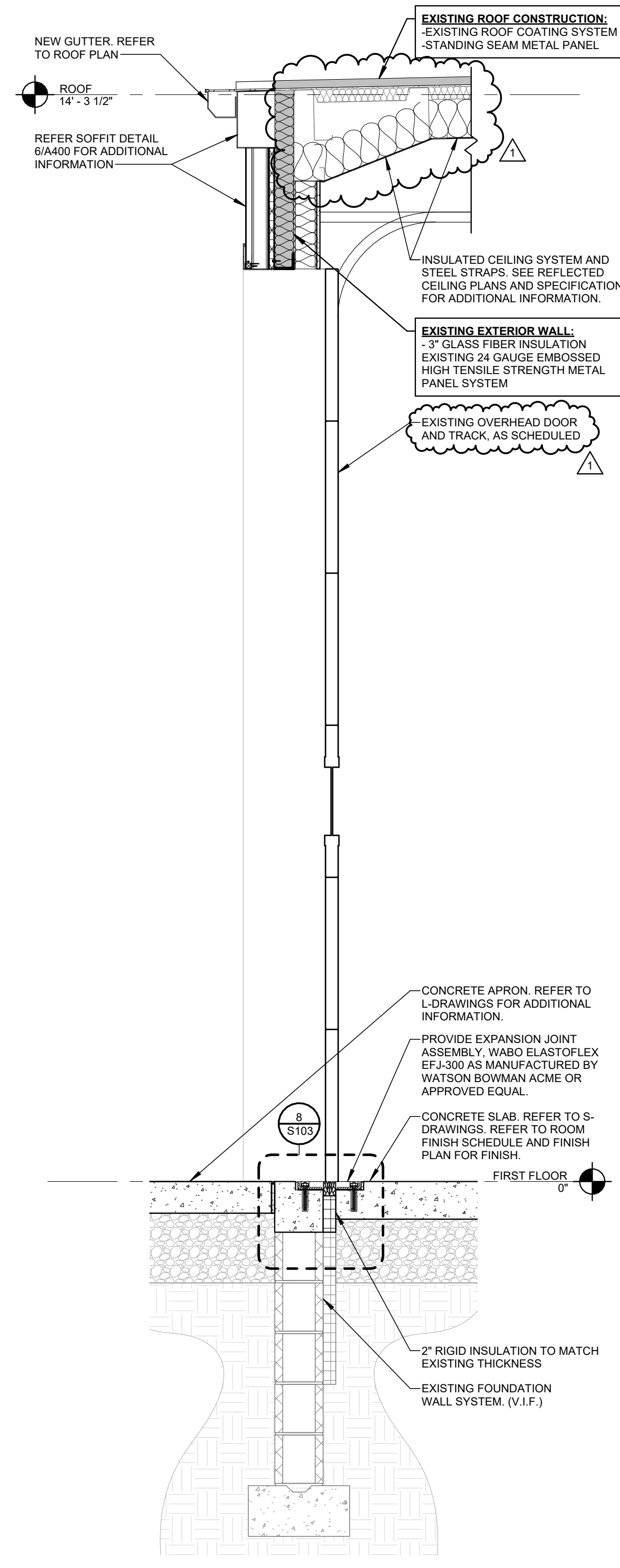
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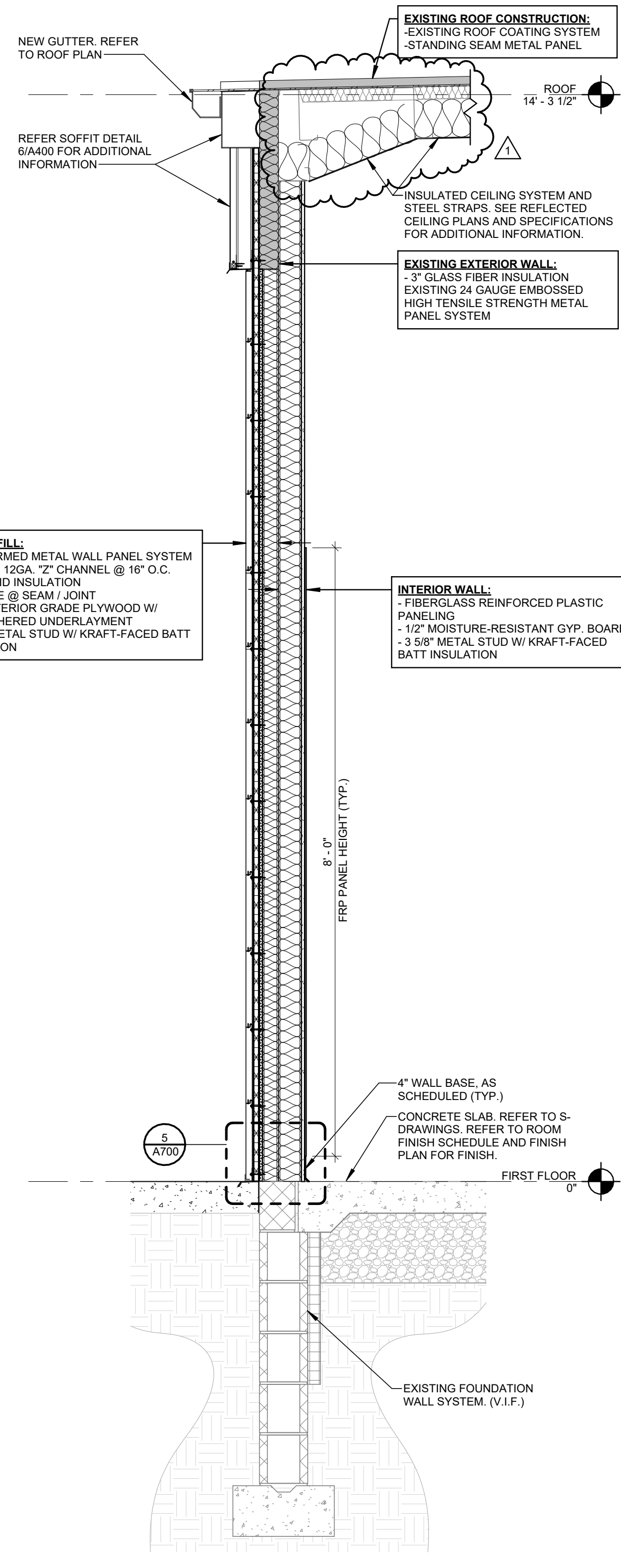
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WALL SECTIONS

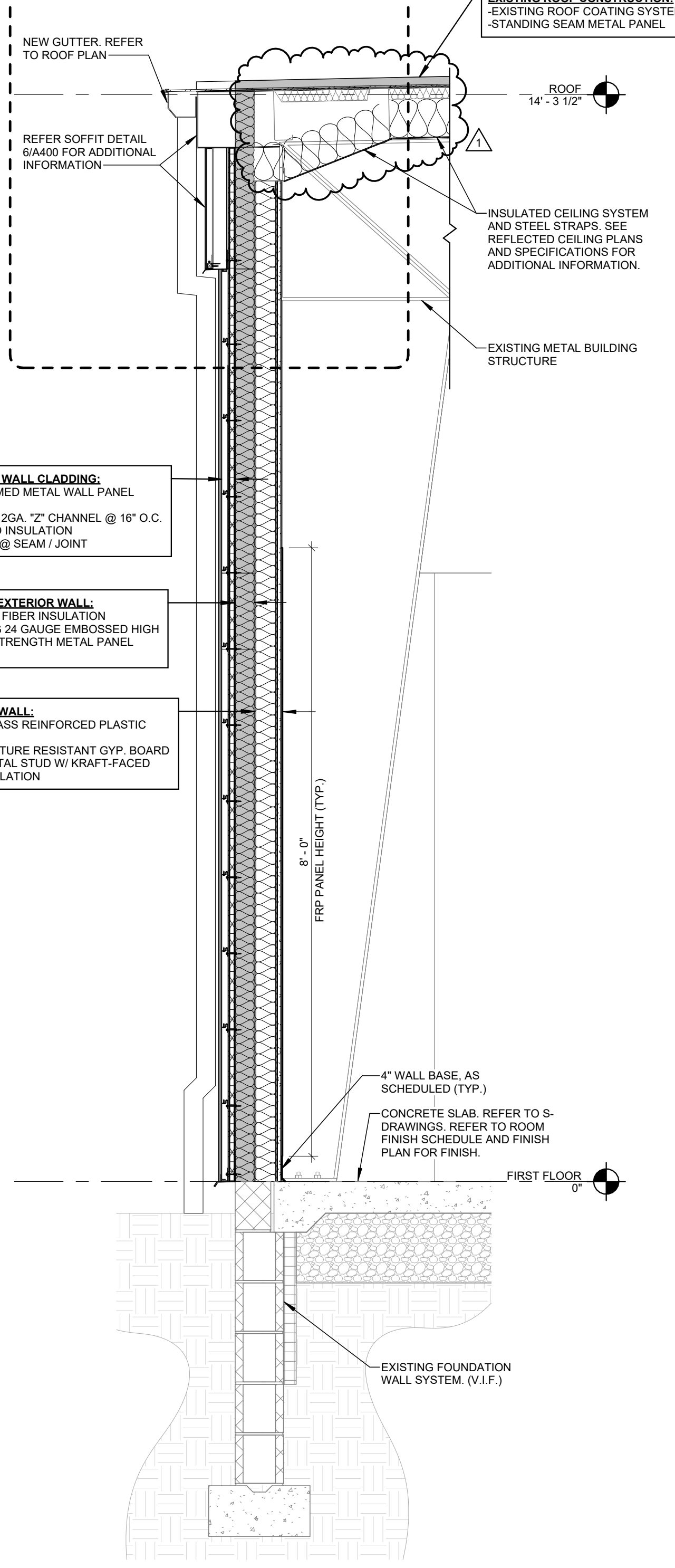
SHEET NUMBER
A610



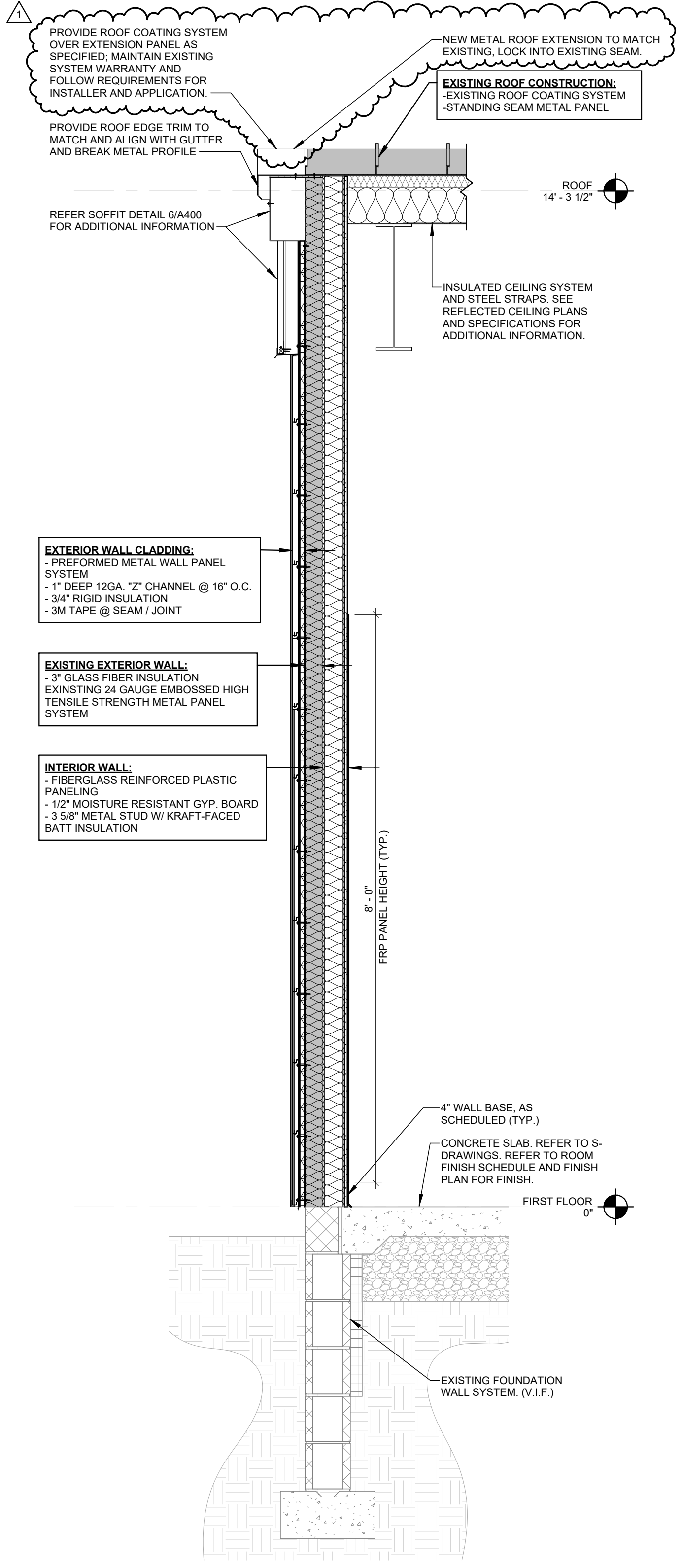
1 WALL SECTION @ NEW O.H. DOOR
 SCALE: 3/4" = 1'-0"



2 WALL SECTION - WALL INFILL
 SCALE: 3/4" = 1'-0"

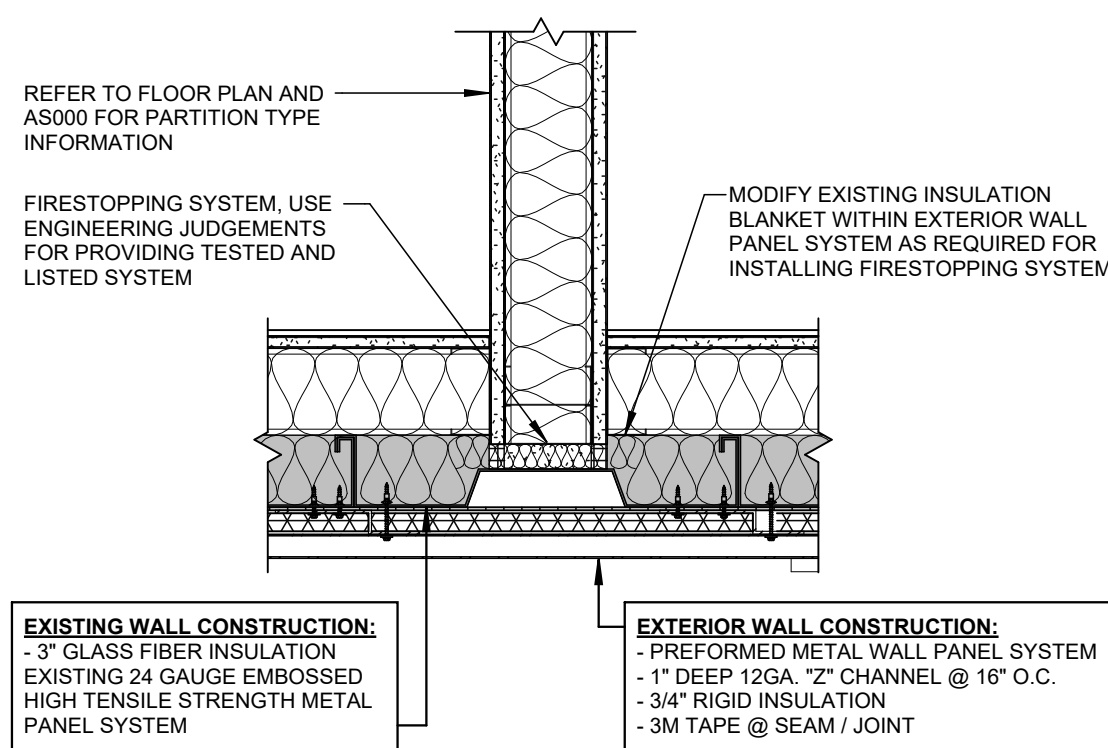


3 WALL SECTION - TYP.
 SCALE: 3/4" = 1'-0"

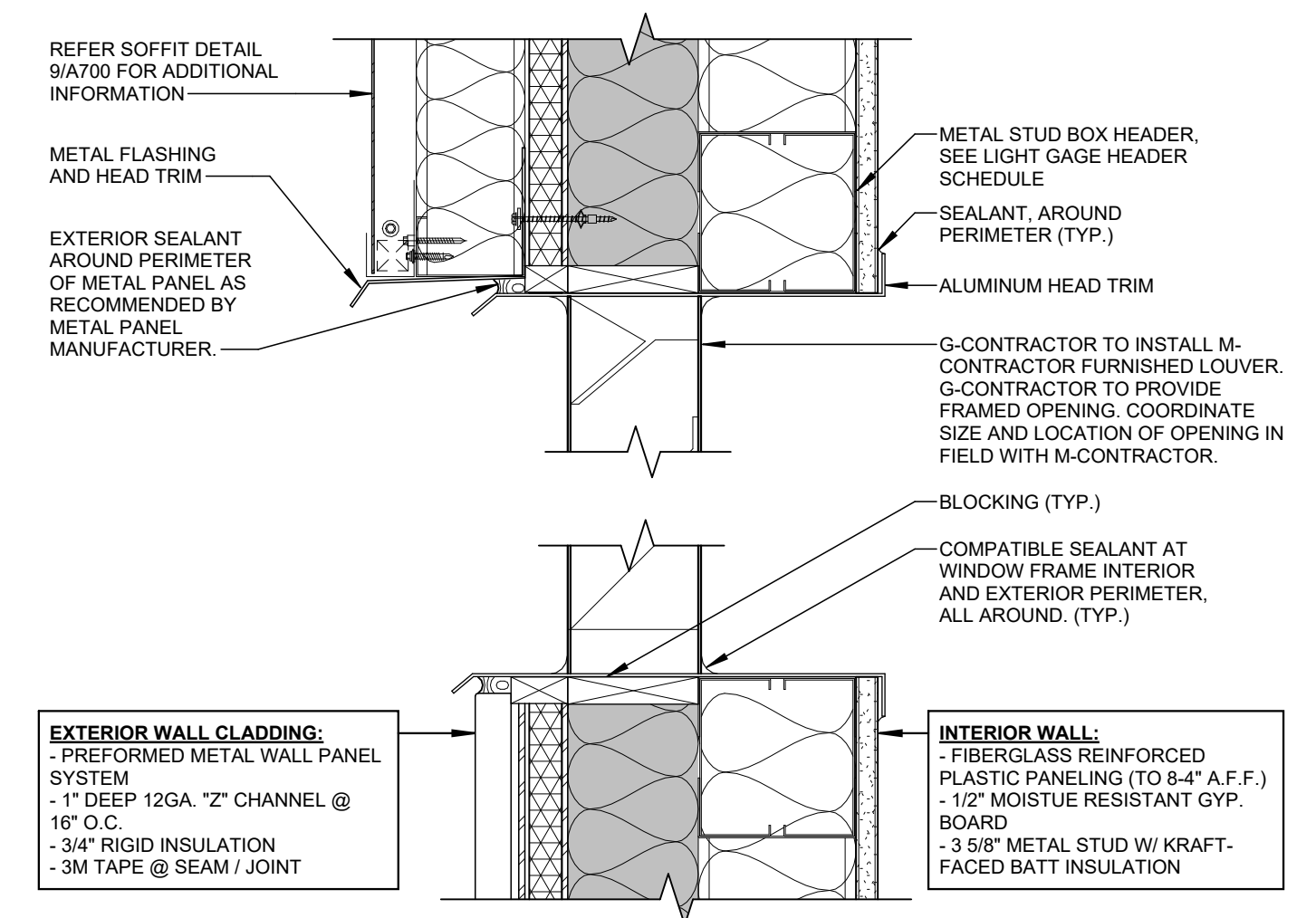


4 WALL SECTION @ RAKE
 SCALE: 3/4" = 1'-0"

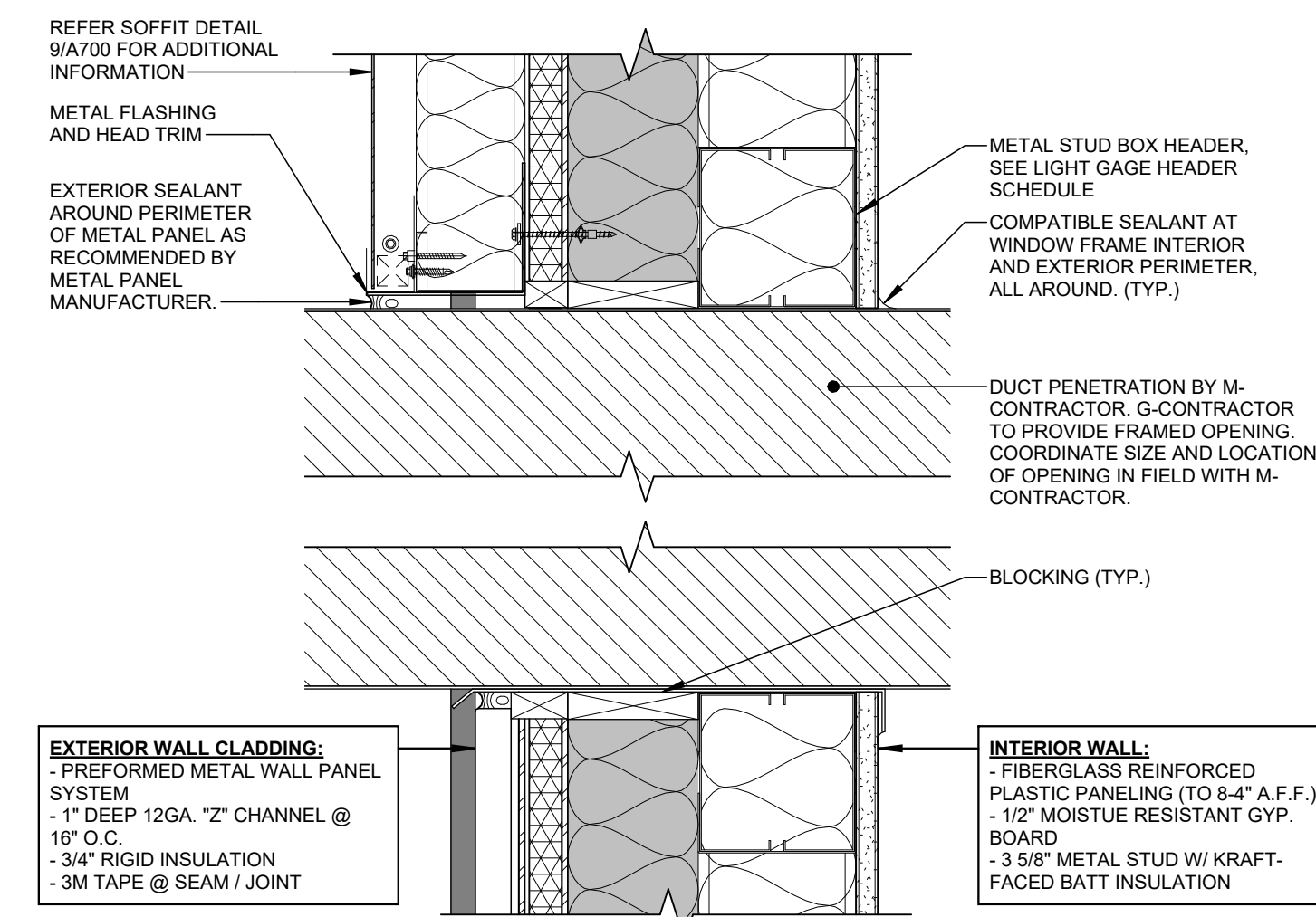
4/5/2024 4:39:08 PM



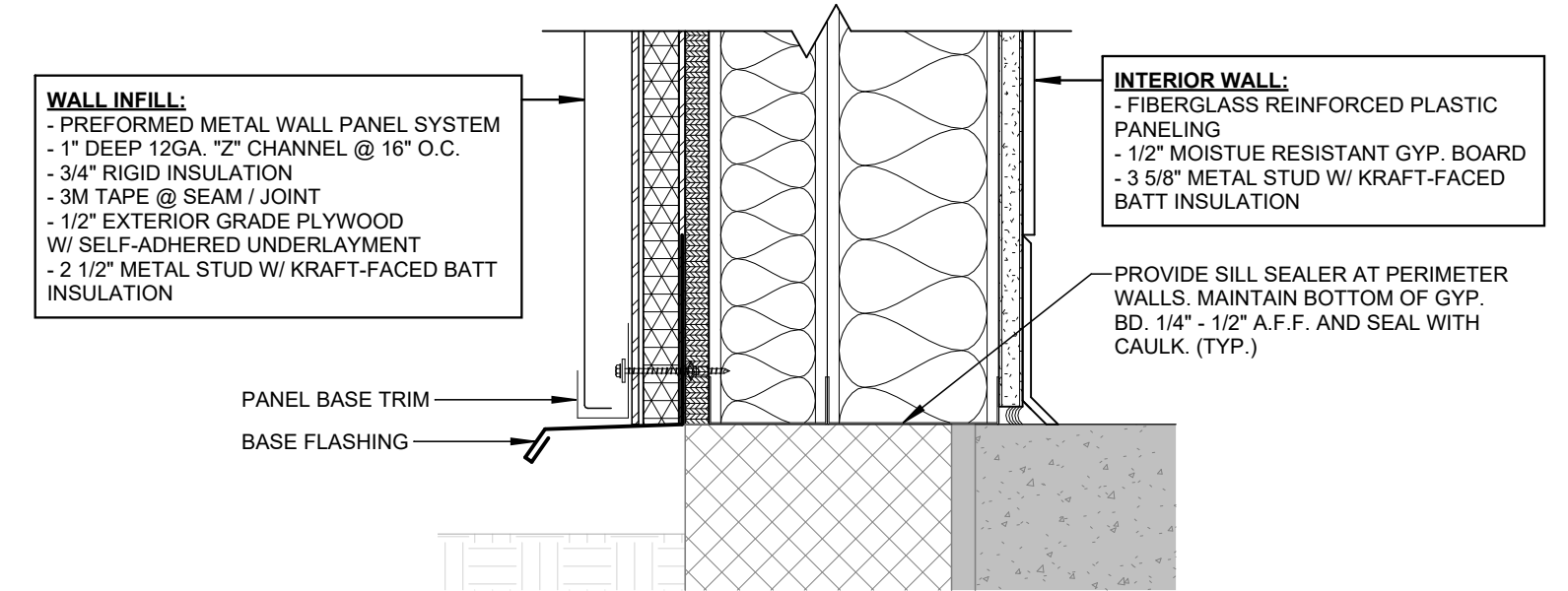
9 FIRESTOPPING - STUD/EXT. WALL - DETAIL B
SCALE: 1 1/2" = 1'-0"



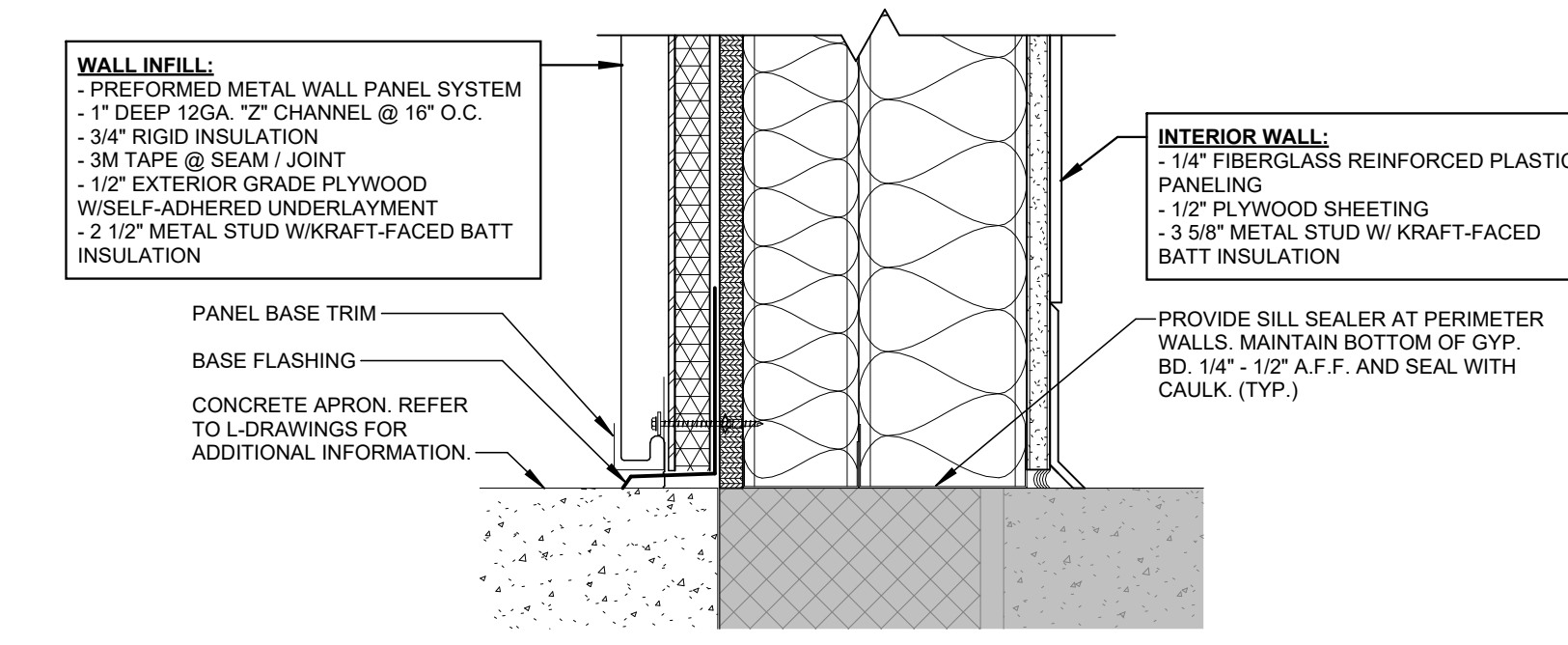
10 TYP. LOUVER DETAIL
SCALE: 3" = 1'-0"



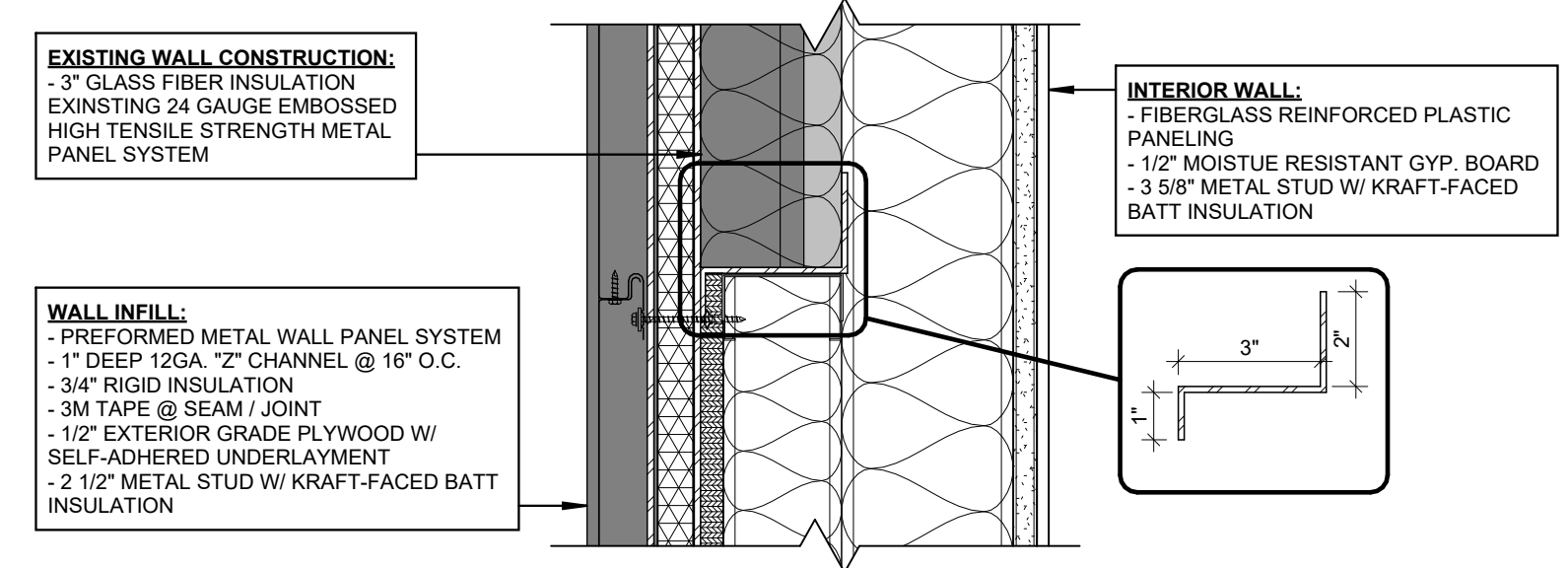
11 TYP. DUCT WALL PENETRATION DETAIL
SCALE: 3" = 1'-0"



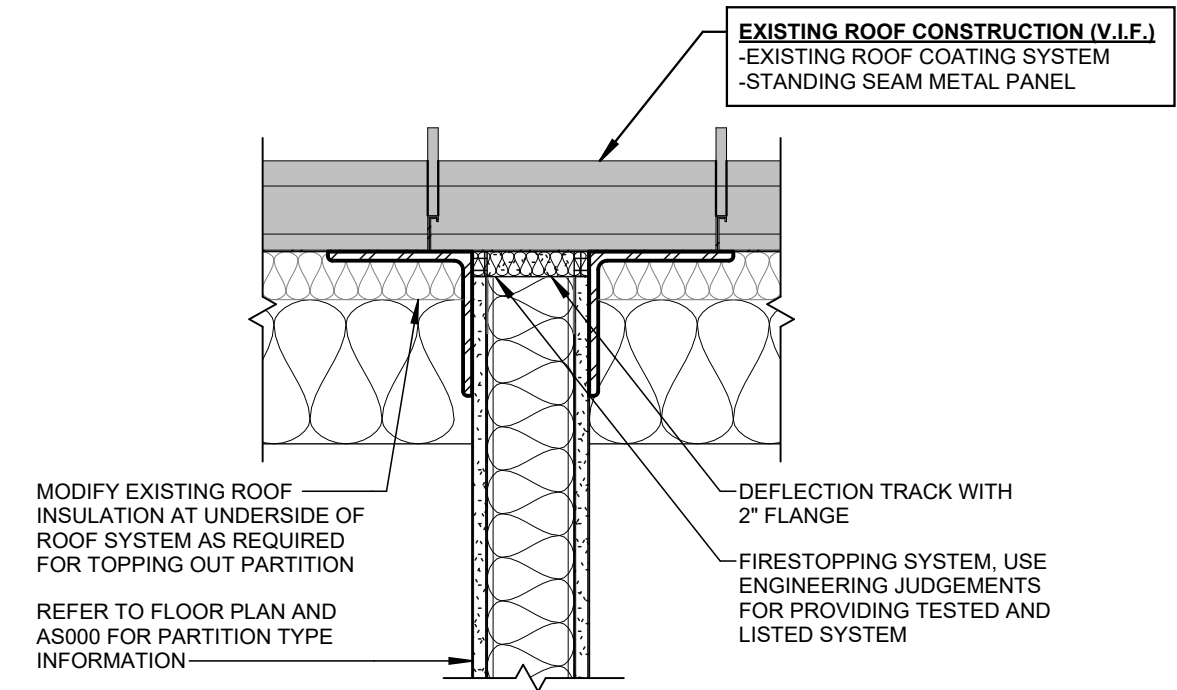
5 EXTERIOR WALL INFILL/TRANSITION BASE
SCALE: 3" = 1'-0"



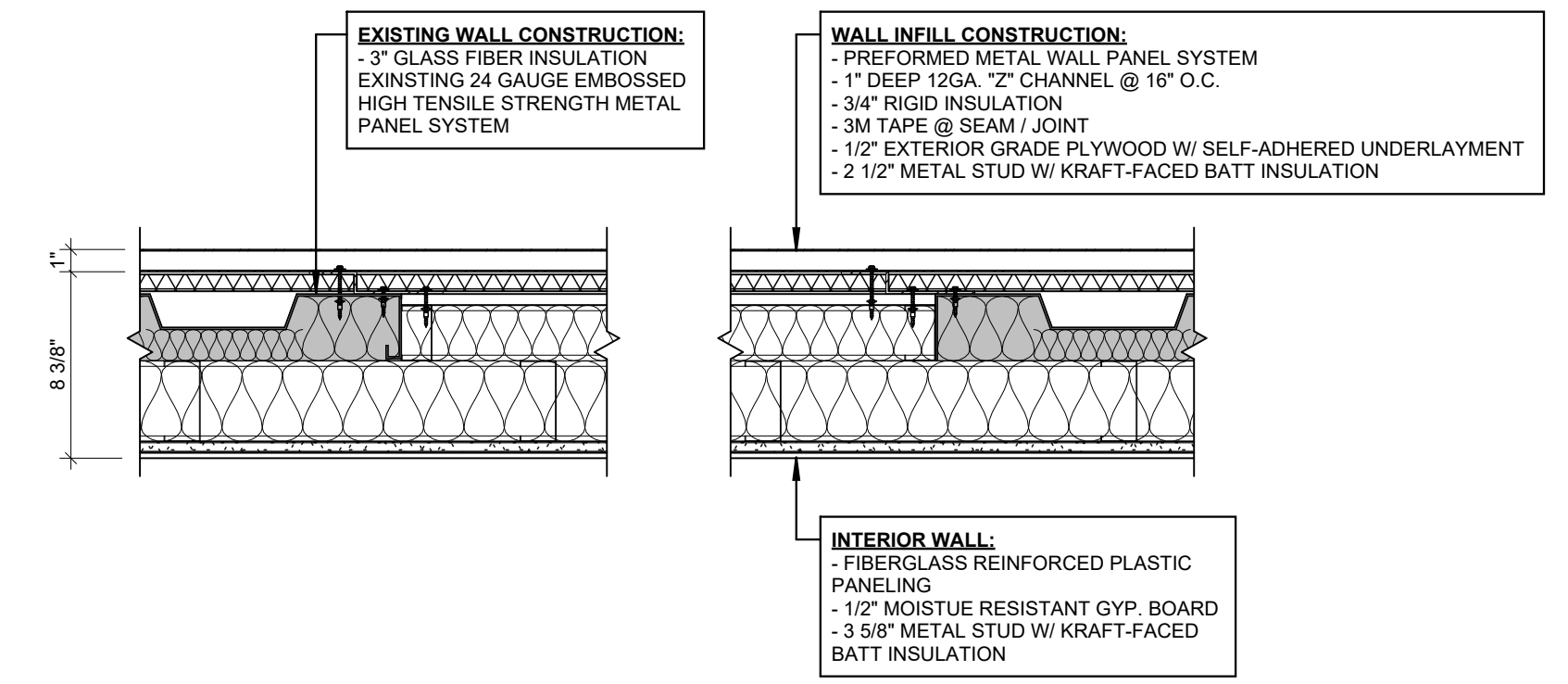
6 EXTERIOR WALL BASE CONNECTION DETAIL
SCALE: 3" = 1'-0"



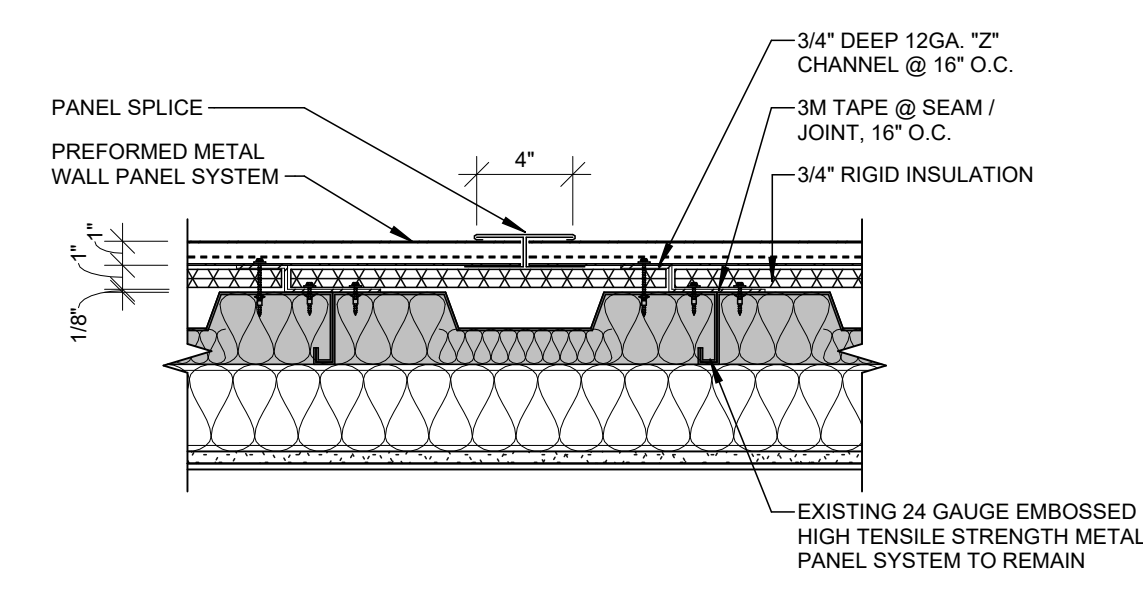
7 EXTERIOR WALL INFILL - TRANSITION DETAIL
SCALE: 3" = 1'-0"



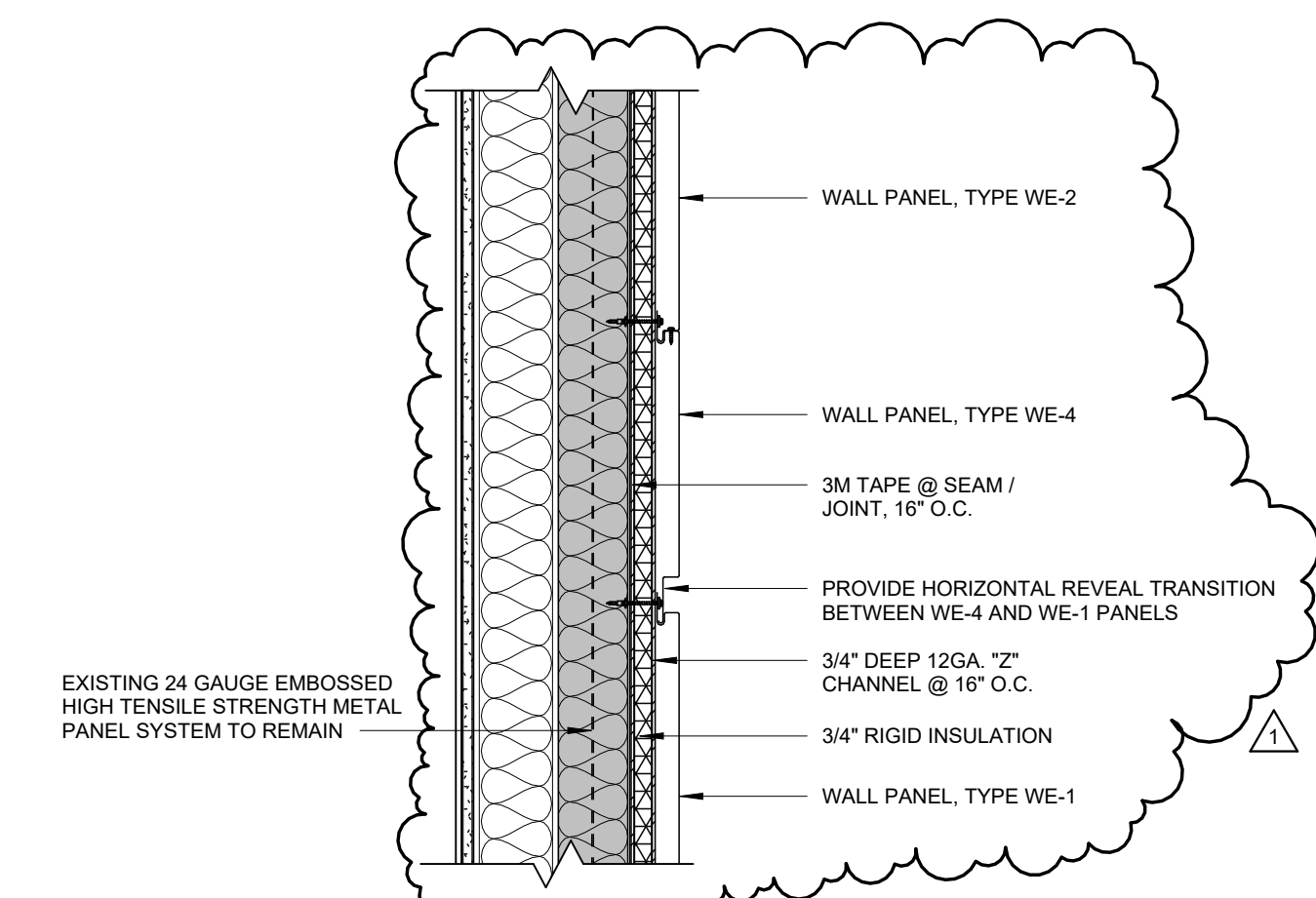
8 FIRESTOPPING - STUD/ROOF - DETAIL A
SCALE: 1 1/2" = 1'-0"



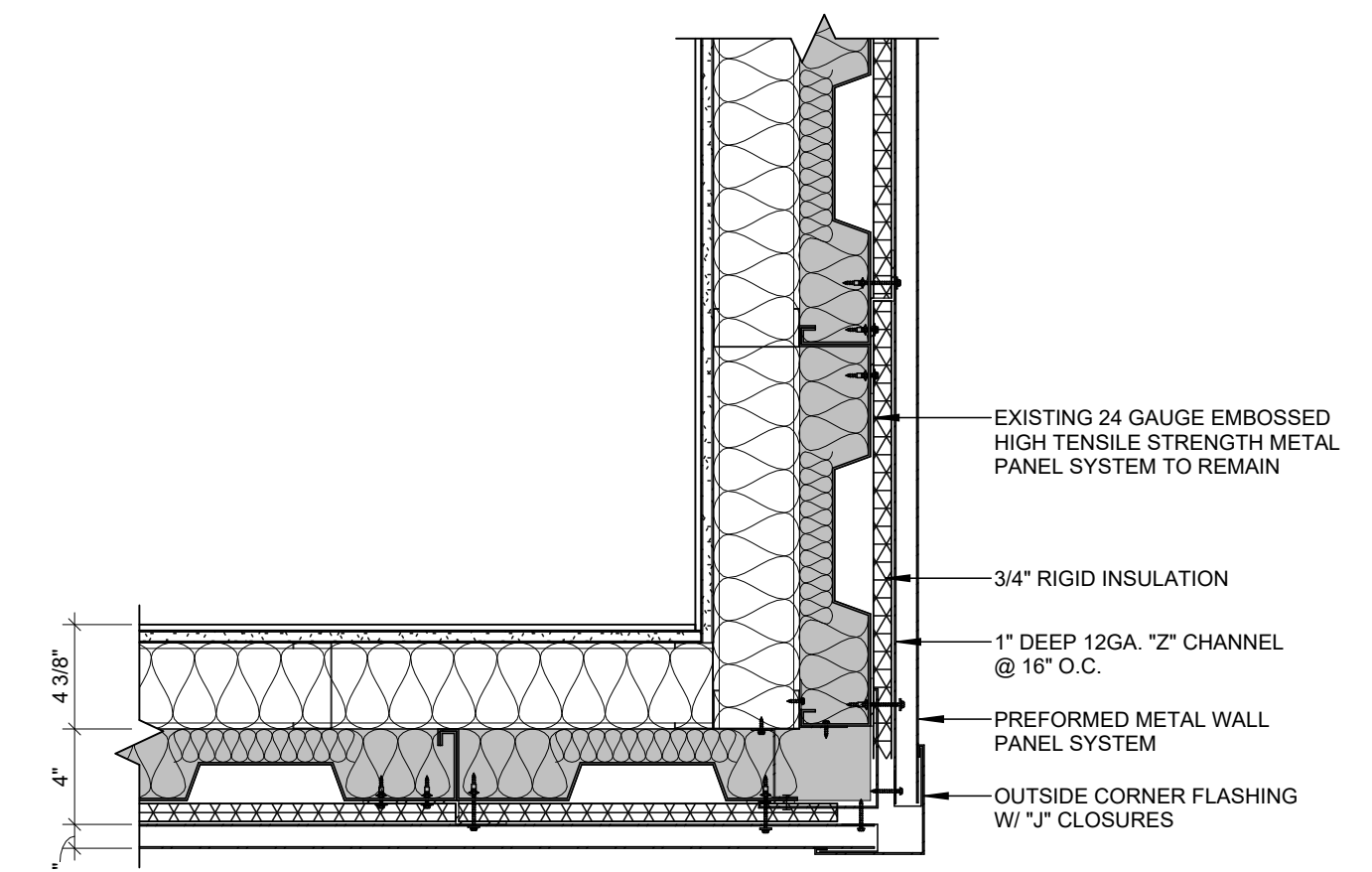
1 TYP. WALL INFILL DETAIL
SCALE: 1 1/2" = 1'-0"



2 EXTERIOR PANEL SPICE DETAIL
SCALE: 1 1/2" = 1'-0"

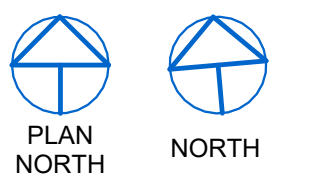
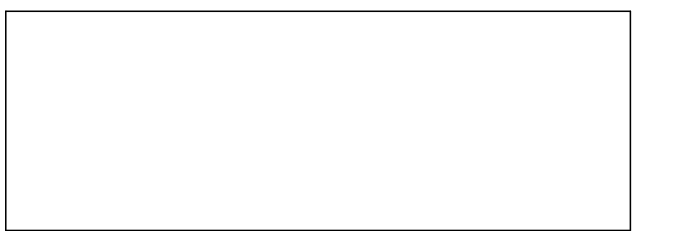


3 EXTERIOR PANEL REVEAL DETAIL
SCALE: 1 1/2" = 1'-0"



4 EXTERIOR PANEL OUTSIDE CORNER DETAIL
SCALE: 1 1/2" = 1'-0"

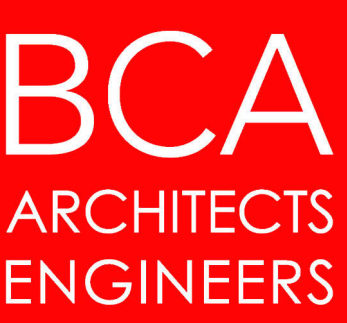
KEY PLAN:



SED NO. 49-90-00-00-039-003

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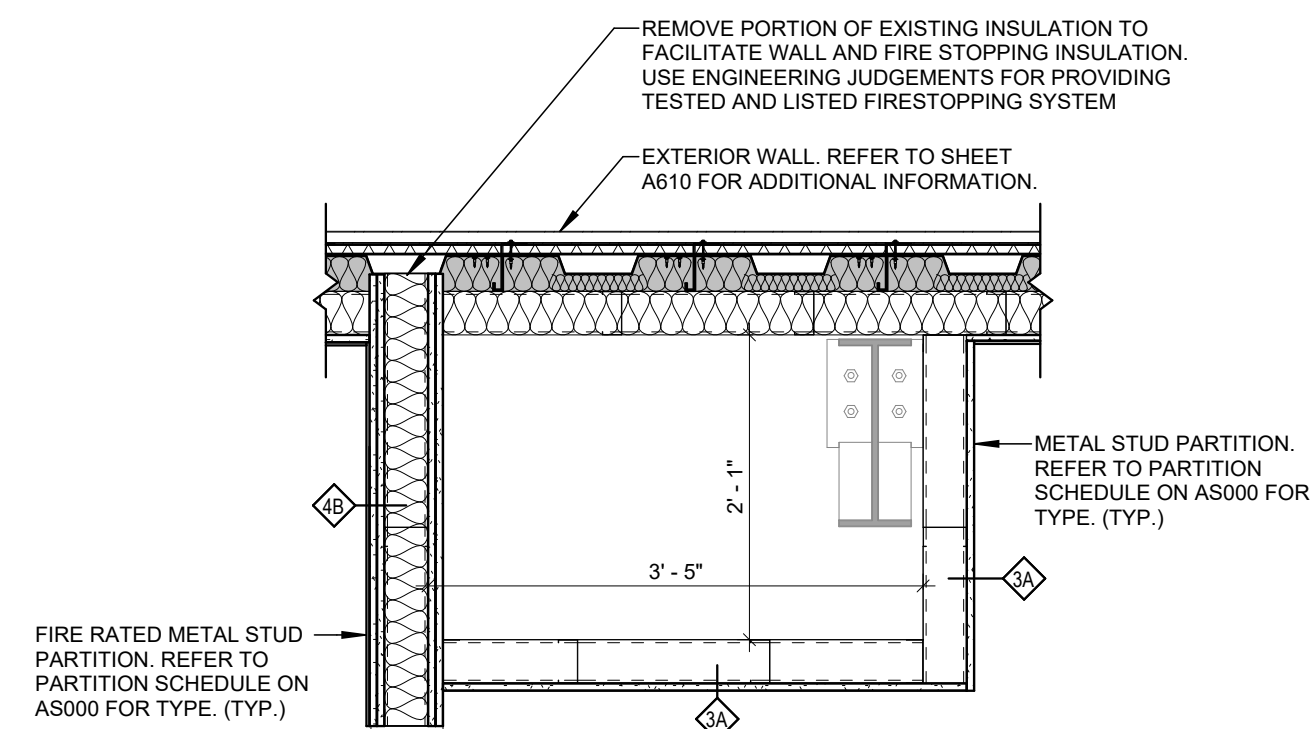
QUESTAR III BOCES
WAREHOUSE CONVERSION
35 COLLEEN RD, TROY, NY 12180
TROY - RENSSELAER COUNTY - NEW YORK

REV	DATE	DESCRIPTION
1	04/05/2024	BID ADDENDUM NO. 2

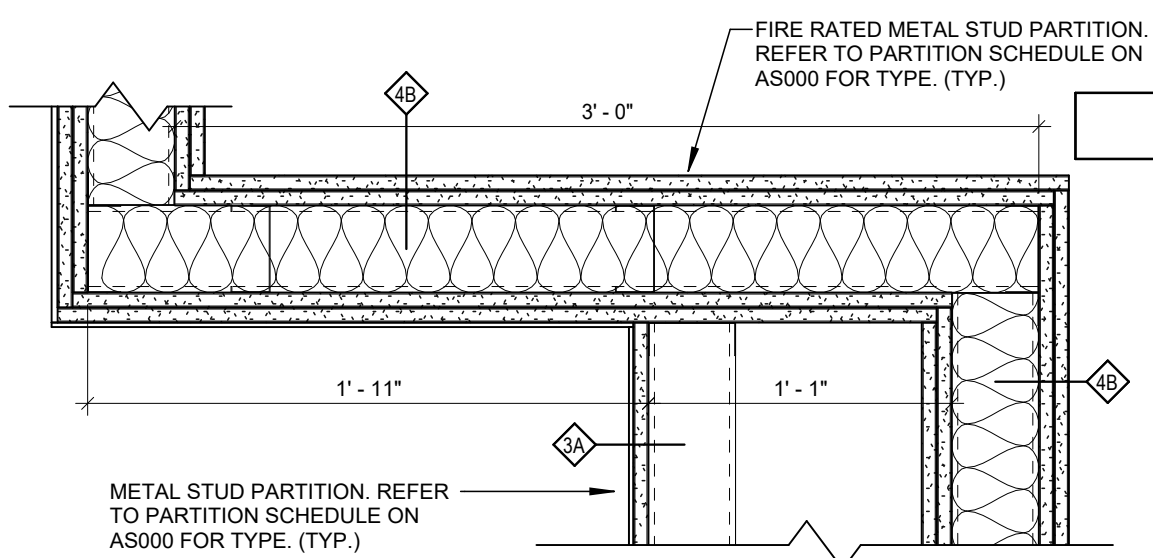
DRAWN BY SSL	PROJECT NUMBER 2023-038
CHECKED BY JAS	DATE 03/08/2024

DETAILS

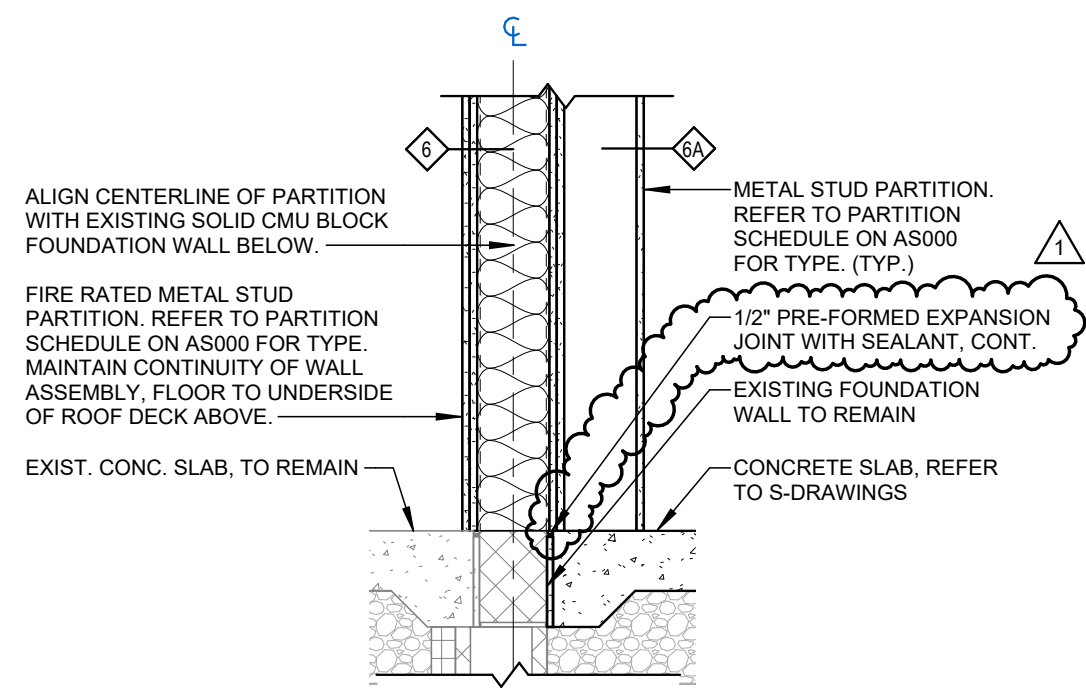
SHEET NUMBER
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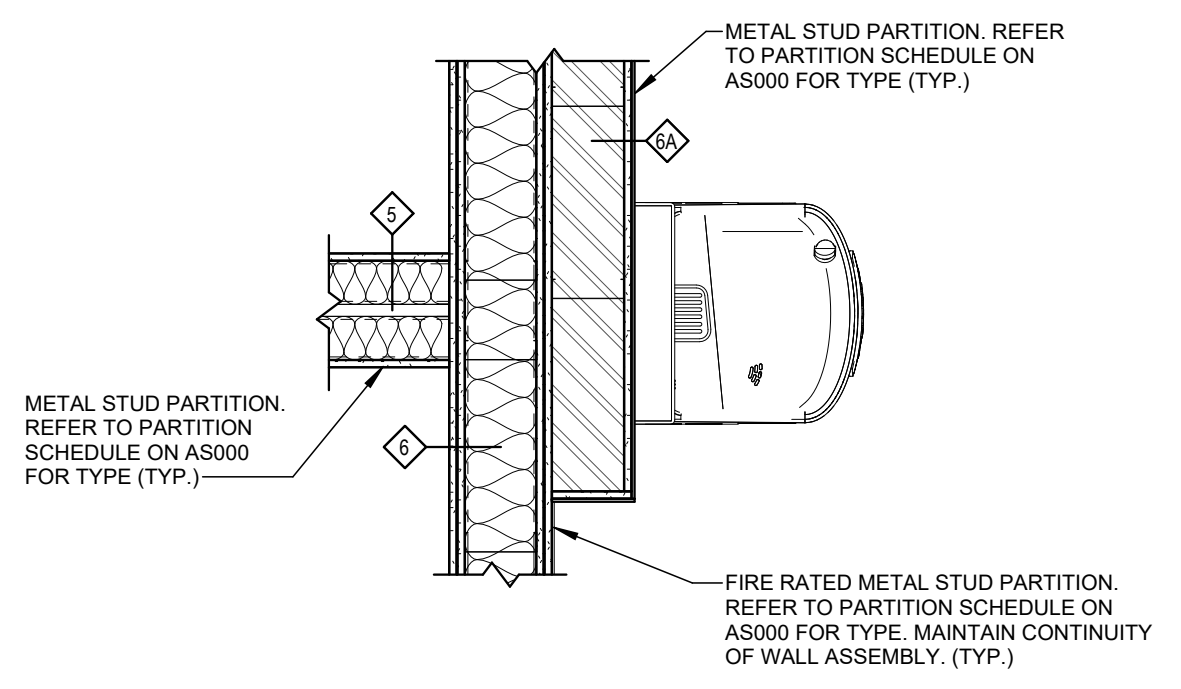
9 PLAN DETAIL - COLUMN 1C
SCALE: 3/4" = 1'-0"



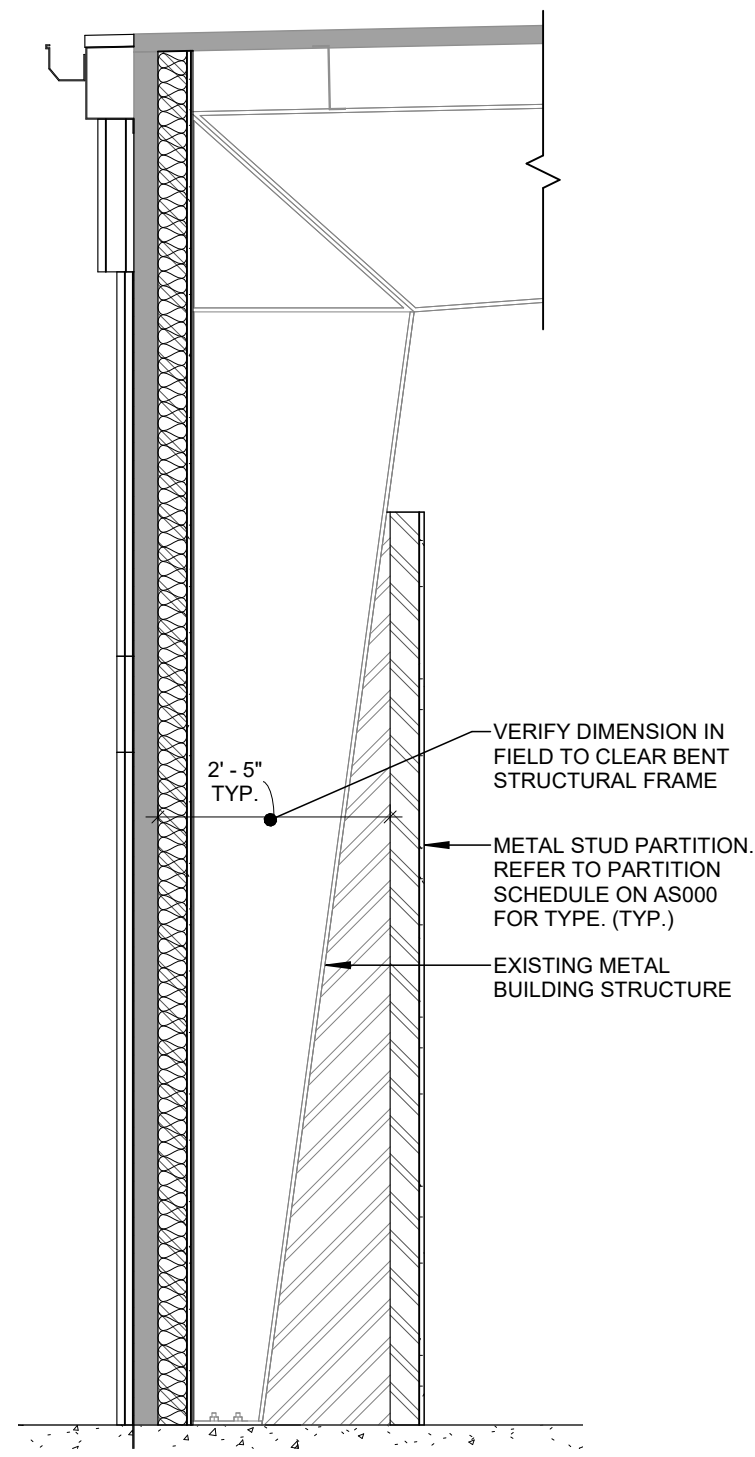
10 PLAN DETAIL
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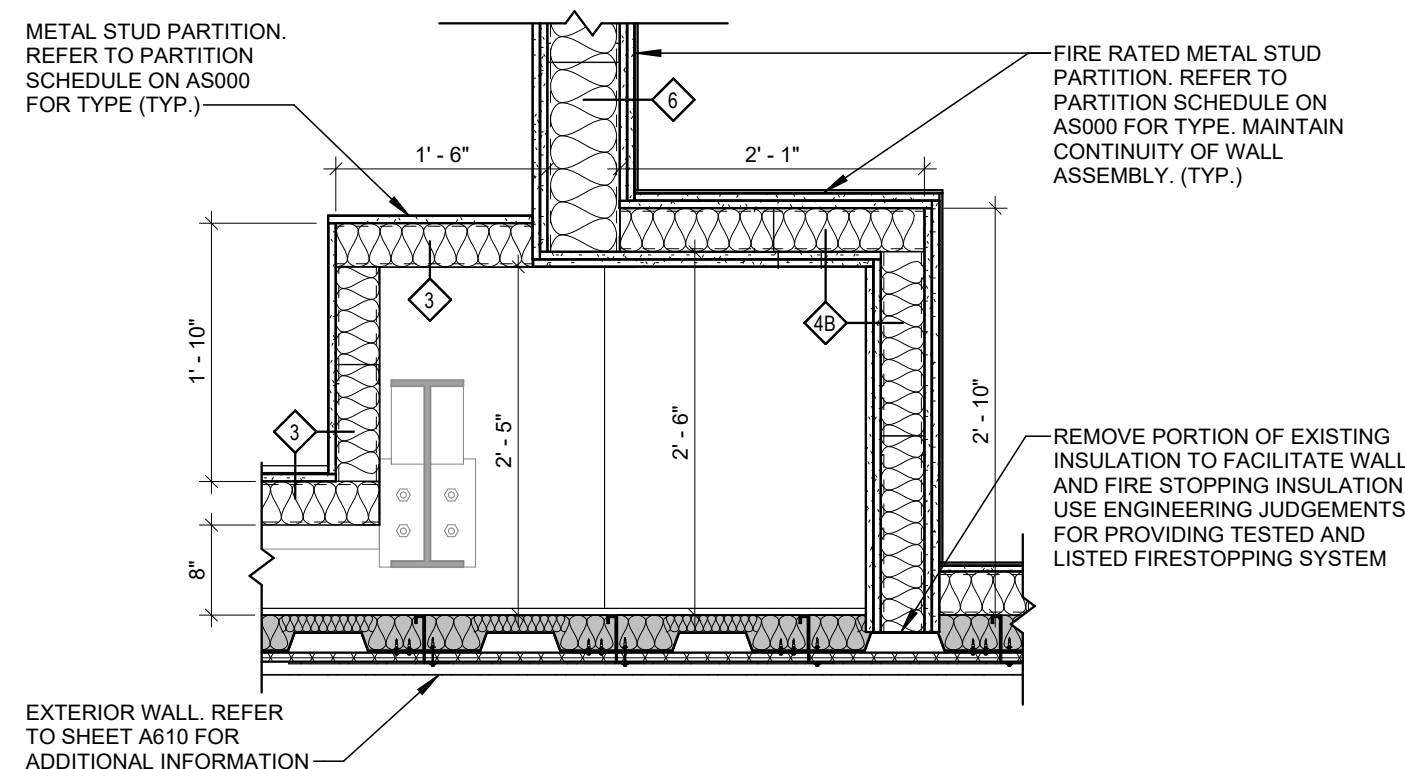
11 PARTITION DETAIL
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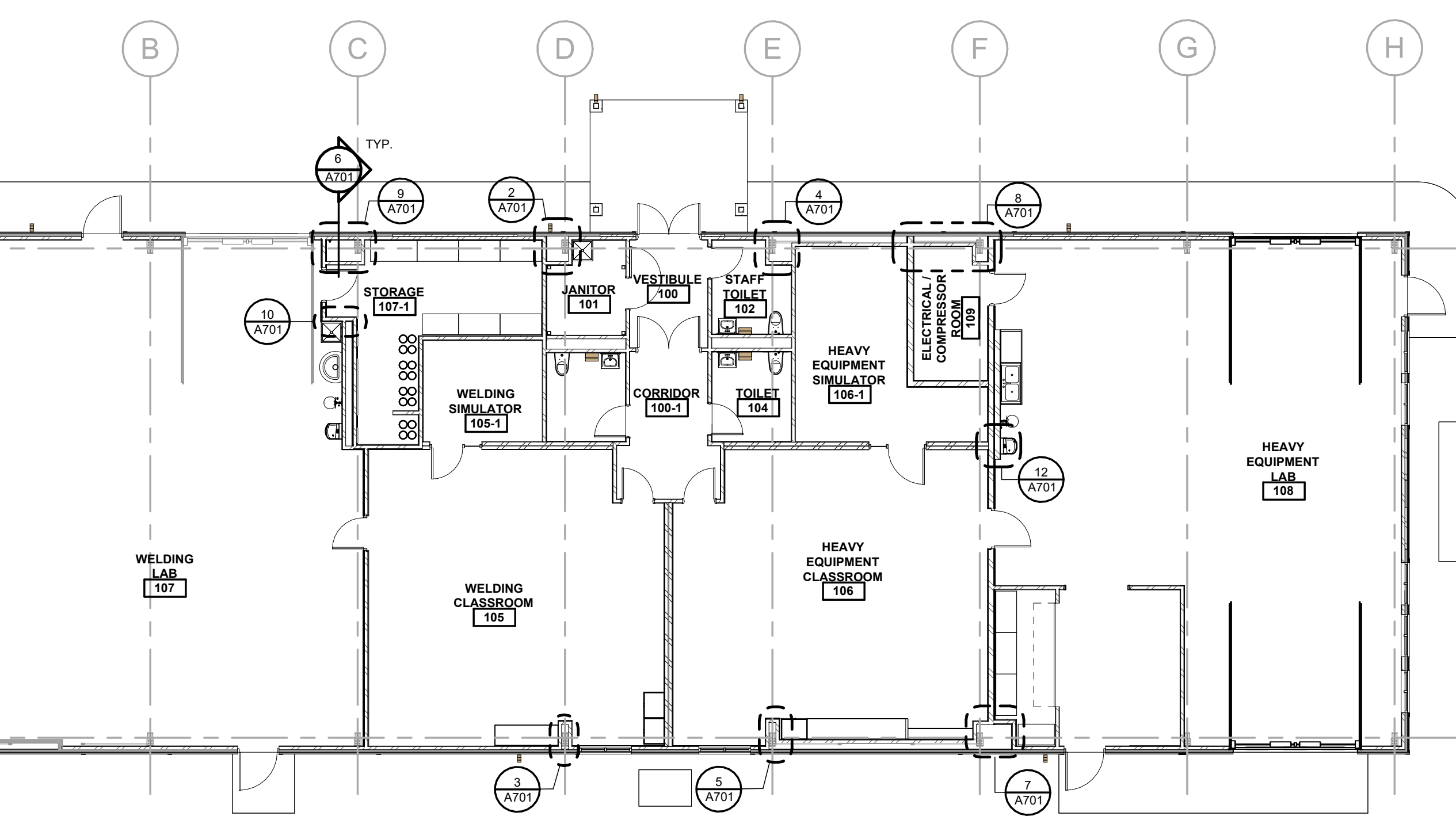
12 PLAN DETAIL @ PLUMBING CHASE
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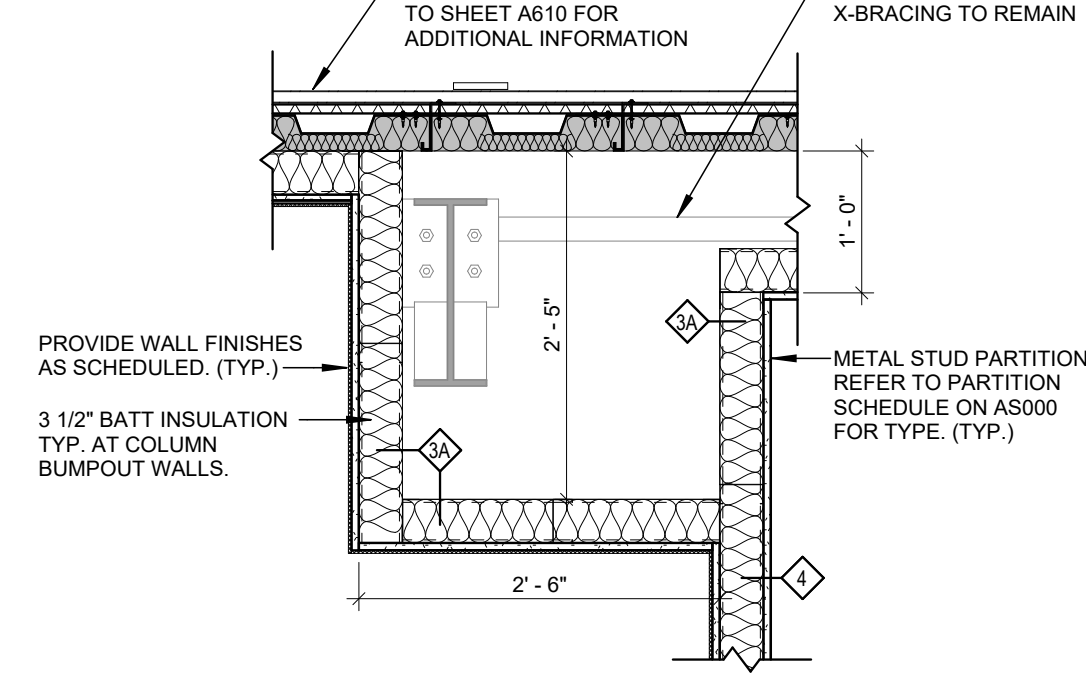
6 SECTION - COLUMN TYP.
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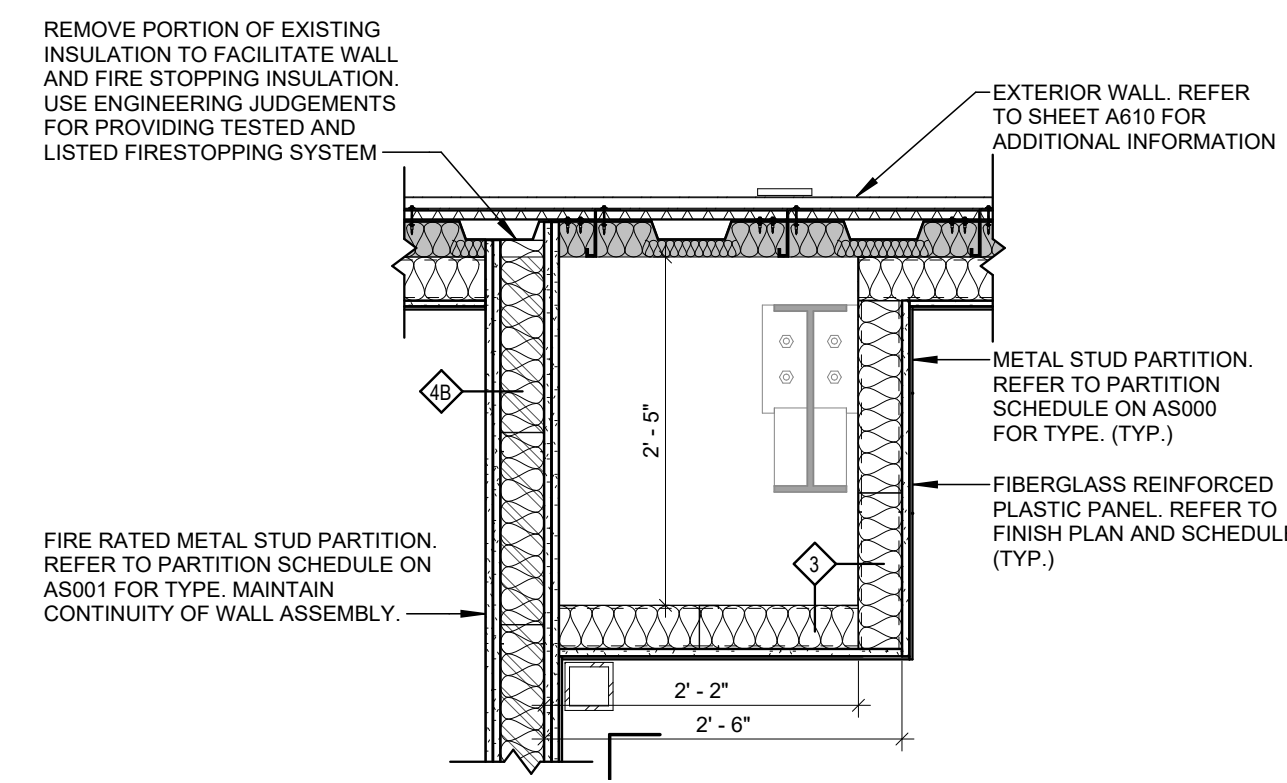
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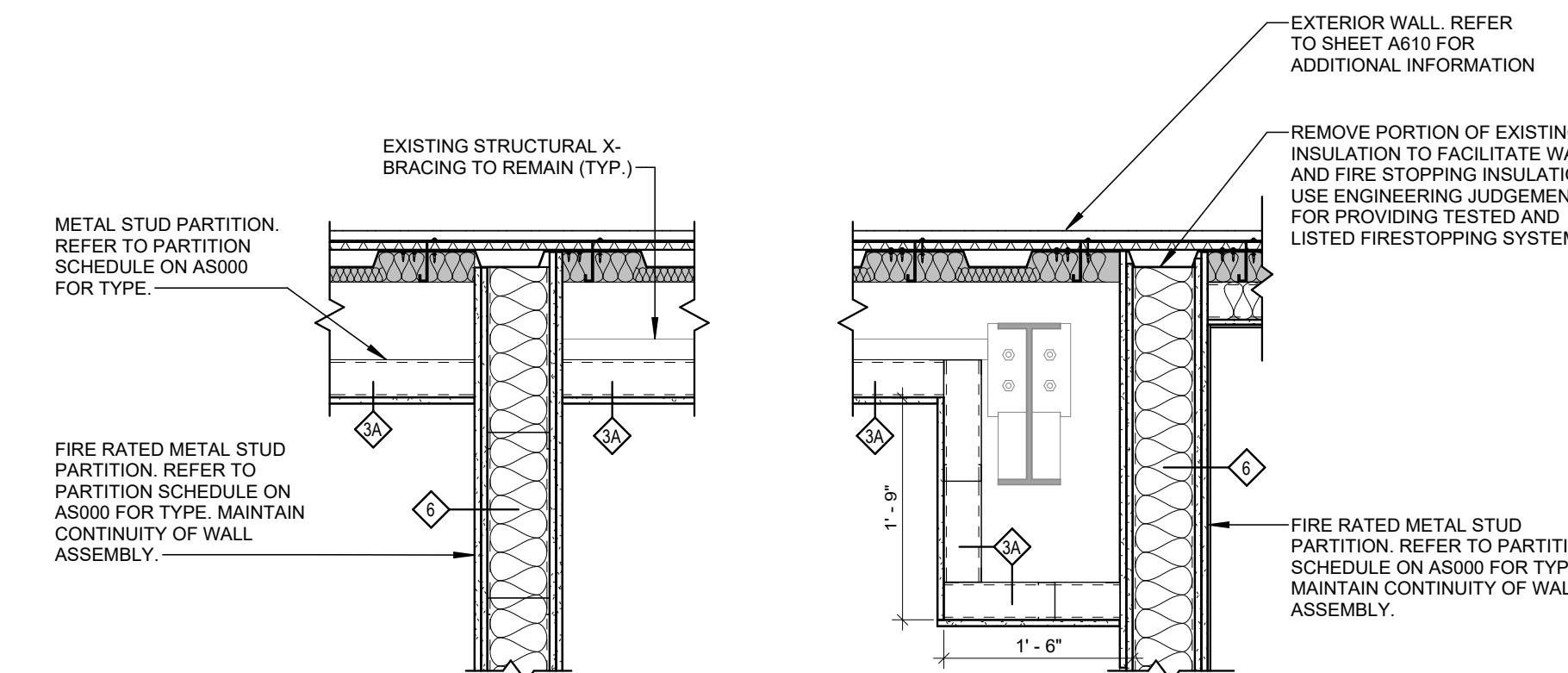
1 COLUMN REFERENCE PLAN
SCALE: 3/32" = 1'-0"



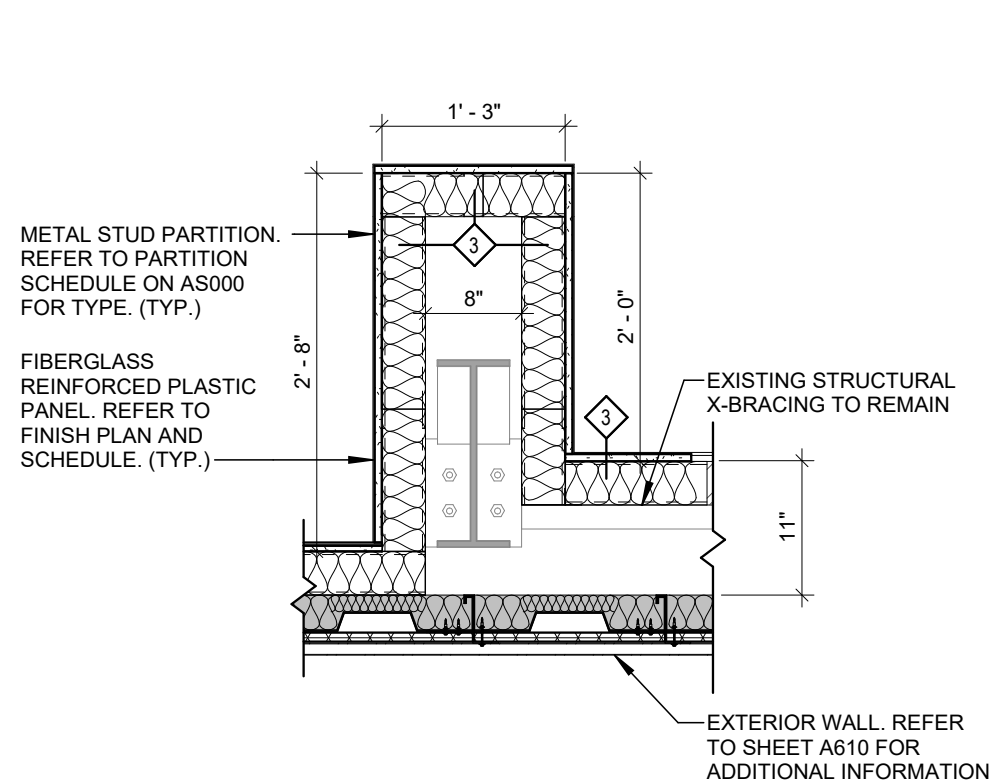
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SCALE: 3/4" = 1'-0"



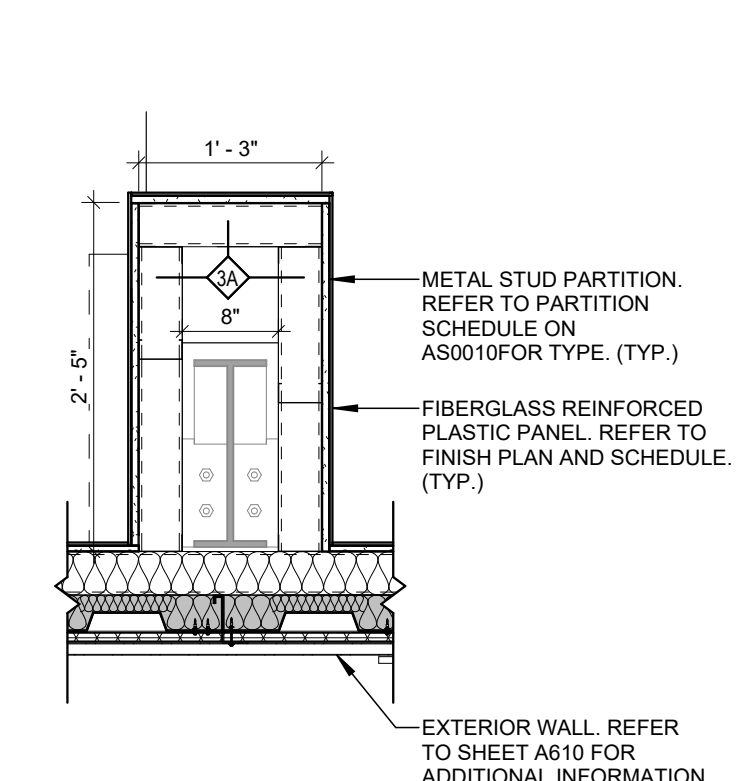
2 PLAN DETAIL - COLUMN 1D
SCALE: 3/4" = 1'-0"



8 PLAN DETAIL - COLUMN 1F
SCALE: 3/4" = 1'-0"



5 PLAN DETAIL - COLUMN 2E
SCALE: 3/4" = 1'-0"

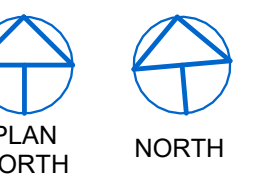
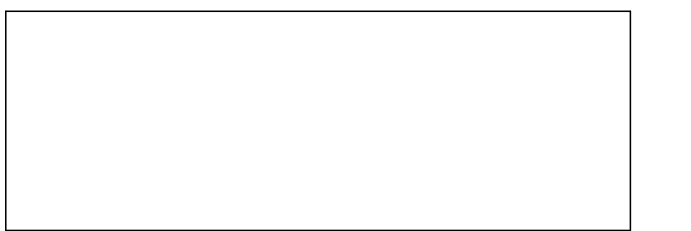


3 PLAN DETAIL - COLUMN 2D
SCALE: 3/4" = 1'-0"

GENERAL PLAN NOTES

1. DETAILS SHOWN ON PLAN DEPICT DESIGN INTENT FOR MAINTAINING FIRE-RATED WALL ASSEMBLY CONTINUITY, BUT DO NOT ILLUSTRATE ALL CONDITIONS WITHIN PROJECT SCOPE THAT ARE REQUIRED AS PER SECTION BC095.707.
2. **PER BC095 707.5** - FIRE BARRIERS SHALL EXTEND FROM THE TOP OF THE FOUNDATION OR FLOOR/CEILING ASSEMBLY BELOW TO THE UNDERSIDE OF THE FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE AND SHALL BE SECURELY ATTACHED THERETO. SUCH FIRE BARRIERS SHALL BE CONTINUOUS THROUGH CONCEALED SPACE, SUCH AS THE SPACE ABOVE A SUSPENDED CEILING. JOINTS AND VOIDS AT INTERSECTIONS SHALL COMPLY WITH SECTIONS 707.8 AND 707.9.
3. **PER BC095 707.8** - JOINTS MADE IN OR BETWEEN FIRE BARRIERS AND JOINTS MADE AT THE INTERSECTION OF A FIRE BARRIER WITH UNDERSIDE OF A FIRE-RESISTANCE RATED FLOOR OR ROOF SHEATHING, SLAB OR DECK ABOVE, AND THE EXTERIOR VERTICAL WALL INTERSECTION SHALL COMPLY WITH SECTION 715.
4. **PER BC095 707.9** - THE VOIDS CREATED AT THE INTERSECTION OF A FIRE BARRIER AND A NON-FIRE-RESISTANCE RATED ROOF ASSEMBLY OR A NON-FIRE-RESISTANCE RATED EXTERIOR WALL ASSEMBLY SHALL BE FILLED. AN APPROVED MATERIAL OR SYSTEM SHALL BE USED TO FILL THE VOID, AND SHALL BE SECURELY INSTALLED IN OR ON THE INTERSECTION FOR ITS ENTIRE LENGTH SO AS NOT TO DISLODGE, LOOSEN OR OTHERWISE IMPAIR ITS ABILITY TO ACCOMMODATE EXPECTED BUILDING MOVEMENTS AND TO RETARD THE PASSAGE OF FIRE AND HOT GASES.

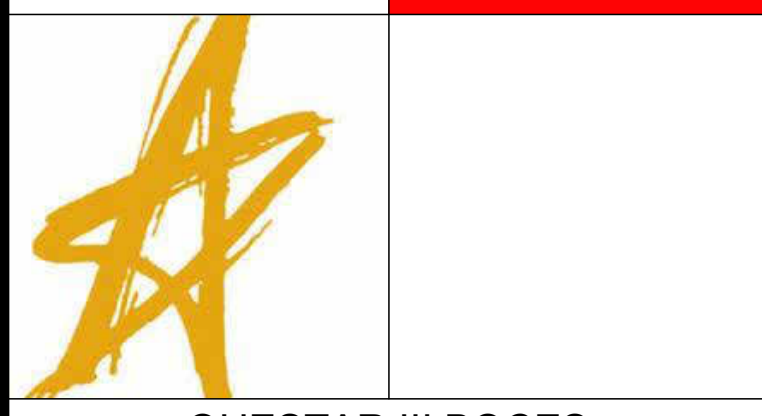
KEY PLAN:



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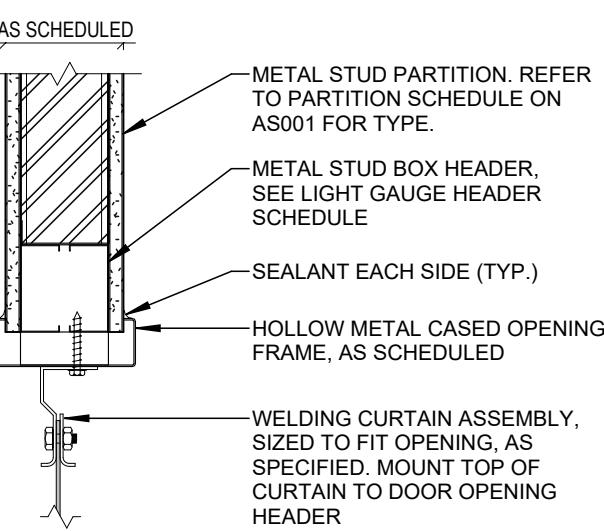
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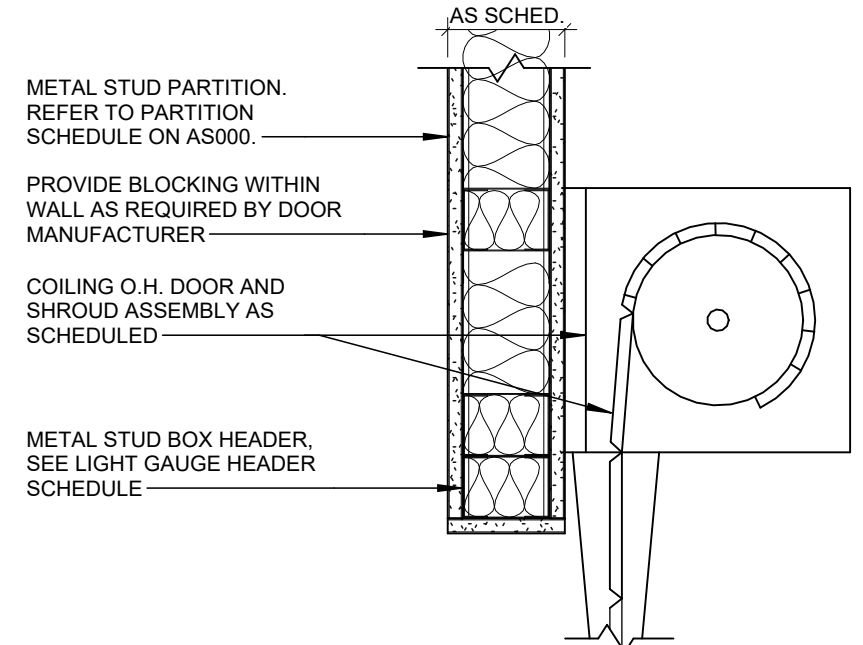
DRAWN BY	PROJECT NUMBER
SSL	2023-038
CHECKED BY	DATE
JAS	03/08/2024

DETAILS

SHEET NUMBER
A701

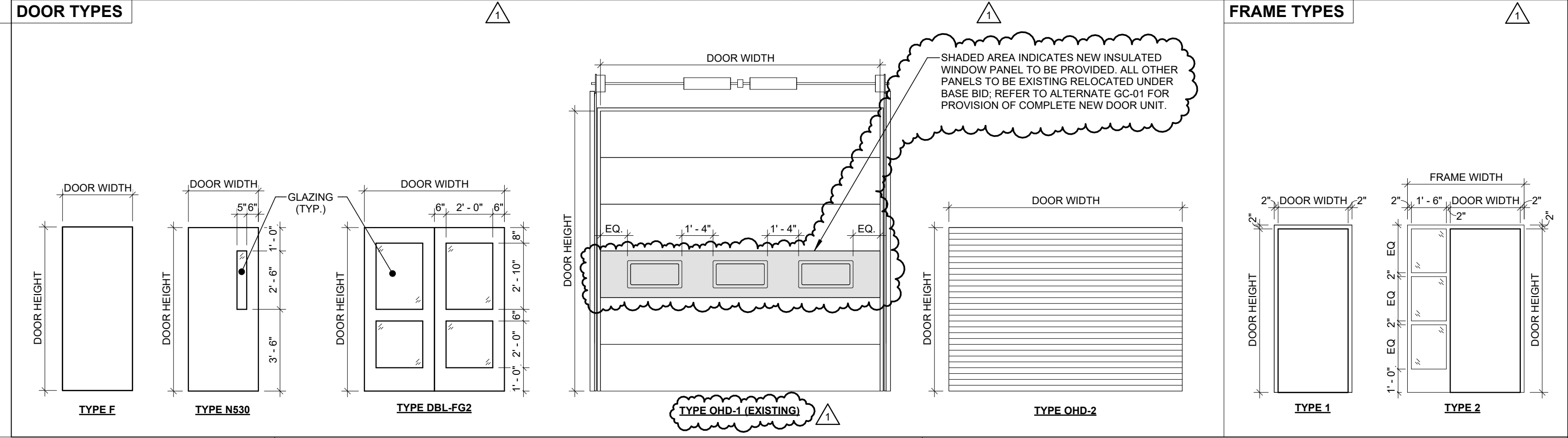


11 OPENING HEAD DETAIL - H6
SCALE: 1 1/2" = 1'-0"

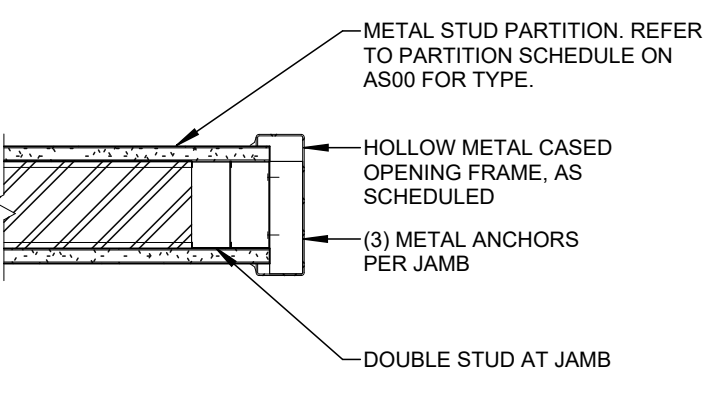


7 DOOR HEAD DETAIL - H5
SCALE: 1 1/2" = 1'-0"

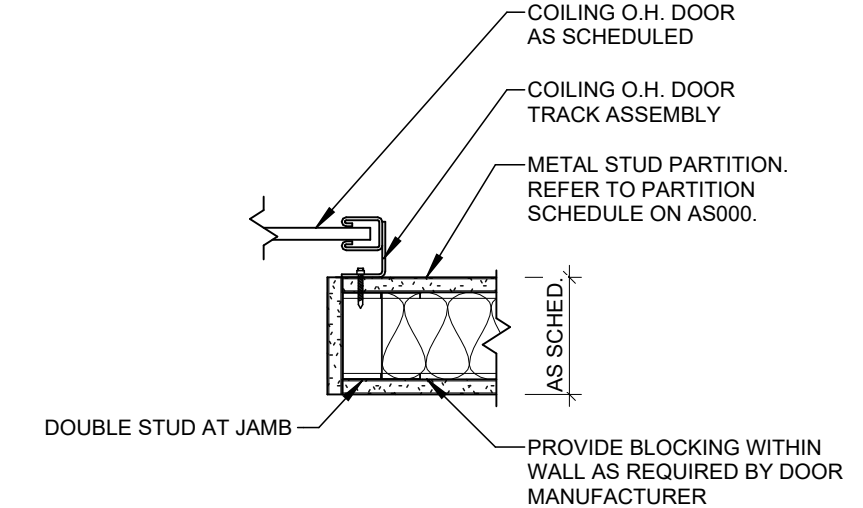
DOOR No.	LOCATION ROOM NAME	DOOR SIZE			ELEV.	DOOR TYPE MATERIAL	FINISH	FRAME TYPE		DETAILS HEAD JAMB	HARDWARE SET	FIRE RATING	GLAZING	REMARKS		
		WIDTH	HEIGHT	THICKNESS				MATERIAL	FINISH							
100	VESTIBULE	6'-0"	7'-0"	1 3/4"	DBL-FG	FRP	FACTORY	1	FRP	FACTORY	H2	J2	01	-	1" INSULATED	
100-1	CORRIDOR	6'-0"	7'-0"	1 3/4"	DBL-FG	HOLLOW METAL	FACTORY	1	HOLLOW METAL	PAINT	H1	J1	02	-	1" INSULATED	
101	JANITOR	3'-0"	7'-0"	1 3/4"	F	WOOD	FACTORY	1	HOLLOW METAL	PAINT	H1	J1	03	45 MIN.	-	PROVIDE MARBLE THRESHOLD AT DOOR
102	STAFF TOILET	3'-0"	7'-0"	1 3/4"	F	WOOD	FACTORY	1	HOLLOW METAL	PAINT	H1	J1	04	45 MIN.	-	PROVIDE MARBLE THRESHOLD AT DOOR
103	TOILET	3'-0"	7'-0"	1 3/4"	F	WOOD	FACTORY	1	HOLLOW METAL	PAINT	H1	J1	04	45 MIN.	-	PROVIDE MARBLE THRESHOLD AT DOOR
104	TOILET	3'-0"	7'-0"	1 3/4"	F	WOOD	FACTORY	1	HOLLOW METAL	PAINT	H1	J1	04	45 MIN.	-	PROVIDE MARBLE THRESHOLD AT DOOR
105	WELDING CLASSROOM	3'-0"	7'-0"	1 3/4"	N530	WOOD	FACTORY	1	HOLLOW METAL	PAINT	H1	J1	05	45 MIN.	1/4" SAFETY	
105-1	WELDING SIMULATOR	5'-0"	7'-0"	1 3/4"	N530	WOOD	FACTORY	2	HOLLOW METAL	PAINT	H1	J1	06	-	1/4" SAFETY	
106	HEAVY EQUIPMENT CLASSROOM	3'-0"	7'-0"	1 3/4"	N530	WOOD	FACTORY	1	HOLLOW METAL	PAINT	H1	J1	05	45 MIN.	1/4" SAFETY	
106-1	HEAVY EQUIPMENT SIMULATOR	5'-6"	7'-0"	1 3/4"	N530	WOOD	FACTORY	2	HOLLOW METAL	PAINT	H1	J1	06	-	1/4" SAFETY	
107-1	STORAGE	3'-0"	7'-0"	1 3/4"	F	HOLLOW METAL	PAINT	1	HOLLOW METAL	PAINT	H1	J1	07	90 MIN.	-	
107A	WELDING LAB	3'-8"	7'-0"	1 3/4"	N530	FRP	FACTORY	1	FRP	FACTORY	H3	J3	08	-	1" INSULATED	
107B	WELDING LAB	3'-0"	7'-0"	1 3/4"	N530	HOLLOW METAL	PAINT	1	HOLLOW METAL	PAINT	H1	J1	09	90 MIN.	1/4" SAFETY	
107C	WELDING LAB	3'-8"	7'-0"	1 3/4"	N530	FRP	FACTORY	1	FRP	FACTORY	H3	J3	08	-	1" INSULATED	
108A	HEAVY EQUIPMENT LAB	3'-6"	7'-0"	1 3/4"	N530	HOLLOW METAL	PAINT	1	HOLLOW METAL	PAINT	H1	J1	09	90 MIN.	1/4" SAFETY	PROVIDE SCHLUTER-RENO-T IN BRUSHED STAINLESS STEEL SET INTO SLAB EXPANSION JOINT WITH SEALANT ACROSS OPENING
108B	HEAVY EQUIPMENT LAB	3'-8"	7'-0"	1 3/4"	N530	FRP	FACTORY	1	FRP	FACTORY	H3	J3	08	-	1" INSULATED	
108C	HEAVY EQUIPMENT LAB	3'-8"	7'-0"	1 3/4"	N530	FRP	FACTORY	1	FRP	FACTORY	H3	J3	08	-	1" INSULATED	
108D	HEAVY EQUIPMENT LAB	6'-0"	7'-0"	1 3/4"	-	-	-	-	HOLLOW METAL	PAINT	H6	J6	-	-	-	HOLLOW METAL FRAMED CASING OPENING
109	ELECTRICAL / COMPRESSOR ROOM	3'-0"	7'-0"	1 3/4"	F	HOLLOW METAL	PAINT	1	HOLLOW METAL	PAINT	H1	J1	03	90 MIN.	-	PROVIDE SCHLUTER-RENO-T IN BRUSHED STAINLESS STEEL SET INTO SLAB EXPANSION JOINT WITH SEALANT ACROSS OPENING
OH-7	WELDING LAB	12'-0"	12'-0"	1 3/8"	EXISTING	EXISTING	-	-	-	-	H4	J4	10	-	-	REFER TO DOOR TYPES LEGEND FOR FURTHER INFORMATION
OH-8A	HEAVY EQUIPMENT LAB	12'-0"	12'-0"	1 3/8"	OHD-1	EXISTING	EXISTING	-	-	-	H4	J4	10	-	-	REFER TO DOOR TYPES LEGEND FOR FURTHER INFORMATION
OH-8B	HEAVY EQUIPMENT LAB	12'-0"	12'-0"	1 3/8"	OHD-1	EXISTING	EXISTING	-	-	-	H4	J4	10	-	-	REFER TO DOOR TYPES LEGEND FOR FURTHER INFORMATION
OH-8C	HEAVY EQUIPMENT LAB	10'-0"	7'-0"	1 3/8"	OHD-2	STEEL	FACTORY	-	-	-	H5	J5	10	-	-	REFER TO DOOR TYPES LEGEND FOR FURTHER INFORMATION



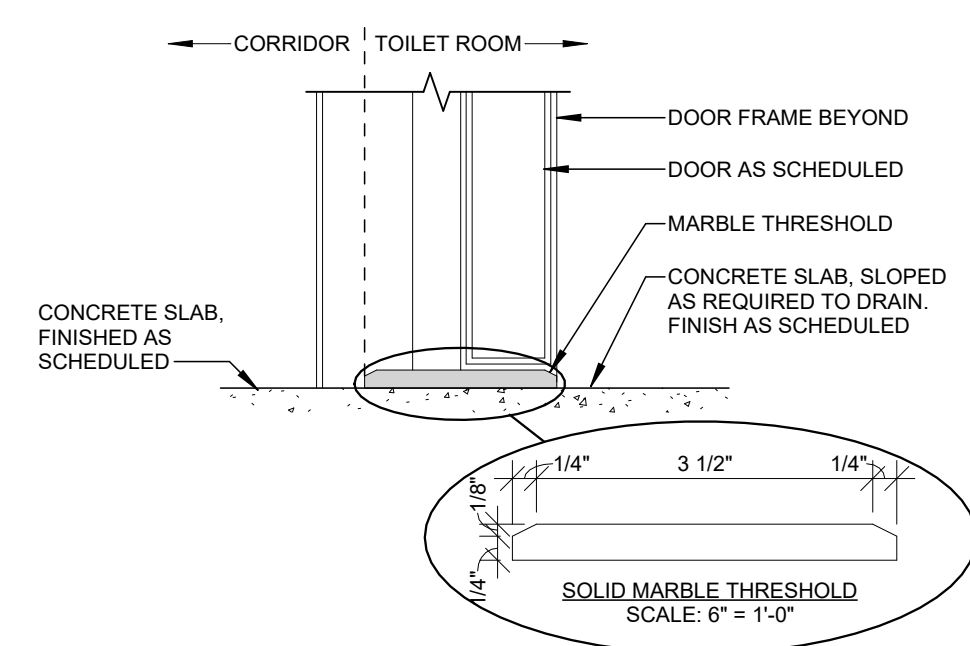
DOOR TYPES **FRAME TYPES**



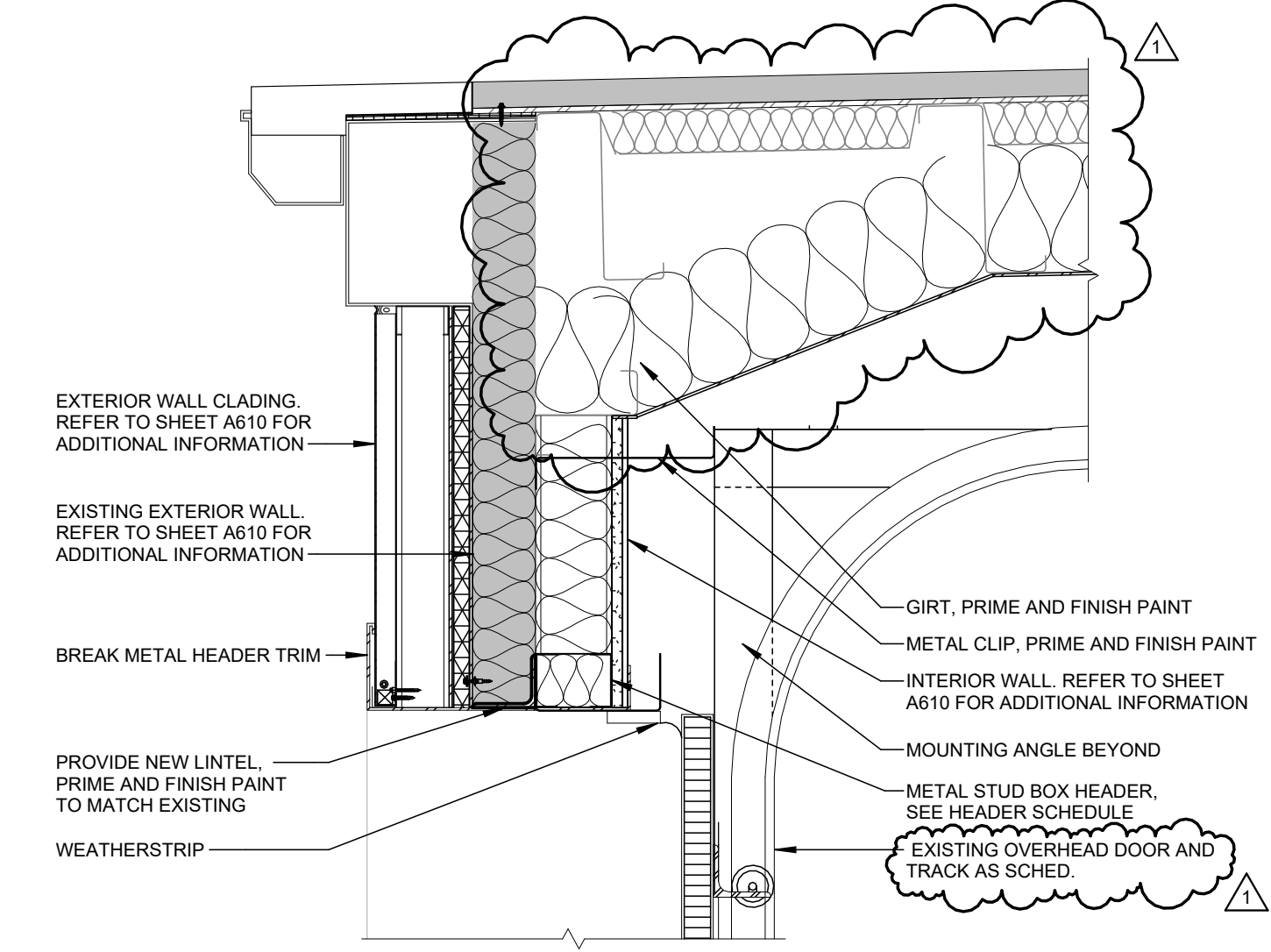
12 OPENING JAMB DETAIL - J6
SCALE: 1 1/2" = 1'-0"



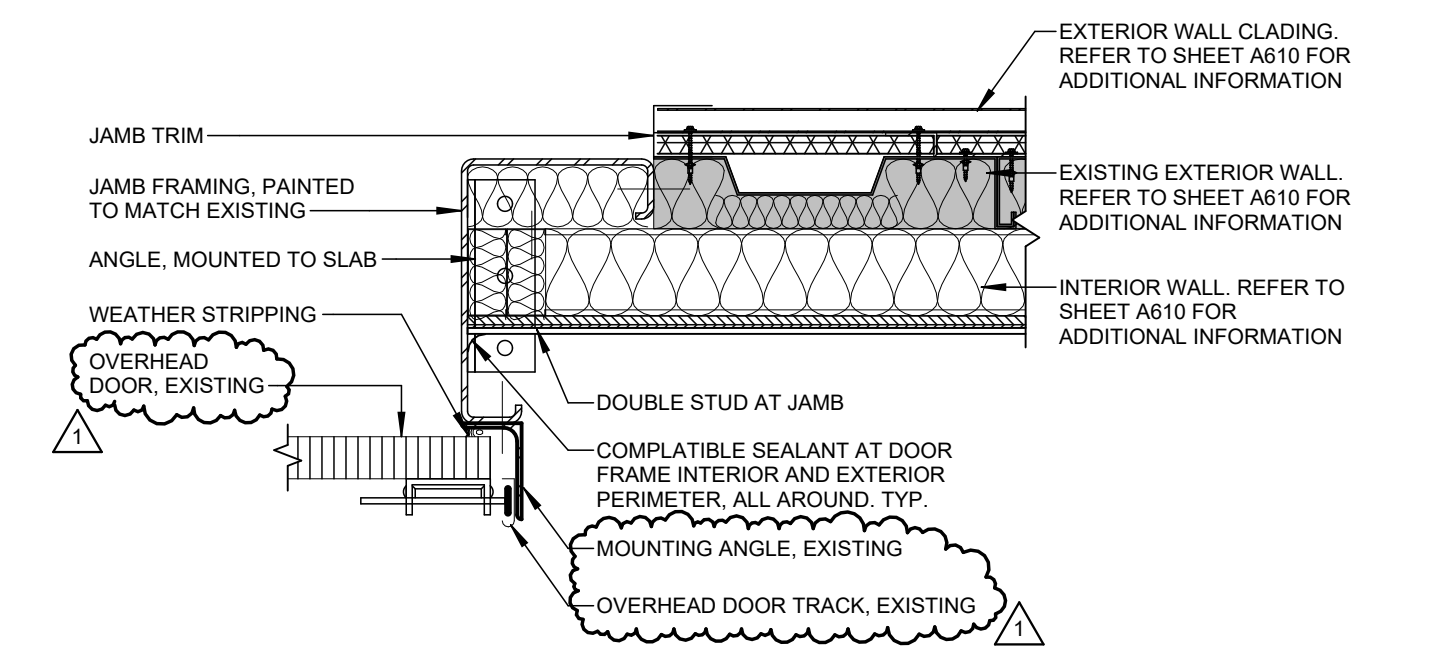
8 DOOR JAMB DETAIL - J5
SCALE: 1 1/2" = 1'-0"



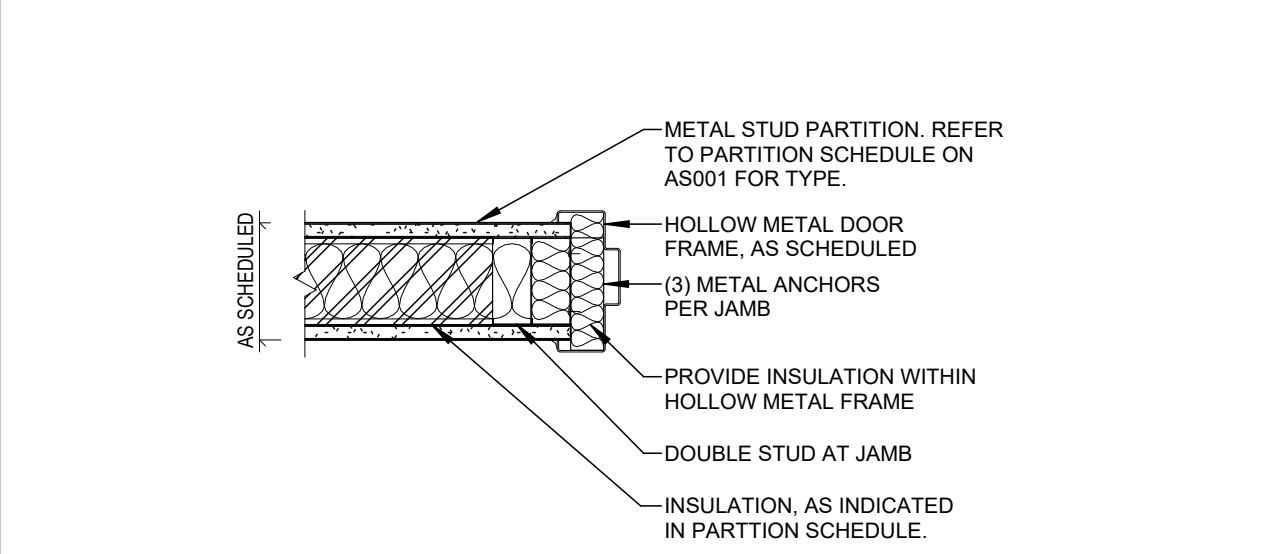
13 TYP. TOILET ROOM THRESHOLD
SCALE: 3" = 1'-0"



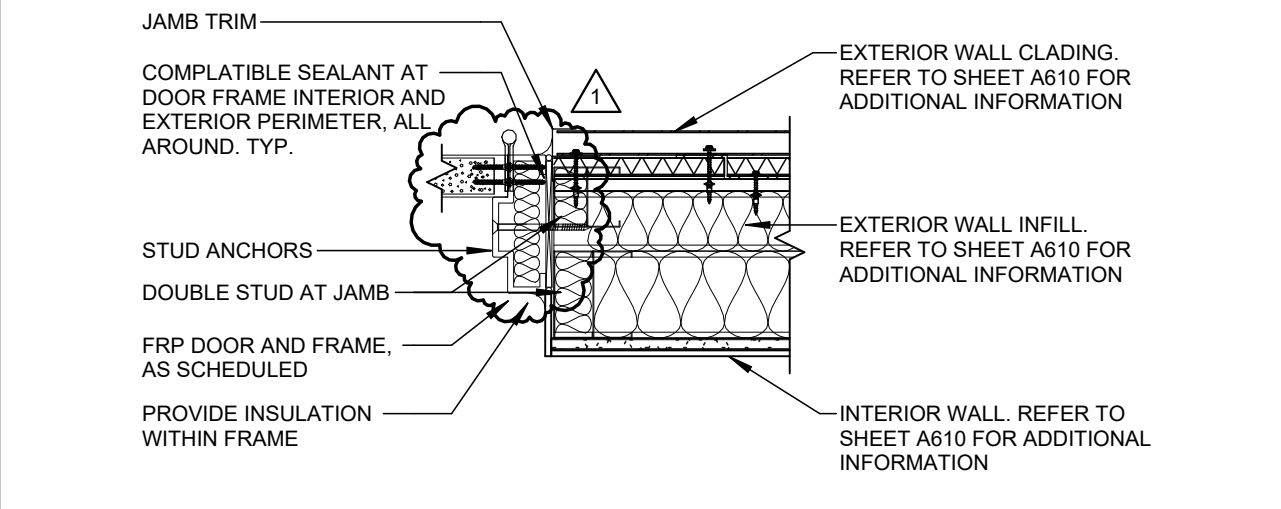
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SCALE: 1 1/2" = 1'-0"



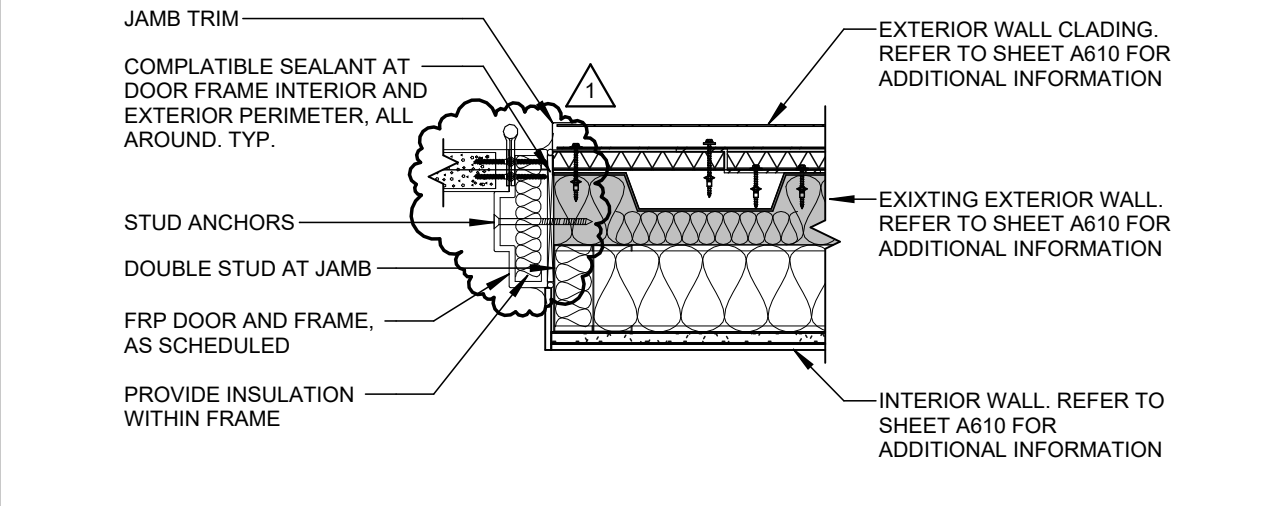
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SCALE: 1 1/2" = 1'-0"



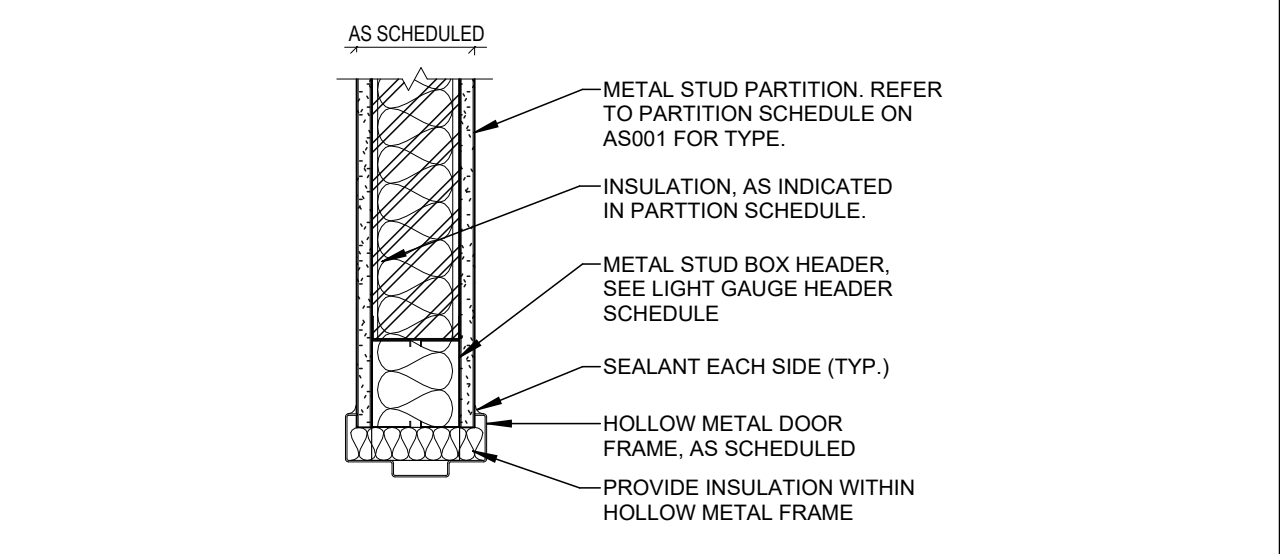
4 DOOR JAMB DETAIL - J1
SCALE: 1 1/2" = 1'-0"



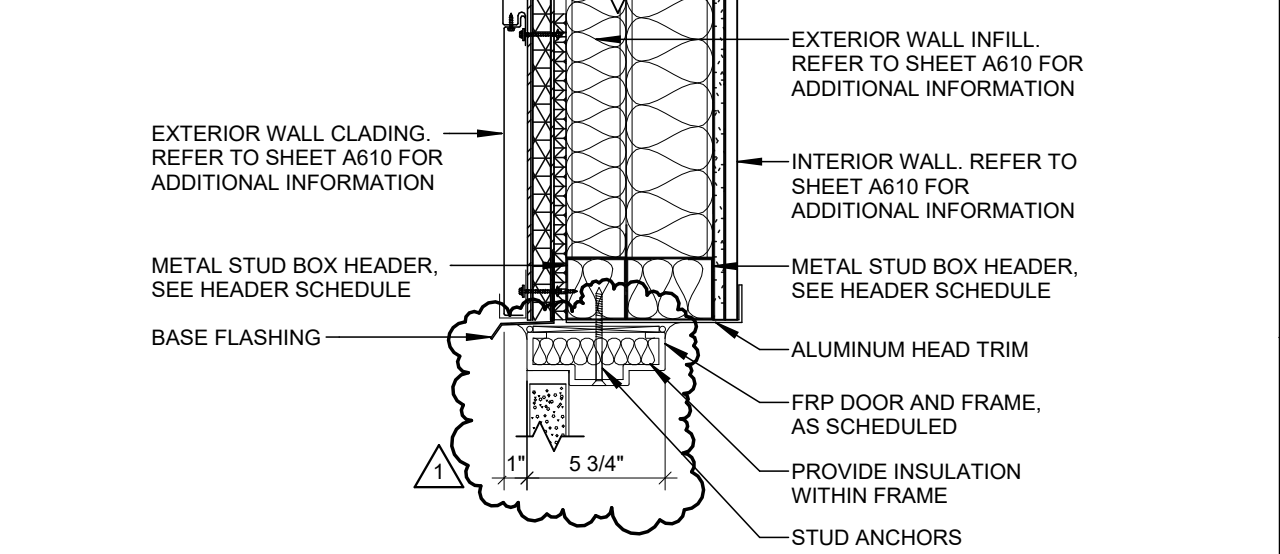
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SCALE: 1 1/2" = 1'-0"



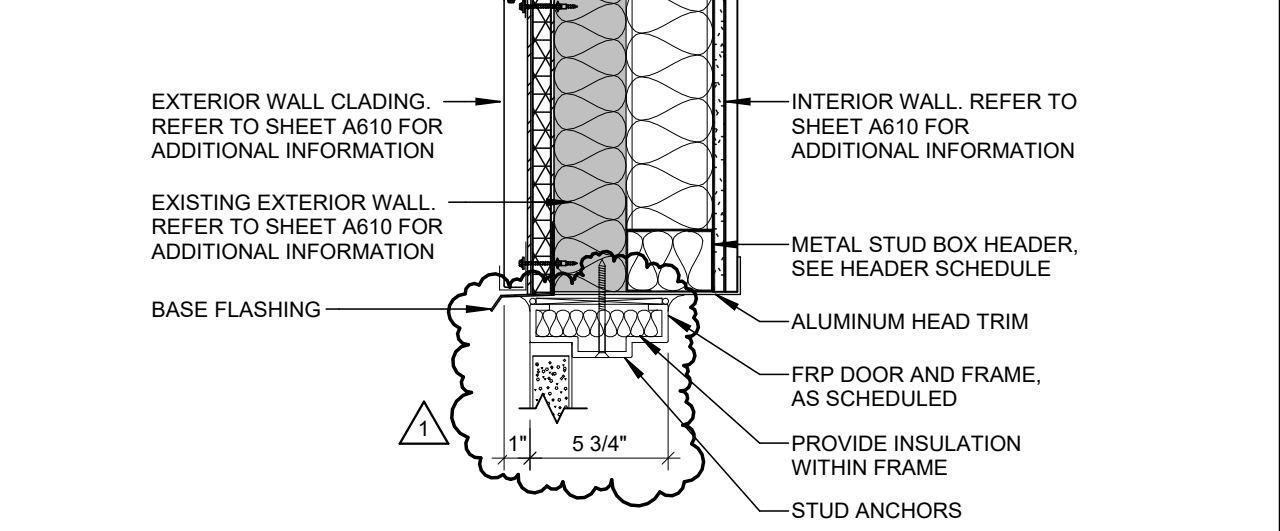
6 DOOR JAMB DETAIL - J3
SCALE: 1 1/2" = 1'-0"



1 DOOR HEAD DETAIL - H1
SCALE: 1 1/2" = 1'-0"



2 DOOR HEAD DETAIL - H2
SCALE: 1 1/2" = 1'-0"

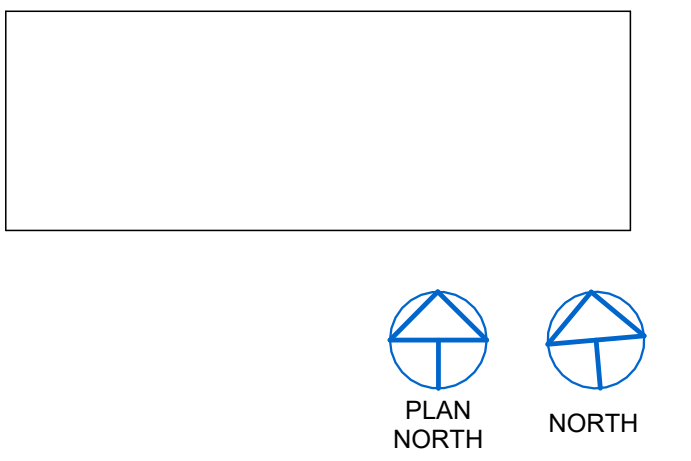


3 DOOR HEAD DETAIL - H3
SCALE: 1 1/2" = 1'-0"

GENERAL DOOR NOTES

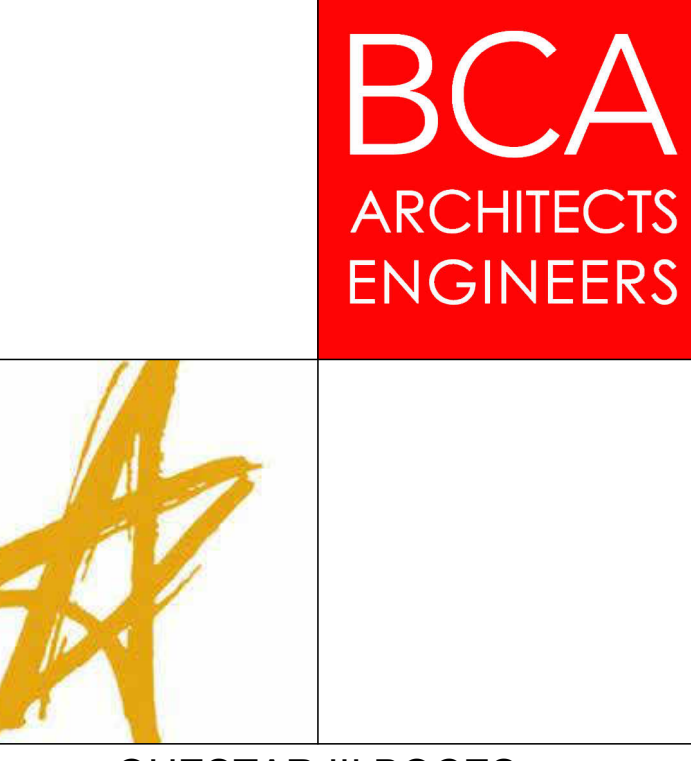
- GLAZING FOR ALL NON-RATED INTERIOR DOORS, Sidelites, and view windows to be 1/4" THICK FULLY TEMPERED. REFER TO DOOR SCHEDULE FOR GLAZING TYPE INFORMATION.
- PROVIDE INTUMESCENT SEALS INCORPORATED INTO STILES OF ALL CATEGORY A FIRE-RATED DOORS.
- PROVIDE SMOKE SEALS INSTALLED ALONG RABBIT (NOT STOPS) OF ALL FIRE RATED FRAMES.
- UNDERCUT FOR ALL FIRE-RATED DOORS SHALL NOT EXCEED 3/4" AS PER NFPA 80.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DOOR OPENING CONDITIONS PRIOR TO FABRICATION.
- REFER TO PARTITION SCHEDULE AND PLANS FOR WALL CONDITIONS. MAINTAIN SEPARATION FROM DISSIMILAR MATERIALS.

KEY PLAN:



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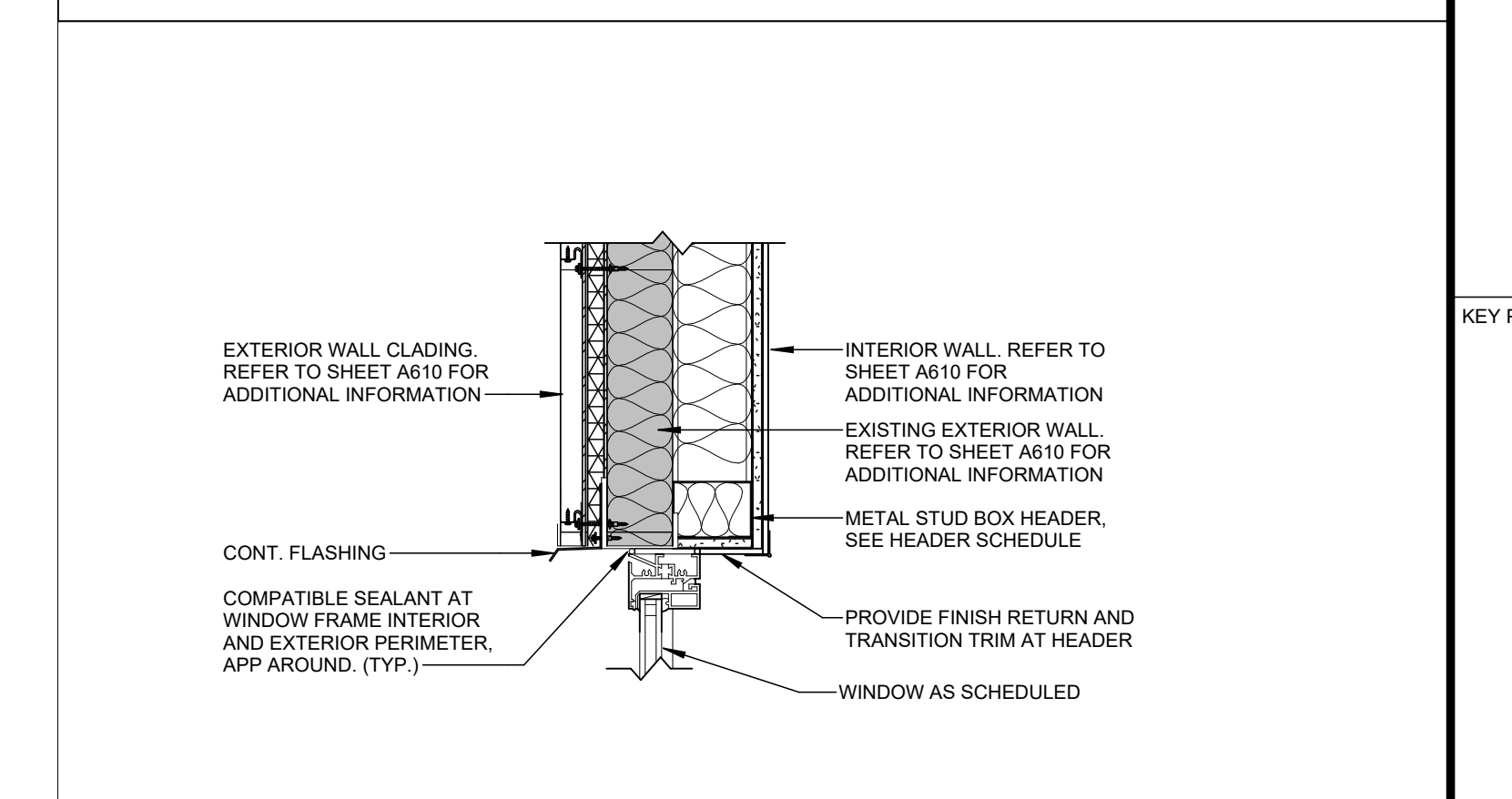
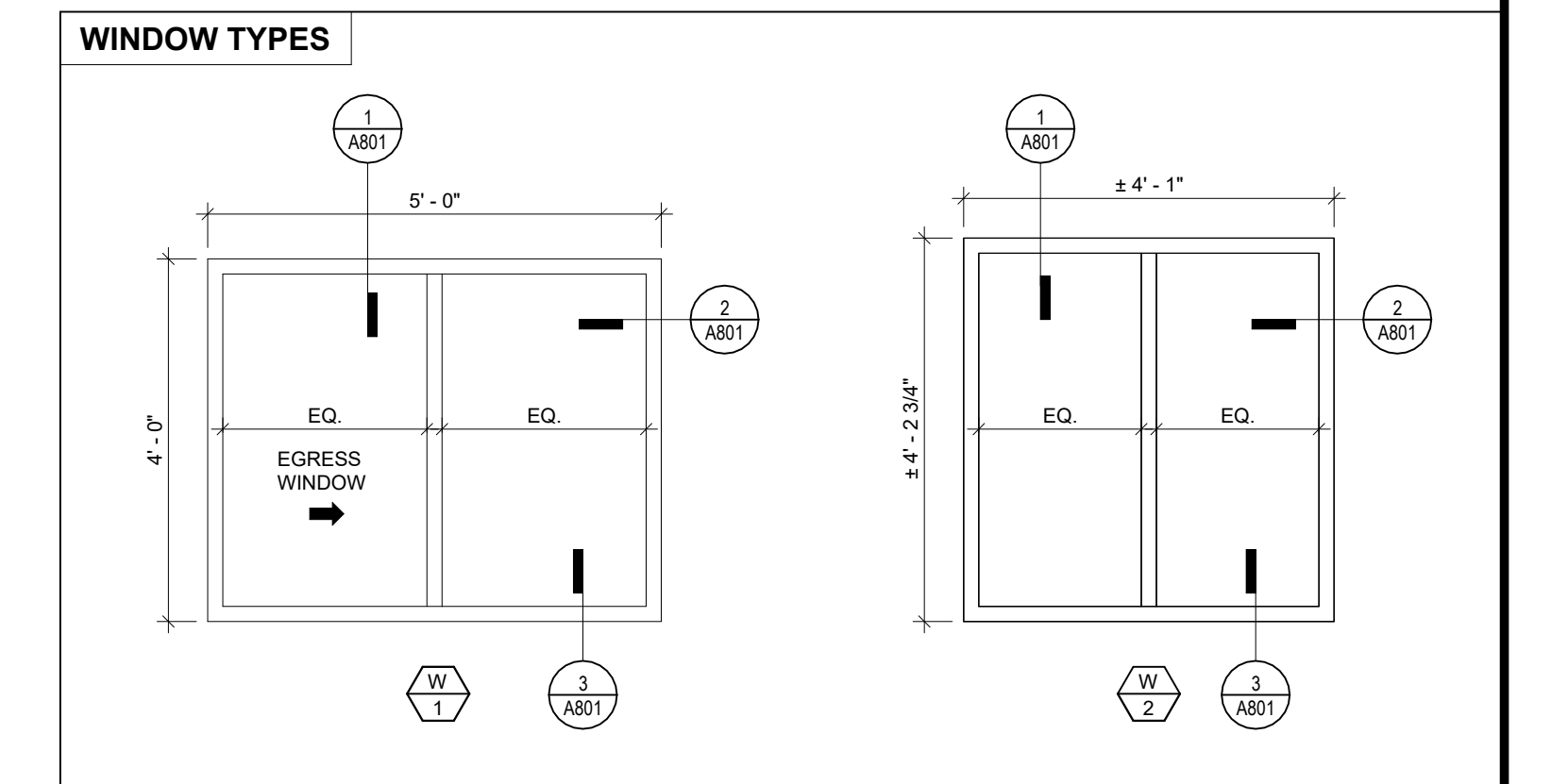
REV	DATE	DESCRIPTION
1	04/05/2024	BID ADDENDUM NO. 2

DOOR SCHEDULE, ELEVATIONS AND DETAILS

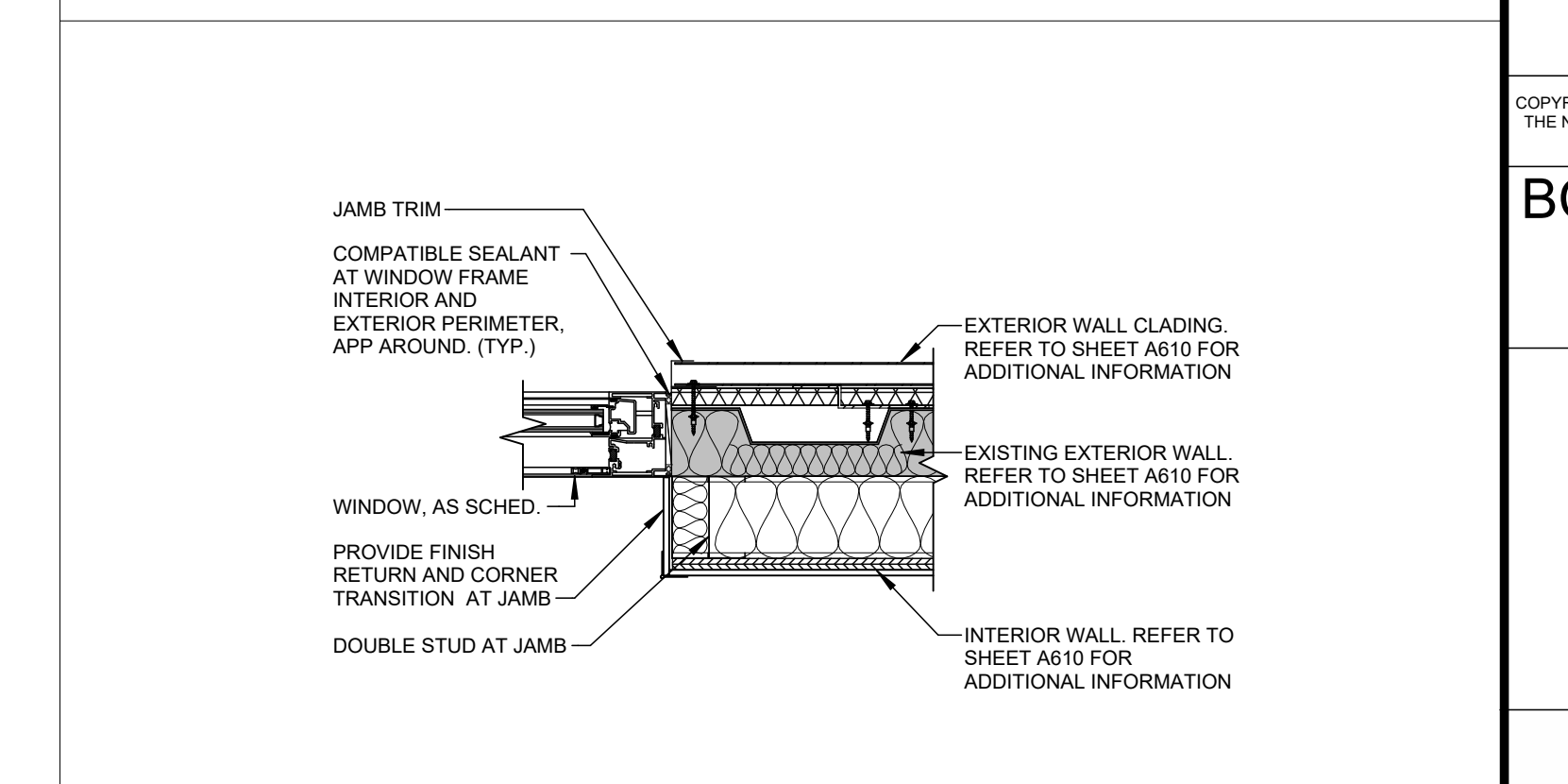
SHEET NUMBER **A800**

WINDOW SCHEDULE						
ROOM NUMBER	ROOM NAME	TYPE	WIDTH	HEIGHT	SILL HEIGHT	REMARKS
105	WELDING CLASSROOM	W1	5'-0"	4'-0"	2'-11 1/4"	
106	HEAVY EQUIPMENT CLASSROOM	W1	5'-0"	4'-0"	2'-11 1/4"	
108	HEAVY EQUIPMENT LAB	W2	4'-1"	4'-2 3/4"	2'-11 1/4"	
108	HEAVY EQUIPMENT LAB	W2	4'-1"	4'-2 3/4"	2'-11 1/4"	
108	HEAVY EQUIPMENT LAB	W2	4'-1"	4'-2 3/4"	2'-11 1/4"	
108	HEAVY EQUIPMENT LAB	W2	4'-1"	4'-2 3/4"	2'-11 1/4"	
108	HEAVY EQUIPMENT LAB	W2	4'-1"	4'-2 3/4"	2'-11 1/4"	

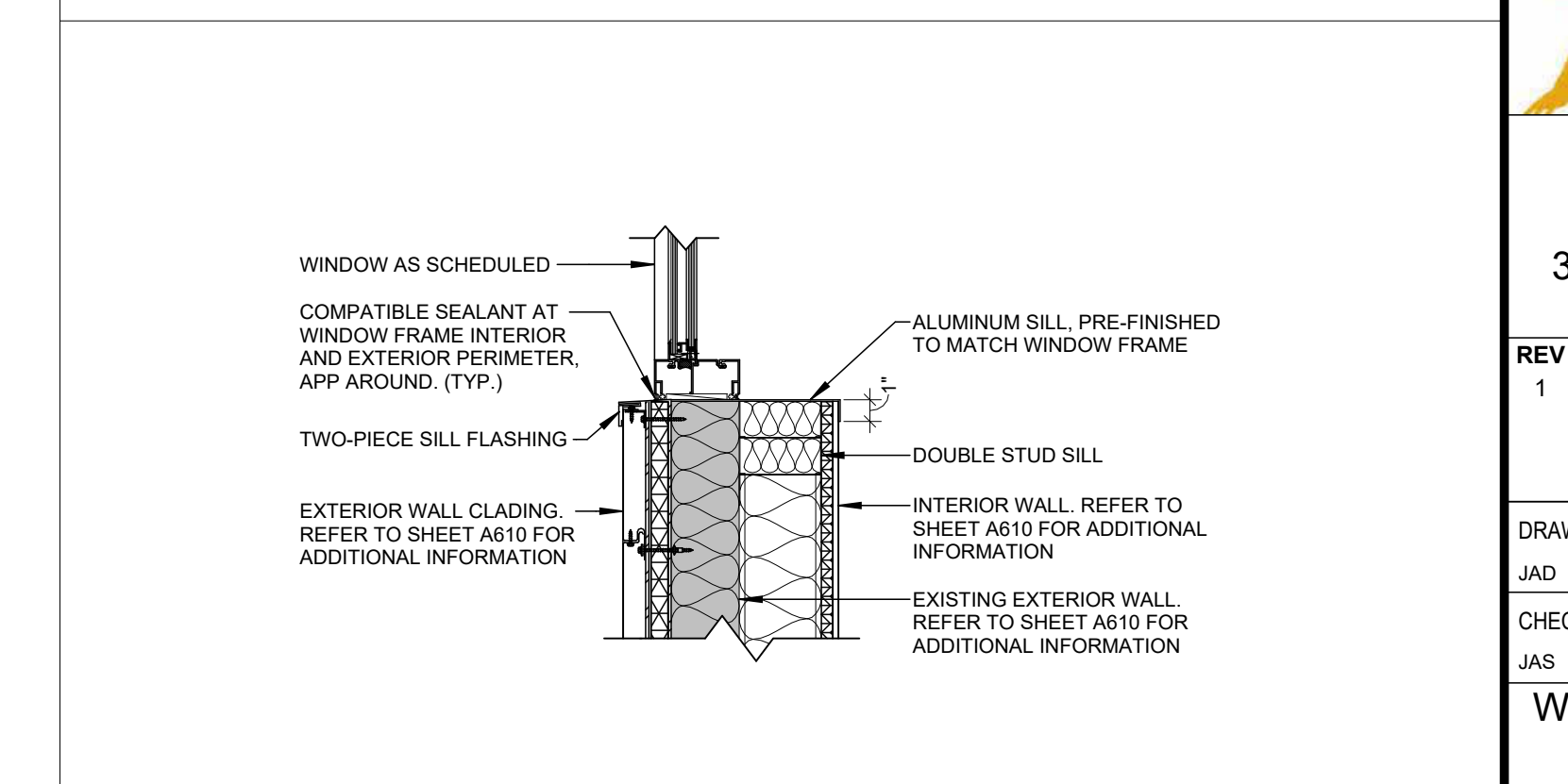
- WINDOW SCHEDULE NOTES:**
- VERIFY EXISTING ROUGH OPENING DIMENSIONS AND INSTALLATION REQUIREMENTS PRIOR TO FABRICATION.
 - PROVIDE WINDOW SHADE ASSEMBLY AS SPECIFIED. REFER TO 1/A800 FOR LOCATIONS.



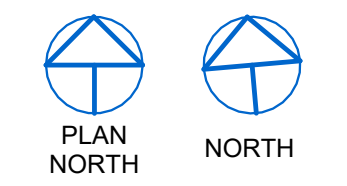
1 WINDOW HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



2 WINDOW JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



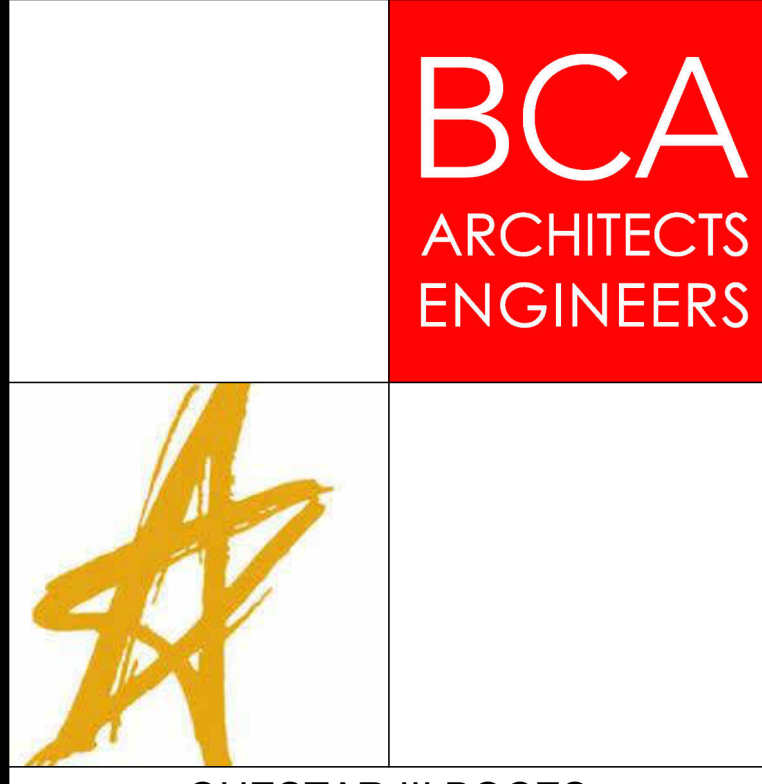
3 WINDOW SILL DETAIL
SCALE: 1 1/2" = 1'-0"



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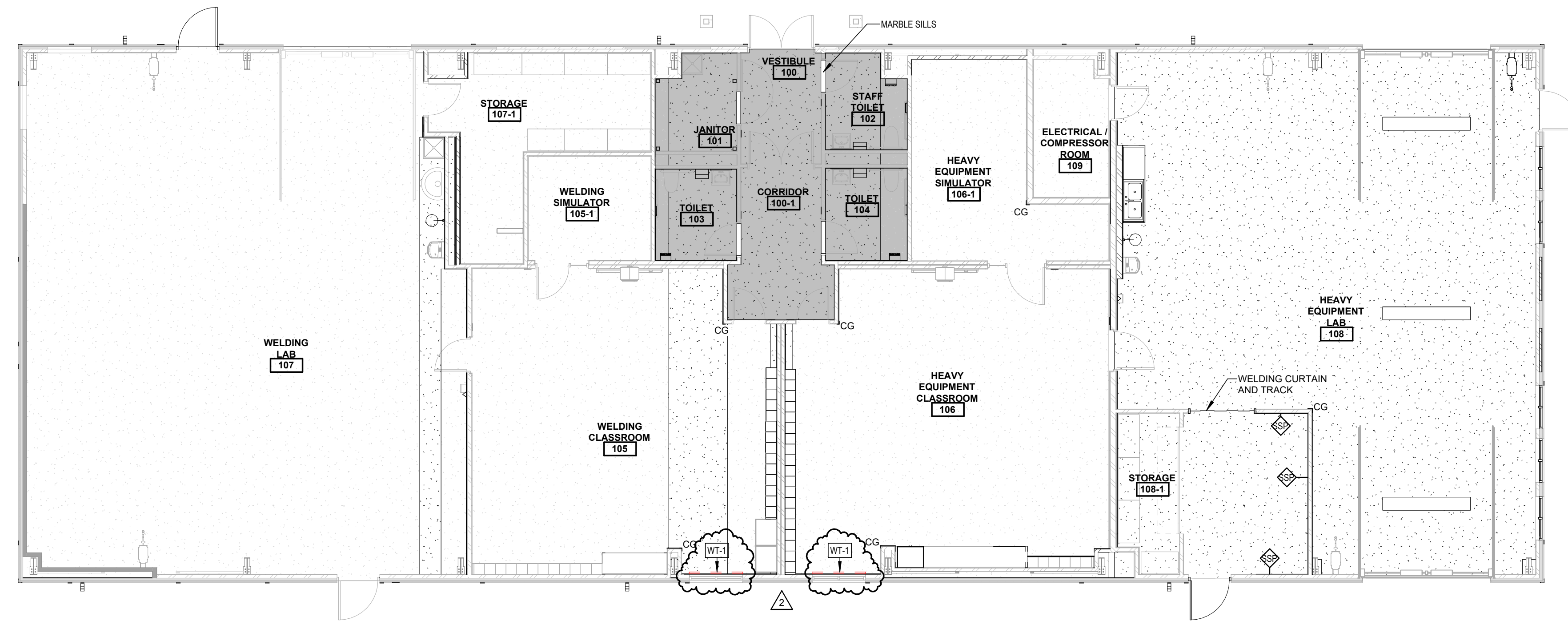
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CHECKED BY JAS	DATE 03/08/2024

WINDOW SCHEDULE, ELEVATIONS AND DETAILS

SHEET NUMBER
A801

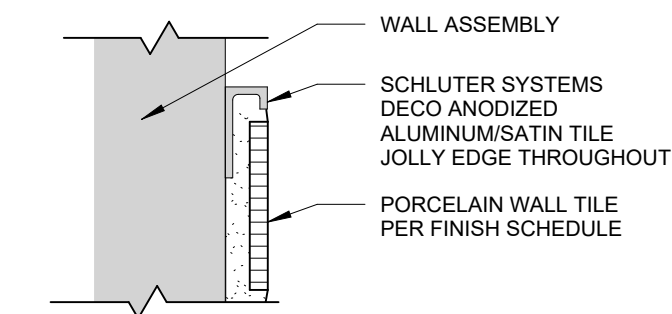


1 FIRST FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

No.	ROOM NAME	FLOORS		WALLS			CEILINGS		REMARKS
		FLOOR FINISH	FLOOR ACCENT	BASE	WALL FINISH	WALL ACCENT	CEILING FINISH	CEILING ACCENT	
100	VESTIBULE	EPF	-	RB-1	PNT-1	-	2X4 ACT CEILING SYSTEM	-	
100-1	CORRIDOR	EPF	-	RB-1	PNT-1	PNT-2	2X4 ACT CEILING SYSTEM	-	
101	JANITOR	EPF	-	RB-1	PRT-1, PRT-2	-	INSULATING BLANKET CEILING SYSTEM	-	PROVIDE PAINT FINISH FOR STEEL WATER TANK PLATFORM. AND USE SCHLUTER TRANSITIONS AS SPECIFIED
102	STAFF TOILET	EPF	-	-	PRT-1, PRT-2	-	GYP/ PNT-4	-	USE SCHLUTER TRANSITIONS AS SPECIFIED
103	TOILET	EPF	-	-	PRT-1, PRT-2	-	GYP/ PNT-4	-	USE SCHLUTER TRANSITIONS AS SPECIFIED
104	TOILET	EPF	-	-	PRT-1, PRT-2	-	GYP/ PNT-4	-	USE SCHLUTER TRANSITIONS AS SPECIFIED
105	WELDING CLASSROOM	CFS	-	RB-1	FRP/PNT-1	-	2X4 ACT CEILING SYSTEM	-	FRP ON ALL WALLS AT 8'-4"(SITS ABOVE WALL BASE); PAINT ABOVE
105-1	WELDING SIMULATOR	CFS	-	RB-1	FRP/PNT-1	-	2X4 ACT CEILING SYSTEM	-	FRP ON ALL WALLS AT 8'-4"(SITS ABOVE WALL BASE); PAINT ABOVE
106	HEAVY EQUIPMENT CLASSROOM	CFS	-	RB-1	FRP/PNT-1	-	2X4 ACT CEILING SYSTEM	-	FRP ON ALL WALLS AT 8'-4"(SITS ABOVE WALL BASE); PAINT ABOVE
106-1	HEAVY EQUIPMENT SIMULATOR	CFS	-	RB-1	FRP/PNT-1	-	2X4 ACT CEILING SYSTEM	-	FRP ON ALL WALLS AT 8'-4"(SITS ABOVE WALL BASE); PAINT ABOVE
107	WELDING LAB	CFS	-	RB-1	FRP/PNT-1	-	INSULATING BLANKET CEILING SYSTEM	-	FRP ON ALL WALLS AT 8'-4"(SITS ABOVE WALL BASE); PAINT ABOVE
107-1	STORAGE	CFS	-	RB-1	FRP/PNT-1	-	2X4 ACT CEILING SYSTEM	-	FRP ON ALL WALLS AT 8'-4"(SITS ABOVE WALL BASE); PAINT ABOVE
108	HEAVY EQUIPMENT LAB	CFS	-	RB-1	FRP/PNT-1	-	INSULATING BLANKET CEILING SYSTEM	-	FRP ON ALL WALLS AT 8'-4"(SITS ABOVE WALL BASE); PAINT ABOVE
108-1	STORAGE	CFS	-	RB-1	SSP/PNT-1	-	INSULATING BLANKET CEILING SYSTEM	-	SSP-8'-4" HIGH ON NORTH, EAST AND SOUTH WALLS. FRP ON BALANCE
108-2	HEAVY EQUIPMENT LAB	CFS	-	RB-1	FRP/PNT-1	-	INSULATING BLANKET CEILING SYSTEM	-	
109	ELECTRICAL / COMPRESSOR ROOM	CFS	-	RB-1	FRP/PNT-1	-	INSULATING BLANKET CEILING SYSTEM	-	

NOTE: PROVIDE SEALER ON EXTERIOR CONCRETE SLABS ADJACENT TO THE BUILDING.

ABBREVIATION LIST	
ACT-	ACOUSTICAL CEILING TILE
CFS-	CONCRETE FLOOR SEALER
FRP-	FIBERGLASS REINFORCED PLASTIC PANEL
GYP-	GYP/ PNT-4
EPF-	FUILD-APPLIED EPOXY FLOORING
PNT-	PAINT
PRT-	PORCELAIN TILE
SSP-	STAINLESS STEEL PANEL
RB-	RUBBER BASE
CG-	CORNER GUARD



2 SCHLUTER CAP AT WALL TILE
SCALE: 3" = 1'-0"

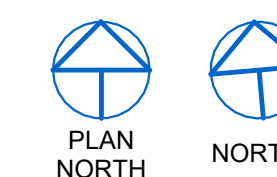
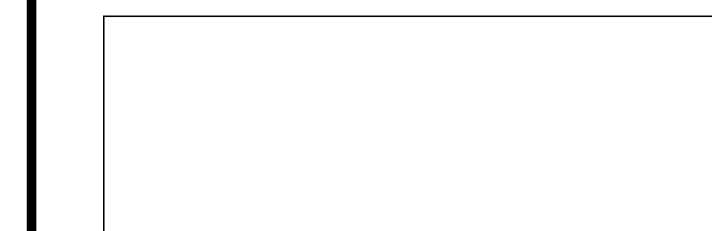
FLOOR FINISH KEY

- EXISTING CONCRETE SLAB WITH SEALER
- NEW CONCRETE SLAB WITH SEALER
- FUILD-APPLIED EPOXY FLOORING

WINDOW TREATMENT LEGEND

- WINDOW SHADES
- WT-1: BLACK-OUT SHADES
- NOTES LOCATION OF WINDOW SHADE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

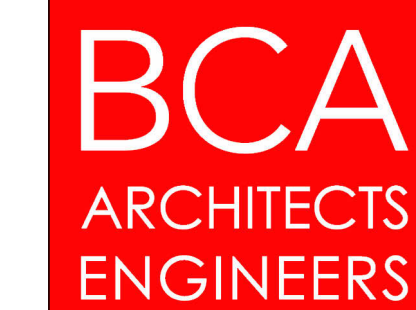
KEY PLAN:



SED NO. 49-50-00-00-0-039-003

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QUESTAR III BOCES
WAREHOUSE CONVERSION
35 COLLEEN RD, TROY, NY 12180
TROY - RENSSELAER COUNTY - NEW YORK

REV	DATE	DESCRIPTION
1	04/01/2024	BID ADDENDUM NO. 1
2	04/05/2024	BID ADDENDUM NO. 2

DRAWN BY JAD	PROJECT NUMBER 2023-038
CHECKED BY JAS	DATE 03/08/2024

FINISH PLAN

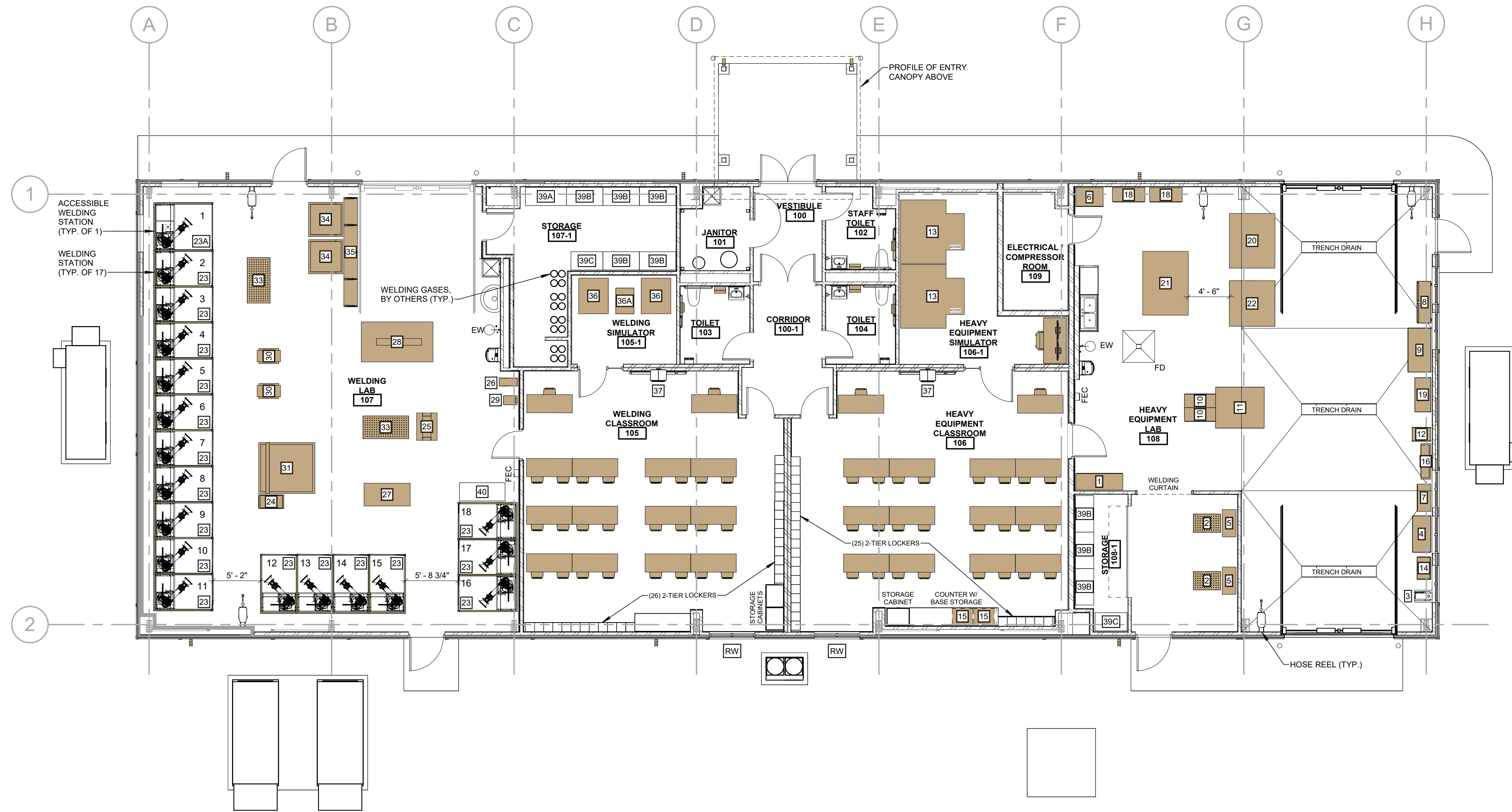
SHEET NUMBER

A900

EQUIPMENT SCHEDULE			
EQUIP. #	ITEM DESCRIPTION	QUANTITY	STATUS
1	DOUBLE DOOR TALL CABINET - (5'-2" x 1'-10" x 7'-0")	1	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
2	WELDING TABLE - (3'-0" x 2'-0" x 6'-3")	2	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
3	DRILL PRESS	1	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
4	GREEN SHELF - (4'-0" x 2'-0" x 6'-3")	1	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
5	WELDERS - (1'-6" x 3'-0" x 4'-0")	2	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
6	BLUE CABINET - (3'-0" x 2'-1" x 7'-1")	1	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
7	BEIGE CABINET - (3'-0" x 1'-6" x 6'-6")	1	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
8	ORANGE TOOLBOX - (4'-7" x 1'-6" x 6'-6")	1	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
9	WIDE BLACK SNAP-ON TOOLBOX - (4'-10" x 2'-6" x 3'-10")	1	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
10	BLACK SNAP-ON TOOLBOX - (3'-5" x 1'-6" x 3'-10")	2	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
11	TOOL BENCH - (5'-4" x 4'-6" x 2'-8")	2	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
12	BLACK CART - (2'-0" x 1'-6" x 3'-2")	1	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
13	SIMULATOR-VORTEX - (7'-0" x 7'-0" x 7'-0")	2	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
14	GREY SHELVING - (2'-6" x 1'-6" x 4'-6")	1	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
15	WOOD CABINETS W/ HEADSETS/RADIOS - (2'-3" x 1'-9" x 3'-1")	2	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
16	BIG WOOD CABINETS - (3'-11" x 1'-1" x 6'-1")	1	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
18	YELLOW CABINET - (3'-7" x 1'-7" x 5'-6")	2	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
19	YELLOW TABLE/TOOLBOX - (3'-8 1/2" x 1'-9" x 2'-11")	1	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
20	POWER WASHER - (5'-0" x 6'-0")	1	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
21	ENGINE BLOCK - CDTA - (7'-0" x 5'-0")	1	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
22	ENGINE BLOCK - (5'-0" x 5'-0")	1	EXISTING TO BE RELOCATED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
23	WELDING STATIONS - (4'-0" x 6'-0") - SEE NOTE 3	17	PROVIDED/INSTALLED BY G.C.
23A	WELDING STATION - ACCESSIBLE - (6'-0" x 6'-0") - SEE NOTE 3	1	PROVIDED/INSTALLED BY G.C.
24	PLASMA CUTTER - K1581-1 (LINCOLN) W/ CART - (4'-4" x 16 1/2" x 30")	1	PROVIDED AND UNLOADED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
25	SHOP PRESS, 20 TON (CAROLINA) - (24" x 32" x 66")	1	PROVIDED AND UNLOADED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
26	ARBOR PRESS & VICE W/ STAND (GREENER) - (11" x 24" x 57")	1	PROVIDED AND UNLOADED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
27	HYDRAULIC SHEAR (SCOTCHMAN) - (61" x 30" x 64 1/2")	1	PROVIDED AND UNLOADED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
28	VERTICAL BAND SAW (MARVEL) - (52 1/2" x 94 1/2" x 84 1/2")	1	PROVIDED AND UNLOADED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
29	DRILL PRESS 400H52 (DAYTON) - (18" x 12" x 64")	1	PROVIDED AND UNLOADED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
30	GRINDER/BUFFER WHEELS 1215W (BALDOR) - (31" x 15" x 48")	2	PROVIDED AND UNLOADED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
31	PLASMA CUTTING TABLE (LINCOLN) - (474" x 67" x 63")	1	PROVIDED AND UNLOADED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
33	WELD PLATEN STAND (WELDSALE) - (30" x 60" x 30")	2	PROVIDED AND UNLOADED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
34	MATERIAL STORAGE BINS - (45" x 45" x 45")	2	PROVIDED AND UNLOADED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
35	PIPE AND STEEL STORAGE RACK - (12'-0" x 1'-6" x 5'-0")	1	PROVIDED AND UNLOADED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
36	WELDING SIMULATOR STAND (LINCOLN VRTEX) - (39" x 47" x 80")	2	PROVIDED AND UNLOADED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
36A	WELDING SIMULATOR MACHINE (LINCOLN VRTEX) - (20" x 34" x 28")	1	PROVIDED AND UNLOADED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
37	SMARTBOARD MX 86" (SBID-MX286-V4)	2	PROVIDED AND UNLOADED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
38	WELDERS (FOR STATIONS) K2618-1 (LINCOLN) - (49 7/8" x 28" x 41"D)	18	PROVIDED AND UNLOADED BY OWNER. G.C. TO DISTRIBUTE AND INSTALL.
39A	STORAGE RACK SHELVING - 64" W x 24" D - SEE SPECIFICATION 10 5613	1	PROVIDED/INSTALLED BY G.C.
39B	STORAGE RACK SHELVING - 48" W x 24" D - SEE SPECIFICATION 10 5613	8	PROVIDED/INSTALLED BY G.C.
39C	STORAGE RACK SHELVING - 42" W x 24" D - SEE SPECIFICATION 10 5613	2	PROVIDED/INSTALLED BY G.C.
40	BIN STORAGE UNIT - 60" W x 24" D x 78" H - SEE SPECIFICATION 10 5613	1	PROVIDED/INSTALLED BY G.C.

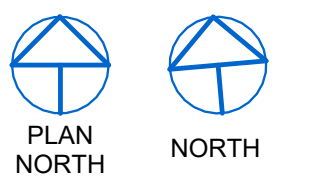
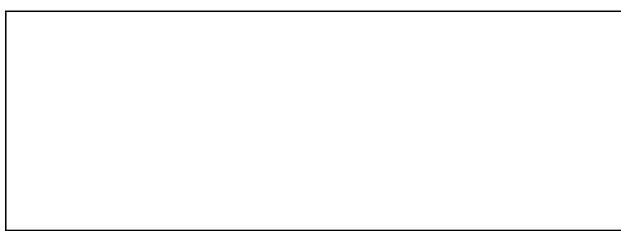
NOTES:

- ALL METAL CASEWORK, COUNTERTOPS AND METAL LOCKERS TO BE PROVIDED AND INSTALLED BY G.C.
- ALL LOOSE FURNITURE SHOWN ON PLAN IN ROOMS 105, 106 AND 106-1, INCLUDING STUDENT TABLES, SEATING AND INSTRUCTOR'S DESKS, TO BE FURNISHED AND INSTALLED BY OWNER.
- ITEM #23 - WELDING STATIONS**
BASIS OF DESIGN:
PROJECT 3358RPE - BCA ARCHITECTS
ABSOLENT INC.
6541 MERIDIEN DRIVE, UNIT 125
RALEIGH, NC 27616
WWW.ABSOLENT.COM
(919) 570-2862, INFO@ABSOLENT.COM
ATTN: BRENNNA BOST
WELDING STATIONS MUST BE EQUAL TO BASIS OF DESIGN. DEVIATIONS NOT PERMITTED.



1 EQUIPMENT & FURNITURE LAYOUT PLAN
SCALE: 1/8" = 1'-0"

KEY PLAN:



SED NO. 49-50-00-00-0-039-003

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EQUIPMENT AND FURNITURE LAYOUT PLAN & SCHEDULES

SHEET NUMBER
A902

