

**DOCUMENT 00 90 00**  
**ADDENDUM**

**ADDENDUM NO. [1]**                      **Date: December 22, 2021**

**RE:                      SCHOOL DISTRICT OF ABBOTSFORD**  
**ABBOTSFORD SCHOOL DISTRICT FEMA ADDITION**  
**510 WEST HEMLOCK STREET**  
**ABBOTSFORD, WISCONSIN 54405**  
**HSR PROJECT NO. 21027**

**FROM:**                HSR Associates, Inc.  
                             100 Milwaukee Street  
                             La Crosse, WI 54603  
                             (608) 784-1830

**To:**                Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated December 2021. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of [4] pages, [1] Pre-bid Meeting Sign-in, [1] Ad for Bids document, [1] Specification Section and [33] 30 x 42 drawings.

**DOCUMENTS:**

1. Pre-bid meeting sign in sheet.

**CHANGES TO BIDDING REQUIREMENTS AND CONDITIONS OF THE CONTRACT:**

2. Document 00 11 13 Advertisement for Bids revised document attached.
  - a. Clarified the location of the public bid opening

**SPECIFICATION SECTION:**

1. Section 08 80 00 Glazing revised document attached.
  - a. Added interior safety glazing, GLT-8.

**CHANGES TO DRAWINGS:**

2. Sheet A000 COVER SHEET revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Revised sheet number from E603 to E602.
  - c. Revised title of sheet A212.
3. Sheet C1.0 DEMOLITION PLAN revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Added curb and paving cuts.



4. Sheet C2.0 LAYOUT PLAN revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Added curb cuts, ramp and associated notes.
5. Sheet C3.0 GRADING PLAN revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Revised curb cutouts.
6. Sheet C5.0 UTILITY PLAN revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Revised curb cutout and paving at utility.
7. Sheet C6.1 CONSTRUCTION DETAILS revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Added detail 8 for accessible curb ramp.
8. Sheet A101 FLOOR PLANS revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Added callouts for interior elevations.
9. Sheet A110 REFLECTED CEILING PLAN revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Revised masonry wall.
10. Sheet A120 ROOF PLAN revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Removed Key Note #10 regarding painting gas piping.
  - c. Added mechanical equipment curbs. See Key Note #12 & #17.
11. Sheet A200 EXTERIOR ELEVATIONS revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Added cast stone lintels.
  - c. Changed callout locations for Key Note #19 regarding painting gas pipe in some views.
12. Sheet A210 INTERIOR ELEVATIONS revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Replaced tack-able wall coverings with tack-able visual display boards
13. Sheet A211 INTERIOR ELEVATIONS revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Removed Interior Elevations 14, 15, 16, & 17 from sheet.
14. Sheet A212 INTERIOR ELEVATIONS CASEWORK revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Added Interior Elevations.
15. Sheet A300 SECTIONS revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Changed callout locations for Key Note #11 regarding painting gas piping.
16. Sheet A400 ENLARGED PLANS revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Added callouts for interior elevations.



17. Sheet A500 DETAILS revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Revised door head detail #8 to show a cast stone lintel.
18. Sheet A501 DETAILS revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Revised window head detail #9 to show a cast stone lintel.
19. Sheet A502 DETAILS revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Revised details 8, 12 & 20 to show bent plate perimeter angle at roof.
20. Sheet A601 DOOR SCHEDULE, FRAME TYPES revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Revised glazing type to include interior security glazing in the project.
21. Sheet ID101 FINISH FLOOR PLAN revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Replaced tack-able wall coverings with tack-able visual display boards, except at display case. See Key Note #7.
  - c. Added callouts for interior elevations.
22. Sheet ID600 MASTER COLOR SCHEDULE revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Replaced some tack-able wall coverings with tack-able visual display boards.
23. Sheet S101 FOUNDATION PLAN revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Add section cut for 15a/S800 on north half of east wall of gym
  - c. Add section cut for 15b/S800 on south half of east wall of gym, and show wider foundation wall
24. Sheet S111 LOW ROOF FRAMING PLAN revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Revise Floor Framing Plan Key Notes 1 and 2
  - c. Add truss bearing elevation notes to 1/S111
  - d. Add non-loadbearing CMU walls to 1/S111 with detail cuts for required bracing
  - e. Revise B/Spandrel elevation marker in 3/S111
  - f. Revise Details 4 and 5/S111 to show bent plate at roof edge
  - g. Revise Detail 7/S111 to show deck angle at roof edge and infill framing for deck support
  - h. Add Detail 8/S111 for bracing of non-loadbearing CMU walls perpendicular to trusses
  - i. Add Detail 9/S111 for bracing of non-loadbearing CMU walls parallel to trusses
25. Sheet S111A LOW ROOF PLAN CONTRACTOR OPTION revised 30 x 42 sheet attached hereto.
  - a. Revisions clouded on Drawing.
  - b. Revise Floor Framing Plan Key Notes 1 and 2
  - c. Add Bottom of Spandrel elevation note at location clouded on plan
  - d. Add non-loadbearing CMU walls to 1/S111A with detail cuts for required bracing



- e. Revise Detail 5/S111A to show deck running over top of precast wall
- f. Revise Detail 7/S111A to show bearing plate for steel joists on CMU wall
- g. Add Detail 9/S111A for bracing of non-loadbearing CMU walls perpendicular to joists
- h. Add Detail 10/S111A for bracing of non-loadbearing CMU walls parallel to joists

26. Sheet S800 FOUNDATION DETAILS revised 30 x 42 sheet attached hereto.

- a. Revisions clouded on Drawing.
- b. Delete T/Slab elevation marker from Detail 8/S810

27. Sheet S810 FRAMING DETAILS revised 30 x 42 sheet attached hereto.

- a. Revisions clouded on Drawing.
- b. Revise elevation markers in Detail 8/S810
- c. Add notes to Details 25 and 26/S810 for infill around duct openings with non-loadbearing CMU

28. Sheet P001 PLUMBING GENERAL NOTES revised 30 x 42 sheet attached hereto.

- a. Revisions clouded on Drawing.

29. Sheet E090 FIRST FLOOR ELEC. DEMO PLAN revised 30 x 42 sheet attached hereto.

- a. Revisions clouded on Drawing.
- b. Added electrical site plan.

30. Sheet E100 FIRST FLOOR POWER PLAN revised 30 x 42 sheet attached hereto.

- a. Revisions clouded on Drawing.
- b. Added master control panel for powered window shutters and relocated pushbutton controls.

31. Sheet E200 FIRST FLOOR LIGHTING PLAN revised 30 x 42 sheet attached hereto.

- a. Revisions clouded on Drawing.
- b. Added relay switches to control corridor lighting.

32. Sheet E201 MEZZANINE LIGHTING PLAN revised 30 x 42 sheet attached hereto.

- a. Revisions clouded on Drawing.
- b. Relocated vacancy sensors and changed to wall type.

33. Sheet E600 ELECTRIC RISER DIAGRAM AND SCHEDULES revised 30 x 42 sheet attached hereto.

- a. Revisions clouded on Drawing.
- b. Added Details 2/E600 and 3/E600 for powered window shutter controls.

34. Sheet E602 ELECTRICAL SCHEDULES revised 30 x 42 sheet attached hereto.

- a. Revisions clouded on Drawing.
- b. Added control relays to low voltage lighting relay schedule.

**END OF DOCUMENT 00 90 00**



**PLEASE PRINT ALL INFORMATION CLEARLY**



ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN

## HSR Associates

Celebrating **65**  
100 Milwaukee Street  
La Crosse, WI 54603

**65 Years** of Innovative Design  
 Street 608.784.1830  
 603 [www.hsrassociates.com](http://www.hsrassociates.com)

[illegible]



**PLEASE PRINT ALL INFORMATION CLEARLY**



ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN

## HSR Associates

Celebrating **65**  
100 Milwaukee Street  
La Crosse, WI 54603

**65 Years** of Innovative Design  
 608.784.1830  
[www.hsrassociates.com](http://www.hsrassociates.com)

[illegible]



**SECTION 00 11 13**  
**ADVERTISEMENT FOR BIDS**

Sealed bids for the construction of:

SCHOOL DISTRICT OF ABBOTSFORD  
ABBOTSFORD SCHOOL DISTRICT FEMA ADDITION  
510 WEST HEMLOCK STREET  
ABBOTSFORD, WISCONSIN 54405

will be received by:

SCHOOL DISTRICT OF ABBOTSFORD  
510 WEST HEMLOCK STREET  
ABBOTSFORD, WISCONSIN 54405  
ATTENTION: Ryan Bargender - District Administrator

Addendum #1

until 2:00 pm, January 11, 2022, after which they will be opened publicly and read aloud. The public bid opening will be held in the District Community room. Access the community room via Door T. Bids received after the time set for receipt of bids will not be accepted.

In general, the Project consists of an addition to a K-12 school to add community rooms, classrooms, gym. The classrooms, toilet rooms and gym will be constructed as a FEMA storm shelter. Components used in the construction include cast in place concrete, precast concrete, block and brick masonry, cold formed metal framing, steel joists (alternate), metal deck, standing seam roof, EPDM roof, storefront and hollow metal openings, and coiling storm doors.  
INTERIOR COMPONENTS, DISCIPLINES

Lump-sum Bids will be received on a SINGLE PRIME CONSTRUCTION CONTRACT FOR THE ENTIRE WORK.

The Project Drawings, Project Manual and other Bidding Documents may be examined at the following locations:

AE's Office:               HSR ASSOCIATES, INC.  
100 Milwaukee Street  
La Crosse, WI 54603  
608-784-1830

Builder's Exchanges: La Crosse, WI  
Northwest Regional (Eau Claire/Chippewa Falls)  
Wausau, WI  
Builders Exchange of Wisconsin (Appleton)  
Duluth, MN  
Minneapolis, MN  
Rochester, MN



Builders Exchange of Michigan  
ConstructConnect  
Dodge Data & Analytics (West Allis, WI)

Electronic Bidding Documents will be available from HSR Associates, Inc. via Sharefile electronic distribution and will be distributed to the listed Builders Exchanges. Electronic versions of addenda will be distributed via the same systems.

Hardcopy Bidding Documents may be picked up at HSR Associates' office. Bidders may request shipment of hardcopies by sending a check made out to HSR Associates in the amount of \$15.00. The shipping fee will not be refunded and must be received prior to shipment.

HSR Associates is responsible for distribution of addenda only to those who have requested project documents from HSR in formats described above.

HSR Associates will make AutoCAD files available to the Contractor following award of contract.

HSR Associates maintains a plan holder list at [www.hsrassociates.com](http://www.hsrassociates.com). This list includes only those who have requested plans from HSR and those who have requested to be added to our list.

Bid Security in the amount of five percent of the maximum amount of the Bid must accompany each Bid as described in the Project Manual, Instructions to Bidders.

The Owner reserves the right to waive irregularities and to reject any or all Bids. Bids may only be withdrawn in accordance with the Project Manual, Instructions to Bidders.

A pre-bid meeting will be conducted by the Owner and Architect/Engineer to answer questions and to enable bidders to examine conditions at the Project Site. Pre-Bid meeting will occur at 10:00 am December 21, 2021 at the project address.

By: Ryan Bargender  
Title: District Administrator

Publish Date: Weeks of December 13 and December 20.  
Publish in Tribune-Phonograph

**END OF DOCUMENT 00 11 13**



**SECTION 08 80 00**  
**GLAZING**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

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

**1.02 RELATED REQUIREMENTS**

- A. Applicable provisions of Division 1 shall govern the work of this section.
- B. Section 07 92 00 - Joint Sealants: Sealants for other than glazing purposes.
- C. Section 08 11 13 - Hollow Metal Doors and Frames: Glazed lites in doors and borrowed lites.
- D. Section 08 43 13 - Aluminum-Framed Storefronts: Glazing provided as part of storefront assembly.

**1.03 REFERENCE STANDARDS**

- A. 16 CFR 1201 - Safety Standard for Architectural Glazing Materials; current edition.
- B. ANSI Z97.1 - American National Standard for Safety Glazing Materials Used in Buildings - Safety Performance Specifications and Methods of Test; 2015 (Reaffirmed 2020).
- C. ASCE 7 - Minimum Design Loads for Buildings and Other Structures; 2010, with 2013 Supplements and Errata.
- D. ASTM C1036 - Standard Specification for Flat Glass; 2011.
- E. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2012.
- F. ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass; 2014.
- G. ASTM C1193 - Standard Guide for Use of Joint Sealants; 2016.
- H. ASTM C1376 - Standard Specification for Pyrolytic and Vacuum Deposition Coatings on Flat Glass; 2021a.
- I. ASTM E1300 - Standard Practice for Determining Load Resistance of Glass in Buildings; 2016.
- J. ASTM E2190 - Standard Specification for Insulating Glass Unit Performance and Evaluation; 2010.
- K. GANA (GM) - GANA Glazing Manual; 2009.
- L. GANA (SM) - GANA Sealant Manual; 2008.
- M. GANA (LGRM) - Laminated Glazing Reference Manual; 2009.
- N. IGMA TM-3000 - North American Glazing Guidelines for Sealed Insulating Glass Units for Commercial & Residential Use; 1990 (2004).
- O. NFRC 100 - Procedure for Determining Fenestration Product U-factors; 2017.
- P. NFRC 200 - Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence; 2014, with Errata (2017).
- Q. NFRC 300 - Test Method for Determining the Solar Optical Properties of Glazing Materials and Systems; 2017.

**1.04 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data on Insulating Glass Unit and Glazing Unit Glazing Types: Provide structural, physical and environmental characteristics, size limitations, special handling and installation requirements.



- C. Product Data on Glazing Compounds and Accessories: Provide chemical, functional, and environmental characteristics, limitations, special application requirements. Identify available colors. Coordinate the following information with product in Section 08 43 13 and 08 44 13; unit u-value, center of glass u-value and solar heat gain coefficient.
- D. Warranty Documentation: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

### **1.05 QUALITY ASSURANCE**

- A. Perform Work in accordance with GANA (GM), GANA (SM), and IGMA TM-3000 for glazing installation methods. Maintain one copy on site.
- B. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years documented experience.

### **1.06 FIELD CONDITIONS**

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

### **1.07 WARRANTY**

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Insulating Glass Units: Provide a ten (10) year manufacturer warranty to include coverage for seal failure, interpane dusting or misting, including replacement of failed units.

## **PART 2 PRODUCTS**

### **2.01 MANUFACTURERS**

- A. Float Glass Manufacturers:
  - 1. AGC Glass Company North America, Inc: [www.us.agc.com](http://www.us.agc.com).
  - 2. Cardinal Glass Industries: [www.cardinalcorp.com](http://www.cardinalcorp.com).
  - 3. Guardian Industries Corp: [www.sunguardglass.com](http://www.sunguardglass.com).
  - 4. Oldcastle Glass: [www.oldcastleglass.com](http://www.oldcastleglass.com)
  - 5. Pilkington North America Inc: [www.pilkington.com/na](http://www.pilkington.com/na).
  - 6. PPG Industries, Inc: [www.ppgideascales.com](http://www.ppgideascales.com).

### **2.02 PERFORMANCE REQUIREMENTS - EXTERIOR GLAZING ASSEMBLIES**

- A. Provide type and thickness of exterior glazing assemblies to support assembly dead loads, and to withstand live loads caused by positive and negative wind pressure acting normal to plane of glass.
  - 1. Design Pressure: Calculated in accordance with ASCE 7.
  - 2. Comply with ASTM E1300 for design load resistance of glass type, thickness, dimensions, and maximum lateral deflection of supported glass.
  - 3. Provide glass edge support system sufficiently stiff to limit the lateral deflection of supported glass edges to less than 1/175 of their lengths under specified design load.
  - 4. Glass thicknesses listed are minimum.
- B. Weather-Resistive Barrier Seals: Provide completed assemblies that maintain continuity of building enclosure water-resistive barrier, vapor retarder, and/or air barrier.
  - 1. In conjunction with weather barrier related materials described in other sections, as follows:
    - a. Water-Resistive Barriers: See Section 07 25 00.
- C. Thermal and Optical Performance: Provide exterior glazing products with performance properties as indicated. Performance properties are in accordance with manufacturer's published data as determined with the following procedures and/or test methods:
  - 1. Center of Glass U-Value: Comply with NFRC 100 using Lawrence Berkeley National Laboratory (LBNL) WINDOW 6.3 computer program.



2. Center of Glass Solar Heat Gain Coefficient (SHGC): Comply with NFRC 200 using Lawrence Berkeley National Laboratory (LBNL) WINDOW 6.3 computer program.
3. Solar Optical Properties: Comply with NFRC 300 test method.

## **2.03 GLASS MATERIALS**

- A. Float Glass: Provide float glass based glazing unless otherwise indicated.
  1. Annealed Type: ASTM C1036, Type I - Transparent Flat, Class 1 - Clear, Quality - Q3.
  2. Kind HS - Heat-Strengthened Type: Complies with ASTM C1048.
  3. Kind FT - Fully Tempered Type: Complies with ASTM C1048.
  4. Fully Tempered Safety Glass: Complies with ANSI Z97.1 or 16 CFR 1201 criteria for safety glazing used in hazardous locations.
  5. Thicknesses: As indicated; provide greater thickness as required for exterior glazing wind load design.
- B. Laminated Glass: Float or Tempered glass laminated in accordance with ASTM C1172.
  1. Laminated Safety Glass: Complies with ANSI Z97.1 - Class B or 16 CFR 1201 - Category II impact test requirements.
  2. Polyvinyl Butyral (PVB) Interlayer: 0.030 inch thick, minimum.

## **2.04 INSULATING GLASS UNITS**

- A. Manufacturers:
  1. Glass: Any of the manufacturers specified for float glass.
  2. Fabricator certified by glass manufacturer for type of glass, coating, and treatment involved and capable of providing specified warranty.
  3. Substitutions: See Section 01 60 00 - Product Requirements.
- B. Insulating Glass Units: Types as indicated.
  1. Durability: Certified by an independent testing agency to comply with ASTM E2190.
  2. Coated Glass: Comply with requirements of ASTM C1376 for pyrolytic (hard-coat) or magnetic sputter vapor deposition (soft-coat) type coatings on flat glass; coated vision glass, Kind CV; coated overhead glass, Kind CO; or coated spandrel glass, Kind CS.
  3. Metal Edge Spacers: Aluminum, bent and soldered corners.
  4. Spacer Color: Aluminum.
  5. Edge Seal:
    - a. Dual-Sealed System: Provide polyisobutylene sealant as primary seal applied between spacer and glass panes, and silicone, polysulfide, or polyurethane sealant as secondary seal applied around perimeter.
  6. Color: Black.
  7. Purge interpane space with dry air, hermetically sealed.
- C. GLT13 Insulating Glass Units: Vision glass, double glazed. Safety Glazing.
  1. Applications: Ground floor windows away from doors and as scheduled.
  2. Space between lites filled with argon.
  3. Outboard Lite: Fully tempered float glass, 1/4 inch thick, minimum.
    - a. Tint: Clear.
  4. Inboard Lite: Fully tempered float glass, 1/4 inch thick, minimum.
    - a. Tint: Clear.
    - b. Low-E Coating, Basis of Design: PPG Solarban 60 on #2 surface.
  5. Total Thickness: 1 inch.
  6. Thermal Transmittance (U-Value), Summer - Center of Glass: 0.24, nominal.
  7. Visible Light Transmittance (VLT): 70 percent, nominal.
  8. Solar Heat Gain Coefficient (SHGC):.38, nominal.
  9. Glazing Method: Dry glazing method, gasket glazing.
- D. GLT-12 Insulating Glass Units: Security glazing.
  1. Applications:
    - a. Glazed lites in exterior doors.
    - b. Glazed sidelights and panels next to doors.



- c. Other locations required by applicable federal, state, and local codes and regulations.
- 2. Space between lites filled with argon.
- 3. Outboard Lite: Fully tempered float glass, 1/4 inch thick, minimum.
  - a. Tint: Clear.
- 4. Inboard Lite: Laminated float glass, 1/4 inch thick, minimum. 0.030 PVB layer.
  - a. Tint: Clear.
  - b. Low-E Coating, Basis of Design: PPG Solarban 60 on #2 surface.
- 5. Tint: Clear.
- 6. Total Thickness: 1 inch.
- 7. Thermal Transmittance (U-Value), Summer - Center of Glass: 0.24, nominal.
- 8. Visible Light Transmittance (VLT): 70 percent, nominal.
- 9. Solar Heat Gain Coefficient (SHGC): 0.38, nominal.

## 2.05 GLAZING UNITS

- A. GLT-4 - Monolithic Safety Glazing: Non-fire-rated.
  - 1. Applications:
    - a. Glazed lites in doors, except fire doors.
    - b. Glazed sidelights to doors, except in fire-rated walls and partitions.
    - c. Other locations required by applicable federal, state, and local codes and regulations.
    - d. Other locations indicated on drawings.
  - 2. Glass Type: Fully tempered safety glass as specified.
  - 3. Tint: Clear.
  - 4. Thickness: 1/4 inch, nominal.
- B. GLT 8 - Laminated Glass: Two layers 1/8 inch tempered glass laminated in accordance with ASTM C1172.
  - 1. Plastic Interlayer:
    - a. Polyvinyl Butyral (PVB) Interlayer: 0.030 inch thick, minimum.

Addendum #1

## PART 3 EXECUTION

### 3.01 VERIFICATION OF CONDITIONS

- A. Verify that openings for glazing are correctly sized and within tolerances, including those for size, squareness, and offsets at corners.
- B. Verify that surfaces of glazing channels or recesses are clean, free of obstructions that may impede moisture movement, weeps are clear, and support framing is ready to receive glazing system.

### 3.02 PREPARATION

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

### 3.03 INSTALLATION, GENERAL

- A. Install glazing in compliance with written instructions of glass, gaskets, and other glazing material manufacturers, unless more stringent requirements are indicated, including those in glazing referenced standards.
- B. Install glazing sealants in accordance with ASTM C1193, GANA (SM), and manufacturer's instructions.
- C. Do not exceed edge pressures around perimeter of glass lites as stipulated by glass manufacturer.
- D. Set glass lites of system with uniform pattern, draw, bow, and similar characteristics.
- E. Set glass lites in proper orientation so that coatings face exterior or interior as indicated.



- F. Prevent glass from contact with any contaminating substances that may be the result of construction operations such as, and not limited to the following; weld splatter, fire-safing, plastering, mortar droppings, etc.

#### **3.04 INSTALLATION - DRY GLAZING METHOD (GASKET GLAZING)**

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

#### **3.05 CLEANING**

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

#### **3.06 PROTECTION**

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

**END OF SECTION**



Page Intentionally Left Blank



ABBOTSFORD SCHOOL DISTRICT  
FEMA ADDITION  
510 WEST HEMLOCK STREET  
ABBOTSFORD, WISCONSIN

HSR #21027

DECEMBER 2021

BID DOCUMENTS



ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN

HSR ASSOCIATES INC.  
100 MILWAUKEE STREET  
LA CROSSE, WISCONSIN  
PHONE: 608.784.1830  
FAX: 608.782.5844  
www.hsrassociates.com

Consultant:

INDEX OF DRAWINGS

GENERAL	
A000	COVER SHEET
A001	ADA MOUNTING HEIGHTS
A002	LIFE SAFETY PLAN
A003	FEMA SAFE ROOM PLAN
A004	CONSTRUCTION SITE STAGING

CIVIL	
C1.0	DEMOLITION PLAN
C2.0	LAYOUT PLAN
C3.0	GRADING PLAN
C4.0	EROSION CONTROL PLAN
C5.0	UTILITY PLAN
C6.0	CONSTRUCTION DETAILS
C6.1	CONSTRUCTION DETAILS
L1.0	LANDSCAPE PLAN

ARCHITECTURAL	
A090	DEMOLITION PLAN
A100	OVERALL BUILDING PLAN
A101	FLOOR PLANS
A110	REFLECTED CEILING PLAN
A120	ROOF PLAN
A200	EXTERIOR ELEVATIONS
A210	INTERIOR ELEVATIONS
A211	INTERIOR ELEVATIONS
A212	INTERIOR ELEVATIONS, CASEWORK
A300	SECTIONS
A310	WALL SECTIONS
A311	WALL SECTIONS
A312	WALL SECTIONS
A400	ENLARGED PLANS
A500	DETAILS
A501	DETAILS
A502	DETAILS
A600	WALL TYPES
A601	DOOR SCHEDULE, FRAME TYPES

INTERIOR DESIGN	
ID101	FINISH FLOOR PLAN
ID600	MASTER COLOR SCHEDULE

STRUCTURAL	
S001	STRUCTURAL NOTES
S002	STRUCTURAL SCHEDULES
S101	FOUNDATION PLAN
S111	LOW ROOF FRAMING PLAN
S111A	LOW ROOF FRAMING PLAN CONTRACTOR OPTION
S121	HIGH ROOF FRAMING PLAN
S800	FOUNDATION DETAILS
S810	FRAMING DETAILS

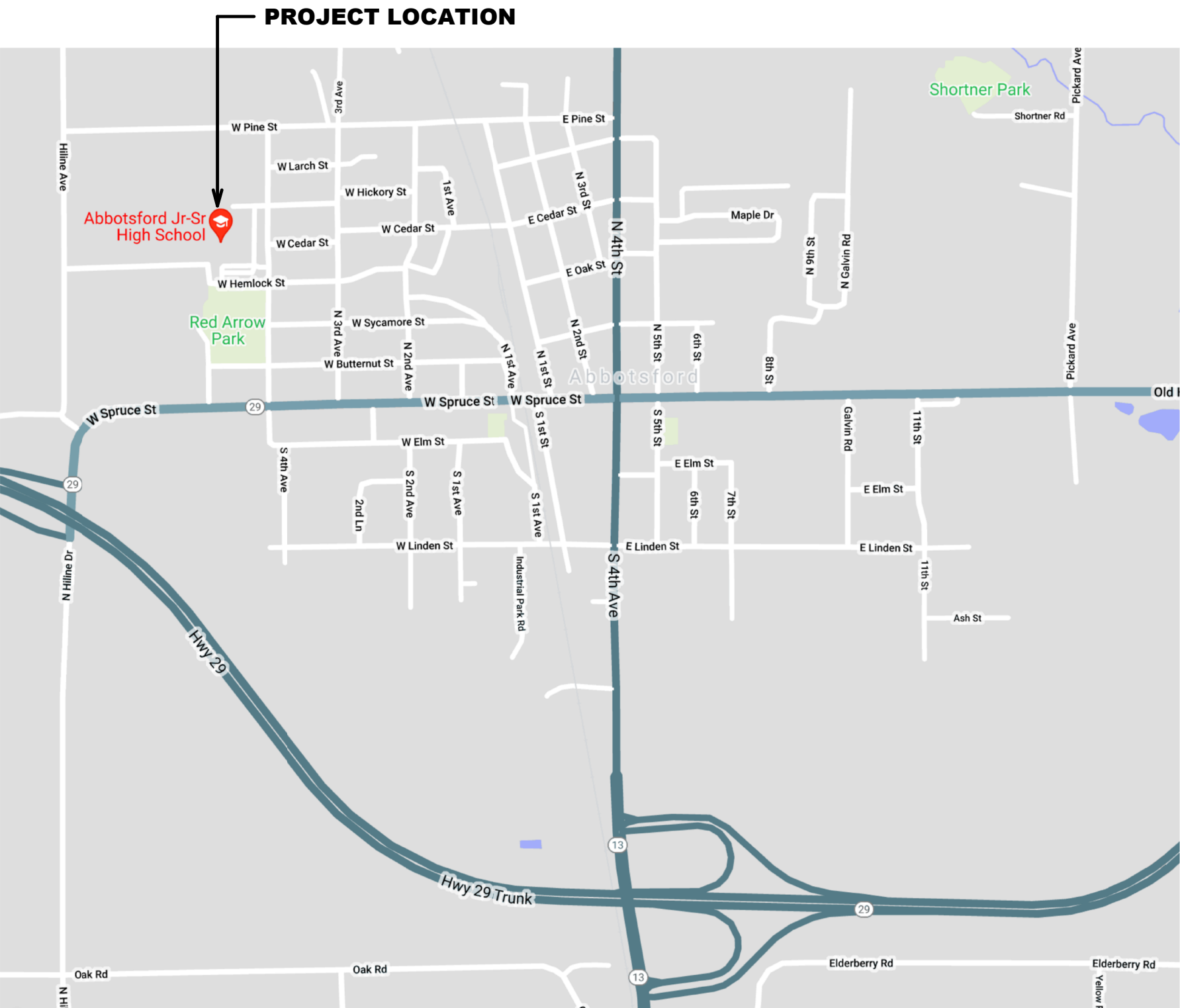
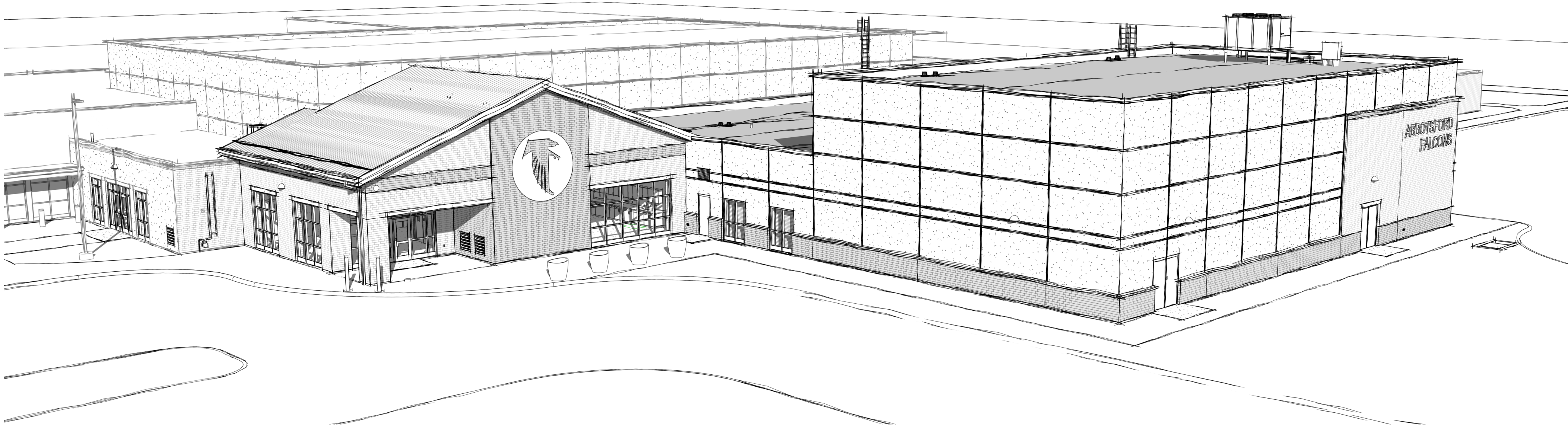
FIRE PROTECTION	
FP100	FIRE PROTECTION

PLUMBING	
P001	PLUMBING GENERAL NOTES
P100	UNDERFLOOR PLAN
P101	FLOOR PLAN
P200	DWV RISER DIAGRAMS AND DETAILS
P201	WATER RISER DIAGRAMS AND DETAILS
P202	STORM ISOMETRIC

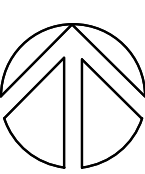
MECHANICAL	
M001	HVAC GENERAL INFO SHEET
M090	FIRST FLOOR REMOVAL PLAN
M100	FIRST FLOOR REMODEL PLAN
M101	UPPER FLOOR REMODEL PLAN
M200	ENLARGED UPPER LEVEL PLAN
M300	HVAC SECTIONS
M400	HVAC SCHEMATICS
M401	CONTROL SCHEMATICS
M402	AHU-1 DETAILS
M500	HVAC DETAILS
M501	HVAC DETAILS
M502	HVAC DETAILS
M600	HVAC SCHEDULES
M601	HVAC SCHEDULES

ELECTRICAL	
E090	FIRST FLOOR ELEC. DEMO PLAN
E100	FIRST FLOOR POWER PLAN
E101	MEZZANINE POWER PLAN
E200	FIRST FLOOR LIGHTING PLAN
E201	MEZZANINE LIGHTING PLAN
E600	ELECTRIC RISER DIAGRAM AND SCHEDULES
E601	SCHEDULES AND DETAILS
E602	ELECTRICAL SCHEDULES

PROJECT TEAM	
PROJECT ARCHITECT:	HSR ASSOCIATES, INC. TIM RUPPERT truppert@hsrassociates.com 608.784.1830
JOB CAPTAIN:	HSR ASSOCIATES, INC. TRENT SCHOTT tschott@hsrassociates.com 608.784.1830
SPECIFICATIONS:	HSR ASSOCIATES, INC. TOBIN FAUCHEUX tfauchaux@hsrassociates.com 608.784.1830
INTERIOR DESIGNER:	HSR ASSOCIATES, INC. SARAH BRAATZ sbraatz@hsrassociates.com 608.784.1830
CIVIL ENGINEER:	POINT OF BEGINNING, INC. JIM LUNDBERG, P.E. jiml@pobinc.com 715.344.9999
STRUCTURAL ENGINEER:	RA SMITH DAVID BOLDT, P.E. david.boldt@rasmith.com 608.421.5314
PLUMBING DESIGNER:	HSR ASSOCIATES, INC. RYAN JOHNSON rjohnson@hsrassociates.com 608.784.1830
MECHANICAL ENGINEER:	HSR ASSOCIATES, INC. JAKE BERAN, P.E. jberan@hsrassociates.com 608.784.1830
ELECTRICAL DESIGNER:	HSR ASSOCIATES, INC. SCOTT GERZSIK sgerzsi@hsrassociates.com 608.784.1830



ABBOTSFORD MAP  
SITE LOCATION MAP



ABBOTSFORD SCHOOL DISTRICT  
FEMA ADDITION  
510 WEST HEMLOCK STREET  
ABBOTSFORD, WISCONSIN  
COVER SHEET

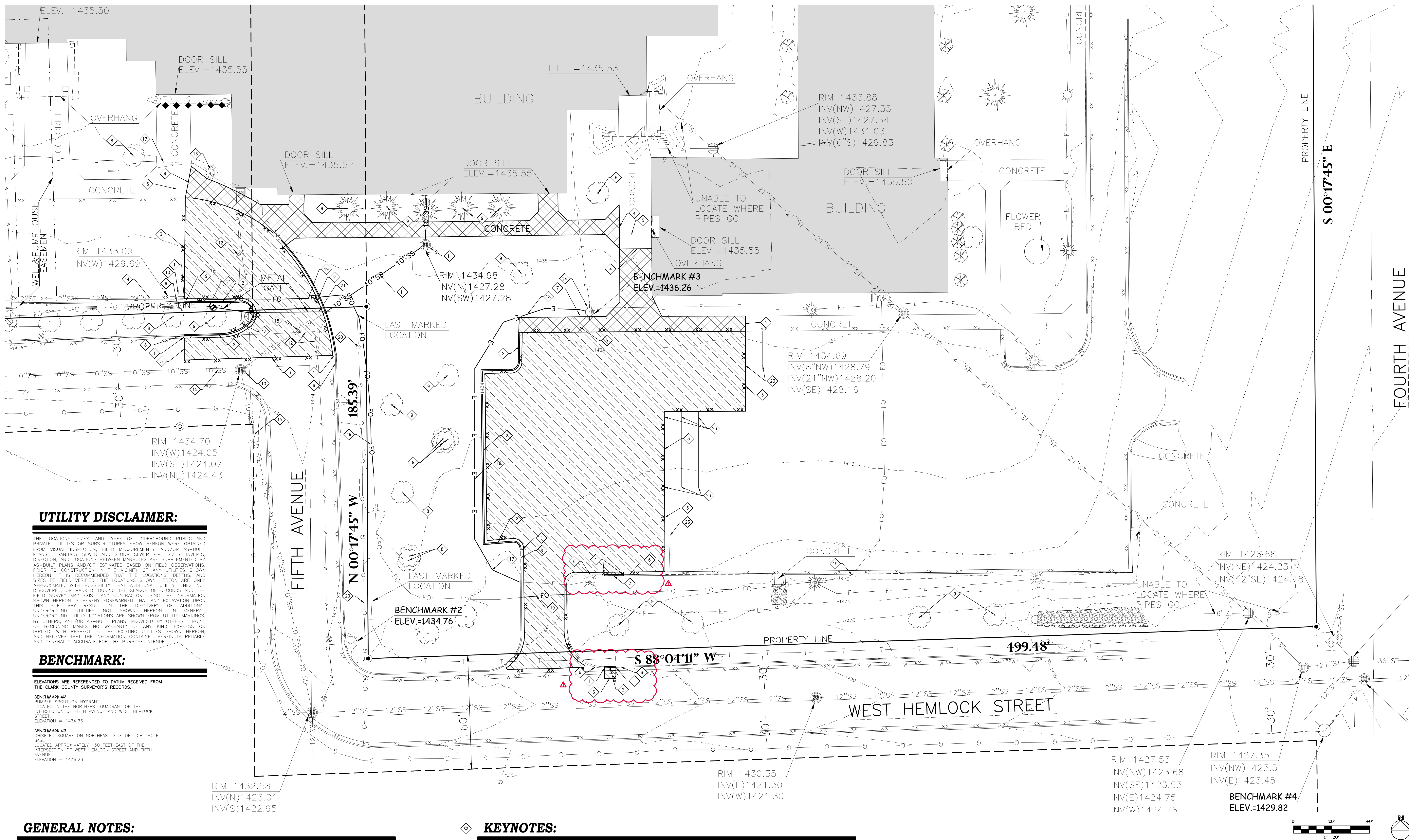
Project Title:  
HSR Project Number:  
21027  
Project Date:  
DECEMBER 2021  
Drawn By:  
HSR  
Key Plan:

BID DOCUMENTS

Revisions:		
No.	Description	Date
A1	ADDENDUM 1	12.22.2021
Graphic Scale:		
VARIES		
Last Update:		
12/22/2021 10:51:17 AM		

A000





### UTILITY DISCLAIMER:

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOWN HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED OR MARKED DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS. BY OTHERS, AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

### BENCHMARK:

ELEVATIONS ARE REFERENCED TO DATUM RECEIVED FROM THE CLARK COUNTY SURVEYOR'S RECORDS.

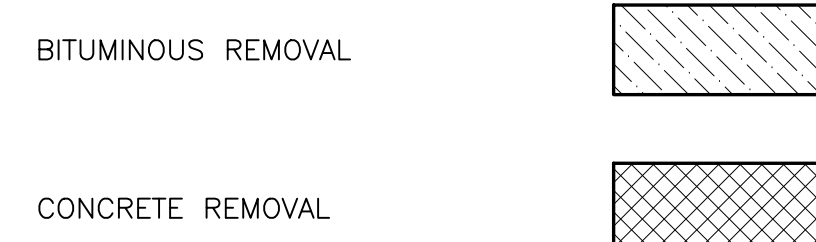
**BENCHMARK #2**  
PUMPER SPOUT ON HYDRANT  
LOCATED IN THE NORTHEAST QUADRANT OF THE  
INTERSECTION OF FIFTH AVENUE AND WEST HEMLOCK  
STREET.  
ELEVATION = 1434.76

**BENCHMARK #3**  
CHISELED SQUARE ON NORTHEAST SIDE OF LIGHT POLE  
BASE  
LOCATED APPROXIMATELY 150 FEET EAST OF THE  
INTERSECTION OF WEST HEMLOCK STREET AND FIFTH  
AVENUE.  
ELEVATION = 1436.26

### GENERAL NOTES:

- CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- ALL DEMOLITION MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER EXCEPT FOR THOSE ITEMS NOTED TO BE SALVAGED, WHICH SHOULD BE TURNED OVER TO THE OWNER.
- INSTALL AND MAINTAIN ALL REQUIRED EROSION CONTROL MEASURES FOR PERIMETER PROTECTION PRIOR TO THE START OF DEMOLITION/CONSTRUCTION, IN ACCORDANCE WITH THE LOCAL AND STATE GOVERNING AUTHORITIES.
- BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
- COORDINATE WITH THE OWNER AND LOCAL UTILITY COMPANIES TO LOCATE ANY EXISTING UTILITIES ON SITE PRIOR TO THE START OF WORK.
- ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED, AND/OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR AND INCLUDED IN THE BASE BID CONTRACT.
- STRIP TOPSOIL WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH THE PROJECT MANUAL SPECIFICATIONS.
- IF STRIPPED TOPSOIL IS STOCKPILED ON SITE, SILT FENCE SHALL BE INSTALLED AROUND THE BASE OF THE STOCKPILE TO PREVENT SEDIMENT TRANSPORT.
- PRIOR TO PERFORMING WORK WITHIN PUBLIC RIGHT OF WAYS, NOTIFY AND COORDINATE WORK WITH THE LOCAL MUNICIPALITY.
- MAINTAIN TRAFFIC CIRCULATION TO ALL RETAIL AND COMMERCIAL BUILDINGS SHOWN ON THIS DOCUMENT. COORDINATE ALL WORK WITH SAID BUSINESSES.

### DEMOLITION HATCH PATTERNS:



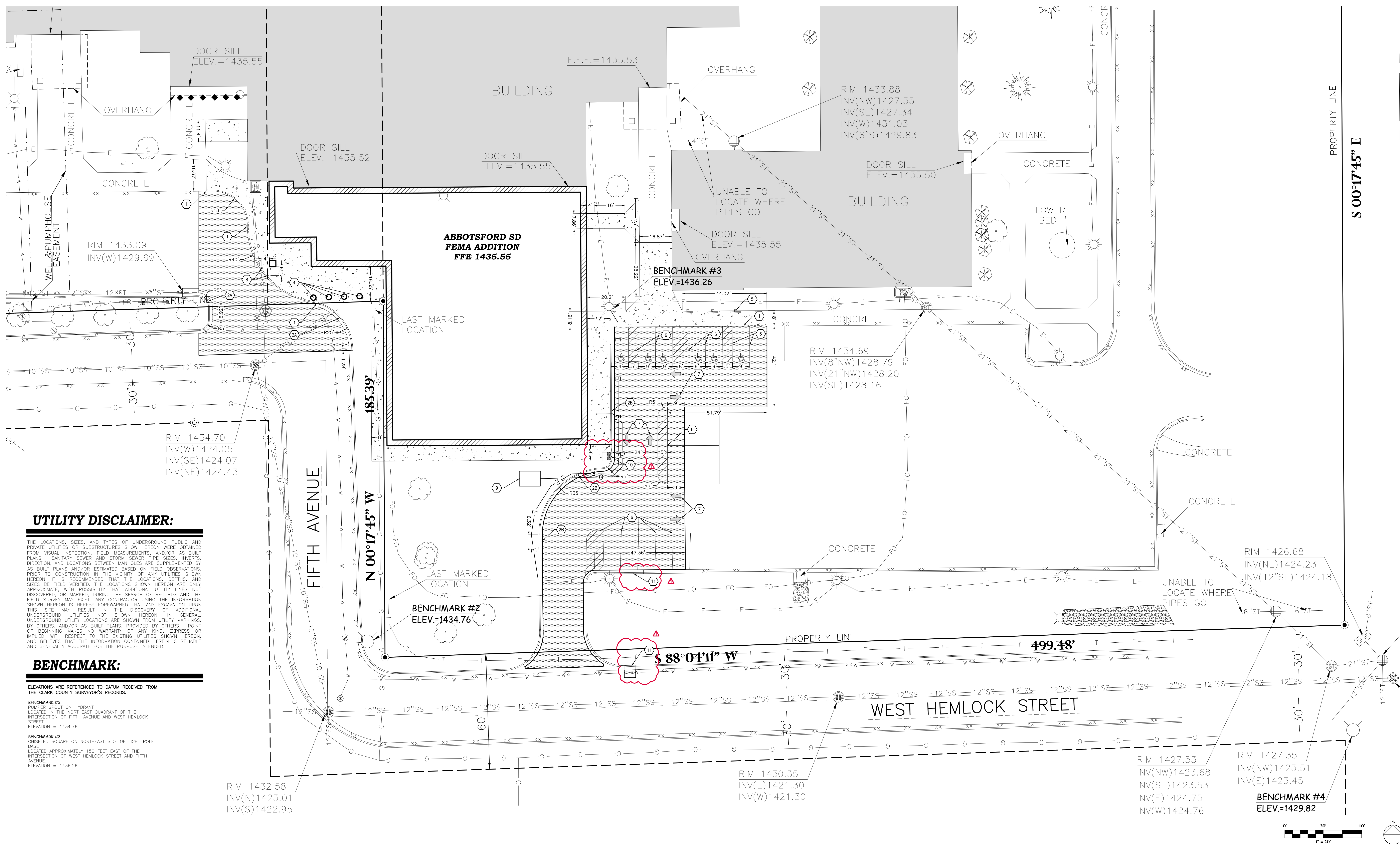
### KEYNOTES:

- SAWCUT EXISTING CONCRETE CURBING
- REMOVE EXISTING CONCRETE CURBING
- SAWCUT EXISTING BITUMINOUS PAVEMENT
- SAWCUT EXISTING CONCRETE WALK
- MAINTAIN EXISTING CONCRETE WALK
- MAINTAIN EXISTING CONCRETE CURBING
- REMOVE/SALVAGE EXISTING SIGN
- MAINTAIN EXISTING TREE/VEGETATION
- CLEAR & GRUB EXISTING TREE
- MAINTAIN EXISTING STORM SEWER STRUCTURE
- EXISTING SANITARY SEWER STRUCTURE TO BE REPLACED BY PLUMBING
- MAINTAIN EXISTING WATER SERVICE
- MAINTAIN EXISTING WATER VALVES
- MAINTAIN EXISTING STORM SEWER PIPE
- MAINTAIN EXISTING SANITARY SEWER PIPE
- MAINTAIN EXISTING POWER/LIGHT POLE
- MAINTAIN EXISTING ELECTRICAL LINE
- RELOCATE EXISTING ELECTRICAL LINE
- CUT AND REMOVE ABANDONED FIBER OPTIC LINE AS REQUIRED FOR SITE AND BUILDING CONSTRUCTION
- VERIFY ABANDONED EXISTING UNDERGROUND GAS LINE LOCATION (REMOVE OR RELOCATE AS REQUIRED)
- REMOVE EXISTING GATE
- REMOVE PARKING LOT STRIPING
- MAINTAIN PARKING LOT STRIPING
- REMOVE, SALVAGE, AND REINSTALL SITE LIGHTING AS REQUIRED FOR BUILDING CONSTRUCTION

### CIVIL SHEET INDEX:

- C1.0 - DEMOLITION PLAN
- C2.0 - LAYOUT PLAN
- C3.0 - GRADING PLAN
- C4.0 - EROSION CONTROL PLAN
- C5.0 - UTILITY PLAN
- C6.0 - CONSTRUCTION DETAILS
- C6.1 - CONSTRUCTION DETAILS
- L1.0 - LANDSCAPE PLAN





### UTILITY DISCLAIMER:

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OR SUBSTRUCTURES SHOWN HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION, AND LOCATIONS ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES BE FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBLY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED, OR MARKED, DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY MAY EXIST. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS, BY OTHERS, AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON, AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

### BENCHMARK:

ELEVATIONS ARE REFERENCED TO DATUM RECEIVED FROM THE CLARK COUNTY SURVEYOR'S RECORDS.

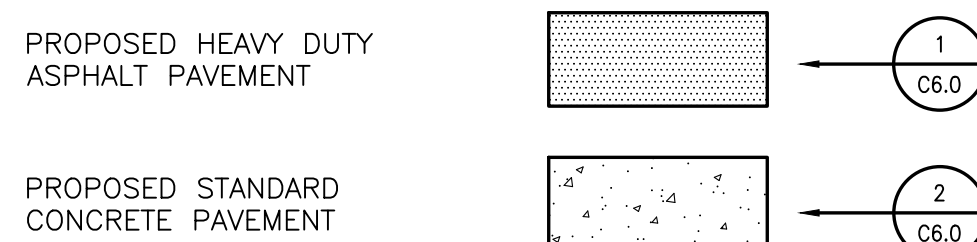
**BENCHMARK #2**  
PUMPER SPOUT ON HYDRANT  
LOCATED IN THE NORTHEAST QUADRANT OF THE  
INTERSECTION OF FIFTH AVENUE AND WEST HEMLOCK  
STREET.  
ELEVATION = 1434.76

**BENCHMARK #3**  
CHISELED SQUARE ON NORTHEAST SIDE OF LIGHT POLE  
BASE  
LOCATED APPROXIMATELY 150 FEET EAST OF THE  
INTERSECTION OF WEST HEMLOCK STREET AND FIFTH  
AVENUE.  
ELEVATION = 1436.26

### GENERAL NOTES:

- CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- GRADE, LINE, AND LEVEL TO BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
- ALL REQUIRED EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LOCAL MUNICIPAL AND DEPARTMENT OF NATURAL RESOURCES REGULATIONS.
- SEE SHEET C4.0 FOR ALL REQUIRED EROSION CONTROL ELEMENTS.
- ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR AND INCLUDED IN THE BASE BID CONTRACT.
- VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF DEMOLITION/CONSTRUCTION.
- BIDDERS SHALL VISIT THE SITE AND REVIEW EXISTING CONDITIONS PRIOR TO THE BID DATE.
- PRIOR TO STARTING WORK, VERIFY WITH THE LOCAL AUTHORITIES THAT ALL REQUIRED PERMITS HAVE BEEN ACQUIRED.
- COORDINATE CONSTRUCTION IN THE RIGHT OF WAY WITH THE LOCAL AUTHORITIES.
- PROVIDE PROPER BARRICADES, SIGNS, AND TRAFFIC CONTROL TO MAINTAIN THRU TRAFFIC ALONG ADJACENT STREETS IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS.
- SIDEWALK JOINTS SHALL BE INSTALLED AS INDICATED OR AS APPROVED BY THE CONSTRUCTION MANAGER.
- ALL CONCRETE SAWCUTS SHALL BE AT AN EXISTING JOINT.
- ALL GENERAL LANDSCAPE AREAS SHALL BE SEEDED, FERTILIZED, AND CRIMP HAY MULCHED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

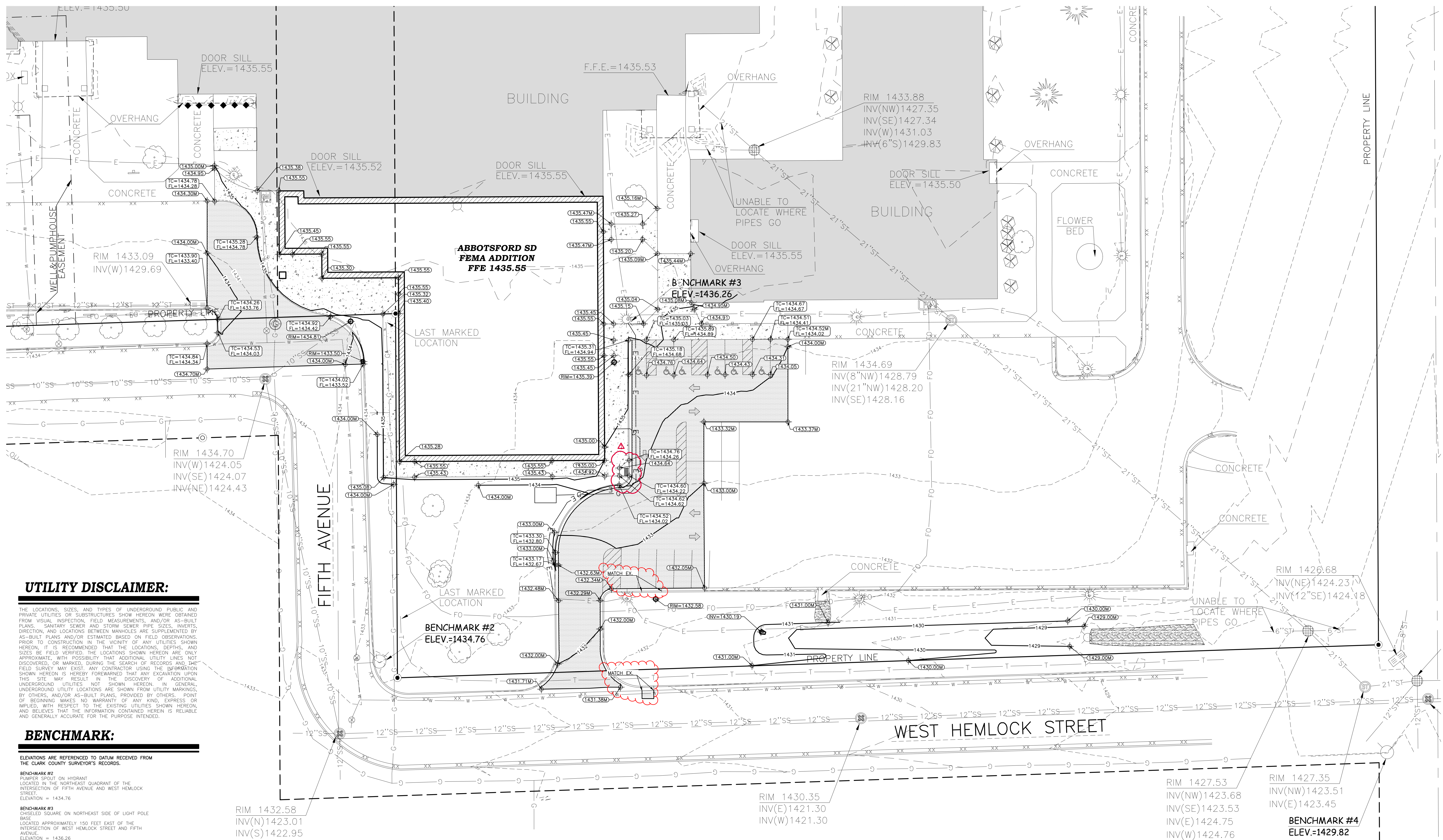
### PAVEMENT HATCH PATTERNS:



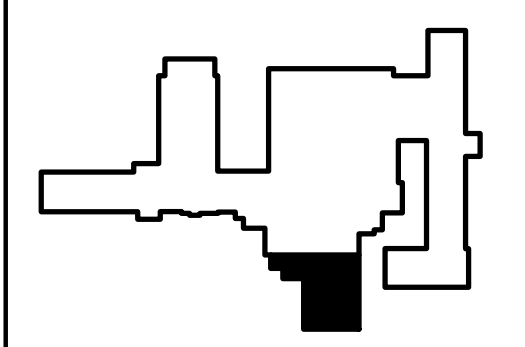
### KEYNOTES:

- THICKENED EDGE WALK  
2A - STANDARD 24" CURB & GUTTER  
2B - REJECT 24" CURB & GUTTER
- 6" CURB TAPER SECTION
- LANDSCAPE PLANTER  
BRAND: WAUSAU TILE  
MODEL: TF4001 ECLIPSE CONCRETE PLANTER  
SIZE: 38" DIA. X 38" HT.
- REINSTALLED SALVAGED HANDICAP SIGNS
- PARKING LOT STRIPING
- DIRECTIONAL ARROW STRIPING
- CONCRETE BOLLARD
- UNDERGROUND LP TANK W/ CONG. LID. SEE PLUMBING DRAWINGS
- ACCESSIBLE CURB RAMP
- REINSTALL CONCRETE CURB AND GUTTER, AND ASPHALT DRIVEWAY AS REQUIRED FOR WATER SERVICE INSTALLATION









KEY PLAN

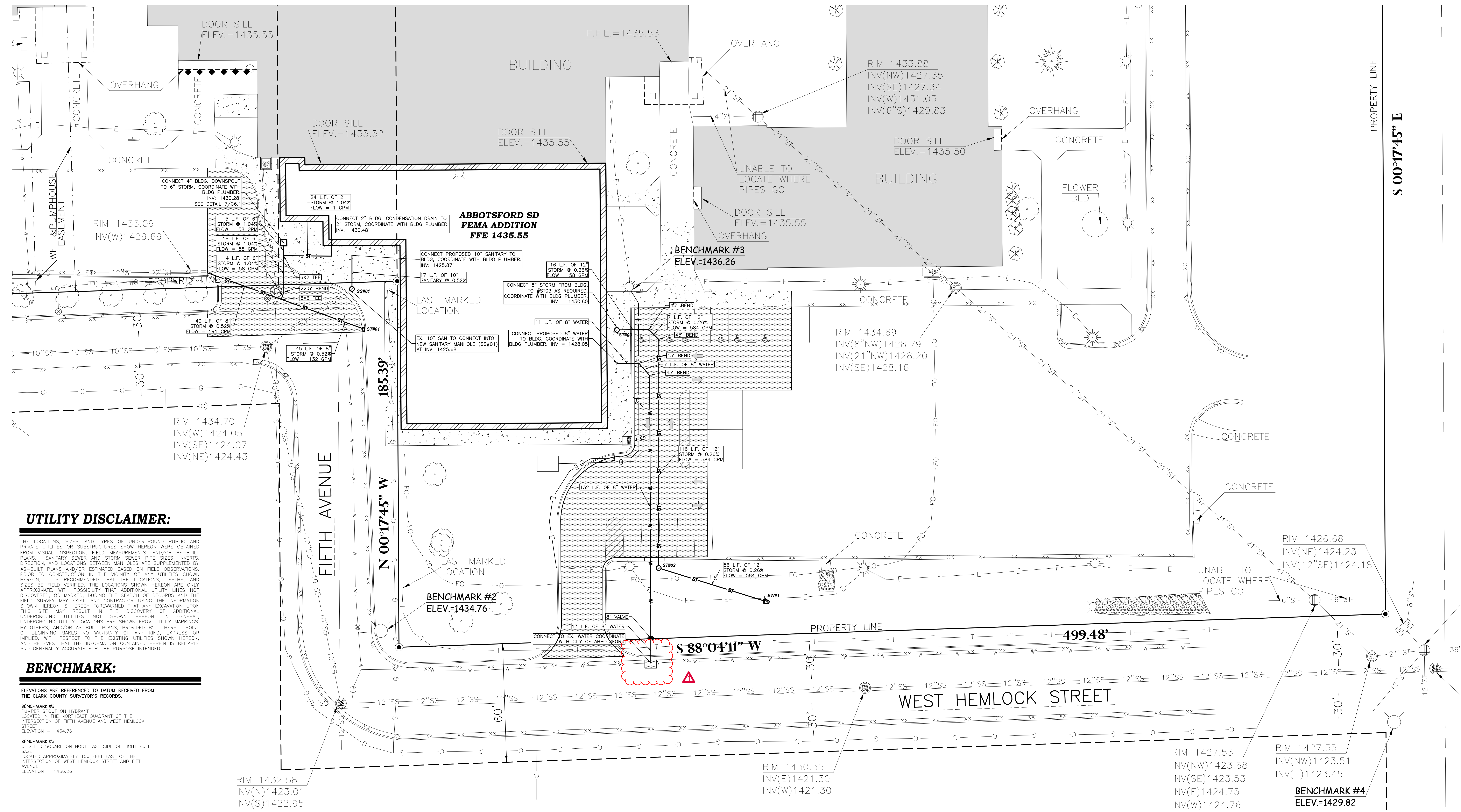
**REVIEW SET -  
NOT FOR  
CONSTRUCTION**

No.	Description	Date
ADDENDUM #1		12/22/21
REV DOCUMENTS		12/09/21

Graphic Scale: See Plan

Last Update:  
12/22/2021

**C5.0**



# UTILITY DISCLAIMER:

THE LOCATIONS, SIZES, AND TYPES OF UNDERGROUND PUBLIC AND PRIVATE UTILITIES OF SUBSTRUCTURES SHOWN HEREON WERE OBTAINED FROM VISUAL INSPECTION, FIELD MEASUREMENTS, AND/OR AS-BUILT PLANS. SANITARY SEWER AND STORM SEWER PIPE SIZES, INVERTS, DIRECTION, AND LOCATIONS BETWEEN MANHOLES ARE SUPPLEMENTED BY AS-BUILT PLANS AND/OR ESTIMATED BASED ON FIELD OBSERVATIONS. PRIOR TO CONSTRUCTION IN THE VICINITY OF ANY UTILITIES SHOWN HEREON, IT IS RECOMMENDED THAT THE LOCATIONS, DEPTHS, AND SIZES OF FIELD VERIFIED. THE LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE, WITH POSSIBILITY THAT ADDITIONAL UTILITY LINES NOT DISCOVERED, OR MARKED, DURING THE SEARCH OF RECORDS AND THE FIELD SURVEY. ANY CONTRACTOR USING THE INFORMATION SHOWN HEREON IS HEREBY FOREWARNED THAT ANY EXCAVATION UPON THIS SITE MAY RESULT IN THE DISCOVERY OF ADDITIONAL UNDERGROUND UTILITIES NOT SHOWN HEREON. IN GENERAL, UNDERGROUND UTILITY LOCATIONS ARE SHOWN FROM UTILITY MARKINGS, BY OTHERS, AND/OR AS-BUILT PLANS, PROVIDED BY OTHERS. POINT OF BEGINNING MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, WITH RESPECT TO THE EXISTING UTILITIES SHOWN HEREON AND BELIEVES THAT THE INFORMATION CONTAINED HEREIN IS RELIABLE AND GENERALLY ACCURATE FOR THE PURPOSE INTENDED.

# BENCHMARK:

ELEVATIONS ARE REFERENCED TO DATUM RECEIVED FROM THE CLARK COUNTY SURVEYOR'S RECORDS.

**BENCHMARK #2**  
PUMPER SPOUT ON HYDRANT  
LOCATED IN THE NORTHEAST QUADRANT OF THE  
INTERSECTION OF FIFTH AVENUE AND WEST HEMLOCK  
STREET.  
ELEVATION = 1434.76

**BENCHMARK #3**  
CHISELED SQUARE ON NORTHEAST SIDE OF LIGHT POLE  
BASE  
LOCATED APPROXIMATELY 150 FEET EAST OF THE  
INTERSECTION OF WEST HEMLOCK STREET AND FIFTH  
AVENUE.  
ELEVATION = 1436.26

# GENERAL NOTES:

- CONTACT DIGGER'S HOTLINE 5 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.
- GRADE, LINE, AND LEVEL SHALL BE REVIEWED IN THE FIELD BY THE CONSTRUCTION MANAGER.
- ANY EXISTING UTILITIES NOT SHOWN ON THIS DOCUMENT WHICH NEED TO BE REMOVED, RELOCATED AND OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE SITE GRADING CONTRACTOR.
- REFER TO THE PROPOSED BUILDING MECHANICAL/PLUMBING PLANS TO VERIFY EXACT CONNECTION LOCATIONS AND SIZES OF PROPOSED SANITARY SEWER AND WATER LATERALS.
- COORDINATE ALL UTILITY WORK WITH THE RESPECTIVE TRADES RESPONSIBLE FOR THE INSTALLATION OF GAS, CABLE, TELEPHONE AND ELECTRICAL (INCLUDING MAIN SERVICE, SITE LIGHTING, CONDUITS AND SIGNAGE).
- COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE LOCAL MUNICIPALITY.
- ALL TESTING AND INSPECTION SHALL BE DONE IN ACCORDANCE WITH SPS 382.21.
- THE PROPOSED WATER MAIN SHALL HAVE A MINIMUM COVER OF 7'-6" TO THE TOP OF PIPE FROM PROPOSED FINISHED GRADE. SEE SHEET C3.0 FOR PROPOSED FINISHED GRADE.
- THE MUNICIPALITY SHALL BE CONTACTED PRIOR TO ANY EXCAVATION IN THE PUBLIC RIGHT-OF-WAY, AND PRIOR TO CONNECTING SANITARY SEWER AND WATER LATERALS TO THE PUBLIC MAINS.
- THE CONTRACTOR SHALL HAVE A TRAFFIC CONTROL PLAN APPROVED PRIOR TO WORK COMMENCING.
- THE MUNICIPALITY SHALL OPERATE ALL EXISTING WATER VALVES, IF NEEDED.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND PERMITTING OF THE WELL.
- FIELD VERIFY INVERT ELEVATION OF THE SANITARY SEWER AND WATER PUBLIC MAIN, AT THE LOCATION OF THE SERVICE LATERAL CONNECTIONS, PRIOR TO CONNECTING THE LATERALS TO THE PUBLIC MAIN.
- PROVIDE RIP RAP AT ALL STORM ENDWALLS TO PREVENT WASHOUT AND EROSION.
- INSTALL WsDOT TYPE HR FILTER FABRIC BENEATH PROPOSED RIP RAP.

# UTILITY LEGEND:

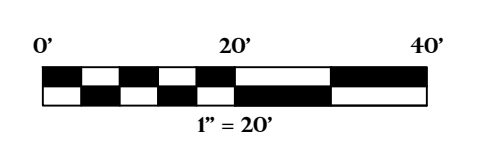
PROPOSED STORM SEWER	ST
PROPOSED WATER MAIN	W
PROPOSED WATER VALVE	WV
PROPOSED ENDWALL STRUCTURE WITH RIP RAP	ER
PROPOSED STORM SEWER CURB INLET	CI
PROPOSED SANITARY SEWER MANHOLE	SM
PROPOSED STORM SEWER MANHOLE	SM

# STORM MANHOLE SCHEDULE:

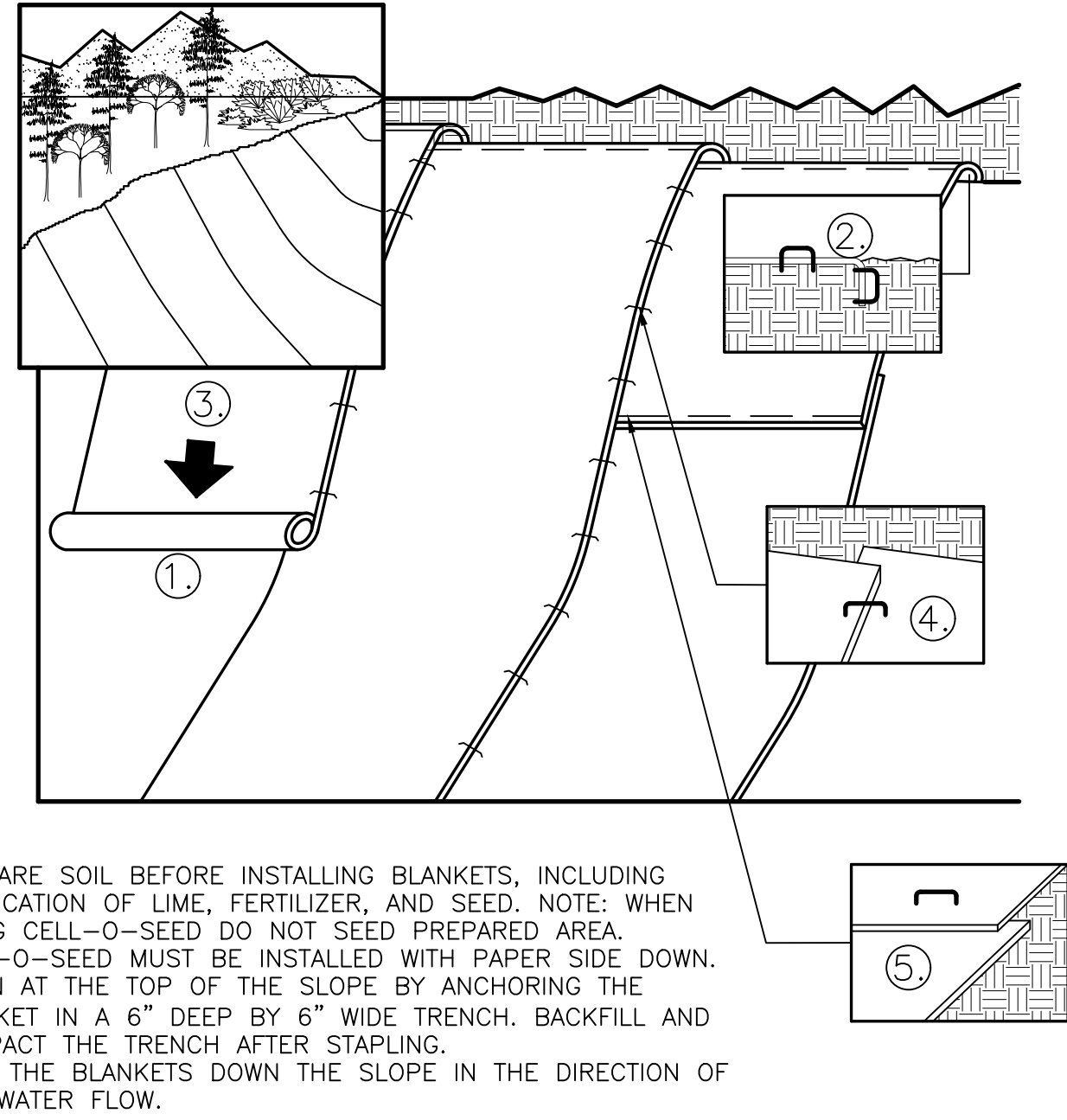
STRUCTURE #	STRUCTURE DETAILS
ST#01	RIM = 1433.50 INV (W) = 1430.23 DEPTH = 3.27' RECTANGULAR CURB INLET
ST#02	RIM = 1434.37 INV (N) = 1430.44 INV (E) = 1430.34 DEPTH = 4.42' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1772 CASTING W/ SOLID COVER
ST#03	RIM = 1435.39 INV (E) = 1430.80 DEPTH = 4.60' 48" I.D. PRECAST MANHOLE W/ NEENAH R-1772 CASTING W/ SOLID COVER

# SANITARY MANHOLE SCHEDULE:

STRUCTURE #	STRUCTURE DETAILS
SS#01	RIM = 1434.81 INV (N) = 1425.78 DEPTH = 9.03' SAN MH

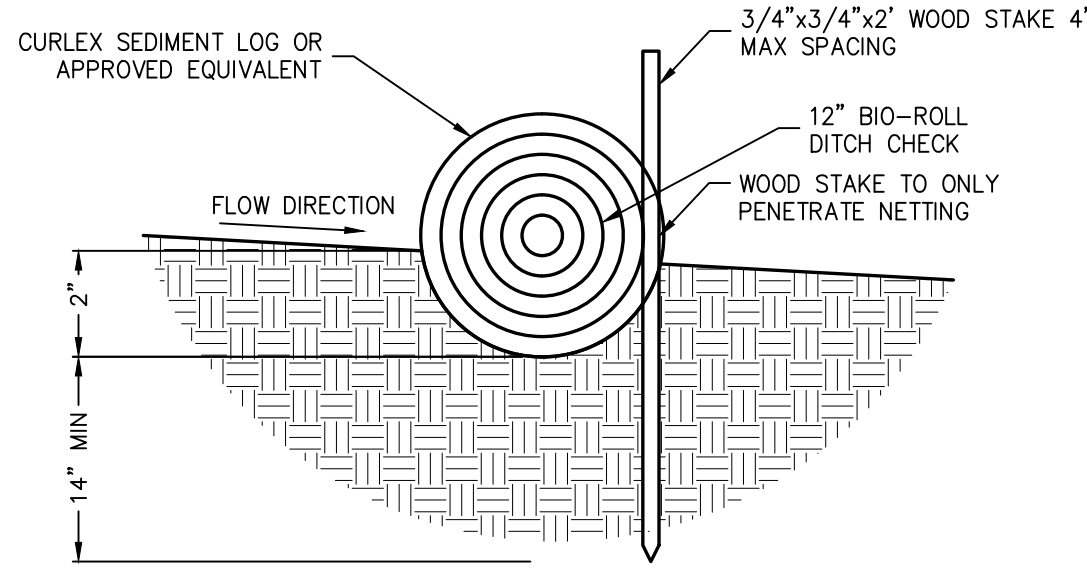






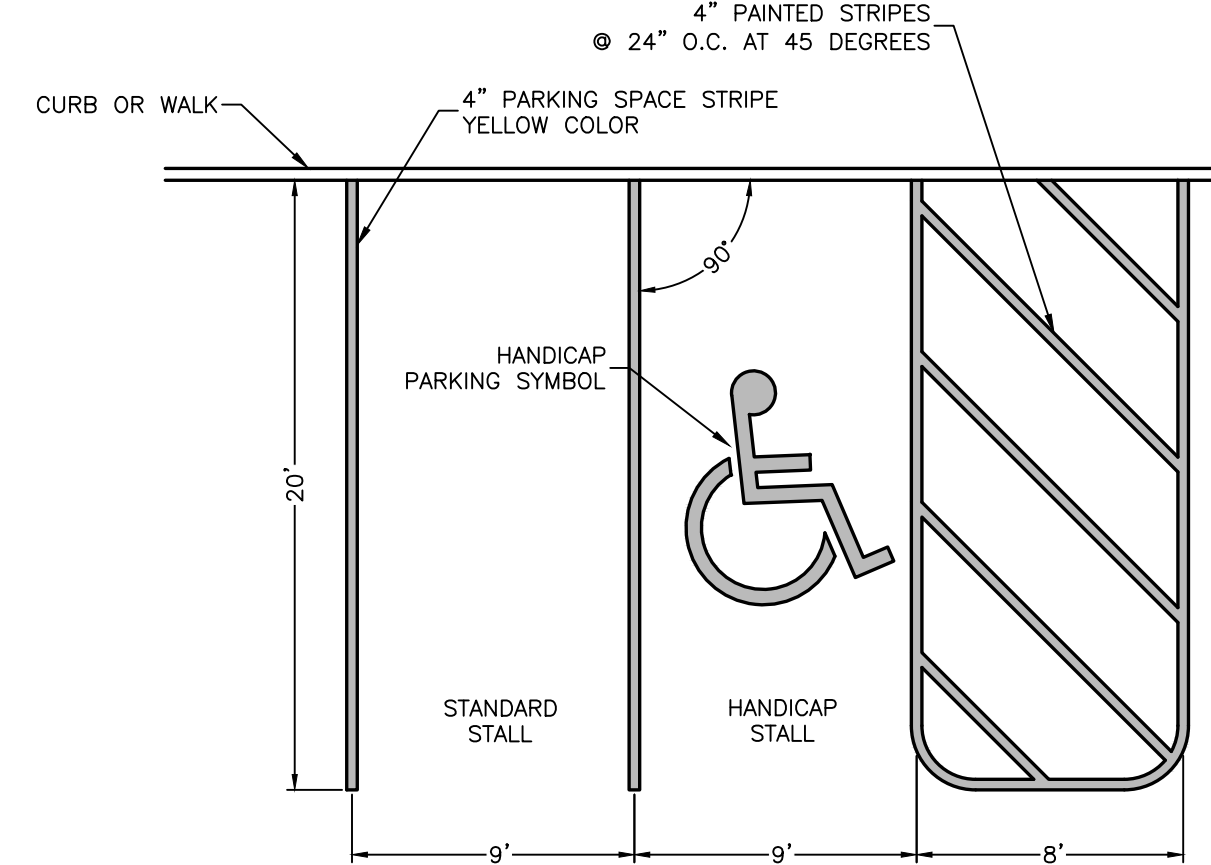
NOTES:  
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.  
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.  
3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.

EROSION CONTROL BLANKET 1 C6.1

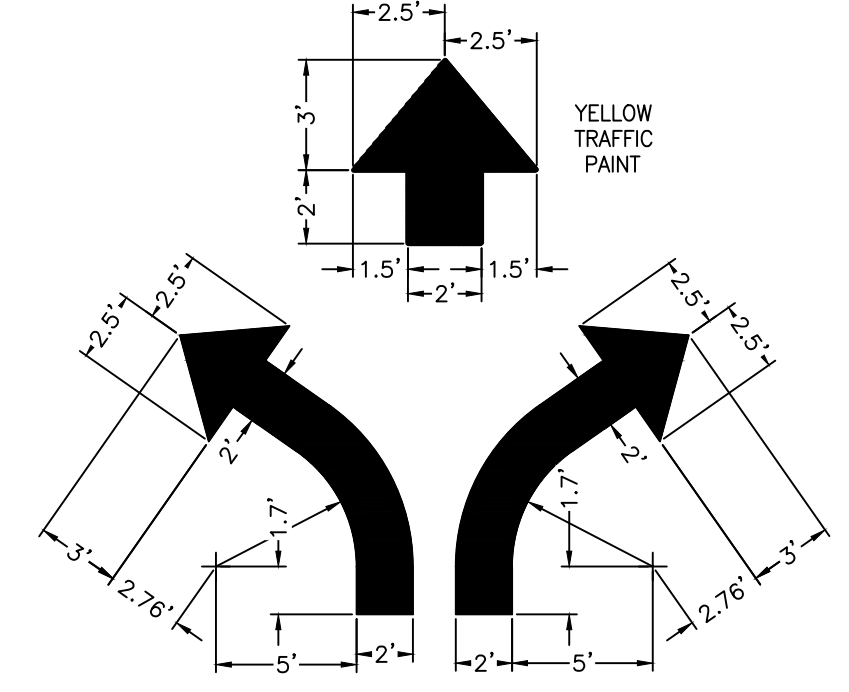


NOTES:  
1. USE "WDNR T.S. 106.5" TEMPORARY DITCH CHECK AND INSTALL ACCORDING TO CURRENT WDNR SPECIFICATIONS.  
2. INSPECT DITCH CHECK FOR DEFICIENCIES PRIOR TO FORECASTED RAIN EVENTS, DAILY DURING EXTENDED RAIN EVENTS, AFTER RAIN EVENTS, AND AT 1-WEEK INTERVALS.  
3. TURN ENDS OF DITCH CHECK UPSLOPE TO PREVENT WATER FROM FLOWING AROUND END.  
4. REMOVE SEDIMENT BEHIND DITCH CHECK BEFORE SEDIMENT LEVEL REACHES THE HALFWAY POINT BETWEEN THE GROUND SURFACE AND TOP OF THE DITCH CHECK.

TEMPORARY DITCH CHECK 2 C6.1

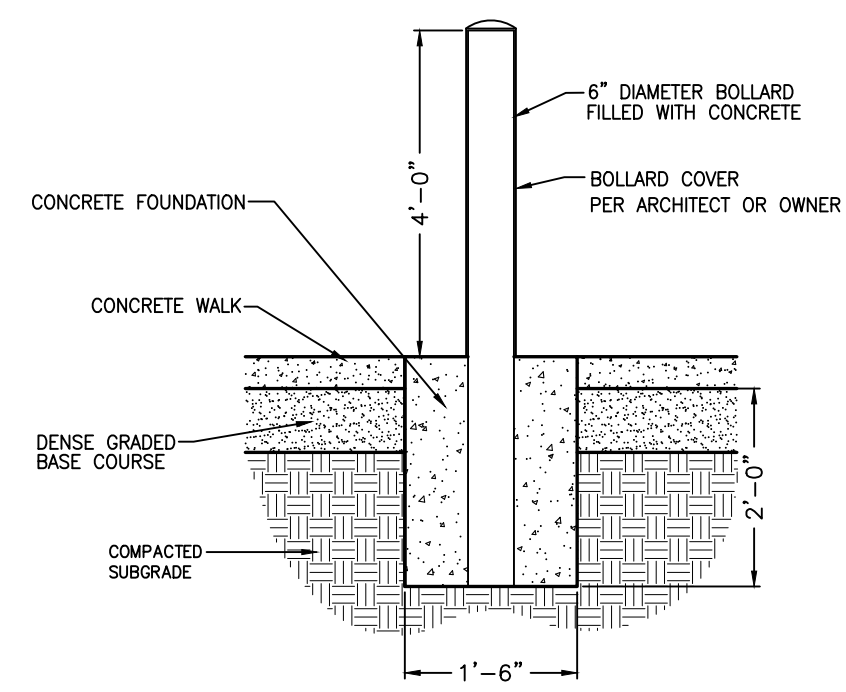


PARKING LOT STRIPING 3 C6.1

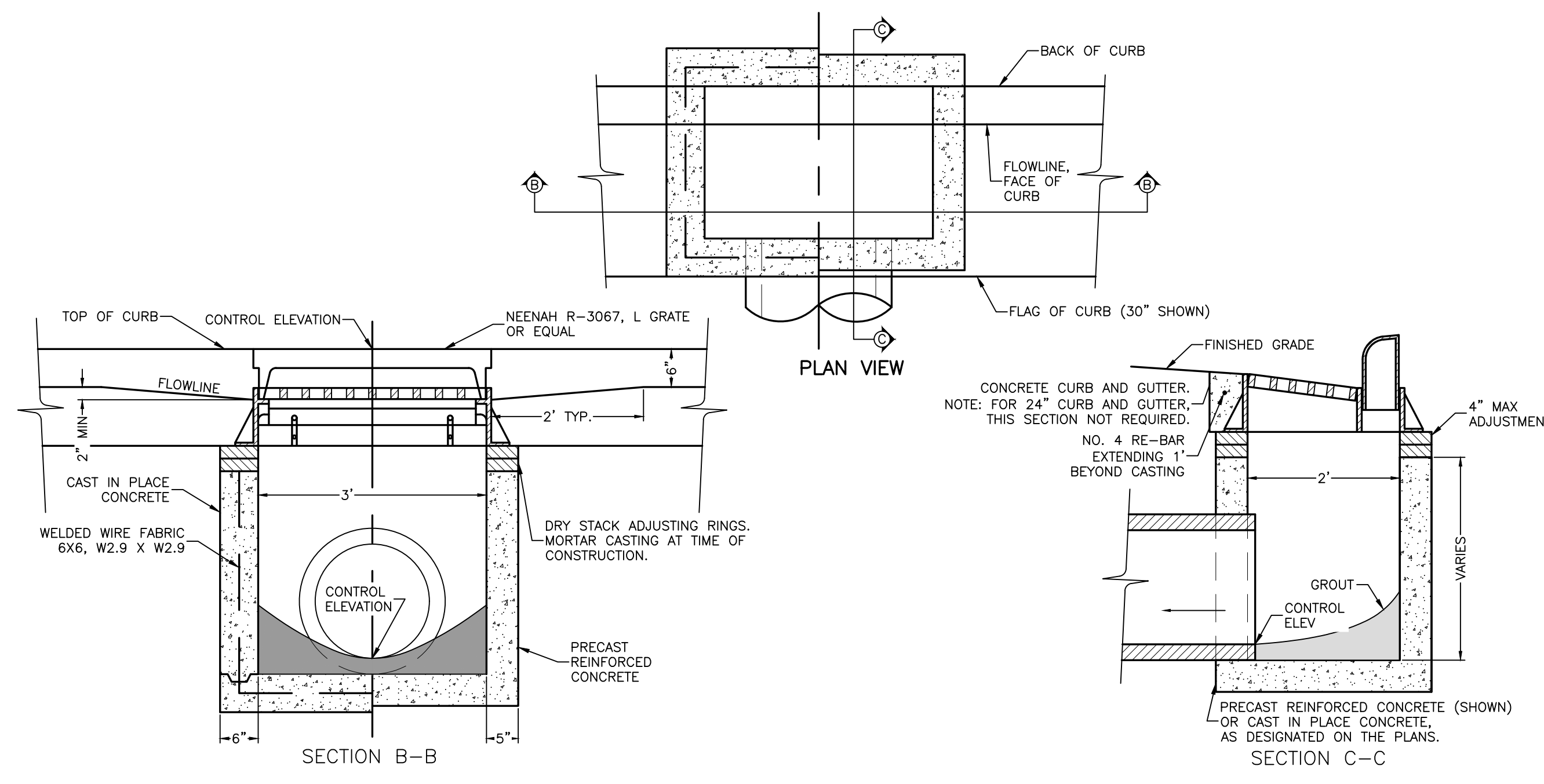


NOTES:  
1. DIRECTIONAL ARROWS SHALL BE EPOXY, COLORED TO MATCH EXISTING  
2. DIRECTIONAL ARROWS SHALL MATCH DIMENSIONS FROM WisDOT SDD 15C07-15c

DIRECTIONAL ARROW STRIPING 4 C6.1

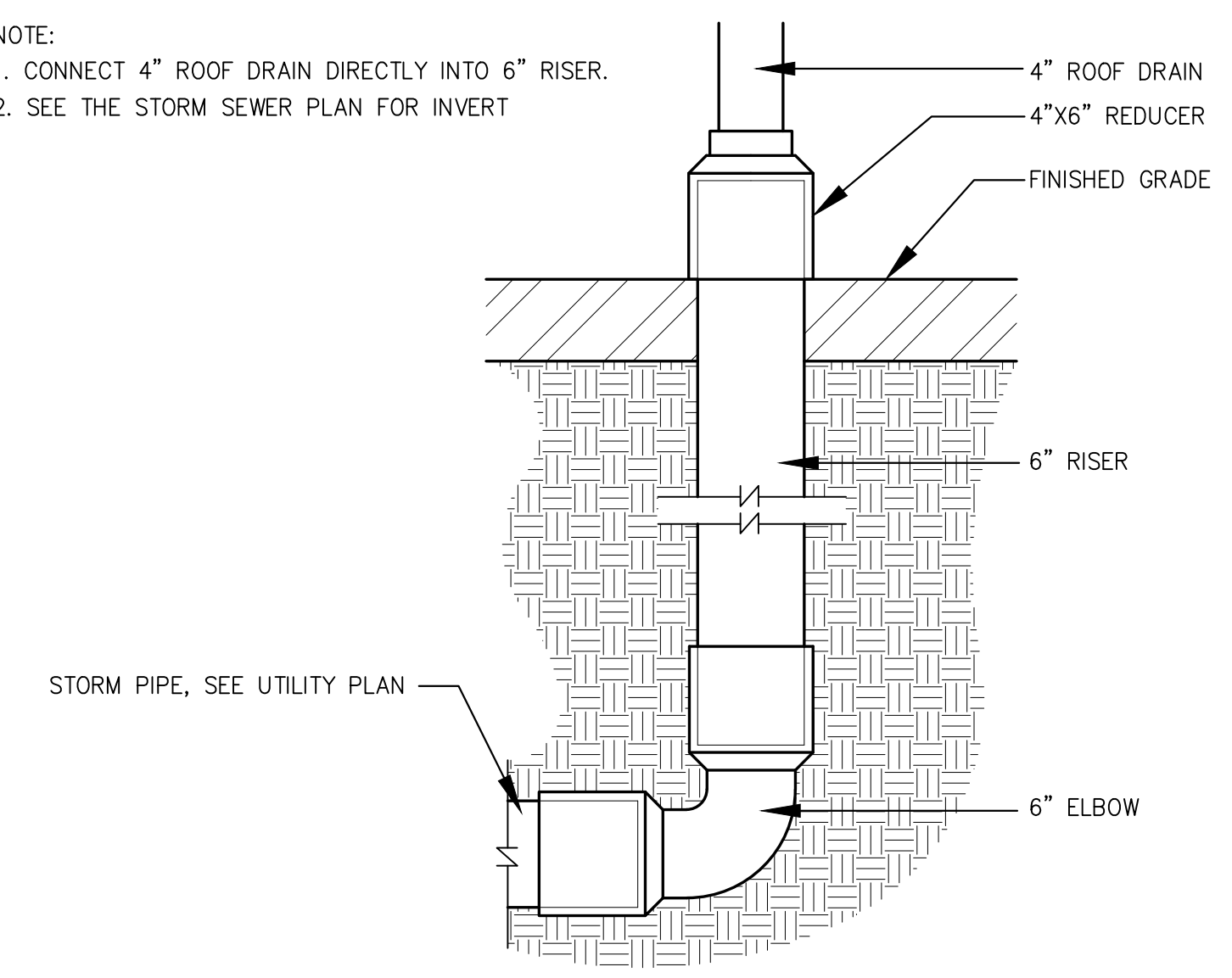


CONCRETE BOLLARD 5 C6.1

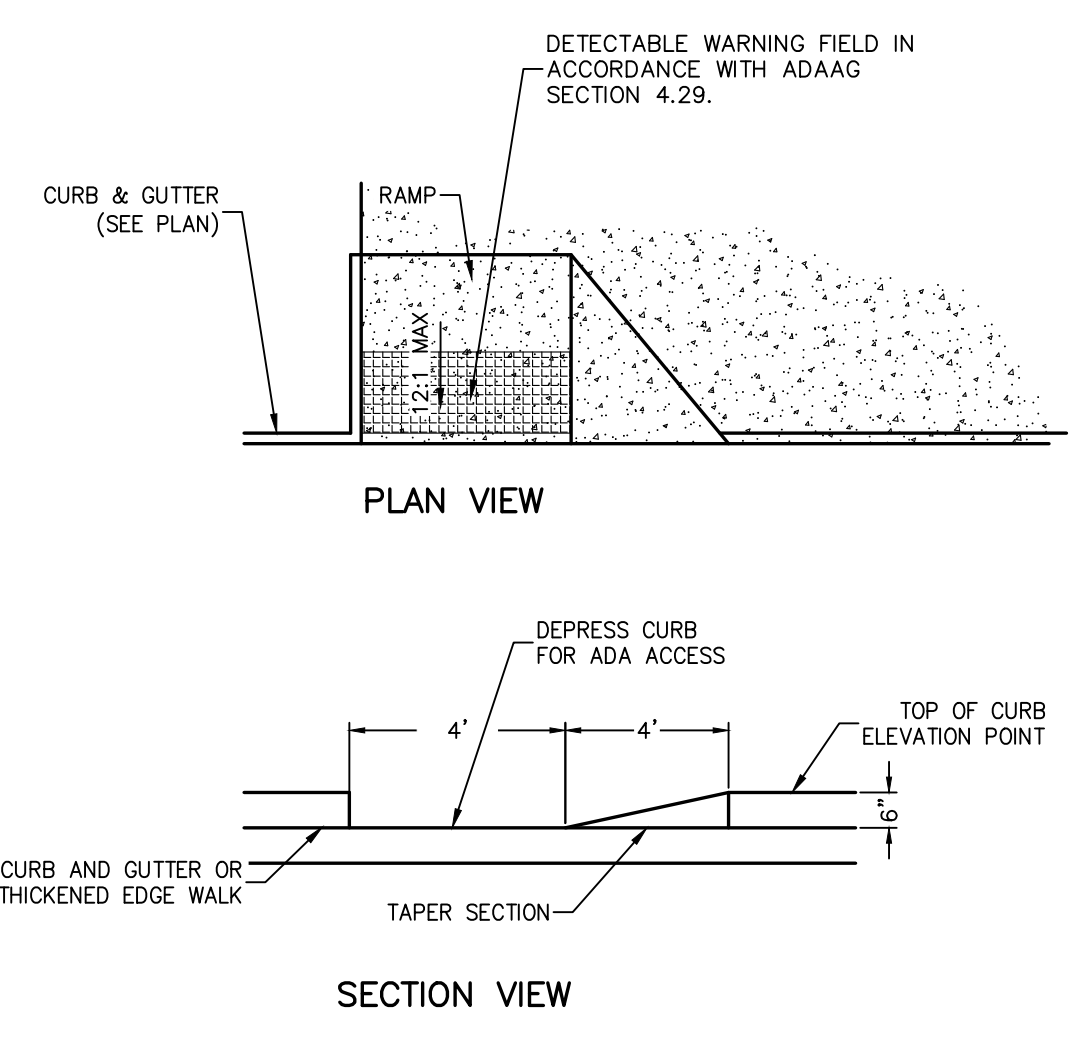


CURB INLET 6 C6.1

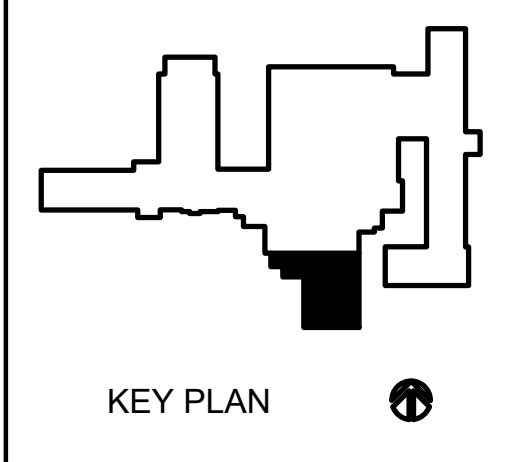
NOTE:  
1. CONNECT 4" ROOF DRAIN DIRECTLY INTO 6" RISER.  
2. SEE THE STORM SEWER PLAN FOR INVERT



ROOF DRAIN CONNECTION 7 C6.1



ACCESSIBLE CURB RAMP 8 C6.01



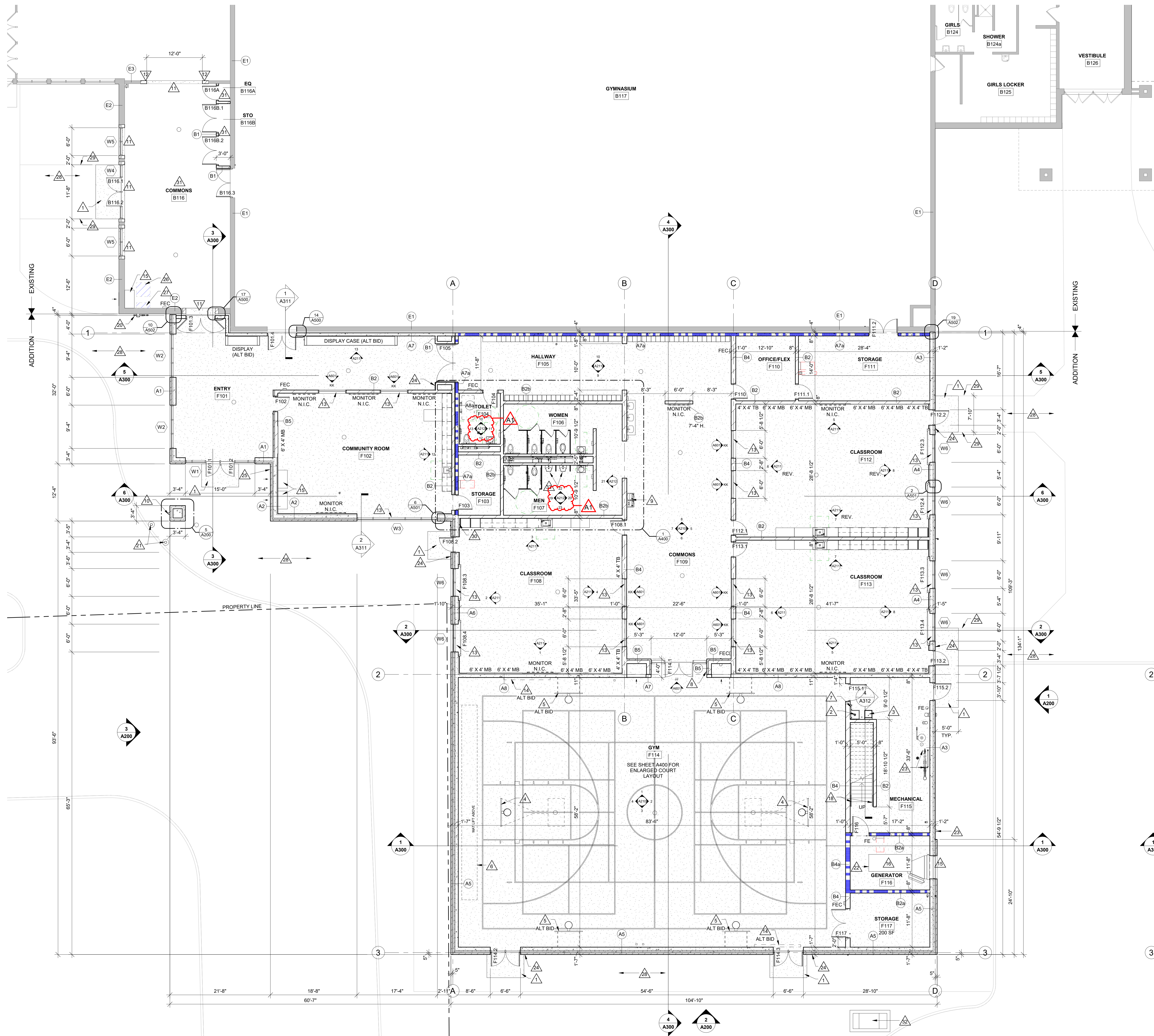
REVIEW SET -  
NOT FOR  
CONSTRUCTION

No.	Description	Date
1	ADDENDUM #1	12/22/21
2	BID DOCUMENTS	12/09/21

Graphic Scale: See Plan

Last Update: **12/22/2021**





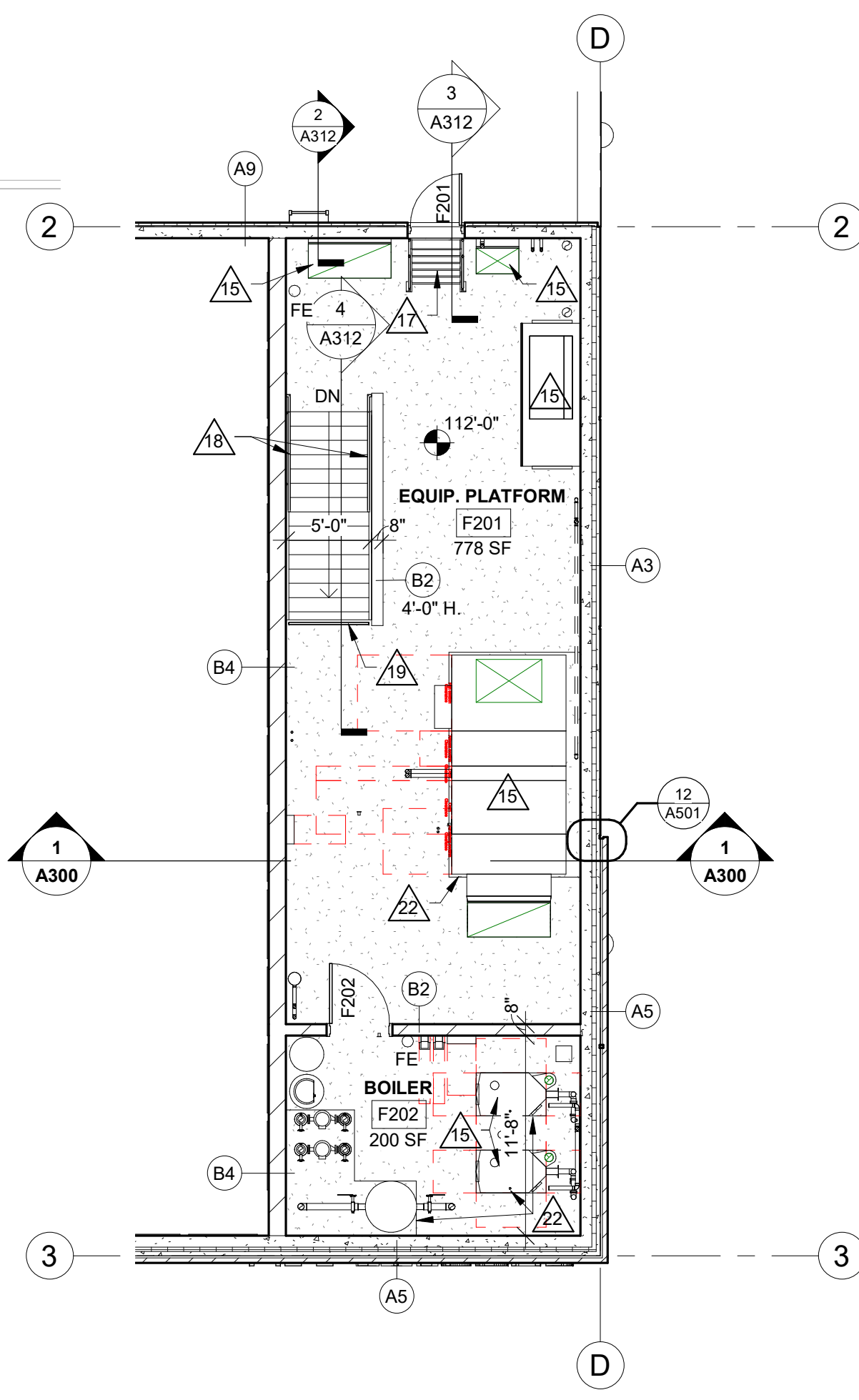
**1 FIRST FLOOR PLAN**  
1/8" = 1'-0"

**2 EQ. PLATFORM PLAN**  
1/8" = 1'-0"

- PLAN GENERAL NOTES:**
- REFER TO OVERALL PLANS FOR FIRE RATING LOCATIONS AND ACCESSIBILITY ROUTES.
  - SEE ID SHEETS FOR FLOOR AND WALL FINISH LAYOUTS.
  - LOOSE FURNISHINGS EXCEPT AS NOTED SHALL BE PROVIDED AND INSTALLED BY THE OWNER.
  - FIXED EQUIPMENT IS SHOWN ON THIS PLAN FOR COORDINATION. SEE SHEETS A400 FOR ALL EQUIPMENT NOTES.
  - UNLESS NOTED OTHERWISE RESTROOM FLOORS SHALL BE SLOPED A MIN. 1/16" : 12" TO FLOOR DRAINS - TO "CENTER", IF NO FLOOR DRAINS.
  - PAINT ALL EXPOSED STEEL UNITS.
  - EXTEND ALL WALLS TO DECK UNLESS NOTED OTHERWISE.
  - INSTALL BULLNOSE CMU AT ALL OUTSIDE CORNERS W/O TILE AND AT DOOR JAMBS AS DETAIL. NO BULLNOSE AT WINDOW JAMBS.
  - SEE A401 FOR WALL CONTROL JOINT DETAILS. SEE PLANS AND ELEVATIONS FOR C.J. LOCATIONS. C.J. = CONTROL JOINTS.
  - SEE A401 FOR TYPICAL HEAD FLASHING AND THROUGH-WALL FLASHING ISOMETRIC DETAILS.
  - SEE STRUCTURAL FOR SLAB CONTROL JOINTS.
  - GENERAL CONTRACTOR TO PROVIDE CONCRETE EQUIPMENT PADS/CURBS AS REQUIRED FOR MECHANICAL / ELECTRICAL EQUIPMENT. VERIFY SIZE, PROFILE & LOCATION WITH MECHANICAL / ELECTRICAL.
  - VERIFY EXACT SIZE AND LOCATION OF ALL MECHANICAL / PLUMB AND ELEC OPENINGS - GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FINISH AT ALL VISIBLE AREAS. ALL OPENING SHALL BE SEALED AFTER UTILITY INSTALLATION.

- PLAN LEGEND:**
- A SYMBOL INDICATES WALL TYPE - SEE SHEET A400 FOR WALL TYPE DETAILS.
  - A SYMBOL INDICATES WINDOW TYPE - SEE SHEET A400 FOR WINDOW FRAME ELEVATIONS.
  - A SYMBOL INDICATES CONSTRUCTION NOTE THIS SHEET
  - 2 HOUR WALL

- KEY NOTES PLAN**
- CONC. STOOB - SEE STRUCT.
  - MCB BASIN - SEE PLUMBING
  - UTILITY SINK - SEE PLUMBING
  - FORWARD FOLDING BASKETBALL BACKSTOP - SEE SHEET A400
  - WALL MOUNT BASKETBALL BACKSTOP (ALT BID) - SEE SHEET A400
  - WALL MOUNT MATT LIFT - SEE SHEET A400
  - MOP AND BROOM HOLDER (MBH) - SEE ACCESSORIES SCHEDULE SHEET A400
  - GYM CONTROL PANEL - SEE ELECTRICAL
  - ELECTRIC WATER COOLER - SEE PLUMBING
  - OPEN FACE ALUM DOWNSPOUT, TIE INTO STORM SEWER - SEE CIVIL
  - PATCH CONC SLAB AT REMOVED MASONRY WALL
  - BULLNOSE CMU AT NEW OPENING JAMBS
  - WINDOW BLINDS - SEE ID SHEETS
  - SCOREBOARD (ALT BID)
  - MECHANICAL EQUIPMENT DUCTWORK - SEE MECHANICAL
  - GENERATOR - SEE ELECTRICAL
  - 60" GALVANIZED STL SHIPS LADDER - 36" WIDE
  - 1 1/4" DIA (NOM) BLACK SCHEDULE 40 STEEL HANDRAIL
  - 1 1/4" DIA (NOM) BLACK SCHEDULE 40 STEEL REMOVABLE GUARDRAIL
  - EXISTING GAS METER TO REMAIN - SEE PLUMBING
  - BOLLARD - SEE CIVIL
  - CONC HOUSEKEEPING PAD - COORDINATE W/ MECHANICAL
  - PLUMBING EQUIPMENT - SEE PLUMBING
  - TORNADO SAFE ROOM SIGN - SEE 1/A601
  - TORNADO SAFE ROOM LOCATION SIGN - SEE 2/A601
  - APPLY FLOOR LEVELING COMPOUND (AT REMOVED FLOOR DRAIN) AND PREP FOR NEW FLOORING FINISH
  - PATCH CONC SLAB AT REMOVED PLUMBING SERVICE - SEE PLUMBING
  - CONC PLAZA/SIDEWALK - SEE CIVIL
  - CONC SIDEWALK AND STOOB TO ALIGN
  - INCREASE DEPTH OF WALL FURRING FOR PLUMBING CHASE
  - NEW FLOOR FINISH THIS ROOM - SEE ID SHEETS
  - APPROXIMATE LOCATION OF NEW UNDERGROUND LP STORAGE TANK - SEE PLUMBING
  - SLOPE FLOOR SLAB TO URINALS - COORDINATE CONC, PLUMBING AND TILE



ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN



**HSR ASSOCIATES INC.**  
100 MILWAUKEE STREET  
LA CROSSE, WISCONSIN  
PHONE: 608.784.1830  
FAX: 608.782.5844  
www.hsrassociates.com

Consultant:

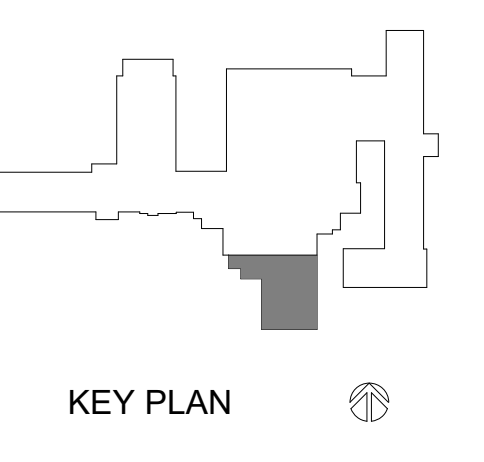
**ABBOTTSFORD SCHOOL DISTRICT  
FEMA ADDITION**  
Project Location: 510 WEST HEMLOCK STREET  
ABBOTTSFORD, WISCONSIN  
Project Title: FLOOR PLANS

Project Title:  
HSR Project Number: 21027

Project Date: DECEMBER 2021

Drawn By: TBS/DJH

Key Plan:



BID DOCUMENTS

No.	Description	Date
A1	ADDENDUM 1	12.22.2021

Graphic Scale:  
0' 2' 4' 8' 12'

Last Update:  
12/22/2021 10:54:00 AM

**A101**





HSR ASSOCIATES INC.  
100 MILWAUKEE STREET  
LA CROSSE, WISCONSIN  
PHONE: 608.784.1830  
FAX: 608.782.5844  
www.hsrassociates.com

Consultant:

ABBOTSFORD SCHOOL DISTRICT  
FEMA ADDITION

Project Location: 510 WEST HEMLOCK STREET  
ABBOTSFORD, WISCONSIN

REFLECTED CEILING PLAN

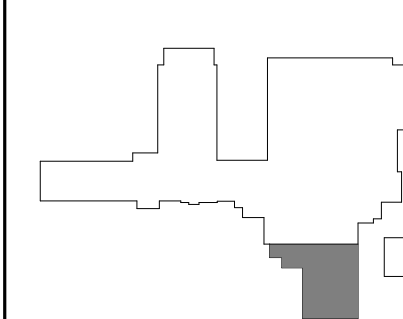
Project Title:

HSR Project Number:  
21027

Project Date:  
DECEMBER 2021

Drawn By:  
DJH

Key Plan:



KEY PLAN

BID DOCUMENTS

No.	Description	Date
A1	ADDENDUM 1	12.22.2021

Graphic Scale:  
VARIES

Last Update:  
12/22/2021 11:13:12 AM

A110

#### RCP GENERAL NOTES:

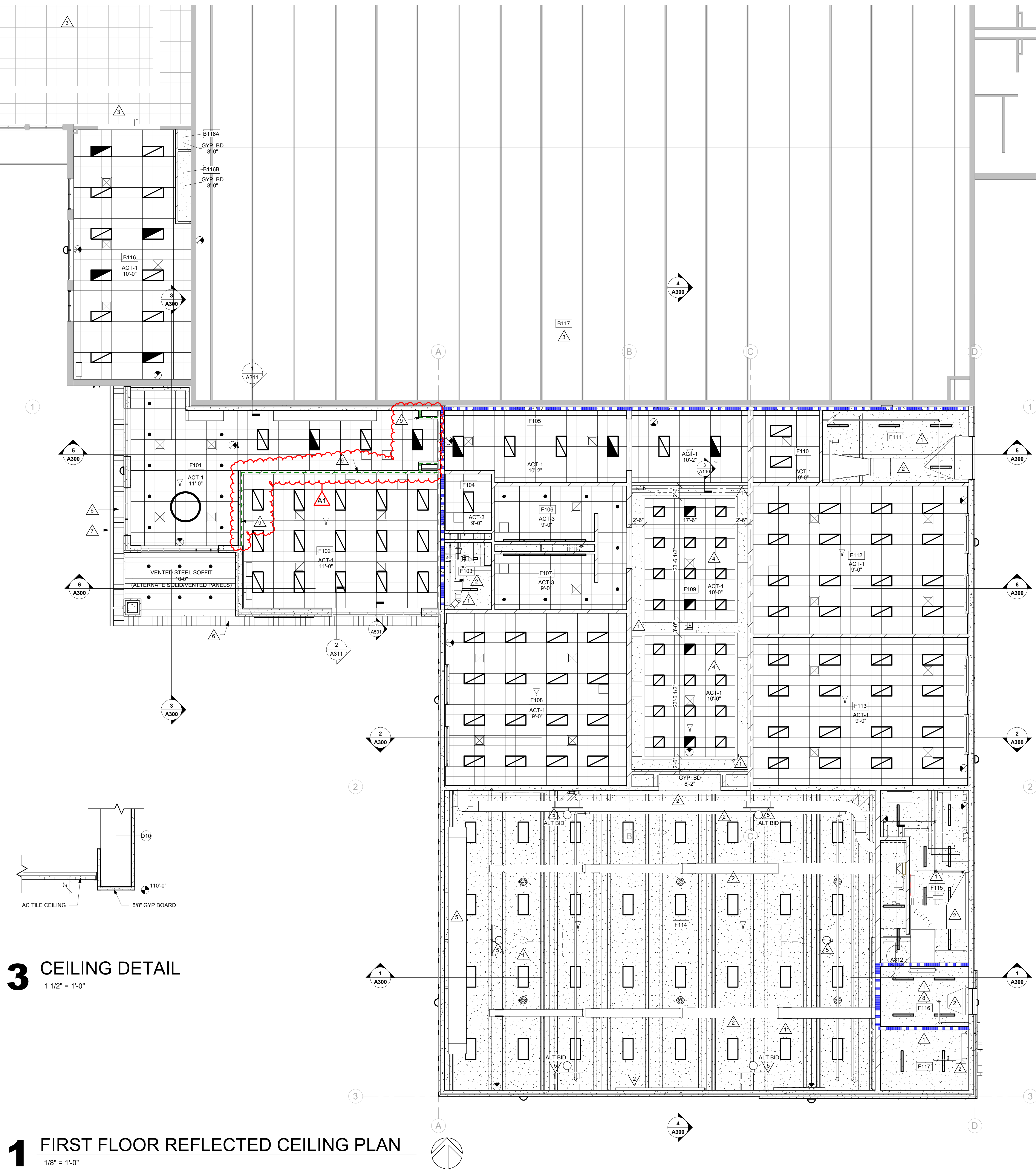
- REFER TO MECHANICAL AND PLUMBING CEILING ACCESS PANEL LOCATIONS & SIZES.
- SEE MECHANICAL FOR CEILING GRILLE INFORMATION.
- SEE ELECTRICAL FOR LIGHTING TYPES.
- ALL INTERIOR PARTITIONS TO EXTEND TO BOTTOM OF DECK UNLESS OTHERWISE NOTED.
- ALL REMAINING ANNULAR SPACE AROUND ITEMS PENETRATING WALLS SHALL BE NEATLY SEALED. PENETRATIONS OF FIRE RATED WALLS SHALL BE FIRESTOPPED WITH THE SAME AS THE WALL.
- WHERE NO CEILING EXPOSED STRUCTURE UNLESS NOTED OTHERWISE, CONTRACTOR SHALL KEEP ALL MEP ABOVE OR EVEN WITH THE LEVEL OF THE LIGHTS. MEP SHALL RUN IN NEAT ORDERLY APPEARANCE GENERALLY PARALLEL OR PERPENDICULAR TO FINISHED STRUCTURE. WALLS IN THESE ROOMS TO RUN TO DECK AND ALL STRUCTURE / MEP COMPONENTS ARE TO BE PAINTED.
- ALL EXTERIOR EXPOSED STEEL LINTEL/HEADERS SHALL BE GALVANIZED, PRIMED AND PAINTED UNLESS NOTED OTHERWISE. REFER TO INTERIOR DESIGN SHEETS FOR OTHER FINISHES.
- HANGERS AND SUPPORTS: MECHANICAL, PLUMBING, ELECTRICAL AND OTHER CABLING CONTRACTORS SHALL NOT HANG OR SUPPORT THE WORK FROM THE ROOF DECK IN ANY FASHION. CONDUIT RUNS SHALL NOT BE LAID ON ROOF DECK NOR LAID ON THE STRUCTURAL SUPPORT THAT SUPPORTS THE ROOF DECK. NO FASTENERS SHALL PENETRATE ROOF DECK BY ANY TRADE OTHER THAN THE ROOFING CONTRACTOR FOR THE NEW ROOF SYSTEM.
- CONFIRM EXACT LOCATION OF OVERHEAD PROJECTORS AND OTHER CEILING MOUNTED EQUIPMENT WITH OWNER / MANUFACTURER PRIOR TO INSTALLATION. SEE EQUIPMENT PLANS FOR ADDITIONAL EQUIPMENT.
- CEILING TYPES INSTALLED AS NOTED ON PLANS. SEE SPECIFICATIONS FOR ADDITIONAL SYSTEM INFORMATION. ACT-1-SQUARE EDGE, ACT-3-VINYL FACED GYP

#### RCP LEGEND:

- LIGHT FIXTURE - SEE ELECTRICAL
- LIGHT FIXTURE - SEE ELECTRICAL
- LIGHT FIXTURE - SEE ELECTRICAL
- LIGHT FIXTURE - SEE ELECTRICAL
- LIGHT FIXTURE - SEE ELECTRICAL
- OCCUPANCY SENSOR - SEE ELECTRICAL
- VACANCY SENSOR - SEE ELECTRICAL
- DAYLIGHT SENSOR - SEE ELECTRICAL
- DATA OUTLET - SEE ELECTRICAL
- SUPPLY - SEE MECHANICAL
- RETURN/EXHAUST - SEE MECHANICAL
- DESTRAT FAN - SEE MECHANICAL

#### KEY NOTES RCP

- NO CEILING - EXPOSED STRUCTURE (PAINT)
- EXPOSED PLUMBING/MECHANICAL/ELECTRICAL PIPING AND DUCTWORK TO BE PAINTED
- EXISTING CEILING TO REMAIN
- ACOUSTIC TILE CEILING CLOUD W/ PERIMETER TRIM - SEE SPEC
- GYMNASIUM EQUIPMENT - SEE 2/A400
- STEEL SOFFIT
- ALUM GUTTER AND DOWNSPOUT
- 2-PACK WATER PROOFING STRUCTURE
- DASHED LINE INDICATES 12" HIGH MASONRY PARTITIONS-SEE STRUCTURAL FOR BRACING/REINFORCEMENT



### 3 CEILING DETAIL

1 1/2" = 1'-0"

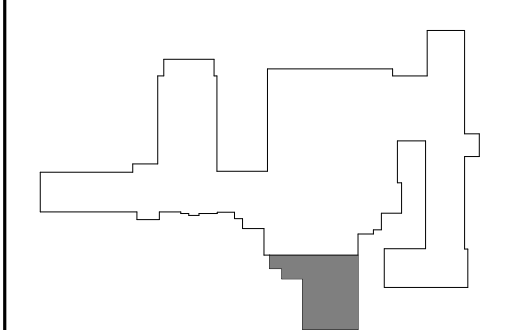
### 1 FIRST FLOOR REFLECTED CEILING PLAN

1/8" = 1'-0"

### 2 EQ. PLATFORM RCP

1/8" = 1'-0"





No.	Description	Date
A1	ADDENDUM 1	12.22.2021

**ROOF GENERAL NOTES:**

- SEE ROOF SYSTEM NOTES FOR MINIMUM AND AVERAGE INSULATION VALUES.
- TAPERED INSULATION SHOP DRAWING APPROVAL SHALL INCLUDE REVIEW OF DRAIN AND SCUPPER LOCATIONS IN RELATION TO STRUCTURAL AND MEP SYSTEM COMPONENTS, INCLUDING, BUT NOT LIMITED TO: ROOF TOP EQUIPMENT, DUCTWORK, ROOF LEADER RUNS, LIGHTING, PIPING AND CONDUIT. PRIOR TO INSTALLATION OF DRAINS AND EQUIPMENT COORDINATE A WALK THROUGH WITH A/E AND APPLICABLE SUBCONTRACTORS TO CONFIRM CONDITIONS. ADJUSTMENTS TO DRAIN AND EQUIPMENT RELOCATIONS SHALL BE COORDINATED WITH A/E AT THAT TIME.
- VERIFY ROOF EQUIPMENT AND PENETRATIONS WITH ALL TRADES. EQUIPMENT SHOWN IS GRAPHIC ONLY.
- ROOF PENETRATIONS FOR DRAINS, VENTS, ETC. SHALL BE COMPLETED AS PER CURRENT SMACNA REQUIREMENTS AND THE ROOF MANUFACTURERS APPROVED DETAILS FOR WARRANTY SATISFACTION. COORDINATE QUANTITY AND LOCATIONS WITH MEP CONTRACTOR. PROVIDE CURBS WHERE REQUIRED.
- ALL METAL ROOF AND FLASHING, SHALL MEET CURRENT SMACNA REQUIREMENTS AND MANUFACTURERS SPECIFIED WARRANTY.
- WHERE MEMBRANE IS SHOWN OVER TOP OF WALL EXTEND DOWN OPPOSITE SIDE AND SECURE TO BLOCKING.
- TOP OF WALL BLOCKING SHOWN IS GRAPHIC. PROVIDE BLOCKING THAT SHALL BE ANCHORED TO WALL BELOW AS RECOMMENDED BY ROOFING SYSTEM MANUFACTURER TO WITHSTAND WIND UPLIFT. AS STATED IN CODE. TOP OF WALLS SHALL SLOPE TOWARDS ROOF.
- INSTALL BOND BREAK BETWEEN ALL WOOD BLOCKING AND CMU OR CONCRETE.
- WHERE ROOF DRAINS PENETRATE ABOVE ROOMS W/ NO CEILING CARE SHALL BE TAKEN TO ENSURE NEAT CUTS IN THE DECK AND PIPING/INSULATION SHALL BE CUT AND ANCHORED NEATLY @ RIGHT ANGLES TO STRUCTURE.
- AT INTERSECTION OF ROOF INSULATION WITH VERTICAL SURFACES FILL ALL VOIDS AT INSULATION TERMINATION WITH EXPANDING FOAM INSULATION.

**ROOF SYSTEM DESCRIPTIONS:**

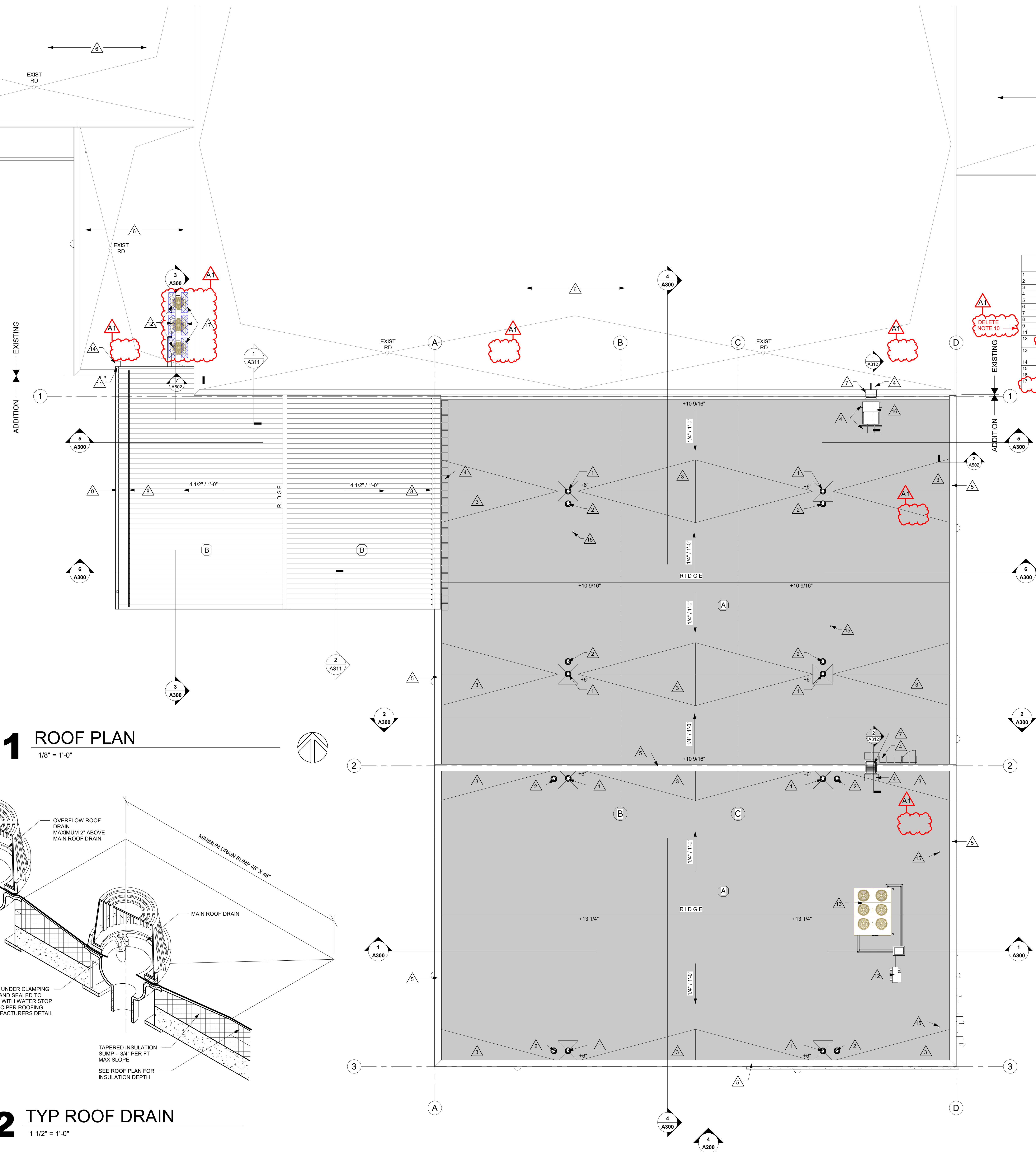
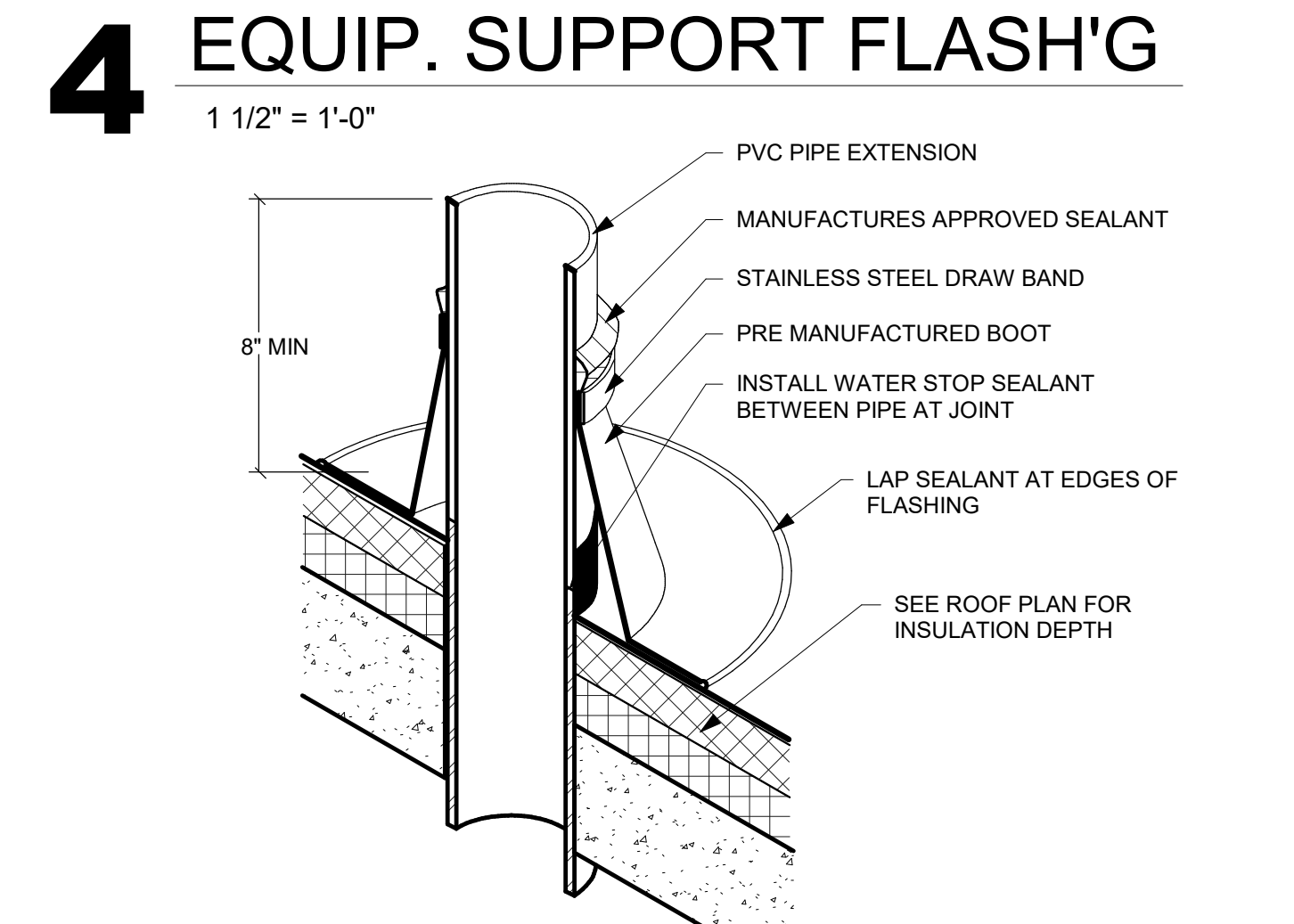
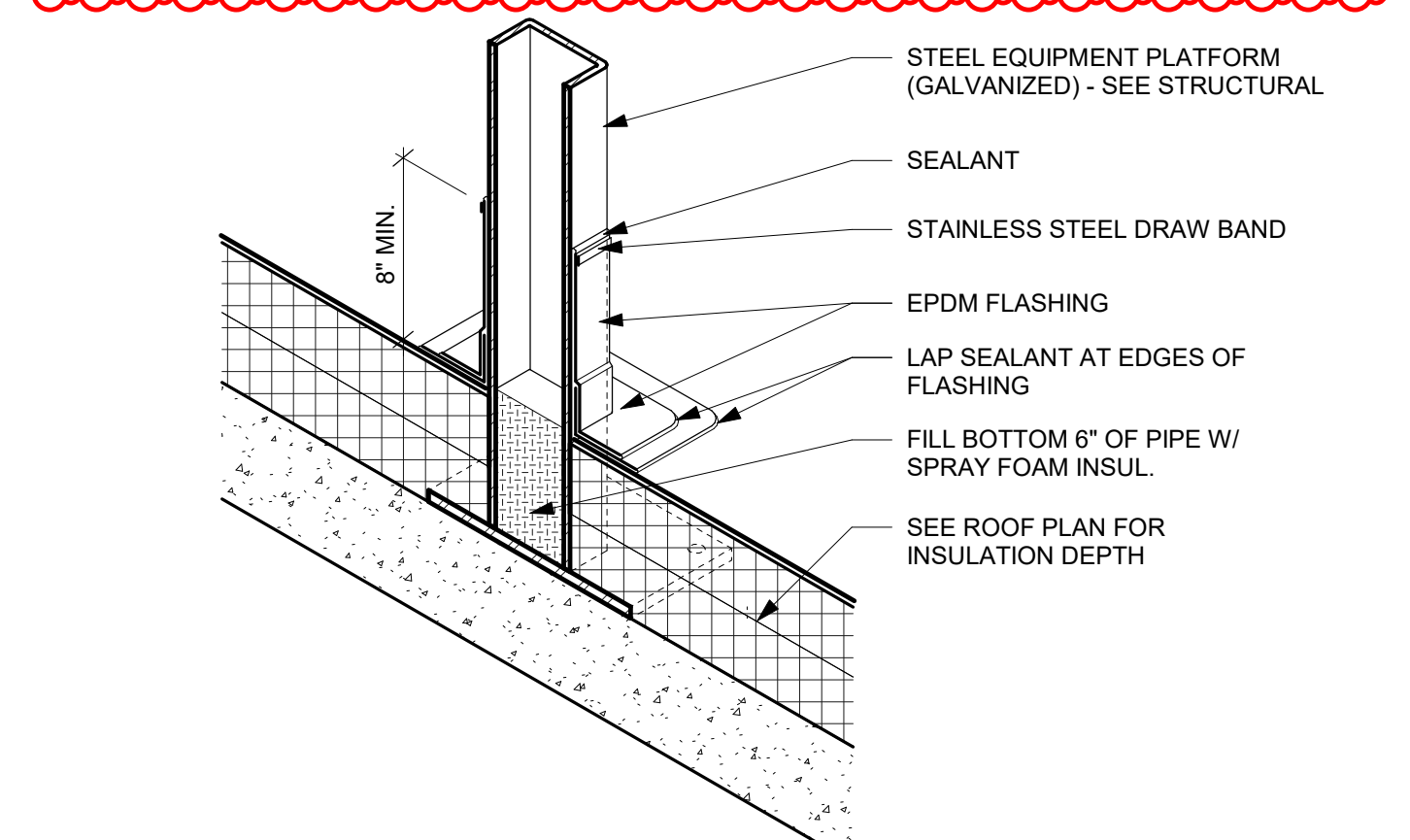
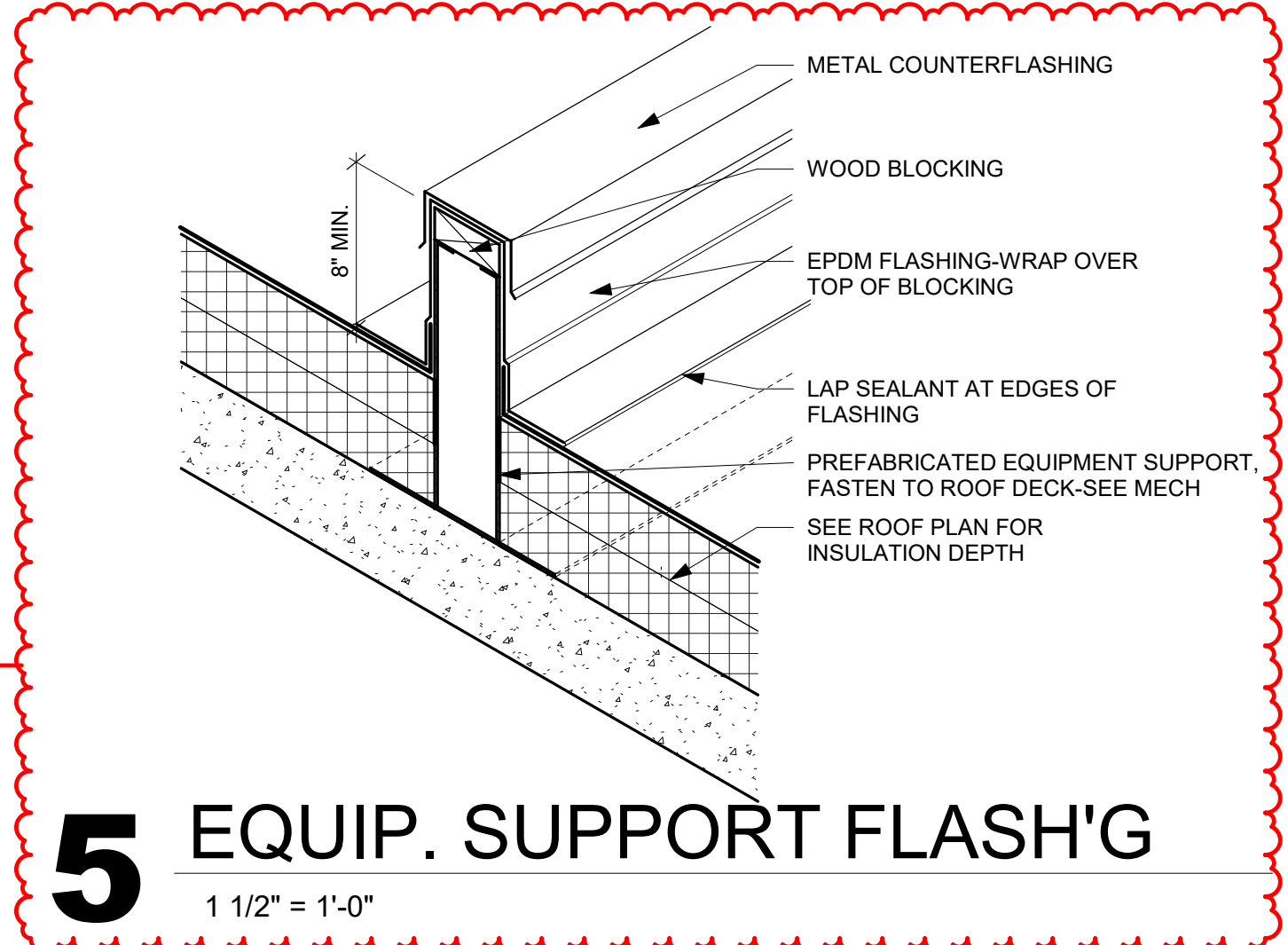
- ADHERED, SINGLE MEMBRANE EPDM ROOFING SYSTEM ON 1/4" PER FOOT TAPERED POLYISOCYANURATE INSULATION SYSTEM CONSISTING OF TAPERED INSULATION OVER MINIMUM 6" BASE LAYER. ADHERE INSULATION OVER SELF ADHERED RETARDER OVER CONCRETE DECK. VAPOR RETARDER SHALL BE TAPED AND SEALED AT FULL PERIMETER AND PENETRATIONS INCLUDE OVERLAPPED SEAMS. INSTALL REQUIRED THICKNESS TO MEET AVERAGE R-VALUE OF 27.5
- STANDING SEAM METAL ROOF SYSTEM OVER WATERPROOFING MEMBRANE ON 5/8" PLYWOOD OVER 6" BASE LAYER OF POLYISOCYANURATE INSULATION. METAL DECK AND SLOPED STRUCTURE. OPTION - IN LIEU OF PLYWOOD, INSTALL BEARING PLATES AT ROOF PANEL CLIP LOCATIONS PER ROOFING MANUFACTURERS REQUIREMENTS. MINIMUM R-VALUE OF R-36

**ROOF EQUIPMENT LEGEND:**

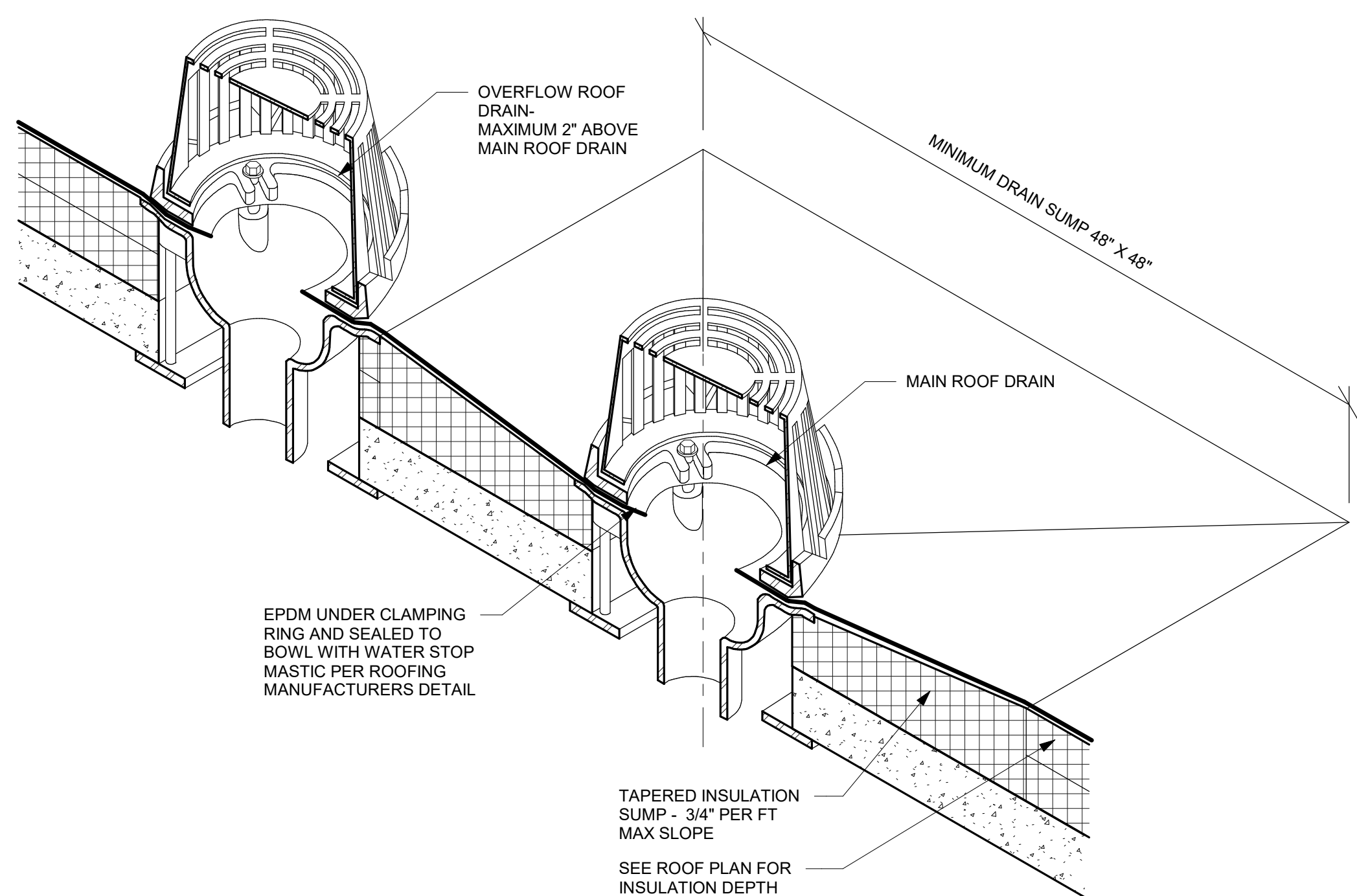
- AIR COOLED CONDENSING UNIT-SEE MECHANICAL.
- PLUMBING VENT-SEE PLUMBING.
- RD = ROOF DRAIN WITH 4" SQUARE SUMP. INSTALL TO MEET ROOF WARRANTY REQUIREMENT - SEE PLUMBING

**KEY NOTES ROOF**

- ROOF DRAIN - SEE DETAIL 2/A120
- OVERFLOW ROOF DRAIN - SEE DETAIL 2/A120
- TAPERED INSULATION CRICKET
- WALKWAY PADS
- PREFINISHED SHEET METAL COPING
- EXISTING BALLASTED MEMBRANE ROOF TO REMAIN
- ROOF ACCESS LADDER
- STANDING SEAM MOUNTED SNOW GUARD
- ALUM GUTTER AND DOWNSPOUT
- CHUTE TO DRAIN ONTO EXISTING ROOF
- MECHANICAL EQUIPMENT ON SUPPORT RAILS - SEE 5/A120, STRUCTURAL AND MECHANICAL
- MECHANICAL EQUIPMENT ON STEEL SUPPORT PLATFORM-SEE 4/A120, MECHANICAL AND STRUCTURAL
- NEW SPLASHPOOL ON EXISTING ROOF
- PLUMBING VENT - SEE DETAIL 3/A120
- NON-PENETRATING ROOF MOUNTED ACCESS PLATFORM, 36" WIDE
- PATCH EXISTING BALLASTED EPDM ROOF AT NEW MECHANICAL SUPPORTS - SEE 5/A120, STRUCTURAL AND MECHANICAL



**1 ROOF PLAN**  
1/8" = 1'-0"



**2 TYP ROOF DRAIN**  
1 1/2" = 1'-0"

**3 PIPE FLASHING**  
3/8" = 1'-0"

**4 EQUIP. SUPPORT FLASH'G**  
1 1/2" = 1'-0"

**5 EQUIP. SUPPORT FLASH'G**  
1 1/2" = 1'-0"





HSR ASSOCIATES INC.  
100 MILWAUKEE STREET  
LA CROSSE, WISCONSIN  
PHONE: 608.784.1830  
FAX: 608.782.5844  
www.hsrassociates.com

Consultant:

ABBOTSFORD SCHOOL DISTRICT  
FEMA ADDITION

Project Location: 510 WEST HEMLOCK STREET  
ABBOTSFORD, WISCONSIN

Sheet Title: EXTERIOR ELEVATIONS

Project Title:

HSR Project Number:  
21027

Project Date:  
DECEMBER 2021

Drawn By:  
DJH

Key Plan:

BID DOCUMENTS

No.	Description	Date
A1	ADDENDUM 1	12.22.2021

Graphic Scale:  
VARIES

Last Update:  
12/22/2021 2:43:55 PM

A200

#### ELEVATION GENERAL NOTES:

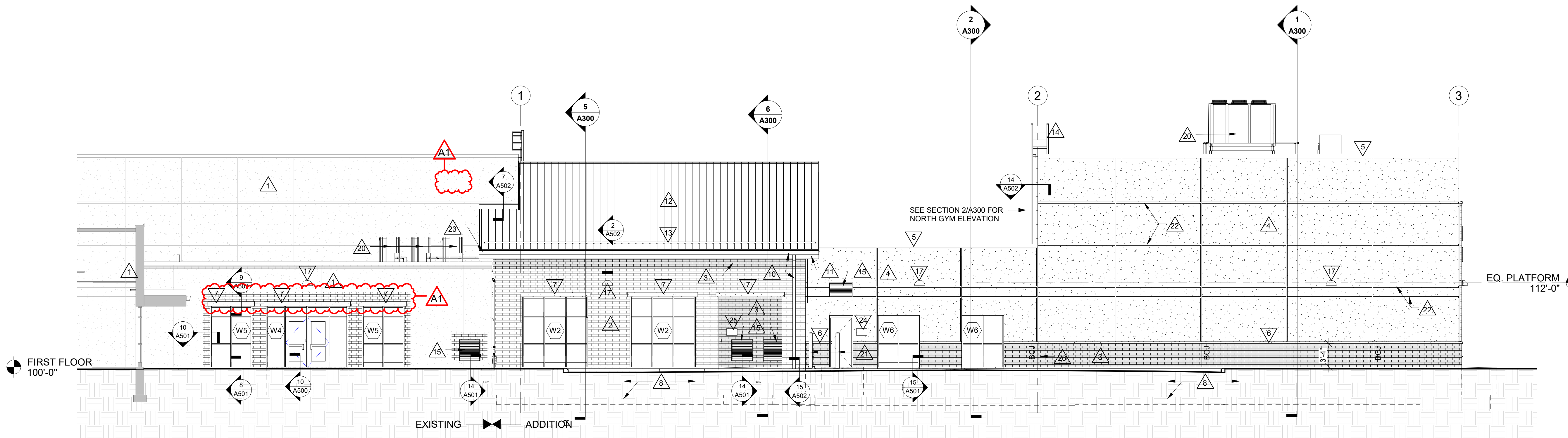
- A. SEE DETAILS A501 FOR CONTROL JOINT (CJ) AND BRICK CONTROL JOINT (BCJ) INFORMATION.  
B. BRICK COURSING: 1/3 RUNNING BOND TYPICAL.

#### ELEVATION LEGEND:

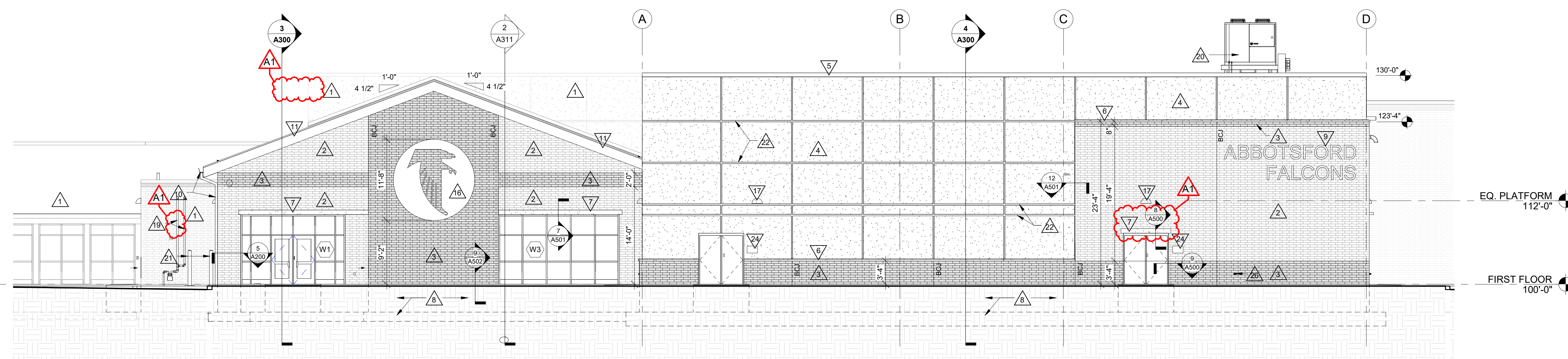
- KEYNOTE TAG  
WINDOW TAG - SEE SHEET A601 FOR FRAME ELEVATIONS  
BCJ: BRICK VENEER CONTROL JOINT - SEE DETAILS A601  
FACE BRICK - COLOR A  
FACE BRICK - COLOR B  
PRECAST CONC PANEL

#### KEY NOTES ELEVATION

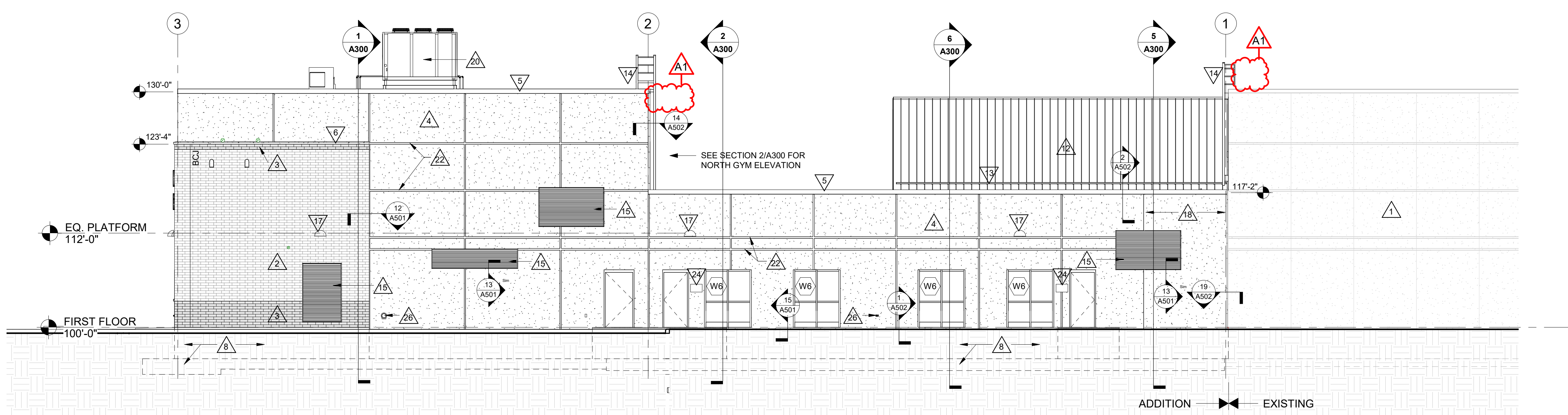
- EXISTING BUILDING
- FACE BRICK VENEER - COLOR A
- FACE BRICK VENEER - COLOR B
- PRECAST CONCRETE WALL PANEL
- PREFINISHED METAL WALL CAP
- CAST STONE CAP
- CAST STONE
- CONCRETE FOUNDATION AND FOOTING - SEE STRUCTURAL
- 24" ALUM LETTER BUILDING SIGNAGE
- ALUM GUTTER AND OPEN-FACED DOWNSPOUT
- PREFINISHED METAL FASCIA
- STANDING SEAM METAL ROOFING
- STANDING SEAM MOUNTED SNOW GUARD
- ROOF ACCESS LADDER
- MECHANICAL LOUVER - SEE MECHANICAL
- SIGNAGE - SEE 4/A200
- LIGHT FIXTURE - SEE ELECTRICAL
- REDUCE DEPTH OF OUTER WYTHE ON THIS PRECAST CONC PANEL BY TYPICAL REVEAL DEPTH
- EXPOSED GAS PIPE (PAINT) - SEE PLUMBING
- MECHANICAL EQUIPMENT - SEE MECHANICAL
- BOLLARD - SEE CIVIL
- PRECAST CONC PANEL REVEALS - MATCH SIZE AND ALIGN W/ EXISTING GYM BUILDING
- DRAIN GUTTER ONTO EXISTING ROOF BELOW
- TORNADO SAFE ROOM SIGN - SEE 1/A601
- TORNADO SAFE ROOM LOCATION SIGN - SEE 2/A601
- PLUMBING FIXTURE - SEE PLUMBING



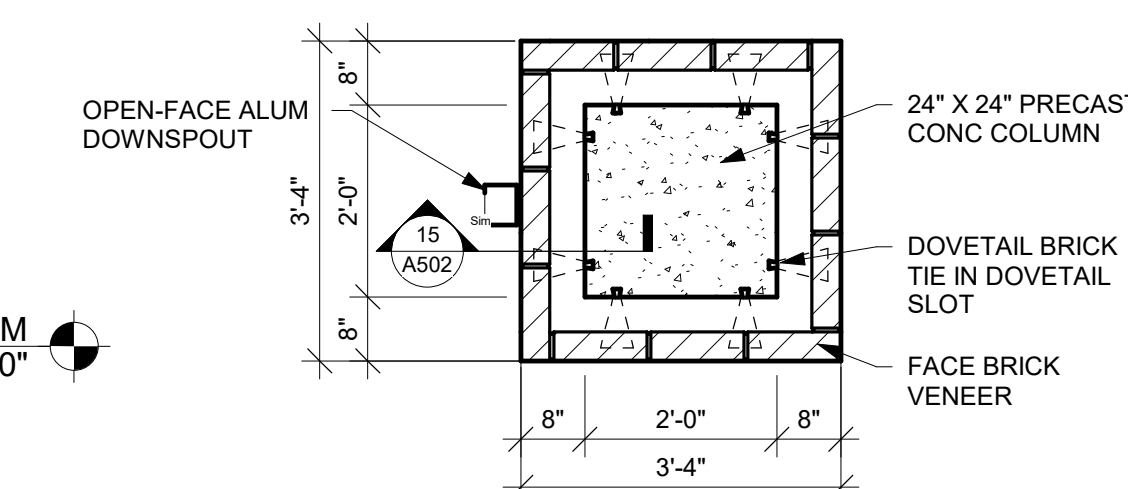
3 WEST ELEVATION  
1/8" = 1'-0"



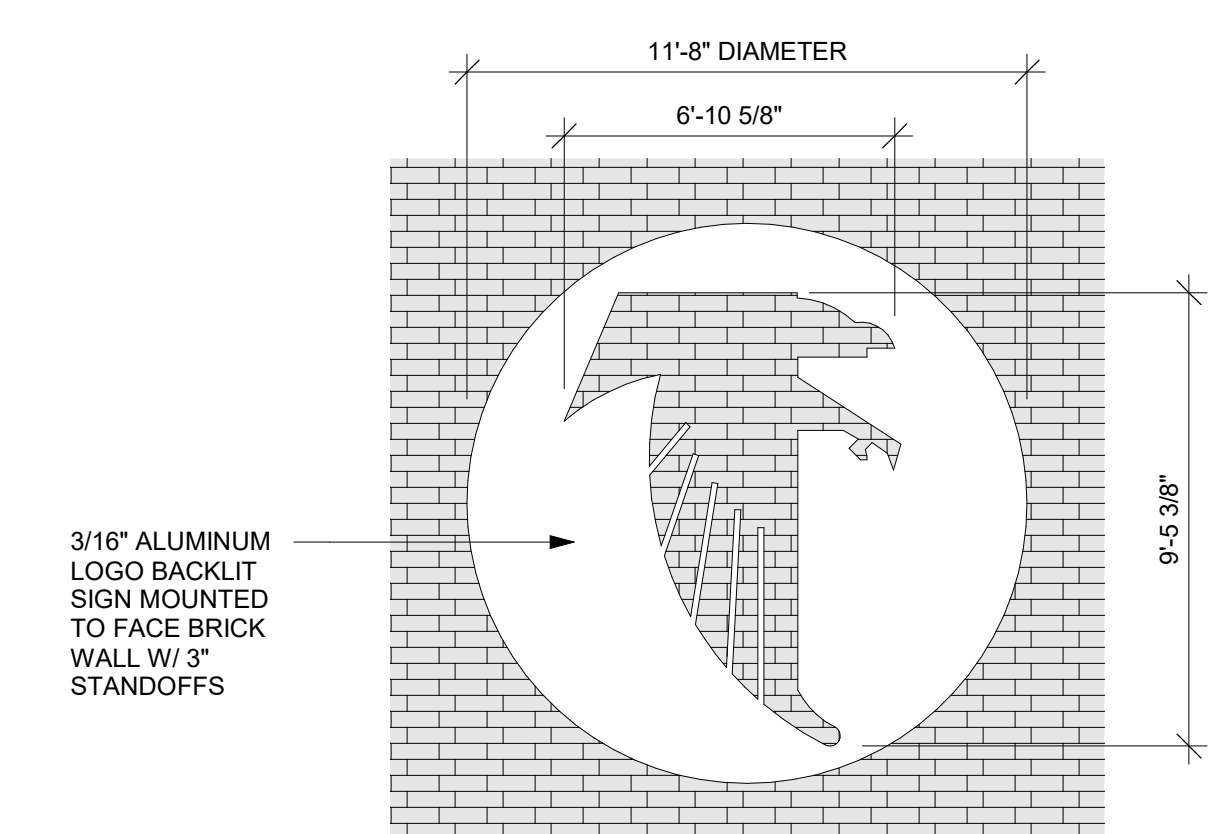
2 SOUTH ELEVATION  
1/8" = 1'-0"



1 EAST ELEVATION  
1/8" = 1'-0"



5 COLUMN DETAIL  
1/2" = 1'-0"



4 SOUTH ELEVATION SIGN  
1/4" = 1'-0" ALTERNATE BID



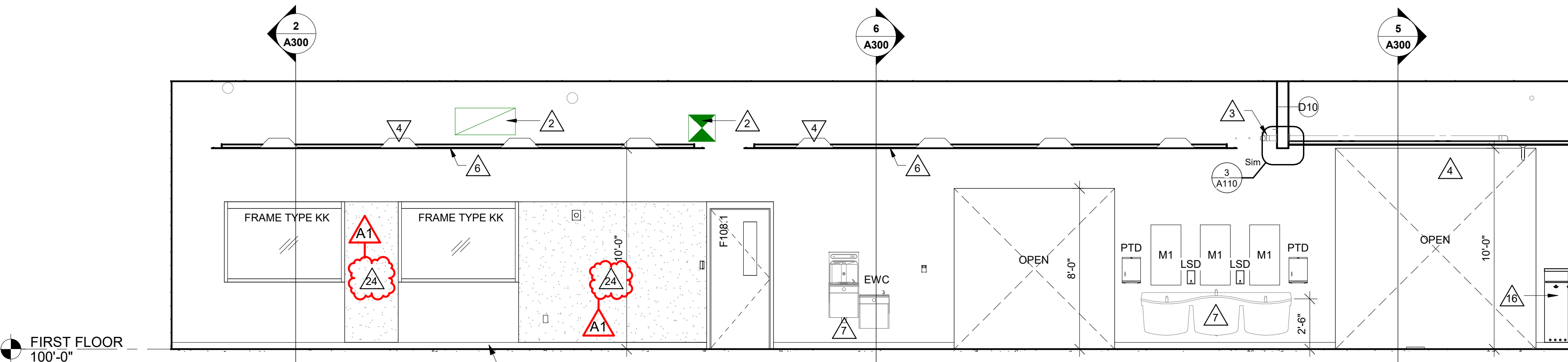
- CASEWORK GENERAL NOTES:**
- CASEWORK MANUFACTURER SHALL FIELD VERIFY ALL CASEWORK DIMENSIONS & CONDITIONS PRIOR TO FABRICATION OF CASEWORK.
  - PROVIDE FINISHED END PANELS AT ALL KNEE SPACE, ALCOVES, AND EXPOSED CABINET ENDS.
  - INSTALL 1-1/2" WOOD BLOCKING BETWEEN STUDS FOR CASEWORK MOUNTING AT TOP AND BOTTOM OF ALL WALL CABINETS AND AT TOP OF ALL BASE CABINETS.
  - ALL BASE CABINET KICKS, ALCOVES, KNEE SPACE AND END PANELS SHALL RECEIVE BASE UNLESS OTHERWISE NOTED. SEE MASTER COLOR SCHEDULE FOR SIZE AND COLOR.
  - SEAL EDGE OF COUNTER/BACKSPLASH TO ALL WALL LOCATIONS W/ CLEAR SEALANT.
  - PROVIDE CORD GROMMETS AT ALL WORK STATIONS - COORDINATE W/ OWNER FOR LOCATIONS.
  - REFER TO MASTER COLOR SCHEDULE FOR PLASTIC LAMINATE SELECTIONS. ALL PLAM COUNTERTOPS TO BE PLAM-2. ALL LOWER/UPPER CASEWORK TO BE PLAM-1, UNLESS OTHERWISE NOTED.
  - INSTALL TWO MAGNETIC CATCHES FOR ALL TALL CABINETS, TOP AND BOTTOM AT EACH DOOR. TALL CABINETS WITH LOCKS SHALL ALSO HAVE AN ELBOW LATCH INSTALLED AT A CENTER FIXED SHELF. ALL OTHER SHELVES SHALL BE ADJUSTABLE.
  - WALL CABINETS SHALL BE 13 1/2" DEEP (CLEAR INSIDE) AND BASE CABINETS SHALL BE 24" DEEP UNLESS NOTED OTHERWISE. COUNTERTOPS TO EXTEND 1" BEYOND THE FINISHED EDGE OF BASE CABINET UNLESS NOTED OTHERWISE.
  - LAMINATE GRAIN TO ALIGN VERTICALLY ON ALL CASEWORK.
  - REFER TO ACCESSORY SCHEDULE ON SHEET A400.

- INT ELEVATION KEYNOTES**
- GYMNASIUM EQUIPMENT - SEE SHEET A400
  - EXPOSED DUCTWORK (PAINT) - SEE MECHANICAL
  - EXPOSED PLUMBING PIPING (PAINT) - SEE PLUMBING
  - LIGHT FIXTURE - SEE ELECTRICAL
  - LOUVER/GRILLE - SEE MECHANICAL
  - ACOUSTIC TILE CEILING CLOUD W/ PERIMETER TRIM - SEE SPEC
  - PLUMBING FIXTURE - SEE PLUMBING
  - PLAM COUNTERTOP WITH BACKSPLASH/SIDESPLASH
  - 24" DEEP PLAM BASE CABINET W/ DRAWER AND ADJ. SHELF
  - 24" DEEP PLAM SINK BASE CABINET
  - 24" DEEP PLAM BASE CABINET W/ ADJ. SHELVES
  - 15" DEEP PLAM WALL CABINET W/ ADJ. SHELVES
  - 24" DEEP PLAM STORAGE CABINET W/ FIXED CENTER DIVIDER & ADJ. SHELVES
  - 24" DEEP PLAM OPEN STORAGE CABINET W/ ADJ. SHELVES
  - 15" DEEP PLAM STORAGE CABINET W/ FIXED CENTER DIVIDER AND ADJ. SHELVES
  - PLAM DESKTOP W/ WATERFALL EDGE
  - MAP RAIL/TACK STRIP - SEE SPEC 10 11 00 VISUAL DISPLAY UNITS
  - FEMA COMPLIANT ROLLING STORM SHUTTER (SHOWN IN CLOSED POSITION)
  - MAGNETIC MARKERBOARD - SEE SHEET A001 FOR MOUNTING HEIGHT
  - TACKBOARD - SEE SHEET A001 FOR MOUNTING HEIGHT
  - SOLID CMU AT TOP COURSE
  - MOTORIZED WALL-MOUNT PROJECTION SCREEN (ALT BID) - SEE ELECTRICAL
  - PREFABRICATED CUSTOM TACKBOARD (TW-2)

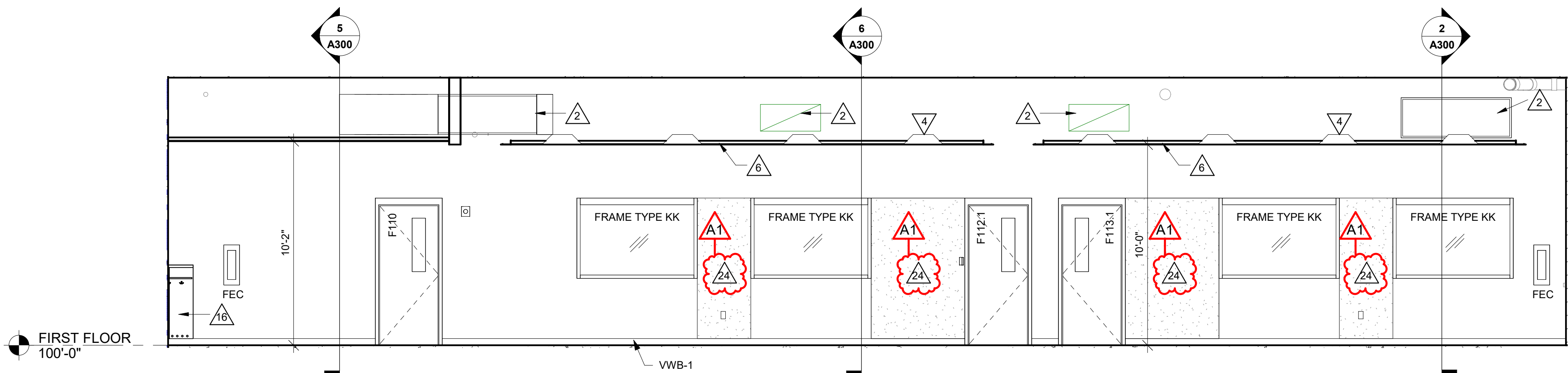
No.	Description	Date
A1	ADDENDUM 1	12.22.2021

Graphic Scale:  
0' 1' 2' 4' 6'

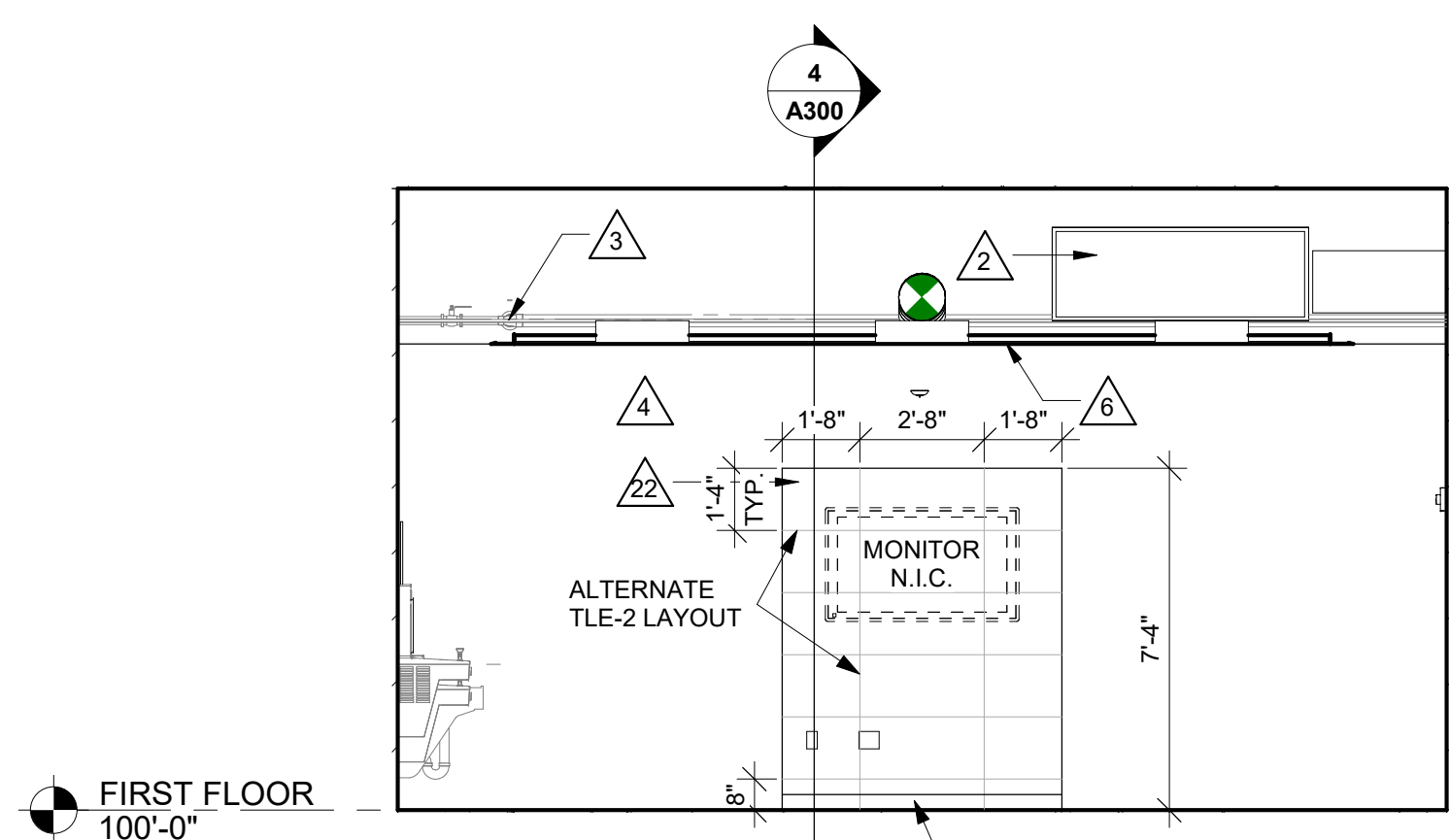
Last Update:  
**12/22/2021 11:00:58 AM**



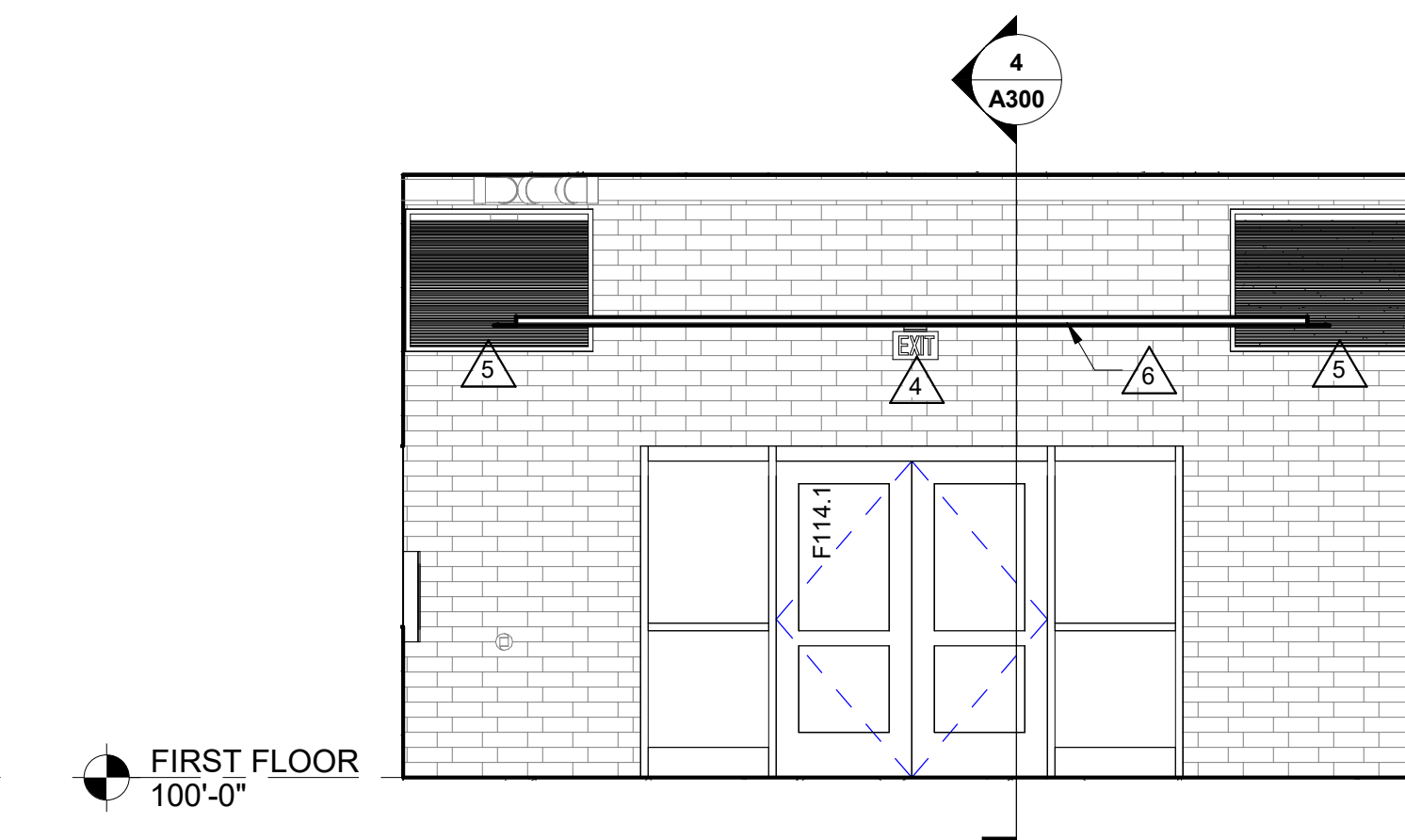
**7 INTERIOR ELEVATION**  
1/4" = 1'-0"  
ROOM F109



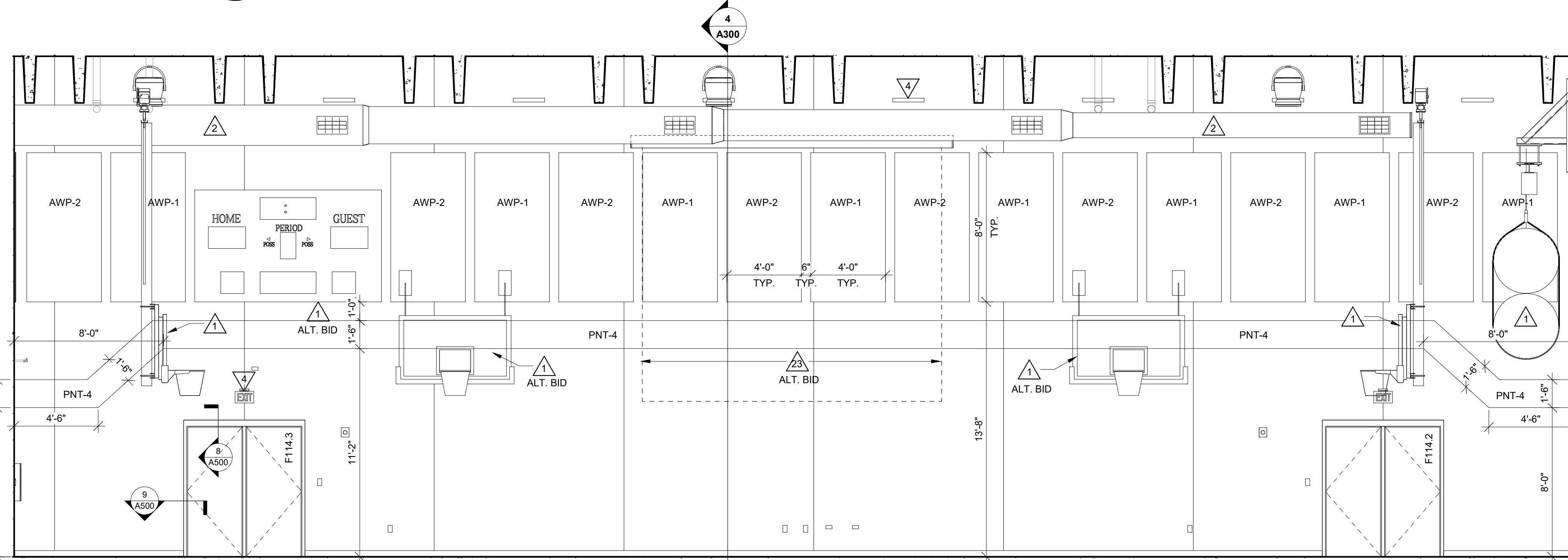
**5 INTERIOR ELEVATION**  
1/4" = 1'-0"  
ROOM F109



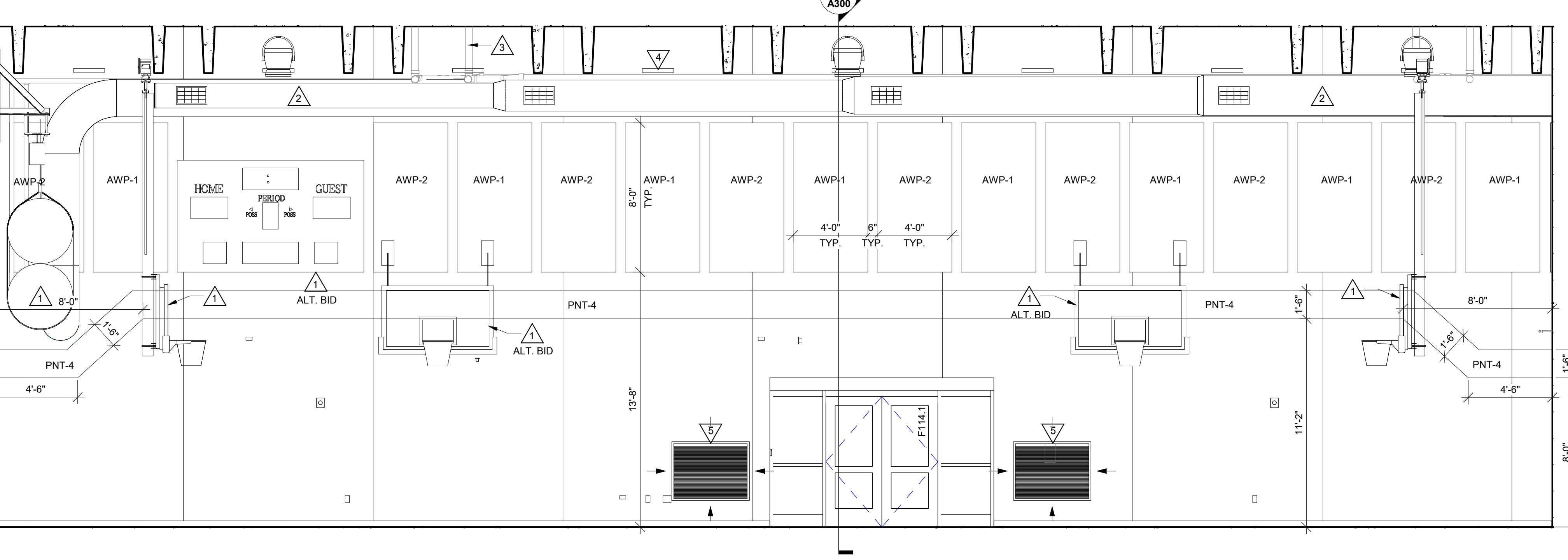
**8 INTERIOR ELEVATION**  
1/4" = 1'-0"  
ROOM F109



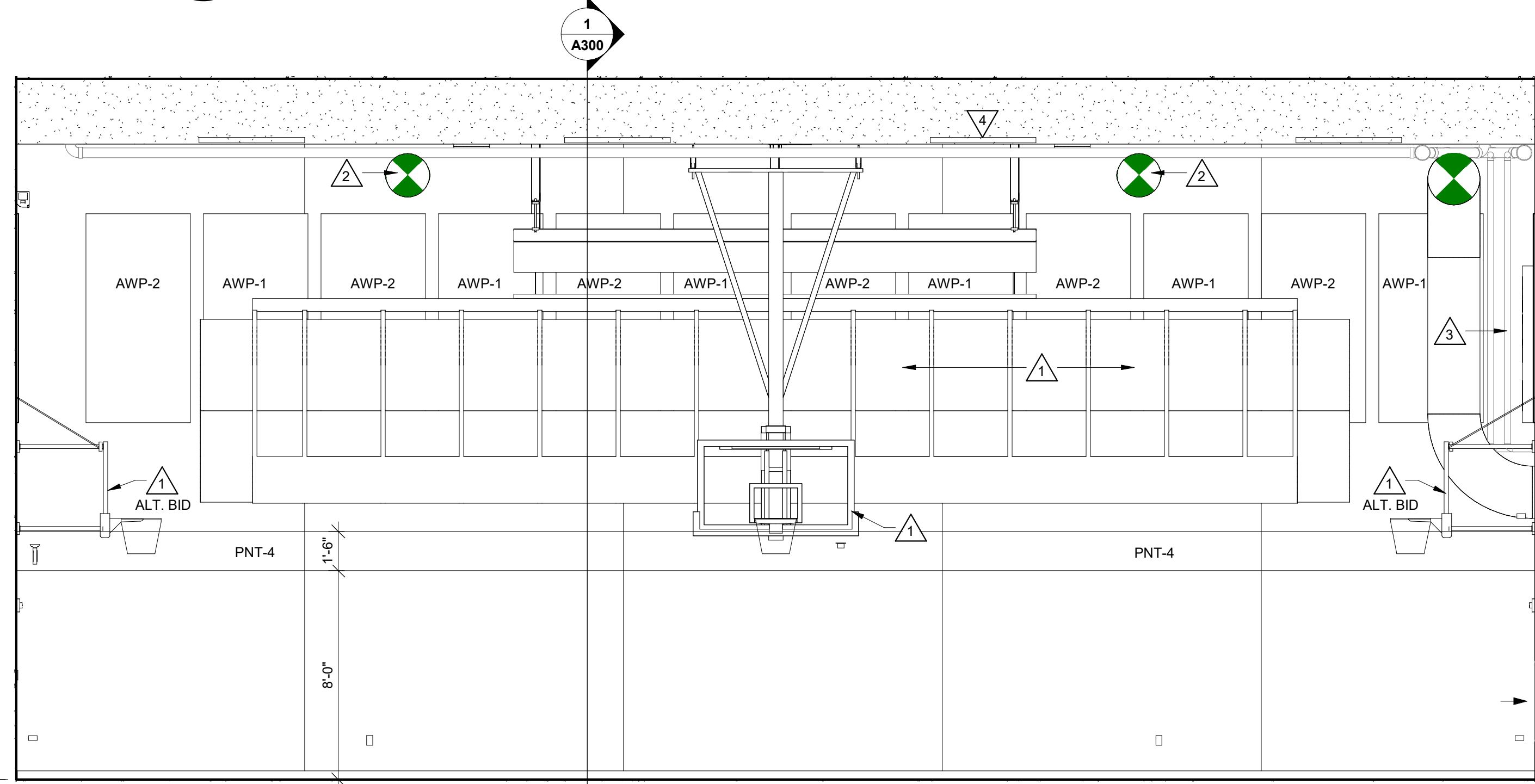
**6 INTERIOR ELEVATION**  
1/4" = 1'-0"  
ROOM F109



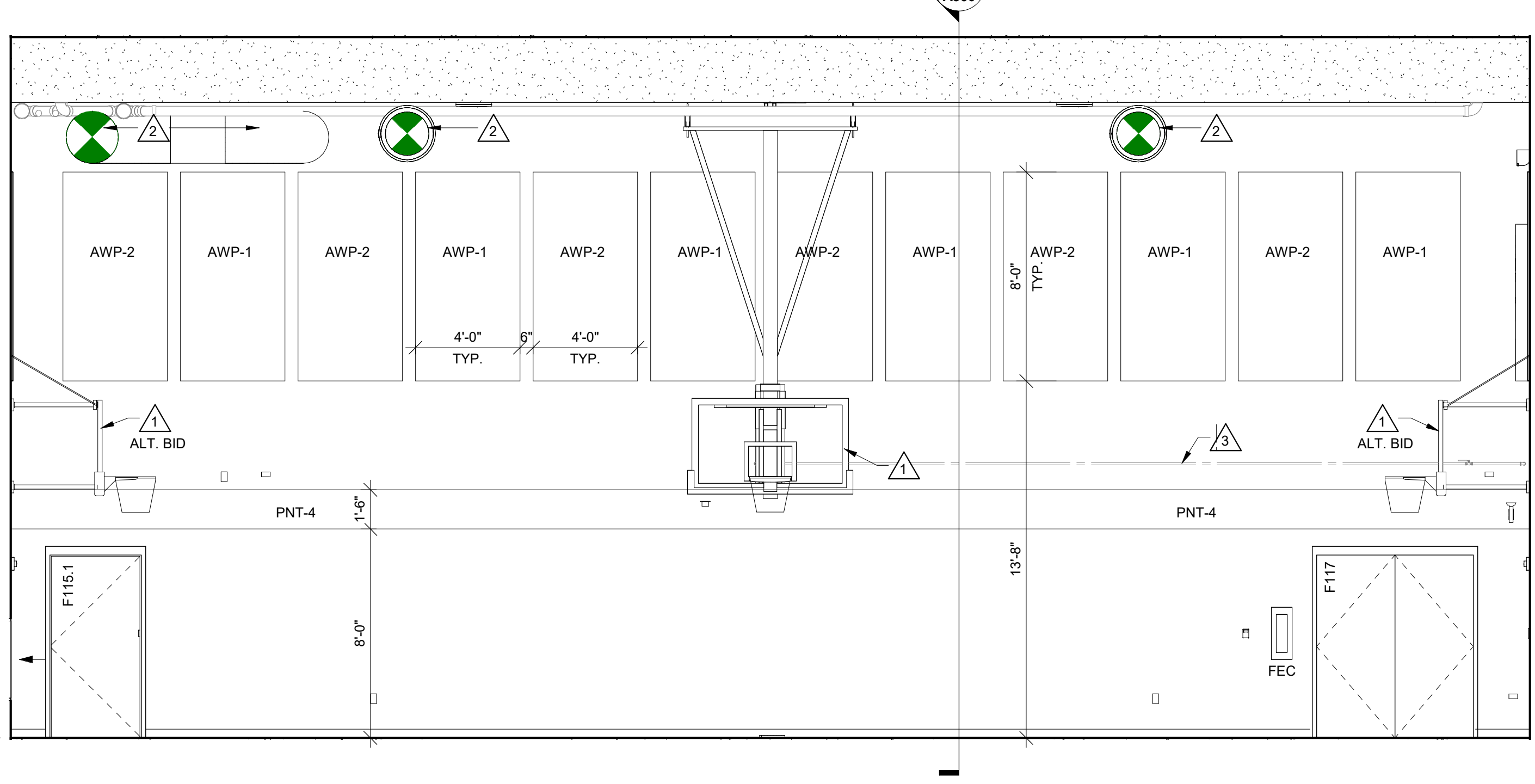
**3 INTERIOR ELEVATION**  
1/4" = 1'-0"  
ROOM F114



**1 INTERIOR ELEVATION**  
1/4" = 1'-0"  
ROOM F114



**4 INTERIOR ELEVATION**  
1/4" = 1'-0"  
ROOM F114

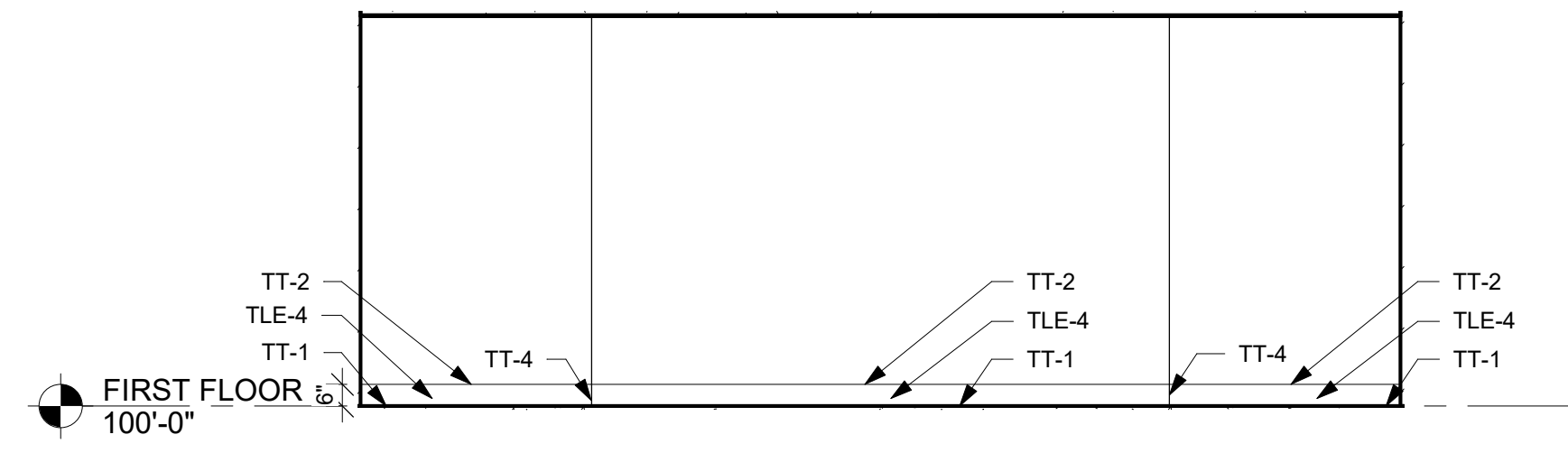


**2 INTERIOR ELEVATION**  
1/4" = 1'-0"  
ROOM F114

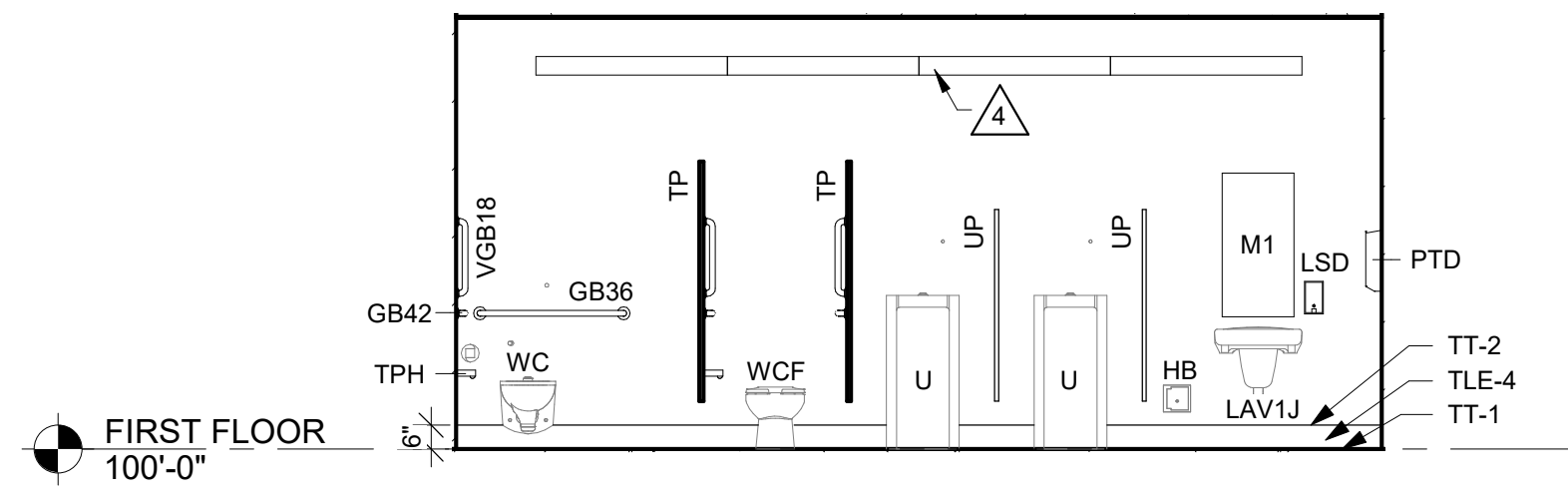




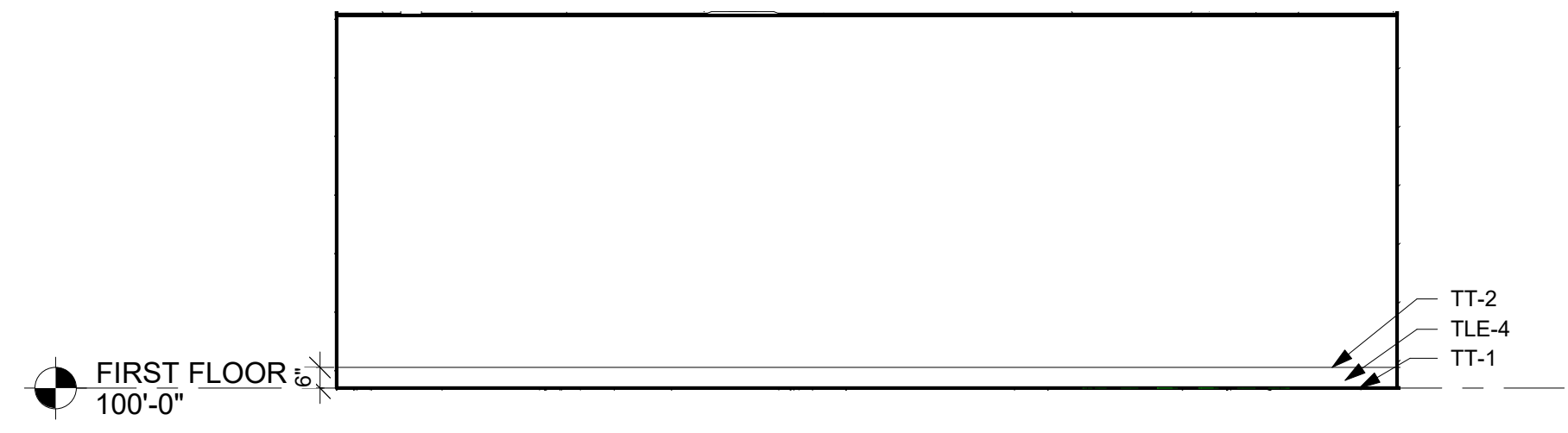




**21 INTERIOR ELEVATION**  
1/4" = 1'-0" BASE BID-ROOM F106/F107

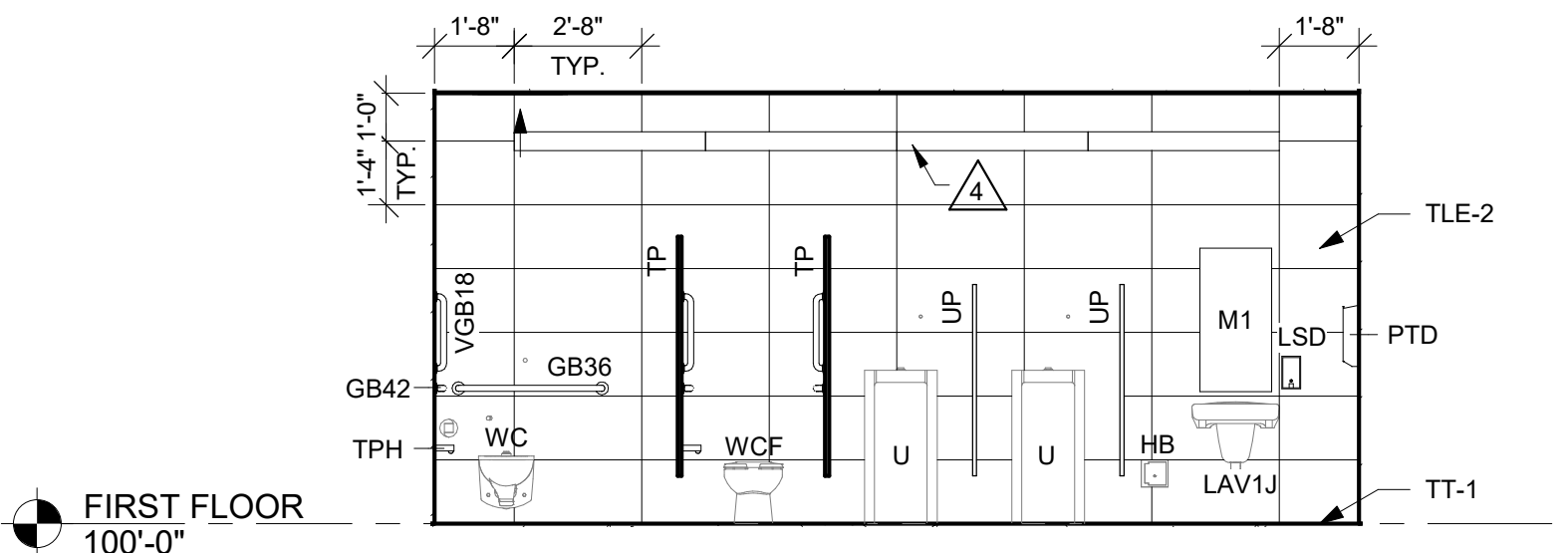


**22 INTERIOR ELEVATION**  
1/4" = 1'-0" BASE BID-ROOM F106/F107

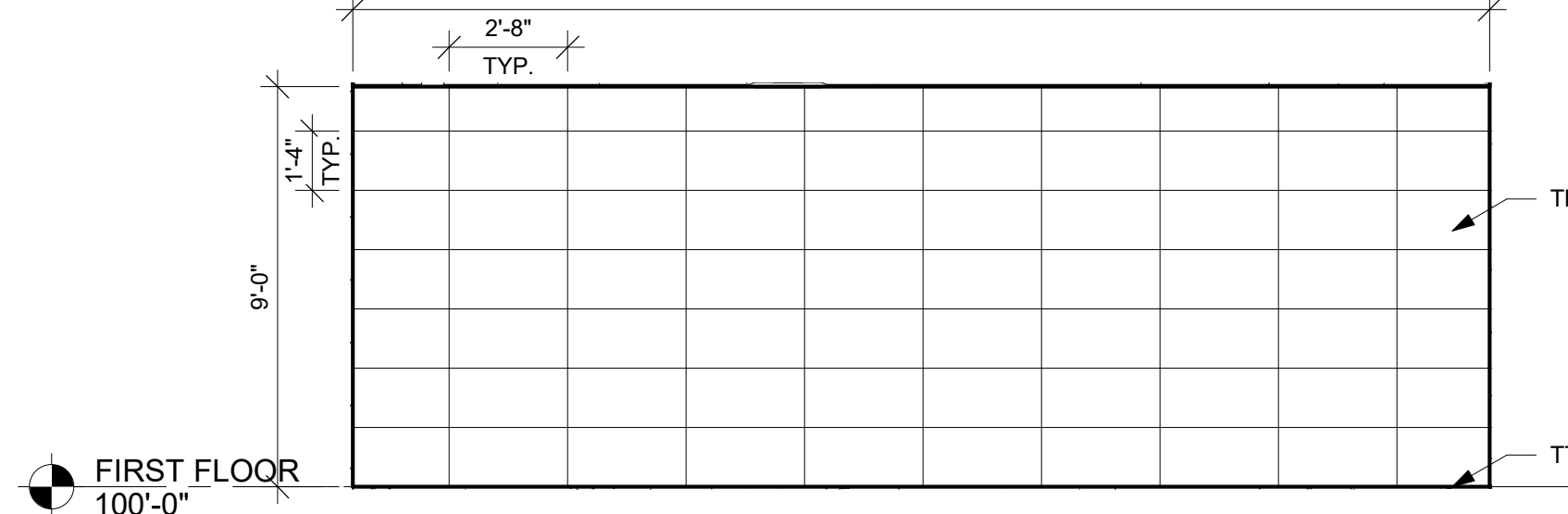


**23 INTERIOR ELEVATION**  
1/4" = 1'-0" BASE BID-ROOM F106/F107

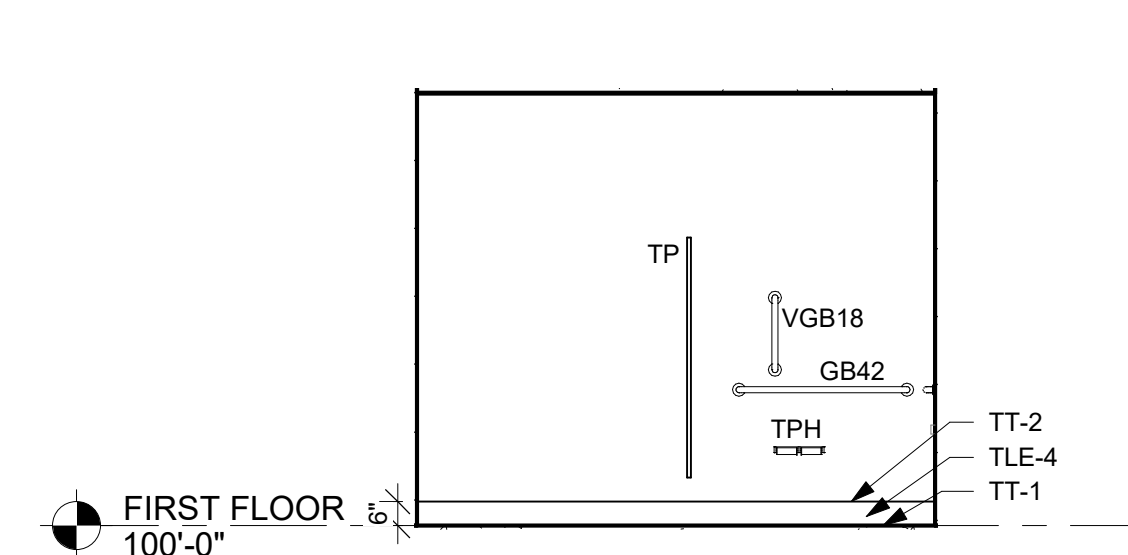
- CASEWORK GENERAL NOTES:**
- CASEWORK MANUFACTURER SHALL FIELD VERIFY ALL CASEWORK DIMENSIONS & CONDITIONS PRIOR TO FABRICATION OF CASEWORK.
  - PROVIDE FINISHED END PANELS AT ALL KNEE SPACE, ALCOVES, AND EXPOSED CABINET ENDS.
  - INSTALL 1-1/2" WOOD BLOCKING BETWEEN STUDS FOR CASEWORK MOUNTING AT TOP AND BOTTOM OF ALL WALL CABINETS AND AT TOP OF ALL BASE CABINETS.
  - ALL BASE CABINET KICKS, ALCOVES, KNEE SPACE AND END PANELS SHALL RECEIVE BASE UNLESS OTHERWISE NOTED. SEE MASTER COLOR SCHEDULE FOR SIZE AND COLOR.
  - SEAL EDGE OF COUNTER/BACKSPLASH TO ALL WALL LOCATIONS W/ CLEAR SEALANT.
  - PROVIDE CORD GROMMETS AT ALL WALL STATIONS - COORDINATE W/ OWNER FOR LOCATIONS.
  - REFER TO MASTER COLOR SCHEDULE FOR PLASTIC LAMINATE SELECTIONS. ALL PLAM COUNTERTOPS TO BE PLAM-2. ALL LOWER/UPPER CASEWORK TO BE PLAM-1, UNLESS OTHERWISE NOTED.
  - INSTALL TWO MAGNETIC CATCHES FOR ALL TALL CABINETS, TOP AND BOTTOM AT EACH DOOR. TALL CABINETS WITH LOCKS SHALL ALSO HAVE AN ELBOW LATCH INSTALLED AT A CENTER FIXED SHELF. ALL OTHER SHELVES SHALL BE ADJUSTABLE.
  - WALL CABINETS SHALL BE 13 1/2" DEEP (CLEAR INSIDE) AND BASE CABINETS SHALL BE 24" DEEP UNLESS NOTED OTHERWISE. COUNTERTOPS TO EXTEND 1" BEYOND THE FINISHED EDGE OF BASE CABINET UNLESS NOTED OTHERWISE.
  - LAMINATE GRAIN TO ALIGN VERTICALLY ON ALL CASEWORK.
  - REFER TO ACCESSORY SCHEDULE ON SHEET A400.



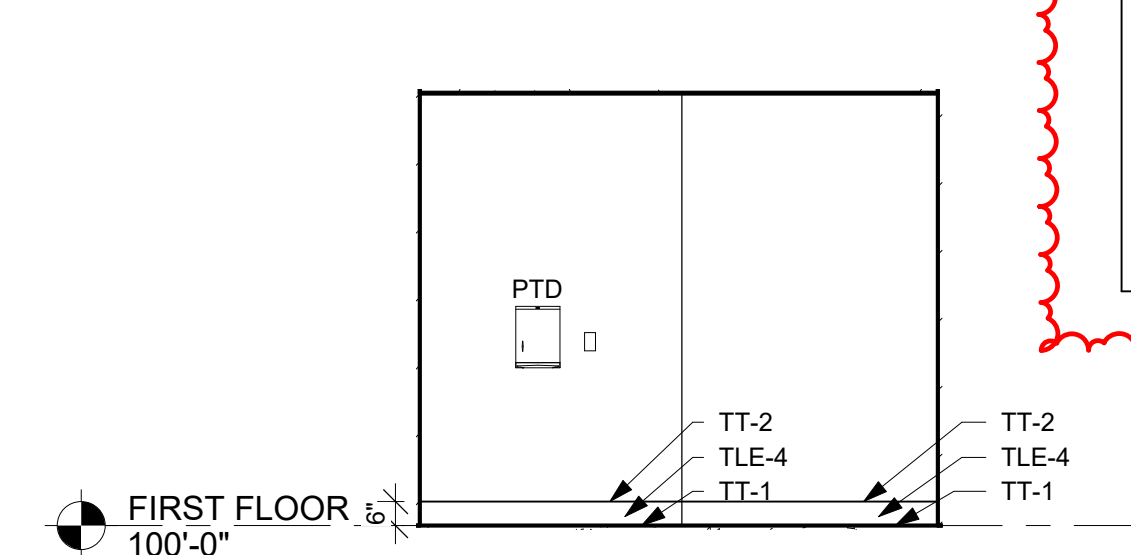
**17 INTERIOR ELEVATION**  
1/4" = 1'-0" ALT BID-ROOM F106/F107



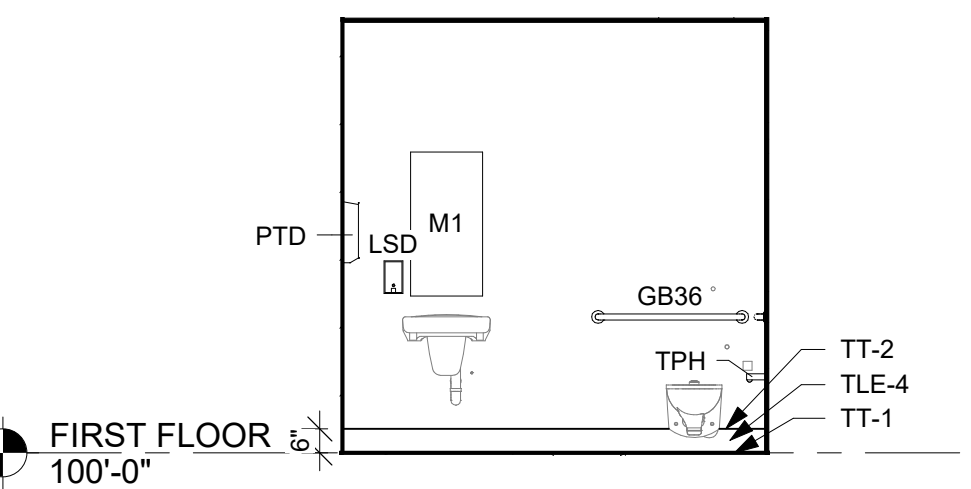
**18 INTERIOR ELEVATION**  
1/4" = 1'-0" ALT BID-ROOM F106/F107



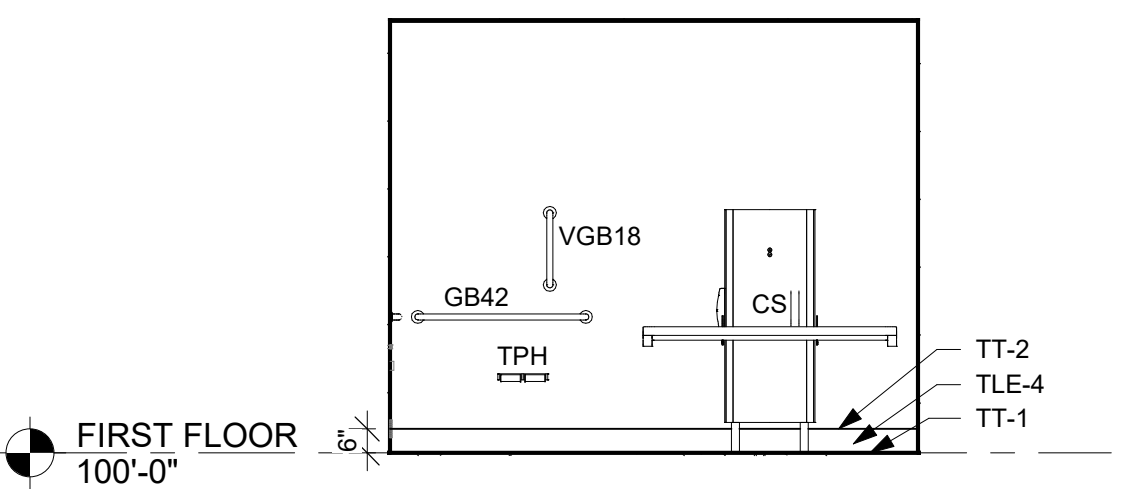
**19 INTERIOR ELEVATION**  
1/4" = 1'-0" BASE BID-ROOM F106/F107



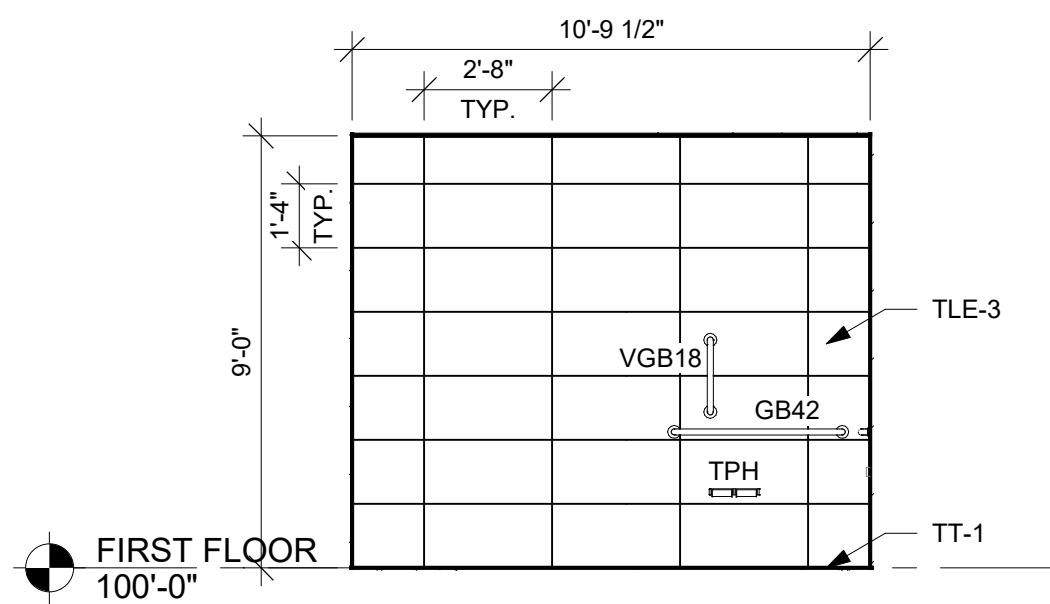
**20 INTERIOR ELEVATION**  
1/4" = 1'-0" BASE BID-ROOM F106/F107



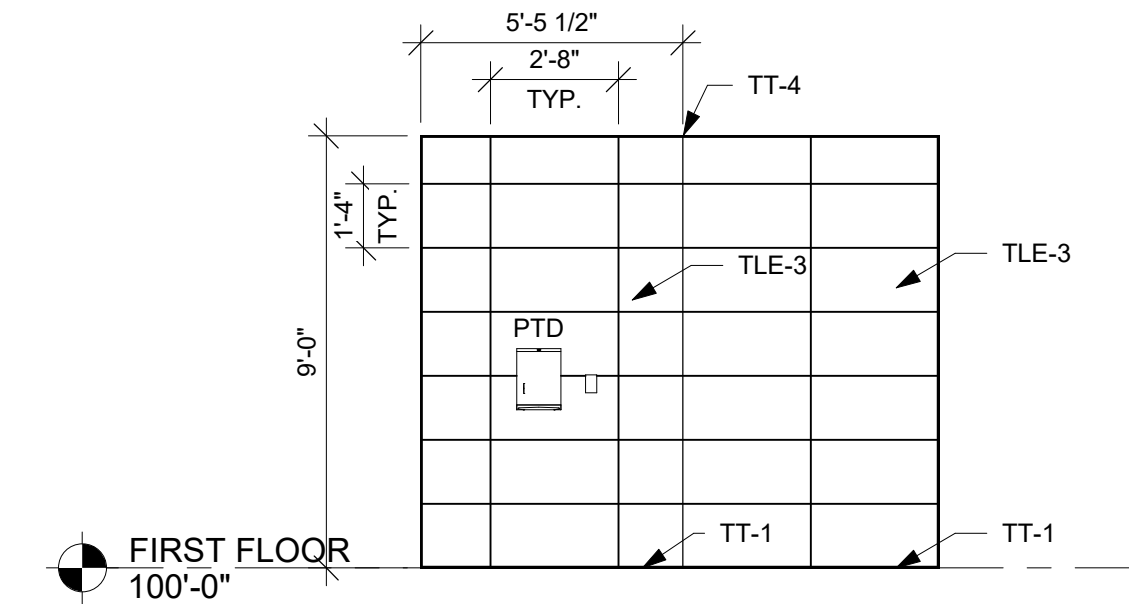
**12 INTERIOR ELEVATION**  
1/4" = 1'-0" BASE BID-ROOM F104



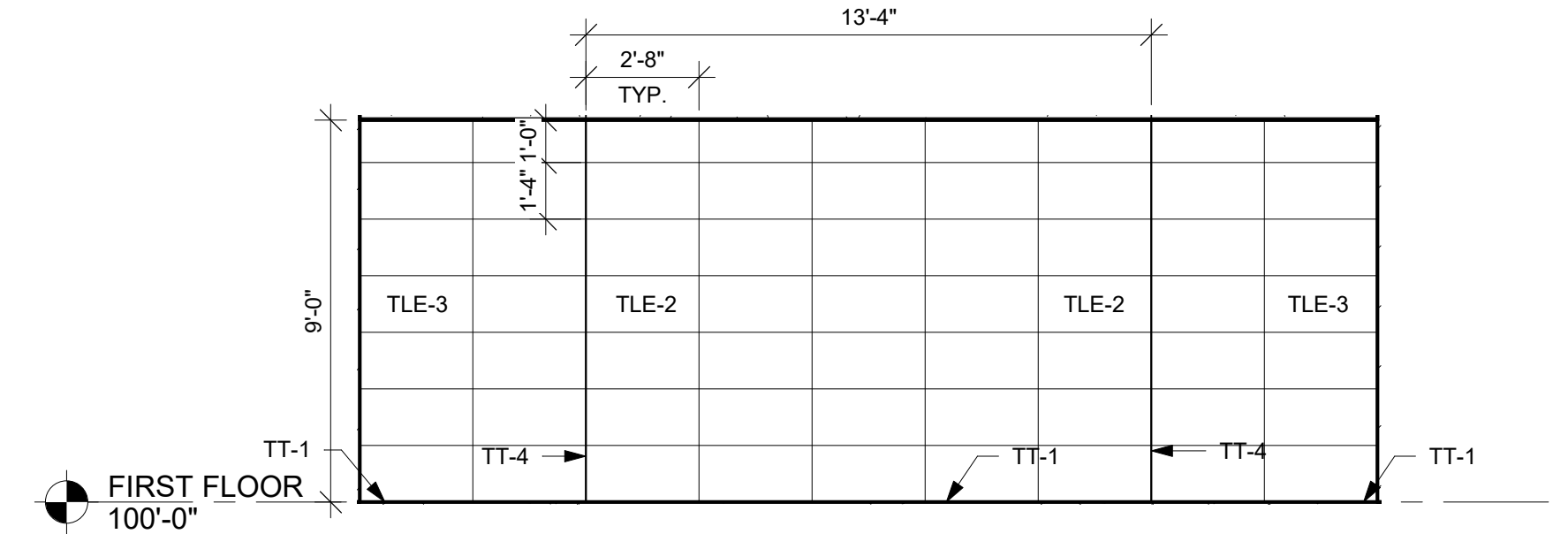
**13 INTERIOR ELEVATION**  
1/4" = 1'-0" BASE BID-ROOM F104



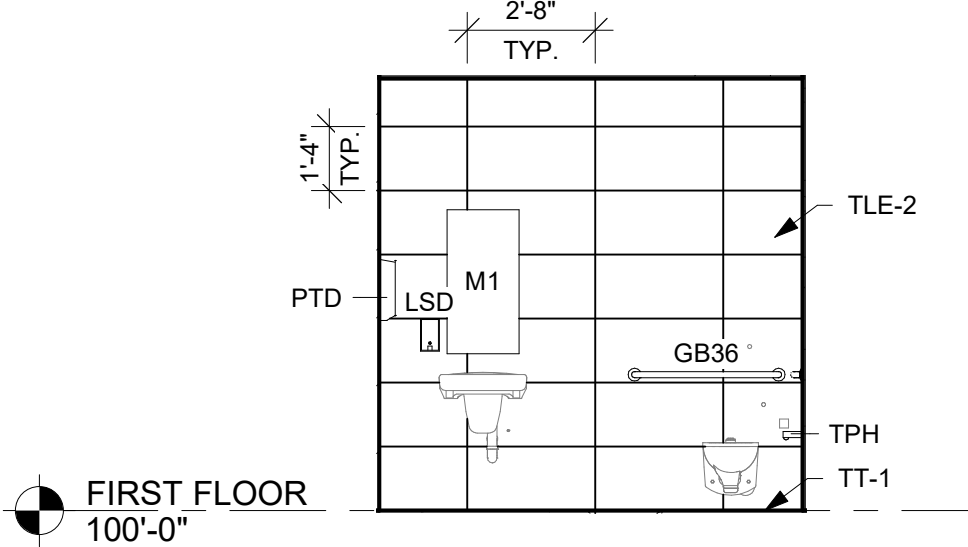
**14 INTERIOR ELEVATION**  
1/4" = 1'-0" ALT BID-ROOM F106/F107



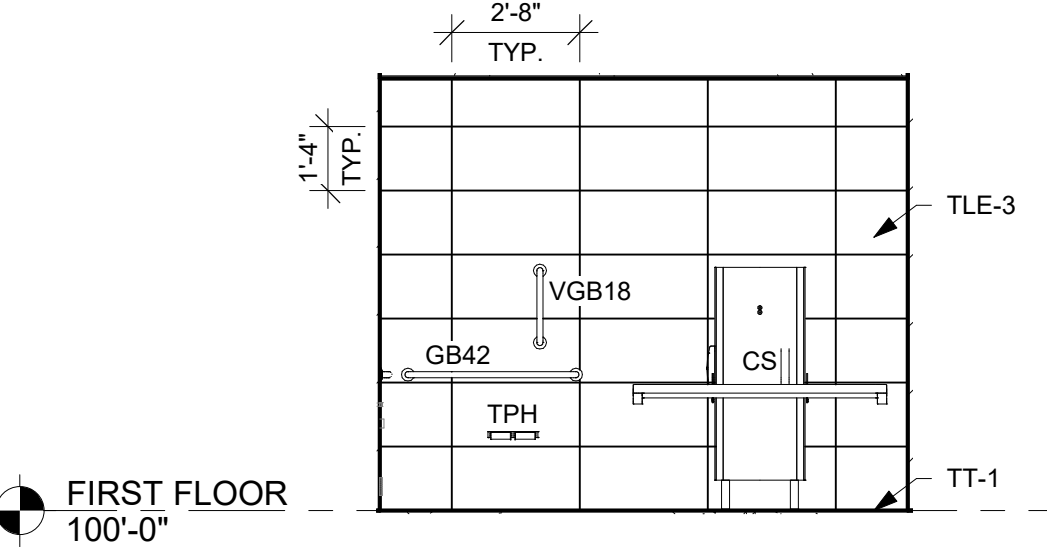
**15 INTERIOR ELEVATION**  
1/4" = 1'-0" ALT BID-ROOM F106/F107



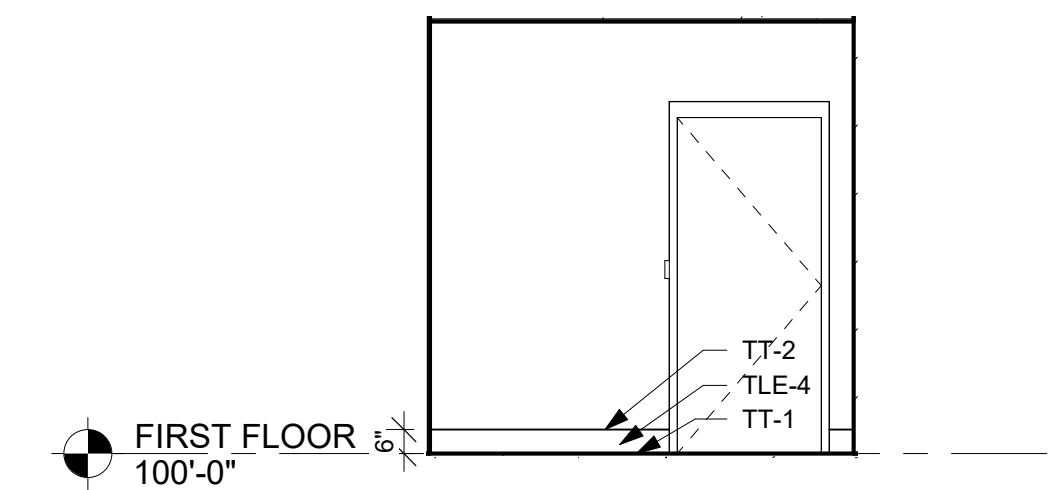
**16 INTERIOR ELEVATION**  
1/4" = 1'-0" ALT BID-ROOM F106/F107



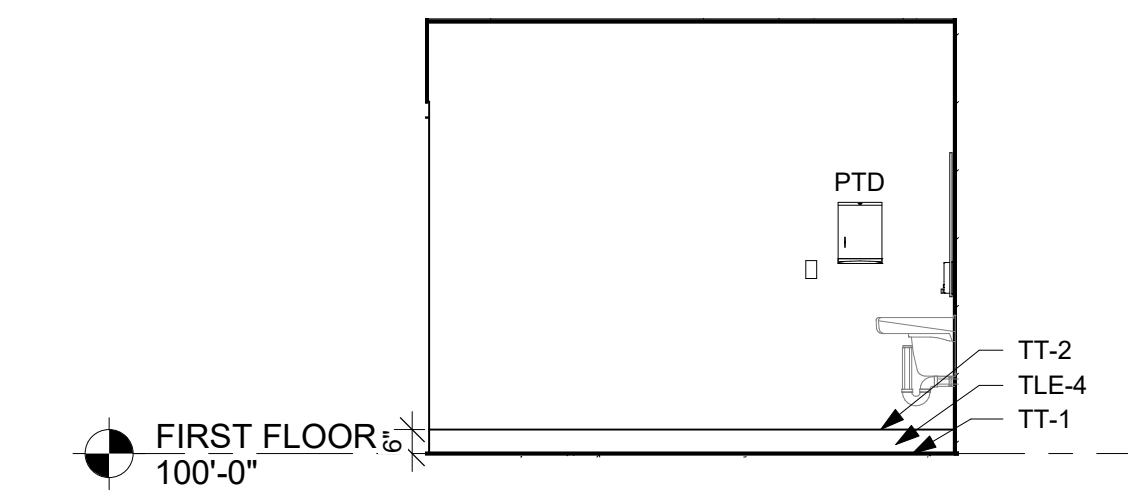
**8 INTERIOR ELEVATION**  
1/4" = 1'-0" ALT BID-ROOM F104



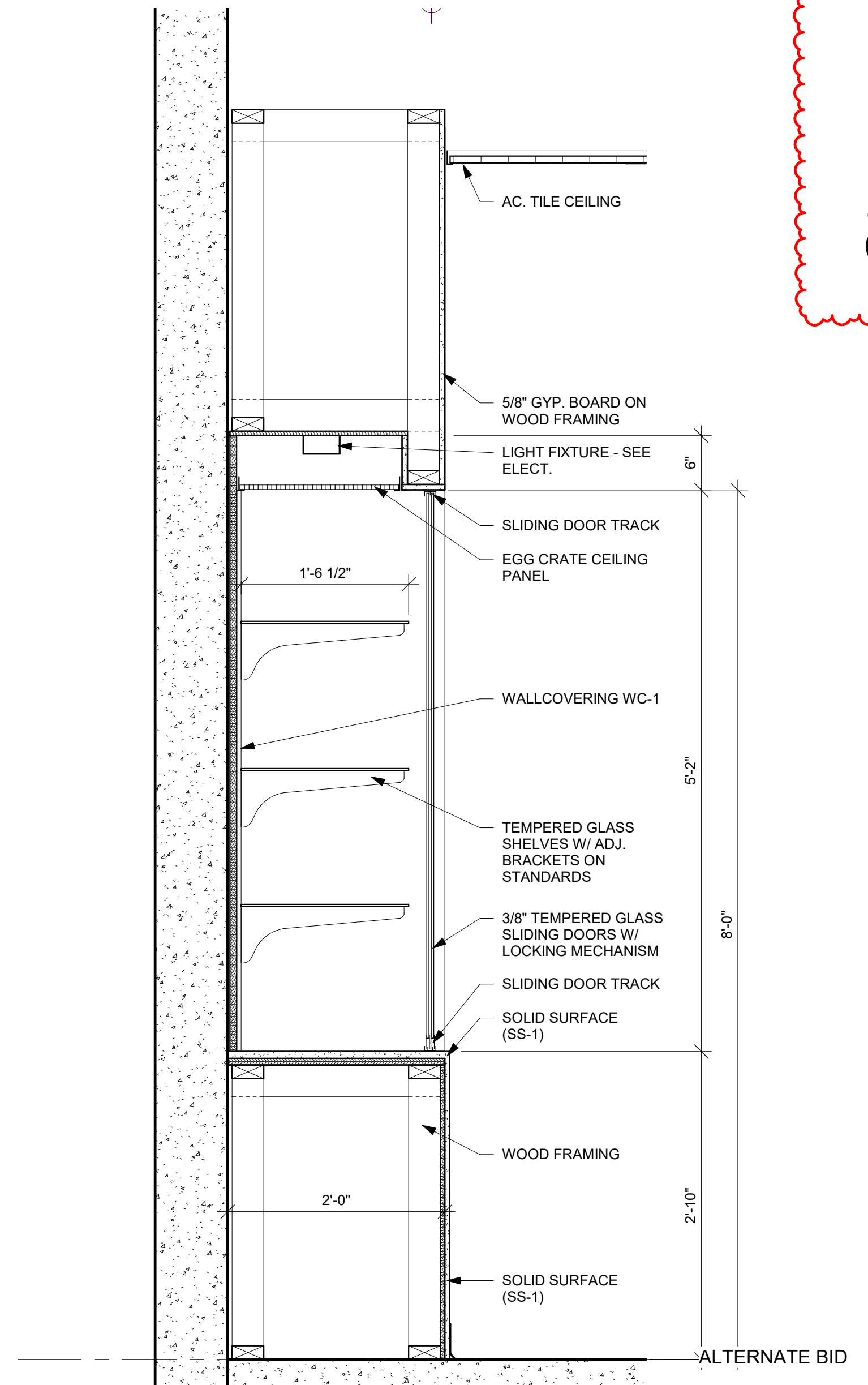
**9 INTERIOR ELEVATION**  
1/4" = 1'-0" ALT BID-ROOM F104



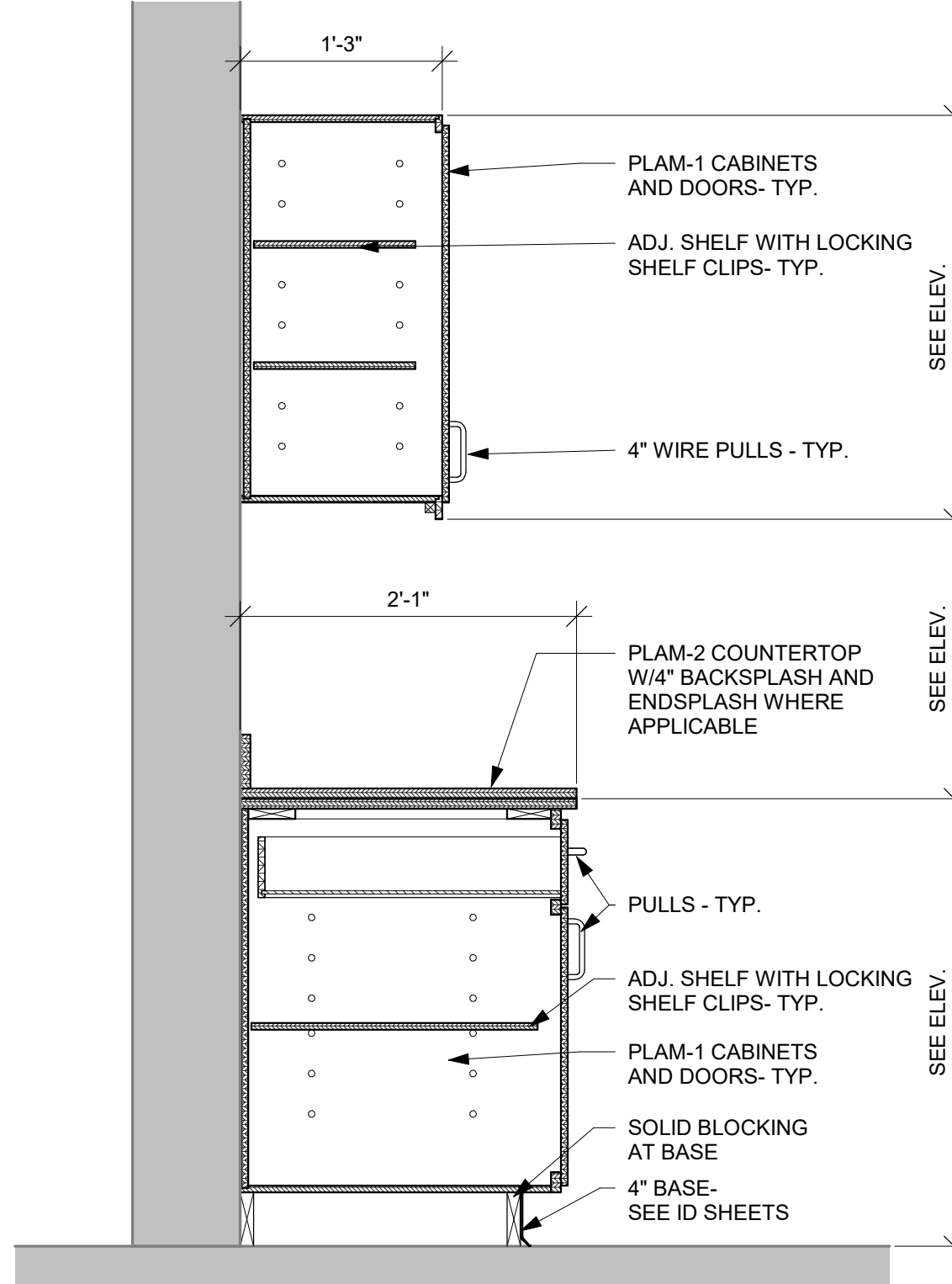
**10 INTERIOR ELEVATION**  
1/4" = 1'-0" BASE BID-ROOM F104



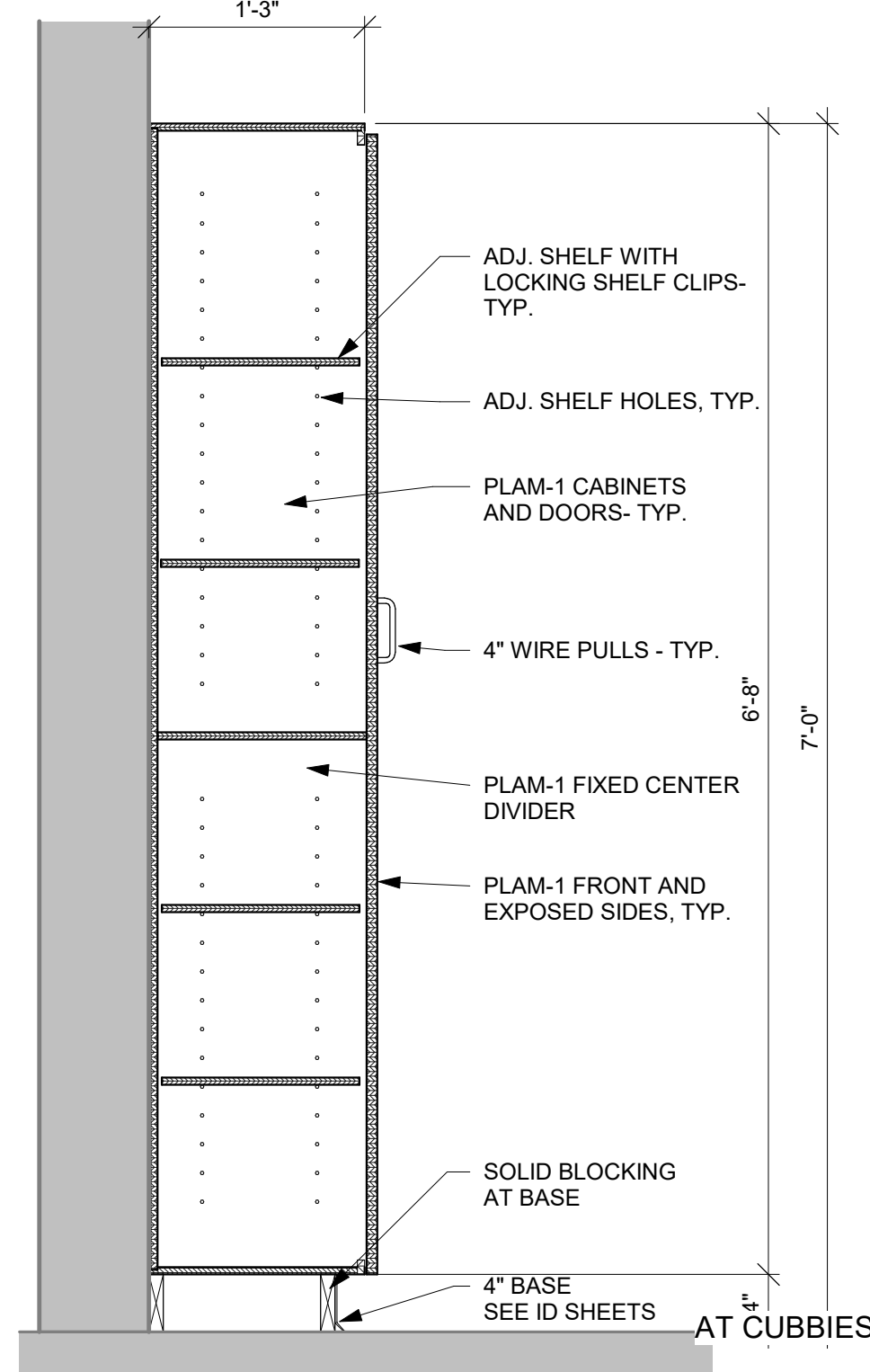
**11 INTERIOR ELEVATION**  
1/4" = 1'-0" BASE BID-ROOM F104



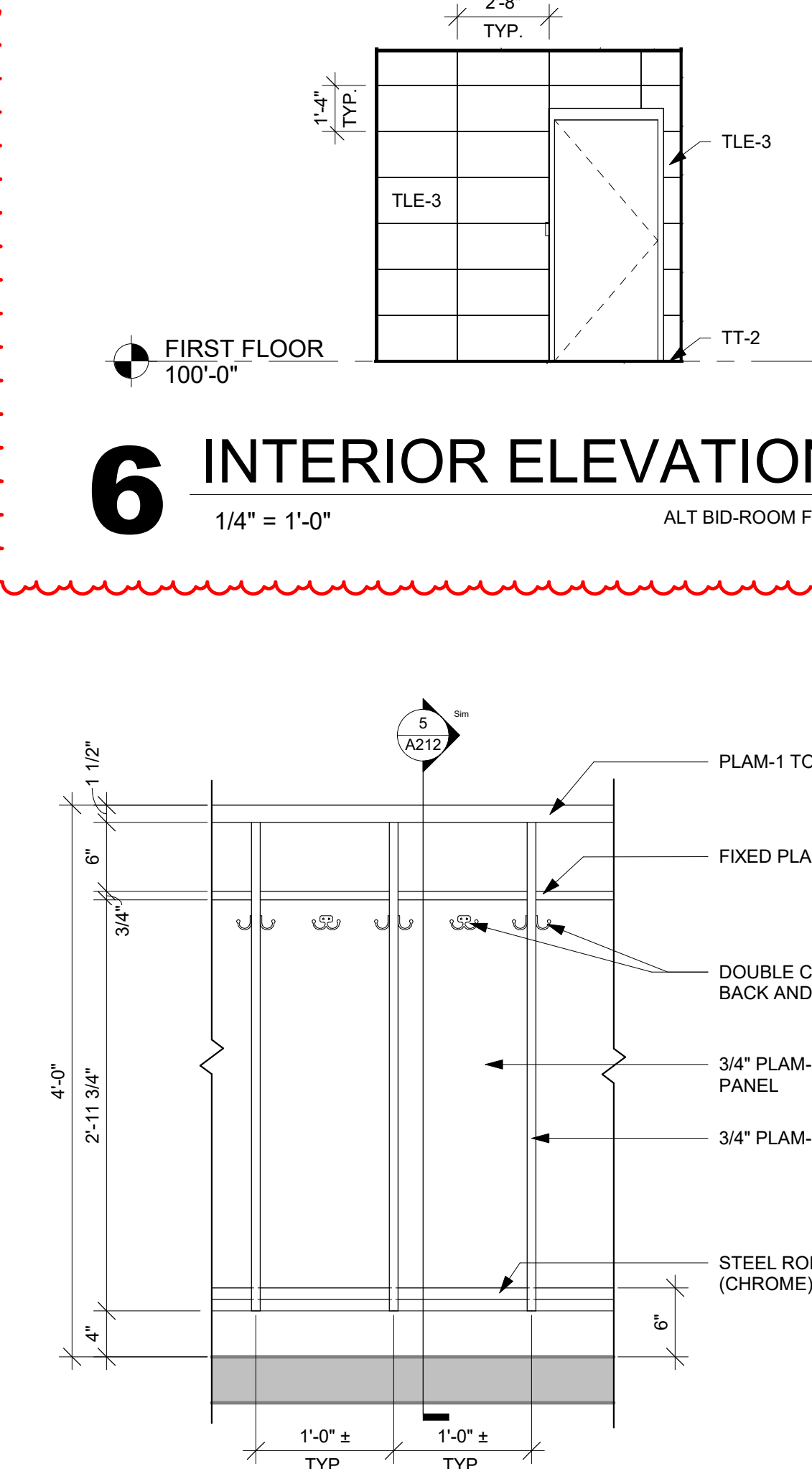
**1 DISPLAY CASE SECTION**  
1" = 1'-0"



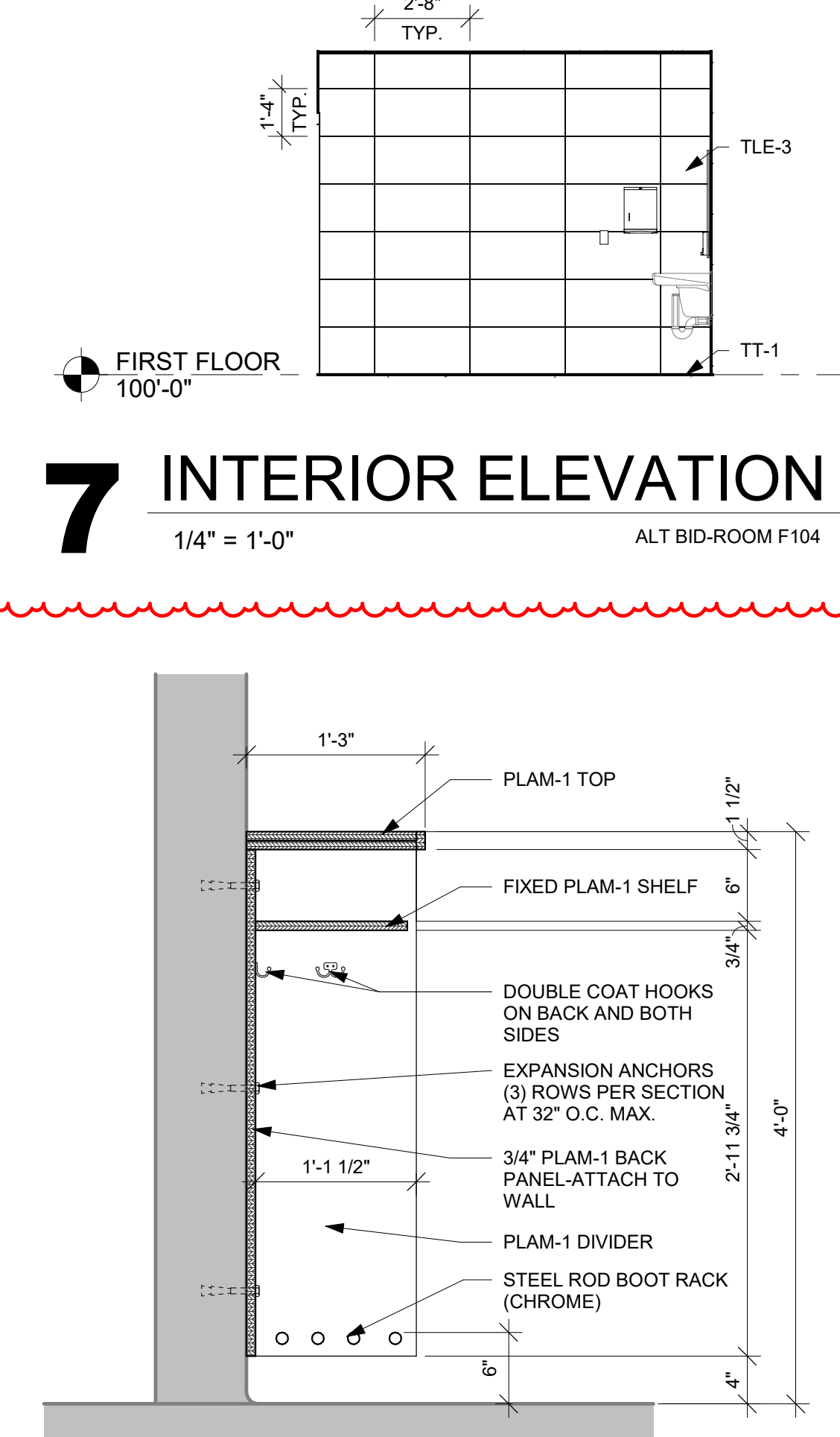
**2 TYP. CASEWORK SECTION**  
1" = 1'-0"



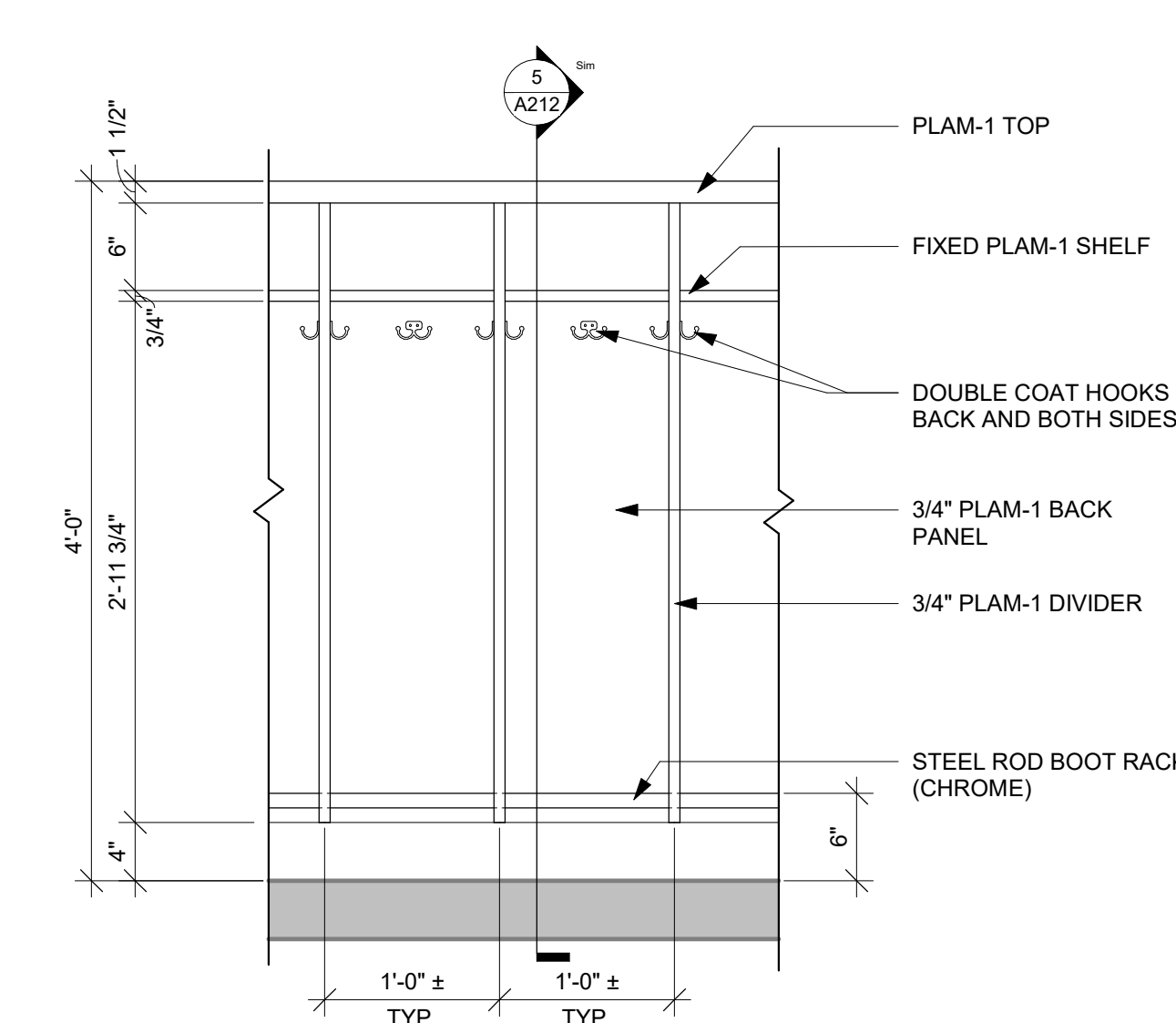
**3 TALL CASEWORK**  
1" = 1'-0"



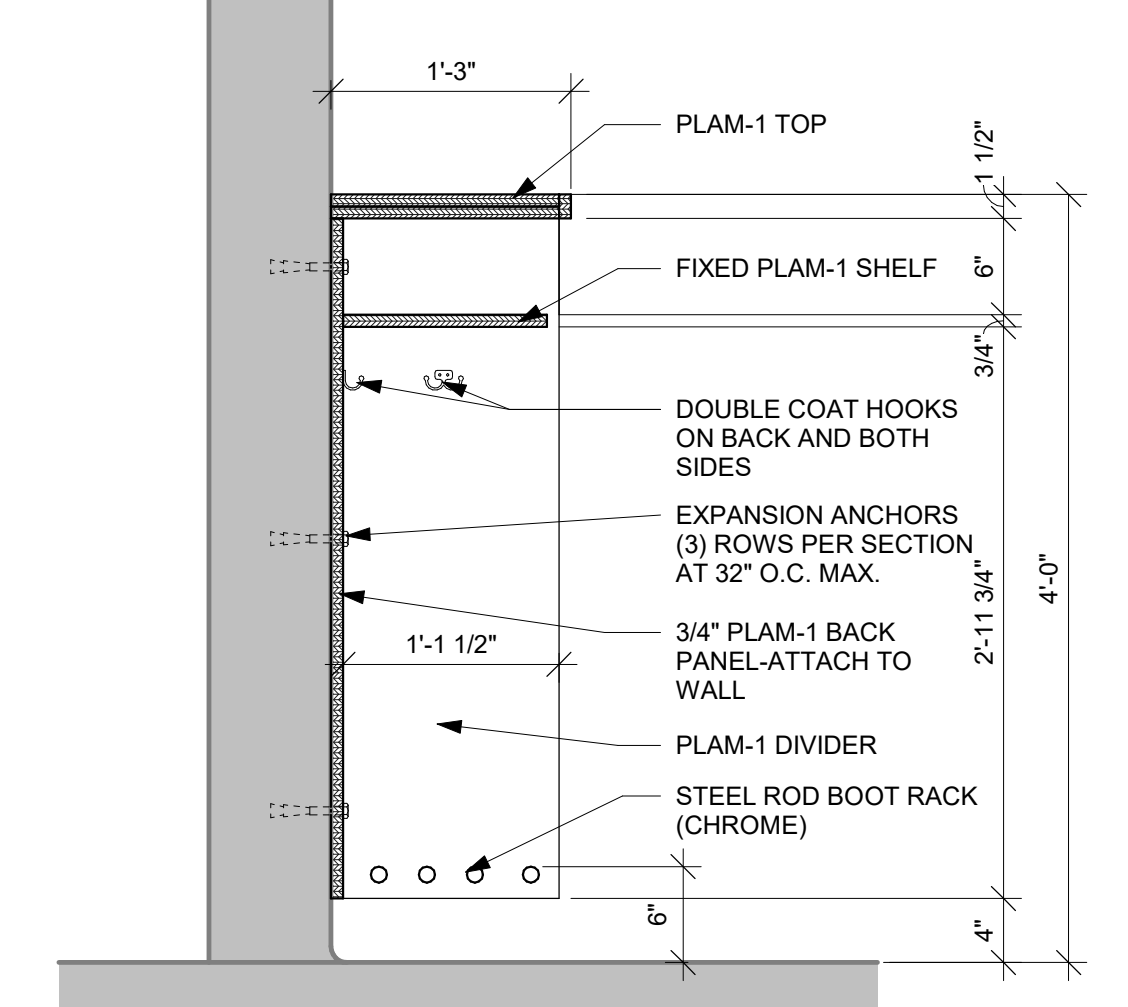
**6 INTERIOR ELEVATION**  
1/4" = 1'-0" ALT BID-ROOM F104



**7 INTERIOR ELEVATION**  
1/4" = 1'-0" ALT BID-ROOM F104



**4 CUBBY ELEVATION**  
1" = 1'-0"



**5 CUBBY SECTION**  
1" = 1'-0"



**HSR ASSOCIATES INC.**  
100 MILWAUKEE STREET  
LA CROSSE, WISCONSIN  
PHONE: 608.784.1830  
FAX: 608.782.5844  
www.hsrassociates.com

Consultant:

ABBOTSFORD SCHOOL DISTRICT  
FEMA ADDITION

Project Location: 510 WEST HEMLOCK STREET  
ABBOTSFORD, WISCONSIN  
Project Title: INTERIOR ELEVATIONS CASEWORK

Project Title: ABBOTSFORD SCHOOL DISTRICT  
FEMA ADDITION

HSR Project Number: 21027  
Project Date: DECEMBER 2021  
Drawn By: DJH

Key Plan:

BID DOCUMENTS

No.	Description	Date
A1	ADDENDUM 1	12.22.2021

Graphic Scale: VARIES

Last Update: 12/22/2021 12:13:02 PM

**A212**







ACCESSORY SCHEDULE SEE NOTES / MOUNTING INFORMATION ON A002		
ABBREVIATION	ITEM	STD. MNT. HEIGHT
CS	CHANGING STATION (OFCI)	
CH	COAT HOOK (DOUBLE)	TOP @ 3'-10" A.F.F.
GB36	1 1/2" DIA. GRAB BAR, 36" LONG. SEE PLANS FOR CONFIG./DIMS.	CENTER @ 2'-10" A.F.F.
GB42	1 1/2" DIA. GRAB BAR, 42" LONG. SEE PLANS FOR CONFIG./DIMS.	CENTER @ 2'-10" A.F.F.
LSD	LIQUID SOAP DISP. (OFCI)	BOT @ 3'-6" A.F.F.
MBH	MOP AND BROOM HOLDER	TOP @ 6'-0" A.F.F.
M1	1'-6" W X 3'-0" H MIRROR WITH FRAME	BOT @ 3'-4" A.F.F.
PTD	PAPER TOWEL DISPENSER (OFCI)	BOT @ 3'-10" A.F.F.
SND	SANITARY NAPKIN DISPOSAL	TOP @ 2'-6" A.F.F.
TP	TOILET PARTITION (FLOOR MOUNTED OVERHEAD BRACED)	
TPH	DBL. TOILET PAPER HOLDER (OFCI)	BOT @ 2'-0" A.F.F.
UP	URNAL PARTITION (WALL MOUNTED)	
VGB18	1 1/2" DIA. VERTICAL GRAB BAR - 18" LONG	BOT @ 3'-4" A.F.F.
EWC	DUAL HEIGHT ELECTRIC WATER COOLER W/ BOTTLE FILLER	SEE PLUMBING
FD	FLOOR DRAIN	SEE PLUMBING
HB	HOSE BIBB IN WALL BOX	SEE PLUMBING
LAV1	WALL MOUNT LAVATORY-STANDARD ADA HEIGHT	33" TO RIM
LAV1J	WALL MOUNT LAVATORY-JUVENILE ADA HEIGHT	30" TO RIM
LAV2	DUAL HEIGHT WALL MOUNT LAVATORY SYSTEM	PRE-K THROUGH GRADE 6 HEIGHT
WC	WALL MOUNT WATER CLOSET	SEE PLUMBING
WCF	FLOOR MOUNT WATER CLOSET	SEE PLUMBING
U	FLOOR MOUNT URNAL	SEE PLUMBING

**ACCESSORIES GENERAL NOTES:**

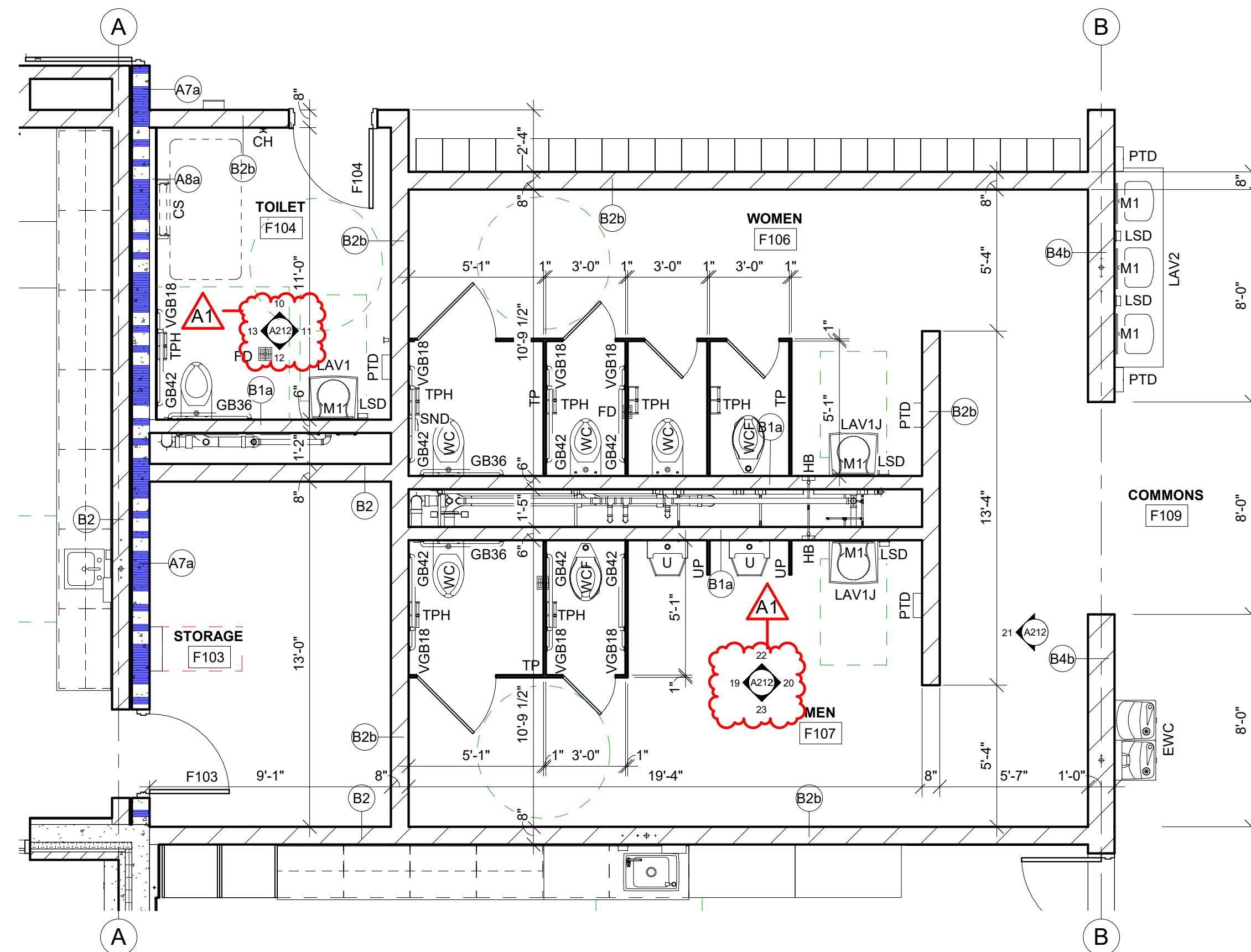
- NOT ALL ACCESSORIES REFERENCED ON SHEET A001 ARE INCLUDED IN THIS PROJECT. SEE ENLARGED FLOOR PLANS / ELEVATION SHEETS FOR ACCESSORIES LOCATIONS / LAYOUT.
- ALL ACCESSORIES TO BE PROVIDED AND INSTALLED BY CONTRACTOR, UNLESS NOTED OTHERWISE.
- CONFIRM EXACT LOCATION OF EACH ACCESSORY WITH OWNER PRIOR TO INSTALLATION.
- SURFACE MOUNTED ACCESSORIES SHALL BE INSTALLED OVER WALL TILE.
- OFCI = OWNER FURNISHED, CONTRACTOR INSTALLED BASIS OF DESIGN. MODEL PROVIDED BY OWNER, VERIFIED FOR PLACEMENT COORDINATION.
- PROVIDE INSULATION WRAP AT EXPOSED PIPING AT SINKS WHERE NO OTHER PROTECTION IS PROVIDED.

**GYM EQUIPMENT SCHEDULE**

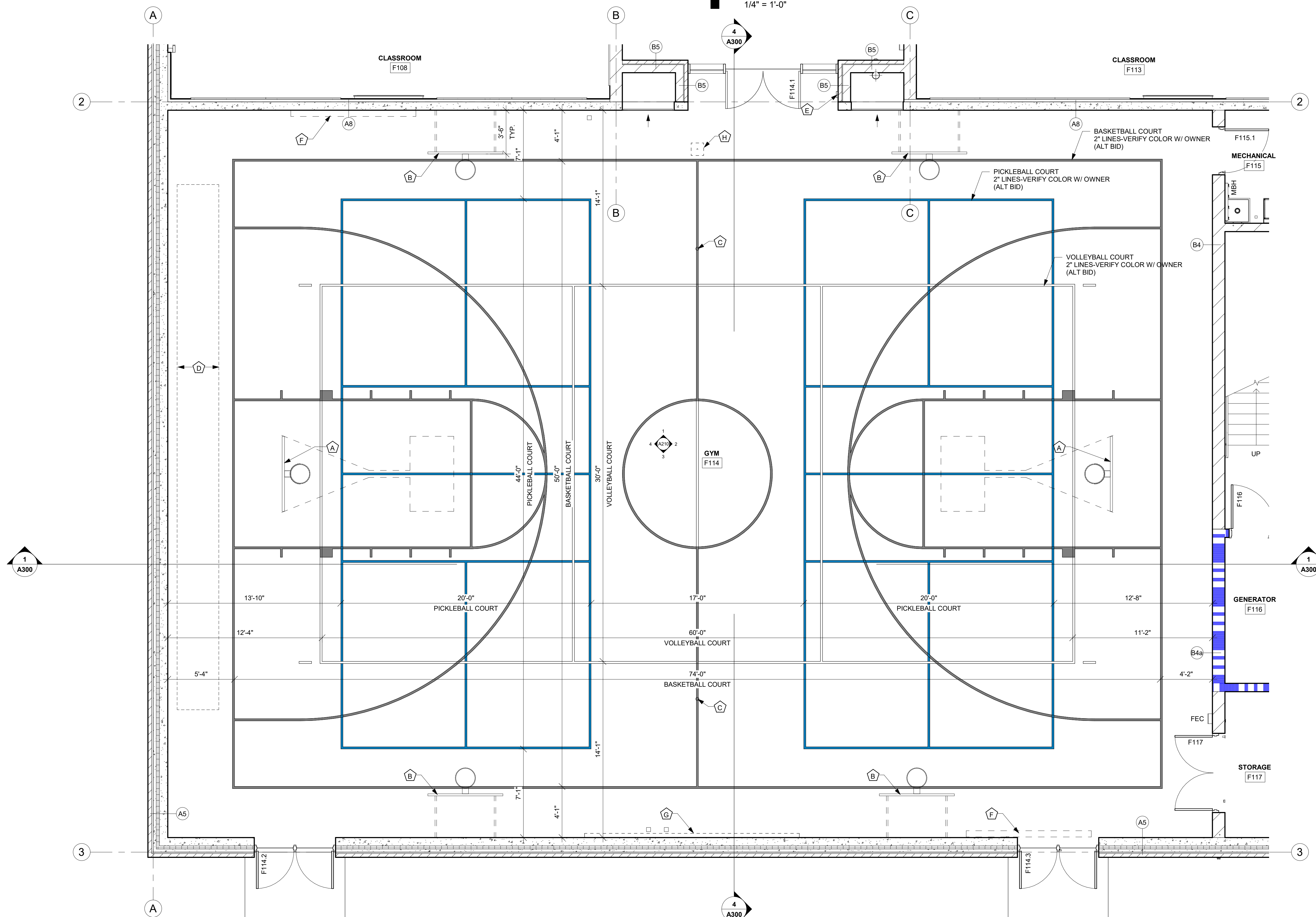
NO.	DESCRIPTION	REMARKS
A	MOTORIZED FRONT-FOLDING BASKETBALL BACKSTOP	COORD. W/ ELECT.
B	WALL MOUNTED BASKETBALL BACKSTOP (ALT. BID)	ACOUSTIC WALL PANELS TO BE TRIMMED AROUND BACKSTOP WALL MOUNT PADS
C	RECESSED VOLLEYBALL STANDARD FLOOR INSERT AND VOLLEYBALL STANDARDSNET	
D	MOTORIZED WALL MOUNT DOUBLE MAT LIFTER (OVER-UNDER SLING)	COORD. W/ ELECT.
E	GYM CONTROL PANEL	COORD. W/ ELECT.
F	SCOREBOARD (ALT. BID)	COORD. W/ ELECT.
G	MOTORIZED WALL MOUNT PROJECTION SCREEN (ALT. BID)	COORD. W/ ELECT. - MOUNT AWAY FROM WALL TO AVOID LOWERED SCREEN CONFLICTING W/ ACOUSTIC WALL PANELS
H	CEILING MOUNTED PROJECTOR IN CAGE (ALT. BID)	COORD. W/ ELECT.

**GYMNASIUM GENERAL NOTES:**

- GYMNASIUM FLOORING AND STRIPING TO BE BID UNDER ALTERNATE BID - SEE ID SHEETS

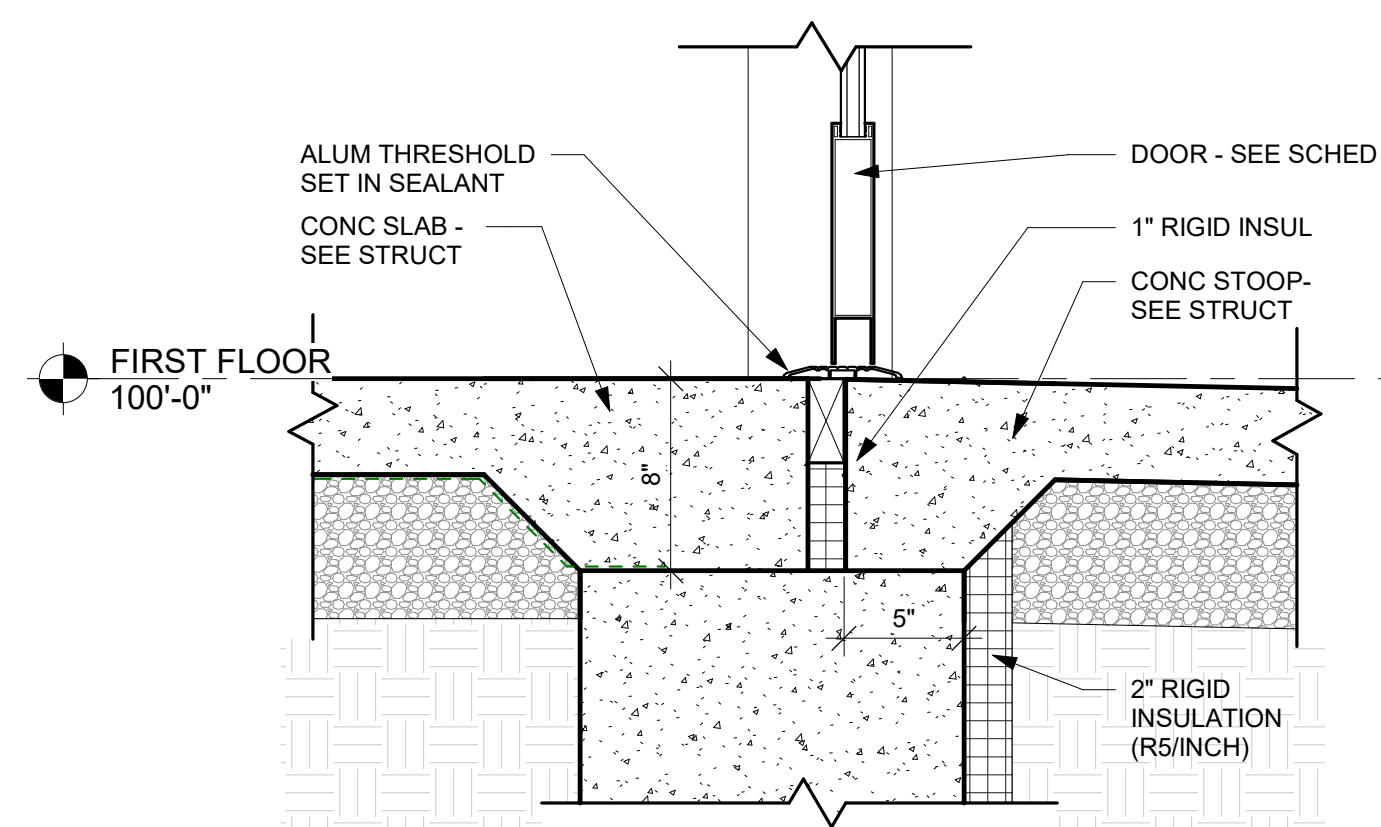


**1 ENLARGED TOILET ROOM PLAN**

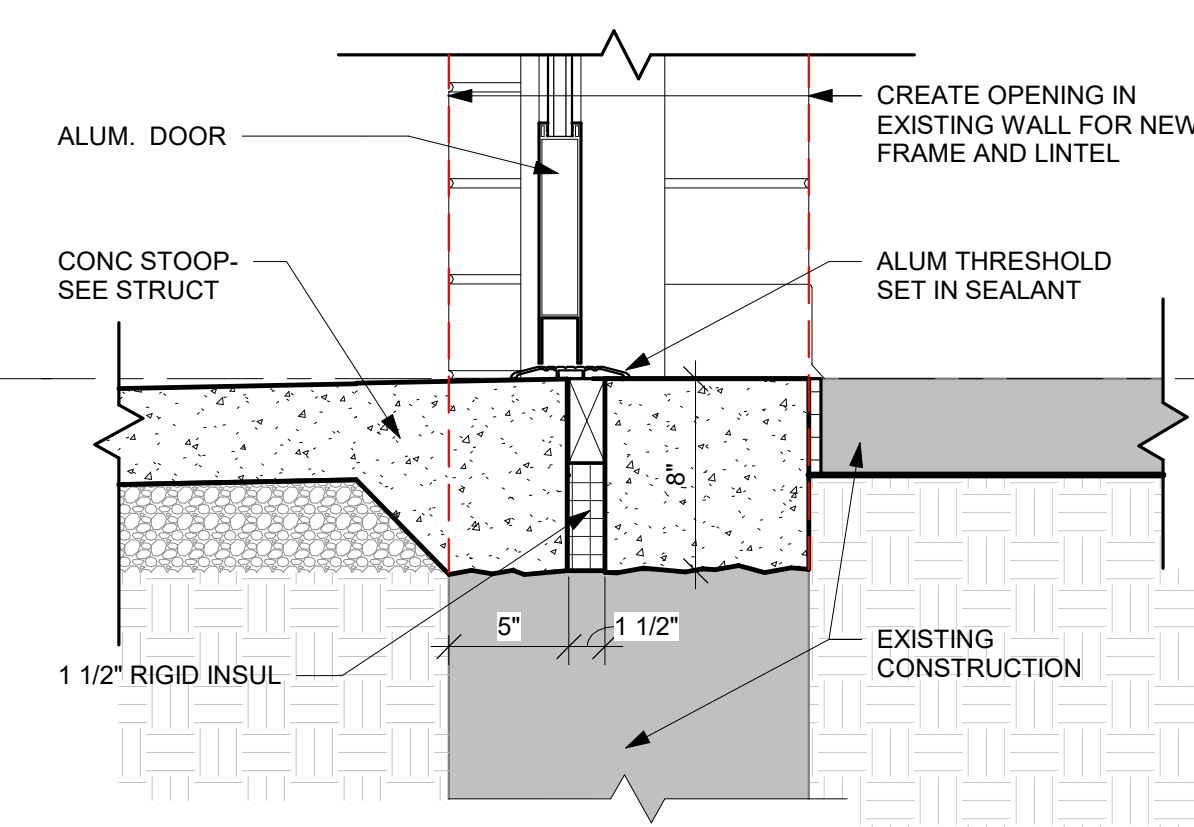


**2 ENLARGED GYM PLAN**

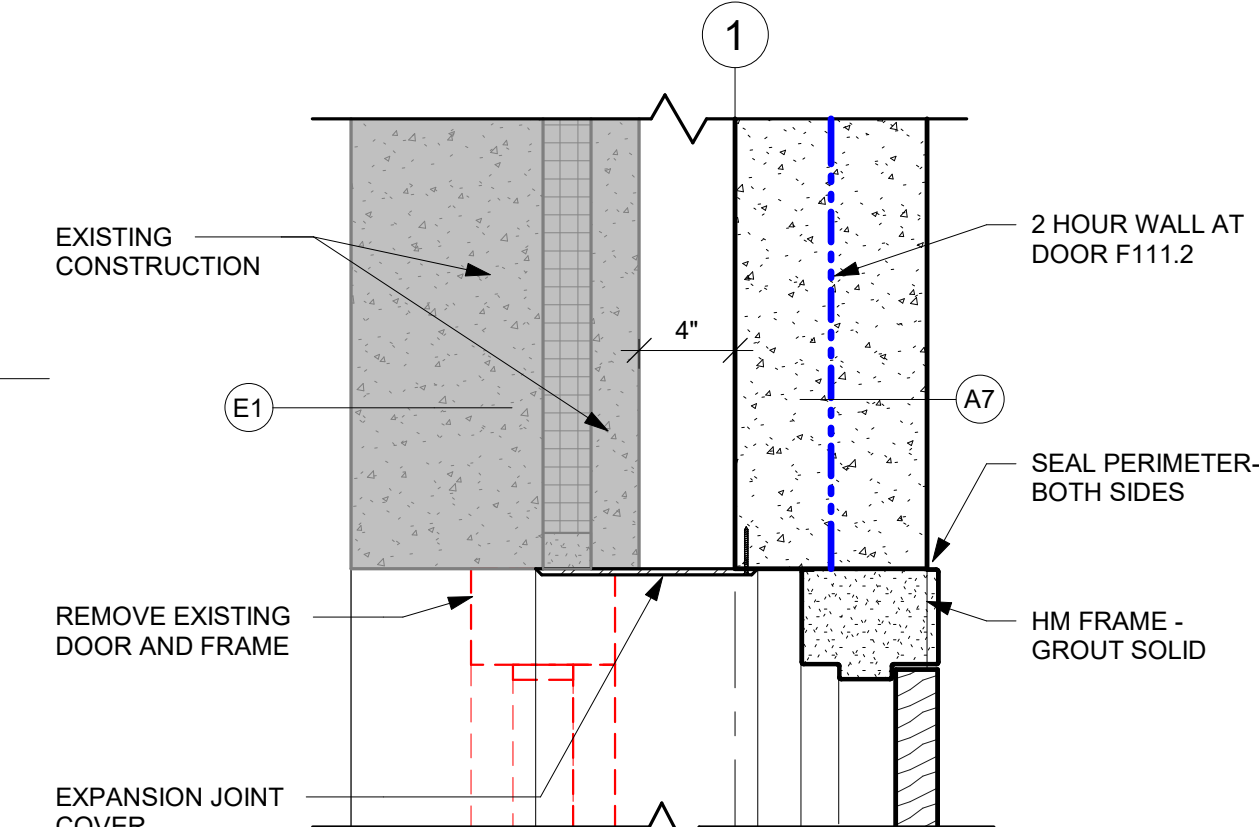




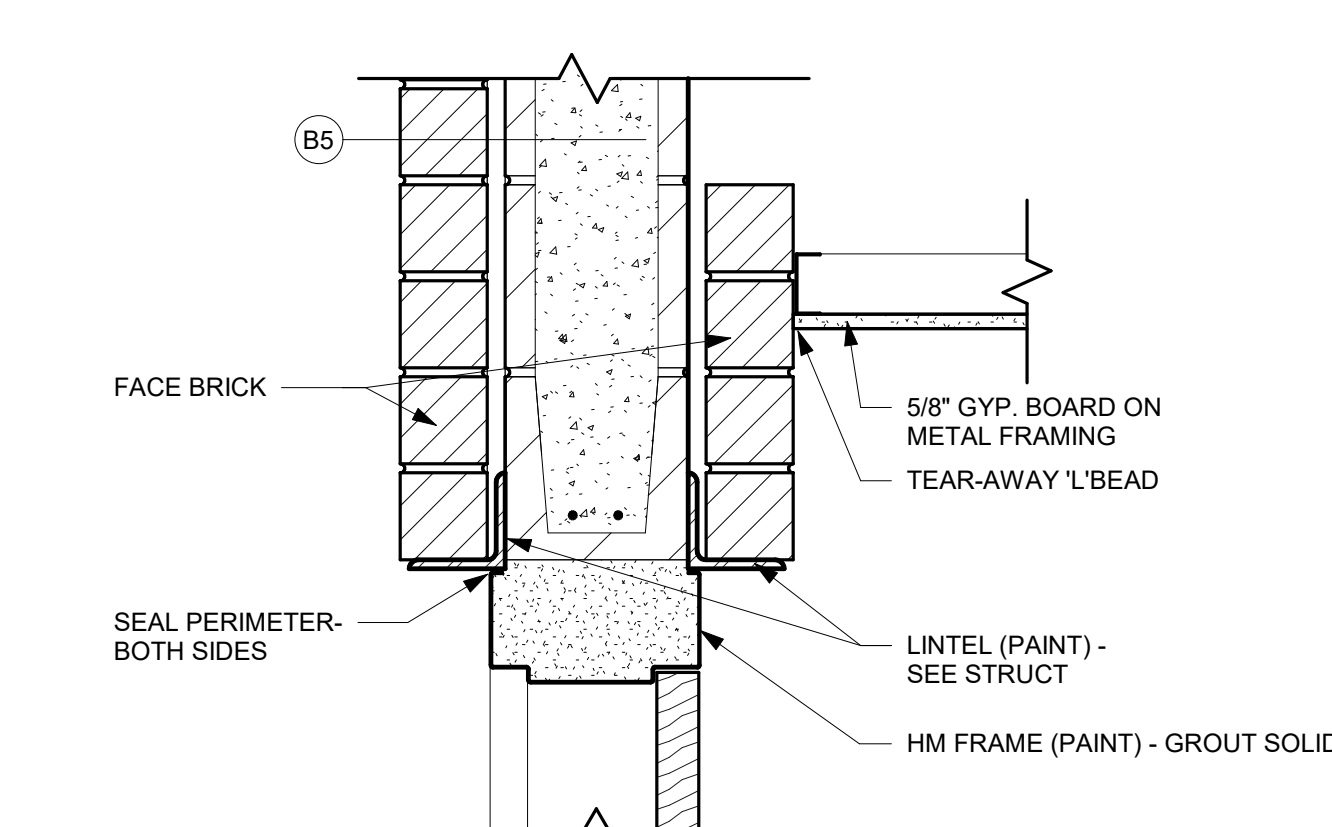
**5** DOOR SILL DETAIL  
1 1/2" = 1'-0"



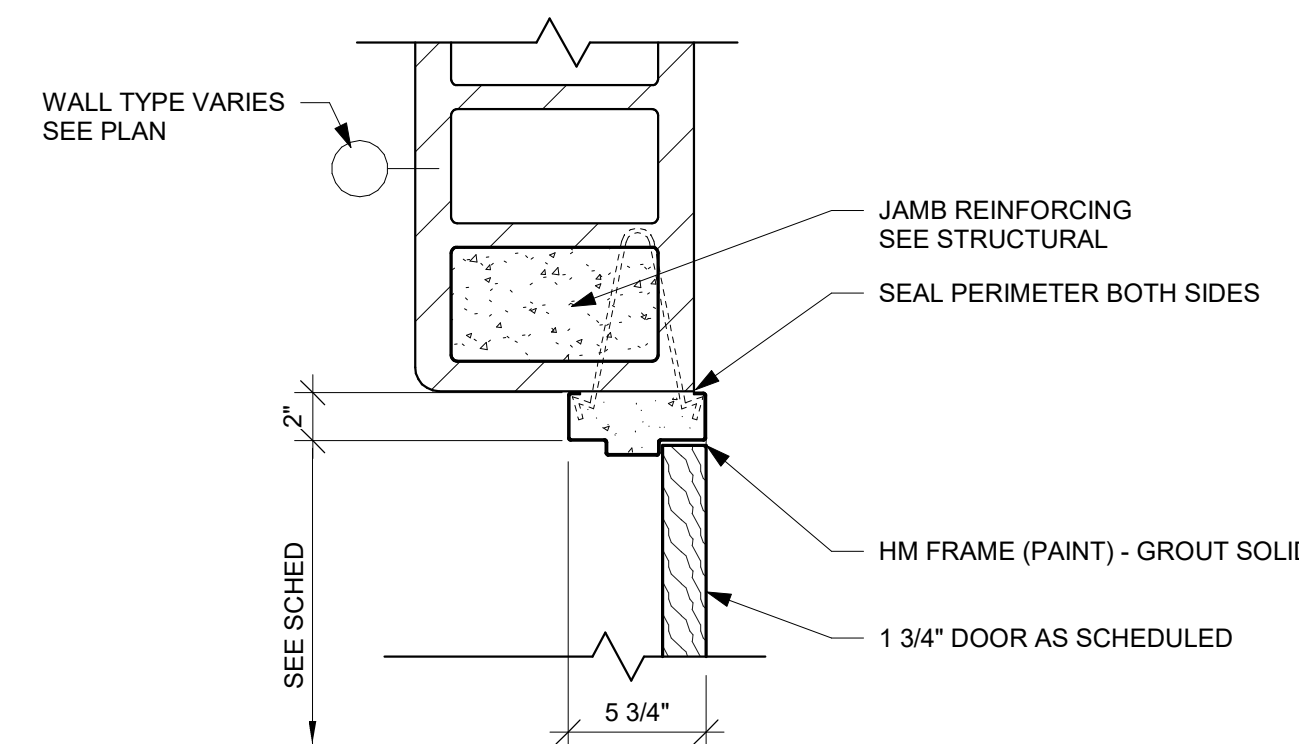
**10** DOOR SILL DETAIL  
1 1/2" = 1'-0"



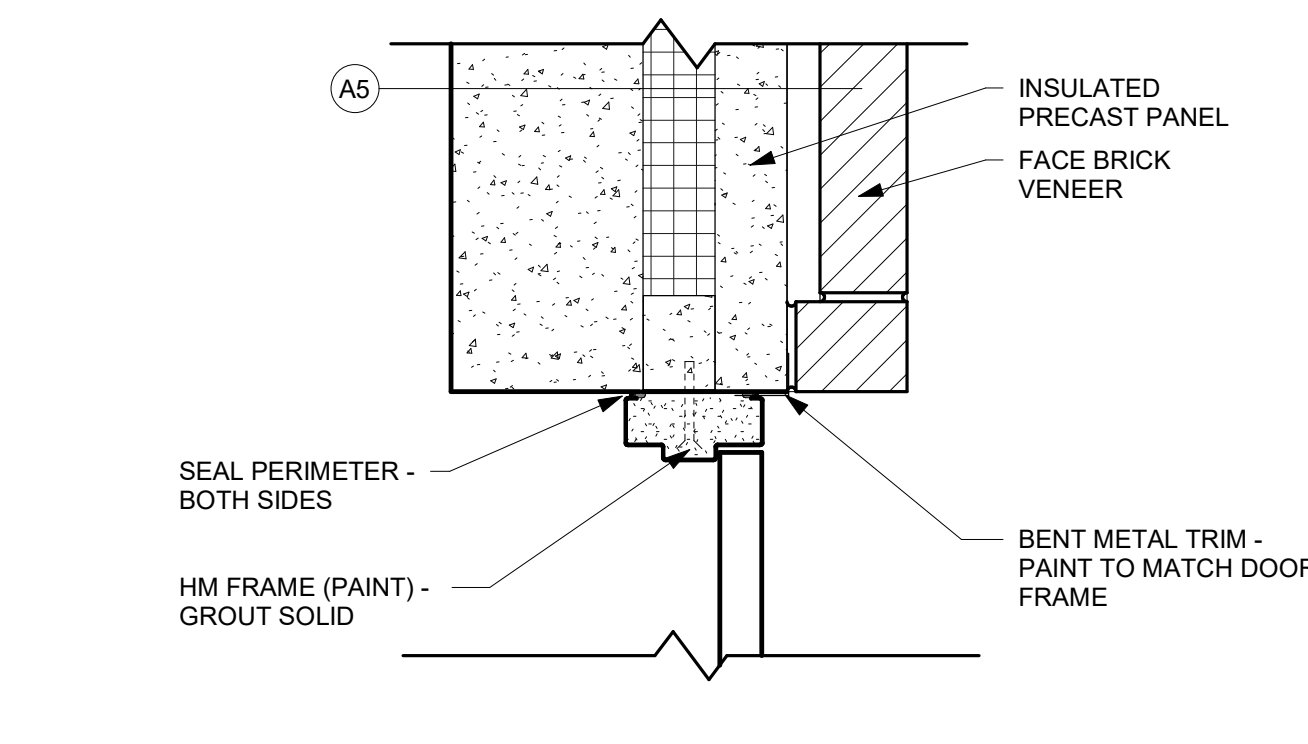
**15** DOOR HEAD DETAIL  
1 1/2" = 1'-0"



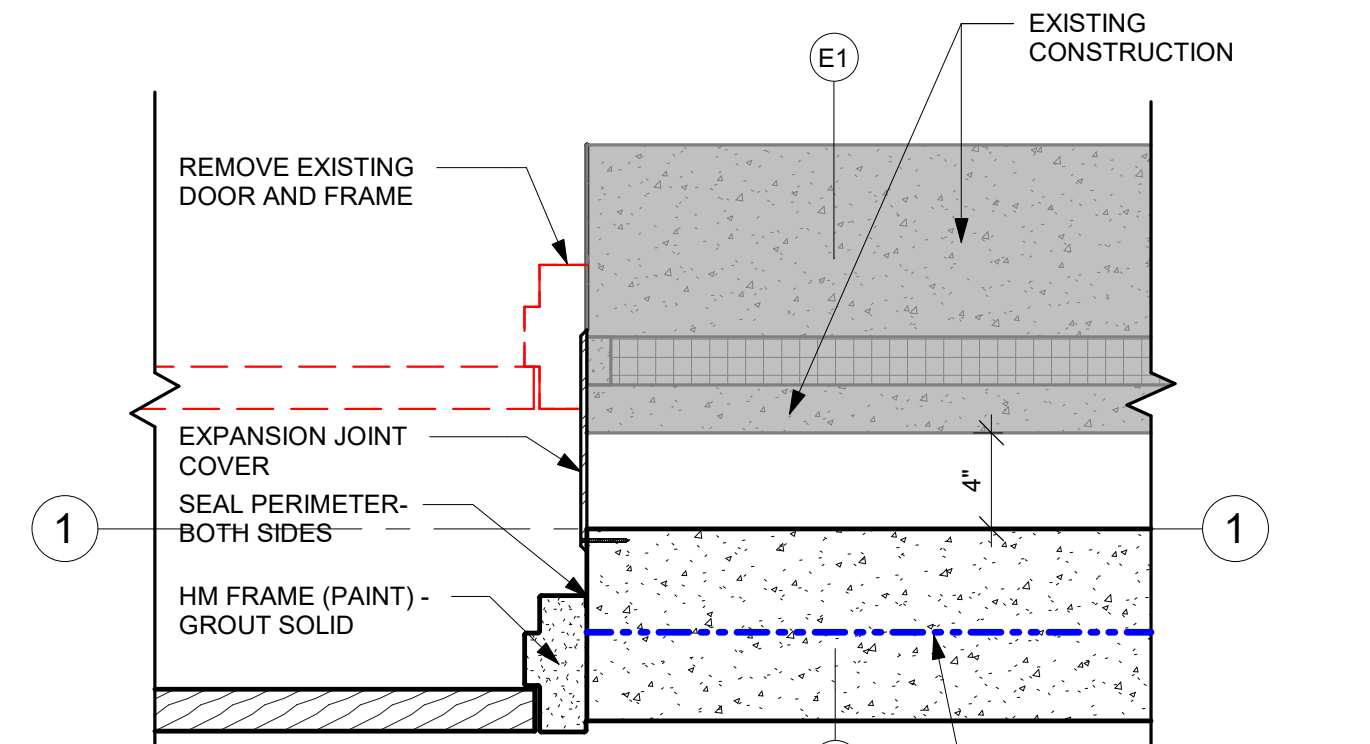
**20** DOOR HEAD DETAIL  
1 1/2" = 1'-0"



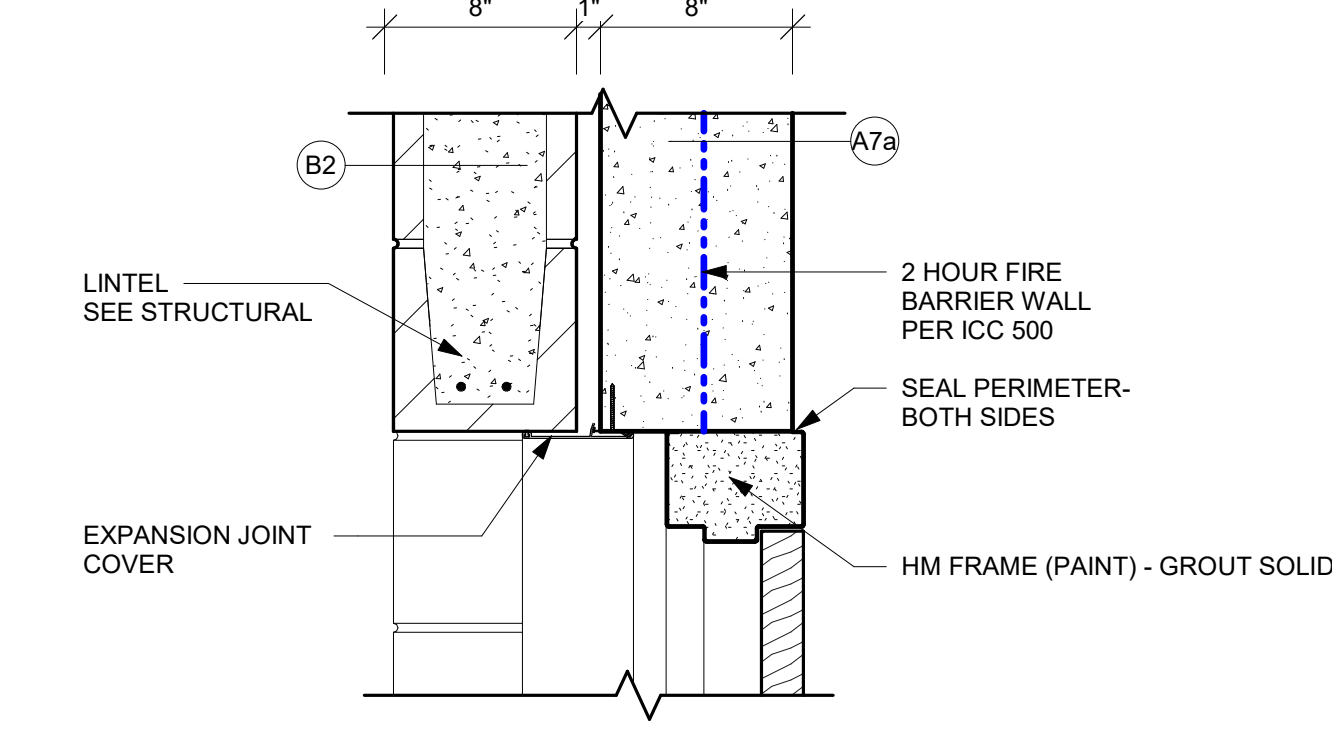
**4** DOOR JAMB DETAIL  
1 1/2" = 1'-0"



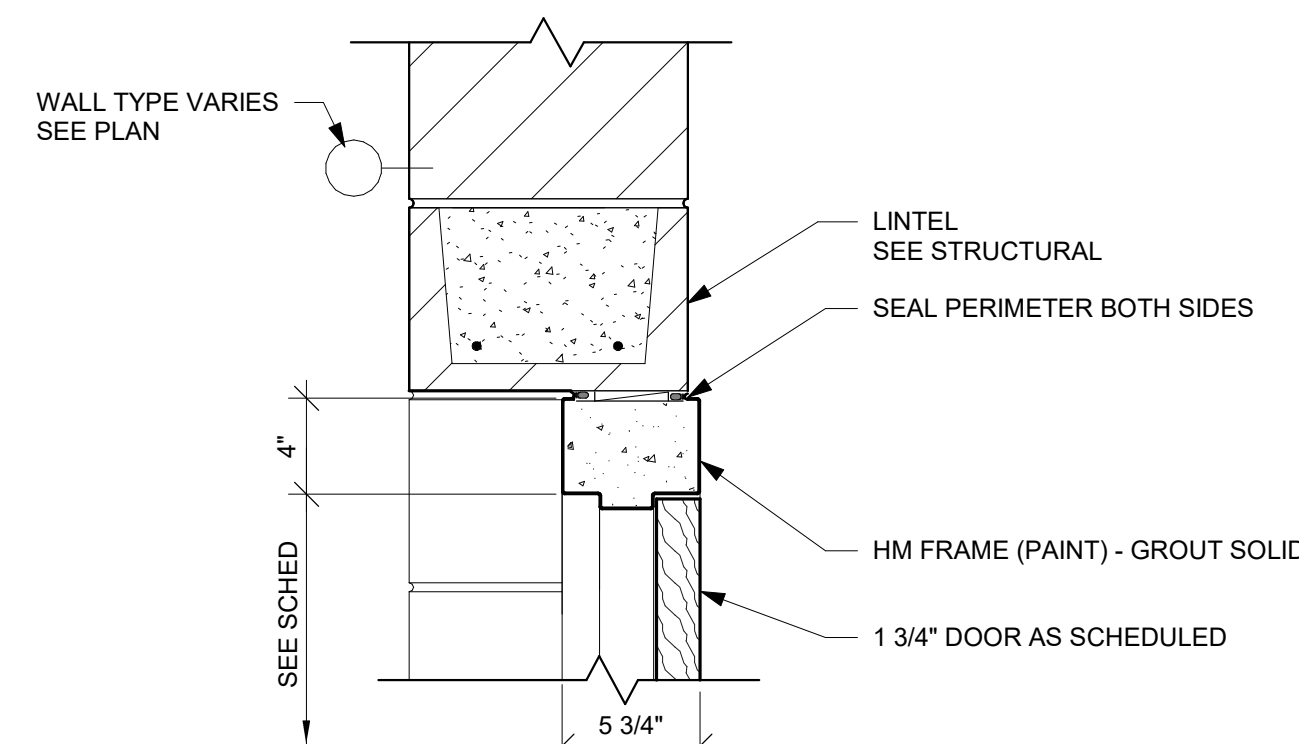
**9** DOOR JAMB DETAIL  
1 1/2" = 1'-0"



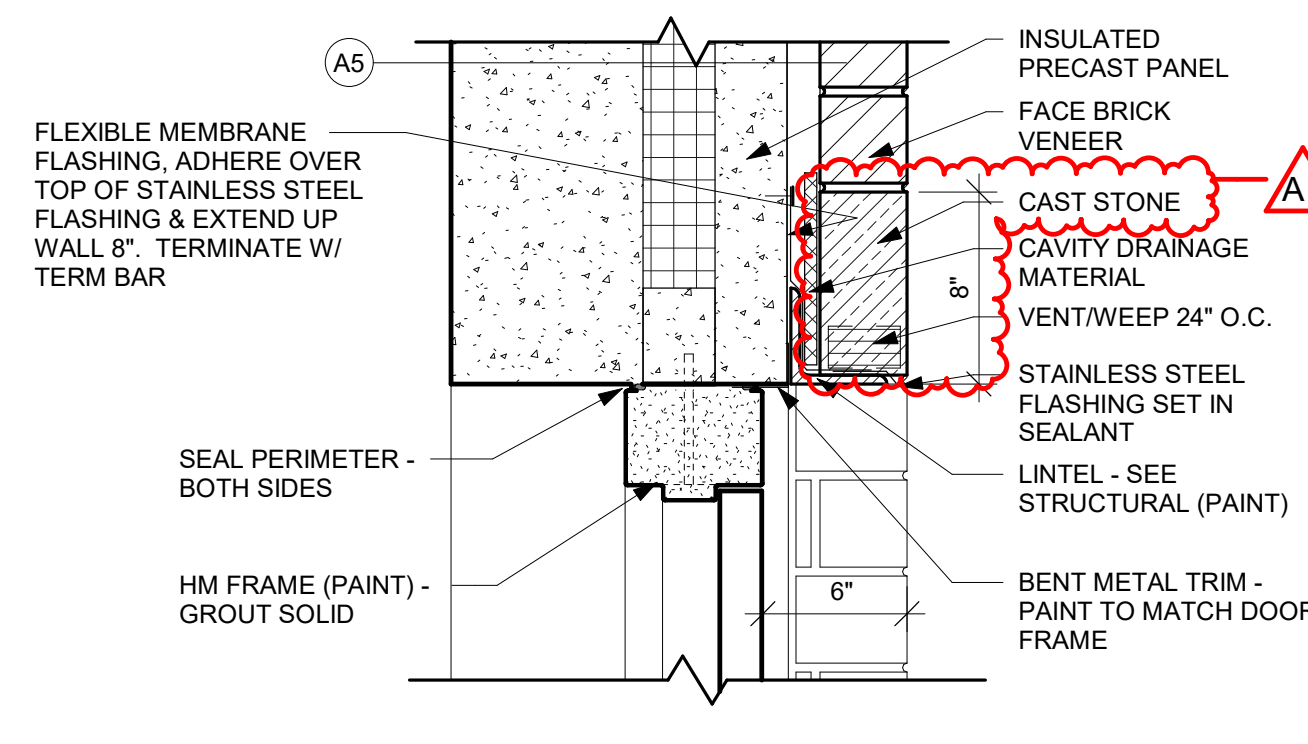
**14** DOOR JAMB DETAIL  
1 1/2" = 1'-0"



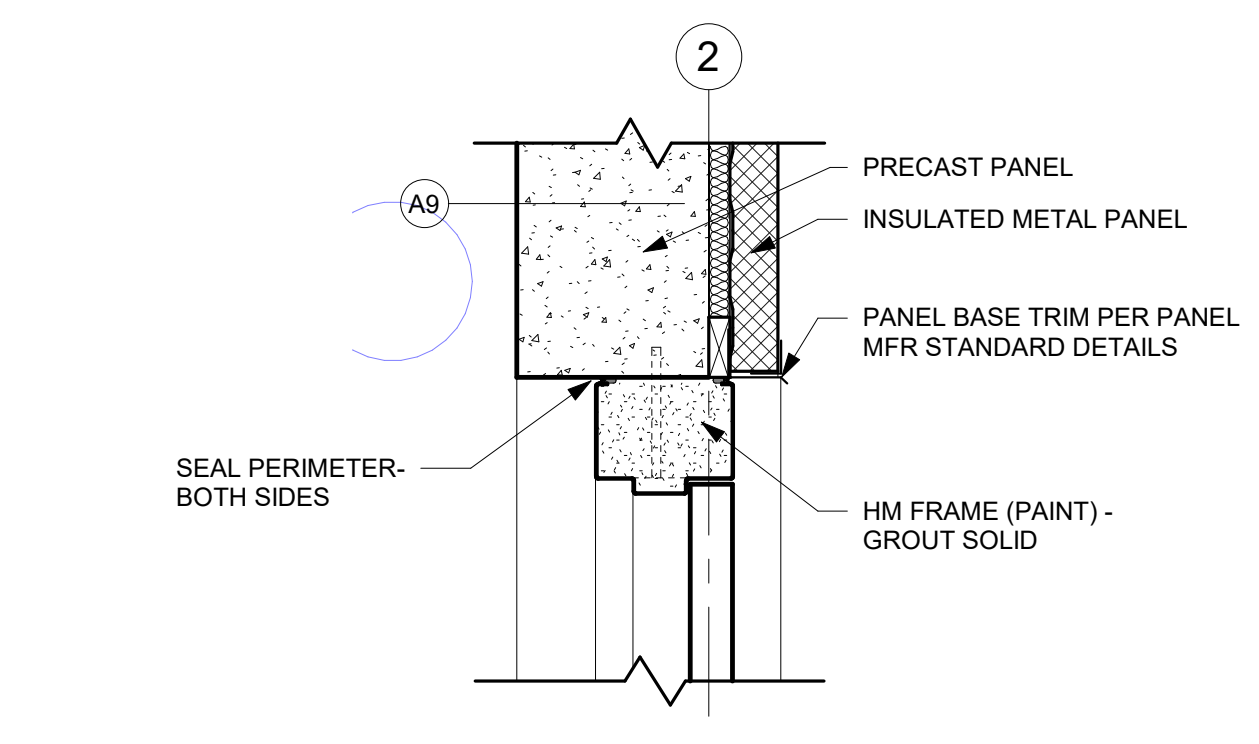
**19** DOOR HEAD DETAIL  
1 1/2" = 1'-0"



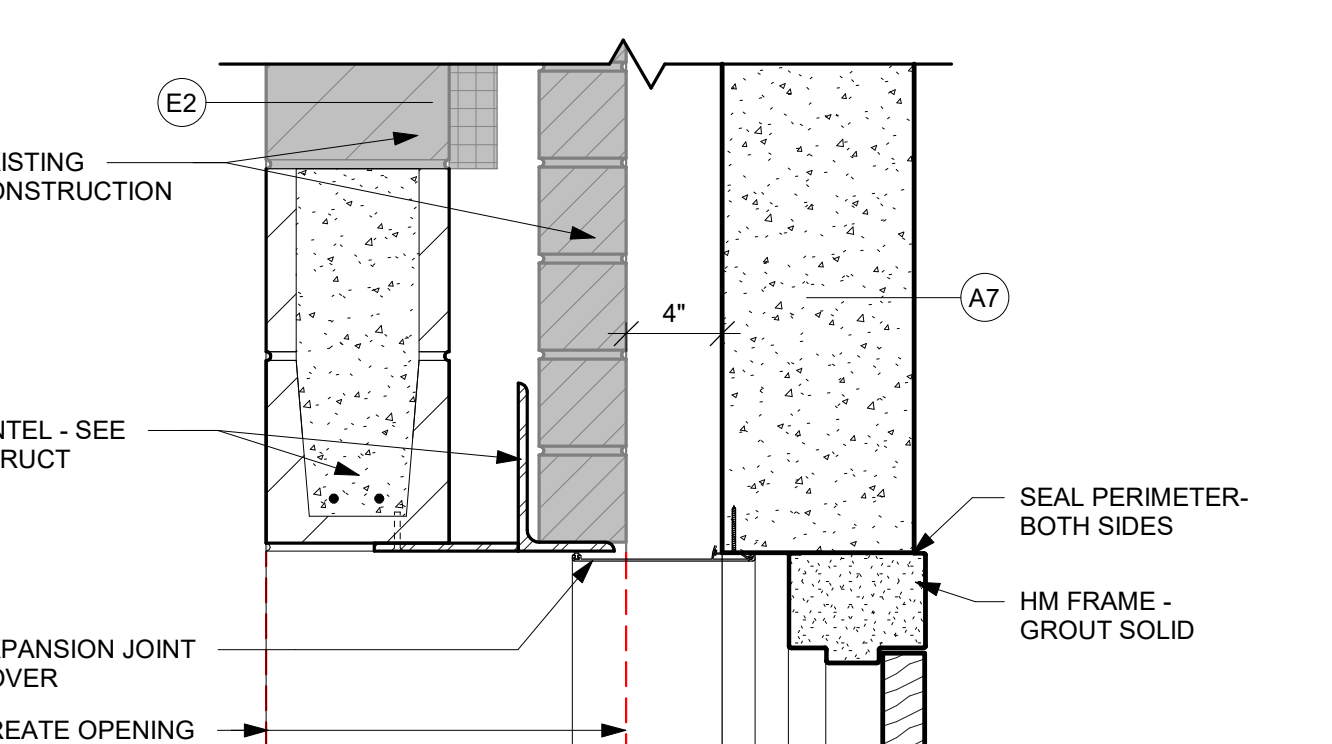
**3** DOOR HEAD DETAIL  
1 1/2" = 1'-0"



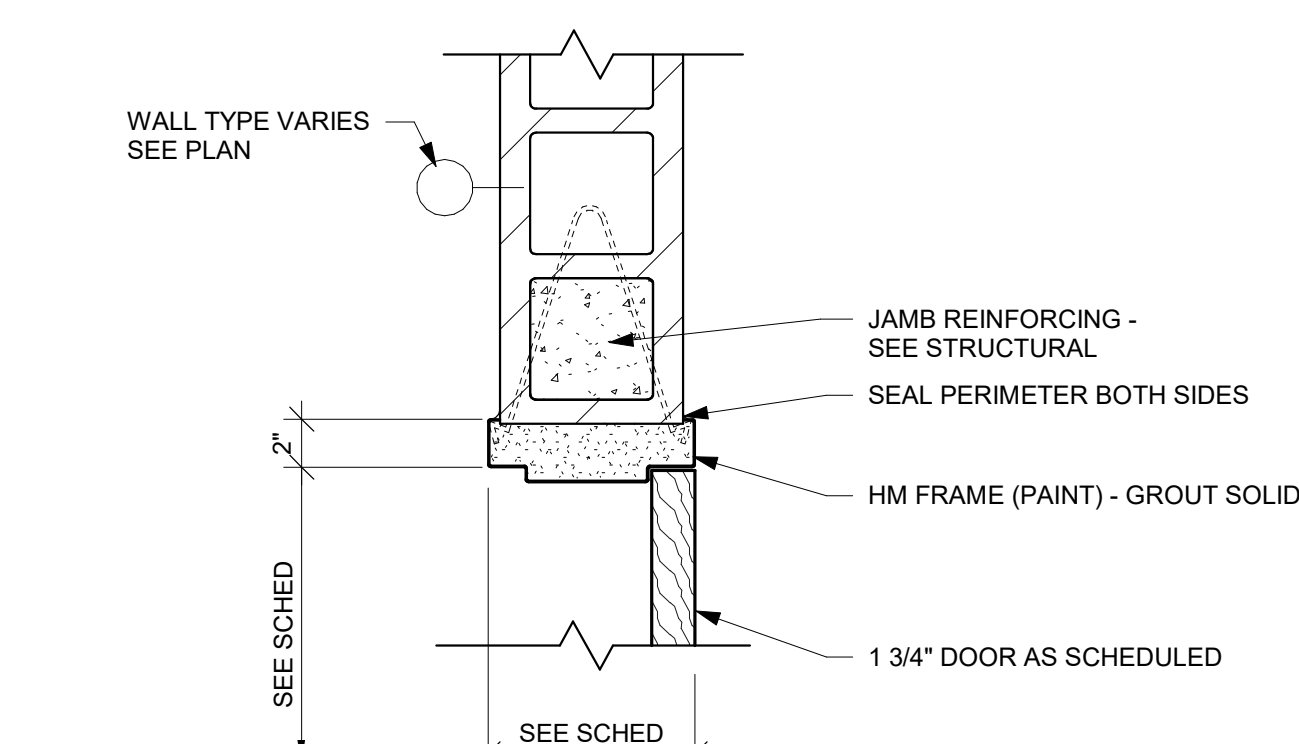
**8** DOOR HEAD DETAIL  
1 1/2" = 1'-0"



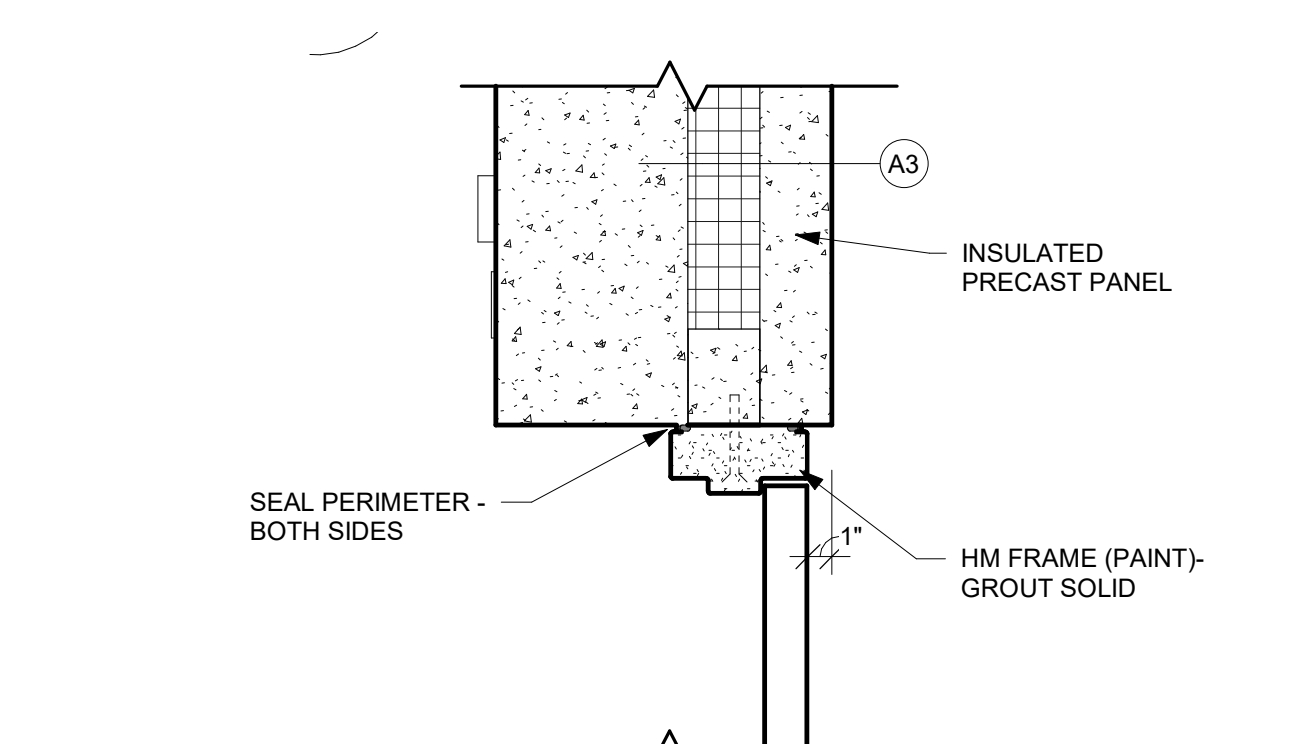
**13** DOOR HEAD DETAIL  
1 1/2" = 1'-0"



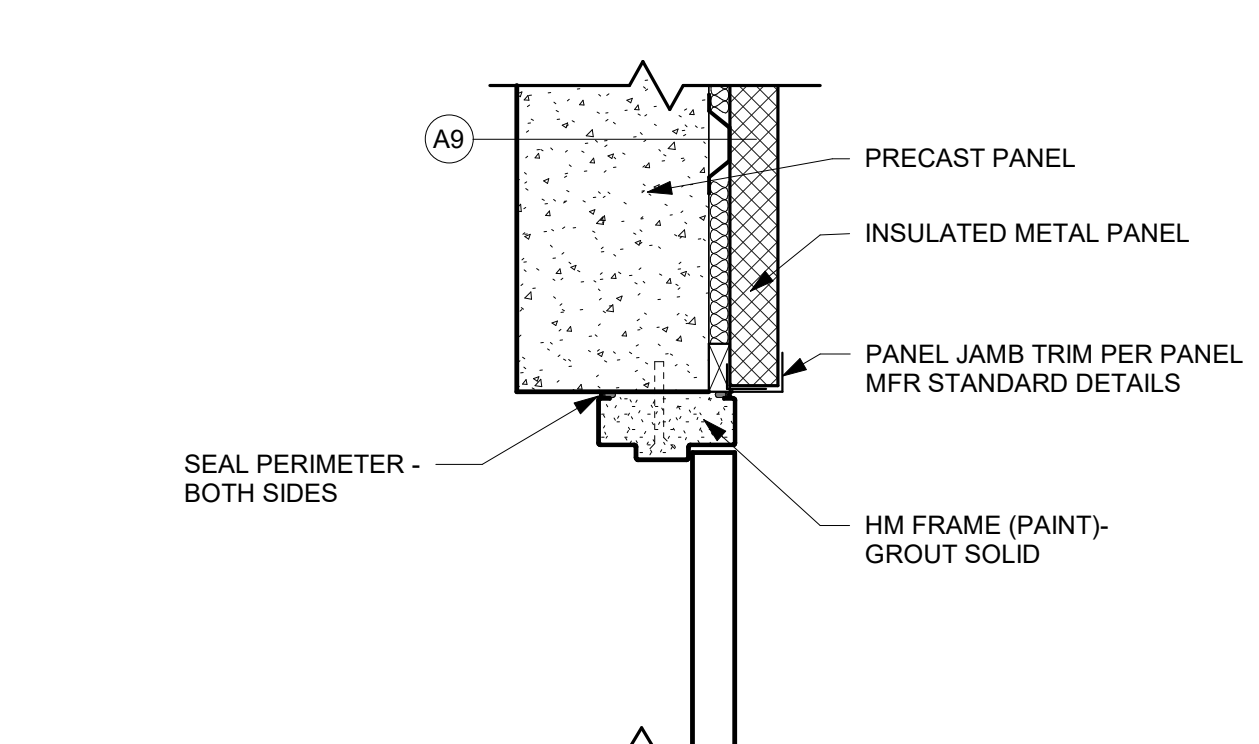
**18** DOOR HEAD DETAIL  
1 1/2" = 1'-0"



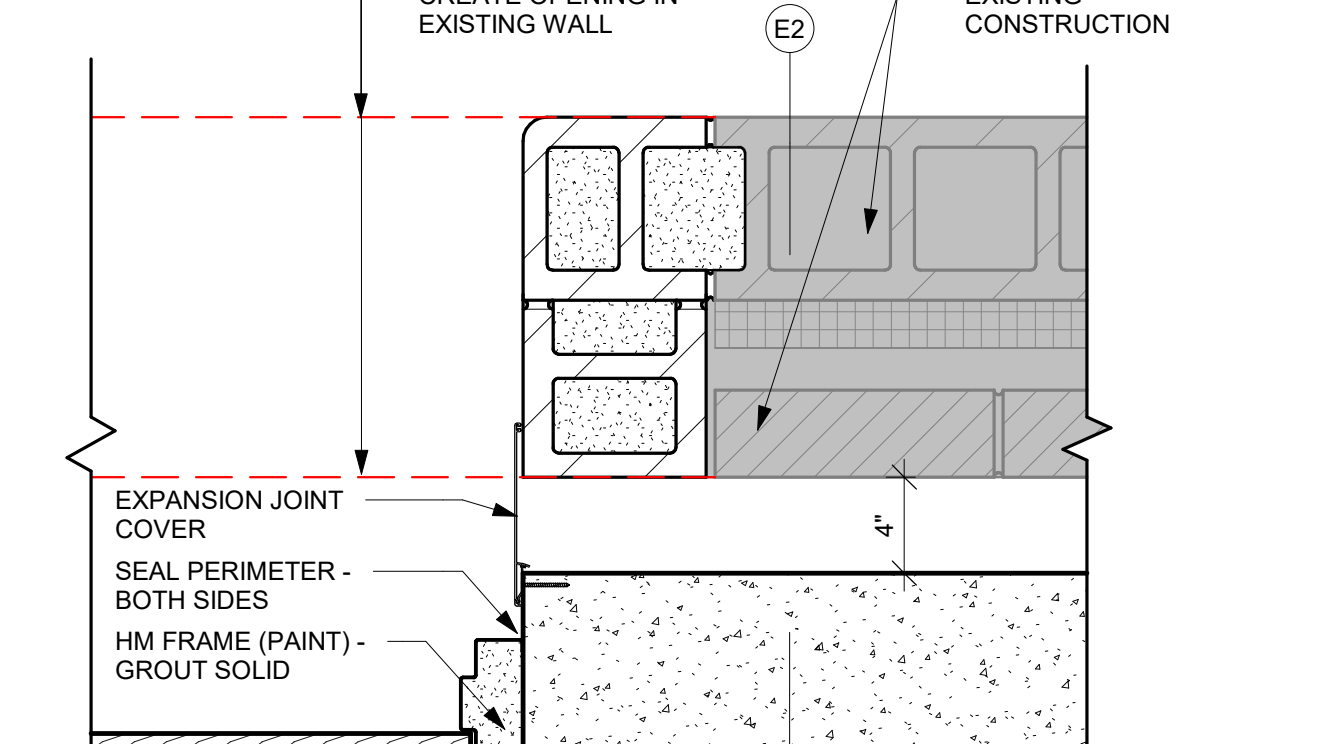
**2** DOOR JAMB DETAIL  
1 1/2" = 1'-0"



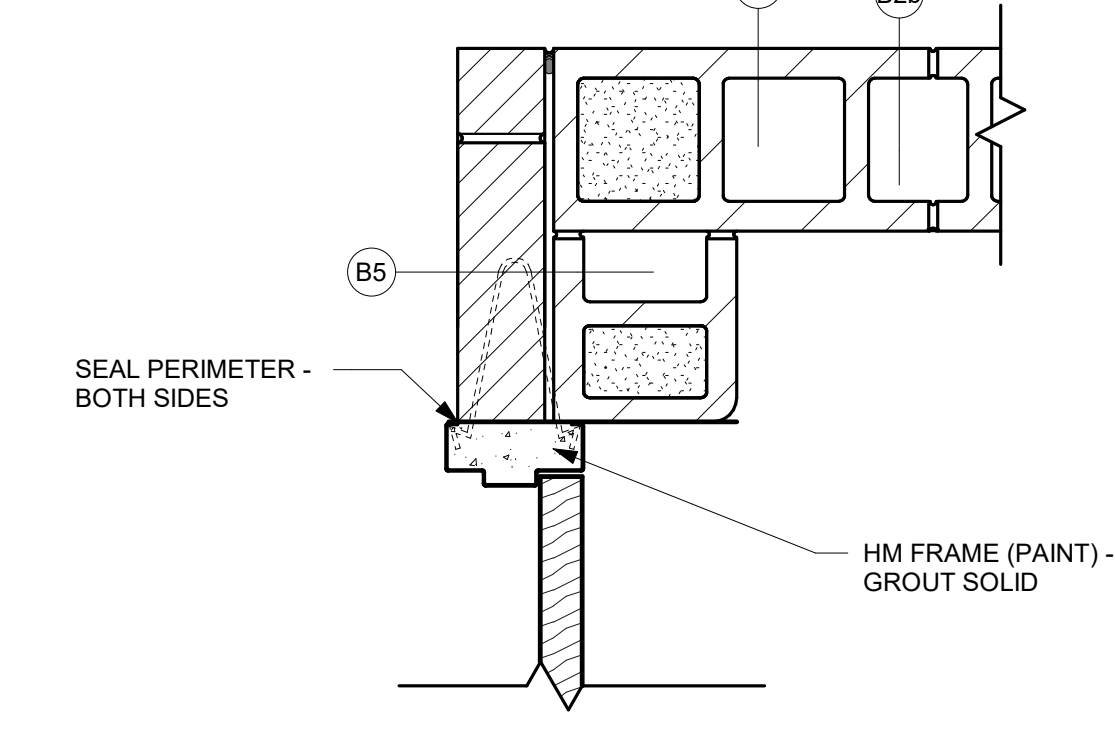
**7** DOOR JAMB DETAIL  
1 1/2" = 1'-0"



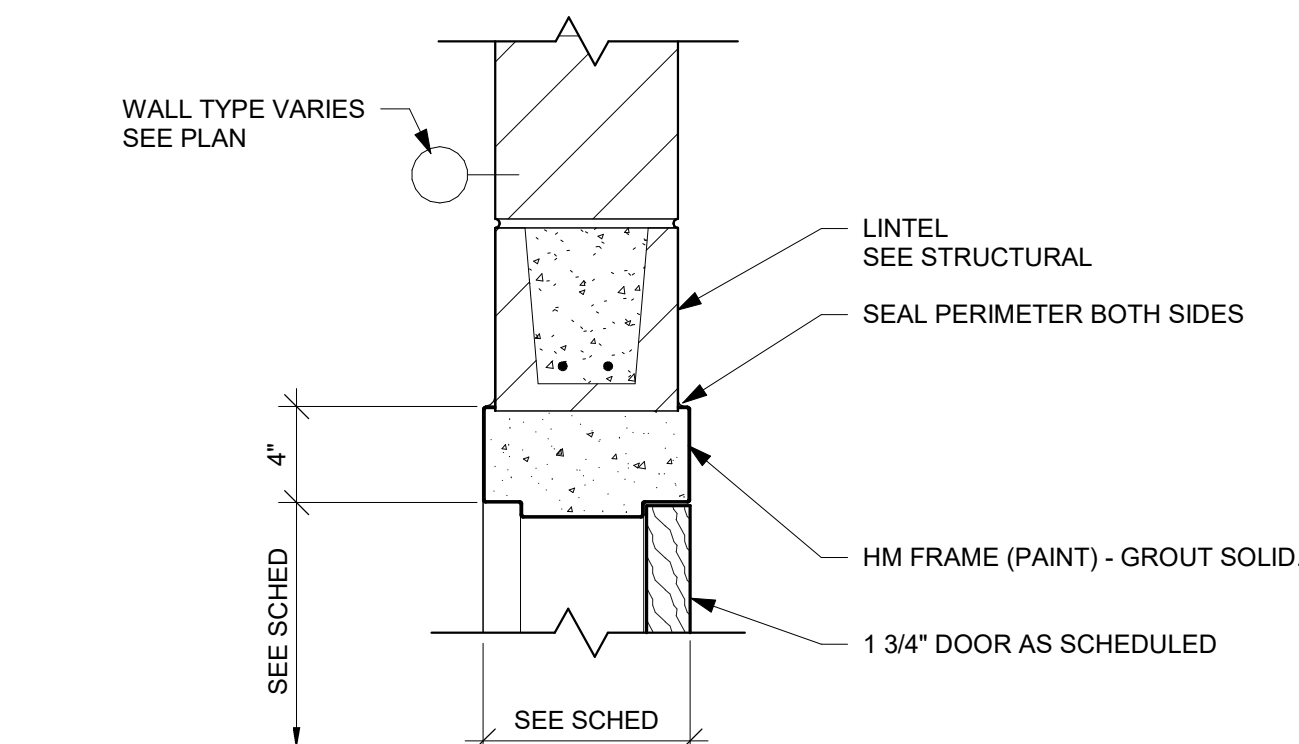
**12** DOOR JAMB DETAIL  
1 1/2" = 1'-0"



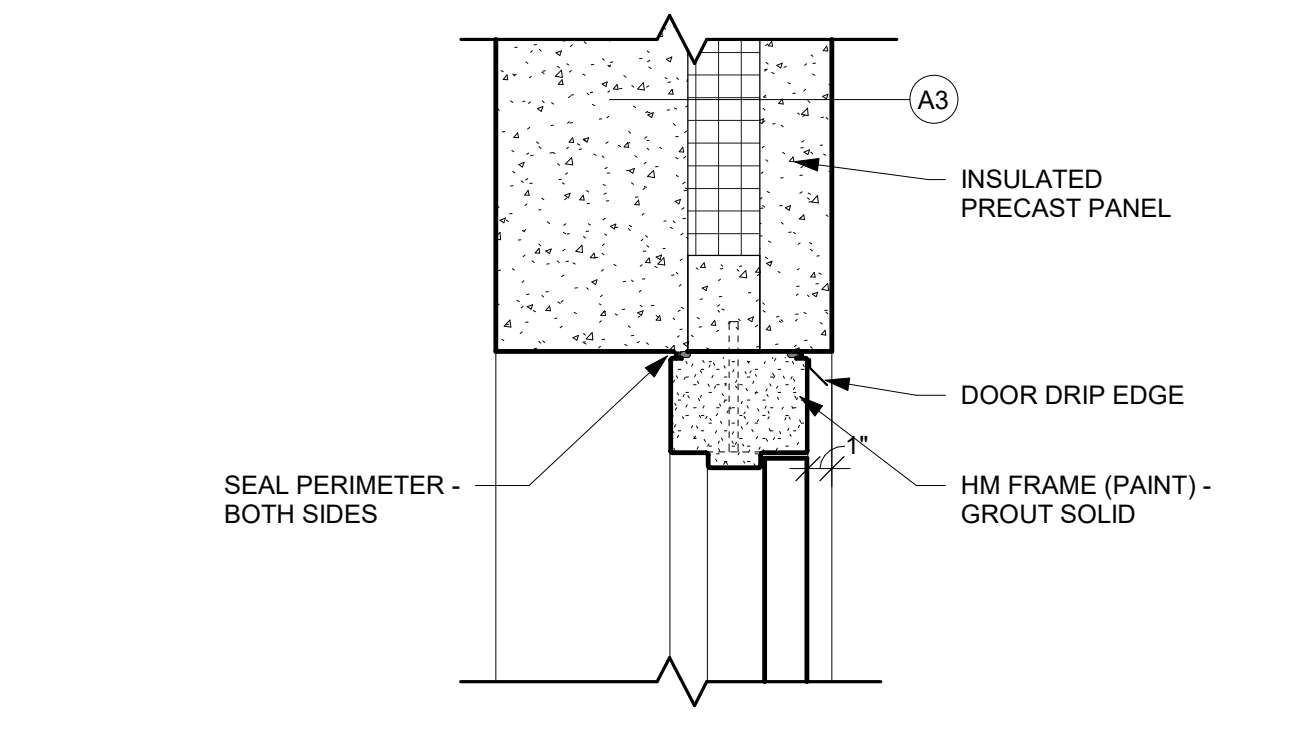
**17** DOOR JAMB DETAIL  
1 1/2" = 1'-0"



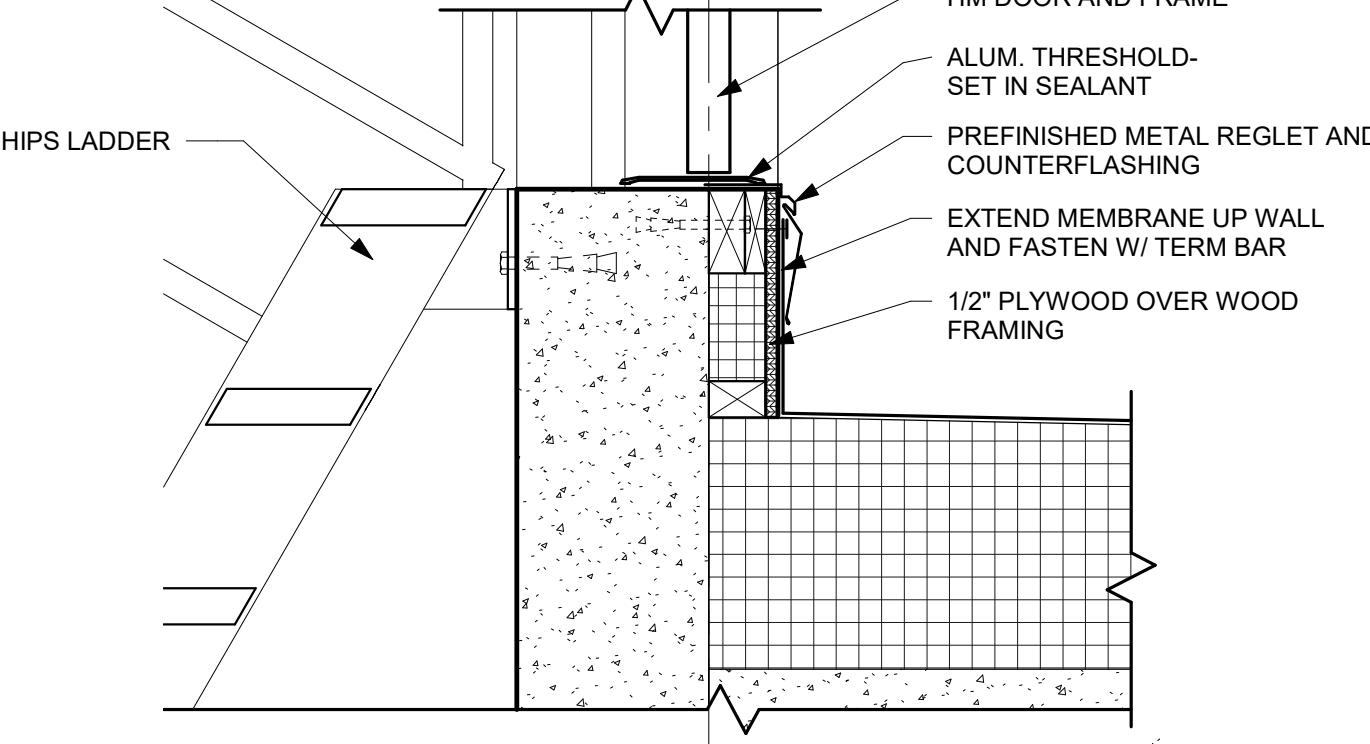
**22** DOOR JAMB DETAIL  
1 1/2" = 1'-0"



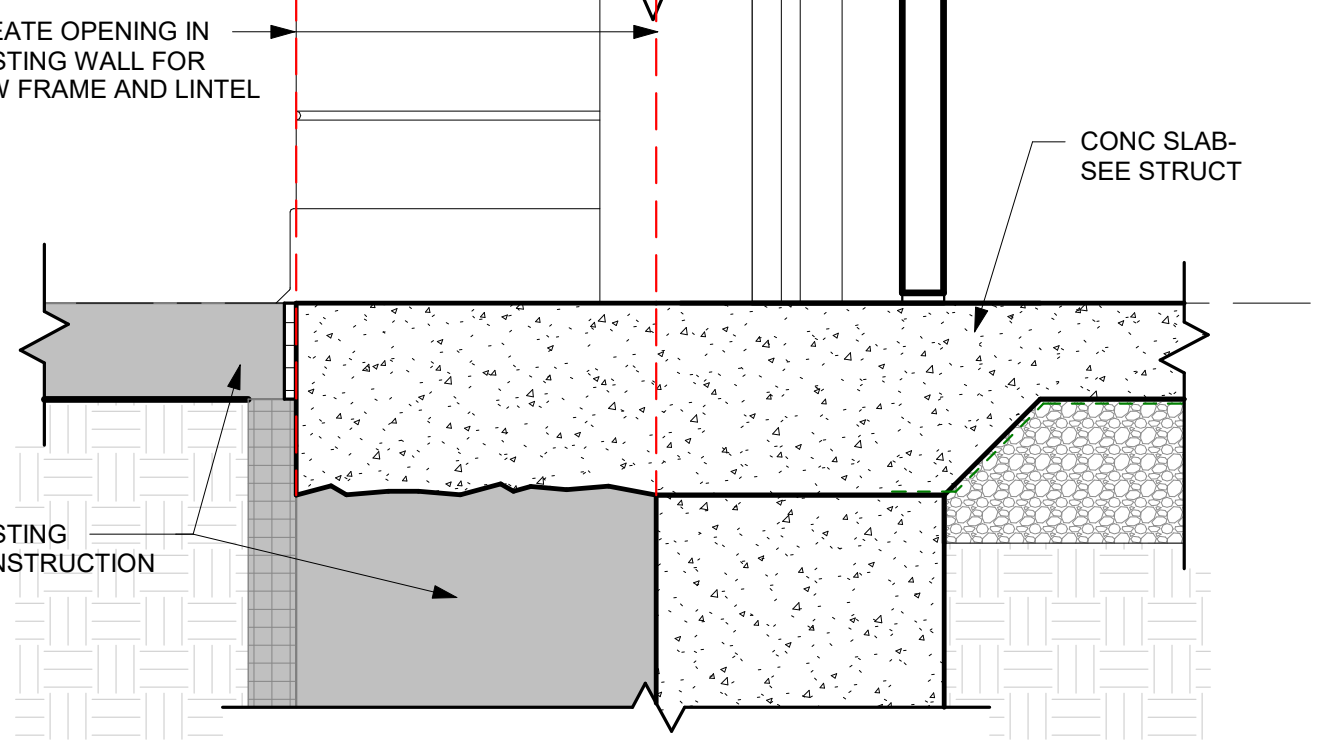
**1** DOOR HEAD DETAIL  
1 1/2" = 1'-0"



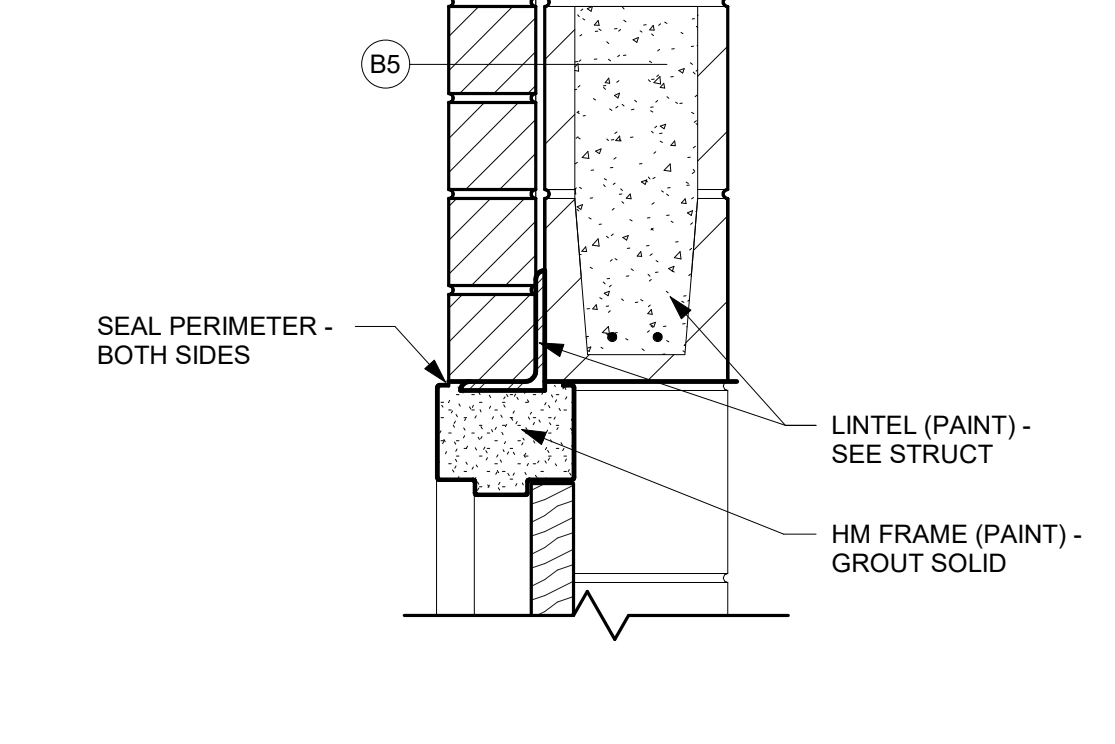
**6** DOOR HEAD DETAIL  
1 1/2" = 1'-0"



**11** DOOR SILL DETAIL  
1 1/2" = 1'-0"

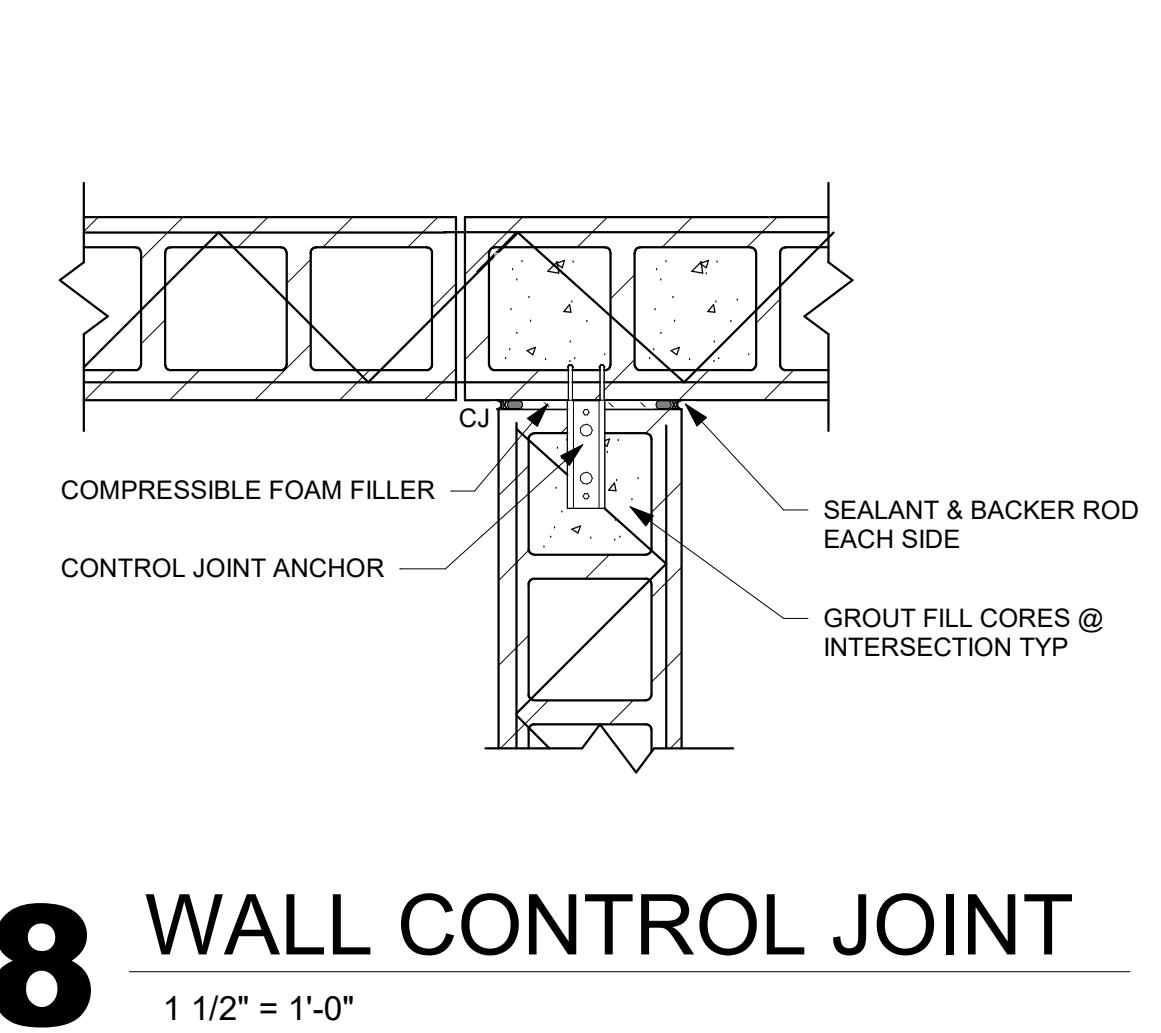
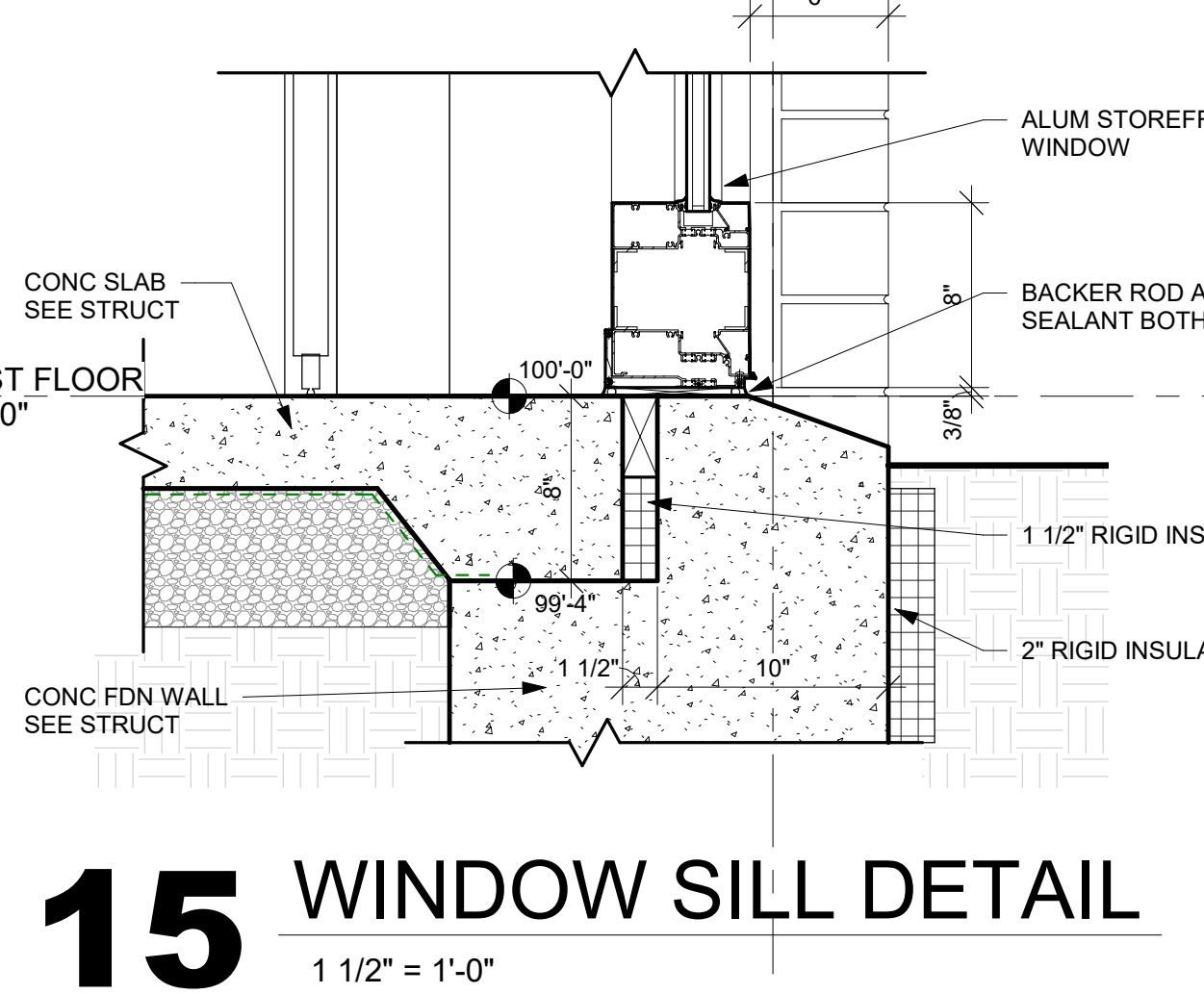
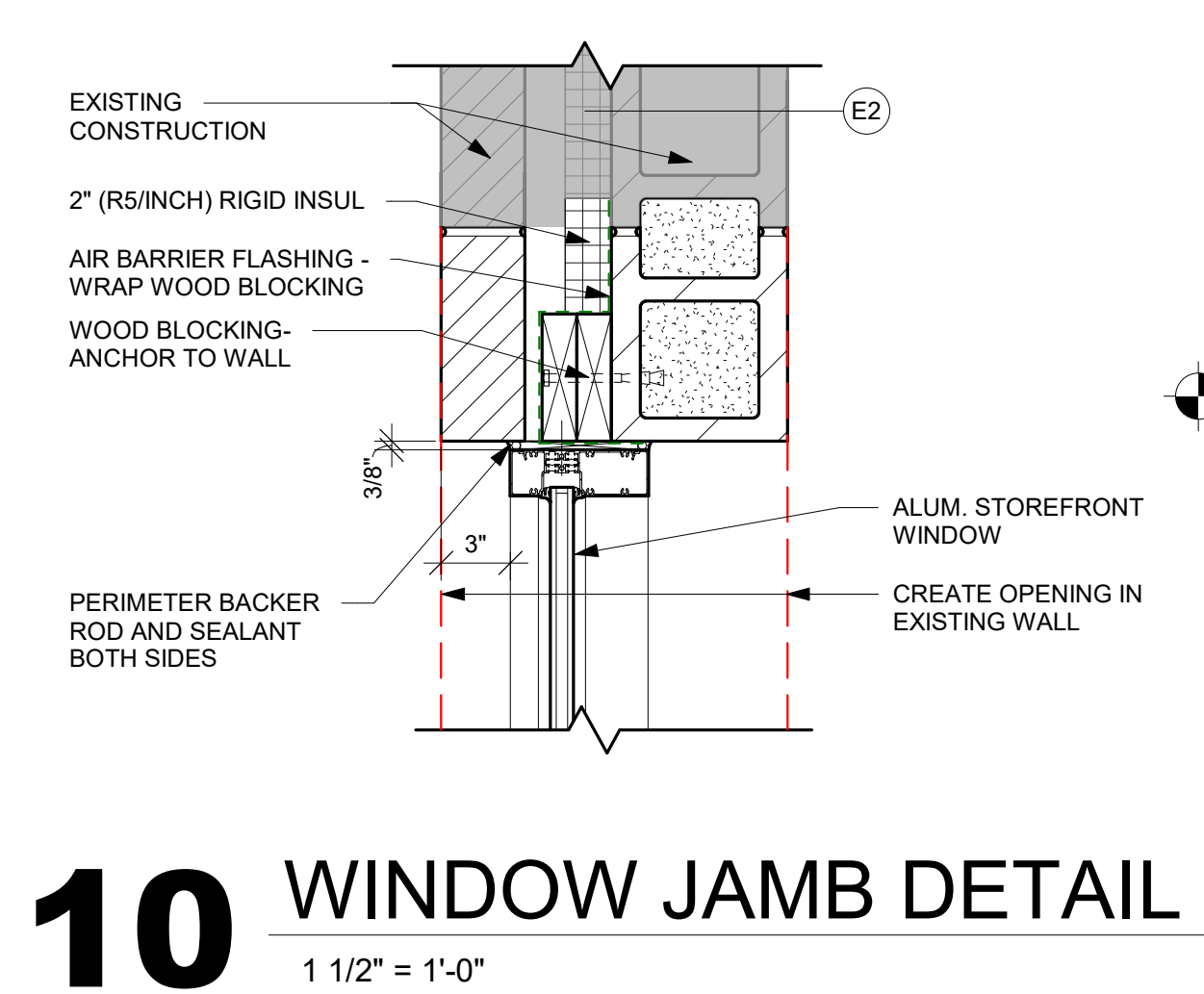
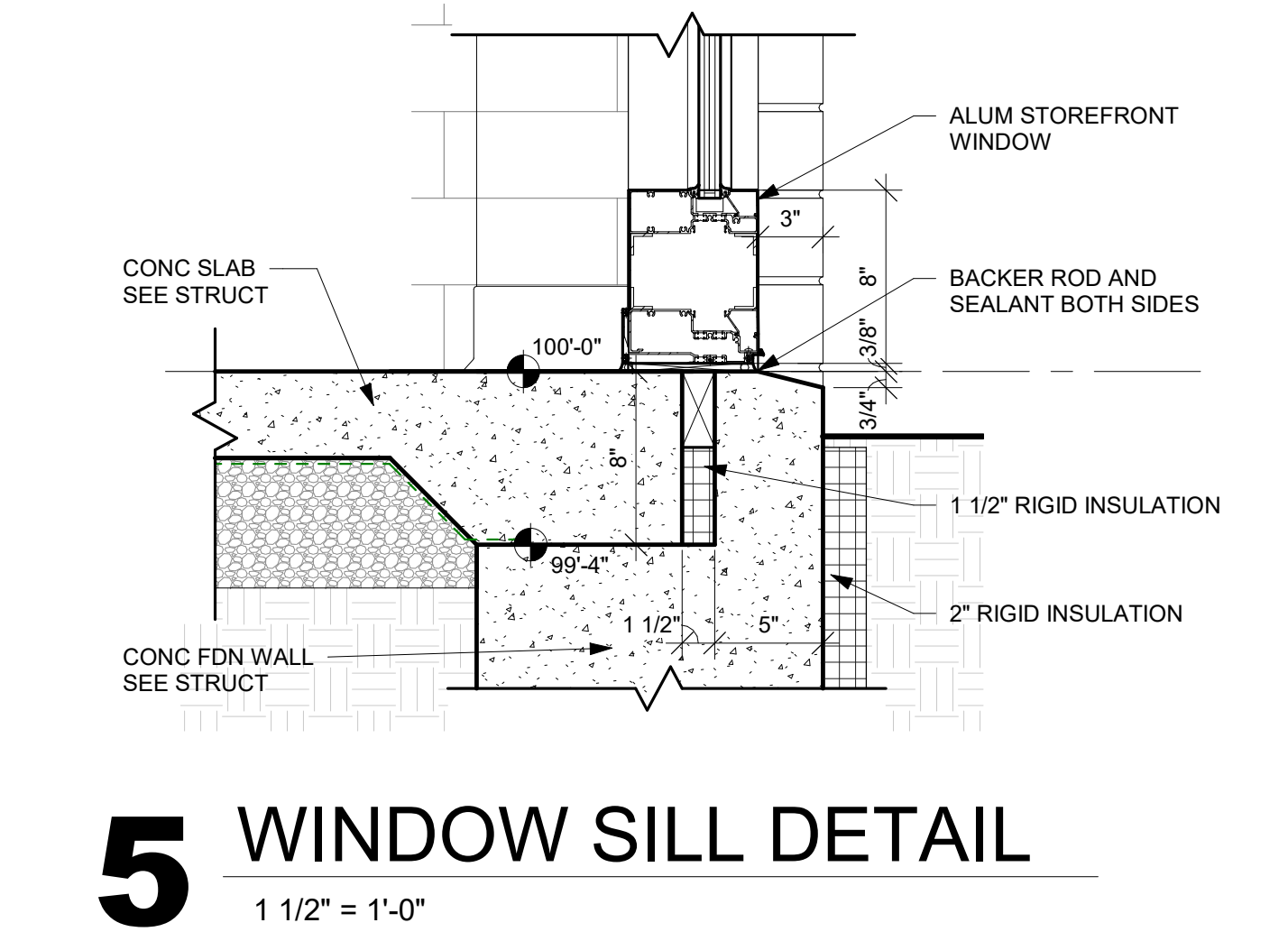
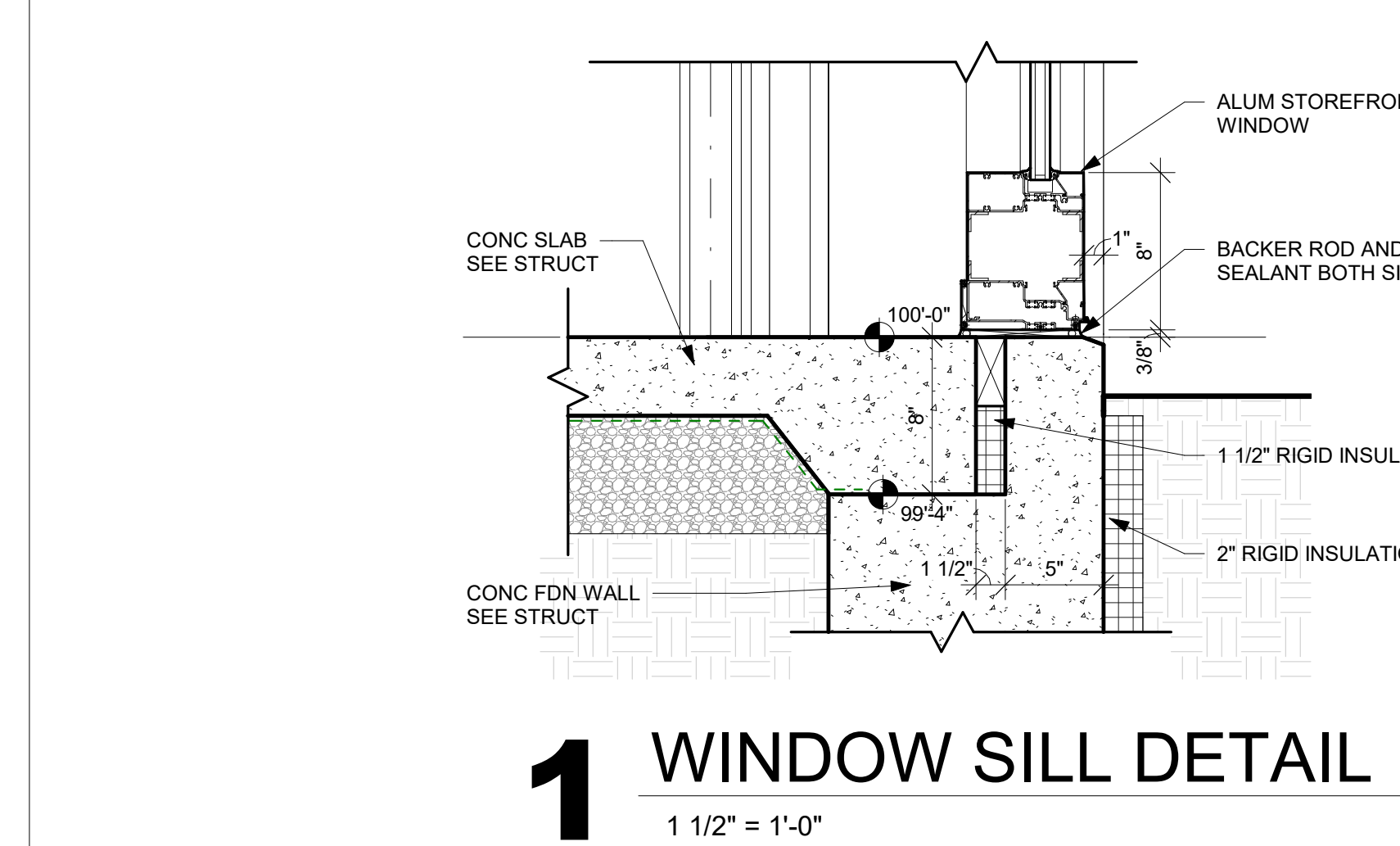
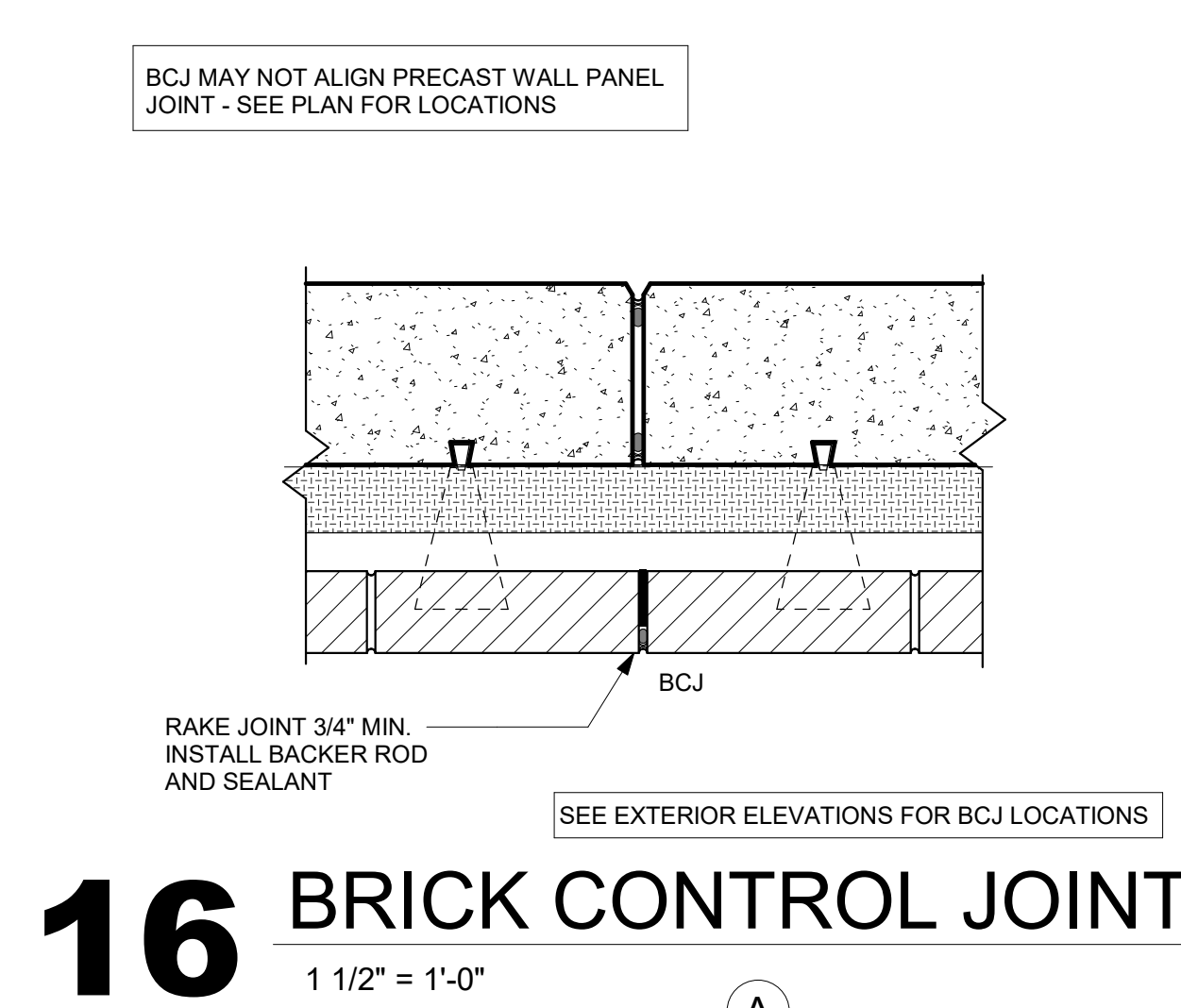
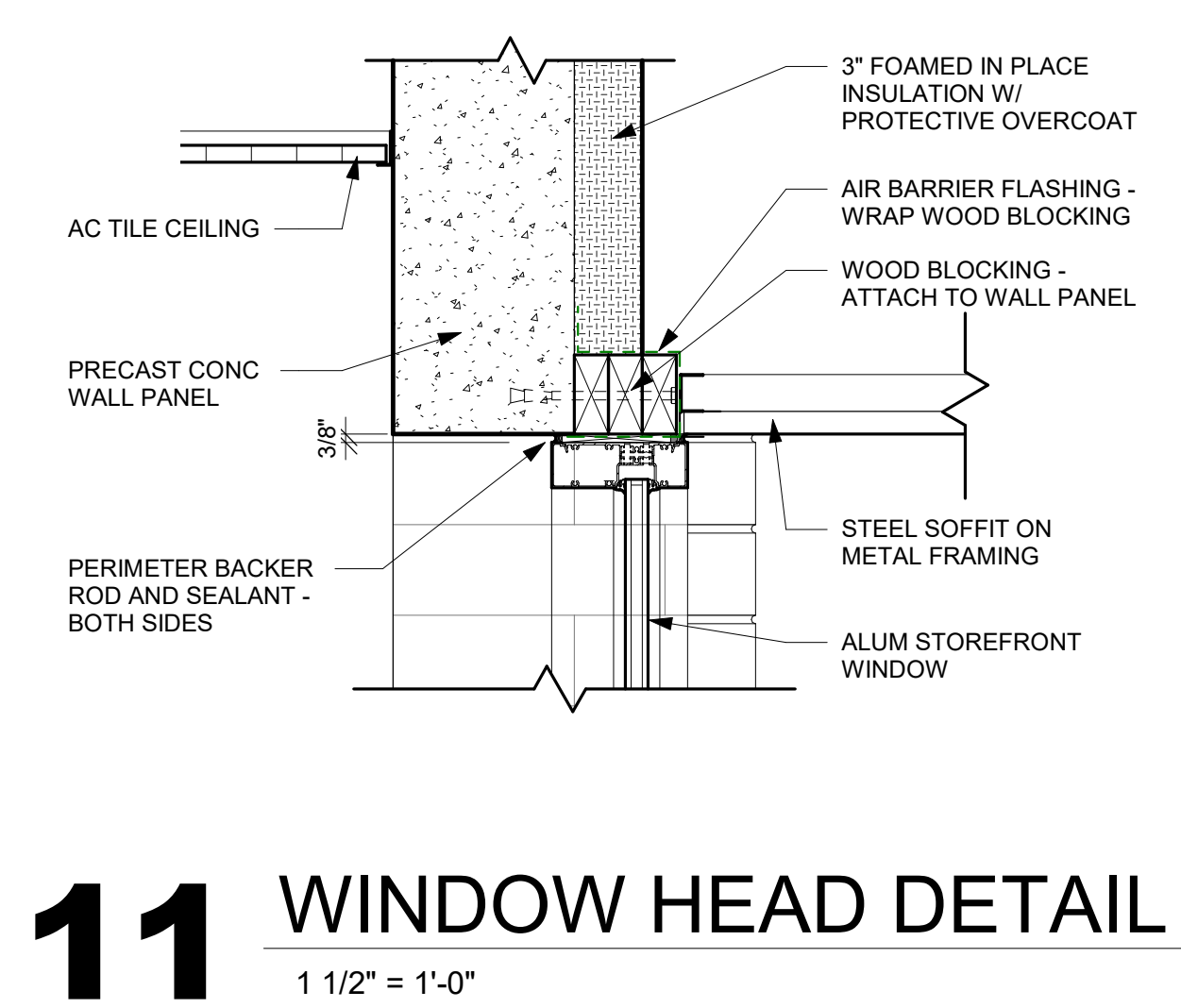
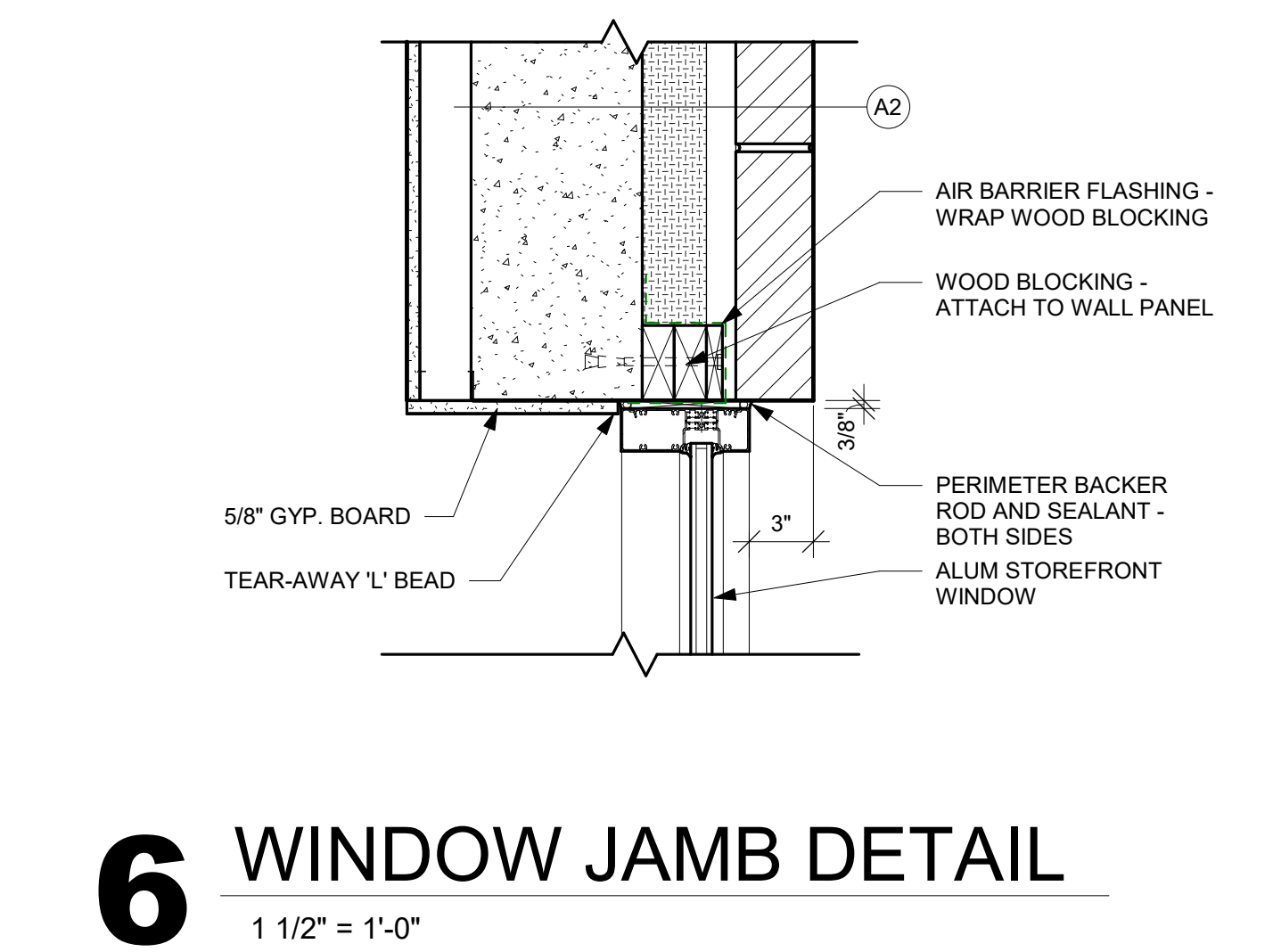
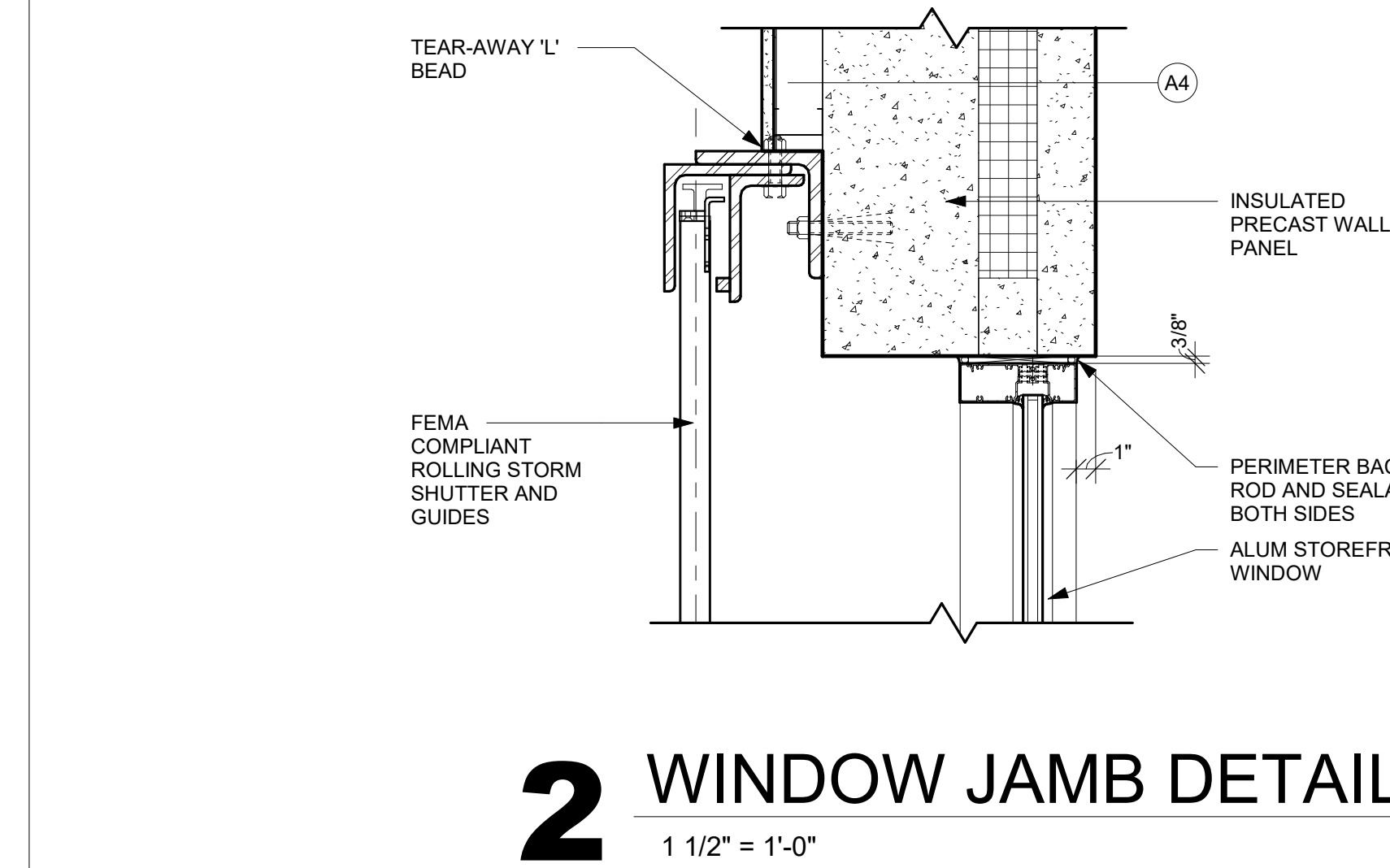
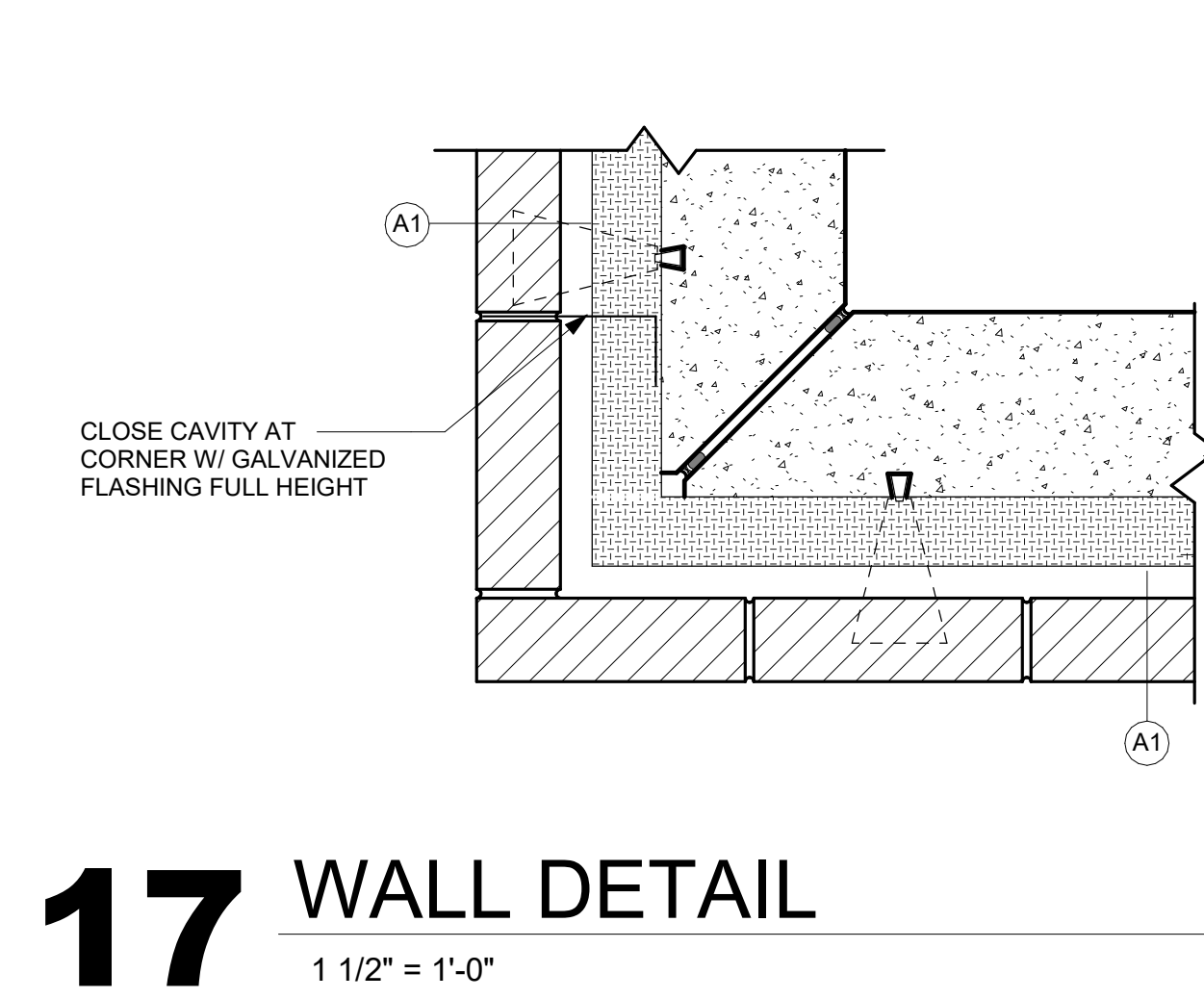
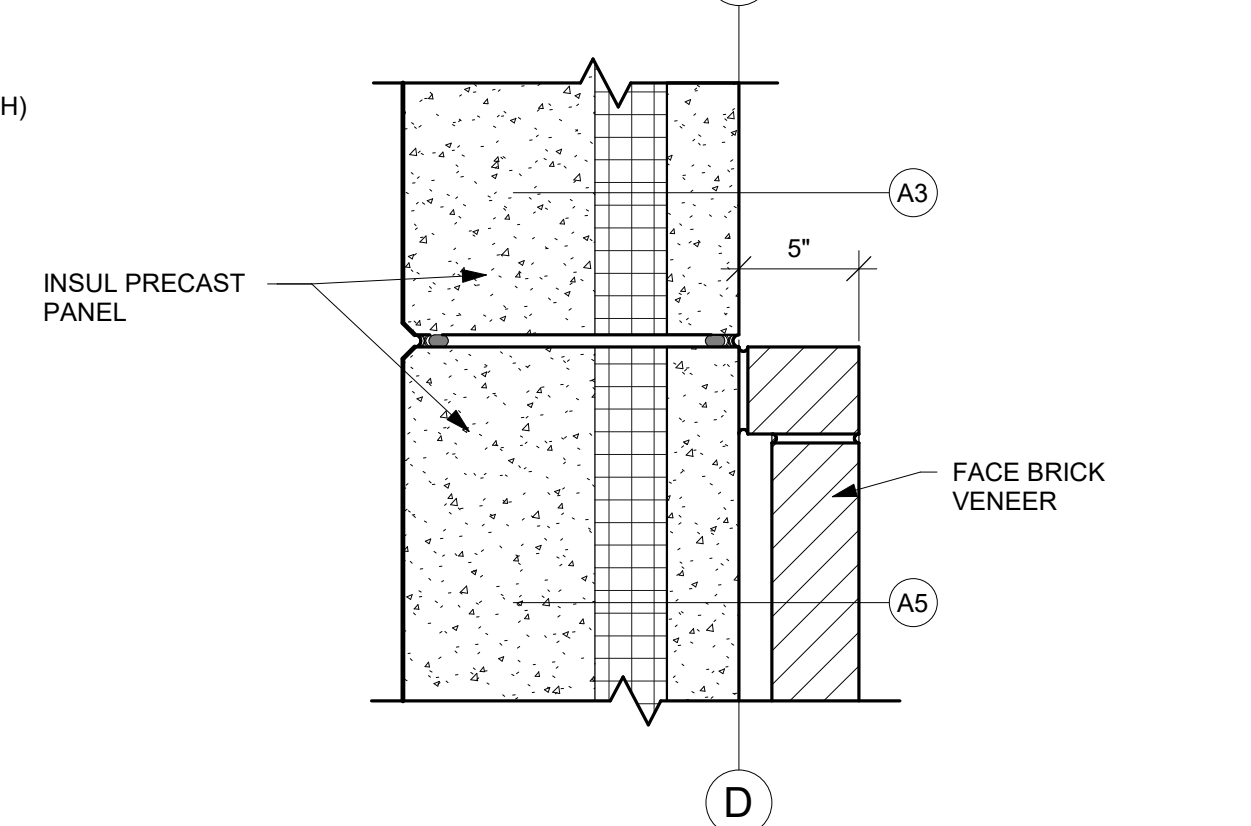
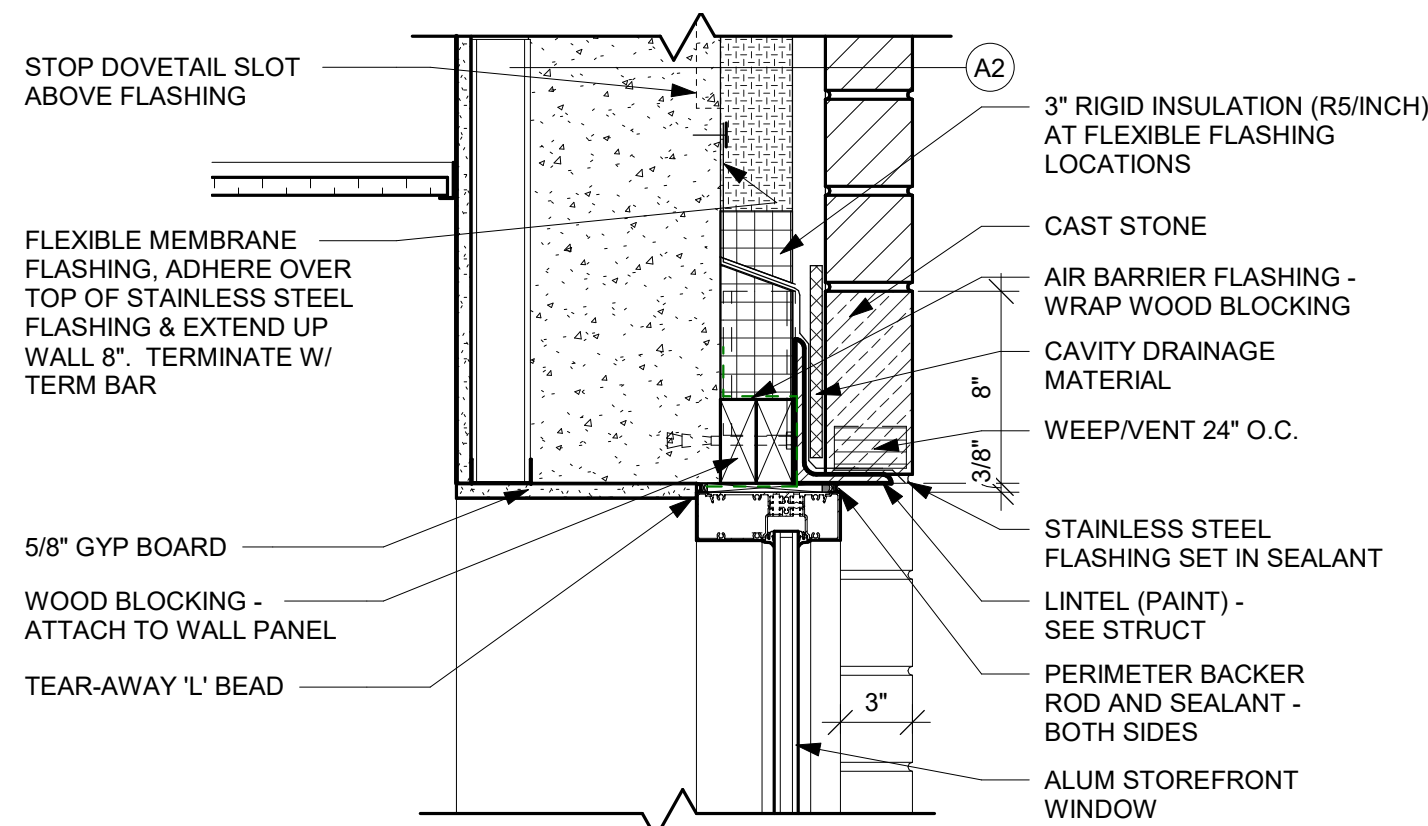
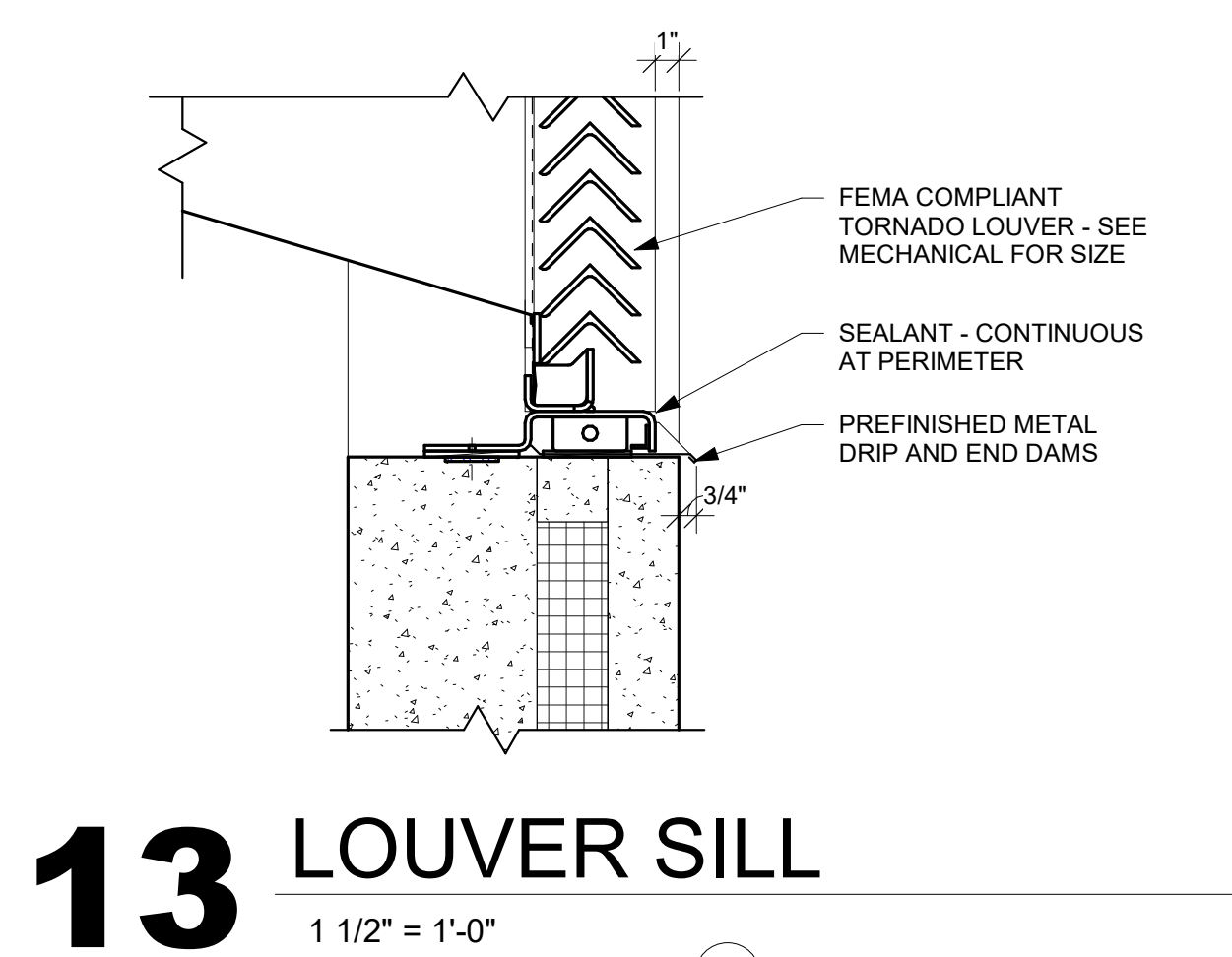
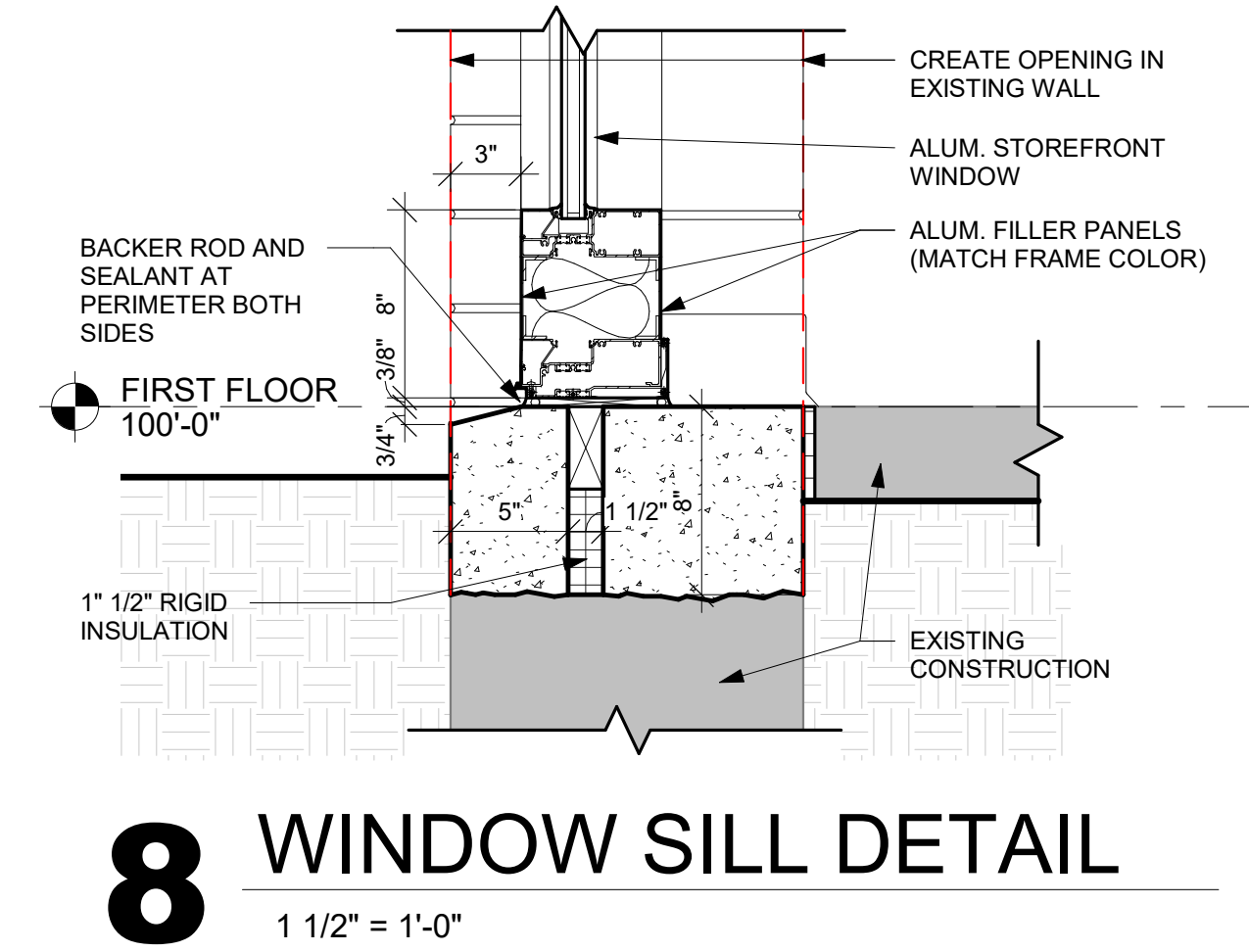
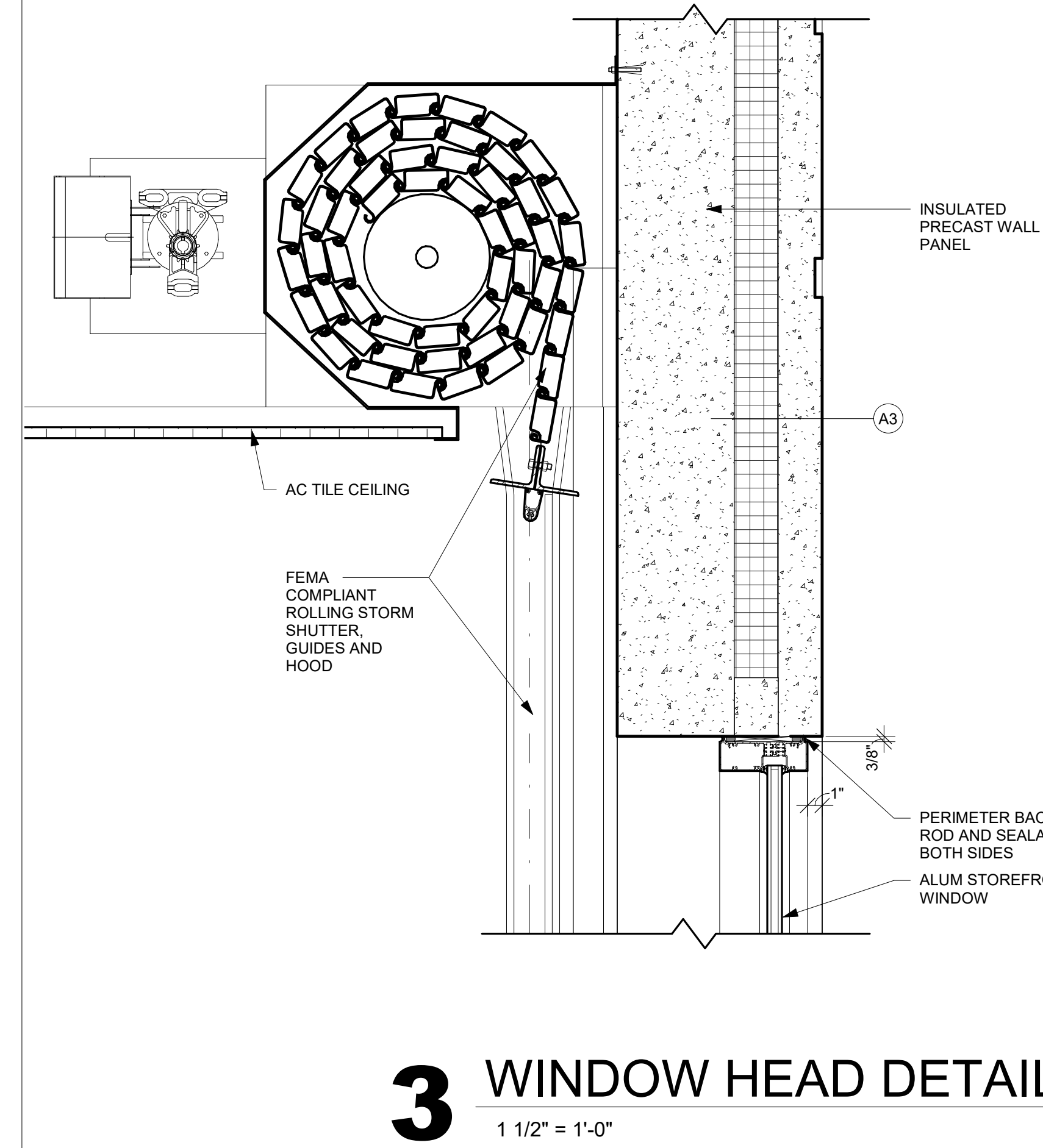
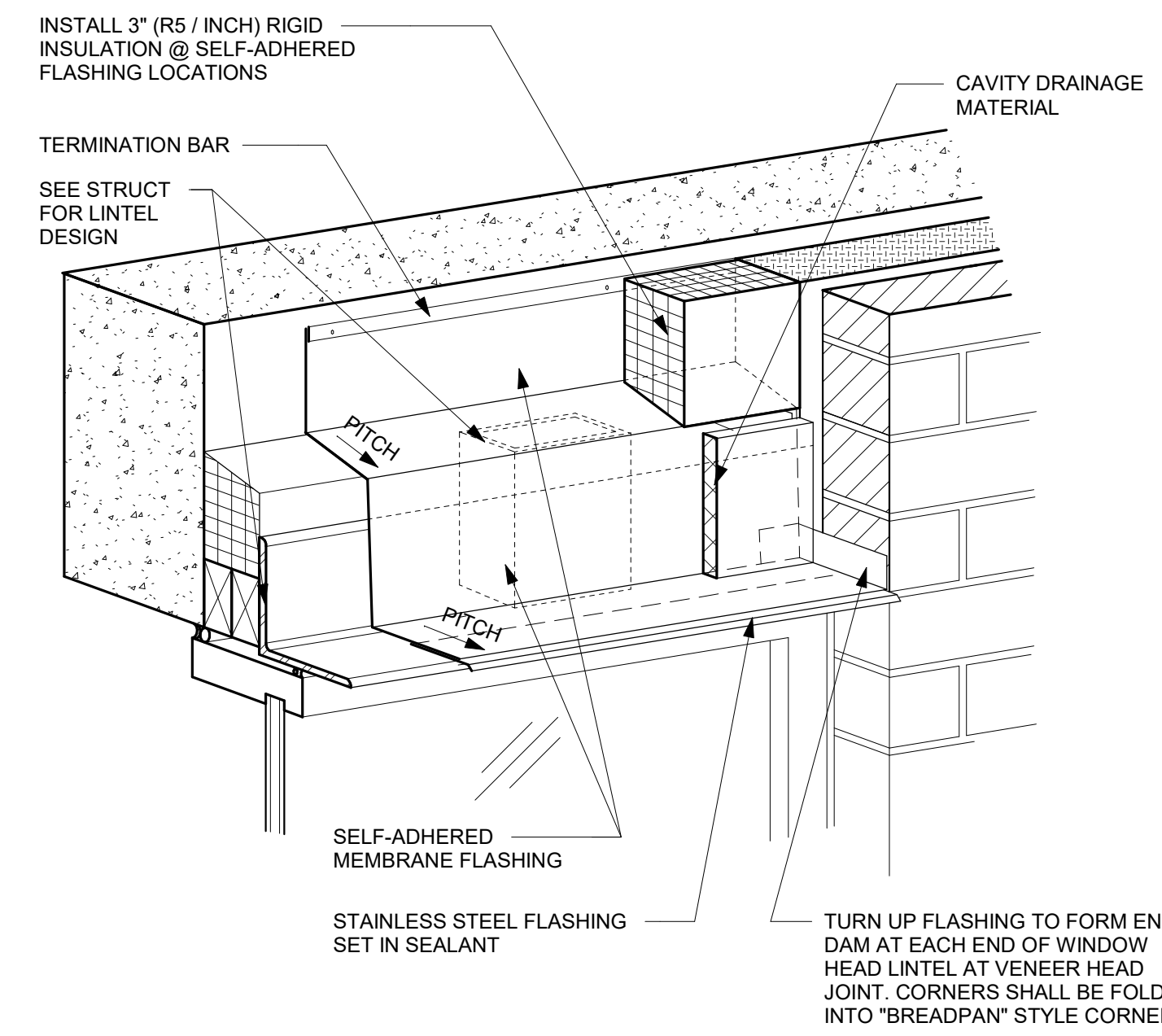
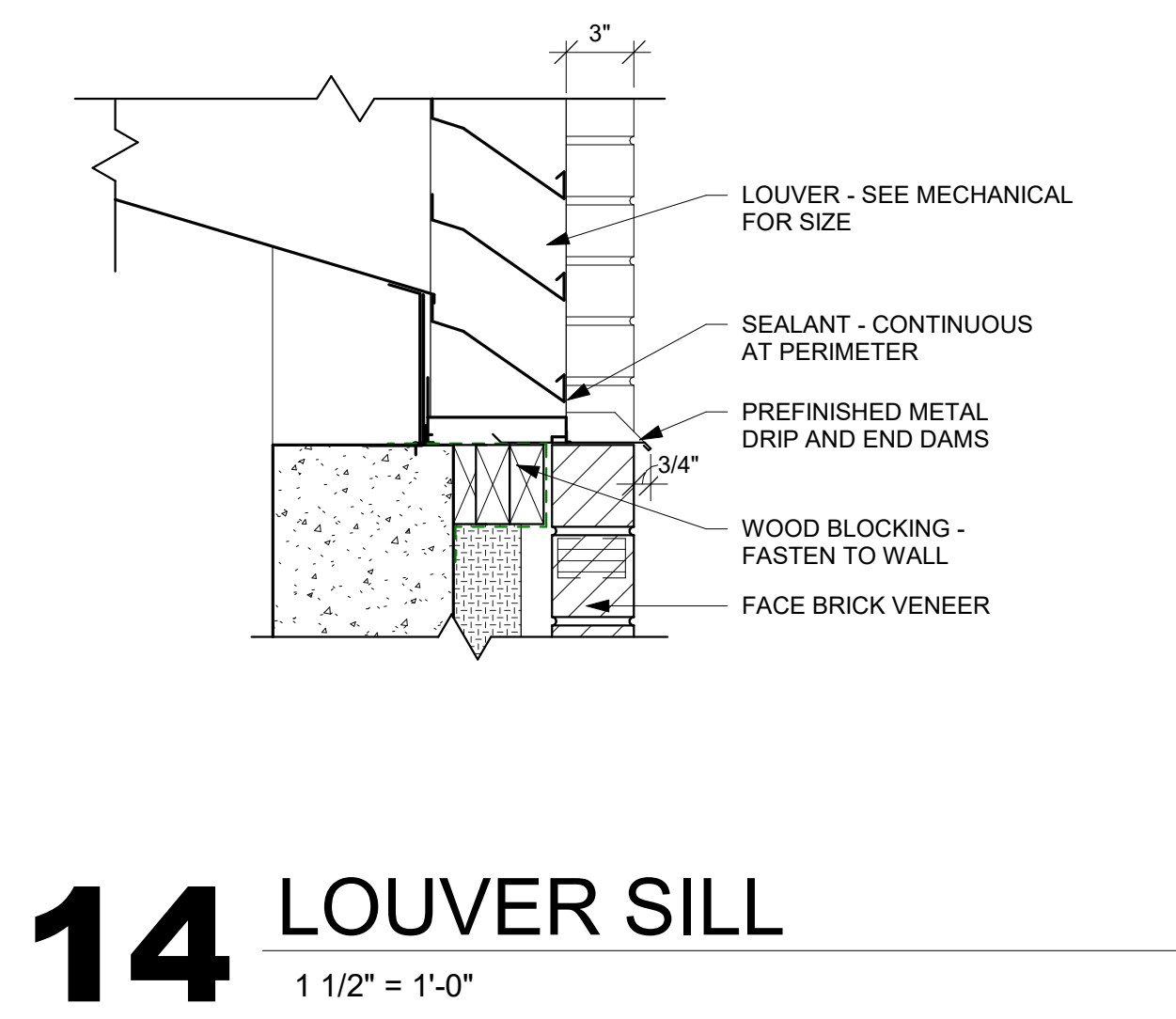
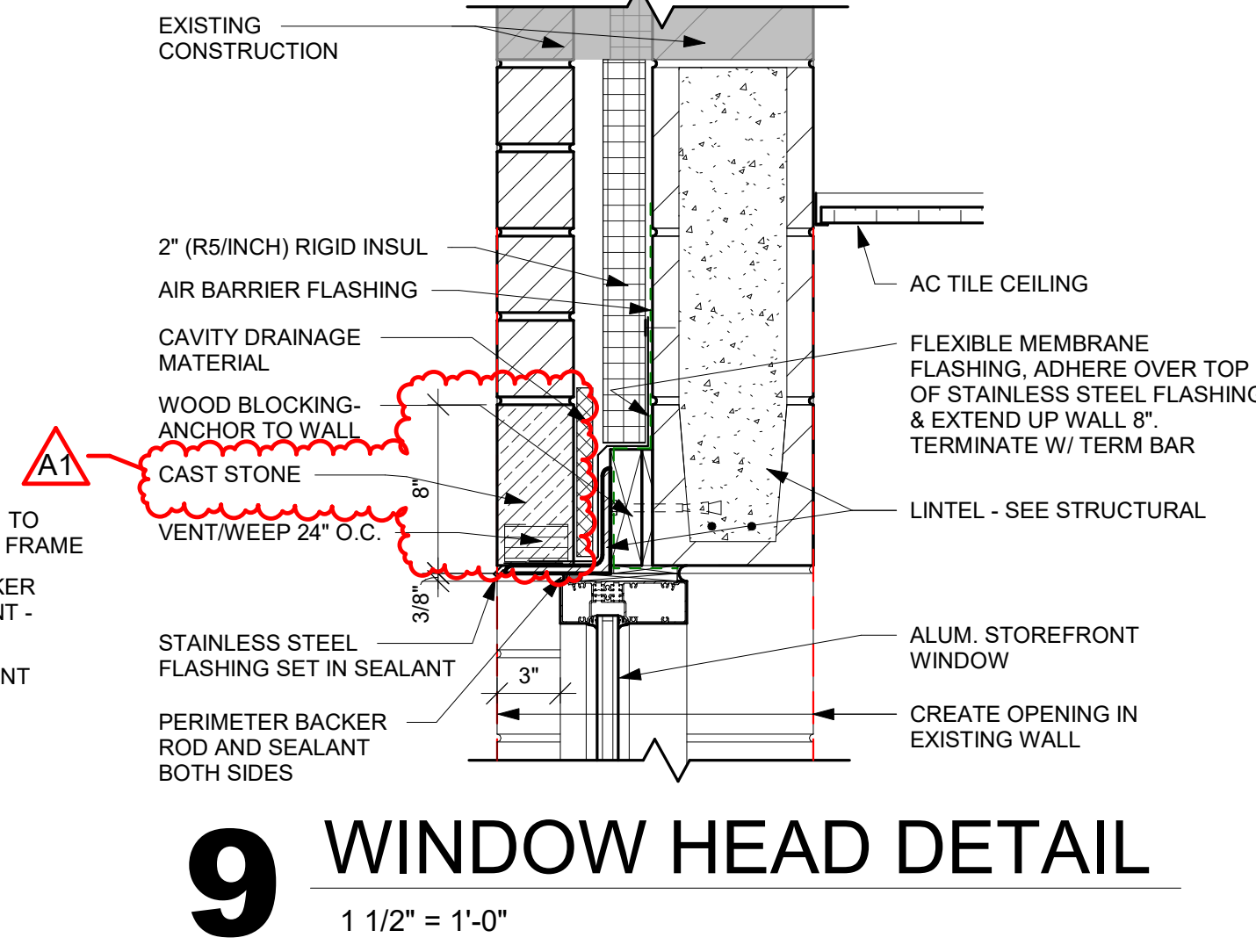
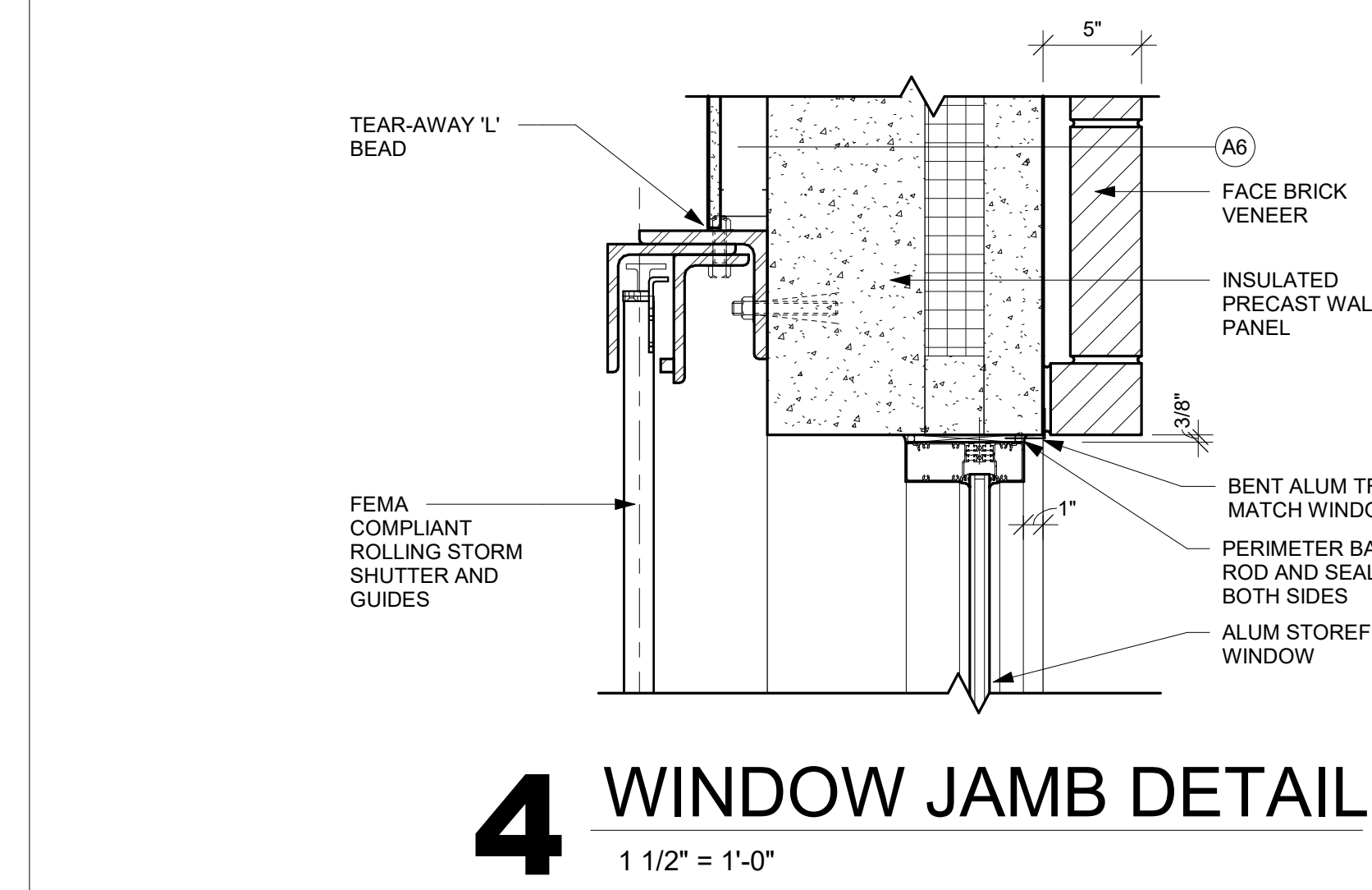


**16** DOOR SILL DETAIL  
1 1/2" = 1'-0"



**21** DOOR HEAD DETAIL  
1 1/2" = 1'-0"

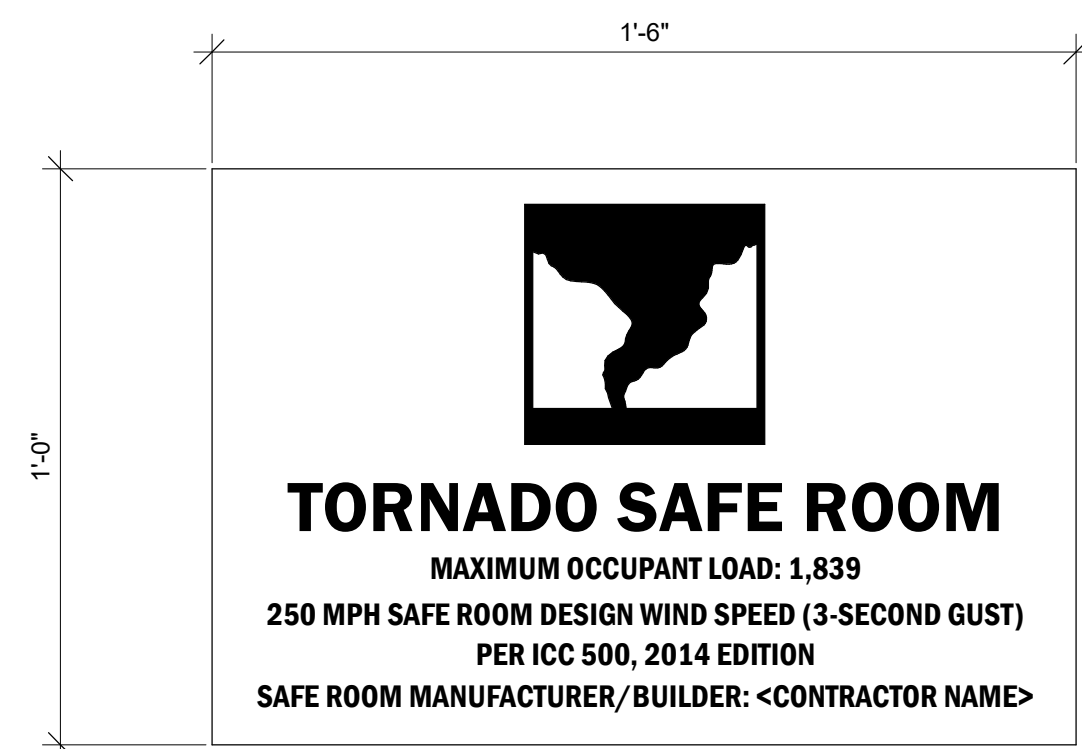




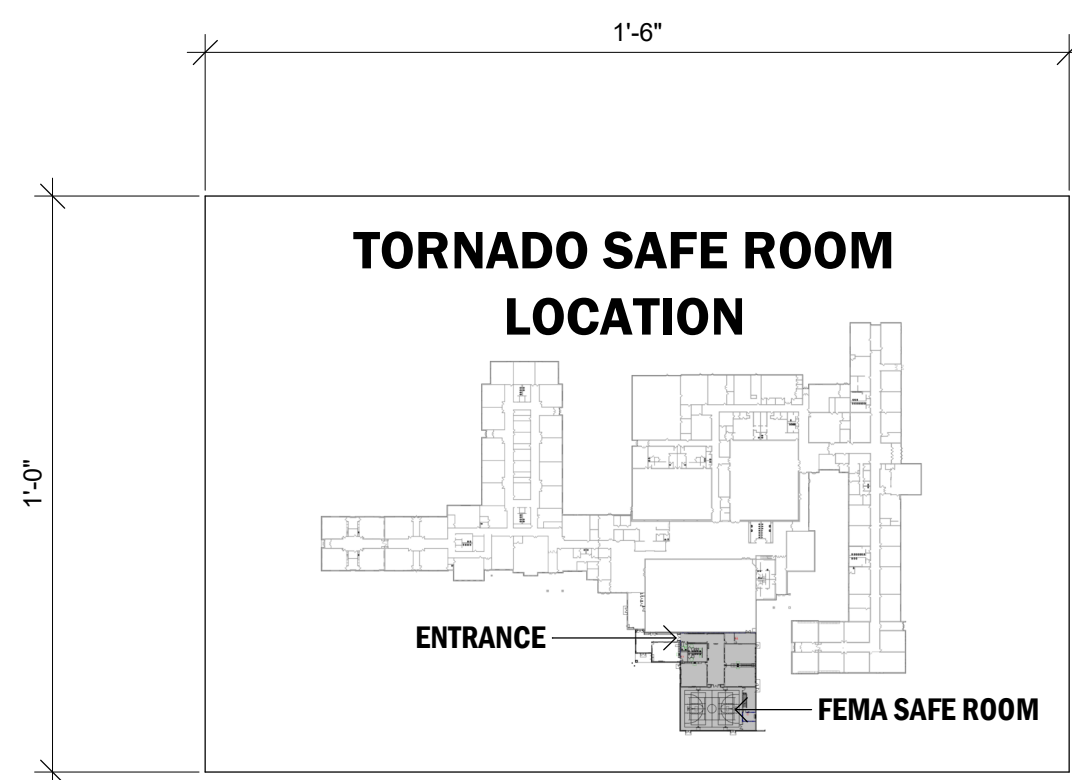








1 SAFE ROOM SIGN  
3" = 1'-0" SEE FLOOR PLAN FOR LOCATIONS

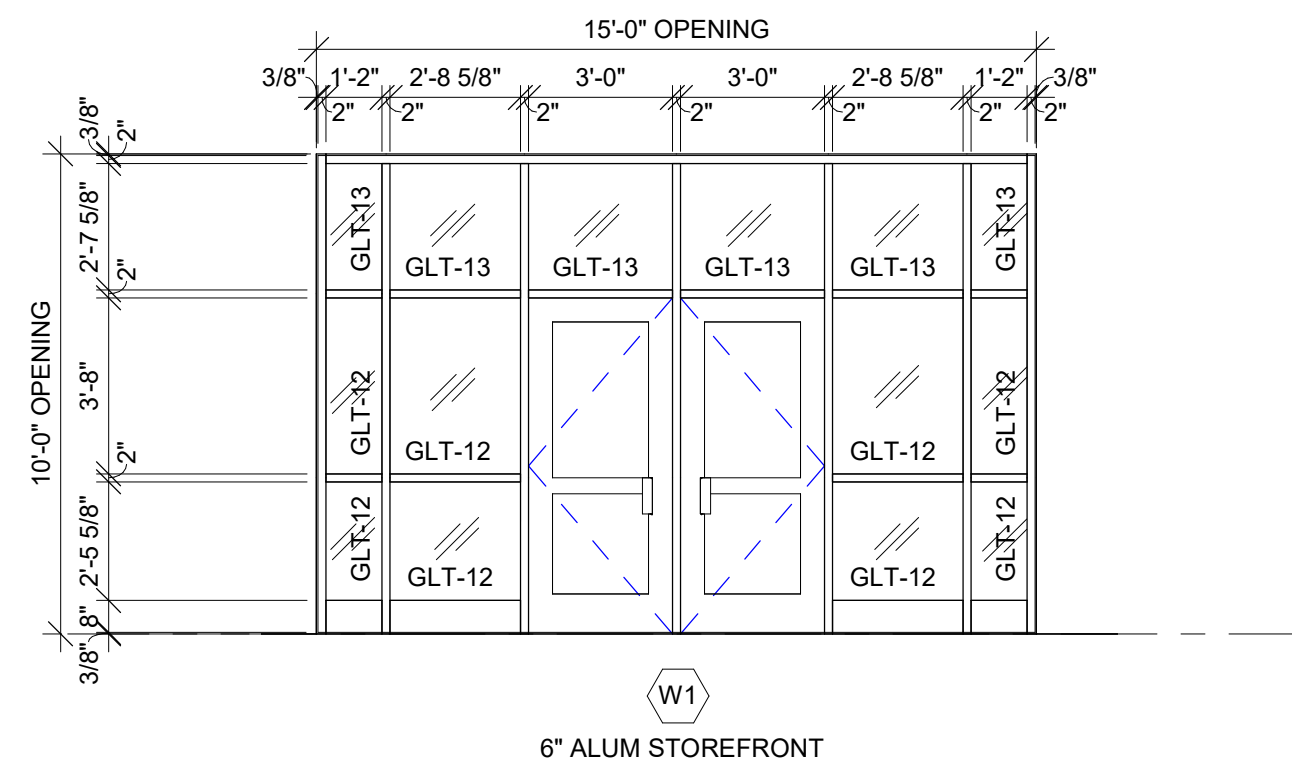


2 SAFE ROOM LOCATION SIGN  
3" = 1'-0" SEE FLOOR PLAN FOR LOCATIONS

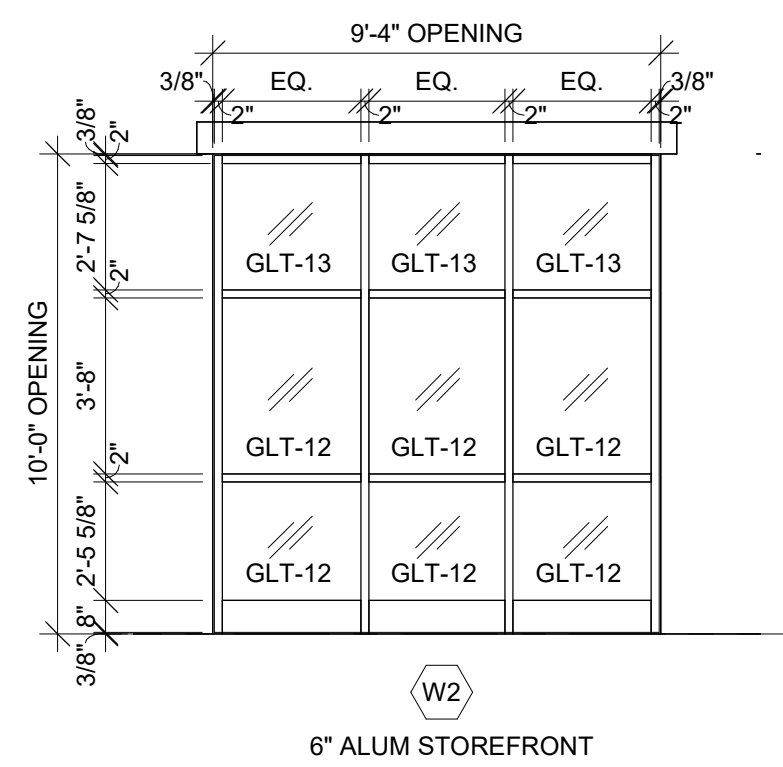
DOOR SCHEDULE																
DOOR						FRAME										
DOOR NO.	SIZE			MAT'L	DOOR TYPE	GLASS TYPE	U-CUT OR LOUVER	MAT'L	FRAME ELEV	DEPTH	DETAILS			FIRE LABEL	HDWR GROUP	REMARKS
	W	H	T								HEAD	JAMB	SILL			
B116.1	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-12		ALUM	W4/A601	6"	9/A501 SIM.	10/A501 SIM.	10/A500	1	1, 3	
B116.2	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-12		ALUM	W4/A601	6"	9/A501 SIM.	10/A501 SIM.	10/A500	1	1, 3	
B116.3	6'-0"	7'-0"	1 3/4"	SCWD	D	GLT-8	A1	HM	CC	5 3/4"	1/A500	2/A500		2	1, 6	
B116A	3'-0"	7'-0"	1 3/4"	SCWD	A			HM	BB	6 5/8"	1/A500	2/A500		3		
B116B.1	6'-0"	7'-0"	1 3/4"	SCWD	C			HM	CC	6 5/8"	1/A500	2/A500		4		
B116B.2	6'-0"	7'-0"	1 3/4"	SCWD	C			HM	CC	6 5/8"	1/A500	2/A500		4		
F101.1	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-12		ALUM	W1/A601	6"	11/A501 SIM.	6/A501 SIM.	5/A500	1	1, 3	
F101.2	3'-0"	7'-0"	1 3/4"	ALUM	E	GLT-12	A1	ALUM	W1/A601	6"	11/A501 SIM.	6/A501 SIM.	5/A500	1	1, 3	
F101.3	6'-0"	7'-0"	1 3/4"	SCWD	D	GLT-8	A1	HM	CC	5 3/4"	16/A500	17/A500	16/A500	5	1, 4	
F101.4	6'-0"	7'-0"	1 3/4"	SCWD	C	GLT-8	A1	HM	CC	5 3/4"	15/A500	14/A500		2	1	
F102	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-8	A1	HM	BB	5 3/4"	21/A500	22/A500		6	1	
F103	3'-0"	7'-0"	1 3/4"	SCWD	A			HM	BB	5 3/4"	19/A500	19/A500 SIM.		7	2	
F104	3'-0"	7'-0"	1 3/4"	SCWD	A		UNDERCUT	HM	BB	5 5/8"	1/A500	2/A500		8		
F105	6'-0"	7'-0"	1 3/4"	HM	C			HM	CC	5 3/4"	19/A500	19/A500 SIM.		9	1, 2, 4	
F108.1	3'-0"	7'-0"	1 3/4"	SCWD	B	GLT-8	A1	HM	BB	5 3/4"	3/A500	4/A500		6	1	
F108.2	3'-0"	7'-0"	1 3/4"	HM	A			HM	BB	5 3/4"	6/A500	7/A500, 9/A500	5/A500	10	2, 3	
F108.3	6'-0"	9'-0"	1 1/2"	STEEL	G			STEEL			3/A501	4/A501	15/A501	5		
F108.4	6'-0"	9'-0"	1 1/2"	STEEL	G	GLT-8	A1	STEEL			3/A501	4/A501	15/A501	5		
F110	3'-0"	7'-0"	1 3/4"	SCWD	B			HM	BB	5 3/4"	3/A500	4/A500		11		
F111.1	3'-0"	7'-0"	1 3/4"	SCWD	A			HM	BB	5 5/8"	1/A500	2/A500		3		
F111.2	6'-0"	7'-0"	1 3/4"	HM	C			HM	CC	5 3/4"	15/A500	14/A500		12	1, 2	
F112.1	3'-0"	7'-0"	1 3/4"	SCWD	B			HM	BB	5 3/4"	3/A500	4/A500		6	1	
F112.2	3'-0"	7'-0"	1 3/4"	HM	A			HM	BB	5 3/4"	6/A500	7/A500	5/A500	10	2, 3	
F112.3	6'-0"	9'-0"	1 1/2"	STEEL	G			STEEL			3/A501	2/A501	1/A501	5		
F112.4	6'-0"	9'-0"	1 1/2"	STEEL	G	GLT-8	A1	STEEL			3/A501	2/A501	1/A501	5		
F113.1	3'-0"	7'-0"	1 3/4"	SCWD	B			HM	BB	5 3/4"	3/A500	4/A500		6	1	
F113.2	3'-0"	7'-0"	1 3/4"	HM	A			HM	BB	5 3/4"	6/A500	7/A500	5/A500	10	2, 3	
F113.3	6'-0"	9'-0"	1 1/2"	STEEL	G			STEEL			3/A501	2/A501	1/A501	5		
F113.4	6'-0"	9'-0"	1 1/2"	STEEL	G	GLT-8	A1	STEEL			3/A501	2/A501	1/A501	5		
F114.1	6'-0"	7'-0"	1 3/4"	SCWD	F			HM	JJ	8 5/8"	20/A500			13		
F114.2	6'-2"	7'-0"	1 3/4"	HM	C			HM	DD	5 3/4"	6/A500	7/A500, 9/A500	5/A500	14	1, 2, 3	
F114.3	6'-2"	7'-0"	1 3/4"	HM	C			HM	DD	5 3/4"	6/A500	9/A500	5/A500	14	1, 2, 3	
F115.1	3'-6"	7'-0"	1 3/4"	SCWD	A			HM	BB	5 3/4"	3/A500	4/A500		15		
F115.2	3'-6"	7'-0"	1 3/4"	HM	A			HM	BB	5 3/4"	8/A500	9/A500	5/A500	10	2, 3	
F116	3'-6"	7'-0"	1 3/4"	HM	A			HM	BB	5 5/8"	1/A500	2/A500	5/A500	10	MIN.	
F117	6'-0"	7'-0"	1 3/4"	SCWD	C			HM	CC	5 3/4"	3/A500	4/A500		17	1	
F201	3'-0"	7'-0"	1 3/4"	HM	A		UNDERCUT	HM	BB	5 3/4"	13/A500	12/A500	11/A500	10	2, 3	
F202	3'-6"	7'-0"	1 3/4"	HM	A			HM	BB	8 5/8"	1/A500	2/A500		16		

DOOR SCHEDULE GENERAL NOTES										DOOR SCHEDULE REMARKS						
HM = HOLLOW METAL IHM=INSULATED HOLLOW METAL ALUM = ALUMINUM SCWD = SOLID CORE WOOD DOOR										1. ACCESS CONTROL AND ELECTRIC STRIKE REQUIRED.						
A. SEE SPECIFICATIONS FOR DOOR HARDWARE GROUPS										2. UL WINDSTORM CERTIFIED DOOR AND FRAME, MEETING FEMA 361/ICC 500 STANDARDS						
B. ALL HM (HOLLOW METAL) AND IHM (INSULATED HOLLOW METAL) DOORS AND FRAMES SHALL BE PAINTED										3. DOOR CONTACTS REQUIRED						
C. ALL DOUBLE DOORS TO HAVE TWO EQUAL LEAFS UNLESS NOTED OTHERWISE										4. HOLD OPEN TIED TO FIRE ALARM						
										5. FEMA COMPLIANT ROLLING STORM SHUTTER						
										6. NEW DOOR AND FRAME IN EXISTING OPENING - FIELD VERIFY SIZE						

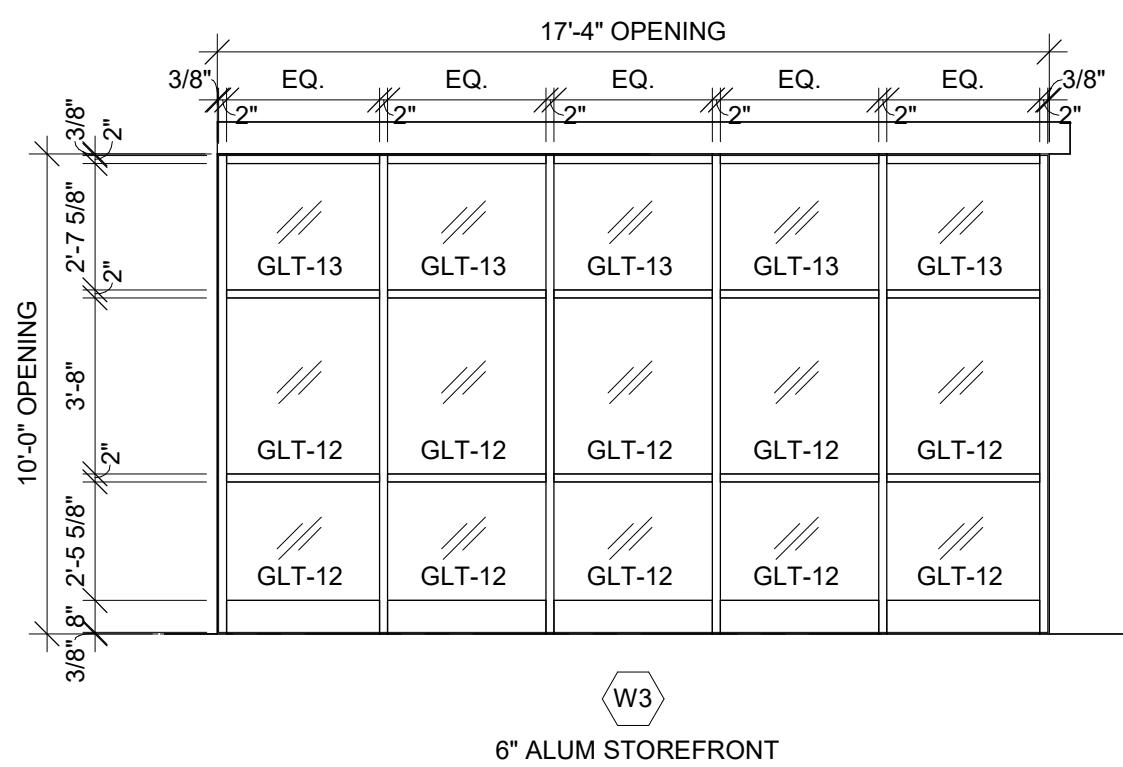
DOOR FRAME GENERAL NOTES																
HM = HOLLOW METAL ALUM = ALUMINUM																
A. ALL HM (HOLLOW METAL) FRAMES SHALL BE PAINTED.																
DOOR FRAME TYPES																



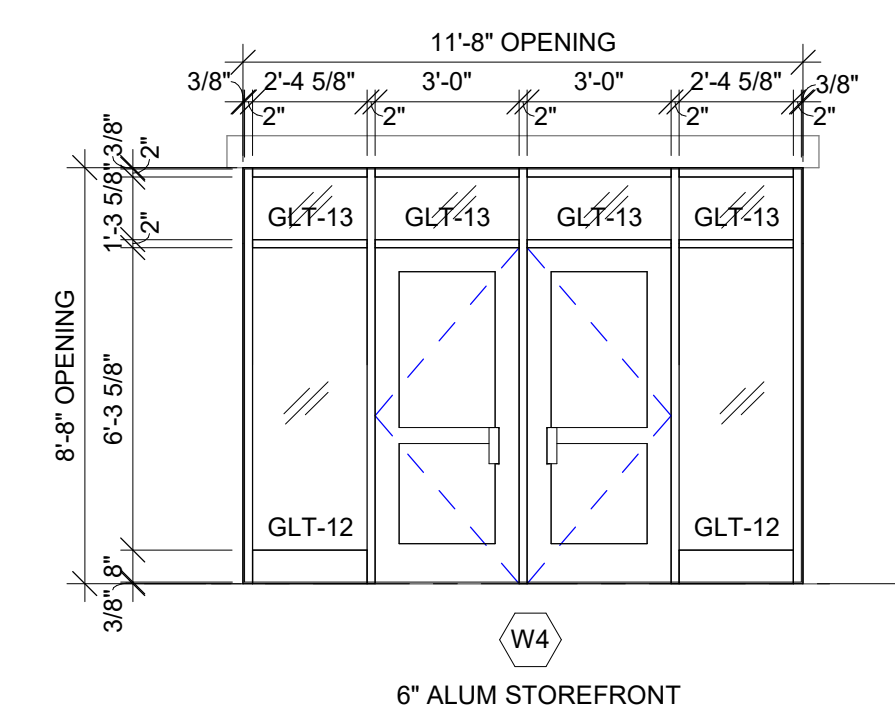
W1 FRAME W1  
1/4" = 1'-0"



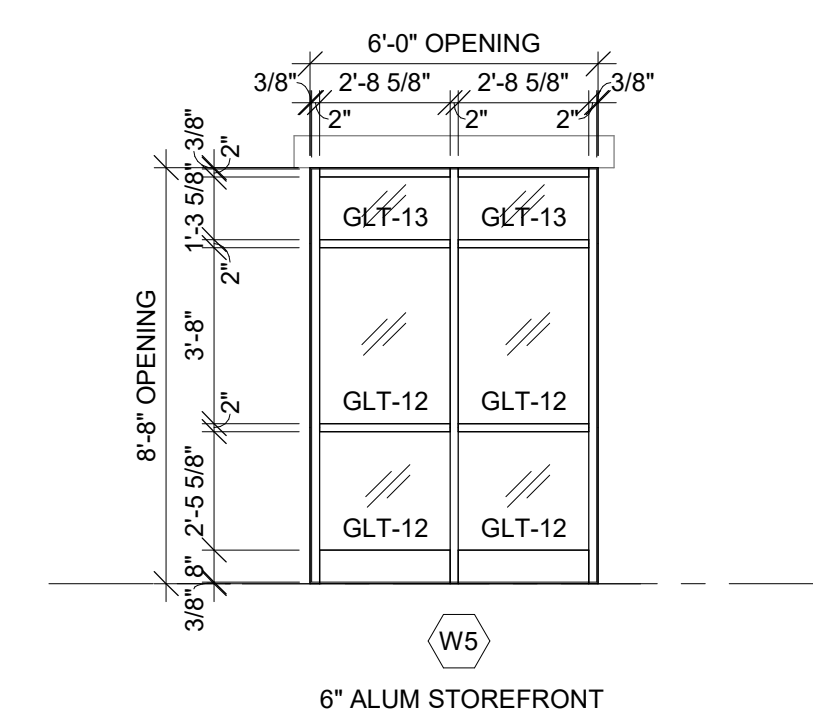
W2 FRAME W2  
1/4" = 1'-0"



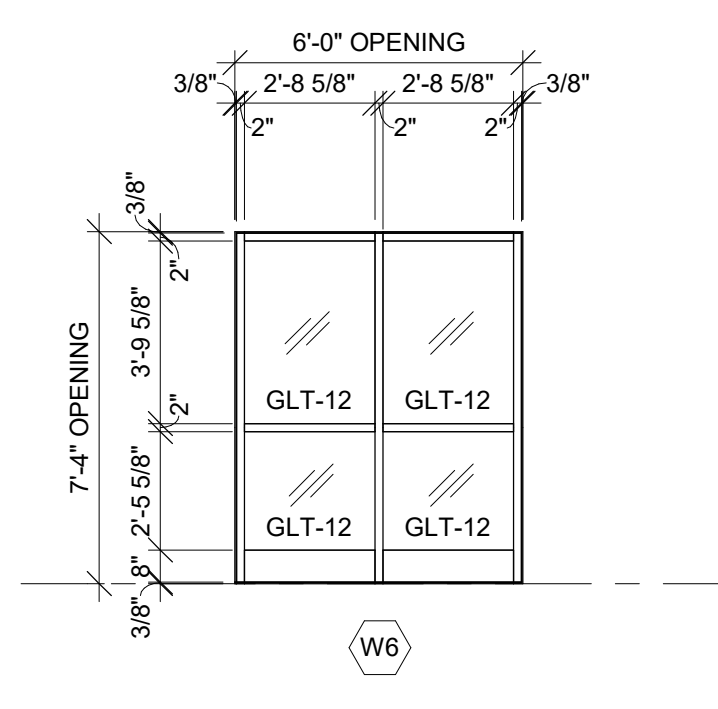
W3 FRAME W3  
1/4" = 1'-0"



W4 FRAME W4  
1/4" = 1'-0"



W5 FRAME W5  
1/4" = 1'-0"



W6 FRAME W6  
1/4" = 1'-0"

ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN



HSR ASSOCIATES INC.  
100 MILWAUKEE STREET  
LA CROSSE, WISCONSIN  
PHONE: 608.784.1830  
FAX: 608.782.5844  
www.hsrassociates.com

Consultant:

Project Title: ABBOTSFORD SCHOOL DISTRICT

FEMA ADDITION

Project Location: 510 WEST HEMLOCK STREET  
ABBOTSFORD, WISCONSIN

Sheet Title: DOOR SCHEDULE, FRAME TYPES

Project Title:

HSR Project Number: 21027

Project Date: DECEMBER 2021

Drawn By: DJH

Key Plan:

BID DOCUMENTS

Revisions:  
No. Description Date  
A1 ADDENDUM 1 12.22.2021

Graphic Scale: VARIES

Last Update: 12/22/2021 11:06:33 AM

A601





**3** FIRST FLOOR ALTERNATE RESTROOM  
1/8" = 1'-0"




**2** EQ. PLATFORM FINISH PLAN  
1/8" = 1'-0"

**1** FIRST FLOOR  
1/8" = 1'-0"







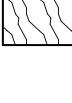
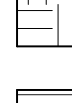
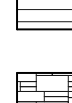
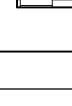
## INTERIOR GENERAL NOTES:

A	REFERENCES TO PAINT PERTAIN TO COLOR ONLY. PAINT TYPE SHALL BE IDENTIFIED IN THE ARCHITECTURAL SPECIFICATIONS.
B	PNT-1 FIELD PAINT; ACCENT PAINT AS INDICATED. SEE ID SHEETS.
C	REFER TO MASTER COLOR SCHEDULE ON ID600 FOR MATERIAL FINISH SPECIFICATIONS, ANNOTATIONS, AND ADDITIONAL INFORMATION.
D	TOILET ROOM WALL AND FLOOR GROUT LINES SHALL ALIGN TO CONTINUE PATTERN THROUGHOUT. SEE A211 FOR ELEVATED PATTERNING.
E	VINYL COMPOSITE EDGE (VCE) TO BE INSTALLED AT DISSIMILAR FINISH AREAS; REFER TO ID SHEETS. INSTALL APPROPRIATE EDGE PROFILE TO PROTECT FINISH EDGES. COLOR AS SELECTED BY A/E.
F	AT DISSIMILAR FLOORING FINISHES, SET JOINT OF MATERIALS AT CENTER OF DOOR. TRANSITIONS TO BE ADA COMPLIANT.

### FINISH KEY PLAN:

	SEE ROOM FINISH REMARKS
	WALL BASE
	ACCENT PAINT

### FINISH LEGEND:

	TLE-1		LVT-1		WCPT-1
	TLE-5		LVT-2		WCPT-2
	FAF-1		LVT-3		
			LVT-4		
			LVT-5		

### ROOM FINISH REMARKS

1	PAINT ALL WALLS PNT-1
2	PAINT ALL WALLS EPOXY PNT-1
3	ALTERNATE - FULL HEIGHT TLE-3 ALL WALLS - ACCENT TLE-2 FULL HEIGHT AS INDICATED ON PLANS.
4	PAINT ALL WALLS PNT-3 - ACCENT ON A210
5	PATCH TO MATCH EXISTING PAINT
6	ALTERNATE - FAF-1
7	WCPT-2
8	ALTERNATE - FULL HEIGHT TLE-2 WITH TT-4 AT CORNERS.
9	SET TILE TO DRAIN TO RIM OF URINAL.



MASTER COLOR SCHEDULE												
MANUFACTURER / COLOR		GENERAL LOCATION	REMARKS	MANUFACTURER / COLOR		GENERAL LOCATION	REMARKS	MANUFACTURER / COLOR		GENERAL LOCATION	REMARKS	
06 41 00 ARCHITECTURAL WOOD CASEWORK				09 65 00 RESILIENT FLOORING/BASE				09 68 13 CARPETING				
PLAM-1 (Plastic Laminate)	<u>Manufacturer:</u> Nevamar <u>Color:</u> Meditation Elm <u>Finish:</u> Natural Wood	Casework Cubbies	Comparable Products by Prior Approval	LVT-1	<u>Manufacturer:</u> Interface <u>Product:</u> Natural Woodgrains <u>Color:</u> Washed Maple <u>Thickness:</u> 4.5mm <u>Size:</u> 25cm x 1m <u>Wear Layer:</u> 22 mil <u>Install:</u>	Field	Comparable Products by Prior Approval	WCPT-1	<u>Manufacturer:</u> <u>Style Name:</u> J+J Flooring <u>Color Name:</u> Incognito Modular <u>Construction:</u> Intelligence 1841 <u>Size:</u> Textured Pattern Loop <u>Installation:</u> 24"x24" Monolithic	Field  Entry F101	Comparable Products by Prior Approval	
PLAM-2	<u>Manufacturer:</u> Nevamar <u>Color:</u> Verdits In <u>Finish:</u> Textured Finish	Countertop	Comparable Products by Prior Approval	LVT-2	<u>Manufacturer:</u> Interface <u>Product:</u> Studio Set <u>Color:</u> Espresso <u>Thickness:</u> 4.5mm <u>Size:</u> 25cm x 1m <u>Wear Layer:</u> 22 mil <u>Install:</u>	Accent  F109, Classrooms, and Community Room	Comparable Products by Prior Approval	WCPT-2	<u>Manufacturer:</u> <u>Style Name:</u> J+J Flooring <u>Color Name:</u> Incognito Modular <u>Construction:</u> Classified 1839 (red) <u>Size:</u> Textured Pattern Loop <u>Installation:</u> 24"x24" Monolithic	Logo  Entry F101	Comparable Products by Prior Approval	
06 61 00 CAST POLYMER FABRICATIONS				09 30 00 TILE				09 72 00 WALL COVERINGS				
SS-1 (Solid Surface)	<u>Manufacturer:</u> Hi Macs <u>Color:</u> Moon Haze G118	Display Case	Comparable Products by Prior Approval	LVT-3	<u>Manufacturer:</u> Interface <u>Product:</u> Studio Set <u>Color:</u> Mushroom <u>Thickness:</u> 4.5mm <u>Size:</u> 25cm x 1m <u>Wear Layer:</u> 22 mil <u>Install:</u>	Accent  F109	Comparable Products by Prior Approval	WC-1 (Wallcovering)	<u>Manufacturer:</u> <u>Style Name:</u> Koroseal <u>Color Name:</u> Tac-Wall Quarry	<div><div>A1</div><div>Display Cases</div></div>	Comparable Products by Prior Approval	
09 30 00 TILE				09 65 00 RESILIENT FLOORING/BASE				09 84 30 SOUND ABSORBING WALL AND CEILING UNITS				
TLE-1 (Tile)	<u>Manufacturer:</u> Ceramic TileWorks <u>Product:</u> Porcelain <u>Style:</u> Derby <u>Color:</u> Vision <u>Size:</u> 12"x24" <u>Install:</u>	Floor Tile  Install: 1/3 offset	Comparable Products by Prior Approval	LVT-4	<u>Manufacturer:</u> Interface <u>Product:</u> Studio Set <u>Color:</u> Red <u>Thickness:</u> 4.5mm <u>Size:</u> 25cm x 1m <u>Wear Layer:</u> 22 mil <u>Install:</u>	Accent  F109	Comparable Products by Prior Approval	AWP-1 (Acoustical Wall Panel)	See spec section for panel fabric  <u>Panel Edge Profile:</u> <u>Panel Size:</u> Square <u>Fabric:</u> 8"x4" <u>Fabric Pattern:</u> Guilford of Maine <u>Fabric Color:</u> Anchorage 2335 <u>Fabric Backing:</u> Geranium 2084 none	Gym  See elevations on A210	Comparable Products by Approval	
TLE-2	<u>Manufacturer:</u> VirginiaTile - Atlas Concorde <u>Collection:</u> Arty <u>Style:</u> 8A2T Urban C2 <u>Color:</u> Tabasco <u>Size:</u> 32"x16" <u>Install:</u> Stack Bond	Restroom + Commons Accent Walls Alternate  striping to align horizontally comes in set of 2	Comparable Products by Prior Approval	LVT-5	<u>Manufacturer:</u> Patcraft <u>Product:</u> Mark Making <u>Color:</u> Almond <u>Thickness:</u> 5mm <u>Size:</u> 6"x48" <u>Wear Layer:</u> 20 mil <u>Install:</u>	Accent  Classrooms, Community Room, and Hallway F105	Comparable Products by Prior Approval	AWP-2	See spec section for panel fabric  <u>Panel Edge Profile:</u> <u>Panel Size:</u> Square <u>Fabric:</u> 8"x4" <u>Fabric Pattern:</u> Guilford of Maine <u>Fabric Color:</u> Anchorage 2335 <u>Fabric Color:</u> Onyx 2016 <u>Fabric Backing:</u> none	Gym  See elevations on A210	Comparable Products by Approval	
TLE-3	<u>Manufacturer:</u> VirginiaTile - Atlas Concorde <u>Collection:</u> Arty <u>Style:</u> 8ARU <u>Color:</u> Sugar <u>Size:</u> 32"x16" <u>Install:</u> Stack Bond	Restroom Wall Alternate	Comparable Products by Prior Approval	VWB-1 (Vinyl Wall Base)	<u>Manufacturer:</u> Johnsonite <u>Size:</u> 4" <u>Color:</u> Charcoal	Match existing school base	Comparable Products by Prior Approval	09 90 00 PAINTS AND COATINGS				
TLE-4	<u>Manufacturer:</u> Ceramic TileWorks <u>Product:</u> Derby <u>Color:</u> Vision <u>Size:</u> 6" high	Tile Wall Base  TT-1 with TT-2 along top	Comparable Products by Prior Approval	VCE (Vinyl Carpet Edge)	<u>Manufacturer:</u> Johnsonite <u>Product:</u> Varies by location - Slim Line Transitions <u>Color:</u> Charcoal	Transitions to be ADA compliant  Slim Line Transitions	Comparable Products by Prior Approval	09 90 00 PAINTS AND COATINGS				
TLE-5	<u>Manufacturer:</u> Ceramic TileWorks <u>Product:</u> Nolita <u>Color:</u> Gris <u>Size:</u> 2x2 mosaic	Restroom mosaic floor Men F107	Comparable Products by Prior Approval	09 65 66 RESILIENT ATHLETIC FLOORING				09 90 00 PAINTS AND COATINGS				
TT-1	<u>Manufacturer:</u> Schluter <u>Product:</u> Cove Shaped Profile <u>Style:</u> DILEX-AHKA <u>Color:</u> AE Satin Anodized Aluminum	Cove	Comparable Products by Approval	RAF-1 (Resilient Athletic Flooring)	<u>Manufacturer:</u> Tarkett Sports <u>Collection:</u> Omnisports <u>Product:</u> Omnisports HPL <u>Color:</u> Golden Maple <u>Thickness:</u> 7mm (5+2)	Gym Alternate	Comparable Products by Prior Approval	PNT-1 (Paint)	<u>Manufacturer:</u> <u>Color:</u> Sherwin Williams <u>Color:</u> Accessible Beige 7036; 249-C1	Field	*Or Equal	
TT-2	<u>Manufacturer:</u> Schluter <u>Product:</u> Finishing and Edge Protection <u>Style:</u> Jolly <u>Color:</u> AE Satin Anodized Aluminum	Edge Tile Trim	Comparable Products by Approval	09 67 00 FLUID APPLIED FLOORING				PNT-2	<u>Manufacturer:</u> <u>Color:</u> Sherwin Williams Thorson Abby School Gray - Custom Manual Match oz 32 64 128 CCE*Colorant B1-Black 8 33 - 1 R2-Maroon - 8 - 1 Y3-Deep Gold 2 13 1 1	Frames Match Existing	*Or Equal	
TT-3	<u>Manufacturer:</u> Schluter <u>Product:</u> Edge Protection and Transitions <u>Style:</u> Varies by location, see ID sheets <u>Color:</u> AE Satin Anodized Aluminum	Floor transition to be ADA compliant	Comparable Products by Approval	FAF-1 (Fluid Applied Flooring)	See Specifications Section		PNT-3	<u>Manufacturer:</u> <u>Color:</u> Sherwin Williams Custom - School Standard	Gym Field Gym ceiling	*Or Equal		
TT-4	<u>Manufacturer:</u> Schluter <u>Product:</u> Finishing and Edge Protection <u>Style:</u> Rondec <u>Color:</u> AE Satin Anodized Aluminum	Corner Trim	Comparable Products by Approval	10 11 00 VISUAL DISPLAY UNITS				PNT-4	<u>Manufacturer:</u> <u>Color:</u> Sherwin Williams Custom - School Standard	Gym Black Accent	*Or Equal	
								10 11 00 VISUAL DISPLAY UNITS				
								TW-1 (Tac-Wall)	<u>Manufacturer:</u> <u>Style Name:</u> Koroseal <u>Color Name:</u> Tac-Wall Sandalwood	Classroom tackboards and Map Rail	Comparable Products by Approval	
								TW-2	<u>Manufacturer:</u> <u>Style Name:</u> Koroseal <u>Color Name:</u> Tac-Wall Quarry	Commons F109	Comparable Products by Approval	
								10 21 13.19 PLASTIC TOILET COMPARTMENTS				
								TP-1 (Toilet Partition)	<u>Manufacturer:</u> <u>Product:</u> Scranton <u>Color:</u> Hiny Hiders <u>Finish:</u> Stainless Hammered	Toilet Partitions	Comparable Products by Approval	
								12 24 00 WINDOW SHADES				
								WS-1 (Window Shades)	<u>Manufacturer:</u> <u>Product:</u> Manual <u>Color:</u> To Be Selected by A/E <u>Openness:</u> 3 percent <u>Face:</u> To Be Selected by A/E	See ID Sheets	Comparable Products by Approval	





**HSR ASSOCIATES INC.**  
100 MILWAUKEE STREET  
LA CROSSE, WISCONSIN  
PHONE: 608.784.1830  
FAX: 608.782.5844  
www.hsrassociates.com

Consultant:

**raSmith**  
CREATIVITY BEYOND ENGINEERING  
4001 Felford Road, Suite 108  
Madison, WI 53716-6419  
(608)467-3104  
raSmith.com  
project number: 2210699

**ABBOTSFORD SCHOOL DISTRICT  
FEMA ADDITION  
FOUNDATION PLAN**

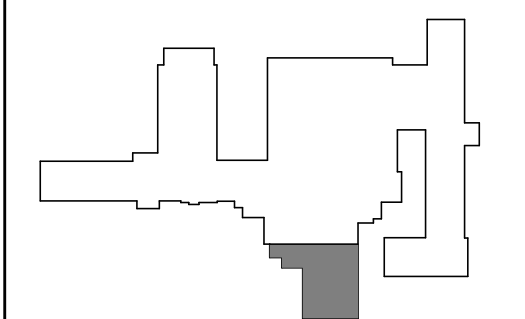
Project Title:  
Project Location: 510 WEST HEMLOCK STREET  
ABBOTSFORD, WISCONSIN

Project Number:  
**21027**

Project Date:  
**DECEMBER 2021**

Drawn By:  
**raSmith**

Key Plan:



KEY PLAN

**BID DOCUMENTS**

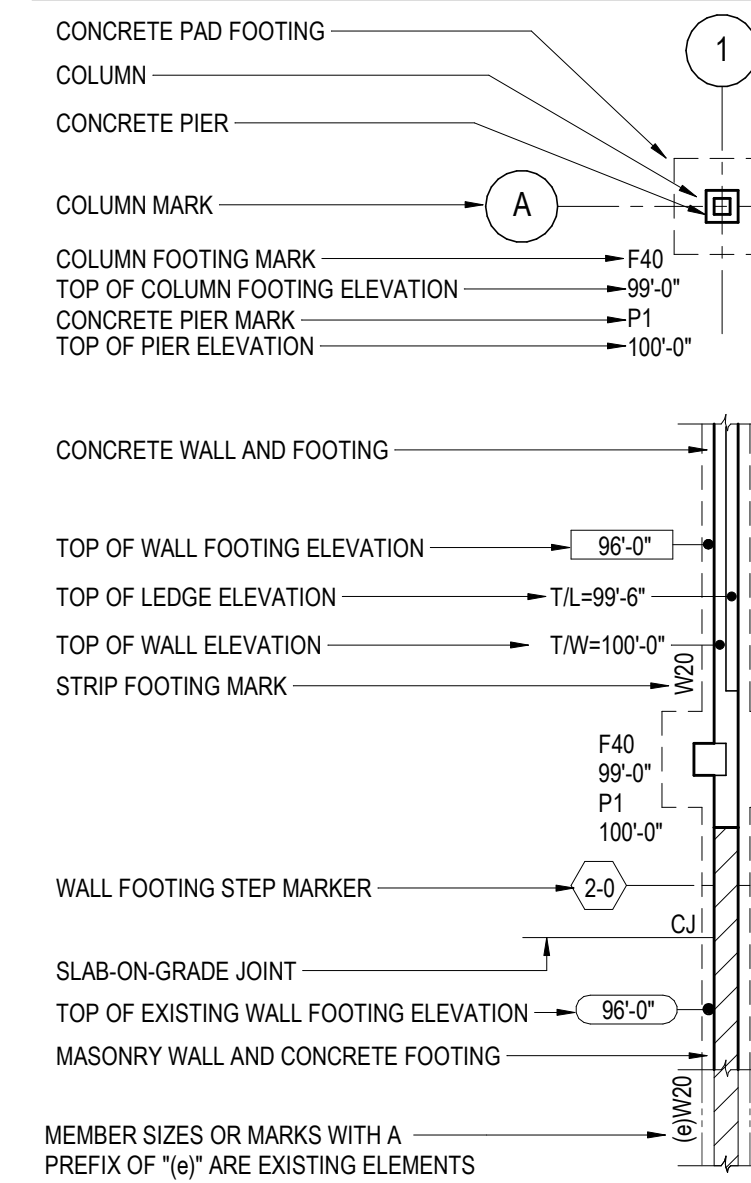
No.	Description	Date
1	ADDENDUM #1	12/22/21

Graphic Scale:  
**VARIES**

Last Update:  
**12/22/2021 10:03:57 AM**

**S101**

**FOUNDATION LEGEND**



**2 DETAIL**  
SCALE: 3/4" = 1'-0"

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

**1 FOUNDATION PLAN**

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

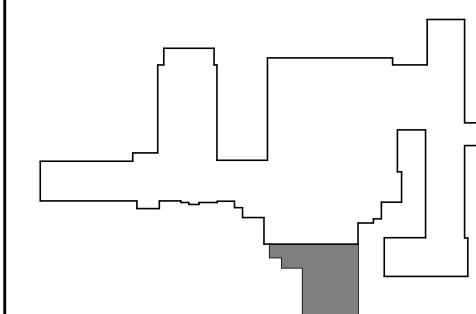
**FOUNDATION PLAN NOTES**

- FINISH SLAB ELEVATION = 100'-0". LOCAL DATUM UNLESS NOTED OTHERWISE.  
TOP OF FOOTING ELEVATION = 96'-0" UNLESS NOTED OTHERWISE.
- OVER-EXCAVATION PER DETAIL 10/S800 MAY BE REQUIRED TO REMOVE EXISTING UNDOCUMENTED FILL AND UNSUITABLE BEARING SOIL.
- TYPICAL DETAILS THAT APPLY TO PLAN INCLUDE:  
9/S800 FOOTING STEP DETAIL  
10/S800 SLAB-ON-GRADE JOINT DETAIL  
12/S800 CONCRETE WALL JOINT DETAIL  
2/S800 CORNER REINFORCEMENT DETAIL  
11/S800 CONCRETE WALL OPENING DETAIL  
3/S800 WALL FOOTING OVER LATERAL
- SLAB-ON-GRADE TO BE 4" THICK WITH SYNTHETIC FIBERS ON 10 MIL VAPOR RETARDER ON OVER 6" COARSE STONE BASE UNLESS NOTED OTHERWISE.
- SLAB ON GRADE TO BE 5" THICK WITH EITHER SYNTHETIC FIBERS OR WELDED WIRE FABRIC ON 15 MIL VAPOR BARRIER OVER 6" STONE BASE COURSE. CONTROL JOINT SPACING SHALL BE COORDINATED WITH COMPOSITE FLOOR SUPPLIER'S REQUEST. SUBJECT TO ENGINEER APPROVAL. WELDED WIRE FABRIC OR OTHER REINFORCING MAY BE REQUIRED IN THE SLAB TO CONTROL CRACKING IF CONTROL JOINTS ARE ELIMINATED.
- TYPICAL WHERE SLAB-ON-GRADE ABUTS WALL OR COLUMN, PROVIDE 1/4" x (SDG THICKNESS) ISOLATION FILLER STRIP. SET STRIP 1/4" BELOW FINISH SLAB ELEVATION.
- "XXX"X" INDICATES APPROXIMATE LOCATION OF SOIL BORING AND ANTICIPATED ELEVATION OF SUITABLE BEARING MATERIAL.

**FOUNDATION KEY NOTES**

- VOLLEYBALL POST POCKETS, COORDINATE WITH SUPPLIER FOR REQUIREMENTS
- EXISTING FOUNDATION WALL AT T/WALL = 100'-0" TO BE CUT DOWN TO T/WALL = 99'-4" AT NEW DOOR AND NEW STOOP SLAB TO BE CAST ON TOP OF EXISTING WALL. SEE 4/S800 SIM CONDITION
- CUT WALL DOWN TO 99'-4" AT NEW WINDOW, SEE DETAIL 17/S800
- FLOOR MOUNT URINALS REFER TO DETAIL 21/S800





STRUCTURAL STEEL LEGEND

- INDICATES BEAM FRAMING OVER OR THRU HSS OR WF COLUMN
- INDICATES BEAM FRAMING INTO SIDE OF HSS OR WF COLUMN
- COLUMN MARK / COLUMN SIZE
- INDICATES BEAM-TO-COLUMN MOMENT FRAME CONNECTION
- TOP OF STEEL ELEVATION
- SHOP CAMBER
- FIELD APPLIED SHEAR STUDS BETWEEN BEAM ENDS AND/OR CONCENTRATED LOADS
- BEAM DESIGNATION
- JOIST GIRDER DESIGNATION
- INDICATES LOCATION OF BEAM SPLICE
- INDICATES EXISTING BEAM / JOIST FRAMING INTO SIDE OF NEW GIRDER
- INDICATES BEAM / JOIST FRAMING INTO SIDE OF GIRDER
- INDICATES BEAM / JOIST FRAMING OVER GIRDER
- INDICATES MOMENT CONNECTION BETWEEN BEAMS ACROSS GIRDER IN SAME HORIZONTAL PLANE
- MEMBER SIZES OR MARKS WITH A PREFIX OF "16" ARE EXISTING ELEMENTS

MASONRY WALL  
VERTICAL REINFORCEMENT LEGEND

- DEFINES OVER WHAT LENGTH OF WALL REINFORCEMENT IS TO OCCUR
- TOTAL NUMBER OF BARS
- BAR SIZE (#4, ETC)
- LOCATION OF BAR(S) WITHIN BLOCK CORE
- EF - 1/2 TOTAL NUMBER OF BARS EACH FACE (NOTE 1)
- C - CENTER IN WALL
- IF - INSIDE FACE (NOTE 1)
- OF - OUTSIDE FACE (NOTE 1)
- BAR SPACING (INCHES)
- INDICATES WALL TO BE GROUTED SOLID. IF "G" IS OMITTED, GROUT BLOCK CORES AT BAR LOCATIONS ONLY
- NOTES:  
1. MAINTAIN 1/2" CLEAR DISTANCE TO INSIDE SURFACE OF BLOCK

1 LOW ROOF T.O. PRECAST TOPPING

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

FLOOR FRAMING PLAN NOTES

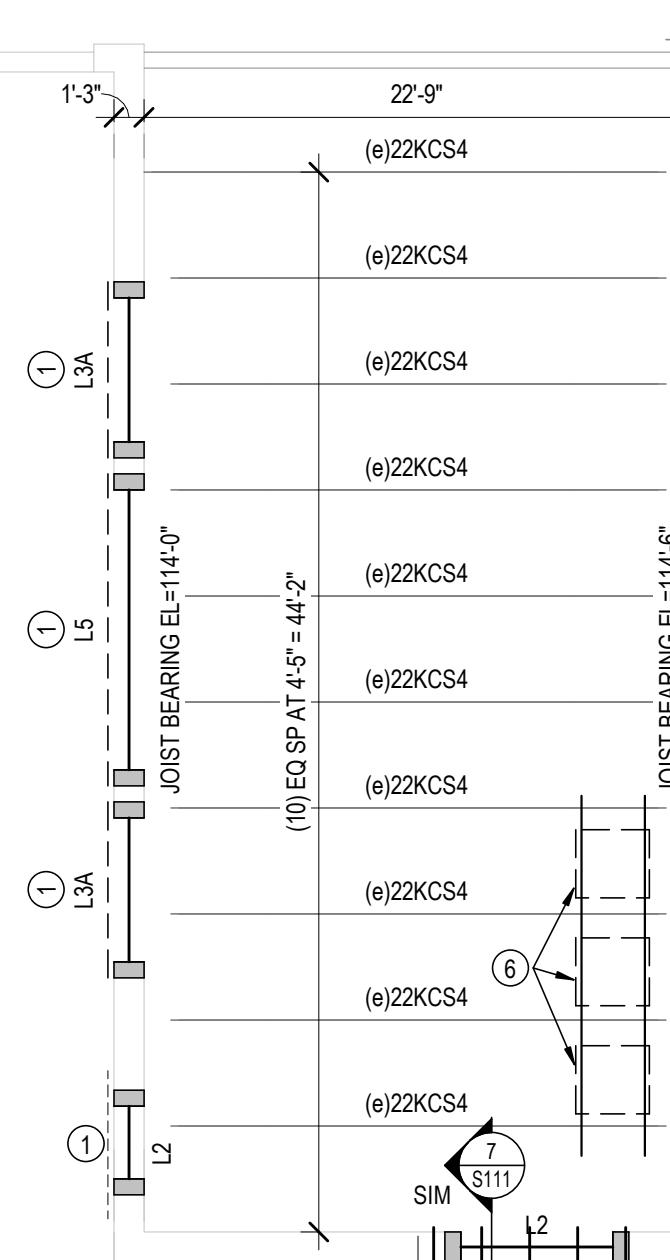
- TOPPING SLAB / FINISH SLAB ELEVATION = AS NOTED ON PLAN.
- TOP OF STEEL ELEVATION = AS NOTED ON PLAN.
- TOPPING SLAB TO BE BONDED. THE SLAB THICKNESS SHALL BE MEASURED AT THE ENDS OF THE PLANK SPAN. THE ACTUAL TOPPING SLAB THICKNESS WILL VARY DUE TO PLANK CAMBER AND DEFLECTION. TOPPING SLAB WEIGHT IS IN ADDITION TO THE SUPERIMPOSED LOADS REQUIRED BY DESIGN. NO REDUCTION OF TOPPING SLAB LOAD DUE TO PLANK CAMBER IS PERMITTED.
- TOPPING SLAB TO BE REINFORCED AS INDICATED ON PLANS. CENTER REINFORCING WITHIN THE DEPTH OF THE TOPPING SLAB.
- PRECAST SUPPLIER IS RESPONSIBLE FOR DESIGN, FABRICATION, AND INSTALLATION OF ALL HEADERS WHERE REQUIRED FOR OPENINGS THROUGH PLANK UNLESS NOTED OTHERWISE. COORDINATE SIZE AND LOCATION OF ALL OPENINGS THROUGH PLANK WITH ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS.
- PROVIDE 8" HIGH BOND BEAMS WITH (2) #5 CONTINUOUS AT AND ADJACENT TO PRECAST PLANK BEARING ELEVATIONS UNLESS NOTED OTHERWISE. WHERE PLANK BEARING IS NOT AT COUSINGS, PROVIDE PARTIAL HEIGHT BLOCK GROUTED SOLID TO TOP OF BOND BEAM. WIDTH OF BOND BEAM TO MATCH WALL THICKNESS AND IS TO RUN CONTINUOUS THROUGH CONTROL JOINTS. PROVIDE CORNER BARS WHERE THEY OCCUR AND LAP ALL BOND BEAM STEPS A MINIMUM OF 24". PRECAST SUPPLIER TO PROVIDE HARDBOARD BEARING STRIPS AT ENDS OF PLANK AT MASONRY BEARING.

FLOOR FRAMING PLAN KEY NOTES

- LOOSE LINTEL FOR SUPPORT OF BRICK VENEER
- PRECAST SPANDREL PANEL: B/PANEL = 110'-2" AT ENTRY OPENINGS, 110'-0" AT WINDOWS/DOORS, T/PANEL = 116'-0"
- PRECAST SPANDREL PANEL: B/PANEL = 110'-2" AT ENTRY OPENINGS, 110'-0" AT WINDOWS/DOORS, T/PANEL = MATCH ROOF SLOPE
- 24"x24" PRECAST CONCRETE COLUMN: B/COLUMN = 100'-0", PRECAST CONCRETE SUPPLIER TO PROVIDE DESIGN AND DETAILING FOR PRECAST SPANDREL TO PRECAST COLUMN CONNECTION(S)
- L3 12X24 1/2X1/4 (LLV) X CONT. ANCHORED TO PRECAST WALL IN POSITION SHOWN USING 1/2"DIA. (ANCHOR SIZE) HILTI SLEEVE ANCHORS OR 1/2"DIA LOK-BOLT SPACED AT 24" OC
- THREE AIR COOLED CONDENSING UNITS, APPROXIMATE WEIGHT OF EACH = 312LBS. PROVIDE CHANNELS IN EXISTING DECK FLUTES PER 22/5810.
- PROVIDE 3 1/2" HOUSEKEEPING PAD UNDER BUFFER TANK AND ADJACENT PUMPS. COORDINATE EXTENT OF PAD WITH MECHANICAL.

ROOF FRAMING PLAN NOTES

- ROOF DECKING SHALL BE 1 1/2" x 22GA WIDE RIB PRIME PAINTED METAL ROOF CHECK FASTENED TO SUPPORTING STRUCTURE USING #8/4 PATTERN OF ANY OF THE ATTACHMENT METHODS SHOWN IN DETAIL 24/5810 WITH #10 TEK SIDELAP FASTENERS AT 18" OC. PROVIDE DECK WITH THE FOLLOWING PROPERTIES:  
THICK = 0.0295 in  $I_y = 0.155 \text{ in}^4$   $S_y = 0.186 \text{ in}^3$   
 $F_y = 50 \text{ KSI MIN}$   $I_x = 0.183 \text{ in}^4$   $S_x = 0.192 \text{ in}^3$
- INSTALL DECK UNDER 3 OR MORE SPAN CONDITIONS.
- REINFORCE DECKING AROUND SMALL OPENINGS PER DETAIL 23/5810 (SEE DETAIL FOR SIZE RESTRICTIONS)



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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

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

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

5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"

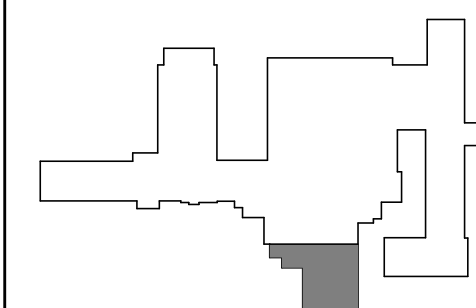
7 SECTION  
SCALE: 3/4" = 1'-0"

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

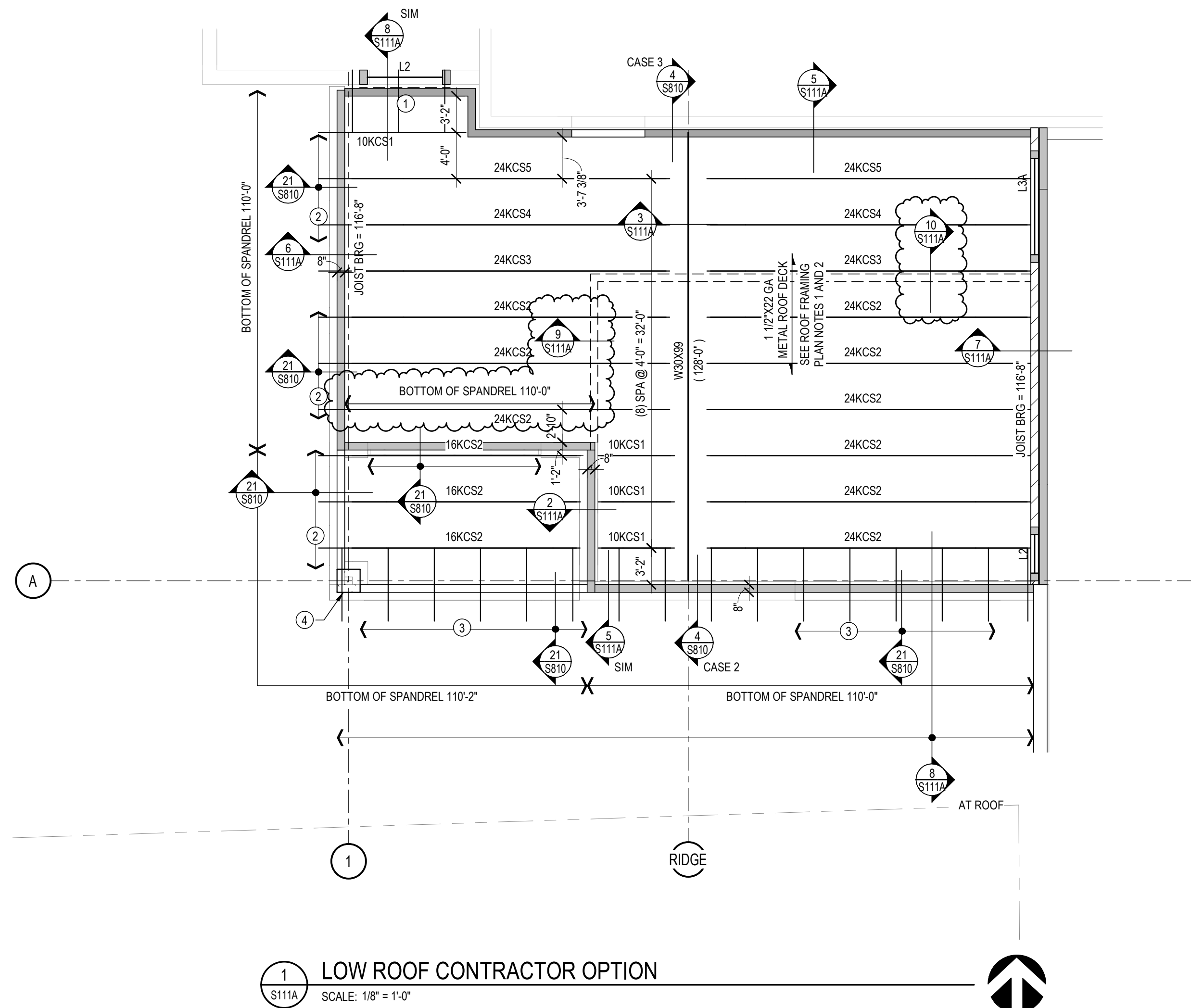
5 TRUSS BEARING  
SCALE: 3/4" = 1'-0"

6 TRUSS BEARING AT PRECAST WALL PANEL  
SCALE: 3/4" = 1'-0"</





Revisions:		
No.	Description	Date
1	ADDENDUM #1	12/22/21



ROOF FRAMING PLAN NOTES

1. ROOF DECKING SHALL BE 1 1/2" x 22GA WIDE RIB PRIME PAINTED METAL ROOF DECK FASTENED TO SUPPORTING STRUCTURE USING 364 PATTERN OF ANY OF THE ATTACHMENT METHODS SHOWN IN DETAIL 22/5810 WITH #10 TEK SIDELAP FASTENERS AT 18" OC. PROVIDE DECK WITH THE FOLLOWING PROPERTIES:

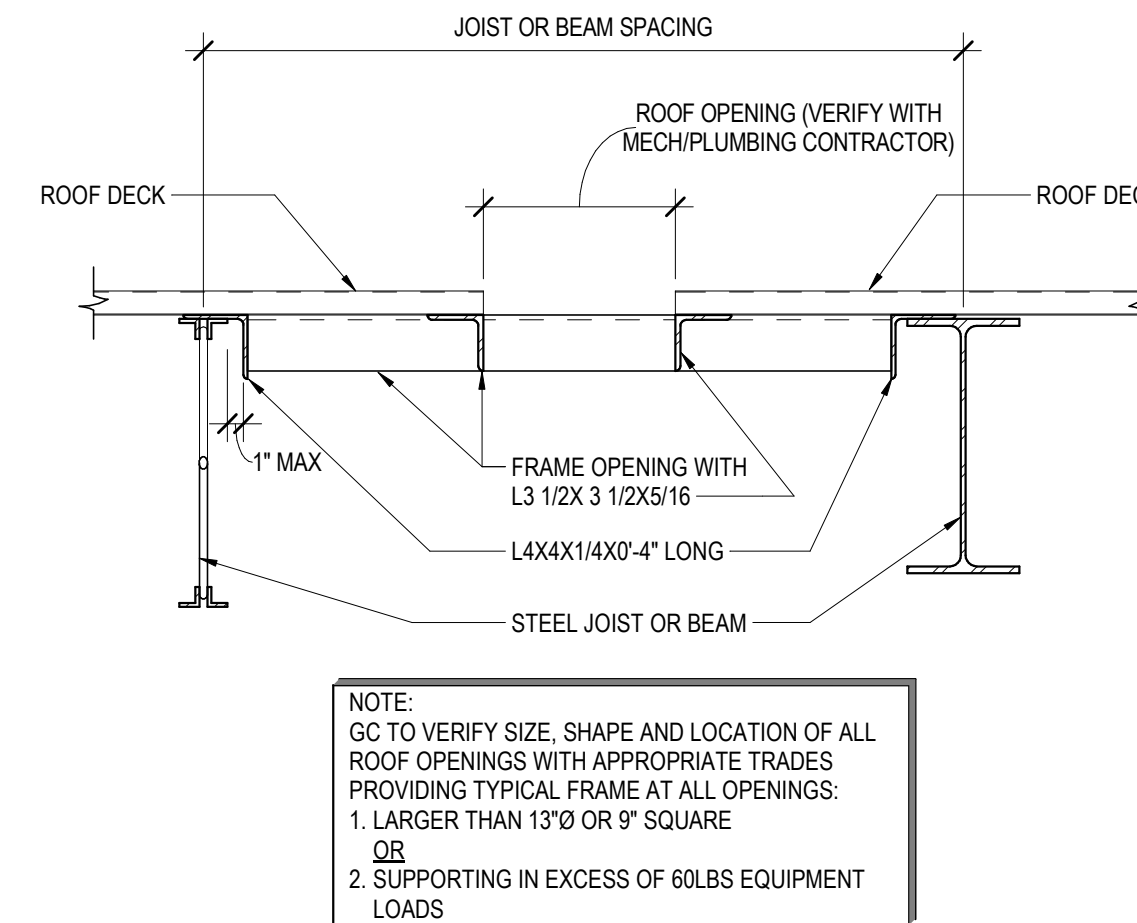
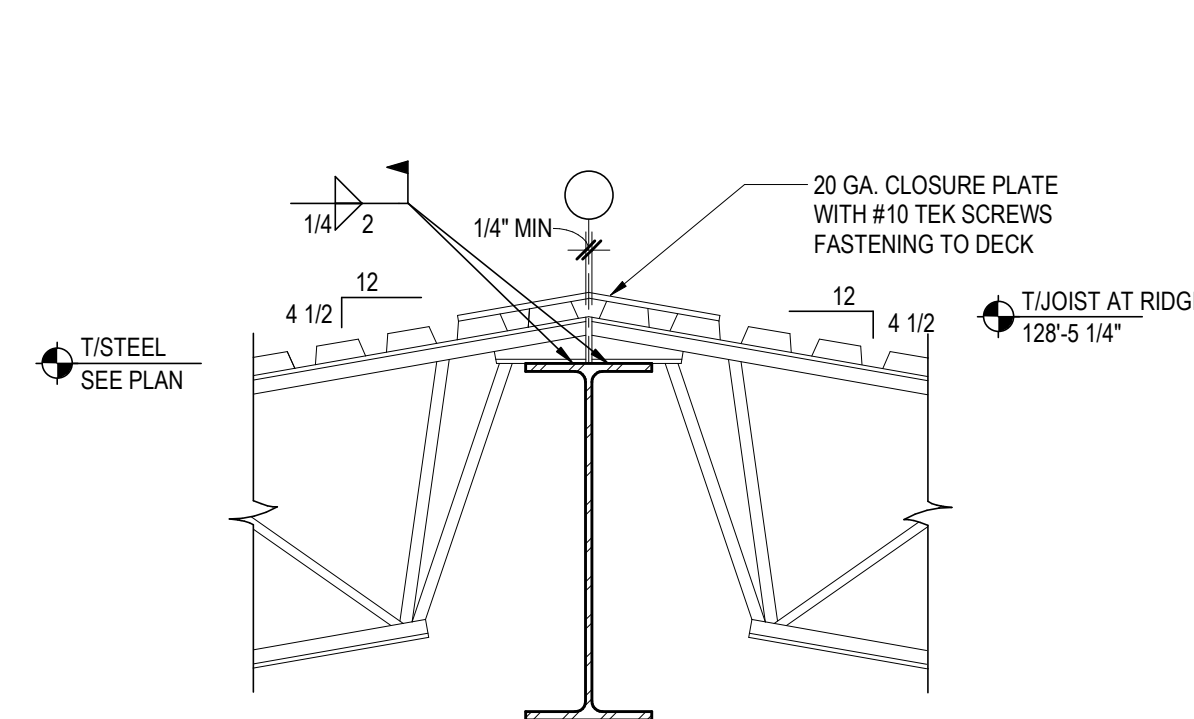
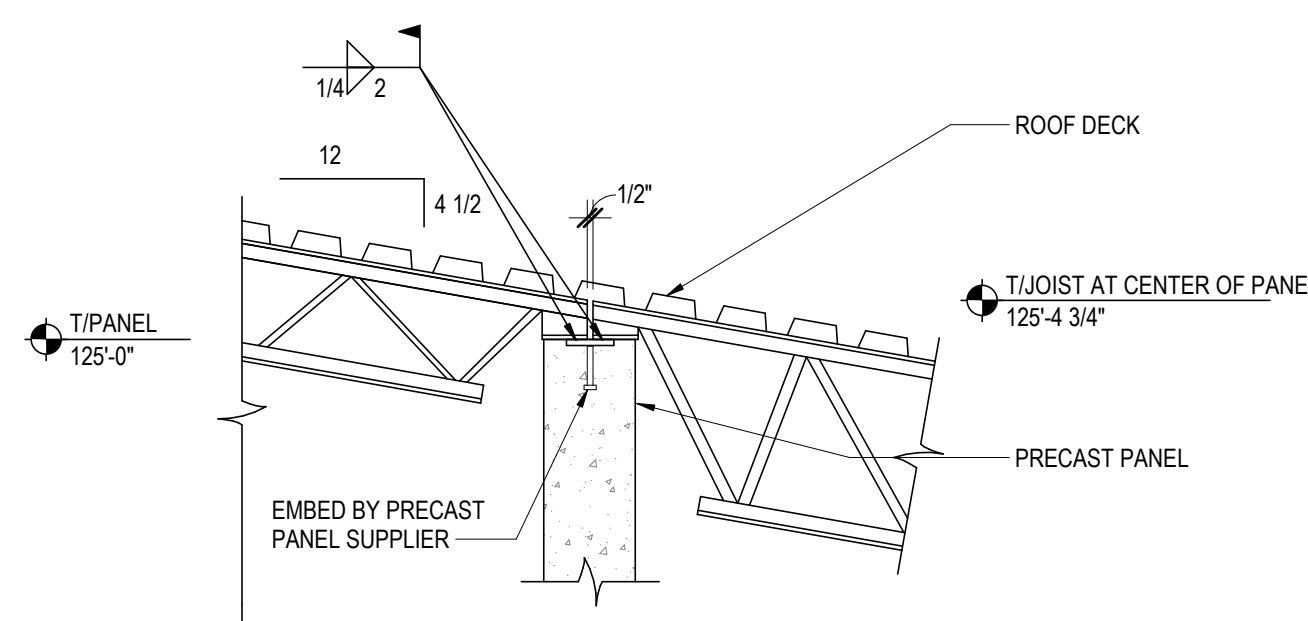
$$THICK = 0.0295 \text{ in} \quad I_y = 0.155 \text{ in}^4 \quad S_y = 0.186 \text{ in}^3 \\ F_y = 50 \text{ KSI MIN} \quad I_x = 0.183 \text{ in}^4 \quad S_x = 0.192 \text{ in}^3$$

INSTALL DECK UNDER 3 OR MORE SPAN CONDITIONS.

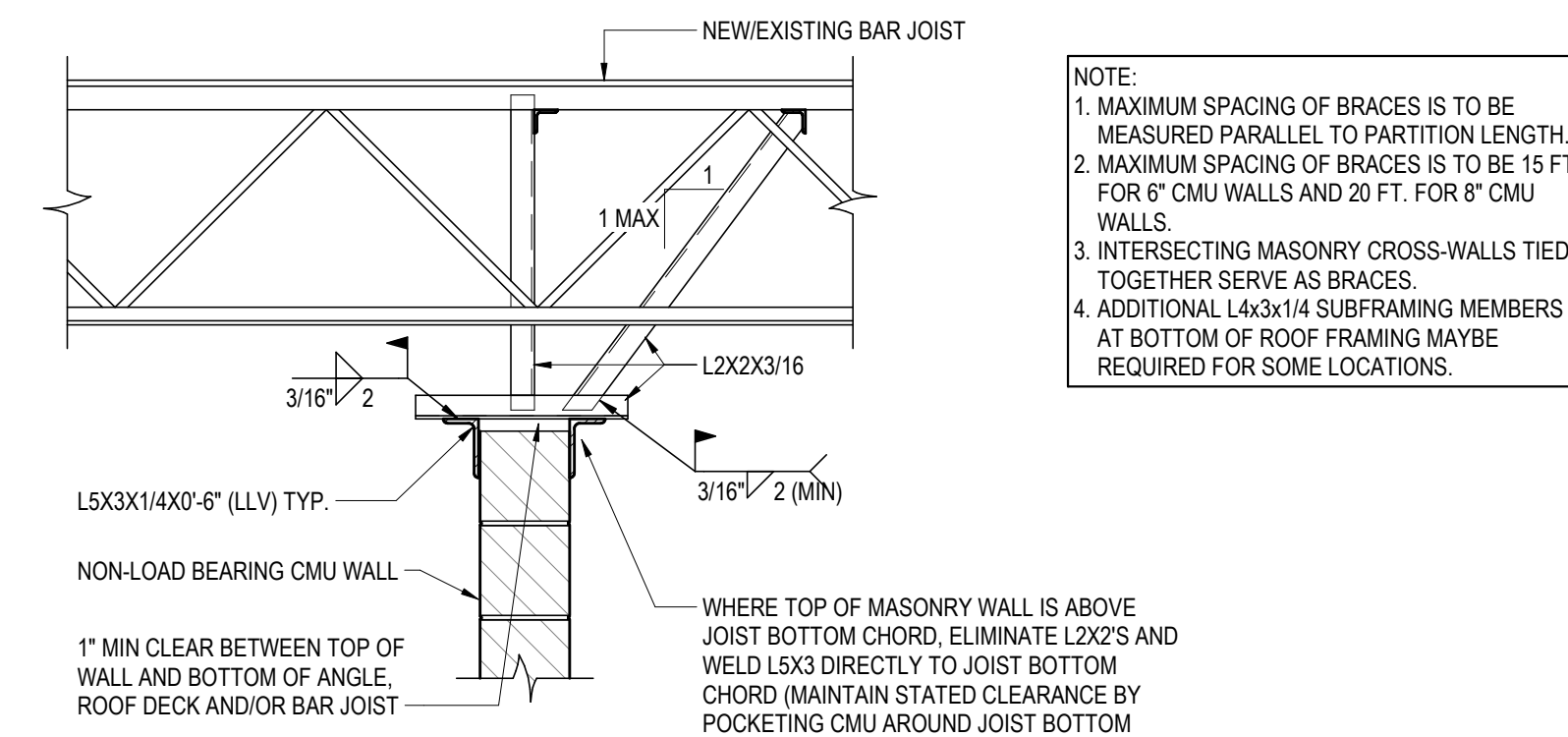
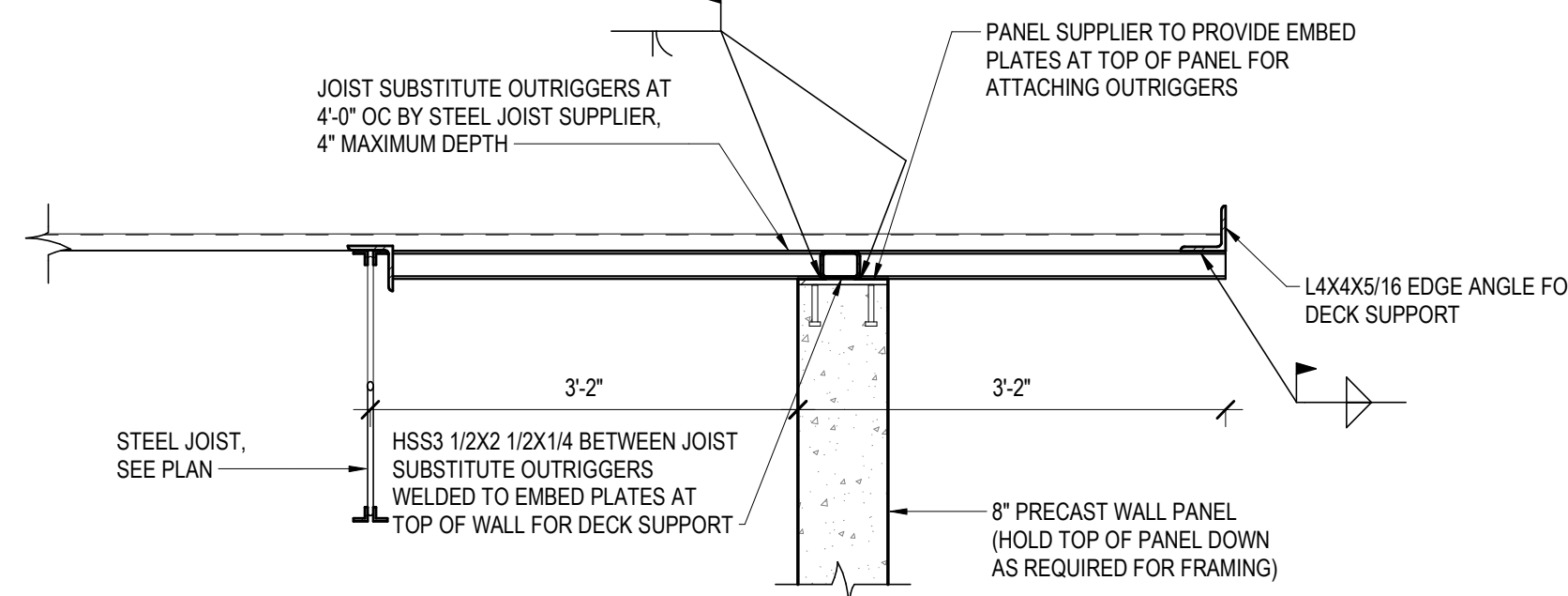
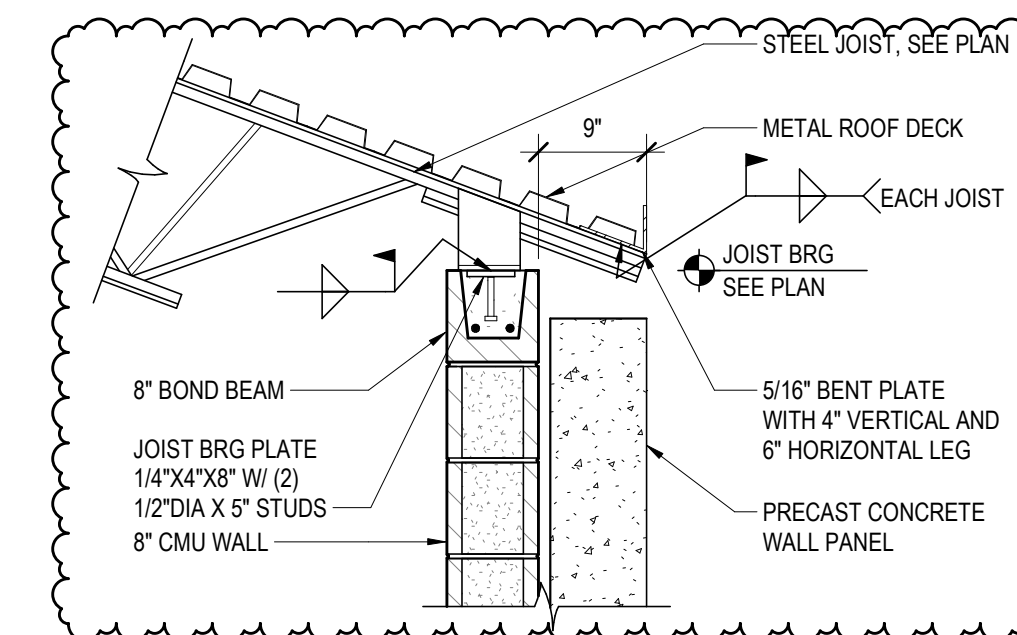
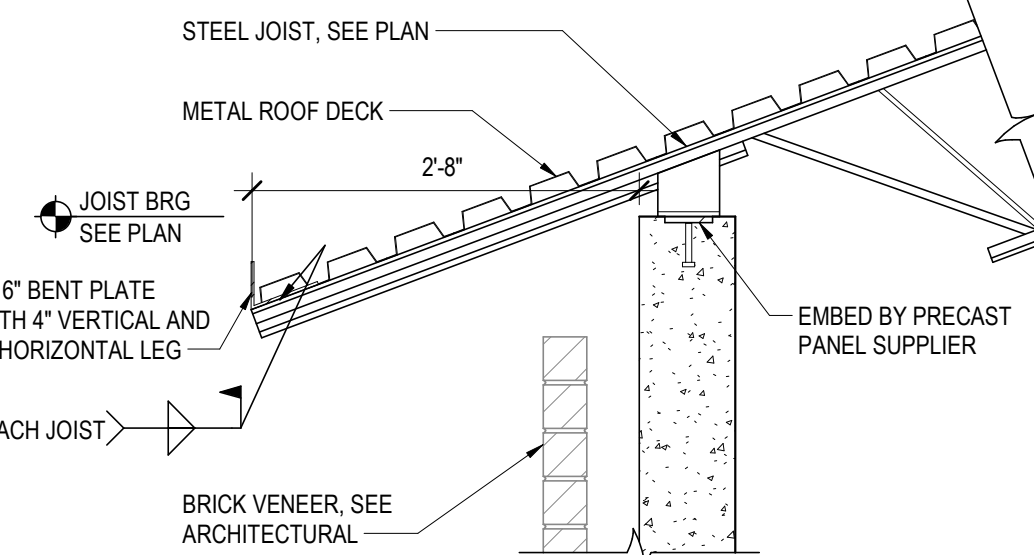
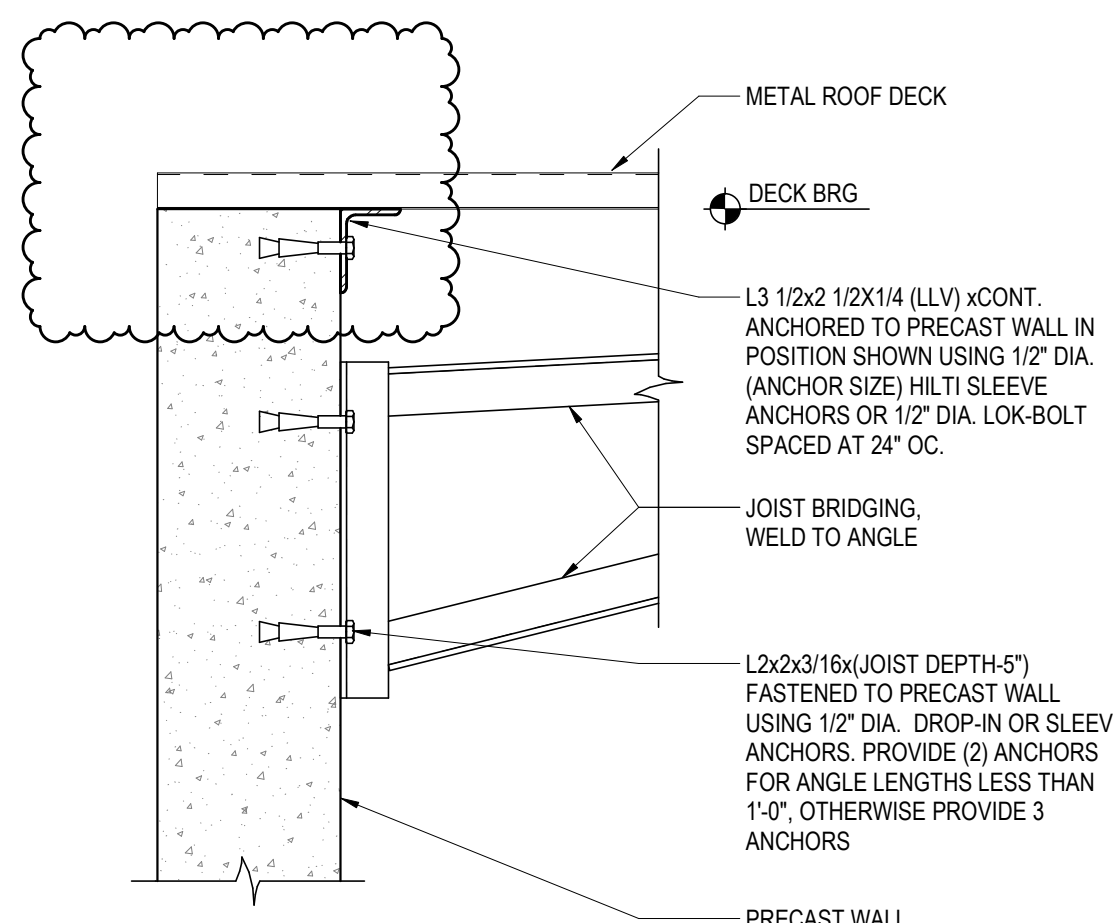
2. REINFORCE DECKING AROUND SMALL OPENINGS PER DETAIL 24/5810 (SEE DETAIL FOR SIZE RESTRICTIONS)

LOW ROOF FRAMING PLAN KEY NOTES

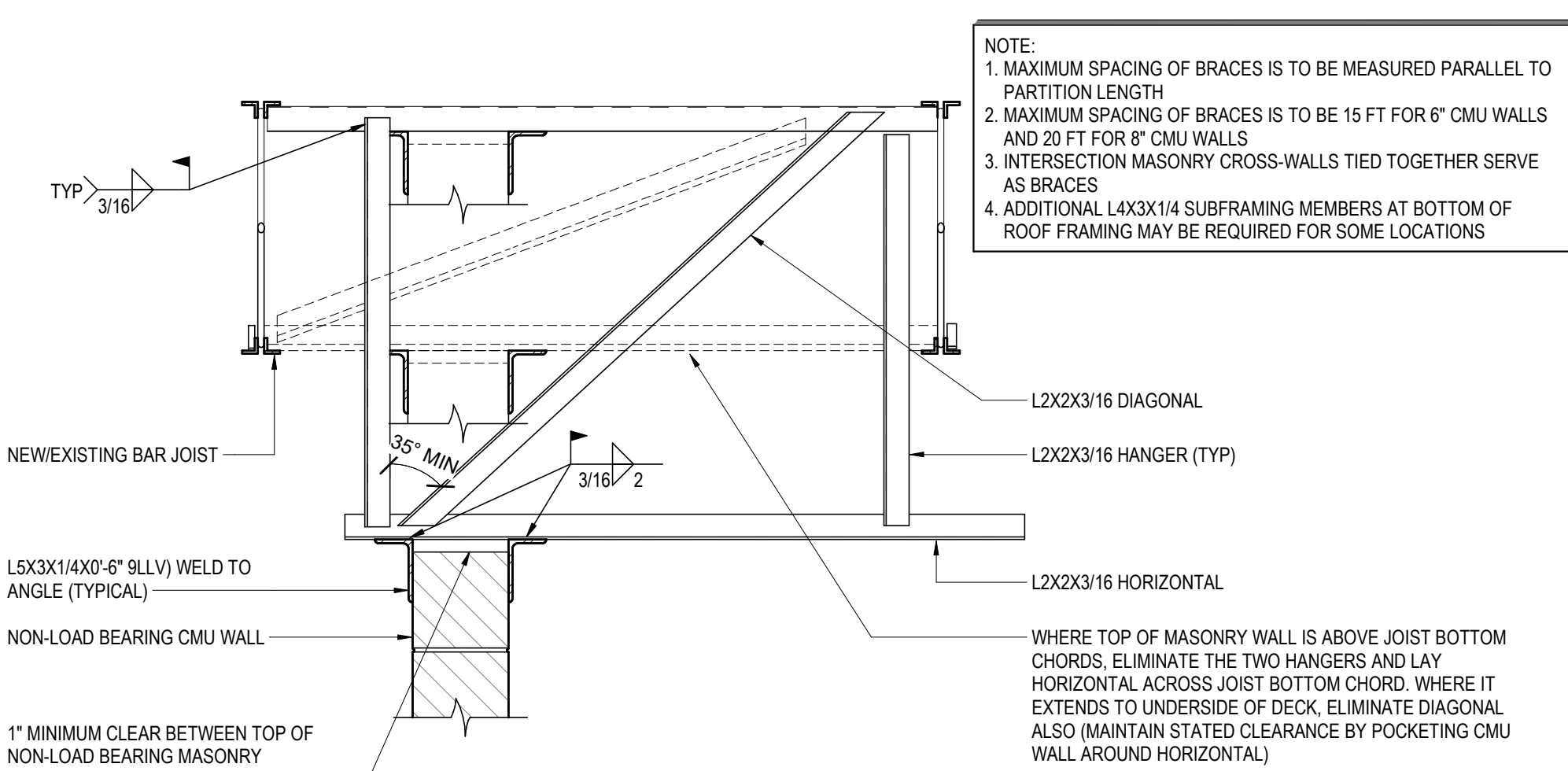
1. LOOSE LINTEL FOR SUPPORT OF BRICK VENEER
2. PRECAST SPANDREL PANEL: B/PANEL = 110'-2" AT ENTRY OPENINGS, 110'-0" AT WINDOWS/DOORS; T/PANEL = 116'-0"
3. PRECAST SPANDREL PANEL: B/PANEL = 110'-2" AT ENTRY OPENINGS, 110'-0" AT WINDOWS/DOORS; T/PANEL = MATCH ROOF SLOPE
4. 24"x24" PRECAST CONCRETE COLUMN: B/COLUMN = 100'-0"; PRECAST CONCRETE SUPPLIER TO PROVIDE DESIGN AND DETAILING FOR PRECAST SPANDREL TO PRECAST COLUMN CONNECTION(S)



- NOTE:  
OC TO VERIFY SIZE, SHAPE AND LOCATION OF ALL ROOF OPENINGS WITH APPROPRIATE TRADES PROVIDING TYPICAL FRAME AT ALL OPENINGS:  
1. LARGER THAN 13'-0" OR 9' SQUARE  
OR  
2. SUPPORTING IN EXCESS OF 60LBS EQUIPMENT LOADS



- NOTE:  
1. MAXIMUM SPACING OF BRACES IS TO BE MEASURED PARALLEL TO PARTITION LENGTH.  
2. MAXIMUM SPACING OF BRACES IS TO BE 15 FT. FOR 6" CMU WALLS AND 20 FT. FOR 8" CMU WALLS.  
3. INTERSECTING MASONRY CROSS-WALLS TIED TOGETHER SERVE AS BRACES.  
4. ADDITIONAL L4X4X1/4 SUBFRAMING MEMBERS AT BOTTOM OF ROOF FRAMING MAYBE REQUIRED FOR SOME LOCATIONS.



- NOTE:  
1. MAXIMUM SPACING OF BRACES IS TO BE MEASURED PARALLEL TO PARTITION LENGTH  
2. MAXIMUM SPACING OF BRACES IS TO BE 15 FT FOR 6" CMU WALLS AND 20 FT FOR 8" CMU WALLS  
3. INTERSECTION MASONRY CROSS-WALLS TIED TOGETHER SERVE AS BRACES  
4. ADDITIONAL L4X4X1/4 SUBFRAMING MEMBERS AT BOTTOM OF ROOF FRAMING MAY BE REQUIRED FOR SOME LOCATIONS



Consultant:

raSmith

4001 Telford Road, Suite 108  
Madison, WI 53716-6419  
(608) 647-3104  
raSmith.com  
project number: 2210699

Project Title:  
**ABBOTSFORD SCHOOL DISTRICT  
FEMA ADDITION**

Project Location:  
**510 WEST HEMLOCK STREET  
ABBOTSFORD, WISCONSIN**

Sheet Title:  
**FOUNDATION DETAILS**

HSR Project Number:  
**21027**

Project Date:  
**DECEMBER 2021**

Drawn By:  
**raSmith**

Key Plan:

BID DOCUMENTS

Revisions:

No.	Description	Date
1	ADDENDUM #1	12/22/21

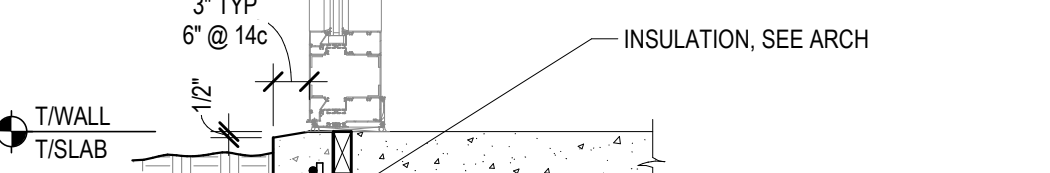
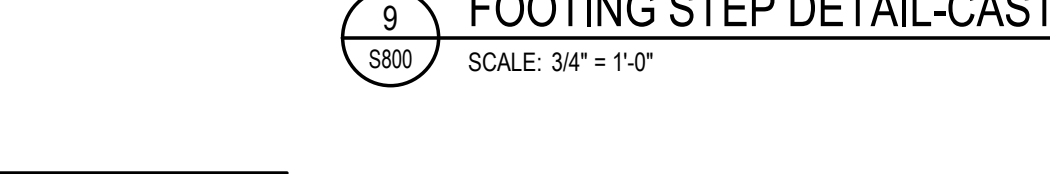
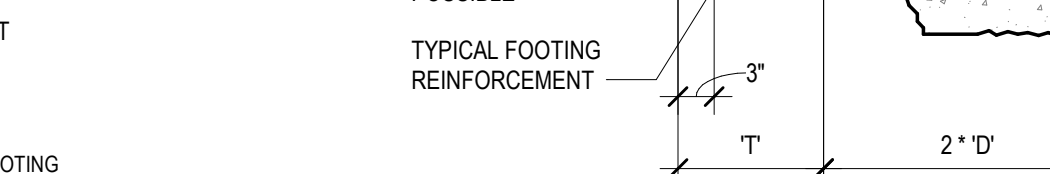
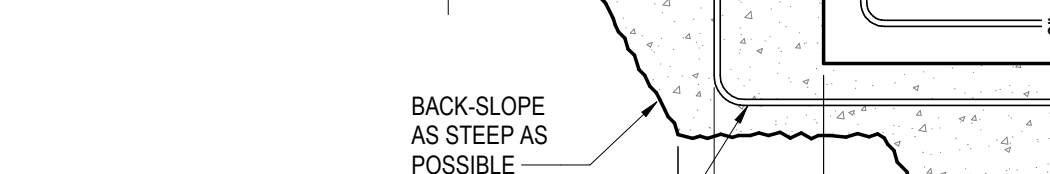
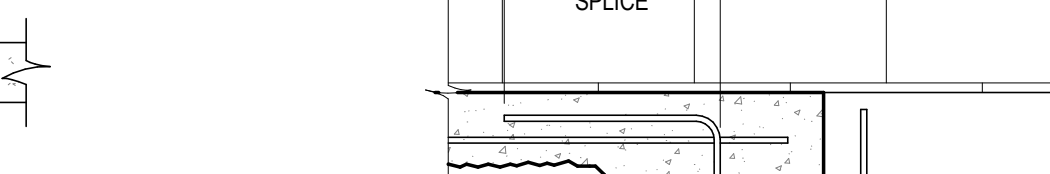
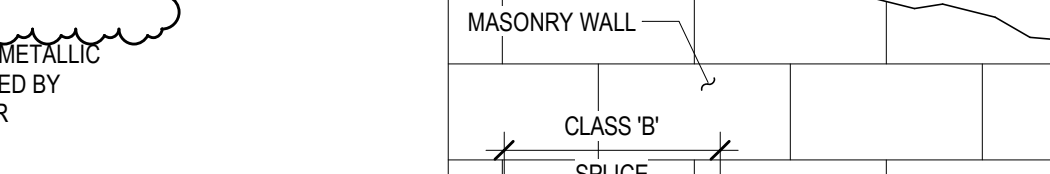
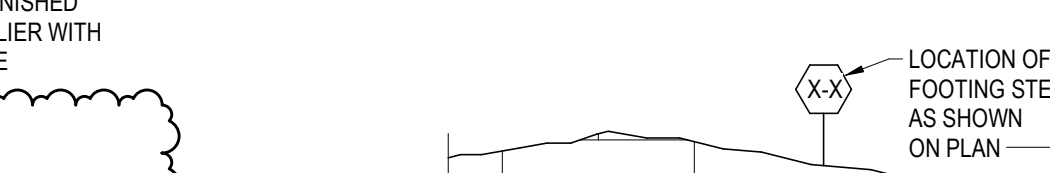
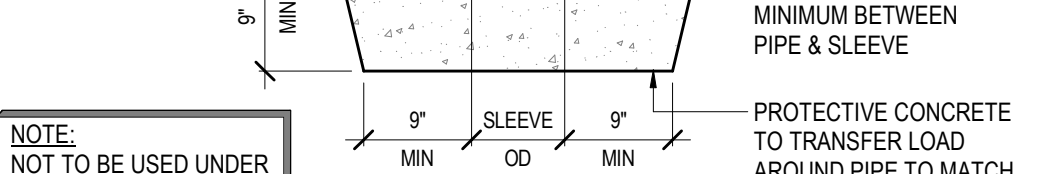
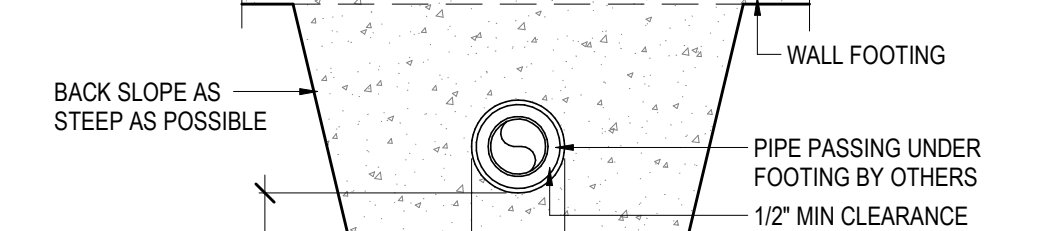
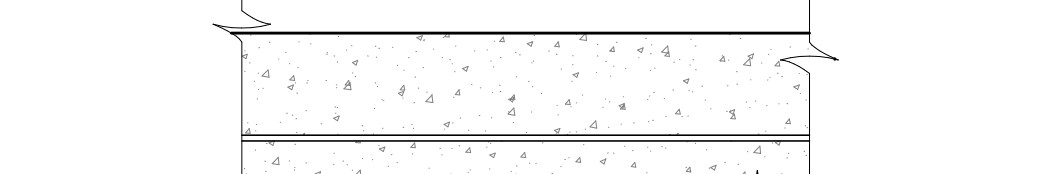
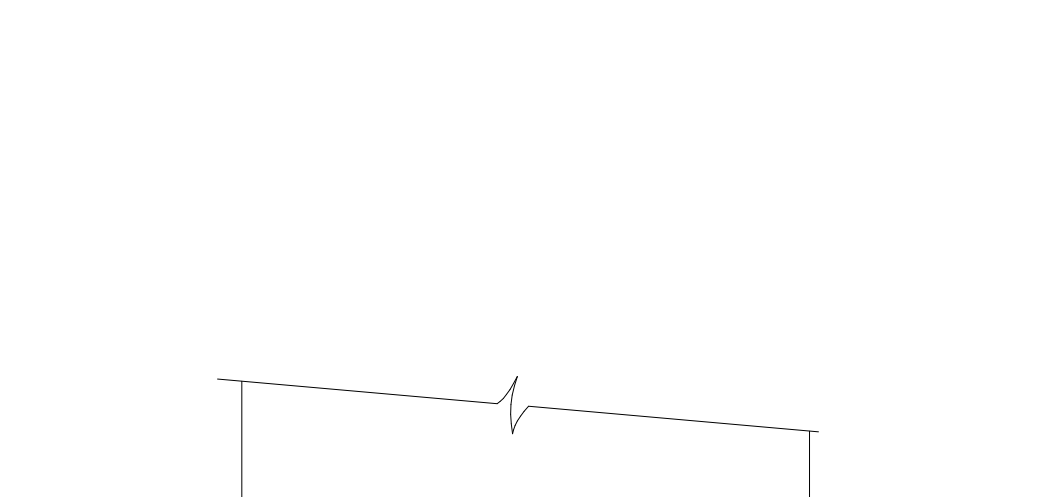
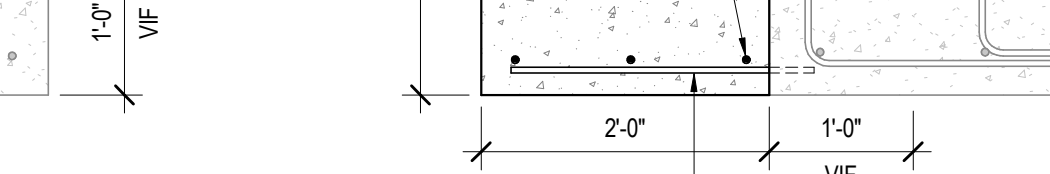
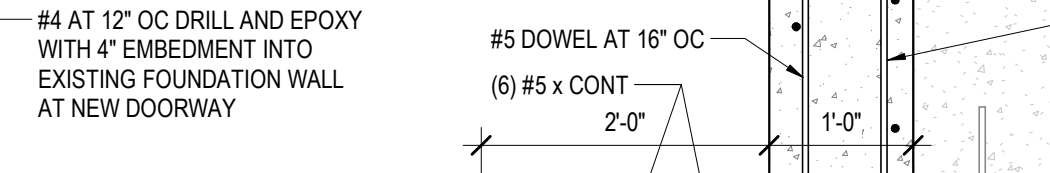
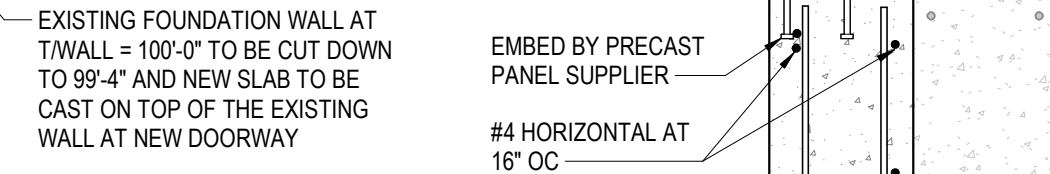
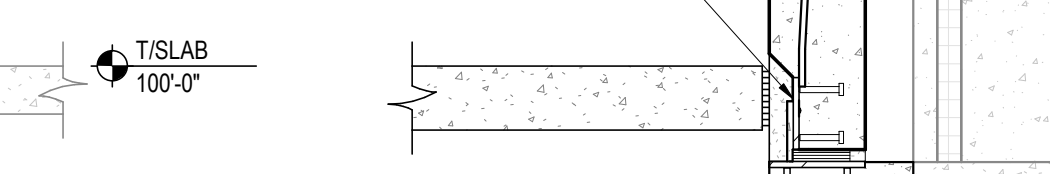
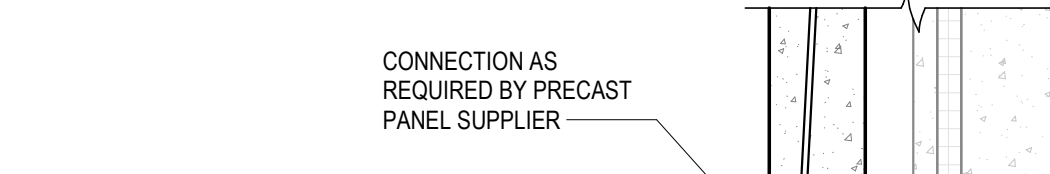
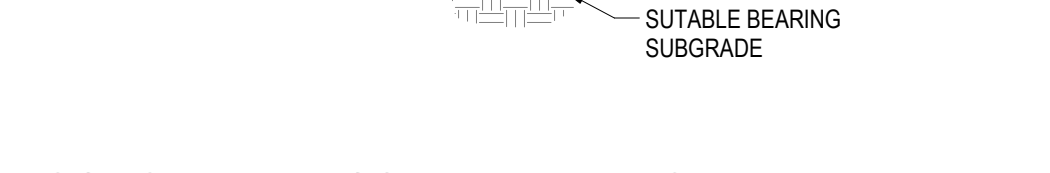
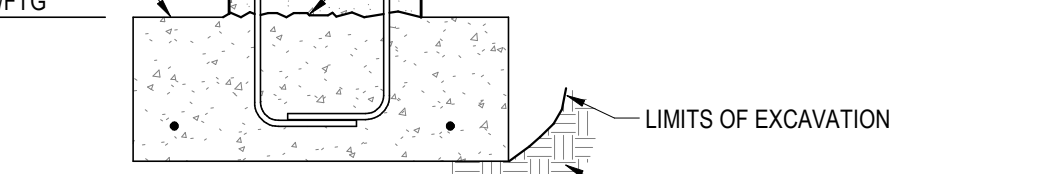
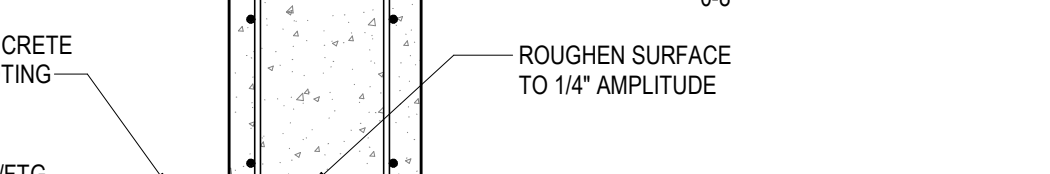
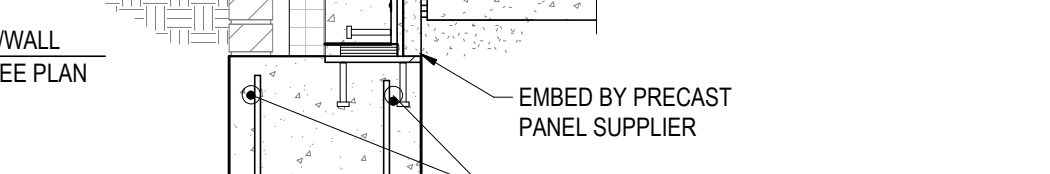
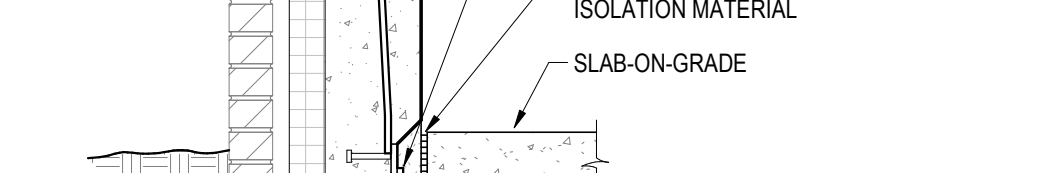
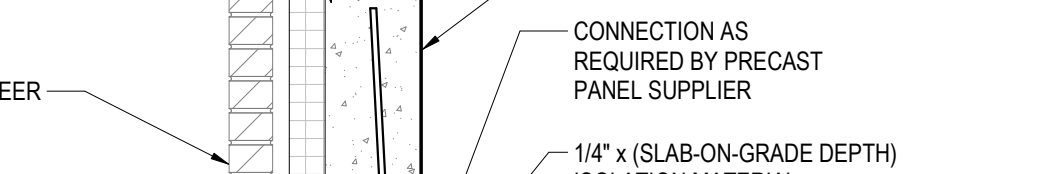
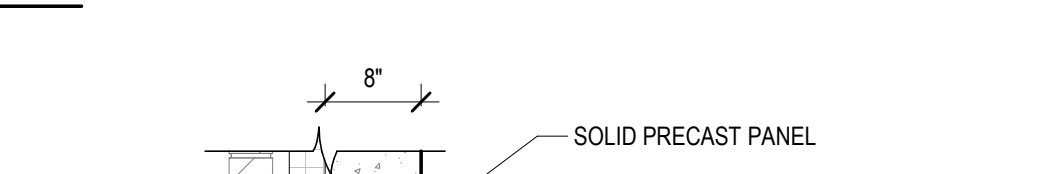
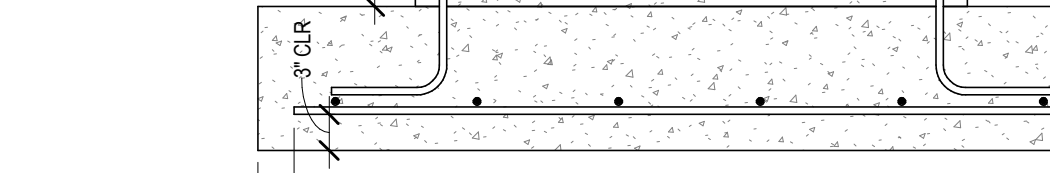
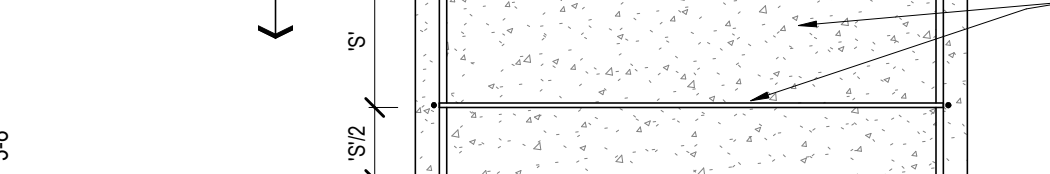
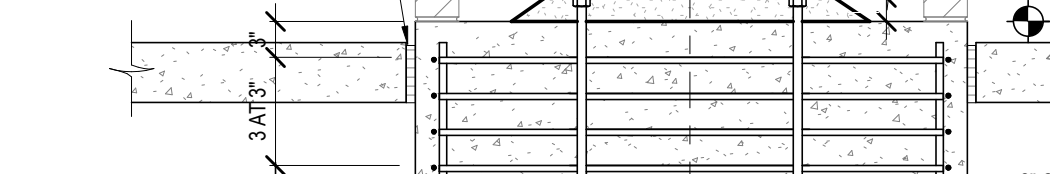
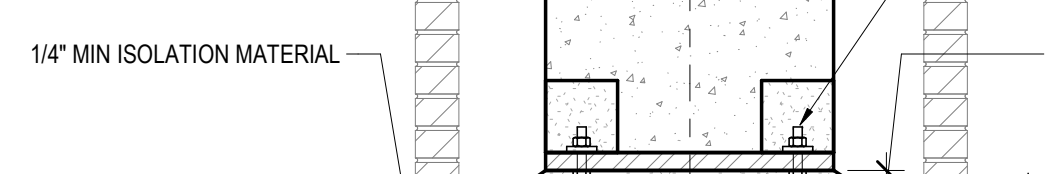
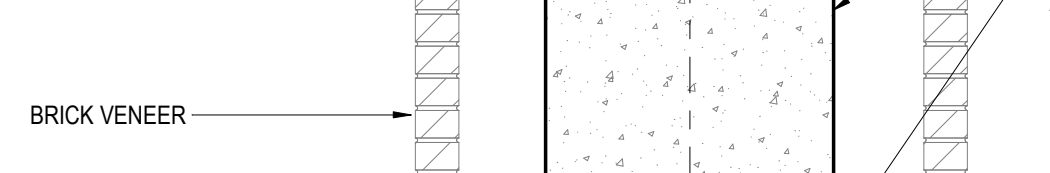
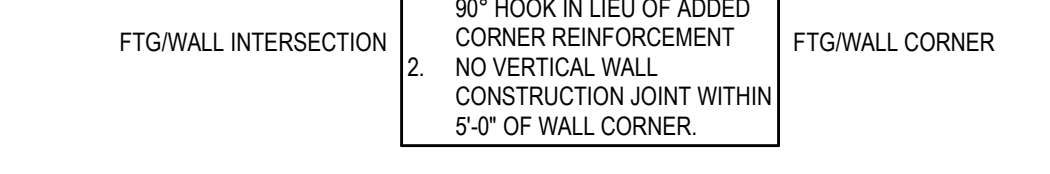
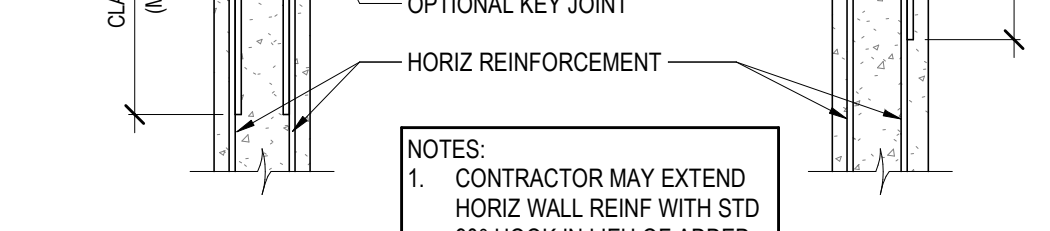
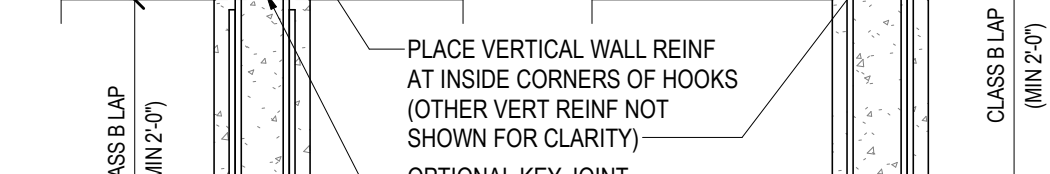
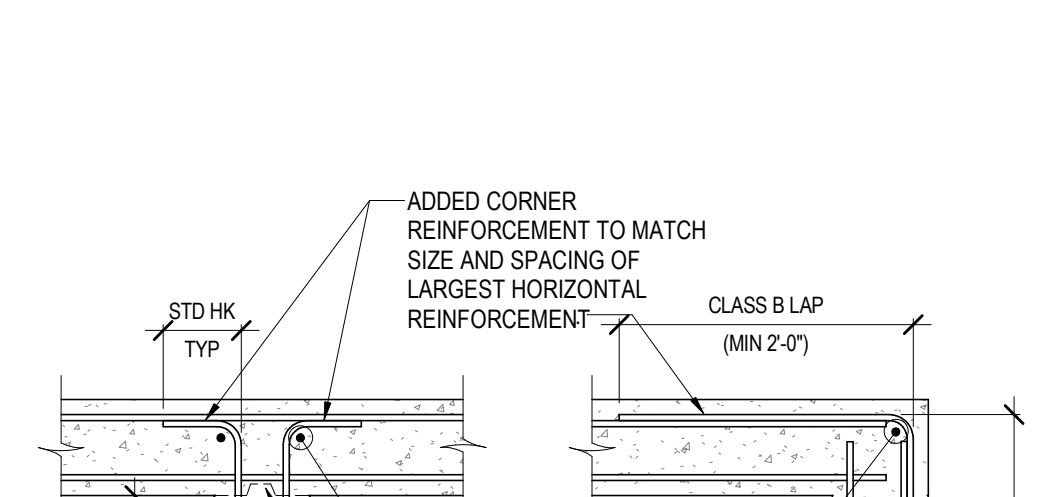
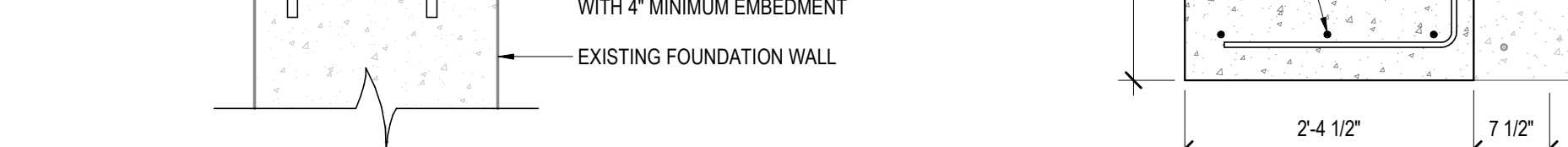
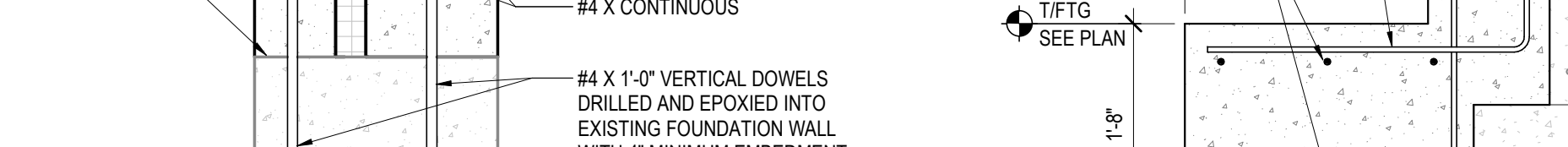
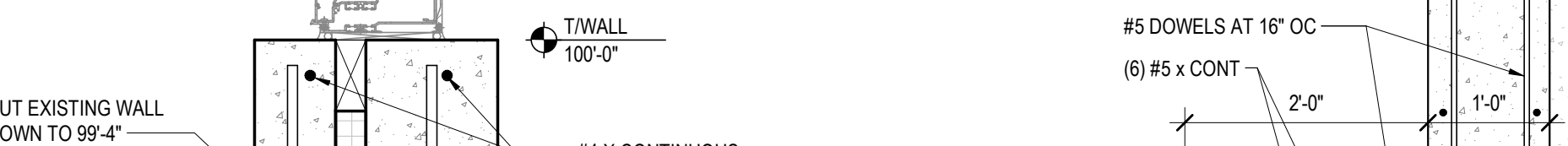
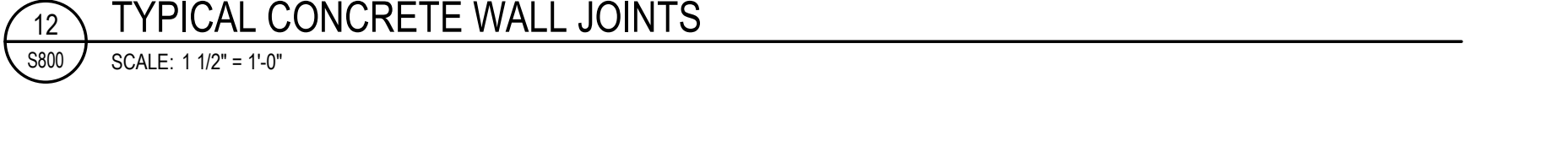
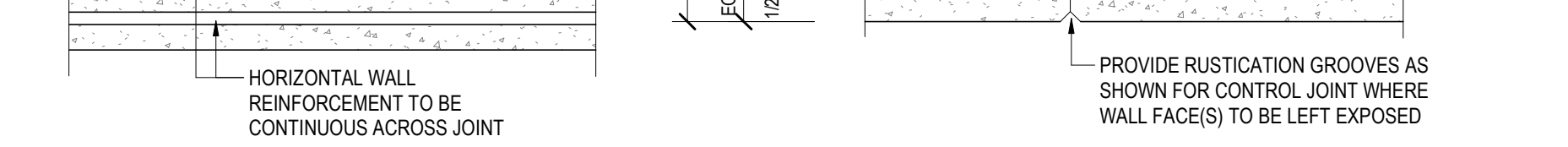
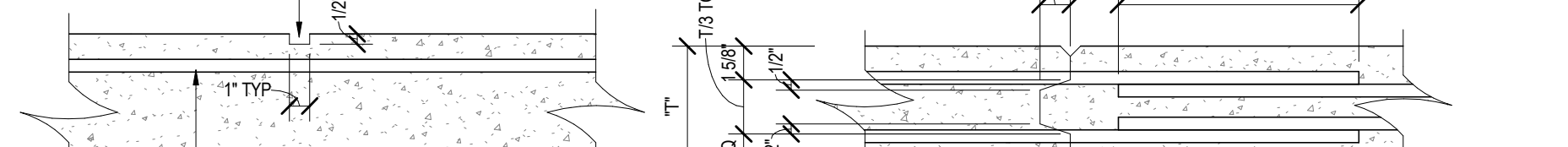
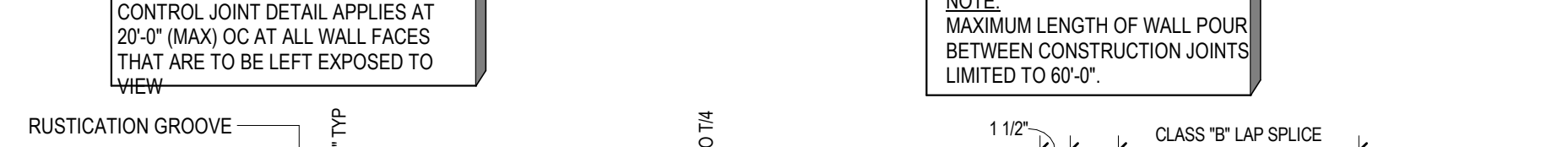
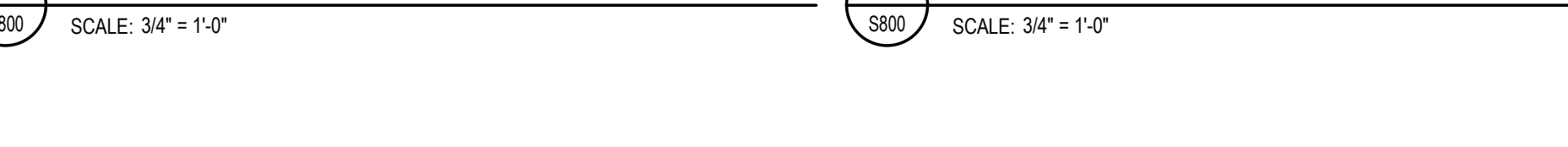
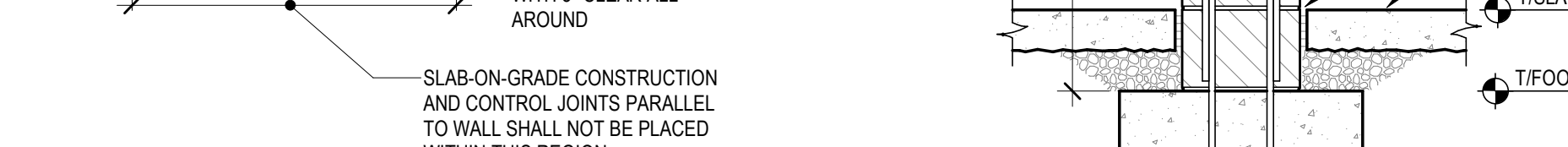
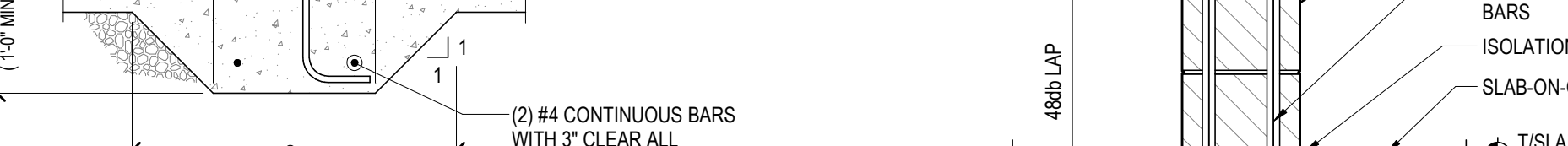
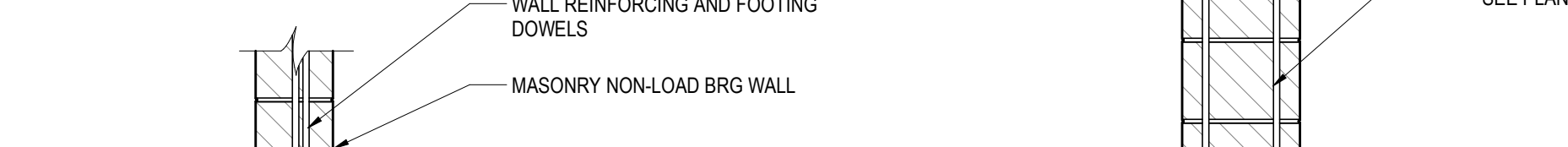
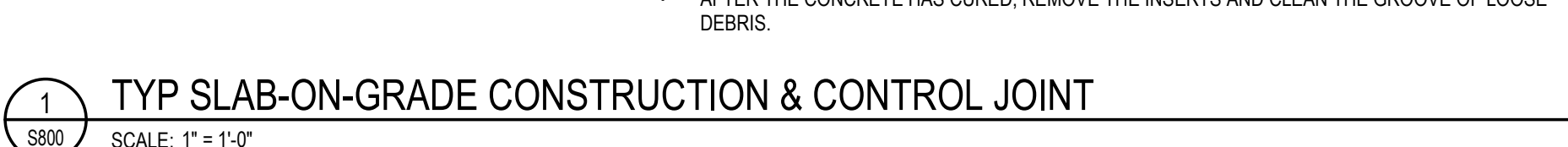
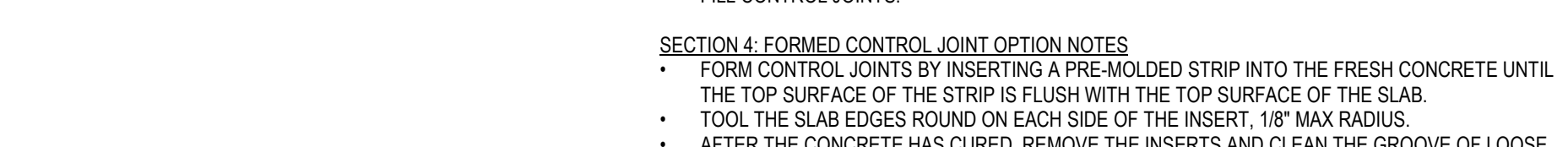
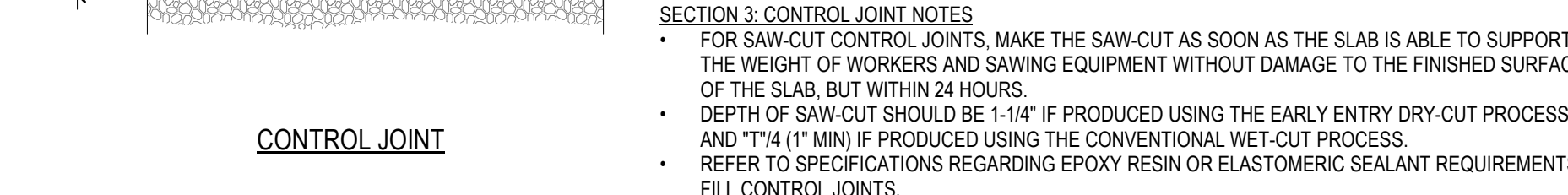
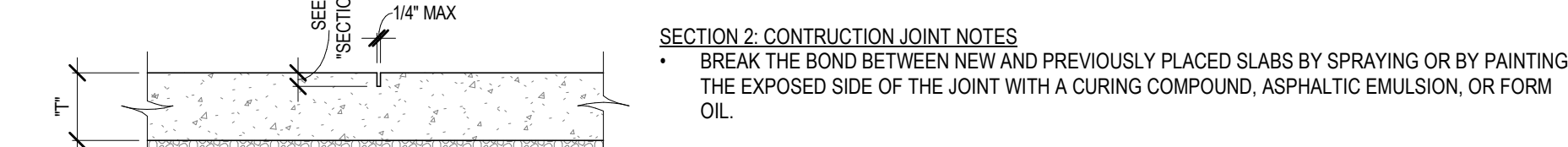
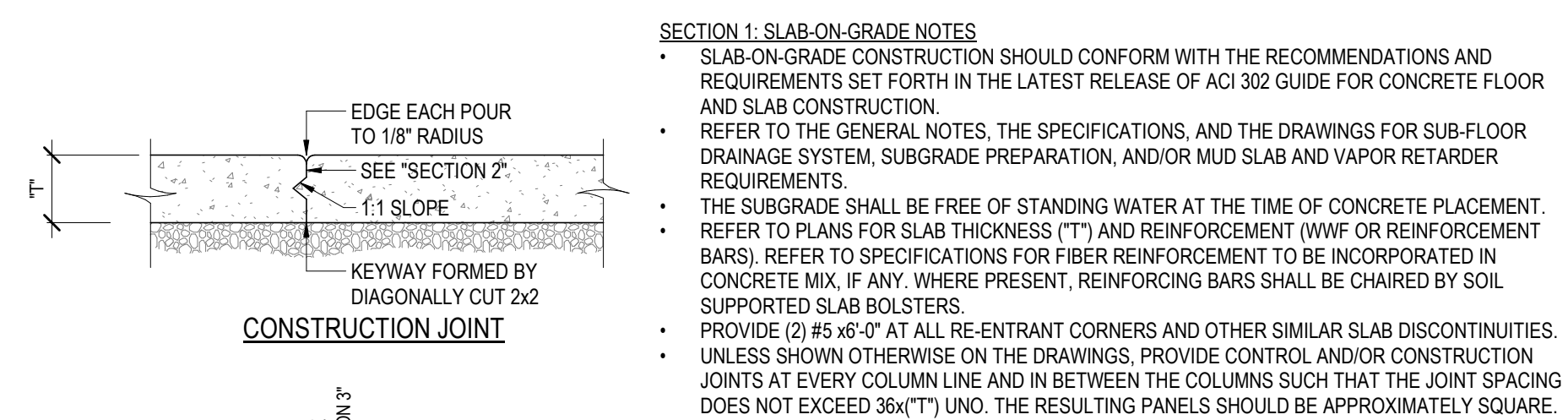
Graphic Scale:

**VARIES**

Last Update:

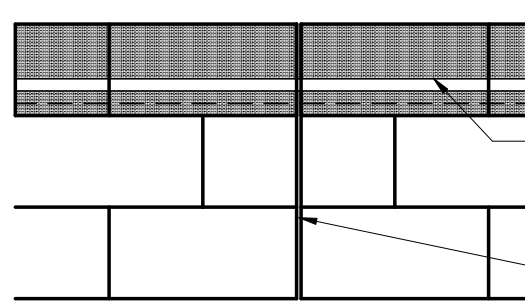
**12/22/2021 10:04:00 AM**

**S800**

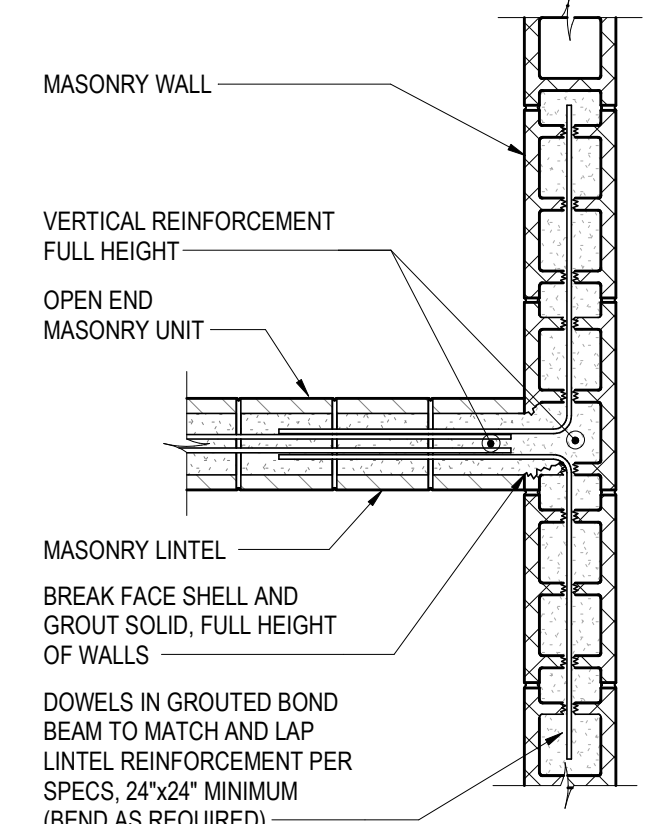
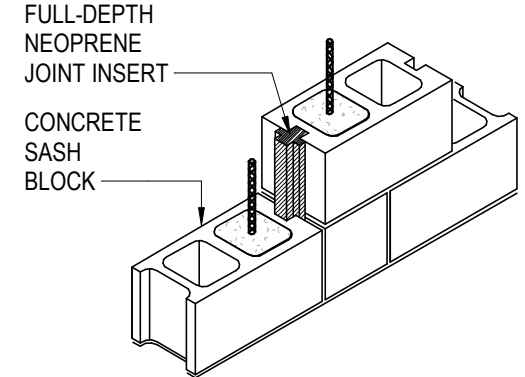




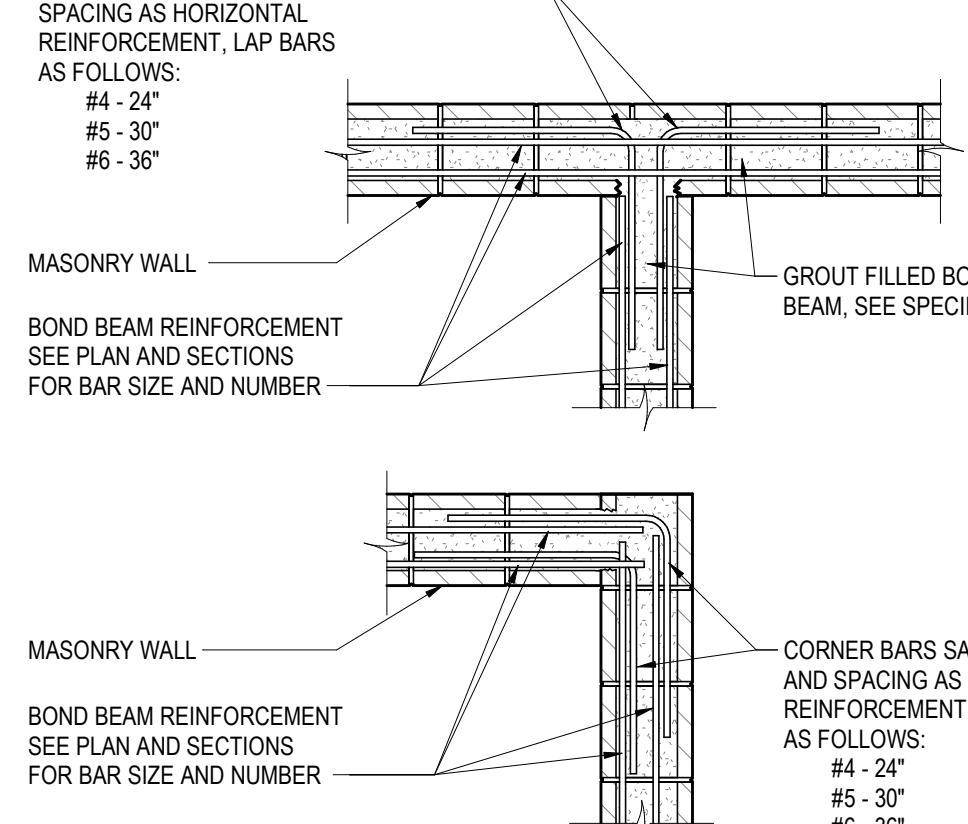
- CONTROL JOINTS TO BE PLACED:
- 1) MAXIMUM OF 6'-0" FROM CORNER ALONG ONE OF THE TWO ORTHOGONAL WALLS
  - 2) MAXIMUM OF 24'-0" O.C. INCLUDING DISTANCE BETWEEN JOINTS AROUND CORNER
  - 3) AS OTHERWISE DETAILED ON ARCHITECTURAL DRAWINGS



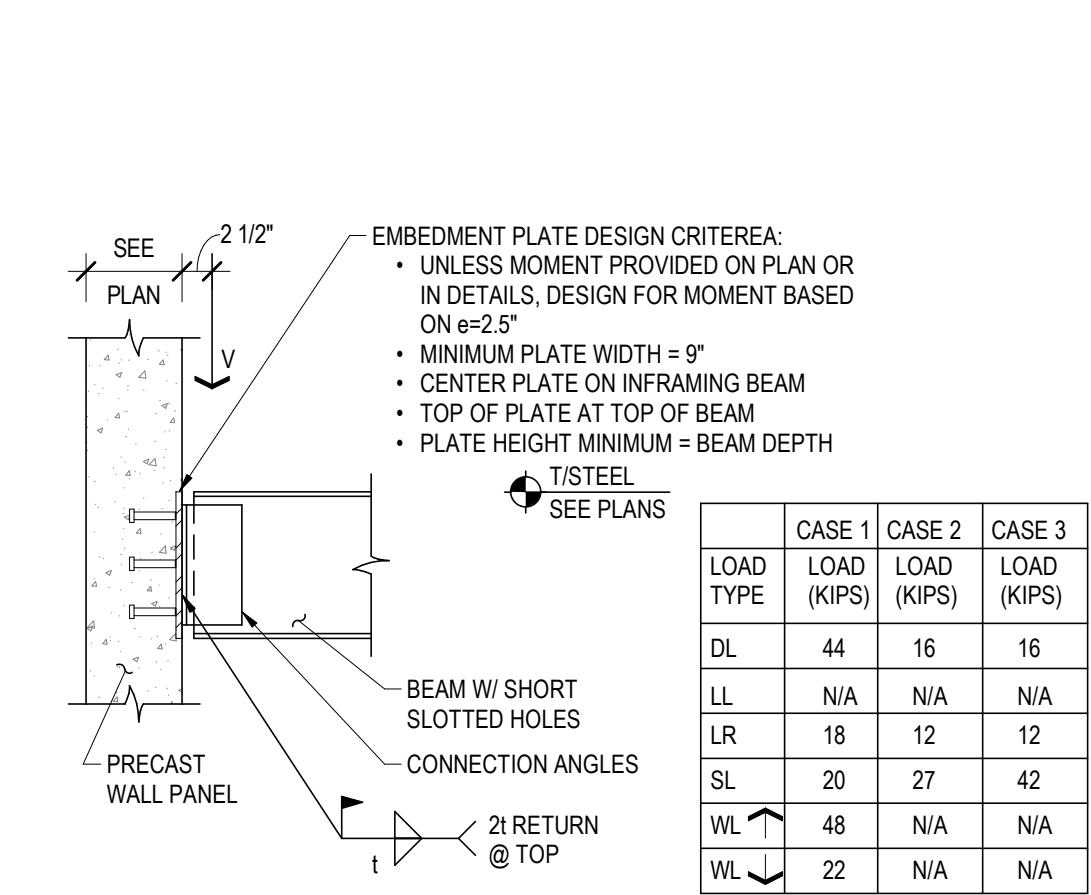
**KEYED CMU CONTROL JOINT (NEOPRENE INSERT, REBAR ADJACENT TO CJ)**  
SCALE: NONE



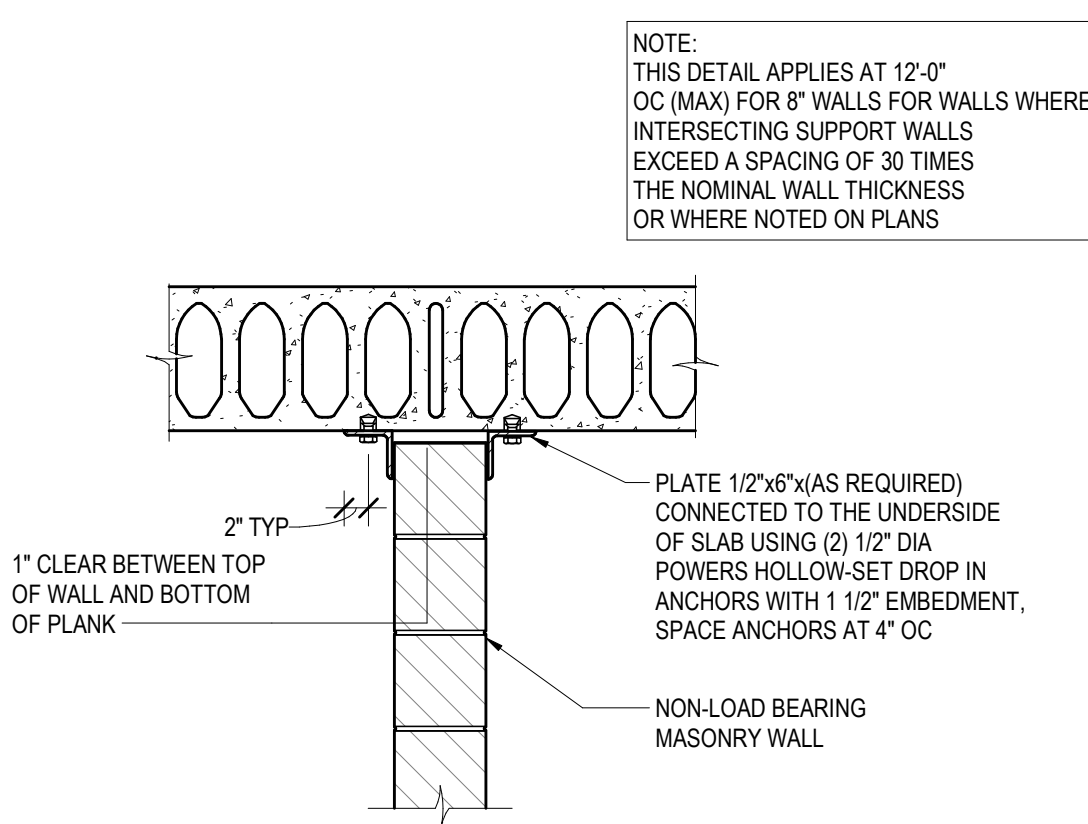
**MASONRY WALL INTERSECTION AT MASONRY LINTEL**  
SCALE: 3/4" = 1'-0"



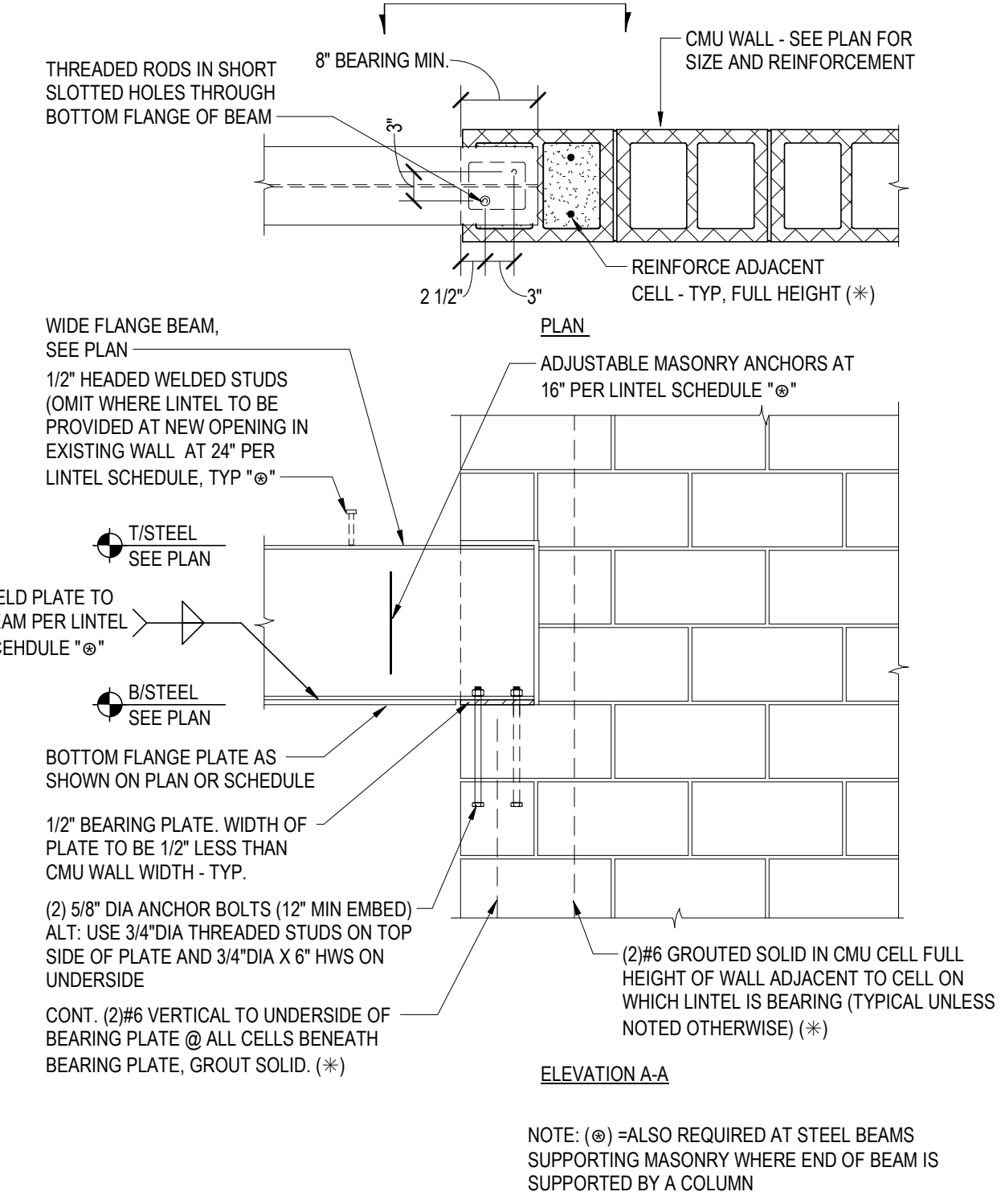
**MASONRY BOND BEAM CORNER REINFORCEMENT PLAN DETAIL**  
SCALE: 3/4" = 1'-0"



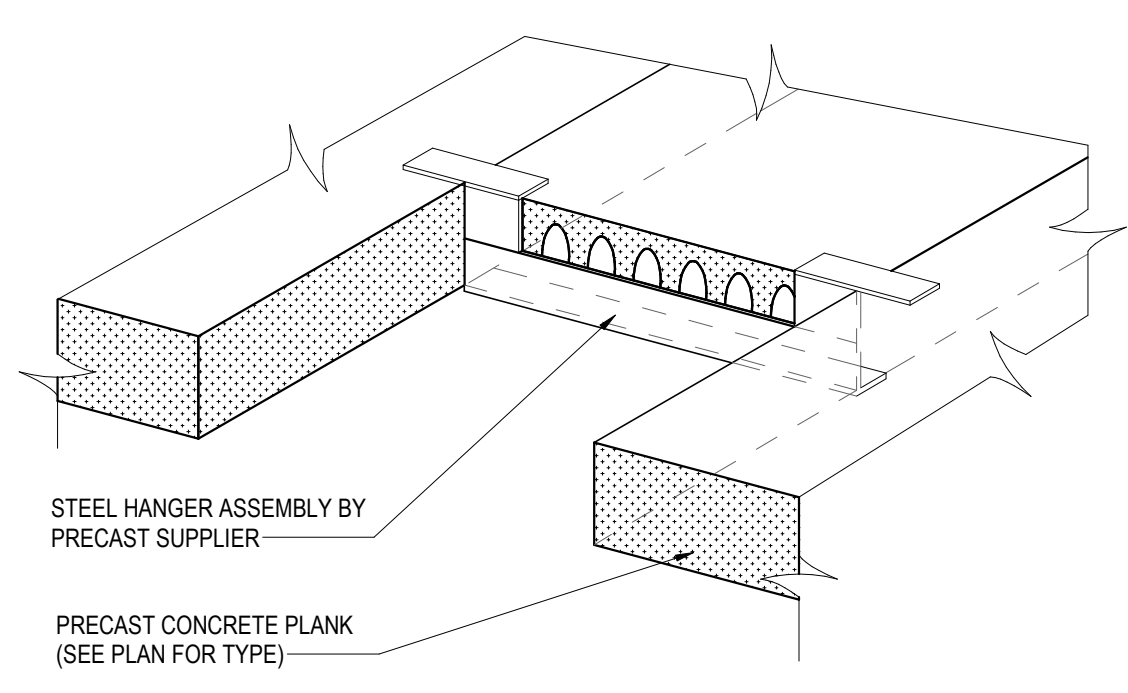
**TYPICAL BEAM AT EMBEDDED PLATE**  
SCALE: 3/4" = 1'-0"



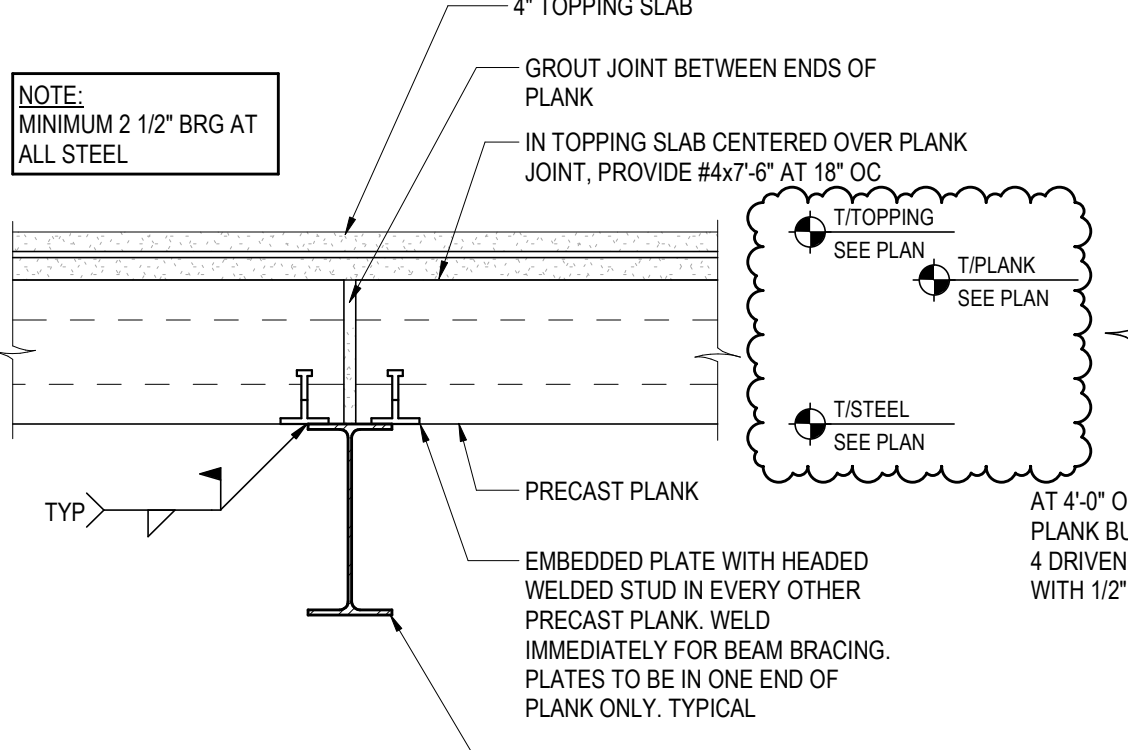
**NON-LOAD BEARING MASONRY WALL AT PRECAST PLANK**  
SCALE: 3/4" = 1'-0"



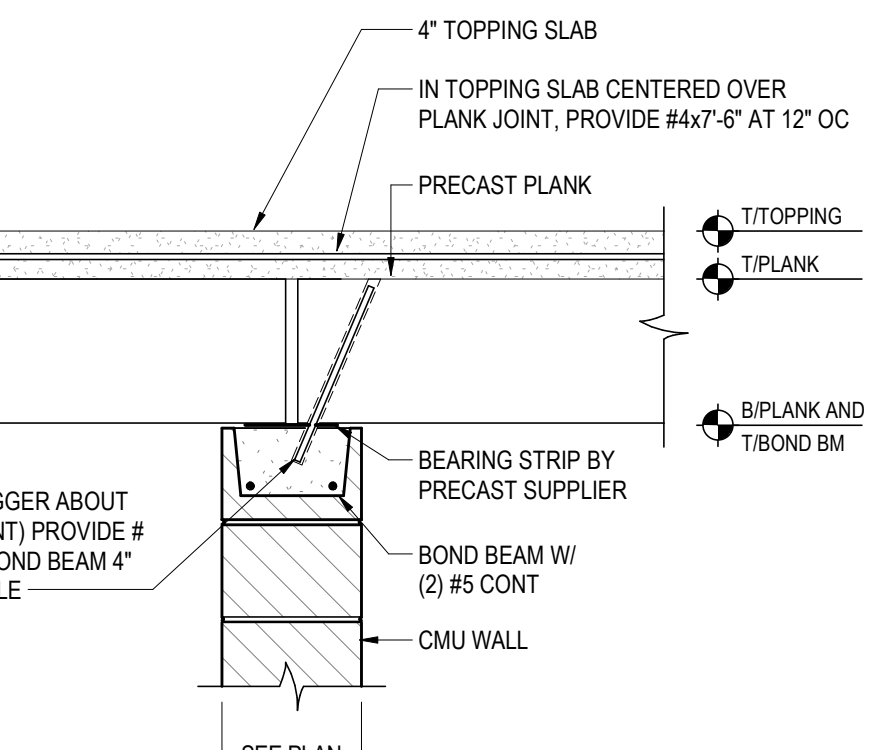
**LINTEL BEARING DETAIL (STEEL BEAM LINTELS)**  
SCALE: 3/4" = 1'-0"



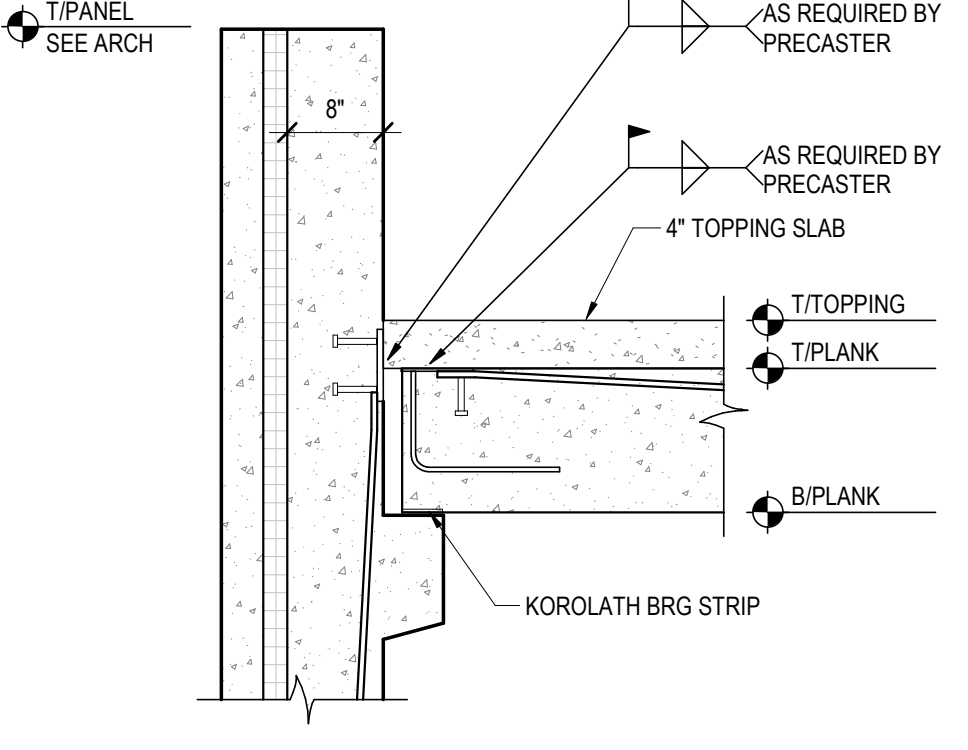
**PRECAST PLANK HANGER**  
SCALE: 1" = 1'-0"



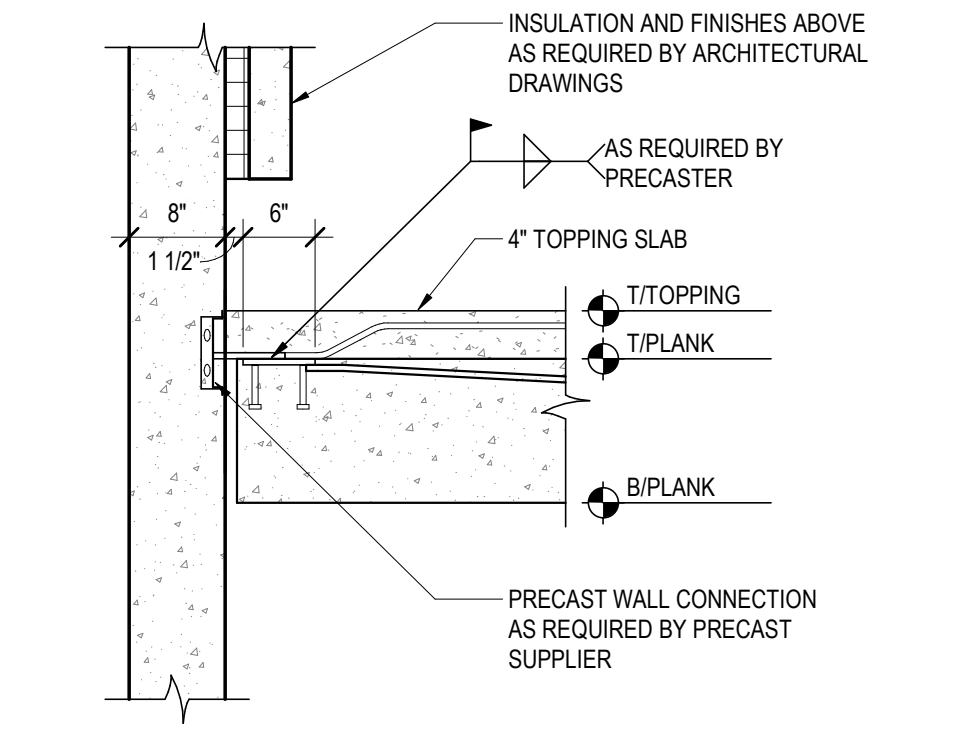
**PRECAST BEARING ON STEEL BEAM**  
SCALE: 3/4" = 1'-0"



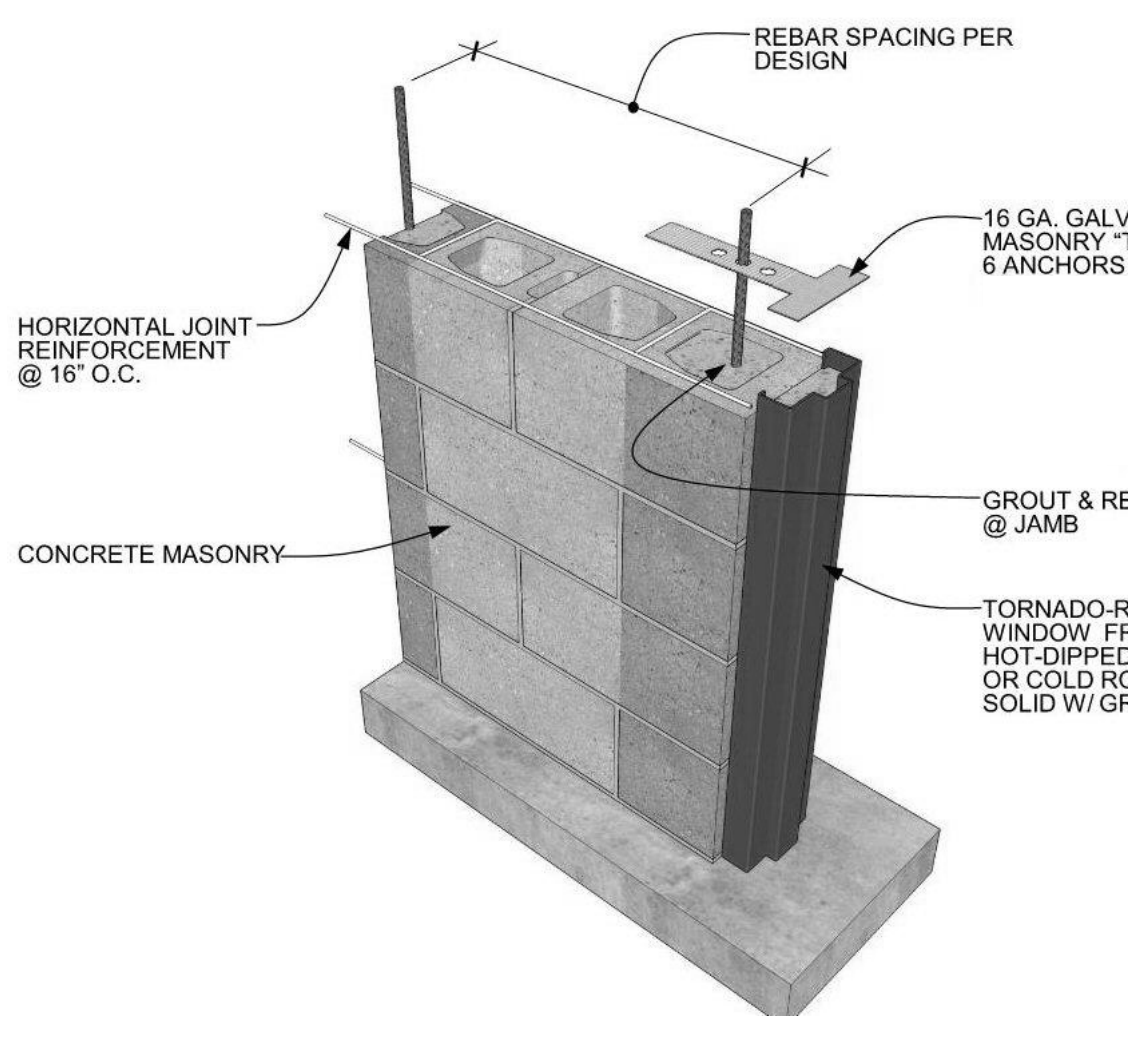
**SECTION**  
SCALE: 3/4" = 1'-0"



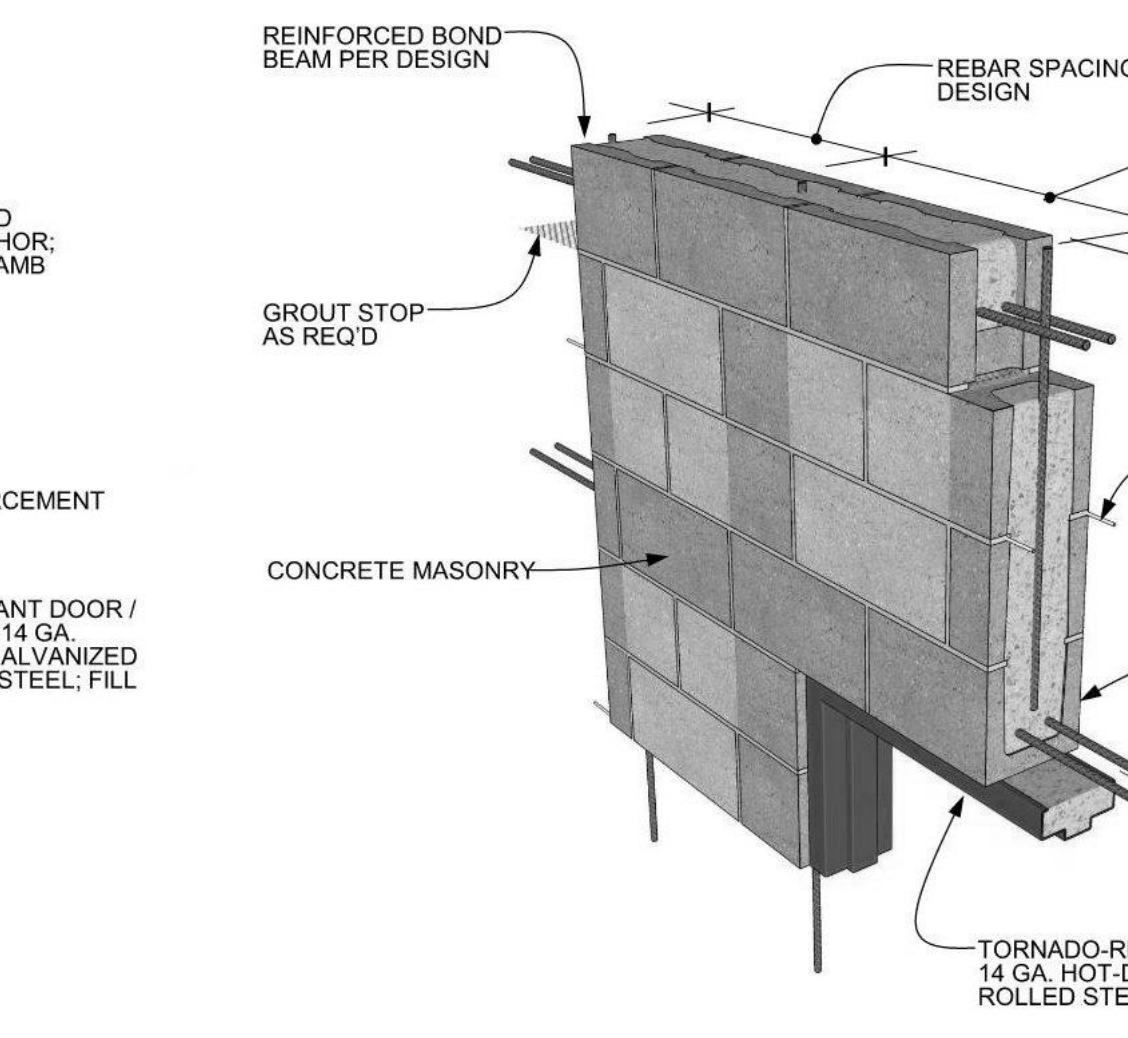
**PRECAST PLANK ON PRECAST WALL DETAIL**  
SCALE: 3/4" = 1'-0"



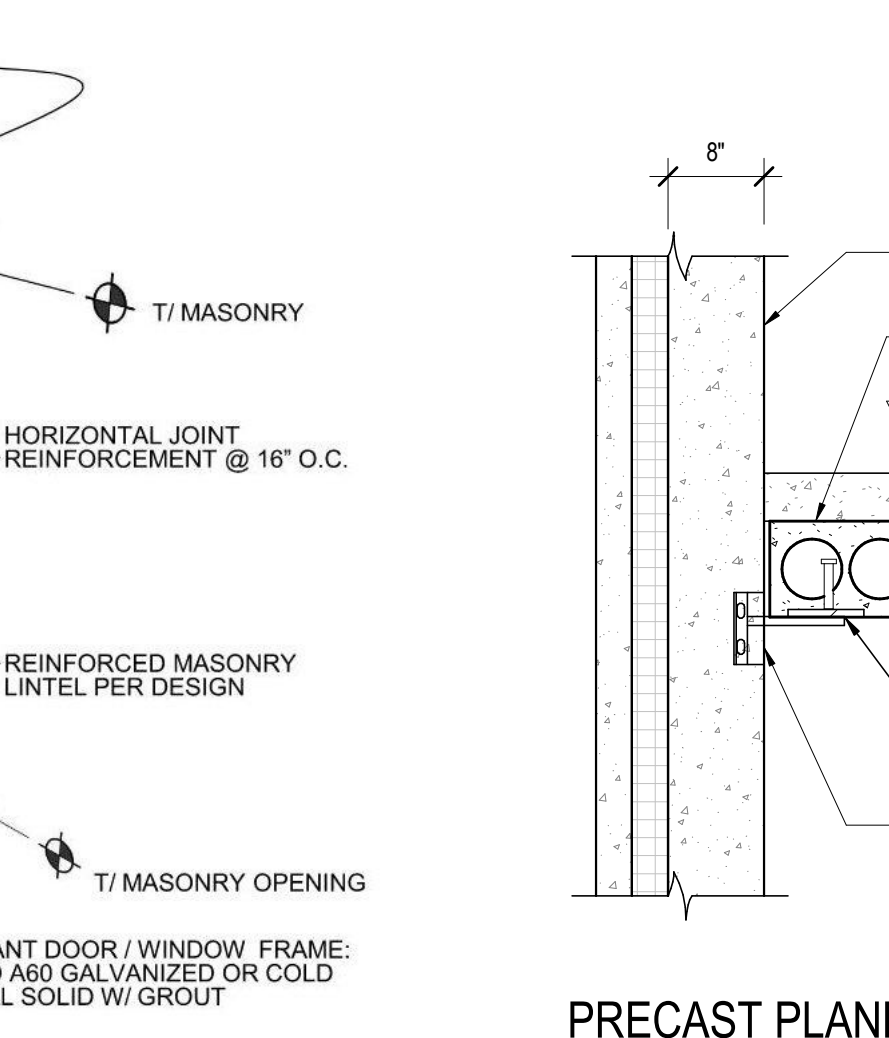
**PRECAST PLANK PARALLEL TO PRECAST WALL DETAIL**  
SCALE: 3/4" = 1'-0"



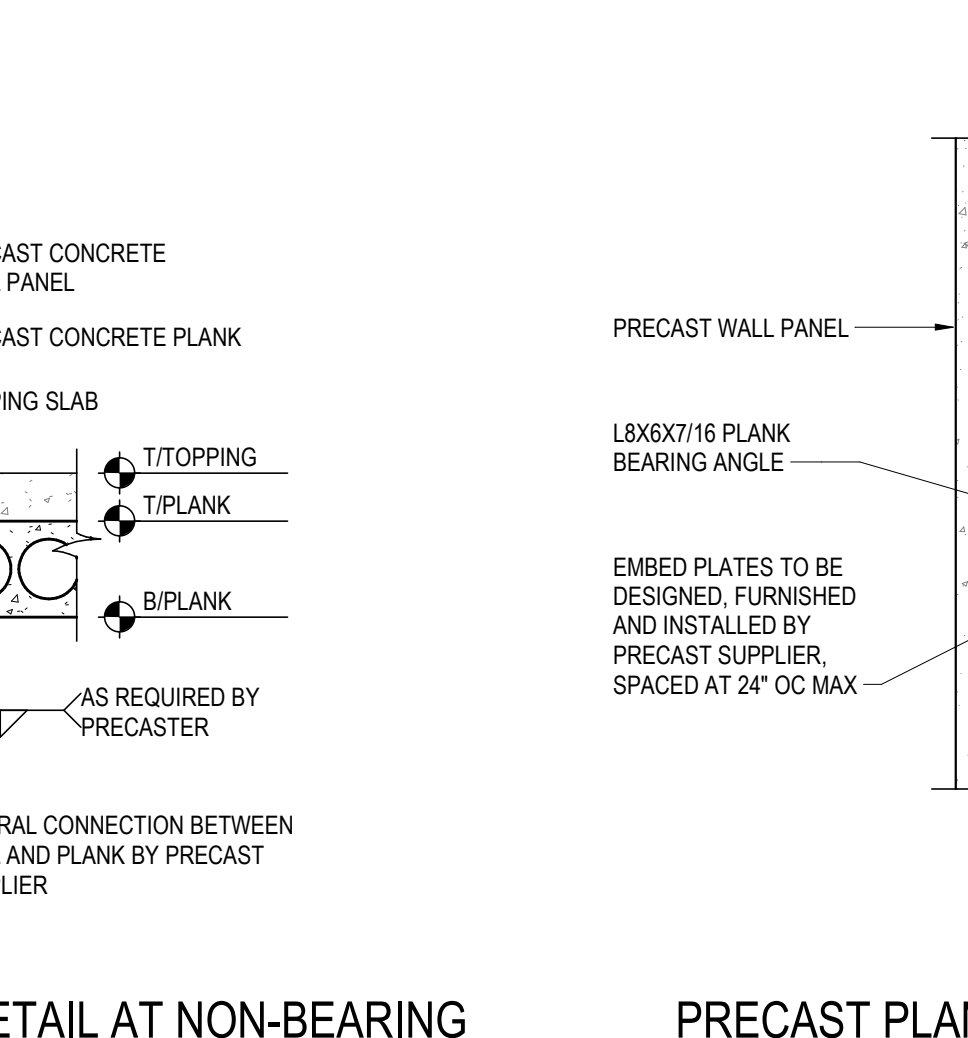
**JAMB DETAIL**  
SCALE: NONE



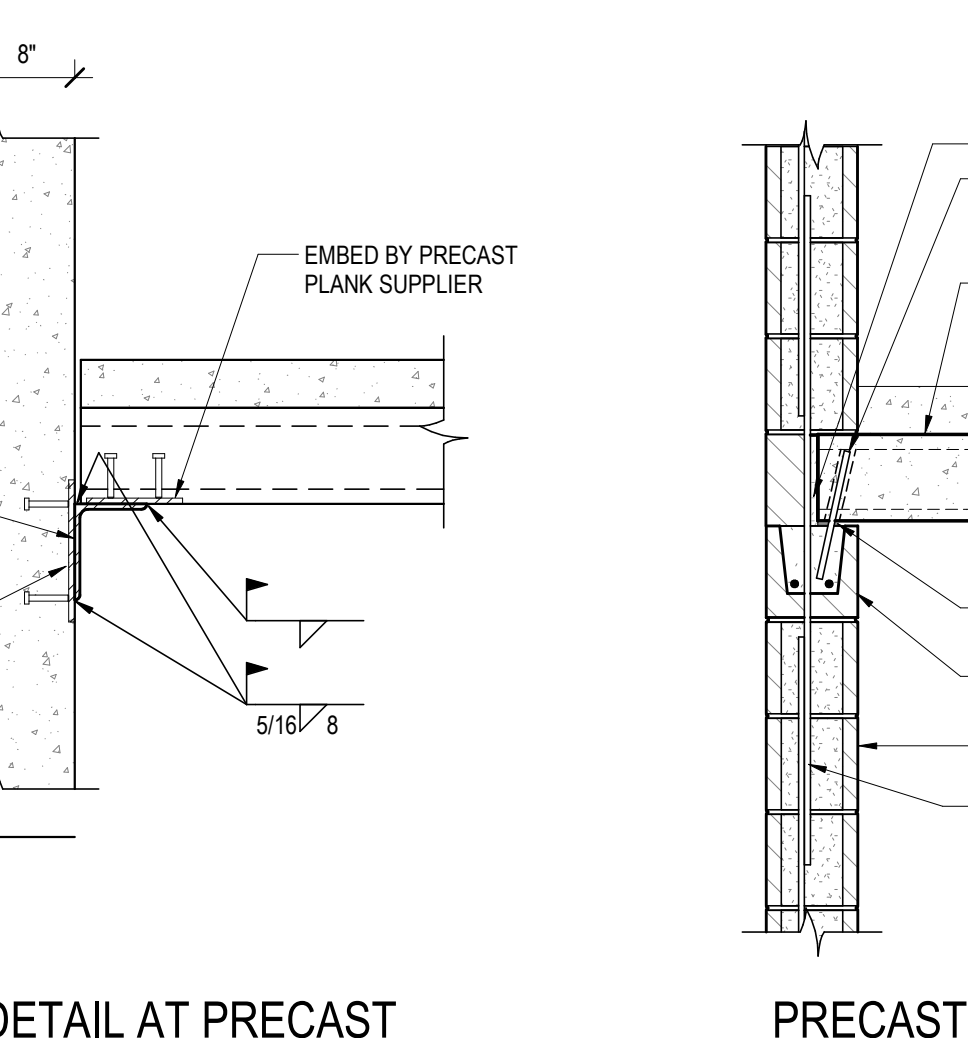
**HEAD DETAIL**  
SCALE: NONE



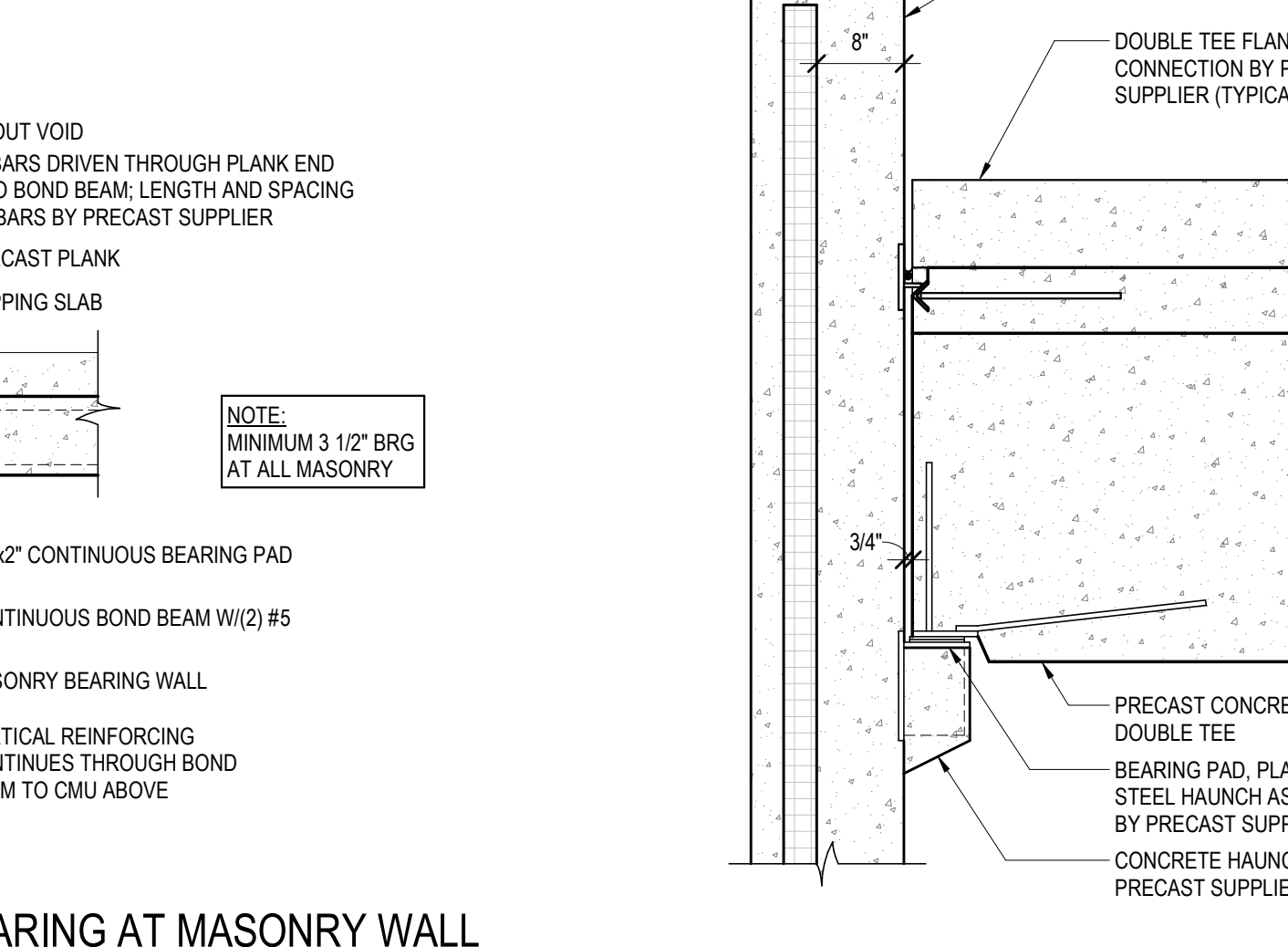
**PRECAST PLANK DETAIL AT NON-BEARING PRECAST WALL (SLOTTED INSERT)**  
SCALE: 3/4" = 1'-0"



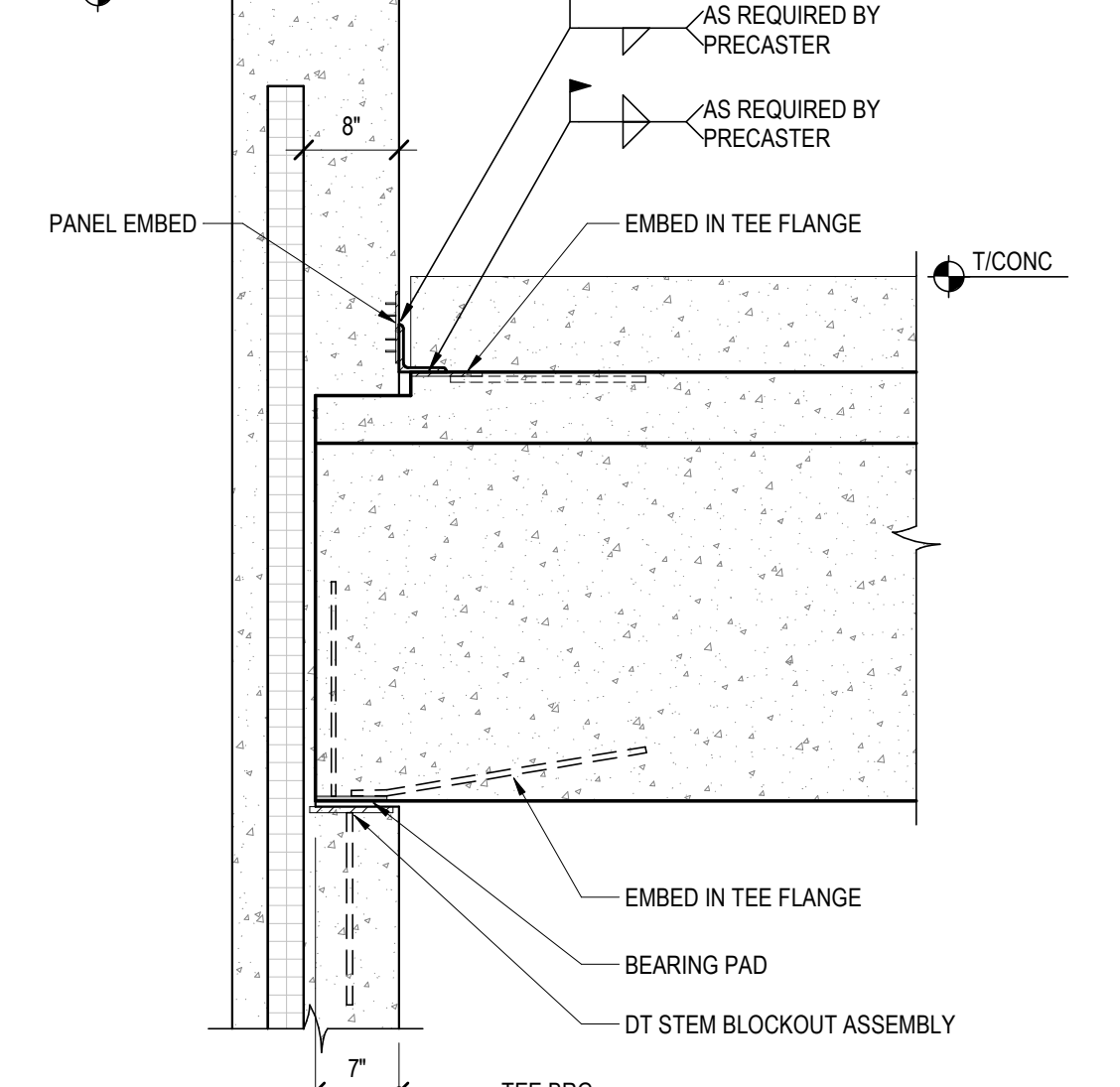
**PRECAST PLANK DETAIL AT PRECAST BEARING WALL**  
SCALE: 3/4" = 1'-0"



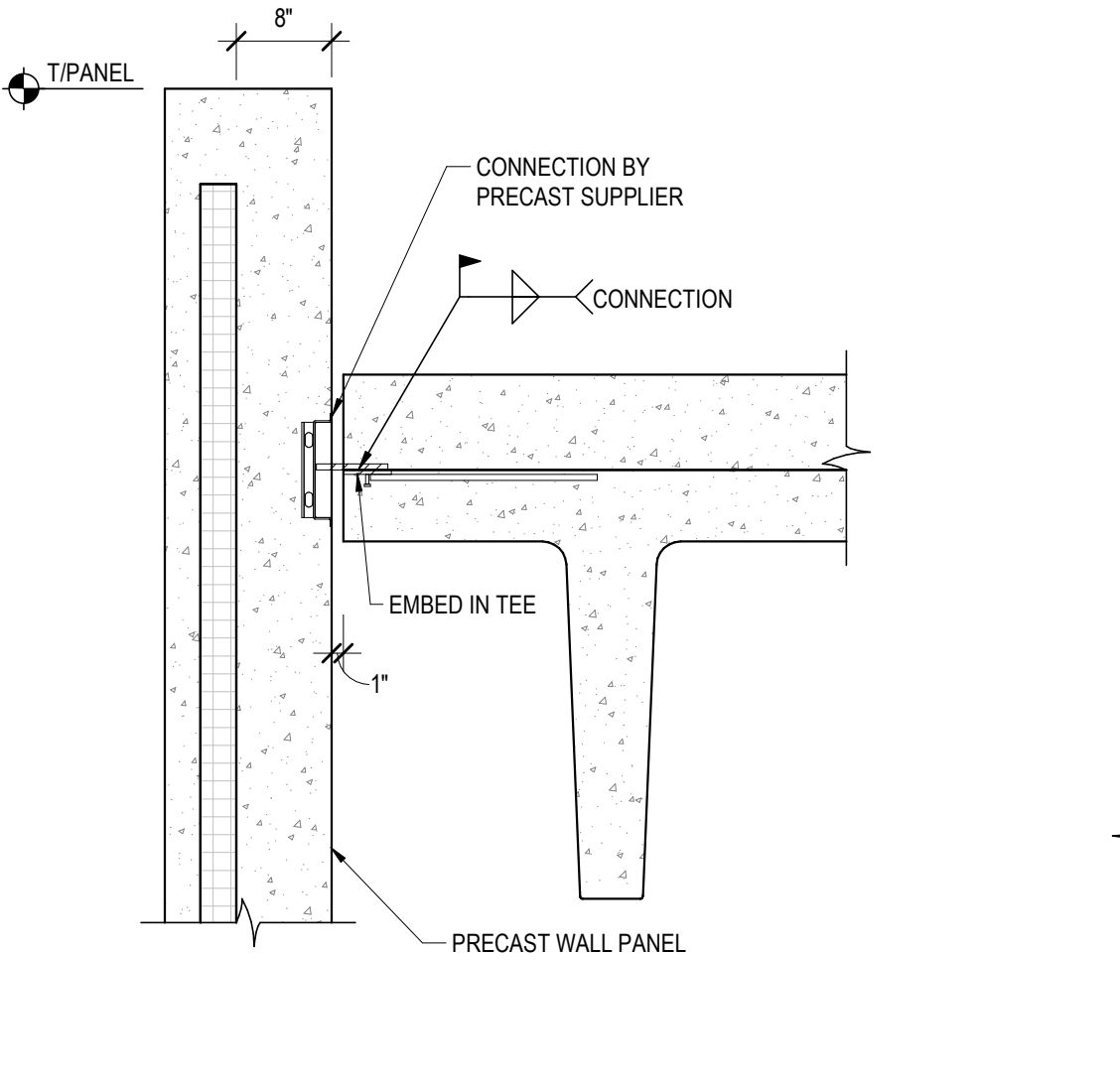
**PRECAST BEARING AT MASONRY WALL (WALL CONTINUES)**  
SCALE: 3/4" = 1'-0"



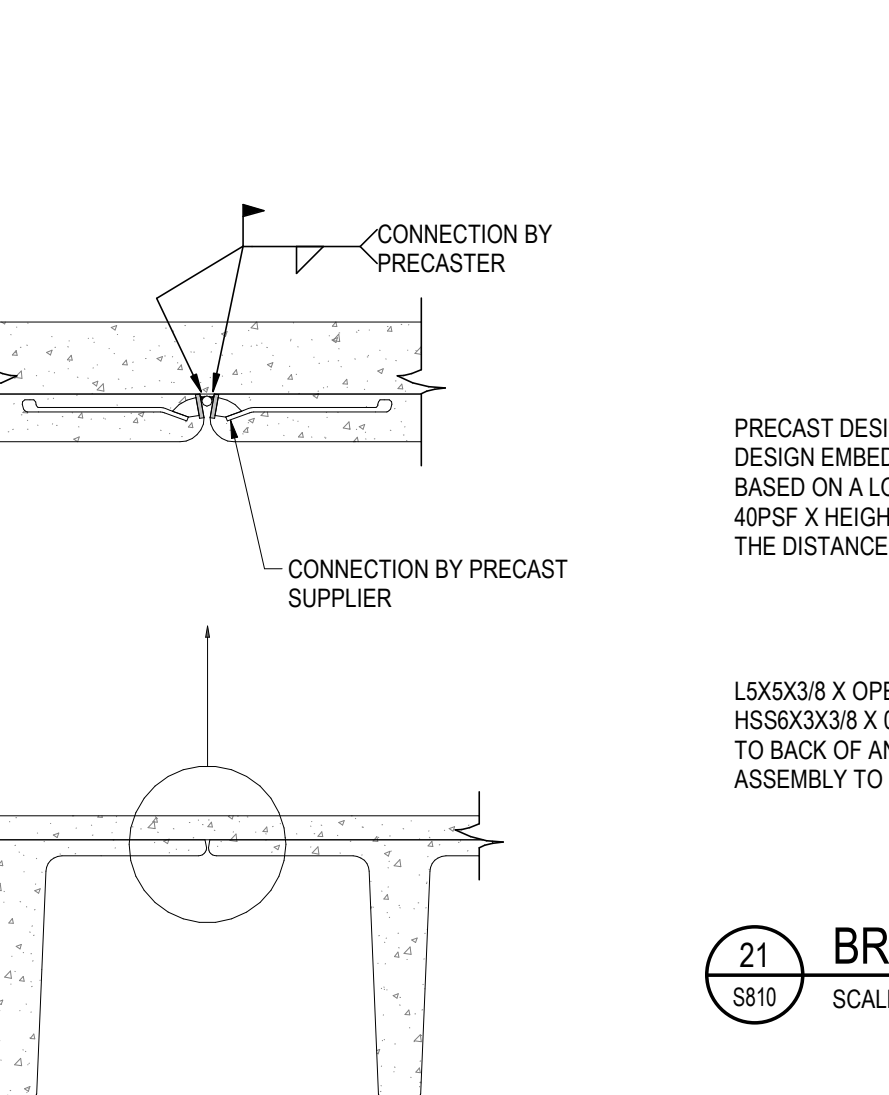
**DOUBLE TEE BEARING AT PRECAST WALL**  
SCALE: 3/4" = 1'-0"



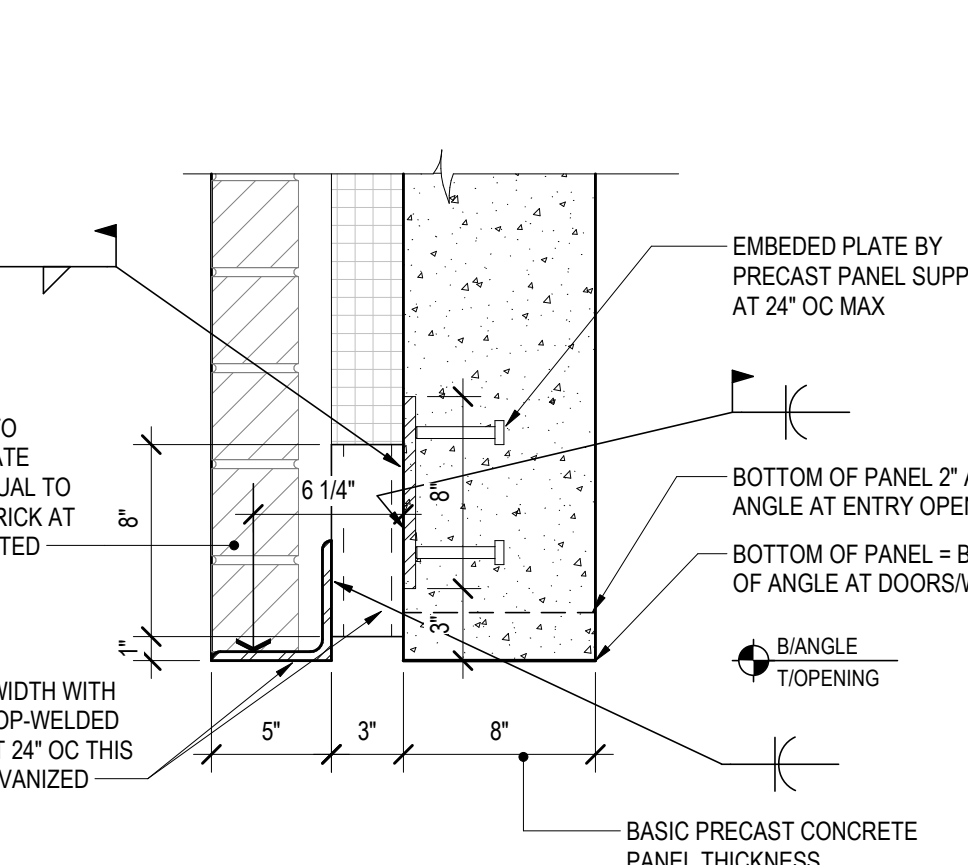
**DOUBLE TEE BEARING AT PRECAST WALL**  
SCALE: 3/4" = 1'-0"



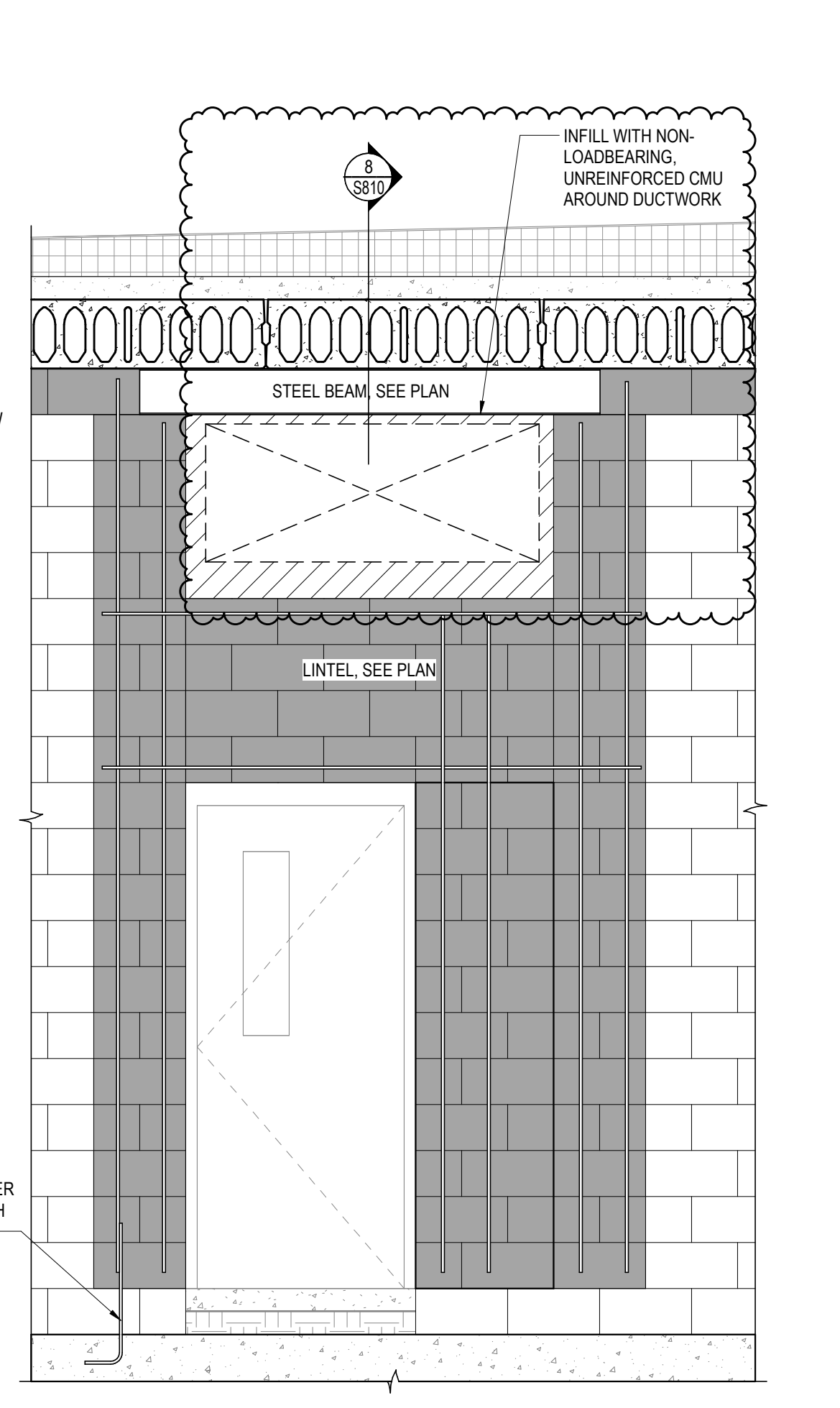
**DOUBLE TEE PARALLEL TO PRECAST WALL**  
SCALE: 3/4" = 1'-0"



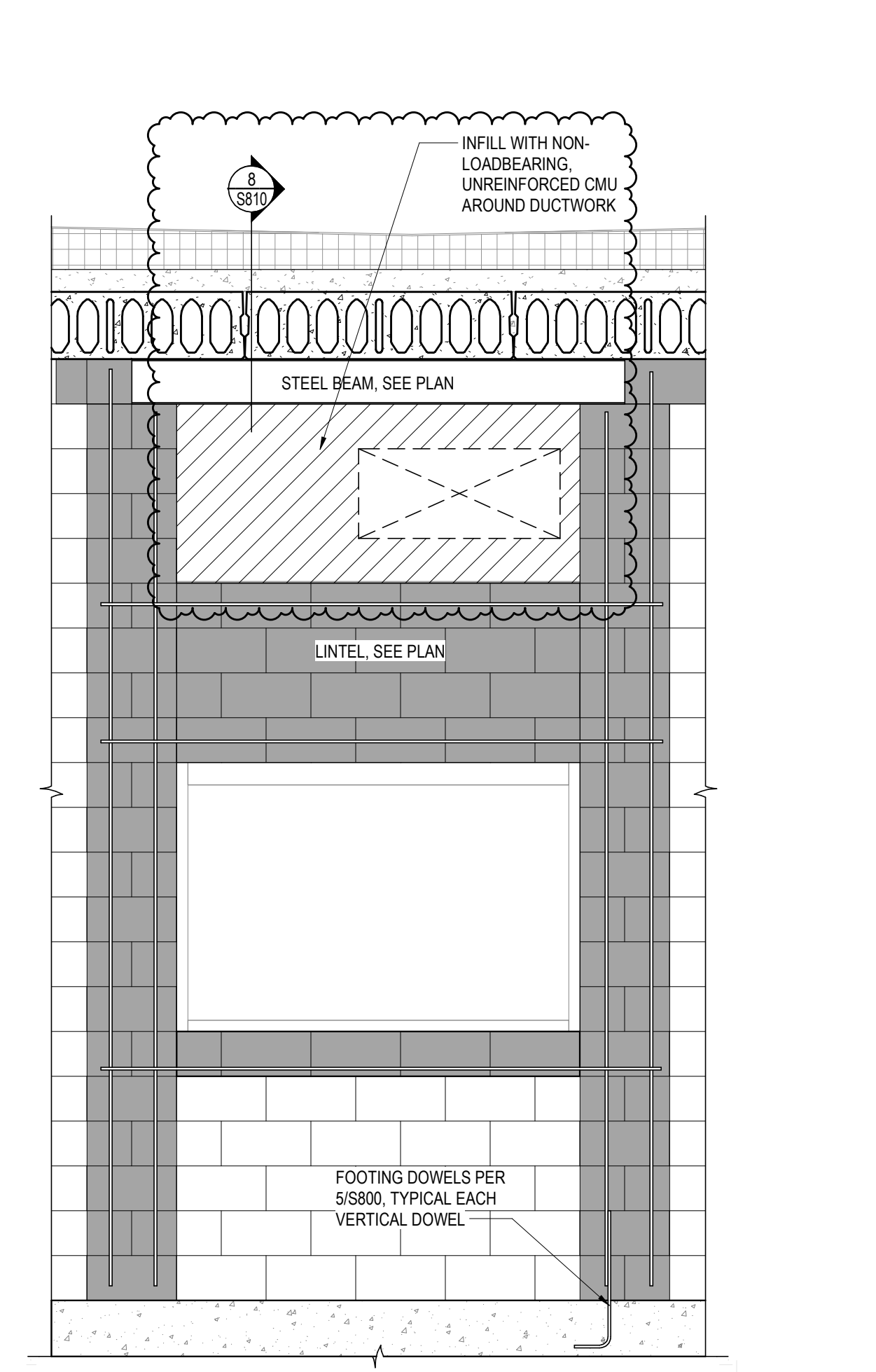
**SECTION**  
SCALE: 1 1/2" = 1'-0"



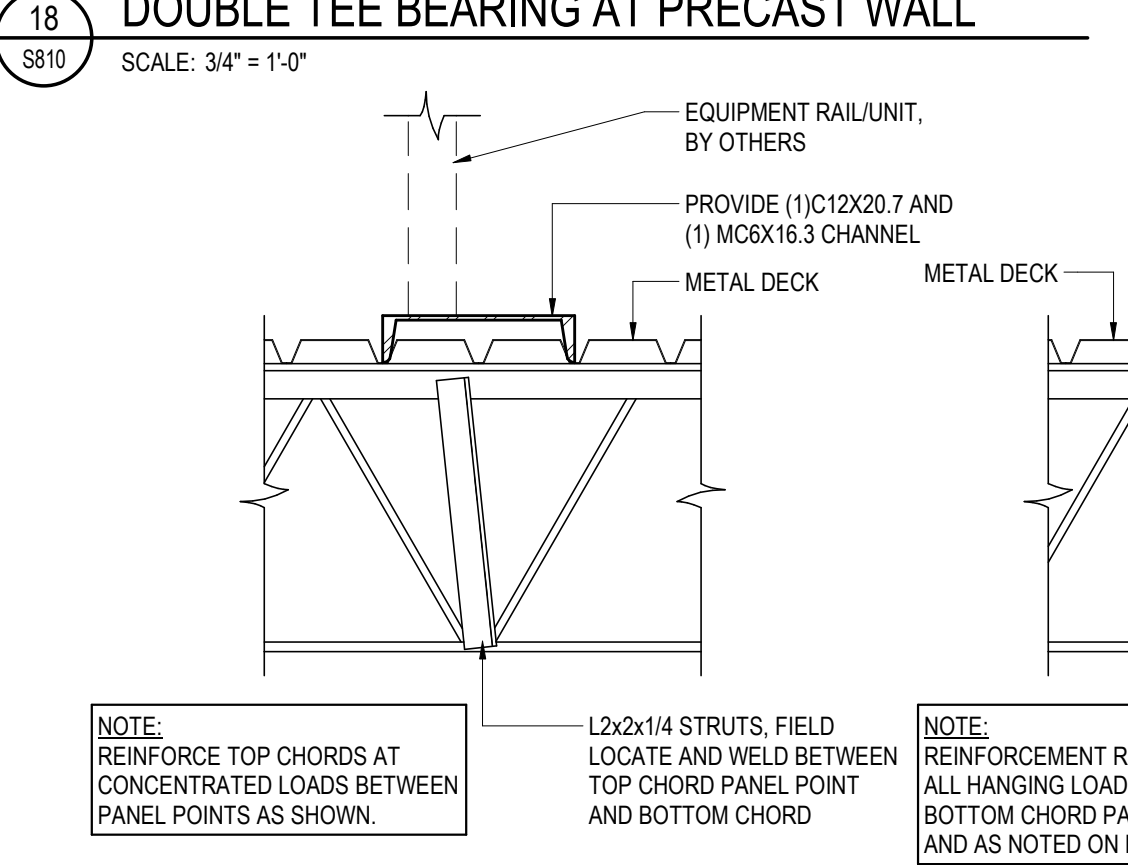
**BRICK LINTEL SUPPORT AT PRECAST**  
SCALE: 1 1/2" = 1'-0"



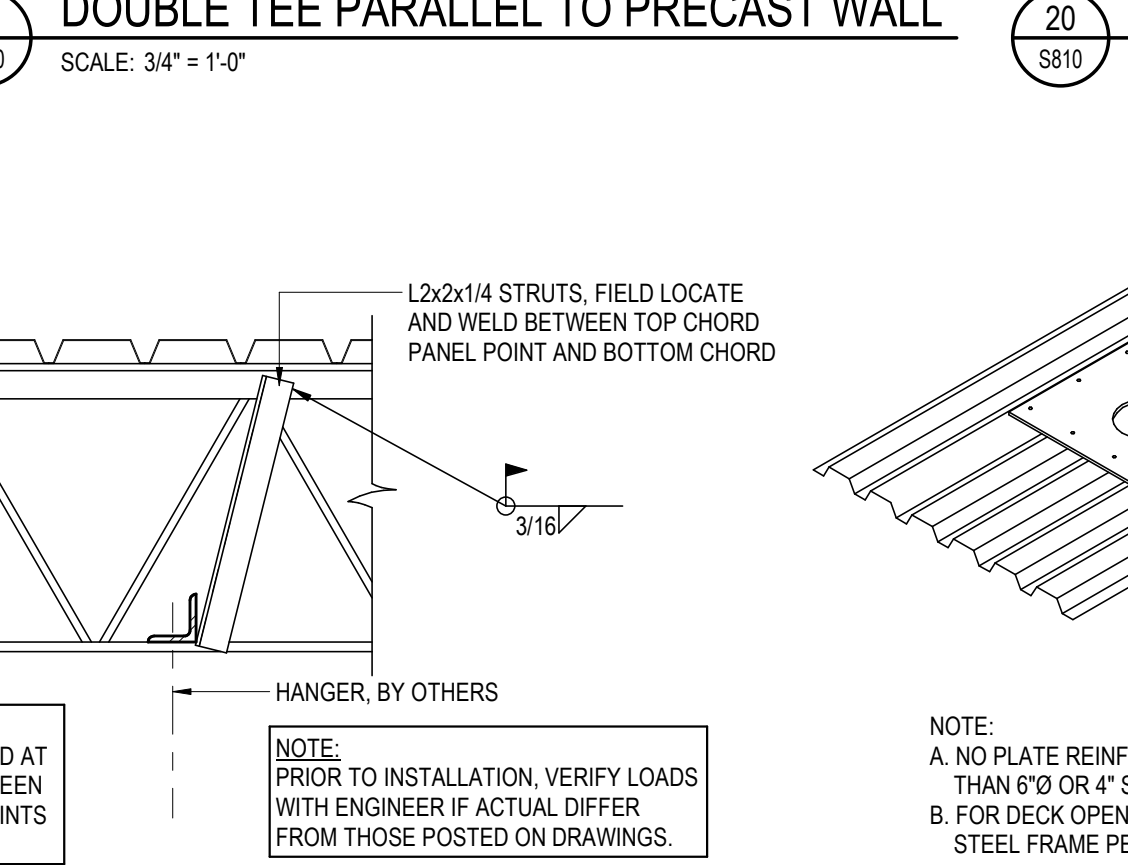
**METAL DECK FASTENING DETAIL**  
SCALE: 12" = 1'-0"



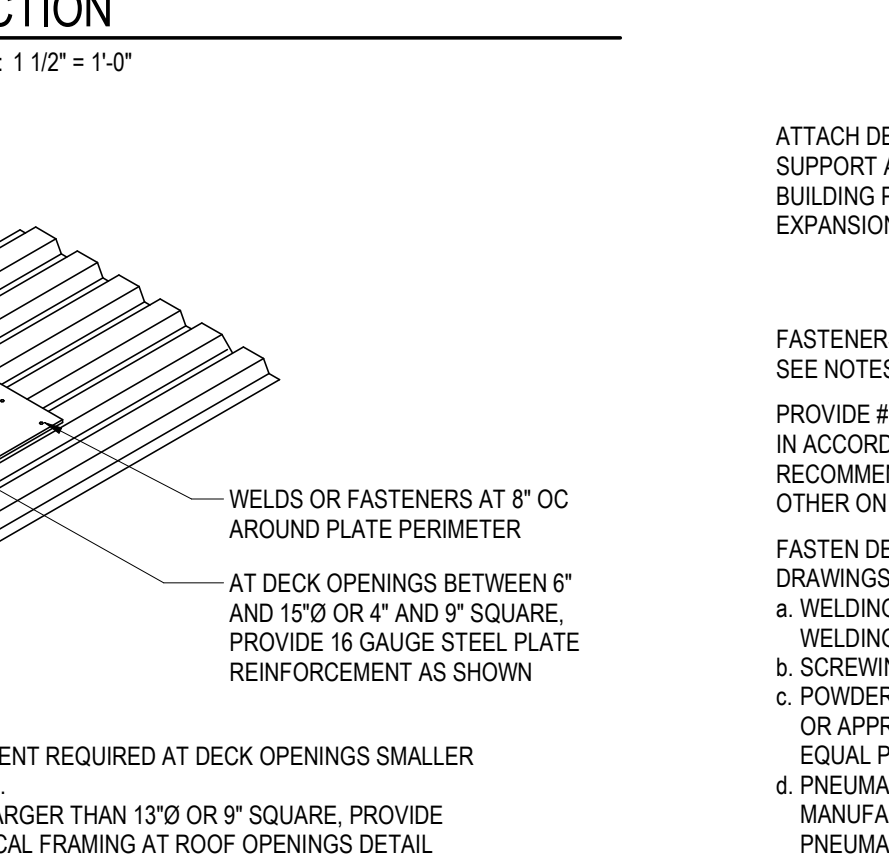
**ELEVATION**  
SCALE: 1/2" = 1'-0"



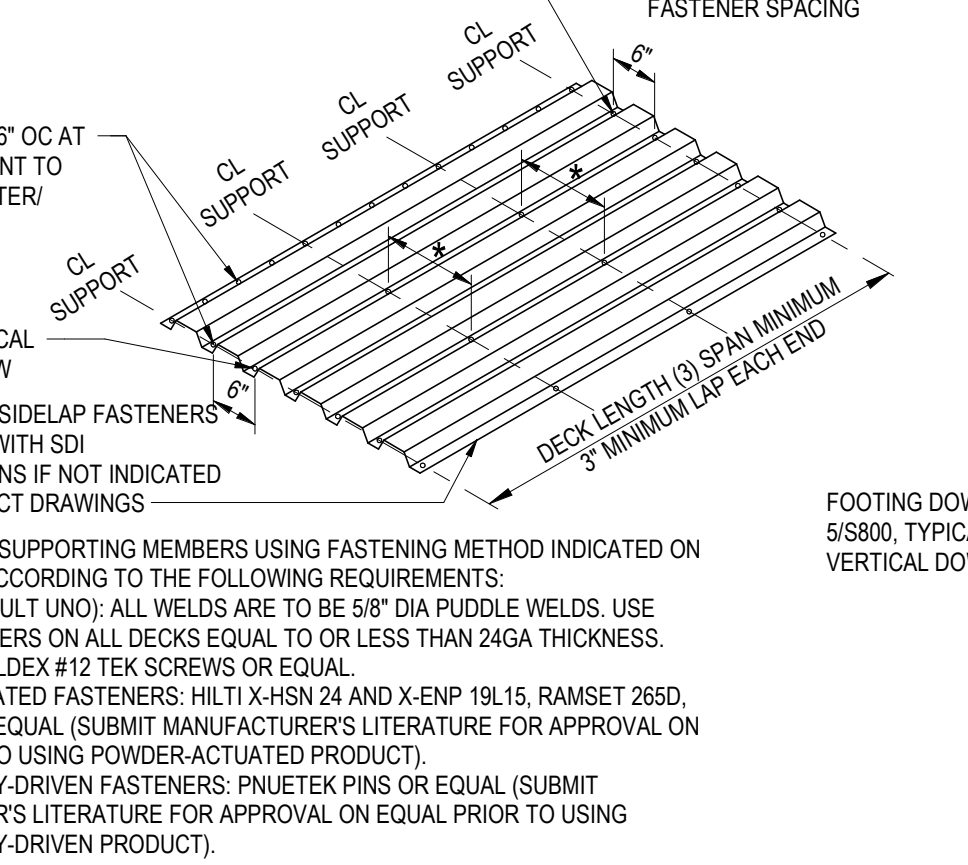
**CONCENTRATED LOAD AT JOIST**  
SCALE: 1" = 1'-0"



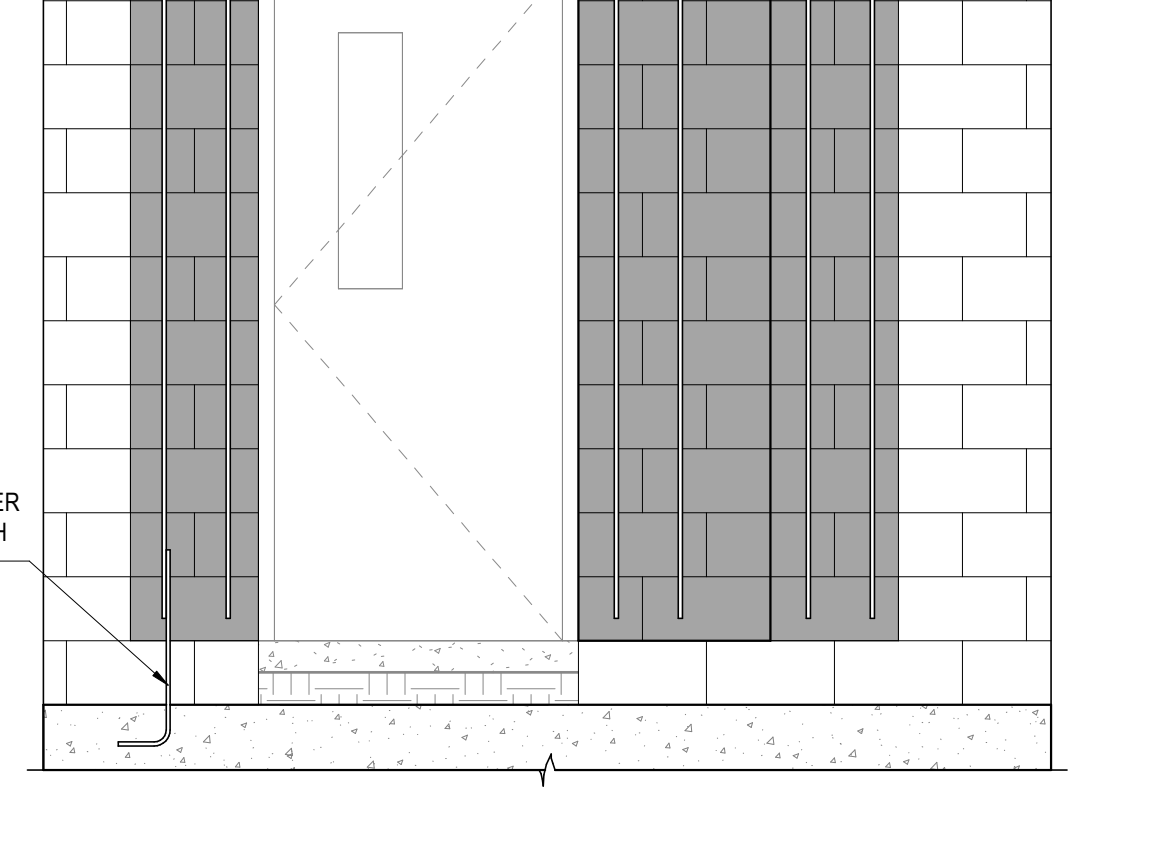
**TYPICAL ROOF DECK OPENING**  
SCALE: 1" = 1'-0"



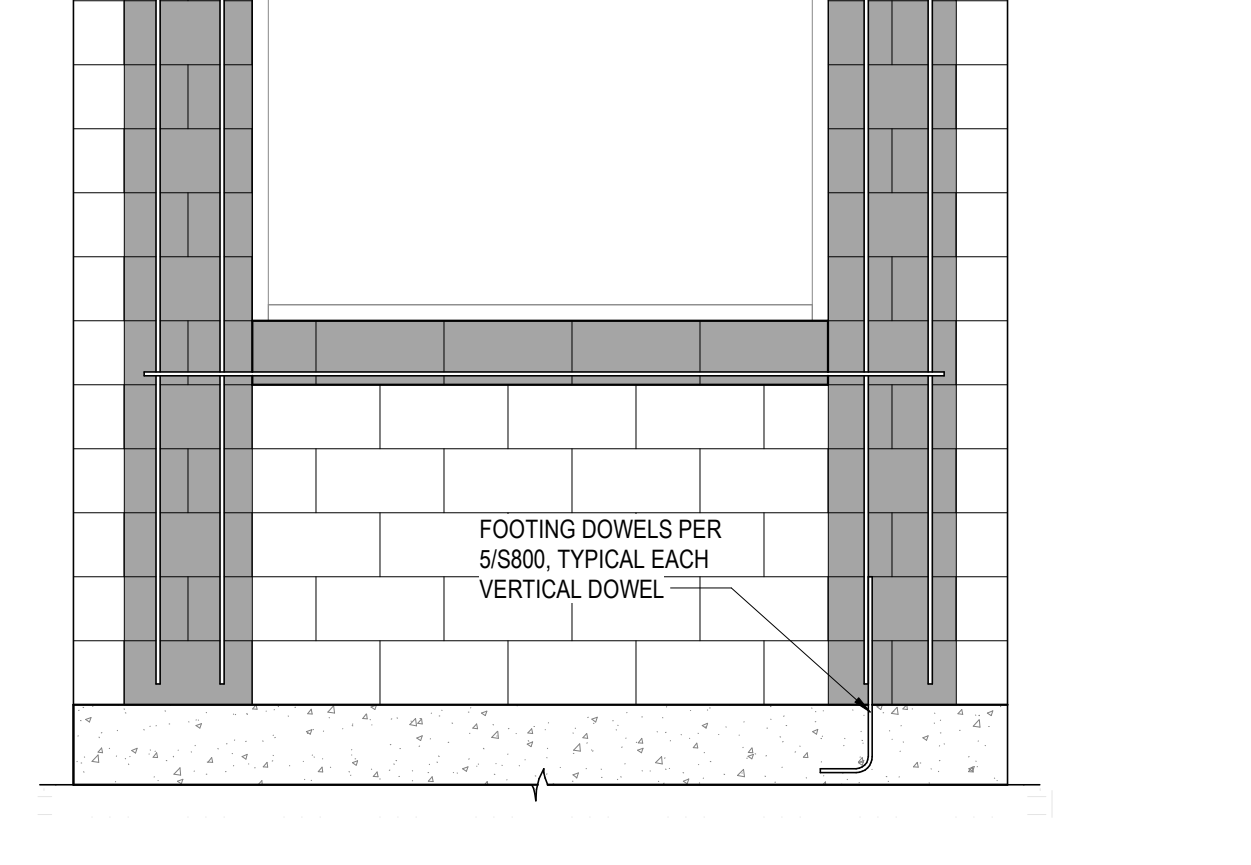
**SECTION**  
SCALE: 1" = 1'-0"



**SECTION**  
SCALE: 1" = 1'-0"



**SECTION**  
SCALE: 1" = 1'-0"



**SECTION**  
SCALE: 1" = 1'-0"





**HSR ASSOCIATES INC.**  
100 MILWAUKEE STREET  
LA CROSSE, WISCONSIN  
PHONE: 608.784.1830  
FAX: 608.782.5844  
www.hsrassociates.com

Consultant:

ABBOTSFORD SCHOOL DISTRICT

FEMA ADDITION

Project Title:  
Project Location:  
Sheet Title:

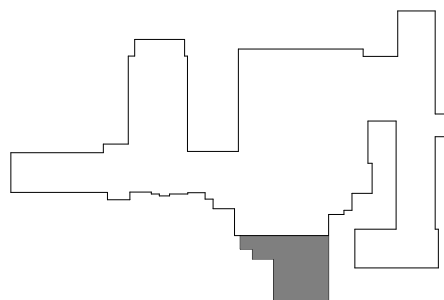
510 W HEIMLOCK ST.  
ABBOTSFORD, WI 54405

HSR Project Number:  
21027

Project Date:  
DECEMBER 2021

Drawn By:  
RGJ

Key Plan:



KEY PLAN

BID  
DOCUMENTS

Revisions:		
No.	Description	Date
A1	Addendum #1	12/22/2021

Graphic Scale:

Last Update:  
12/22/2021 1:41:48 PM

P001

## PLUMBING AND PIPING SYMBOLS

CW	-----	DOMESTIC COLD WATER
HW	-----	DOMESTIC HOT WATER
CHW	-----	DOMESTIC HOT WATER-CIRCULATING
G	-----	NATURAL GAS
LP	-----	PROPANE GAS
V	-----	SANITARY VENT*
SS	-----	SANITARY SEWER
SD	-----	STORM DRAINAGE
OSD	-----	STORM DRAINAGE-OVERFLOW



ITEM TO BE DEMOLISHED



POINT WHERE NEW CONNECTS TO EXISTING

## HOT WATER NOTE:

HOT WATER DISTRIBUTION PIPING MAXIMUM ALLOWABLE PIPE LENGTH FROM A HEAT SOURCE TO A PUBLIC LAVATORY OR OTHER FIXTURES AND APPLIANCES IS TO BE AS LISTED IN TABLE C404.5.1 OF THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC).

## PLUMBING SHEET INDEX

FP100	FIRE PROTECTION
P001	PLUMBING GENERAL NOTES
P100	UNDERFLOOR PLAN
P101	FLOOR PLAN
P200	DWV RISER DIAGRAMS AND DETAILS
P201	WATER RISER DIAGRAMS AND DETAILS
P202	STORM ISOMETRIC

## ABBREVIATIONS:

AFF	COMPRESSED AIR
AFG	ABOVE FINISHED FLOOR
BT	ABOVE FINISHED GRADE
BT	BATHTUB
CB	CATCH BASIN
CO	CLEANOUT
CS	COLD SOFT WATER
CW	COLD WATER
CWH	COLD WATER HARD
CWV	CLEAR WATER VENT
CWW	CLEAR WATER WASTE
DCV	DOUBLE DETECTOR CHECK VALVE
DI	DEIONIZED WATER
DSN	DOWNSPOUT NOZZLE
DW	DISHWASHER
E	EXISTING
EC	ELECTRICAL CONTRACTOR
ESEW	EMERGENCY SHOWER/EYEWASH
EW	ELECTRIC WATER COOLER
F	FIRE PROTECTION WATER SERVICE
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FFA	FROM FLOOR ABOVE
FFB	FROM FLOOR BELOW
FR	FIRE PROTECTION CONTRACTOR
G	NATURAL GAS
GC	GENERAL CONTRACTOR
HB	HOSE BIBB
HC	HVAC CONTRACTOR
HD	HUB DRAIN
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
HYD	WALL HYDRANT
IE	INVERT ELEVATION
L	LAVATORY
LT	LAUNDRY TUB
MB	MOP BASIN
MH	MANHOLE
NC	NEW CONNECTION
NPC	NON-POTABLE COLD WATER
NPCS	NON-POTABLE COLD SOFT WATER
NPH	NON-POTABLE HOT WATER
NPR	NON-POTABLE HOT RECIRCULATION
OST	STORM - OVERFLOW
PC	PLUMBING CONTRACTOR
PRV	PRESSURE REGULATING VALVE
RPBP	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
S	SINK
SAN	SANITARY
SH	SHOWER
SPR	SPRINKLER PIPING
ST	STORM - PRIMARY
T	TEMPERED WATER
TFA	TO FLOOR ABOVE
TFB	TO FLOOR BELOW
TMV	THERMOSTATIC MIXING VALVE
UR	URINAL
V	VENT
VTR	VENT THRU ROOF
W	DOMESTIC WATER SERVICE
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WF	WASH FOUNTAIN
WM	WASHING MACHINE WALL BOX
WHA	WATER HAMMER ARRESTER
WHR	WATER HEATER
WS	WATER SOFTENER
YCO	YARD CLEANOUT

## GENERAL PLUMBING NOTES:

- BUILDING SYSTEMS MUST REMAIN OPERATIONAL, UNLESS OTHERWISE PERMITTED BY OWNER. COORDINATE AS REQUIRED.
- PATCH ALL HOLES THROUGH FLOORS WITH NON-SHRINK GROUT.
- ALL WORK TO BE SCHEDULED AS DIRECTED BY OWNER. COORDINATE AS REQUIRED.
- PORTIONS OF THE BUILDING WILL BE CONTINUOUSLY OCCUPIED DURING THE CONSTRUCTION PERIOD. AVOID INTERFERENCE WITH BUILDING FUNCTION. COORDINATE TIMING OF CONSTRUCTION WORK WITH THE OWNER.
- THIS PLAN HAS BEEN PRODUCED UTILIZING THE EXISTING PLANS AND IS NOT INTENDED TO BE ALL-INCLUSIVE.
- VISIT THE BUILDING SITE AND BECOME THOROUGHLY FAMILIAR WITH ALL EXISTING CONDITIONS AFFECTING THE WORK.
- VERIFY ALL MEASUREMENTS, PIPE SIZES, PIPE LOCATIONS, ELEVATIONS, ETC. AT SITE.
- REVIEW, COORDINATE, AND SCHEDULE INSTALLATION OF WORK WITH OTHER TRADES.
- INSTALL ALL WORK SUBSTANTIALLY AS SHOWN ON THE DRAWINGS. DEVIATIONS FROM LOCATIONS OF PIPING INDICATED ON THE DRAWINGS MAY HAVE TO BE MADE AT AN ADDITIONAL COST TO THE OWNER IN ORDER TO CLEAR THE WORK OF THE OTHER TRADES. HOWEVER, ALL SUCH DEVIATIONS SHALL BE PREVIOUSLY APPROVED BY THE OWNERS REPRESENTATIVE.
- REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES, STRUCTURAL DIMENSIONS AND LAYOUT.
- IT IS THE INTENT OF THESE DRAWINGS THAT EACH AFFECTED SYSTEM BE COMPLETE, WORKING, TESTED, AND OPERATIONAL.
- CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID OPENING. THE ENGINEER RESERVES THE RIGHT TO FINAL DECISION.
- INCLUDE ALL PLUMBING RELATED CUTTING, PATCHING AND/OR REMOVAL AND REPLACEMENT OF EXISTING WALLS, FLOORS & CEILINGS UNLESS OTHERWISE INDICATED.
- ALL FIXTURE WATER SUPPLY FLOW RATES SHALL CONFORM TO SPS 384.20(3).
- DOMESTIC WATER PIPE SIZING SHALL CONFORM TO SPS 382.40(7), FRICTION LOSS METHOD AND MAXIMUM FLOW VELOCITY OF 8 FPS.
- BACKFLOW PROTECTION SHALL BE PROVIDED TO ALL FIXTURES, CONFORMING TO SPS 382.41(3).
- EACH FIXTURE SHALL BE VALVED, CONFORMING TO SPS 382.40(4)(b).
- TERMINATE WATER AND SANITARY LATERAL 5'-0" BEYOND EXTERIOR FACE OF FOUNDATION WALL. CONTINUATION SHALL BE UNDER A SEPARATE CONTRACT.
- UNLESS NOTED OTHERWISE ALL WASTE AND DRAIN PIPING 3" AND LARGER SHALL BE INSTALLED AT A SLOPE OF 1/8" PER FOOT AND WASTE AND DRAIN, PIPING 2" AND SMALLER AT 1/4" PER FOOT.
- FIXTURE VENTS SHALL CONNECT TO OTHER BRANCH VENTS A MINIMUM OF 3'-0" ABOVE THE FLOOR, CONFORMING TO SPS 382.31(15)(b)(3).
- THE INSTALLATION OF PVC DWV PIPING IN BUILDING SHALL CONFORM TO SPS 384.40(14), WHEN APPLICABLE.
- WASTE STACK BASE CONNECTIONS SHALL BE MADE USING LONG SWEEP FITTINGS.
- CLEANOUTS SHALL CONFORM TO SPS 382.35(6) TABLE 82.35.
- ALL WATER CLOSETS SHALL BE WATER CONSERVING TYPE, USING A MAXIMUM OF 1.6 GALLONS PER FLUSH CONFORMING TO SPS 384.20(3).
- ALL LINE VALVES WHICH SERVE TWO OR MORE PLUMBING FIXTURES SHALL HAVE A FLOW OPENING NOT LESS THAN ONE NOMINAL PIPE SIZE SMALLER THAN THE NOMINAL SIZE OF THE PIPING CONNECTING TO THE VALVE, CONFORMING TO SPS 384.30(10)(3).
- CUTTING, NOTCHING OR BORING OF METAL STUD WALL SYSTEM IS NOT PERMITTED UNLESS APPROVED BY THE MANUFACTURER AND THE STRUCTURAL INTEGRITY HAS NOT BEEN REDUCED TO UNACCEPTABLE LEVELS.
- WHEN PIPING PASSES THROUGH SMOKE SEPARATION ASSEMBLIES, DRAFT STOPPING, CONSISTING OF MINERAL WOOL OR FIBERGLASS INSULATION, SHALL BE PACKED AROUND PIPING PENETRATING FACE OF ASSEMBLY.
- PLASTIC PIPE MAY PENETRATE REQUIRED FIRE-RESISTIVE RATED FLOORS, WALLS, CEILINGS AND FIRE RATED ASSEMBLIES PROTECTED WITH AN APPROVED FIRE-STOP SYSTEM HAVING AN F-RATING NOT LESS THAN THE HOURLY RATING OF THE ASSEMBLY BEING PENETRATED. SEE SECTION 04-01.
- CORE DRILL OPENINGS IN EXISTING FLOOR/WALL, AS REQUIRED, SIZE OF OPENINGS SHALL NOT EXCEED 1" LARGER THAN THE O.D. OF THE PIPING PENETRATING THE ASSEMBLY. COORDINATE WITH DRAFT/FIRE STOPPING REQUIREMENTS.
- IDENTIFY PIPING LOCATED ABOVE CEILINGS PRIOR TO CEILING GRID INSTALLATION.

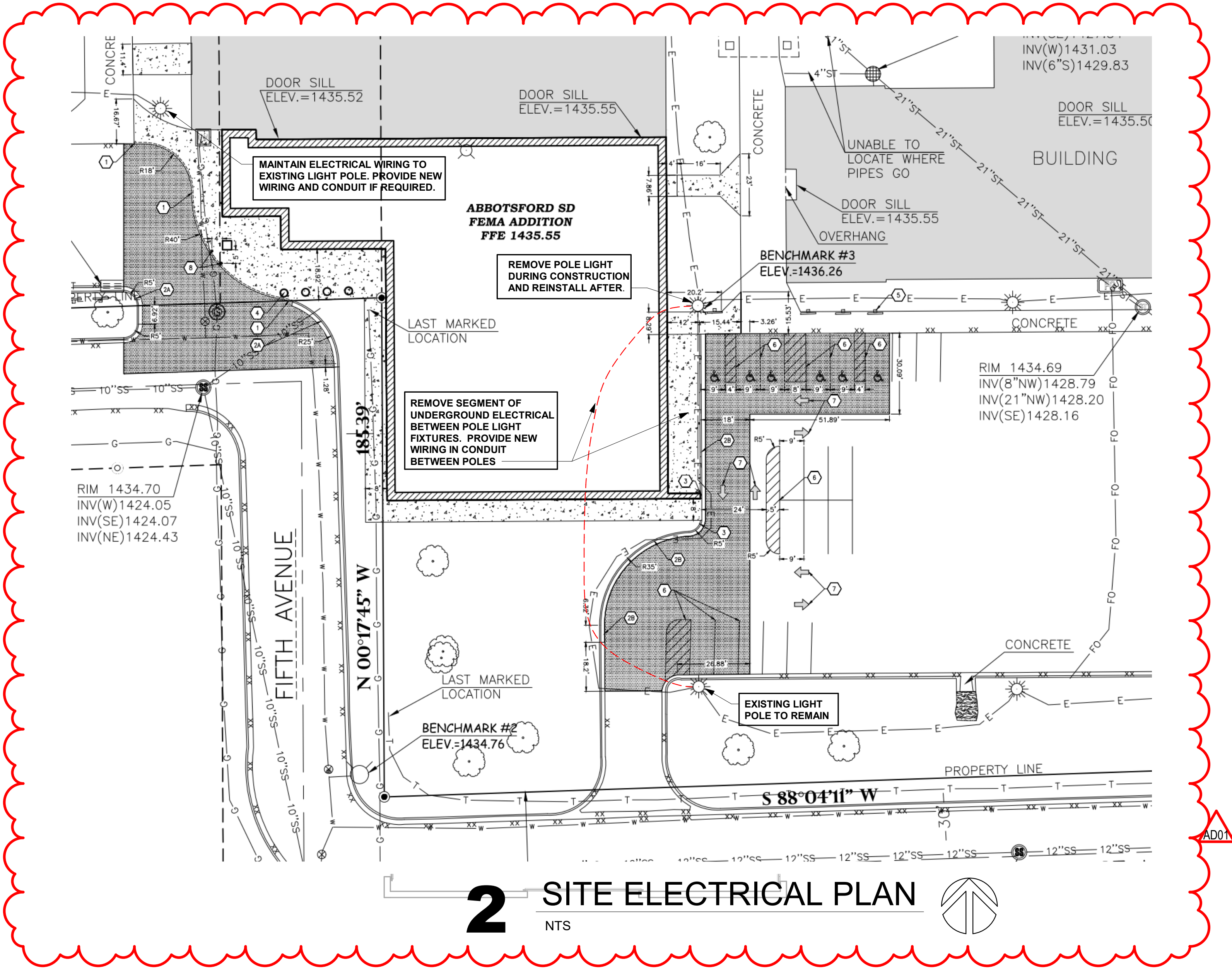
## PLUMBING FIXTURE SCHEDULE

FIXTURE SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	MATERIAL DESCRIPTION	TRIM		REMARKS
					MANUFACTURER	MODEL NO.	
EWC-1	ELECTRIC WATER COOLER	ELKAY	LZ3TL68WSSK	GALVANIZED STEEL			
HB-1	HOSE BIBB	JR SMITH	5572	STAINLESS STEEL			
HYD-1	EXTERIOR WALL HYDRANT	WOODFORD	65	STAINLESS STEEL			
L-1	LAVATORY - WALL HUNG - ADA	KOHLER BRENHAM	K-1997-1W/ SHROUD K-1998	WHITE VITREOUS CHINA	SLOAN	SF2400	MOUNT AT 31" AFF JUVENILE HEIGHT IN ROOMS F106 AND F107. MOUNT AT STANDARD ADA HEIGHT IN ROOM F104.
LT-1	UTILITY SINK	MUSTEE	18F	MOLDED STONE	ELKAY	LK2000CR	
MB-1	JANITOR SINK	MUSTEE	63M	MOLDED STONE	CHICAGO FAUCET CO	C897CP	
S-1	SINK - SINGLE	ELKAY	DRKAD222055C	STAINLESS STEEL	ELKAY	LK1000	
S-2	HAND SINK	ELKAY	LRAD191855-MR2 W/ LK99 BASKET STRAINER	STAINLESS STEEL	DELTA	K-710LF-HD	
S-3	WASH FOUNTAIN	BRADLEY	FL-3L	STAINLESS STEEL			
UR-1	URINAL	KOHLER BRENHAM	K-4920-T-0	WHITE VITREOUS CHINA	SLOAN	186 ESS-0.128	MOUNT AT 31" AFF JUVENILE HEIGHT
WC-1	WATER CLOSET - WALL HUNG	KOHLER BRENHAM	K-84325-0	WHITE VITREOUS CHINA	SLOAN	111 ESS-1.28	
WC-1A	WATER CLOSET - WALL HUNG	KOHLER BRENHAM	K-84325-0	WHITE VITREOUS CHINA	SLOAN	111 ESS-1.28	MOUNT AT ADA HEIGHT
WC-2	WATER CLOSET - FLOOR MOUNT - FLUSH VALVE	KOHLER BRENHAM	K-4920-T-0	WHITE VITREOUS CHINA	SLOAN	111 ESS-1.28	

## FIXTURE UNIT SUMMARY

FIXTURE SYMBOL	FIXTURE DESCRIPTION	COUNT	PIPE SIZE					FIXTURE UNITS		
			WASTE	VENT	CW	HW	DFU	CWUFU	HWUFU	
EWC-1	ELECTRIC WATER COOLER	1	2"	1 1/2"	1/2"			0.5	0.25	0
FD-1	FLOOR DRAIN - ROUND	4	3"	2"				12	0	0
FD-2	FLOOR DRAIN - SQUARE	3	3"	2"				9	0	0
HB-1	HOSE BIBB	3		1/2"				0	9	0
HYD-1	EXTERIOR WALL HYDRANT	7		3/4"				0	28	0
L-1	LAVATORY - WALL HUNG - ADA	3	2"	1 1/2"	1/2"	1/2"	3	1.5	1.5	
LT-1	UTILITY SINK	1	2"	1 1/2"	1/2"	1/2"	1	1	1	
MB-1	JANITOR SINK	1	3"	2"	3/4"	3/4"	4	2.25	2.25	
ORD-1	OVERFLOW ROOF DRAIN	8						0	0	0
RD-1	PRIMARY ROOF DRAIN	10	4"					0	0	0
S-1	SINK - SINGLE	4	2"	1 1/2"	1/2"	1/2"	4	4	4	
S-2	HAND SINK	4	2"	1 1/2"	1/2"	1/2"	4	4	4	
S-3	WASH FOUNTAIN	1	2"	1 1/2"	1/2"	1/2"	1	1	1	
UR-1	URINAL	2	2"	1 1/2"	3/4"		4	8	0	
WC-1	WATER CLOSET - WALL HUNG	3	4"	2"	1"		18	19.5	0	
WC-1A	WATER CLOSET - WALL HUNG	2	4"	2"	1"		12	13	0	
WC-2	WATER CLOSET - FLOOR MOUNT - FLUSH VALVE	2	4"	2"	1"		12	13	0	
Grand total: 58							84.5	104.5	13.75	





ELECTRICAL SYMBOLS		
	LIGHTING FIXTURE - WALL BRACKET *	DISCONNECT SWITCH
	LIGHTING FIXTURE DOWNLIGHT - SURFACE TYPE *	MOTOR STARTER
	LIGHTING FIXTURE DOWNLIGHT - RECESSED *	MOTOR CONNECTION
	LIGHTING FIXTURE(S) - EMERGENCY BATTERY	EQUIPMENT CONNECTION
	LIGHTING FIXTURE - SURFACE TYPE *	PANELBOARD, TERMINAL CABINET
	LIGHTING FIXTURE (2'x2') - RECESSED *	TELEPHONE **
	LIGHTING FIXTURE (2'x2') - EMERGENCY BATTERY	COMBINATION VOICE/DATA OUTLET **
	LIGHTING FIXTURE (2'x4') - SURFACE TYPE *	COMPUTER DATA OUTLET **
	LIGHTING FIXTURE (2'x4') - RECESSED *	FIRE ALARM MANUAL STATION
	LIGHTING FIXTURE (2'x4') - EMERGENCY BATTERY	FIRE ALARM SPEAKER/STROBE
	LIGHTING FIXTURE - OPEN STRIP *	FIRE ALARM STROBE UNIT ONLY
	EXIT SIGN	SMOKE DETECTOR
	ROOM CONTROLLER - LIGHTING	SMOKE DUCT DETECTOR
	DIMMABLE LIGHTING CONTROL RELAY	HEAT DETECTOR
	OCCUPANCY SENSOR *	FIRE DOOR
	VACANCY SENSOR *	CLOCK
	DAYLIGHT CONTROL	SPEAKER *
	SWITCH - SINGLE POLE 3 - 3-WAY SWITCH 4 - 4-WAY SWITCH	VOLUME CONTROL
	OS - WALL SWITCH OCCUPANCY SENSOR*	CALL-IN SWITCH
	VS - WALL SWITCH VACANCY SENSOR*	MICROPHONE
	D - DIMMER*	AUXILIARY INPUT
	STANDARD SINGLE RECEPTACLE *	
	STANDARD DUPLEX RECEPTACLE *	
	*GFI* GROUND FAULT INTERRUPTING	
	*WP* WEATHERPROOF COVER	
	*WR* WEATHER RESISTANT	
	*USB* USB CHARGING	
	DOUBLE DUPLEX RECEPTACLE *	
* TYPE AS INDICATED WITH LETTER/NUMBER, REFER TO SPECIFICATIONS OR SCHEDULES.		
** QUANTITIES OF CABLE DROPS AS INDICATED WITH NUMBER, REFER TO DRAWINGS. HEIGHTS AND LOCATIONS AS INDICATED ON DRAWINGS.		
*** NUMBER REFERS TO LOW VOLTAGE LIGHTING RELAY.		

GENERAL NOTES : REMOVAL	
A	REMOVE ALL ELECTRICAL DEVICES AND ABANDON WIRING/CONDUIT BACK TO ELECTRICAL PANEL, CABINET, RACK OR TERMINATION BOARD.
B	ELECTRICAL CONTRACTOR TO FIELD VERIFY WALLS AND CEILINGS AND INCLUDE ALL DEVICES FOR REMOVAL.
C	MAINTAIN OPERATION OF ALL EXISTING RECEPTACLES AND DEVICES TO REMAIN. PROVIDE NEW HOMERUNS OF CONDUIT/WIRING WHERE REQUIRED.
D	PROVIDE COVERPLATES AT ALL OPEN DEVICE AND JUNCTION BOXES.
E	REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EQUIPMENT TO BE DISCONNECTED FOR REMOVAL.
F	DASHED LINES SPECIFIC ITEMS FOR REMOVAL.
REMOVE ALL ELECTRICAL ITEMS IN HATCHED AREAS. SOME LIGHTING AND RECEPTACLES ARE SHOWN FOR REFERENCE ONLY. INCLUDE ALL LIGHTING, RECEPTACLES AND OTHER ELECTRICAL EQUIPMENT, DEVICES NOT SHOWN.	

KEY NOTES REMOVAL	
1	ELECTRICAL CONTRACTOR SHALL REMOVE EXISTING CCTV SECURITY CAMERA AND GIVE TO OWNER.
2	E/C SHALL REMOVE AND RELOCATE EXISTING FLUSH SPEAKER. SEE 1E100 FOR NEW LOCATION.





HSR ASSOCIATES INC.  
100 MILWAUKEE STREET  
LA CROSSE, WISCONSIN  
PHONE: 608.784.1830  
FAX: 608.782.5844  
www.hsrassociates.com

Consultant:

#### GENERAL NOTES : REMODEL

- ALL ELECTRICAL DEVICES SHOWN TO BE NEW UNLESS INDICATED OTHERWISE.
- MAINTAIN OPERATION OF ALL EXISTING ELECTRICAL DEVICES. EXTEND WIRING/CONDUIT AS REQUIRED.
- PROVIDE GROUND CONDUCTOR IN ALL RACEWAYS
- PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR EACH BRANCH CIRCUIT.
- PROVIDE FIRE STOPPING AND SMOKE DRAFT STOPPING AT ALL CONDUIT PENETRATIONS. REFER TO SPECIFICATIONS SECTION 07840 FOR FIRE RESISTIVE AND NON-FIRE RESISTIVE ASSEMBLIES.

#### SPECIFIC NOTES : POWER

- REFER TO DETAIL 5/E601 FOR CONDUIT ROUGH IN'S, AND SPECIFICATIONS SECTION 28 13 00 - ACCESS CONTROL FOR ASSOCIATED WORK.
- RELOCATED EXTERIOR SPEAKER. PROVIDE NEW BACKBOX, NEW WIRING AND CONDUIT TO EXISTING PAGING ZONE.
- PROVIDE 1" CONDUIT FROM EACH AUXILIARY OUTLET AND EACH MICROPHONE OUTLET TO GYM SOUND SYSTEM RACK.
- REFER TO DETAIL 7/E601 - GYM CONTROL PANEL, FOR ELECTRICAL REQUIREMENTS.
- REFER TO DETAIL 8/E601 - SCOREBOARD DETAIL FOR ELECTRICAL REQUIREMENTS.
- PROVIDE 1/4" X 1/2" CU GROUND BAR. BOND TO WATER SERVICE GROUND. PROVIDE #6 GROUND CONDUCTOR TO SOUND RACK AND DATA RACK.
- PROVIDE #6 GROUND WIRE TO DATA RACK IN MEZZANINE, MECH ROOM F203, REFER TO SHEET E101 FOR LOCATION.
- 6 STRAND FIBER OPTIC CABLE TO DATA RACK IN MEZZANINE, MECH ROOM F203, REFER TO SHEET E101 FOR LOCATION.
- CAMERAS TO BE PROVIDED BY THE OWNER. ELECTRICAL TO INSTALL CAMERAS AND AIM TO OWNERS PREFERENCE. PROVIDE RACEWAYS AND CABLEING.
- PROVIDE DOOR CONTACTS WITH WIRING AND RACEWAY BACK TO DOOR ACCESS PANEL.
- PROVIDE EMPTY BOX NEAR PROJECTOR WITH INTERCONNECTING 1 1/4" CONDUIT FOR FUTURE WIRING/HDMI CABLES.
- REFER TO DETAIL 6/E101 FOR REQUIRED WIRING.
- ELECTRICAL TO PROVIDE AND WIRE BOILER SHUT OFF SWITCH.

Project Title: ABBOTSFORD SCHOOL DISTRICT  
FEMA ADDITION

Project Location: 510 WEST HEMLOCK STREET  
ABBOTSFORD, WISCONSIN

Sheet Title: FIRST FLOOR POWER PLAN

HSR Project Number: 21027

Project Date: DECEMBER, 2021

Drawn By: SMG

Key Plan:

BID DOCUMENTS

No.	Description	Date
AD01	Addendum #1	12/22/2021

Graphic Scale: VARIES

Last Update: 12/22/2021 2:11:38 PM

E100

2

## FIRST FLOOR POWER PLAN - CONTINUED

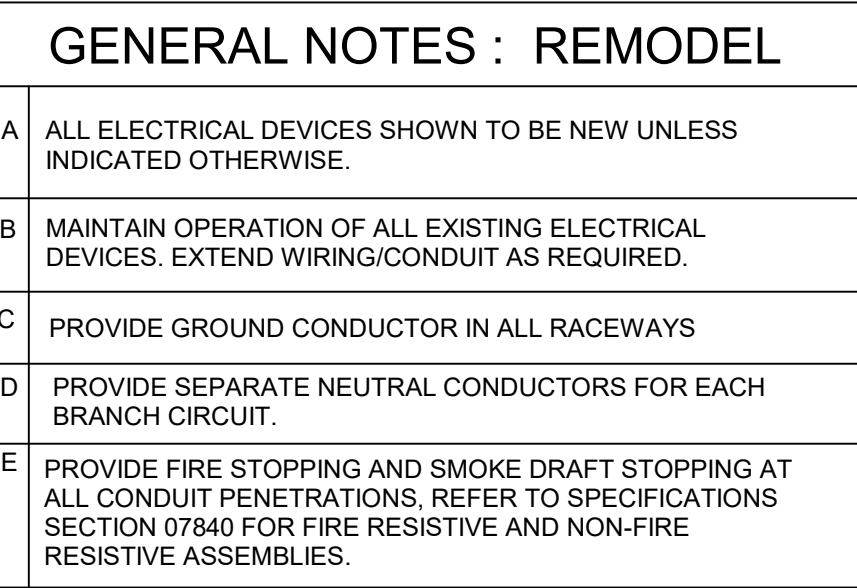
1/8" = 1'-0"


1

## FIRST FLOOR POWER PLAN - Dependent 1

1/8" = 1'-0"





SPECIFIC NOTES : LIGHTING	
	MOUNT WALL PACK LIGHTING FIXTURE TYPE 'W' AT 12'-0" AFF.
2.	BUILDING WALL PAK LIGHTING CONTROL VIA R1-LCP-5 (NEW RELAY PANEL) WHICH IS LOCATED IN MECHANICAL ROOM F115.
3.	CANOPY LIGHTING CONTROL VIA R2-LCP-6 (NEW RELAY PANEL) WHICH IS LOCATED IN MECHANICAL ROOM F115. TYPICAL OF 6.
4.	ELECTRICAL CONTRACTOR TO CABLE HANG STRIP LIGHTING 'FIXTURE 9'-0" AFF. ARRANGE LIGHTING TO BE CLEAR OF ANY HVAC DUCTWORK AND PIPING. PROVIDE ALL NEEDED MOUNTING HARDWARE AND AIRCRAFT CABLE.
	SWITCH LEG CONTROL FOR STAIRWELL AND MECHANICAL MEZZANINE F201.
6.	PROVIDE ELCU, SEE "E601 FOR EMERGENCY LIGHTING CONTROL UNIT DETAIL. ELCU SHALL CONTROL GYMNASIUM EMERGENCY EGRESS LIGHTS IN F115, F116, AND F201.
7.	PROVIDE ELCU, SEE "E601 FOR EMERGENCY LIGHTING CONTROL UNIT DETAIL. ELCU SHALL CONTROL GYMNASIUM EMERGENCY EGRESS LIGHTS SWITCH LEGS 'I' AND 'm'.
8.	PROVIDE ELCU, SEE "E601 FOR EMERGENCY LIGHTING CONTROL UNIT DETAIL. ELCU SHALL CONTROL GYMNASIUM EMERGENCY EGRESS LIGHTS SWITCH LEGS 'n' AND 'o'.

Consultant:

Project Title: **ABBOTSFORD SCHOOL DISTRICT**

## FEMA ADDITION

Project Location: **510 WEST HEMLOCK STREET  
ABBOTSFORD, WISCONSIN**

Sheet Title: **FIRST FLOOR LIGHTING PLAN**

HSR Project Number: 21027

Project Date: **DECEMBER, 2021**


Drawn By: **SMG**

**Key Plan:**

BID DOCUMENTS

Revisions:		
No.	Description	Date
AD01	Addednum #1	12/22/2021

Graphic Scale:



A horizontal scale bar with alternating black and white segments. Below the bar are markings for 0', 2', 4', 8', and 12'.

Last Update:  
**12/22/2021 2:11:39 PM**

# E200

# 1 FIRST FLOOR LIGHTING PLAN



GENERAL NOTES : REMODEL	
A	ALL ELECTRICAL DEVICES SHOWN TO BE NEW UNLESS INDICATED OTHERWISE.
B	MAINTAIN OPERATION OF ALL EXISTING ELECTRICAL DEVICES. EXTEND WIRING/CONDUIT AS REQUIRED.
C	PROVIDE GROUND CONDUCTOR IN ALL RACEWAYS
D	PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR EACH BRANCH CIRCUIT.
E	PROVIDE FIRE STOPPING AND SMOKE DRAFT STOPPING AT ALL CONDUIT PENETRATIONS. REFER TO SPECIFICATIONS SECTION 07840 FOR FIRE RESISTIVE AND NON-FIRE RESISTIVE ASSEMBLIES.

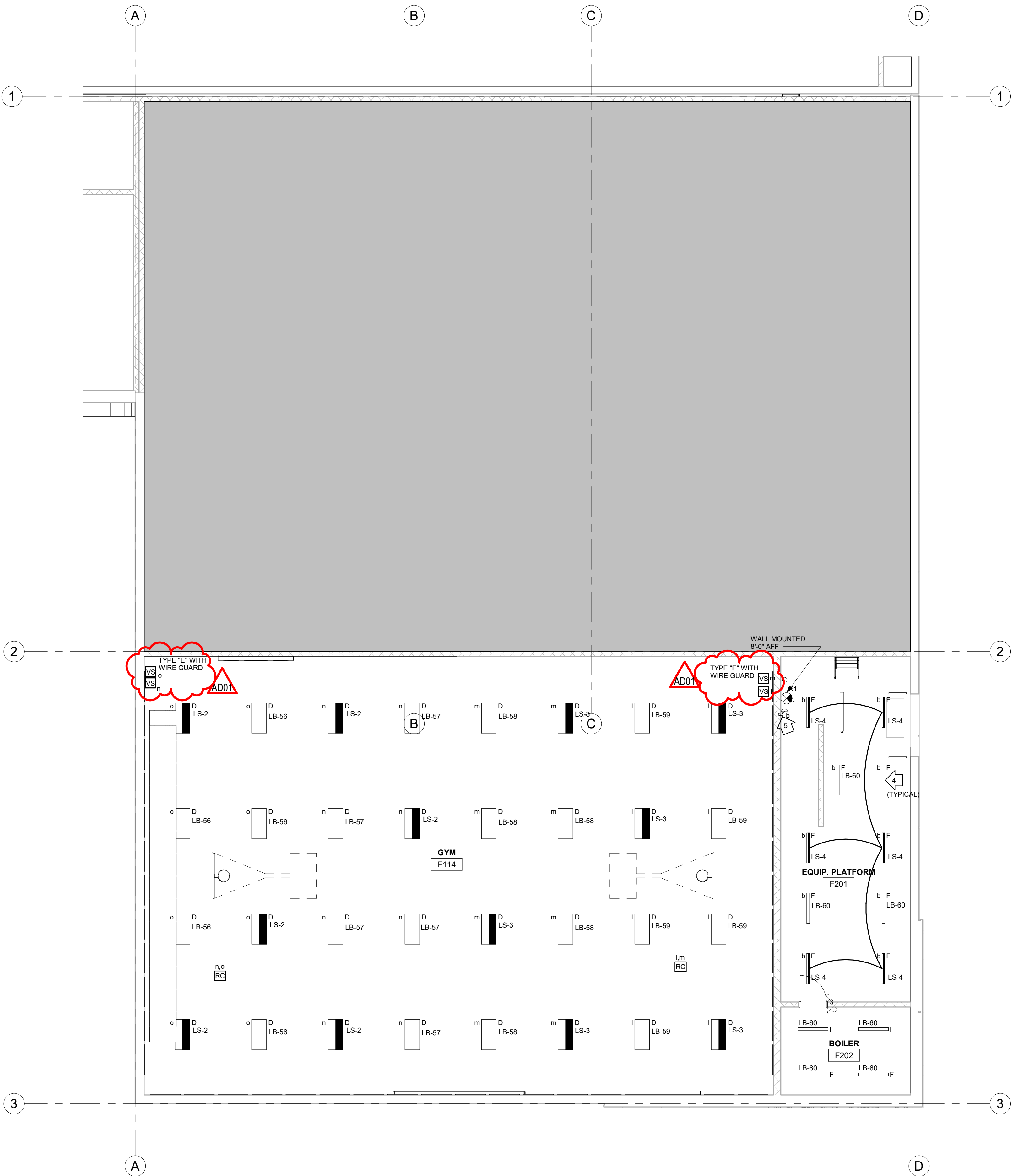
ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN



HSR ASSOCIATES INC.  
100 MILWAUKEE STREET  
LA CROSSE, WISCONSIN  
PHONE: 608.784.1830  
FAX: 608.782.5844  
www.hsrassociates.com

Consultant:

SPECIFIC NOTES : LIGHTING	
1	MOUNT WALL PACK LIGHTING FIXTURE TYPE 'W' AT 12'-0" AFF.
2.	BUILDING WALL PAK LIGHTING CONTROL VIA R1-LCP-5 (NEW RELAY PANEL) WHICH IS LOCATED IN MECHANICAL ROOM F115.
3.	CANOPY LIGHTING CONTROL VIA R2-LCP-5 (NEW RELAY PANEL) WHICH IS LOCATED IN MECHANICAL ROOM F115. TYPICAL OF 6.
4.	ELECTRICAL CONTRACTOR TO CABLE HANG STRIP LIGHTING FIXTURE 9'-0" AFF. ARRANGE LIGHTING TO BE CLEAR OF ANY HVAC DUCTWORK AND PIPING. PROVIDE ALL NEEDED MOUNTING HARDWARE AND AIRCRAFT CABLE.
5.	SWITCH LEG CONTROL FOR STAIRWELL AND MECHANICAL MEZZANINE F201.
6.	PROVIDE ELCU. SEE 'E601 FOR EMERGENCY LIGHTING CONTROL UNIT DETAIL. ELCU SHALL CONTROL EMERGENCY EGRESS LIGHTS IN F115, F116, AND F201.
7.	PROVIDE ELCU. SEE 'E601 FOR EMERGENCY LIGHTING CONTROL UNIT DETAIL. ELCU SHALL CONTROL GYMNASIUM EMERGENCY EGRESS LIGHTS SWITCH LEGS 't' and 'm'.
8.	PROVIDE ELCU. SEE 'E601 FOR EMERGENCY LIGHTING CONTROL UNIT DETAIL. ELCU SHALL CONTROL GYMNASIUM EMERGENCY EGRESS LIGHTS SWITCH LEGS 'n' and 'o'.



1 MEZZANINE LIGHTING PLAN  
1/8" = 1'-0"

ABBOTSFORD SCHOOL DISTRICT  
FEMA ADDITION  
510 WEST HEMLOCK STREET  
ABBOTSFORD, WISCONSIN  
MEZZANINE LIGHTING PLAN

Project Title:  
HSR Project Number:  
21027  
Project Date:  
DECEMBER, 2021  
Drawn By:  
SMG

Key Plan:

BID DOCUMENTS

Revisions:		
No.	Description	Date
AD01	Addendum #1	12/22/2021

Graphic Scale:  
0' 2' 4' 8' 12'

Last Update:  
12/22/2021 2:11:40 PM

E201








EQUIPMENT SCHEDULE										.7 FLA
MARK NUMBER ▲	DESCRIPTION	LOCATION ROOM NUMBER	RATING				WIRING SIZE		REMARKS	
			KW	HP	VOLT	PH	CONDUCTORS	GRD.		
B-1	BOILER	BOILER ROOM F202	5 FLA		120	1	2 #12	#12	1,4	
B-2	BOILER	BOILER ROOM F202	5 FLA		120	1	2 #12	#12	1,4	
DF-1	DESTRATIFICATION FAN	F114	.7 FLA		120	1	2 #12	#12	1,2	
DF-2	DESTRATIFICATION FAN	F114	.7 FLA		120	1	2 #12	#12	1,2	
DF-3	DESTRATIFICATION FAN	F114	.7 FLA		120	1	2 #12	#12	1,2	
DF-4	DESTRATIFICATION FAN	F114	.7 FLA		120	1	2 #12	#12	1,2	
DF-5	DESTRATIFICATION FAN	F114	.7 FLA		120	1	2 #12	#12	1,2	
DF-6	DESTRATIFICATION FAN	F114	.7 FLA		120	1	2 #12	#12	1,2	
FV	FLUSH VALVE	SEE DRAWINGS	20 WATTS		120	1	2 #12	#12	5	
TCP-1	TEMPERATURE CONTROL PANEL	BOILER ROOM F202	50 WATTS		120	1	2 #12	#12	1	
TCP-2	TEMPERATURE CONTROL PANEL	EQUIP. PLATFORM F201	50 WATTS		120	1	2 #12	#12	1	
TCP-3	TEMPERATURE CONTROL PANEL	STOARAGE F103	50 WATTS		120	1	2 #12	#12	1	
TCP-4	TEMPERATURE CONTROL PANEL	STORAGE F111	50 WATTS		120	1	2 #12	#12	1	
TCP-5	TEMPERATURE CONTROL PANEL	GENERATOR F116	50 WATTS		120	1	2 #12	#12	1	
UH-1	UNIT HEATER	EQUIP. PLATFORM F201	25 WATTS		120	1	2 #12	#12	1	
UH-2	UNIT HEATER	BOILER ROOM F202	25 WATTS		120	1	2 #12	#12	1	
UH-3	UNIT HEATER	MECH. F115	25 WATTS		120	1	2 #12	#12	1	
UH-4	UNIT HEATER	STORAGE F111	25 WATTS		120	1	2 #12	#12	1	
UH-5	UNIT HEATER	GENERATOR F116	25 WATTS		120	1	2 #12	#12	1	
CP-1	WATER HEATER - CIRC. PUMP	MECH. F115	25 WATTS		120	1	2 #12	#12	1	
PS	POWERED SHUTTERS	SEE DRAWINGS	1/2 HP		120	1	2 #12	#12	6	
PS	POWERED SHUTTERS	SEE DRAWINGS	1/2 HP		120	1	2 #12	#12	6	
WF	WASH FOUNTAIN	COMMONS F109	50 WATTS		120	1	2 #12	#12	7	
SS-1	MIN-SPLIT UNIT	MECH. F115	1 FLA		208	1	2 #10	#10	3	
CU-SS1	MINI SPLIT CONDENSING UNIT	EXTERIOR/F115.	18 FLA		208	1	2 #10	#10	3	
* SEE REMARKS: MCA - MINIMUM CIRCUIT AMPACITY; FLA - FULL LOAD AMPS; MOP - MAXIMUM OVERCURRENT PROTECTION.										
REMARKS										
1. PROVIDE TOGGLE SWITCH NEAR UNIT TO SERVE AS DISCONNECT. 2. DESTRATIFICATION FANS ARE FURNISHED BY MECHANICAL AND INSTALLED BY ELECTRICAL. ELECTRICAL TO INSTALL SPEED CONTROLLER FURNISHED WITH FANS. 3. PROVIDE INTERCONNECTING WIRING BETWEEN INDOOR UNIT AND EXTERIOR CONDENSER. INCLUDE CONTROL WIRE (600 VOLT INSULATION RATING) . PROVIDE NEMA 3R FUSED SAFETY SWITCH AT EXTERIOR UNIT AND TOGGLE SWITCH AT INTERIOR UNIT FOR DISCONNECTS. 4. PROVIDE LOCK-OUT TABS ON TOGGLE SWITCH. 5. ELECTRICAL CONTRACTOR TO PROVIDE RACEWAYS AND LOW VOLTAGE WIRING TO URNIALS AND TOILET FLUSH VALVES. INSTALL LOW VOLTAGE TRANSFORMER FURNISHED BY THE PLUMBING CONTRACTOR. 6. ELECTRICAL CONTRACTOR TO PROVIDE RACEWAYS AND LOW VOLTAGE WIRING TO LIMIT SWITCHES AND SENSORS. VERIFY WIRING REQUIREMENTS WITH MANUFACTURER. INSTALL OPERATING SWITCHES OR CONTROL PANELS FURNISHED WITH WINDOW SHUTTERS. 7. INSTALL TRANSFORMER AND LOW VOLTAGE WIRING FURNISHED WITH WASH FOUNTAIN.										

LOW VOLTAGE LIGHTING RELAY SHEDULE			
PANEL LCP-5, MECH F115			
RELAY NUMBER	ROOM NUMBER(S) SERVED	LAMPS CONTROLLED	REMARKS
R1	EXTERIOR BUILDING WALL PAKS	TYPE "W" FIXTURES	1
R2	ENTRY CANOPY	TYPE "H" FIXTURES	1
R3	COMMONS B116	TYPE "B" FIXTURES ON LIFE SAFETY CIRCUIT	2
R4	COMMONS B116	TYPE "B" FIXTURES	2
R5	ENTRY F101, HALLWAY F105	TYPE "H" AND "B" FIXTURES ON LIFE SAFETY	2
R6	ENTRY F101, HALLWAY F105	TYPE "H" AND "B" FIXTURES ON LIFE SAFETY	2
R7	COMMONS 109	TYPE "C" FIXTURES ON LIFE SAFETY	2,3
R8	COMMONS 109	TYPE "C" FIXTURES ON LIFE SAFETY	2,3
R9	SPARE	SPARE	
R10	SPARE	SPARE	
REMARKS: 1. CONTROL BY PHOTO ON / TIME CLOCK OFF. 2. RELAYS MAYBE CONTROLLED FROM MULTIPLE SWITCH LOCATIONS, REFER TO DRAWINGS FOR LOCATIONS AND QUANTITIES. 3. PROVIDE WITH DIMMING.			

MOTOR SCHEDULE															
MOTOR 	DESCRIPTION	HVAC/PLBG. EQUIP. NO.	LOCATION ROOM NO.	MOTOR RATING			DISCONNECT BY		STARTER BY		CONTROL WIRING BY		WIRING SIZE		REMARKS
				HP	VOLT	PH	MECHELEC.	TYPE ***	MECHELEC.	TYPE ***	MECHELEC.	COND.	GRD.		
	AIR COOLED CONDENSING UNIT	CU-1	ROOF F201	102 MCA	480	3		X	F	X		staged	X	see riser diagram	1
	AIR COOLED CONDENSING UNIT	CU-2	COMMONS B116	10 MCA	480	3		X	F	X		staged	X	3 #10 #10	2
	AIR COOLED CONDENSING UNIT	CU-3	COMMONS B116	10 MCA	480	3		X	F	X		staged	X	3 #10 #10	2
	AIR COOLED CONDENSING UNIT	CU-4	COMMONS B116	10 MCA	480	3		X	F	X		staged	X	3 #10 #10	2
	AIR HANDLING UNIT	AHU-1	EQUIP. PLATFORM F201	96 MCA	208	3	X		VFD	X		VFD	X	3 #2 #6	3
	BOILER CIRCULATING PUMP	BCP-1	BOILER F202	.6 HP	120	1		X	TG	X		ECM	X	2 #12 #12	
	BOILER CIRCULATING PUMP	BCP-2	BOILER F202	.6 HP	120	1		X	TG	X		ECM	X	2 #12 #12	
	HOT WATER PUMP	HWP-1	BOILER F202	7.5	208	3	X		VFD	X		VFD	X	3 #10 #10	3
	HOT WATER PUMP	HWP-2	BOILER F202	7.5	480	3	X		VFD	X		VFD	X	3 #10 #10	3
	ROOF EXHAUST FAN	RF1	STORAGE F111	5	480	3	X		VFD	X		VFD	X	3 #12 #12	3
	EXHAUST FAN	EF-1	STORAGE F103	1/2 HP	120	1		X	TG	X		X		2 #12 #12	
	UNIT VENTILATOR	CUV-1	COMM. RM. F102	7 MCA	480	3		X	F	X		VFD	X	2 #12 #12	4
	UNIT VENTILATOR	CUV-2	COMM. RM. F102	7 MCA	480	3		X	F	X		VFD	X	2 #12 #12	4
	UNIT VENTILATOR	CUV-3	COMMONS B116	7 MCA	480	3		X	F	X		VFD	X	2 #12 #12	4
	HOT WATER CIRC. PUMP	HCP-1	EQUIP. PLATFORM F201	.6 HP	120	1		X	TG	X		EMC	X	2 #12 #12	
SEE REMARKS *** (CB) CIRCUIT BREAKER; (CS) COMBINATION STARTER/DISCONNECT; (F) FUSED SAFETY SWITCH; (NF) NON FUSED SAFETY SWITCH; (TG) TOGGLE SWITCH/(VNR) FULL VOLTAGE NON-REVERSING MAGNETIC STARTER; (FVR) FULL VOLTAGE REVERSING MAGNETIC STARTER; (MS) MANUAL STARTER-WITH OVERLOAD PROTECTION; (MSW) MANUAL SWITCH-WITHOUT OVERLOAD PROTECTION; (MCC) MOTOR CONTROL CENTER; (PB) PUSH BUTTON STARTER; (VFD) VARIABLE FREQUENCY DRIVE; (MCA) MINIMUM CIRCUIT AMPS; (MOP) MAXIMUM OVER CURRENT PROTECTION; (EMC) ELECTRICALLY COMMUTATED MOTOR.															
REMARKS 1. PROVIDE 200 AMP. NEMA 3R FUSIBLE SAFETY SWITCH. FUSE AT MANUFACTURERS RECOMMENDATIONS. 2. PROVIDE 30 AMP. NEMA 3R FUSIBLE SAFETY SWITCH. FUSE AT MANUFACTURERS RECOMMENDATIONS. 3. VFD UNITS ARE FURNISHED BY THE MECHANICAL CONTRACTOR. ELECTRICAL TO INSTALL AND WIRE VFD'S. 4. FUSE AT MANUFACTURES RECOMMENDATIONS.															

LIGHT FIXTURE SCHEDULE												
TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	VOLT	MOUNTING **				WATTS	COLOR TEMP.	REMARKS	
					F	S	P	O				
A	DAYBRITE	2FZP38L840-4-DS-UNV-DIM	2'X4' LED FLAT PANEL 3800 LU	UNIV.	*				29	4000K	1	
B	DAYBRITE	2FZP30L840-4-DS-UNV-DIM	2'X4' LED FLAT PANEL 3000 LU	UNIV.	*				23	4000K	2	
C	DAYBRITE	2FZP20L840-2-DS-UNV-DIM	2'X2' LED FLAT PANEL 2000 LU	UNIV.	*				16	4000K	3	
D	DAYBRITE	FBY24L840-UNV-LFA / FBY-WG / HCH5-VH00K	LED HIGH BAY / 24000 LUMENS	UNIV.			*		175	4000K	4	
F	DAYBRITE	FSS4-40L840-UNV	4' SEALED STRIP LED	UNIV.		*			32	4000K	5	
G16	CORELITE	HGL-S-FR-30L840-1D-UNV-STD-S-SU-16	SURFACE MOUNT LED LINEAR	UNIV.		*			92	4000K	6	
H	HALO	HC410D016-HM412840-41MDC	4" RECESSED LED CAN	UNIV.	*				11	4000K	7	
J	DEL TORO	004P-72-LED-BS-WA/OAH 24"	6'-0" DIA. DECORATIVE LED	UNIV.			*		75	4000K	8	
S	DAYBRITE	FSX440840 /DIM	LED STRIP LIGHT	UNIV.		*			32	4000K	12	
W	HUBBELL OUTDOOR LIGHTING	QSP2-24L-50-4K7-2-UNV-DB	EXTERIOR LED BUILDING WALL PAK	UNIV.		*			50	4000K	9	
X1	EMERGH-LITE	ELX-RN-AD	SINGLE FACE LED EXIT LIGHT	UNIV.		*			4	N/A	10	
X2	EMERGH-LITE	ELX-RN-AD	DOUBLE FACE LED EXIT LIGHT	UNIV.		*			4	N/A	11	
* SEE REMARKS ** (F) FLUSH MOUNT; (S) SURFACE MOUNT; (P) PENDANT HUNG; (O) OTHER-SEE REMARKS IN REGARDS TO FIXTURE MOUNTING.												
<u>REMARKS</u> 1. 2'X 4' LED FLAT PANEL, 3800 LUMENS. 2. 2'X 4' LED FLAT PANEL, 3000 LUMENS. 3. 2'X 2' LED FLAT PANEL, 2000 LUMENS. 4. LED HIGH BAY WITH 24000 LUMEN OUTPUT. EQUIPPED WITH 5'-0" CABLE AND V HOOKS, WIRE GUARD. 5. 4'-0" LENSED LED STRIP LIGHT. 6. 16'-0" CONTINUOUS WALL MOUNT LINEAR LED FIXTURE, SILVER FINISH, 750 LUMENS PER FT. 7. 4" RECESSED LED CAN LIGHT, 4000 LUMENS. 8. 72" DIAMETER PENDANT OVER HALLWAYS ARE 1400 LUMENS DIMMABLE. 9. LED BUILDING WALL PAK, QUARTERSPHERE, DARK BRONZE TEXTURED FINISH. 10. LED EXIT LIGHT, SINGLE FACED, RED LETTERS WITH WHITE HOUSING. UNIVERSAL MOUNTING. 11. LED EXIT LIGHT, DOUBLE FACED, RED LETTERS WITH WHITE HOUSING. UNIVERSAL MOUNTING 12. LENSED DIMMABLE STRIP LIGHT.												
<u>EQUAL FIXTURES:</u> a. FIXTURES EQUAL IN ALL RESPECTS TO THE SPECIFIED FIXTURES MANUFACTURED BY, PHILIPS, COOPER LIGHTING, LITHONIA, COLUMBIA, HUBBELL, & DAYBRITE SHALL BE CONSIDERED AS EQUAL.												

ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN



HSR ASSOCIATES INC.  
100 MILWAUKEE STREET  
LA CROSSE, WISCONSIN  
PHONE: 608.784.1830  
FAX: 608.782.5844  
www.hsrassociates.com

Consultant:

Project Title: ABBOTSFORD SCHOOL DISTRICT

FEMA ADDITION

Project Location: 510 WEST HEMLOCK STREET  
ABBOTSFORD, WISCONSIN

Sheet Title: ELECTRICAL SCHEDULES

HSR Project Number:

21027

Project Date:

DECEMBER, 2021

Drawn By:

SMG

Key Plan:

BID DOCUMENTS

Revisions:		
No.	Description	Date
ADD01	Addendum #1	12/22/2021

Graphic Scale:  
VARIES

Last Update:  
12/22/2021 2:11:40 PM

E602