

Addendum 3

To:	Bidding Documents Plan-Holders of Record Project File	Date:	September 12 th , 2024
		Addendum Number:	Three
		Architect's Project #:	20230011
		Project Name:	CN Catoosa Child Development Center

From: BLUE RIVER ARCHITECTS, LLC
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Professional Seal:



NOTICE.....

This Addendum supplements and amends the original Bidding Documents, shall be taken into account in preparing proposals, and shall become a part of the Construction Documents. The bidder shall indicate receipt of this addendum and all previously issued addenda on the Bid/Proposal Form.

PRIOR ADDENDA

Addendum 1	Dated: 08/29/2024
Addendum 2	Dated: 09/09/2024

Changes / Clarifications to Specifications:

1. Section 00 0110 Table of Contents
 - 1.1 Remove and Replace Section.
2. Section 01 2200 Unit Prices
 - 2.1 Remove Section.
3. Section 10 5129 Phenolic Lockers
 - 3.1 Revise 2.02.A.2.
4. Section 10 8213 Exterior Grilles and Screens
 - 4.1 Added Section.
5. Section 32 1813 Synthetic Turf Surfacing
 - 5.1 Revise 2.01/ A.

Changes / Clarifications:

6. General Clarifications:
 - 6.1 All exterior gates swing gates are to be supplied with panic hardware. Basis of design for hardware is to be Von Duprin 99 with weep holes and CO-100 993. Utilize K-BXED-V992L-2 weldable box.

7. The following items are approved by name only and must comply with plans and specifications:

<u>Item</u>	<u>Manufacturer</u>	<u>Model</u>
Concrete Curing Lockers	Avec Lockers MFG Summit	Pro-Act (MRVA) Phenolic Locker Series Phenolic Lockers
Pre-engineered Structures Awnings Soffit System Note: Building & walkway	Archetype Canopies Archetype Canopies Longboard	6"V Tongue & Groove canopy soffit systems shall match
Arch Wood Casework Particle Board Arch Wood Casework Hardware Lighting - P1	Georgia Pacific Blum ARCHITECTURAL LIGHTING WOR	Temstock Metabox Drawer system LP1/MR1SD-D5-MIN/3000-0 /10V/S-EXT/F-AS-UNV
INV N17	CRUCIAL POWER PRODUCTS	(1) ES1.2A0100N1 (1) 9100-1343-01 (2) 2025-625-120-ON (1) FSES/3.0-SX
INV-N10	CRUCIAL POWER PRODUCTS	(1) ES1.2A0100N1 (1) 9100-1343-01 (2) 2025-625-120-ON (1) FSES/3.0-SX
INV	CRUCIAL POWER PRODUCTS	(1) WR010B5800T1 - CPP7050-275-120-SDT (1) 2025-786 (1) 9100-1343-01 (10) 2025-625-120-ON (1) FSEL/10-SX4
Lighting - A1 Lighting - A1E Lighting - A2	SIGNIFY SIGNIFY SIGNIFY	2FPZ45L835-2-DS-UNV-DIM 2FPZ45L835-2-DS-UNV-DIM 2FPZ45L835-2-DS-UNV-DIM-SWZCSR

Lighting - A2E	SIGNIFY	2FPZ45L8435-2-DS-UNV-DIM-SWZCSR
Lighting - B	SIGNIFY	2FGXG39L835-2-R-UNV-DIM
Lighting - C1	CORE LIGHTING	LNHV40-F-HB-35K-120V-XX'-IP65EF-HW36 + LNHV40-AC48 + ACCESSORIES
Lighting - D6	NULITE LIGHTING INC	RT2-D-FRF-10-L35-UNV-D-11-WH-6'
Lighting - D10	NULITE LIGHTING INC	RT2-D-FRF-10-L35-UNV-D-11-WH-10'
Lighting - D13	NULITE LIGHTING INC	RT2-D-FRF-10-L35-UNV-D-11-WH-13'
Lighting - EM1	EELP	VLWP53.5-B-1L-QT-MCT
Lighting - EX	EELP	EDG-UN-R1-A
Lighting - P1	MISC	USULA160LEDANIN
Lighting - Q	INNERSCENE	CS-154-XX-WH-INT-010V
Lighting - R1	SIGNIFY	6RN P6RDL20940MWHZ10U
Lighting - R1E	SIGNIFY	6RN P6RDL20940MWHZ10U
Lighting - R2	SIGNIFY	6RN P6RDL20940MWHRAU
Lighting - R2E	SIGNIFY	6RN P6RDL20940MWHRAU
Lighting - R4	FINELITE	HP-4WL-R-D-4'- TL(1000L/F)-835-F-96-120-SC-FC-1%-VF-C4-FE-SW
Lighting - S4	SIGNIFY	FSS445L835-UNV-DIM
Lighting - S4E	SIGNIFY	FSS445L835-UNV-DIM
Lighting - S8	SIGNIFY	FSS890L835-UNV-DIM
Lighting - S8E	SIGNIFY	FSS890L835-UNV-DIM
Lighting - SA2	SIGNIFY	OPF-M-A11-735-T4W-AR1-UNV-BL50-L3-BK
Lighting - SA2/POLE	KW INDUSTRIES	SSP25-5-11-BLK-DM2180-BC
Lighting - SB1	SIGNIFY	OPF-M-A11-735-T5W-AR1-UNV-BL50-L3-BK
Lighting - SB1/POLE	KW INDUSTRIES	SSP25-5-11-BLK-DM10-BC
Lighting - SC1	SIGNIFY	OPF-M-A11-735-T4M-AR1-UNV-BL50-L3-BK OPF-M-HIS-T4-2
Lighting - SC1/POLE	KW INDUSTRIES	SSP25-5-11-BLK-DM10-BC

Lighting - SD1	SIGNIFY	OPF-M-A11-735-T2M-AR1- UNV-BL50-L3-BK OPF-M-HIS- 2
Lighting - SD1/POLE	KW INDUSTRIES	SSP25-5-11-BLK-DM10-BC
Lighting - SF1	EELP	VLBRL-F-CL-1L-QT-MCT-BK
Lighting - SG	MISC	POLELED O2
Lighting - SH	EELP	LSLED2-K-8X70L-QT-40K
Lighting - V	FINELITE	HP-4WL-R-D-4'- TL(1000L/F)-840-F-96-120-SC- FC-1%-VF-C4-FE-SW
Lighting - W1	SIGNIFY	LPW-32-70-NW-G3-4-UNV- WH
Lighting - W2	SIGNIFY	LPW-32-70-NW-G3-4-UNV- WH
Lighting - GTD	BODINE	GTD10DIM
Lighting- A1	ABL-Lithonia Lighting	CPX 2X2 5000LM 80CRI 40K SWL MIN1 ZT MVOLT
Lighting- A1E	ABL-Lithonia Lighting	CPX 2X2 5000LM 80CRI 40K SWL MIN1 ZT MVOLT Note: on inv circ
Lighting - A2	ABL-Lithonia Lighting	CPX 2X2 5000LM 80CRI 40K SWL MIN1 MVOLT NLTAIR2 APDT
Lighting - A2E	ABL-Lithonia Lighting	CPX 2X2 5000LM 80CRI 40K SWL MIN1 MVOLT NLTAIR2 APDT
Note: on inv circ		
Lighting - B	ABL-Lithonia Lighting	2BLT2 40L ADP GZ1 LP840
Lighting - C1	Diode LED	DI-120V-INFBSC3-35K-H-F3- 31-MTCH
Lighting - D6	ABL-Mark Lighting	SL4L LOP 6FT FLP GB 80CRI 40K 1000LMF MIN1 120 ZT
Lighting - D10	ABL-Mark Lighting	SL4L LOP 10FT FLP FL 80CRI 40K 1000LMF MIN1 120 ZT
Lighting - D13	ABL-Mark Lighting	SL4L LOP 13FT FLP FL 80CRI 40K 1000LMF MIN1 120 ZT
Lighting - EM1	ABL-Lithonia Lighting	ARC2 LED P4 40K MVOLT PE E4WH DDBXD
Lighting - EX/1F	ABL-Lithonia Lighting	EDG 1 R M6

Lighting – R1	ABL-Lithonia Lighting	LBR6 NCH ALO2 SWW1 AR TRW LSS MWD MVOLT UGZ1 WL
Lighting – R1E	ABL-Lithonia Lighting	LBR6 NCH ALO2 SWW1 AR TRW LSS MWD MVOLT UGZ1 WL
Lighting – R2	ABL-Lithonia Lighting	Note: on inv circ LBR6 NCH ALO2 SWW1 AR TRW LSS MWD MVOLT UGZ1 NLTAIR2 WL
Lighting – R2E	ABL-Lithonia Lighting	LBR6 NCH ALO2 SWW1 AR TRW LSS MWD MVOLT UGZ1 NLTAIR2 WL
Lighting – R4	ABL-Lithonia Lighting	Note: on inv circ SL4L LOP 4FT FLP FL 80CRI 40K 1000LMF MIN1 120 ZT WL
Lighting – S4	ABL-Lithonia Lighting	CSS L48 ALO3 MVOLT SWW3 80CRI
Lighting – S4E	ABL-Lithonia Lighting	CSS L48 ALO3 MVOLT SWW3 80CRI
		Note: on inv circ
Lighting – S4/S4E/CK	ABL-Lithonia Lighting	HC36 M12
Lighting – S8	ABL-Lithonia Lighting	CSS L96 ALO4 MVOLT SWW3 80CRI
Lighting – S8E	ABL-Lithonia Lighting	CSS L96 ALO4 MVOLT SWW3 80CRI
		Note: on inv circ
Lighting – S8/S8E/CK	ABL-Lithonia Lighting	HC36 M12
Lighting – SA2	ABL-Lithonia Lighting	RSX2 LED P3 40K R4S MVOLT SPA NLTAIR2 PIRHN DBLXD
Lighting – SA2/P29	ABL-American Electric Lighting	SSS 25 5C DM29AS DBLXD
Lighting – SB1	ABL-Lithonia Lighting	RSX2 LED P3 40K R5 MVOLT SPA NLTAIR2 PIRHN DBLXD
Lighting – SB1/P1	ABL-American Electric Lighting	SSS 25 5C DM19AS DBLXD

Lighting – SC1	ABL-Lithonia Lighting	RSX2 LED P3 40K R4 MVOLT HS SPA NLTAIR2 PIRHN DBLXD
Lighting – SC1/P1	ABL-American Electric Lighting	SSS 25 5C DM19AS DBLXD
Lighting – SD1	ABL-Lithonia Lighting	RSX2 LED P3 40K R4 MVOLT HS SPA NLTAIR2 PIRHN DBLXD
Lighting – SD1/P1	ABL-American Electric Lighting	SSS 25 5C DM19AS DBLXD
Lighting – SG1	Kirlin	LWR-09490-5000L-120-50K- HC-4"DIA-35
Lighting – SH	ABL-Hydrel	4750LCR LOP 8FT 2000LMF 40K MVOLT WWD KM EA18 CSL10 ZT BL
Lighting – V	ABL-Mark Lighting	SL4L LOP 4FT FLP FL 80CRI 40K 1000LMF MIN1 120 ZT WL
Lighting – W1	ABL-Lithonia Lighting	DSXW2 LED 30C 700 40K T4M MVOLT DWHXD
Lighting - W2	ABL-Lithonia Lighting	DSXW2 LED 30C 700 40K TFTM MVOLT DWHXD
INV Note: 48" x 76" x 25" x	LVS Controls	A-IE-8-S-BB2010-2YW
GTD Controls	LVS Controls ABL-Acuity Brands Controls	2561# EPC-D-F-ATS NLIGHT AIR

8. **Pre-Bid RFI 14:** The Pre-engineered structures specification doesn't reference any soffit materials or finish. The plans show a soffit panel, but no description. Please advise.

Answer: Per Blue River Architects, pre-finished metal soffit is to match that called out for the building. Refer to specification section 07 4213.

9. **Pre-Bid RFI 21:** I see waterjet cut on LCT in specs, but there is no logo in the schedule. Please advise.

Answer: Per Blue River Architects, please waterjet where there are curves in the LVT flooring installation. Refer to finish plans.

10. Pre-Bid RFI 22:

10.1 TB-2: This is a bullnose base. It cannot be used as a base on the wet walls. What should be used at the base of the wet walls or should another base be selected.

10.2 TB-1: This is also a bullnose base. There is a cove base option that is 6x12 and it can be used on the wet walls

Answer: Per Blue River Architects, there is no standard or code against using bullnose tile base with wall tile. Please install tile base as documented.

11. Pre-Bid RFI 23: What style of Schluter should be used across the top of wet walls?

Answer: Per Blue River Architects, install Schluter Jolly stainless steel transition strip at all exposed edges of TL-2 and TL-4

12. Pre-Bid RFI 24: If base selection is changed what should be used for the top of base to cover rough edges.

Answer: Per Blue River Architects, no change in tile base is required.

13. Pre-Bid RFI 25: Low Voltage Questions:

13.1 On the prints I see (2) IT rooms – do they want fiber between them?

13.2 In the specs 2.06 calls for OS2 but no count on fibers? Assuming 12-fibers.

13.3 In IT rooms; what racks do they want, 2-post or 4-post. Need to know size of vertical wire managers as several are listed in material list. (last project had drawings of each room).

13.4 In specs 2.11 and 2.12 (but not on prints), it lists PDU and UPS units. Do we need to include in quote?

13.5 Only see cabling for network but the last job we had to wire for cameras as well but don't see a print for camera locations. Is camera cabling part of this project?

13.6 Just clarifying that the triangles (half colored in) have only (1) Cat 6A except where a "(2)" is listed and that needs (2) Cat 6A Ethernet cables. I don't see APs on print but assume you will want cabling for them.

13.7 Only ladder I see in the drawings is in IT rooms. Last project they had installed ladder in the hallways – just making sure J-hooks are acceptable when the cables leave the IT rooms.

13.8 Also just need to verify size and quantity of Cat 6A patch cables to bid.

Specs 2.04I lists patch cables at racks but don't see anything listed for the work area. Last project the quantity/size to bid was listed in scope of work.

Answer: Per Crux Solutions,

9.1 Yes. Refer to sheet T401.

9.2 Yes. Refer to sheet T401.

9.3 4-post. Refer to sheet T301. Size as required to support the number of cables being installed with the 25% growth.

9.4 No. Refer to sheet T002.

9.5 Refer to sheet T001 camera symbols stating that a category cable is required. Refer to sheet T002 stating that camera cabling is included in structured cabling to be installed.

9.6 Refer to sheet T001 DATA SYMBOLS LEGEND depicting XX as outlet installation type and # as number of drops (cables) to be installed.

9.7 Correct. Refer to appendix in 271000 for approved J-Hooks.

9.8 Refer to 271000 1.04 G. 6. stating to include all components to station equipment. Refer to 271000 1.04 G. 7. stating that the allowable distance for patch cable and cross connect total is 16 feet. Knowing that T301 is showing floor mounted rack, that 271000 2.04 I. 1. is stating that 7' patch cords are required at the rack, and that 7' and 10' patch cables are listed in the 271000 appendix, include 7' patch cords for both ends of the cable for bidding. Verify quantities and lengths for each color as required with Owner before ordering.

14. **Pre-Bid RFI 26:** As per the Cherokee Nation – Catoosa Child Development Center, Lennox would like to compete and be considered an alternate for the HVAC equipment. Lennox also has an agreement with CaptiveAire products to compete on the DOAS units.

Answer: Substitution Request with product information to be provided for review.

15. **Pre-Bid RFI 27:** Are shop drawings for the ductwork going to be a required submittal from the HVAC contractors?

Answer: Yes, shop drawings for ductwork are required.

16. **Pre-Bid RFI 28:** There are some wood lockers (keynote EQ-16) that I don't see a spec for or called out in any bid package. It says contractor is responsible for providing them so they need to be included with the phenolic lockers?

MICROWAVE OVEN							
EQ-16	DOUBLE TIER 5' STYLE LOCKER	SALSBURY INDUSTRIES	27164	CONTRACTOR	CONTRACTOR	15"W X 12"H X 24"D	

Answer: Per Blue River Architects, please include EQ-16 in addition to the phenolic lockers, EQ-18. See EQ-16 revision on the Specialty Equipment Schedule, A401.

17. **Pre-Bid RFI 29:** HVAC Questions:

17.1 Sheet M101 HVAC Plan Area A, match line "K" shows equipment and ductwork that is not represented on Sheet M102 HVAC Plan Area B. This would include FCU-14,18, AC-2, grille, and associated ductwork that is not being picked up.

17.2 The following items are not represented on any of the MECHANICAL DRAWINGS.

A. AC-1,28/ACCU-2,

B. FCU-14,18,/CU-6,7,8,10,11,12,13,14,15,16,17,18,19,

- C. EF-1,4,6,8
- D. DOAS-1,2
- E. LV-11
- F. MAU-1
- G. KEF-1,2
- H. DEF-1

I. Some of these items have associated ductwork that is also NOT SHOWN.

Answer:

13.1 Per Precision Engineering, equipment and ductwork is shown on M101.

13.2 Per Precision Engineering, all items aside from LV-11 are on plans and schedules. See M101, M102 and MP101 for all equipment locations.

18. **Pre-Bid RFI 30:** In Addendum #02 that just came out they added (6) new fixtures in the Entry Reception area Rm 102 but are not calling out a fixture type. Could I get some clarification on the type of fixture the design team wants?

Answer: See Addendum 3 sheet E101A.

19. **Pre-Bid RFI 31:** Addendum #2 added ½" plywood sheathing to roof purlins. Purlins on the drawings are showing to be on 5' centers. Also, will plywood be required @ soffit panels? Please clarify.

Answer: Exterior sheathing is required at roof purlins and soffit panels at all locations aside from at the porte cochere. Refer to roof details per A112 for more information.

20. **Pre-Bid RFI 32:** We wanted to get clarification on the Drive thru Canopy on the South end of the Building. Will there be any 7/8" Hat channel or stud framing involved?

Answer: Please see attached new detail K/A112 for drive canopy. Note that additional framing will be required at lighting locations as needed to support fixture installation.

21. **Pre-Bid RFI 33:** Can you provide a cut section thru the drive canopy?

Answer: Please see attached new detail K/A112 for drive canopy.

22. **Pre-Bid RFI 34:** On #4 of the Structural fill requirements, page 18, of Geo Report it states that onsite soils can possibly be used for building and pavement fill areas providing they remain 4 ft and 1 ft below subgrade? The Geo report also states that the building should have 24" undercut and approved structural fill placed prior to aggregate base course and concrete, and roadways are to have 10" of undercut and structural fill placed prior to agg base and perspective paving type? Could clarity be given to the use of onsite fills for building and driveway fill areas?

Answer: Per Wallace Design Collective, table 6 in the geotechnical report outlines fill requirements. It lists onsite lean clays, lean to fat clays, and fat clays as not

suitable for structural fill and onsite weathered (sandy) shale and clayey shale as likely suitable.

23. **Pre-Bid RFI 35:** Are we to assume the depth of lime stabilization of existing soils is equal to depth of undercut required for perspective areas?

Answer: Per Wallace Design Collective, refer to Table 8 in the geotech report.

24. **Pre-Bid RFI 36:** Is there any alternate allowed that we could change the domestic and irrigation pipe to. Currently it calls it out as Pex pipe. Possibly Sch40 PVC or HDPE pipe. Especially for the 2-1/2" Domestic.

Answer: Per Wallace Design Collective, the owner requested no PVC SCH 40 to avoid leaks as the line runs down a hill. An HDPE product would be considered if it can be shown to meet relevant standards and be leak resistant.

25. **Pre-Bid RFI 37:** The plans call for (3) Duncan & Grove Water troughs. Are we also supposed to include the water pumps, or will this be a water trough with self-carried water (garden hoses)? The water pump is an option and it is pricey. See attached.

Answer: These will be water troughs with self-carried water (garden hoses).

26. **Pre-Bid RFI 38:** Team, on ES101 keynote 4 shows the primary electrical conduit to be 4 inch. On C601 shows the UE conduit as 6-inch PVC. Which plans should we use for the bidding purpose on this project? Also, on the primary communication conduits there is no inground j boxes shown. Please advise.

Answer: Per Precision Engineering, match civil 6" conduit. Provide junction boxes as required.

Changes / Clarifications to the Drawings:

27. A101A First Floor Plan – Area A

27.1 Relocated drinking fountain.

27.2 Added wing walls at drinking fountain locations.

28. A101B First Floor Plan – Area B

28.1 Relocated drinking fountain and fire extinguisher cabinet.

29. A111 Roof Plan

29.1 Added roof section detail callout.

30. A112 Roof Details

30.1 Added roof detail K/A112.

30.2 Add graphic for insulation where wall terminates at roof system for details A/, B/, D/, and F/, and G/A311.

31. A311 Wall Sections

31.1 Updated furring channel depths.

31.2 Add graphic for air and vapor barrier on E/A311.

- 31.3 Add graphic for insulation where wall terminates at roof system for details A/, D/, and F/A311.
- 31.4 Add callout to E/A311.
- 31.5 Updated F/A311.
- 32. A401 Enlarged Plans & Interior Elevations
 - 32.1 Updated U/A401.
 - 32.2 Updated Specialty Equipment Schedule.
- 33. A402 Enlarged Plans & Interior Elevations
 - 33.1 Removed drinking fountain from A/A402.
 - 33.2 Updated detail R/A402.
- 34. A501 Plan and Section Details
 - 34.1 Added 1 1/2" hat channels to details B/, C/, D/, K/, and L/A501.
 - 34.2 Updated stud depths on C/ and D/A501.
- 35. A701 Interior Elevations
 - 35.1 Updated elevation D/A701.
 - 35.2 Updated elevation K/A701.
- 36. ID101A First Floor Finish Plan – Area A
 - 36.1 Updated Tile Finish Floor Plan General Notes.
 - 36.2 Updated Interior Finish Schedule.
- 37. ID121A First Floor Signage Plan – Area A
 - 37.1 Updated Signage Location.

LIST OF ATTACHMENTS

Narrative provided by Precision Engineering Group
Specification Sections – (4)

- 00 0110 Table of Contents
- 10 5129 Phenolic Lockers
- 10 8213 Exterior Grilles and Screens
- 32 1813 Synthetic Turf Surfacing

Sheets – (19) sized 36X48:
Architecture: A101A, A101B, A111, A112, A311, A401, A402, A501, A701
Interior: ID101A, ID121A
Plumbing: P101, P103, P400, P402
Electrical: E000, E101A, E201A, E301

END OF ADDENDUM



Where great ideas take shape...

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Mechanical Electrical Design Consultants

Cherokee Nation – Catoosa Child Development Center Catoosa, OK Narrative of changes – Addendum 3

Plumbing:

P101:

- Relocated EWC-1.

P103:

- Relocated EWC-1.

P400:

- Updated risers for relocated EWC-1.

P402:

- Updated risers for relocated EWC-1.

Electrical:

E000:

- Add fixture type D7 to light fixture schedule.

E101A:

- Add light fixture tags above entry

E201A:

- Revised electrical requirements at public restroom sinks.
- Relocate electric water cooler.

E301:

- Panelboard “P3” revise circuits, loads, & totals.

**SECTION 00 0110
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PROCUREMENT AND CONTRACTING REQUIREMENTS

1.01 DIVISION 00 -- PROCUREMENT AND CONTRACTING REQUIREMENTS

- A. 00 0107 - Seals Page
- B. 00 0110 - Table of Contents
- C. 00 3100 - Available Project Information

SPECIFICATIONS

2.01 DIVISION 01 -- GENERAL REQUIREMENTS

- A. 01 1000 - Summary
- B. 01 2000 - Price and Payment Procedures
- C. 01 2300 - Alternates
- D. 01 2500 - Substitution Procedures
- E. 01 3000 - Administrative Requirements
- F. 01 3216 - Construction Progress Schedule
- G. 01 3553 - Security Procedures
- H. 01 4000 - Quality Requirements
- I. 01 5000 - Temporary Facilities and Controls
- J. 01 5100 - Temporary Utilities
- K. 01 5500 - Vehicular Access and Parking
- L. 01 5713 - Temporary Erosion and Sediment Control
- M. 01 6000 - Product Requirements
- N. 01 6116 - Volatile Organic Compound (VOC) Content Restrictions
- O. 01 7610 - Temporary Protective Coverings
- P. 01 7800 - Closeout Submittals
- Q. 01 7900 - Demonstration and Training

2.02 DIVISION 02 -- EXISTING CONDITIONS (NOT USED)

2.03 DIVISION 03 -- CONCRETE

- A. 03 0516 - Underslab Vapor Barrier
- B. 03 1000 - Concrete Forming and Accessories
- C. 03 1119 - Insulating Concrete Forming
- D. 03 2000 - Concrete Reinforcing
- E. 03 3000 - Cast-in-Place Concrete
- F. 03 3511 - Concrete Floor Finishes

2.04 DIVISION 04 -- MASONRY

- A. 04 7200 - Cast Stone Masonry
- B. 04 7300 - Manufactured Stone Masonry

2.05 DIVISION 05 -- METALS

- A. 05 1200 - Structural Steel Framing
- B. 05 2100 - Steel Joist Framing
- C. 05 3100 - Steel Decking
- D. 05 4000 - Cold-Formed Metal Framing

- E. 05 5000 - Metal Fabrications
- F. 05 7311 - Decorative Metal Railings

2.06 DIVISION 06 -- WOOD, PLASTICS, AND COMPOSITES

- A. 06 1000 - Rough Carpentry
- B. 06 4100 - Architectural Wood Casework
- C. 06 8316 - Fiberglass Reinforced Paneling

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- A. 07 0553 - Fire and Smoke Assembly Identification
- B. 07 1400 - Fluid-Applied Waterproofing
- C. 07 2100 - Thermal Insulation
- D. 07 2119 - Foamed-In-Place Insulation
- E. 07 2400 - Exterior Insulation and Finish Systems
- F. 07 2500 - Weather Barriers
- G. 07 4113 - Metal Roof Panels
- H. 07 4213 - Metal Wall Panels
- I. 07 5400 - Thermoplastic Membrane Roofing
- J. 07 6200 - Sheet Metal Flashing and Trim
- K. 07 7100 - Roof Specialties
- L. 07 7200 - Roof Accessories
- M. 07 8400 - Firestopping
- N. 07 9200 - Joint Sealants

2.08 DIVISION 08 -- OPENINGS

- A. 08 1113 - Hollow Metal Doors and Frames
- B. 08 1416 - Flush Wood Doors
- C. 08 3323 - Overhead Coiling Doors
- D. 08 4313 - Aluminum-Framed Storefronts
- E. 08 7100 - Door Hardware
- F. 08 8000 - Glazing

2.09 DIVISION 09 -- FINISHES

- A. 09 0561 - Common Work Results for Flooring Preparation
- B. 09 2116 - Gypsum Board Assemblies
- C. 09 3000 - Tiling
- D. 09 5100 - Acoustical Ceilings
- E. 09 6500 - Resilient Flooring
- F. 09 6500.1 - Resilient Flooring Waterjet Cutting
- G. 09 6700 - Fluid-Applied Flooring
- H. 09 6813 - Tile Carpeting
- I. 09 8430 - Sound-Absorbing Wall and Ceiling Units
- J. 09 9113 - Exterior Painting
- K. 09 9123 - Interior Painting

2.10 DIVISION 10 -- SPECIALTIES

- A. 10 1100 - Visual Display Units
- B. 10 1400 - Signage
- C. 10 2113.19 - Plastic Toilet Compartments
- D. 10 2600 - Wall and Door Protection
- E. 10 2800 - Toilet, Bath, and Laundry Accessories
- F. 10 4400 - Fire Protection Specialties
- G. 10 5129 - Phenolic Lockers
- H. 10 7313 - Awnings
- I. 10 7500 - Flagpoles
- J. 10 8213 - Exterior Grilles and Screens

2.11 DIVISION 11 -- EQUIPMENT

- A. 11 3013 - Residential Appliances
- B. 11 4000 - Foodservice Equipment
- C. 11 6500 - Athletic Equipment
- D. 11 6813 - Playground Equipment

2.12 DIVISION 12 -- FURNISHINGS

- A. 12 2400 - Window Shades
- B. 12 3600 - Countertops
- C. 12 9300 - Site Furnishings

2.13 DIVISION 13 -- SPECIAL CONSTRUCTION

- A. 13 3123 - Tensioned Fabric Structure
- B. 13 3400 - Pre-engineered Structures
- C. 13 3419 - Metal Building Systems

2.14 DIVISION 14 -- CONVEYING EQUIPMENT (NOT USED)

2.15 DIVISION 21 -- FIRE SUPPRESSION

- A. 21 0500 - Common Work Results for Fire Suppression
- B. 21 1000 - Water Based Fire Suppression Systems

2.16 DIVISION 22 -- PLUMBING

- A. 22 0500 - Common Work Results for Plumbing
- B. 22 0513 - Common Motor Requirements for Plumbing Equipment
- C. 22 0516 - Expansion Fittings and Loops for Plumbing Piping
- D. 22 0519 - Meters and Gauges for Plumbing Piping
- E. 22 0523 - General-Duty Valves for Plumbing Piping
- F. 22 0529 - Hangers and Supports for Plumbing Piping and Equipment
- G. 22 0548 - Vibration Controls for Plumbing Piping and Equipment
- H. 22 0553 - Identification for Plumbing Piping and Equipment
- I. 22 0700 - Plumbing Insulation
- J. 22 1113 - Facility Water Distribution Piping
- K. 22 1116 - Domestic Water Piping
- L. 22 1119 - Domestic Water Piping Specialties
- M. 22 1123 - Domestic Water Circulation Pumps

- N. 22 1123 - Domestic Water Pumps
- O. 22 1313 - Facility Sanitary Sewer
- P. 22 1316 - Sanitary Waste and Vent Piping
- Q. 22 1319 - Sanitary Waste Piping Specialties
- R. 22 3100 - Domestic Water Softeners
- S. 22 3400 - Fuel Fired Domestic Water Heaters
- T. 22 4000 - Plumbing Fixtures
- U. 22 4700 - Drinking Fountains And Water Coolers

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

- A. 23 0500 - Common Work Results For HVAC
- B. 23 0513 - Common Motor Requirements for HVAC Equipment
- C. 23 0529 - Hangers and Supports for HVAC Piping and Equipment
- D. 23 0548 - Vibration Isolation for HVAC Piping and Equipment
- E. 23 0553 - Identification for HVAC Piping and Equipment
- F. 23 0593 - Testing, Adjusting, and Balancing for HVAC
- G. 23 0700 - HVAC Insulation
- H. 23 0900 - Instrumentation and Controls for HVAC
- I. 23 1123 - Facility Natural-Gas Piping
- J. 23 2300 - Refrigerant Piping
- K. 23 3113 - Metal Duct
- L. 23 3300 - Air Duct Accessories
- M. 23 3416 - Centrifugal HVAC Fans
- N. 23 3713 - Diffusers, Registers, and Grilles
- O. 23 7414 - Dedicated Outdoor Air Units (Packaged)
- P. 23 8126 - Split Systems Air-Conditioners
- Q. 23 8239 - Electric Unit Heaters

2.18 DIVISION 25 -- INTEGRATED AUTOMATION (NOT USED)

2.19 DIVISION 26 -- ELECTRICAL

- A. 26 0500 - Common Work Results for Electrical
- B. 26 0519 - Low-Voltage Electrical Power Conductors and Cables
- C. 26 0526 - Grounding and Bonding for Electrical Systems
- D. 26 0529 - Hangers and Supports for Electrical Systems
- E. 26 0533 - Raceway and Boxes for Electrical Systems
- F. 26 0553 - Identification for Electrical Systems
- G. 26 2416 - Panelboards
- H. 26 2726 - Wiring Devices
- I. 26 2816 - Enclosed Switches and Circuit Breakers
- J. 26 3213 - Engine Generators
- K. 26 3600 - Transfer Switches
- L. 26 5100 - Interior Lighting
- M. 26 5600 - Exterior Lighting

2.20 DIVISION 27 -- COMMUNICATIONS

- A. 27 0500 - Common Work Results for Communications
- B. 27 0528 - Pathways For Communication Systems
- C. 27 1000 - Structured Cabling System
- D. 27 4116 - Integrated Audio-Video Equipment
- E. 27 5116 - Public Address Systems

2.21 DIVISION 28 -- ELECTRONIC SAFETY AND SECURITY

- A. 28 0511 - Cyber Security Requirements
- B. 28 1300 - Access Control Systems
- C. 28 2300 - Video Surveillance Systems
- D. 28 3100 - Fire Detection and Alarm System

2.22 DIVISION 31 -- EARTHWORK

- A. 31 1000 - Site Clearing
- B. 31 1100 - Stormwater Pollution Prevention Plan
- C. 31 2000 - Earth Moving
- D. 31 2001 - Structural Earth Moving
- E. 31 2316 - Excavation
- F. 31 3116 - Termite Control

2.23 DIVISION 32 -- EXTERIOR IMPROVEMENTS

- A. 32 1216 - Asphalt Paving
- B. 32 1313 - Concrete Paving
- C. 32 1316 - Architectural Concrete Paving
- D. 32 1373 - Concrete Paving Joint Sealants
- E. 32 1813 - Synthetic Turf Surfacing
- F. 32 3113 - Chain Link Fences and Gates
- G. 32 3119 - Anti-climb Welded Wire Fencing
- H. 32 3120 - Steel Privacy Gates
- I. 32 3132 - Composite Fences and Gates
- J. 32 8423 - Underground Sprinklers
- K. 32 9223 - Sodding
- L. 32 9300 - Plants

2.24 DIVISION 33 -- UTILITIES

- A. 33 4100 Storm Utility Drainage Piping

END OF SECTION

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**SECTION 10 5129
PHENOLIC LOCKERS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Phenolic lockers.

1.02 REFERENCE STANDARDS

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; 2010.
- B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2021a.
- C. ICC A117.1 - Accessible and Usable Buildings and Facilities; 2017.

1.03 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Manufacturer's published data on locker construction, sizes and accessories.
- C. Shop Drawings: Indicate locker plan layout, numbering plan and project specific details.
- D. Samples: Submit two samples 4 by 4 inches (100 by 100 mm) in size, of each color scheduled.
- E. Manufacturer's Installation Instructions: Indicate component installation assembly.

1.04 DELIVERY, STORAGE, AND HANDLING

- A. Protect locker finish and adjacent surfaces from damage.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Phenolic Lockers:
 - 1. Basis-of-design: ASI Storage Solutions; www.asistorage.com.
- B. Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 1. Columbia Lockers, a division of PSiSC: www.psis.com/#sle.
 - 2. Scranton Products; www.scrantonproducts.com.
 - 3. Substitutions: See Section 01 6000 - Product Requirements.

2.02 LOCKER APPLICATIONS

- A. Student Lockers: Phenolic lockers, free-standing with matching closed base.
 - 1. Accessibility: Comply with ICC A117.1 and ADA Standards.
 - 2. Locker Configuration: As indicated on drawings.
 - 3. Fittings: Size and configuration as indicated on drawings.
 - 4. Ventilation: By open space between the back of the door and locker body.
 - 5. Locking: Built-in combination locks.
 - 6. Provide sloped top.

2.03 PHENOLIC LOCKERS

- A. Lockers: Factory assembled, made of phenolic core panels with mortise and tenon joints and stainless steel mechanical joint fasteners; fully finished inside and out; each locker capable of standing alone.
 - 1. Doors: Full overlay, covering full width and height of locker body; square edges.
 - 2. Panel Core Exposed at Edges: Machine polished, without chips or tool marks; square edge unless otherwise indicated.
 - 3. Where locker ends or sides are exposed, finish the same as fronts or provide extra panels to match fronts.
 - 4. Provide filler strips where indicated or required for application, securely attached to lockers.
 - 5. Colors: Match Architect's control sample for each type of locker door, body and panel.

6. Fasteners for Accessories and Locking Mechanisms: Tamperproof type.
- B. Component Thicknesses:
 1. Doors: 1/2 inch (13 mm) minimum thickness.
 2. Locker Body: One of the following combinations:
 - a. Tops, bottoms, and shelves 1/2 inch (13 mm); sides 3/8 inch (10 mm); backs 1/4 inch (6 mm); minimum.
 3. End Panels and Filler Panels: 1/2 inch (13 mm) minimum thickness.
 4. Sloped Tops: 1/2 inch (13 mm) minimum thickness.
 5. Toe Kick Plates: 1/2 inch (13 mm) minimum thickness.
- C. Phenolic Core Panels: Nonporous phenolic resin and paper core formed under high pressure, with natural colored finished edges, integral melamine surface, matte finish, and uniform surface appearance; glued laminated panels not acceptable.
 1. Surface Burning Characteristics: Flame spread index of 75 or less, and smoke developed index of 450 or less; when tested in accordance with ASTM E84.
- D. Hinges: Stainless steel, black powder coat finish; minimum of 180 degree opening; either exposed barrel 5-knuckle hinge attached to back of door and inside of body with tamperproof screws, or concealed cabinet style hinge attached with tamperproof screws.
- E. Number Plates: Manufacturer's standard, minimum 4-digit, permanently attached with adhesive; may be field installed.
- F. Locks: Locker manufacturer's standard type indicated above.
- G. Lock Strike: Stainless steel, or black high impact ABS plastic strike plate attached to locker body with throughbolts.
- H. Locker Base: Manufacturer's standard base constructed of the same material as locker body..

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that prepared bases are in correct position and configuration.
- B. Verify bases and embedded anchors are properly sized.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Place and secure on prepared base.
- C. Install lockers plumb and square.
- D. Secure lockers with anchor devices to suit substrate materials. Minimum Pullout Force: 100 pounds (445 N).
- E. Bolt adjoining locker units together to provide rigid installation.
- F. Install end panels, filler panels, sloped tops, and miscellaneous panels.
- G. Install accessories.
- H. Replace components that do not operate smoothly.

3.03 CLEANING

- A. Clean locker interiors and exterior surfaces.

END OF SECTION

**SECTION 10 8213
EXTERIOR GRILLES AND SCREENS**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Exterior aluminum grilles and screens attached to structure.

1.02 RELATED REQUIREMENTS

- A. Section 05 1200 - Structural Steel Framing: Mounting substrates.

1.03 REFERENCE STANDARDS

- A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; 2014 (2015 Errata).
- B. AAMA 2604 - Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings on Aluminum Extrusions and Panels (with Coil Coating Appendix); 2017a.
- C. ASTM A307 - Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength; 2021.
- D. ASTM B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2014.
- E. ASTM B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate (Metric); 2014.
- F. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2021.
- G. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric); 2021.
- H. ASTM F593 - Standard Specification for Stainless Steel Bolts, Hex Cap Screws, and Studs; 2017.

1.04 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Submit detailed shop drawings, indicating component profiles, sections, finishes, fastening details, special details, and manufacturer's technical and descriptive data.
 - 1. Include field dimensions of openings and elevations on shop drawings.
 - 2. Indicate distinction between factory-assembled and field-assembled work on shop drawings.
- C. Samples: Submit samples for color verification, 10 inches (254 mm) by 10 inches (254 mm) minimum.
- D. Samples: Submit assembled sample 24 inches by 24 inches (610 mm by 610 mm) minimum size to illustrate design, fabrication techniques, workmanship, and finish color.
- E. Delegated Design Data: Submit comprehensive structural analysis of design for the specified loads. Stamp and sign calculations by professional engineer.
- F. Designer's Qualification Statement.
- G. Manufacturer's Qualification Statement.

1.05 QUALITY ASSURANCE

- A. Designer Qualifications: Perform structural design under direct supervision of a Professional Engineer experienced in design of this type of work and licensed in the State in which the Project is located.
- B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than five years of documented experience.
- C. Installer Qualifications: Company specializing in performing work of the type specified and with minimum three years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Store materials indoors, protected from moisture, humidity, and extreme temperature fluctuations.

1.07 WARRANTY

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective work within a one year period after Date of Substantial Completion.
- C. Finish Warranty: Provide manufacturer's ten year warranty on factory finish against cracking, peeling, and blistering.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Basis of Design: Architectural Louvers - <http://www.archlouvers.com> - phone: 888-568-8371.
- B. Other Acceptable Manufacturers
 1. Architectural Grilles & Sunshades, Inc; _____: www.agsshade.com/#sle.
 2. DAMS Incorporated; TU Series: www.damsinc.com/#sle.
 3. Industrial Louvers, Inc; _____: www.industriallouvers.com/#sle.
 4. Metalwerks; Screenwalls: www.metalwerksusa.com/#sle.
 5. Substitutions: See Section 01 6000 - Product Requirements.

2.02 SCREENS

- A. Horizontal Blade Louvered Roof Top Equipment Screen
 1. Basis-of-Design Product: Architectural Louvers Co. (Harray, LLC); Model V4JS. Subject to compliance with requirements, provide the specified product or comparable product by one of the following:
 - a. Manufacturers of equivalent products submitted and approved in accordance with Section 01630 - Product Substitution Procedures.
 2. Louver Blade Depth: 4 inches (100 mm)
 3. Blade Profile: Plain inverted blade without center baffle.
 4. Blade Nominal Thickness: Not less than 0.080 inch (2.03 mm).
 5. Blade Corner: preformed mitered corner
 6. Wind Load Resistance: Design to resist positive and negative wind load, as required by code, without damage or permanent deformation.

2.03 MATERIALS

- A. Aluminum Extrusions: ASTM B221 (ASTM B221M) alloy 6063, temper T5, 1/8 inch (3 mm) minimum wall thickness.
- B. Aluminum Sheet: ASTM B209 (ASTM B209M) alloy 5005, with temper as required for forming.
- C. Concealed Structural Supports: Aluminum, or steel coated for corrosion resistance and dissimilar metal isolation.

2.04 FABRICATION

- A. Shop fabricate grilles and screens to the greatest extent possible.
- B. Disassemble as necessary for shipping and handling, clearly mark units for proper reassembly.
- C. Provide supports, anchorages, and accessories as required for complete assembled system.

2.05 FINISHES

- A. High Performance Organic Coatings: AAMA 2604; multiple coats, thermally cured fluoropolymer system.
- B. Finish Color: As selected by Architect from manufacturer's standard color range.

2.06 ACCESSORIES

- A. Fasteners: ASTM F593 stainless steel or ASTM A307 carbon steel, sizes to suit installation conditions.

- B. Anchors and Inserts: Corrosion resistant; type, size, and material required for loading and installation as indicated.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify dimensions, tolerances, and method of attachment with other work.
- B. Verify that painting, roofing, masonry work, and other adjacent work that might damage grille finish have been completed prior to start of installation.
- C. Verify that anchorage devices have been properly installed and located.

3.02 INSTALLATION

- A. Install in accordance with manufacturer's written installation instructions.
- B. Set screens level, plumb, with uniform joints, and in alignment with adjacent work as indicated.
- C. Mechanically secure screens to supporting structure.
- D. Do not cut or trim aluminum members without approval of manufacturer; do not install damaged members.

3.03 TOLERANCES

- A. Maximum Variation From True Position: 1/8 inch (3 mm).
- B. Maximum Offset From True Alignment: 1/8 inch (3 mm).

3.04 CLEANING

- A. Clean finished surfaces as recommended by manufacturer and maintain clean condition until Date of Substantial Completion.
- B. Touch-up damaged finish coating using material provided by manufacturer to match original coating.

3.05 PROTECTION

- A. Protect installed screens to ensure screens are without damage until Date of Substantial Completion.

END OF SECTION

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**SECTION 32 1813
SYNTHETIC TURF SURFACING**

PART 1 GENERAL

1.01 SYSTEM DESCRIPTION

- A. Provide all labor, materials, equipment, and tools necessary for the complete installation of synthetic turf surface. Surface shall meet applicable safety standards as required by the ASTM and synthetic turf industry. The system shall consist of, but not limited to, the following:
 - 1. Provide all labor, materials, equipment, and tools necessary for the complete installation of synthetic turf surface. System must be certified and supported by test data that is less than 3 years executed. The system shall consist of, but not limited to, the following:
 - a. Synthetic turf carpet.
 - b. Synthetic turf infill.
 - c. Pad underlayment system.
 - d. Drainage stone.
 - e. Geotextile fabric.
 - f. Groomer/ Sweeper.
 - g. Edge restraint with tack strip.
- B. Coordinate work of this Section with grading, drainage, and base work necessary to shape and drain the area in preparation for installation of the synthetic turf in areas shown on Drawings.

1.02 REFERENCE STANDARDS

- A. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete; 2021b.
- B. ASTM C136/C136M - Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates; 2019.
- C. ASTM D1557 - Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft³ (2,700 kN-m/m³)); 2012 (Reapproved 2021).
- D. ASTM D2047 - Standard Test Method for Static Coefficient of Friction of Polish-Coated Flooring Surfaces as Measured by the James Machine; 2017.
- E. ASTM F1951 - Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment.
- F. ASTM D6662 - Standard Specification for Polyolefin-Based Plastic Lumber Decking Boards; 2022.
- G. ASTM F1292 - Standard Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment; 2022.
- H. ASTM F1487 - Standard Consumer Safety Performance Specification for Playground Equipment for Public Use; 2021.
- I. {RSTEMP#1402}

1.03 DEFINITIONS

- A. Use Zone: The area beneath and immediately adjacent to a play structure or equipment (play event) that is designated for unrestricted circulation around equipment, and on whose surface it is predicted that a user would land when falling from or exiting the equipment.
- B. Critical Fall Height: The maximum fall height at which the protective surfacing meets the requirements of ASTM F1292.
- C. Subbase: A layer under the resilient layer of the protective surfacing but over the subgrade; may be rigid, as in concrete or bituminous, or aggregate.
- D. Subgrade: The surface of the ground on which the protective surfacing system is installed.

1.04 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements - Administrative Requirements, for submittal procedures.

- B. Product Data: Submit manufacturer's product data, including installation instructions, subsurface instructions, and certifications.
- C. Shop Drawings: Detailed scale drawings showing locations of site elements, bases, and anchorage points.
- D. Samples: Submit two 12"x12" samples of each synthetic grass color, and two samples demonstrating typical seam connection.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company regularly engaged in manufacturing products specified in this section, with not less than five years of documented experience.
 - 1. Surfacing installed in minimum 10 sites and been in successful service minimum 5 years.
 - 2. Manufacturer's Representative: Provide name, company name and address, and qualifications.
- B. Installer Qualifications: Company certified by manufacturer for training and experience installing the protective surfacing; provide installer's company name and address, and training and experience certificate.

1.06 DELIVERY, STORAGE & HANDLING

- A. General: Comply with Division 1 Product Requirement Section.
- B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature range required by manufacturer.

1.07 PROJECT/ SITE CONDITIONS

- A. Environmental Requirements: Install surfacing system within condition parameters as required by the manufacturer.

1.08 WARRANTY

- A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.
- B. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under contract documents.
- C. Warranty Period: non-prorated, 10 years, from date of Substantial Completion.

1.09 PRODUCT SUBSTITUTIONS

- A. Substitutions shall be submitted during bidding for review, and shall meet or exceed use and material product data of specified product. After contract award, requests for substitutions will be considered only in case of product unavailability or conditions beyond the control of the Contractor.

PART 2 PRODUCTS

2.01 SYNTHETIC TURF SURFACE

- A. Approved Manufacturers:
 - 1. Foreverlawn, Phone: 866.992.7876, www.foreverlawn.com
 - a. Type 1 Product: Playground Grass Academy
 - b. Type 2 Product: Playground Grass Ultra
 - c. Product: Standard PlayMound - 10'
 - 2. Approved equal.
- B. Synthetic turf carpet shall meet or exceed the following requirements:
 - 1. Face Weight: 48 ounces/ square yard, minimum
 - 2. Total Weight: 103 ounces/ square yard, minimum
 - 3. Tufted Pile Height: 1-1/2 inch
 - 4. Color(s): to be determined through samples

5. Tufting Gauge: 3/8 inch
 6. Backing: Three-layer, BioCel polyurethane with geotextile nonwoven fabric on dual layer primary
 7. Yarn Type, Primary: Polyethylene slit film
 8. Yarn Type, Secondary: Heat set textured nylon monofilament
 9. Yarn Count, Primary: 5,040/ 1
 10. Yarn Count, Secondary: 4,200/ 8
 11. Tufting Construction: Dual yarn, same row
 12. Roll Width: 15 feet
 13. Infill: Envirofill, ratio as required by manufacturer for approved system
 14. Antimicrobial Protection
- C. Underlayment System:
1. SafetyFoam Pro, closed cell expanded polypropylene panel, depth as required to meet critical fall height requirements.
 2. Standard PlayMound.
- D. Splicing Material: micromechanical bonding per manufacturer's recommendation for specified system.
- E. Adhesive: type as required by manufacturer for approved synthetic turf system.

2.02 DRAINAGE STONE:

- A. Base drainage stone to be placed over geotextile filter fabric shall meet the following criteria:
1. U.S. Standard Sieve Mesh, Allowable Range % Passing
 - a. 2 inch (50 mm), 100% passing
 - b. 1.5 inch (38 mm), 90-100% passing
 - c. 1 inch (25 mm), 75-100% passing
 - d. 3/4 inch (19 mm), 65-100% passing
- B. Finish drainage stone to be placed over base drainage stone shall be washed clean stone with a gradation range that meets the bridging requirements with the Base Drainage Stone.
1. U.S. Standard Sieve Mesh, Allowable Range % Passing
 - a. 1/2 inch (12.5 mm), 100% passing
 - b. 3/8 inch (9.5 mm), 95-100% passing
 - c. US #4 (4.75 mm), 70-85% passing
 - d. US #8 (2.36 mm), 45-60% passing
 - e. US #16 (1.18 mm), 25-40% passing
 - f. US #40 (0.425 mm), 2-12% passing
 - g. US #200 (0.075 mm), 0-3% passing

2.03 GEOTEXTILE FABRIC:

- A. Provide geotextile filter fabric over the subgrade and in the areas designated on the Drawings.
- B. Geotextile filter fabric: Mirafi 500X or approved equal.

2.04 SYNTHETIC TURF GROOMER/ SWEEPER:

- A. Provide a surface groomer/ sweeper as part of the work as recommended by the manufacturer for routine maintenance of the synthetic turf system. Provide training for Owner's staff in use of equipment.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Critical Fall Height: field verify requirements of play equipment.

3.02 BASE AND SYNTHETIC TURF CONSTRUCTION

- A. Comply with the requirements of the manufacturer and Contract Documents.
- B. General: The base shall be graded to provide smooth grade transitions, and shall provide proper drainage. Verify drainage system is performing effectively prior to proceeding with

synthetic turf system installation.

- C. Do not proceed with installation until unsuitable conditions are corrected.
- D. Nailer Board: Installation of composite board per site requirements.
 - 1. Concrete/ Masonry edges: Nailer board attached directly to vertical concrete edge with Tapcon hardware situated a distance below concrete grade to accommodate finish elevation of synthetic turf.
 - 2. Non-concrete edges: Nailer board installed with round, steel stake, 3 per 10' board. Top of nailer boards to be situated a distance below grade to accommodate finish elevation of synthetic turf.
- E. Geotextile fabric: After verification of survey and before the placement of drainage stone, geotextile fabric shall be placed over the entire subgrade per the Drawings and manufacturer's recommendations. The fabric folded over the subsurface drainage trenches shall be unfolded and overlaid on the subgrade fabric. Wrinkles should be removed and the fabric should as smooth as possible.
- F. Drainage Stone: Reference Drawings and manufacturer's requirements.
 - 1. Placement and compaction of Base and Finish Drainage stone shall be in lifts as indicated by material testing. The stone should be rolled after the placement of each lift of stone.
 - 2. After lifts of drainage base stone have been installed, this surface should be proof rolled to lock in and stabilize the drainage stone.
 - 3. Drainage stone throughout the field shall be carefully smoothed and compacted. The entire base surface shall then be examined for irregularities and adjusted to a uniform grade per the grading plans.
 - 4. Tolerance for Finish Stone: Finish stone elevations must be within 1/4 of an inch plus or minus from the elevations shown on the plans.
 - 5. Contractor shall be required to correct areas out of tolerance and certify that corrections have been made prior to synthetic turf installation.
- G. Underlayment System: install and secure underlayment systems per manufacturer's requirements.
 - 1. Comply with manufacturer's thickness required to accommodate critical fall height of play equipment and requirements of ASTM F1292.
- H. Synthetic Turf: Place turf and cut to fit configuration as shown on Drawings. Turf and seams shall be attached and secured as required by the manufacturer for best results.
- I. Anchoring/ Edging: Edges of turf shall be secured to composite tack strip. Turf shall be secured per manufacturer's requirements for best results.
- J. Infill: Apply infill as required by the manufacturer for the ballast. Install and secure to minimize wash-out.

3.03 FIELD QUALITY CONTROL

- A. Obtain the services of the manufacturer's field representative to review the finished installation for compliance with specified requirements; submit report of field review.
- B. Testing Agency: Contractor shall engage a qualified testing agency to perform tests and inspections.
- C. Contractor shall engage certified inspector to review installation and provide certification of compliance with requirements.
- D. Remove and replace synthetic turf if inspection results indicate that it does not comply with requirements.
- E. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with requirements.
- F. Repair or replace rejected work until compliance is achieved.

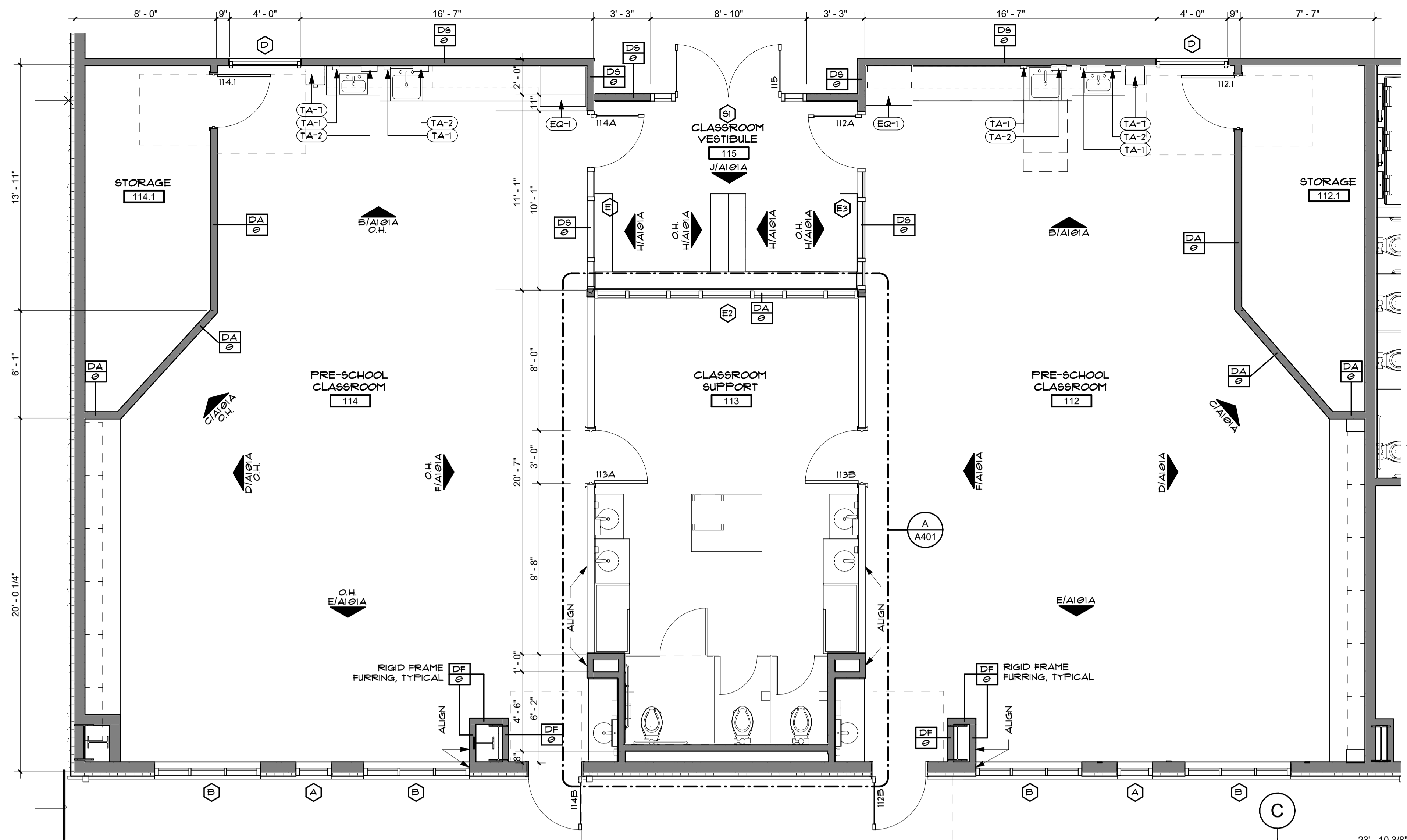
3.04 CLEANING AND PROTECTION

- A. Restore adjacent existing areas that have been damaged from the construction.

- B. Clean building and site of construction materials, dirt, stains, filings, and blemishes due to installation. Clean in accordance with manufacturer's instructions, using cleaning agents as recommended by manufacturer.
- C. Clean site area of excess construction materials, debris, and waste.
- D. Remove excess and waste material and dispose of off-site in accordance with requirements of authorities having jurisdiction.
- E. Protect installed products until Date of Substantial Completion.
- F. Replace damaged products before Date of Substantial Completion.

END OF SECTION

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PARTITION TYPES GRAPHICS CONVENTION

TYPICAL PARTITION WITH NO SPECIAL MATERIALS OR RATINGS

FIRE RATED PARTITIONS USE STRIPES TO CONVEY HOURS

PARTITIONS WITH COMBINED FIRE RATING & SMOKE RESISTANCE

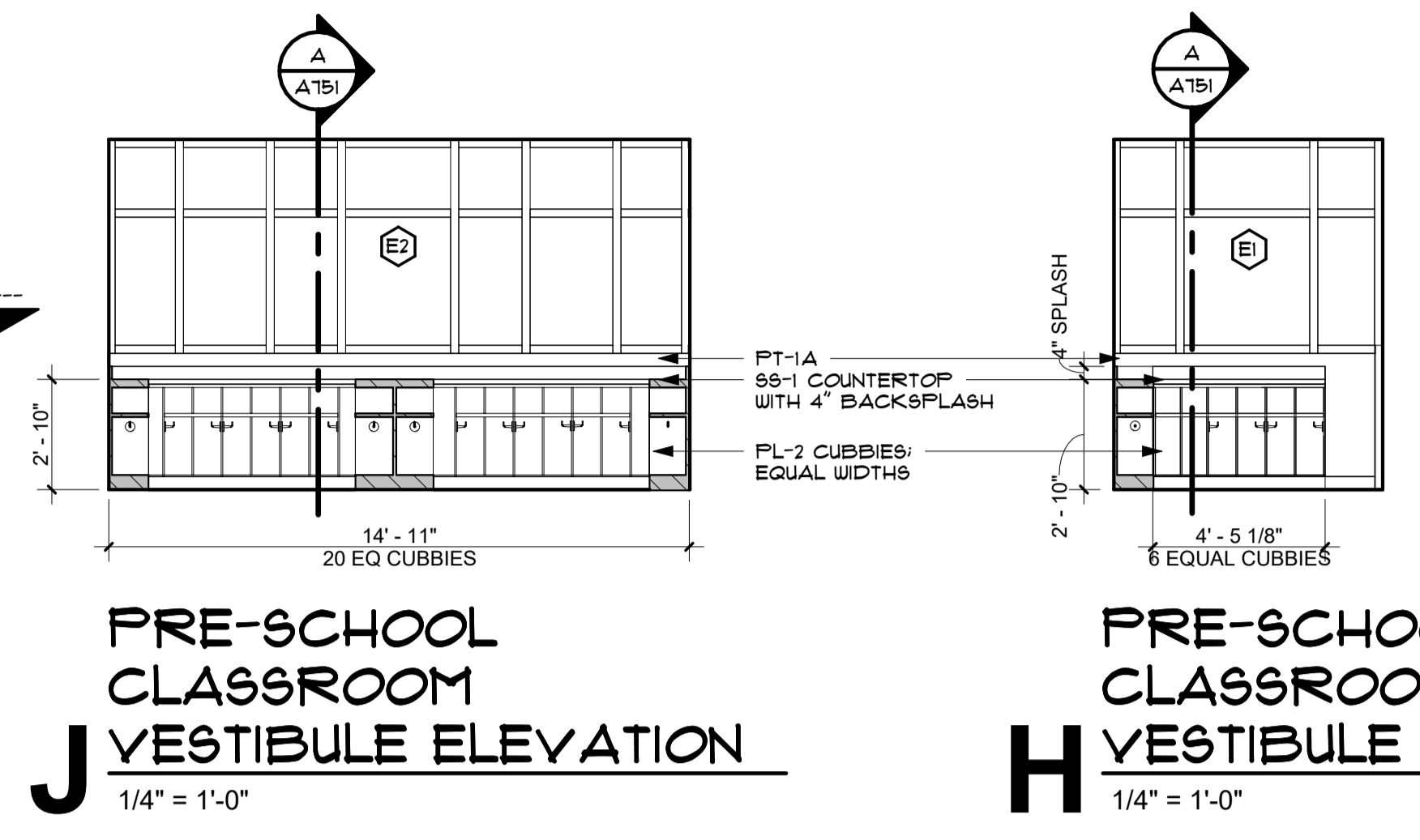
RATINGS MAY BE COMBINED WITH SPECIAL WALL MATERIALS: EX

PARTITION TYPES NAMING CONVENTION

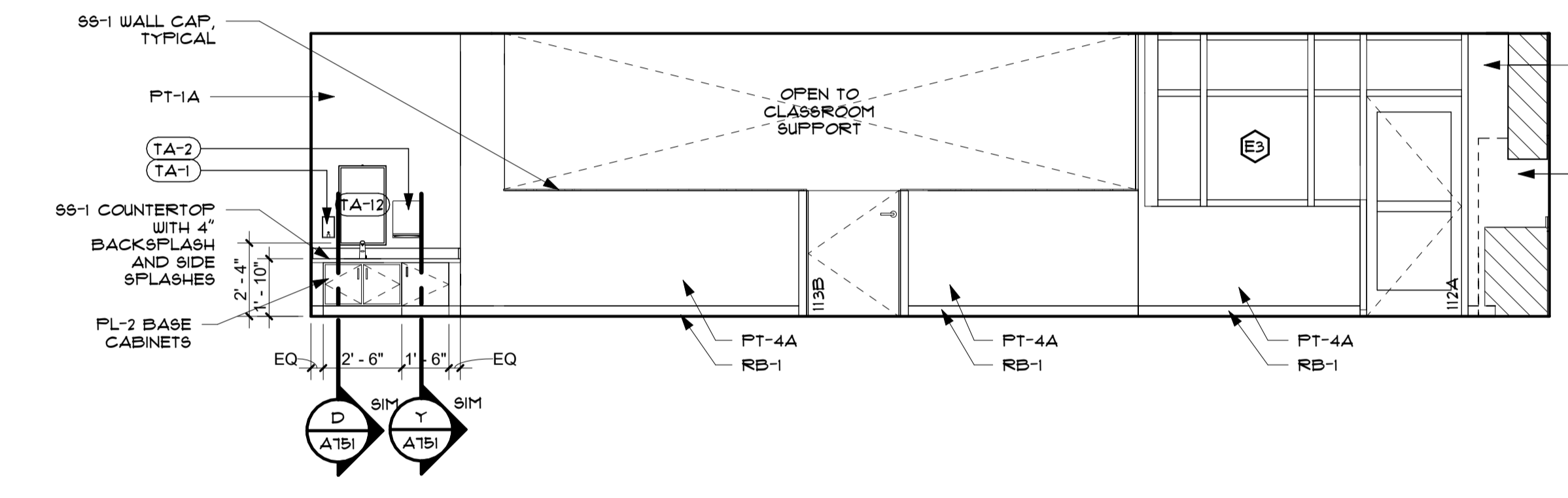
STRUCTURE SUB-TYPE

EXAMPLE

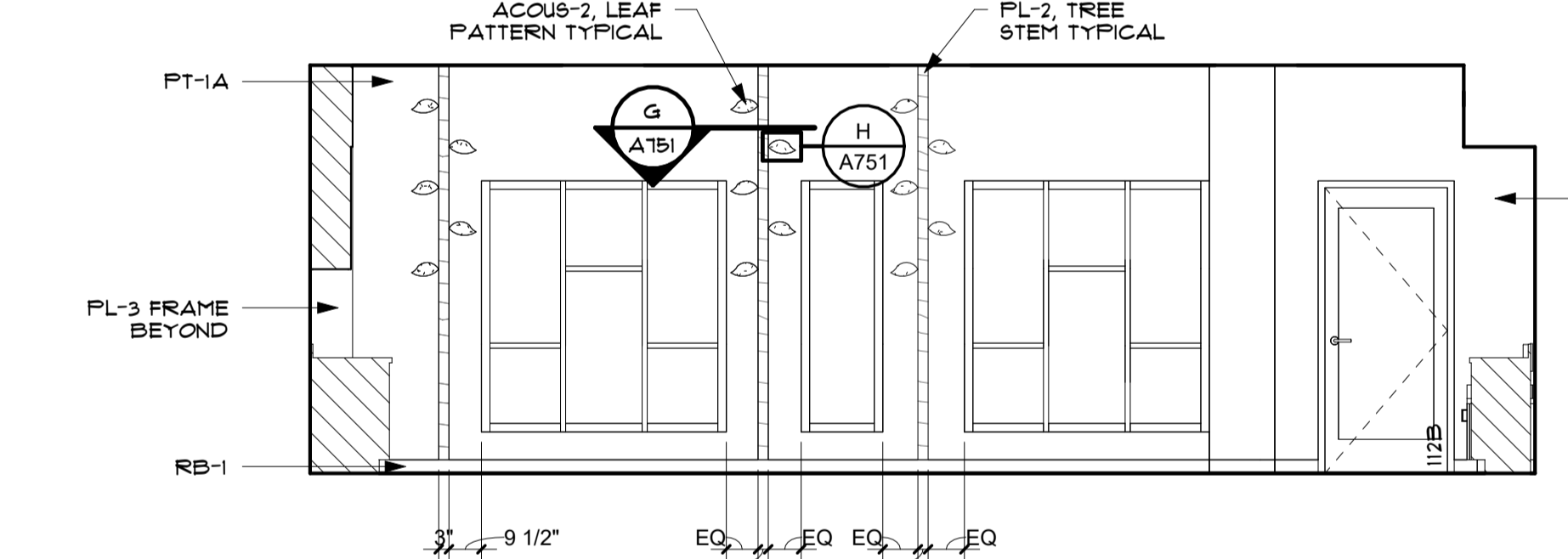
- FLOOR PLAN GENERAL NOTES**
- ALL INTERIOR DIMENSIONS ARE TO THE FACE OF STUD, UNLESS NOTED OTHERWISE. DO NOT SCALE DRAWINGS. CONTACT ARCHITECT FOR CLARIFICATION.
 - ALL EXTERIOR DIMENSIONS ARE FROM FACE OF EXTERIOR FINISH, UNLESS NOTED OTHERWISE.
 - UNLESS DIMENSIONED OTHERWISE, ALIGN PARTITIONS ON GRIDLINES WITH CENTERLINE OF STUD.
 - INTERIOR PARTITIONS ARE TYPE XXXX UNLESS NOTED OTHERWISE. REFER TO SHEET A400 FOR PARTITION TYPES.
 - WHEN WALL PARTITIONS OF DIFFERENT FIRE OR SOUND RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL TAKE PRECEDENCE.
 - WHERE EQUIPMENT IS SHOWN IN DASHED AND / OR HALFTONE, IT SHALL BE OWNER FURNISHED, UNLESS NOTED OTHERWISE. EQUIPMENT, WHERE SHOWN, IS FOR COORDINATION AND BACKING PURPOSES ONLY. OWNER MAKES AND CHECKS WITH OWNER. VERIFY EQUIPMENT ROUGH-IN DIMENSIONS WITH MANUFACTURER. COORDINATE UTILITIES FOR EQUIPMENT WITH OWNER'S EQUIPMENT AND HELP DOCUMENTS. CONTRACTOR TO VERIFY AND COORDINATE ALL EQUIPMENT WITH OWNER, INCLUDING BUT NOT LIMITED TO WEIGHT, LOCATION, BACKING REQUIREMENTS, POWER AND CLEARANCES.
 - REFER TO SHEET A400 FOR DOOR SCHEDULE AND DETAILS.
 - REFER TO SHEET 0101 FOR FINISH INFORMATION, SCHEDULES, AND DETAILS.
 - REFER TO A400 SERIES SHEETS FOR EXTERIOR ELEVATIONS.
 - REFER TO A400 SERIES SHEETS FOR ENLARGED PLANS.



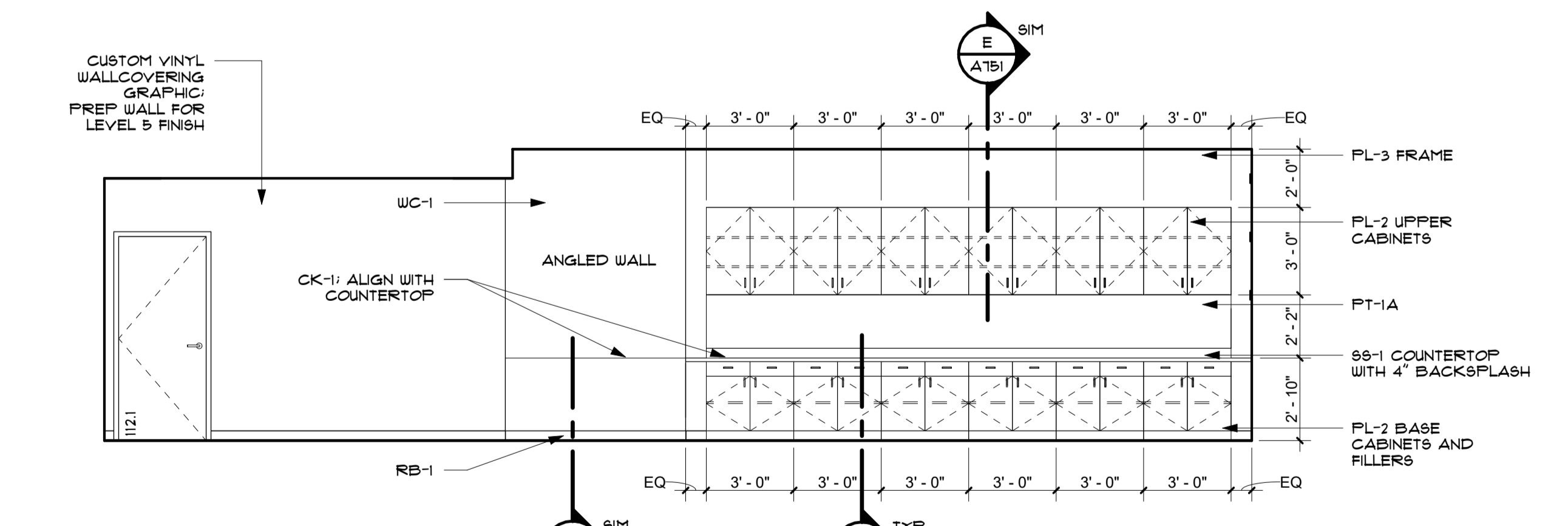
G PRE-SCHOOL CLASSROOM ENLARGED PLAN - TYPICAL
1/4" = 1'-0"
REF FROM: A / A101A



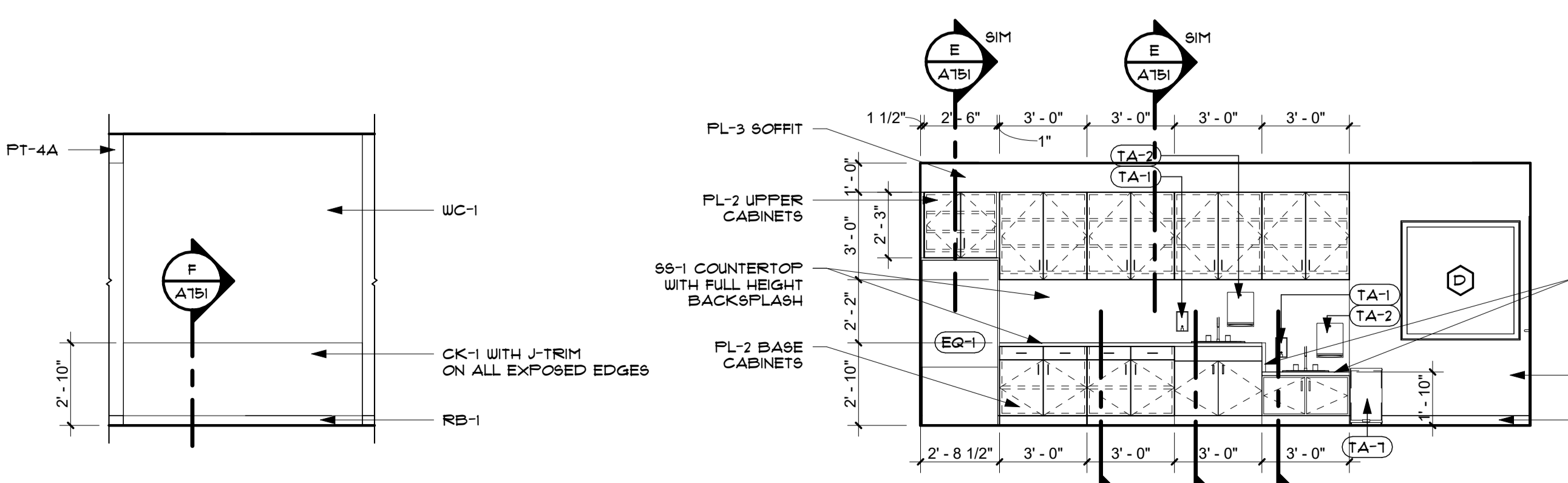
F PRE-SCHOOL CLASSROOM ELEVATION
1/4" = 1'-0"



E PRE-SCHOOL CLASSROOM ELEVATION
1/4" = 1'-0"

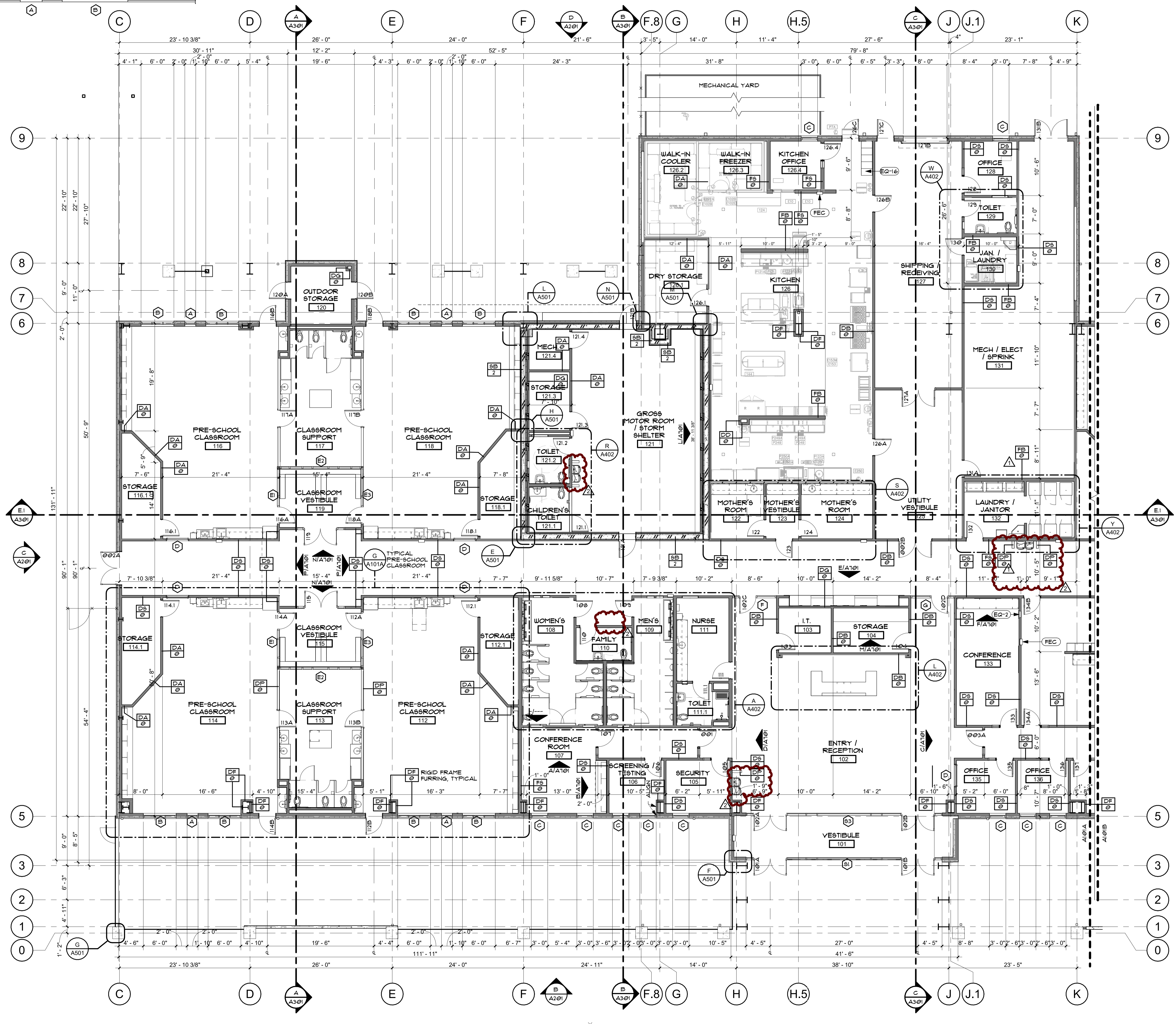


D PRE-SCHOOL CLASSROOM ELEVATION
1/4" = 1'-0"

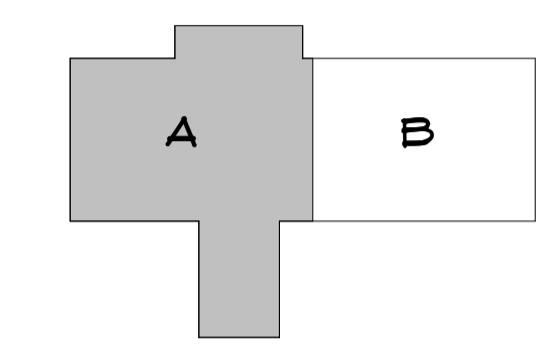


C PRE-SCHOOL CLASSROOM ELEVATION
1/4" = 1'-0"

B PRE-SCHOOL CLASSROOM ELEVATION
1/4" = 1'-0"



A FLOOR PLAN - AREA A
1/8" = 1'-0"



CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER
19244 COUNTRY CLUB DRIVE, CATOOSA, OKLAHOMA 74015

A101A
FIRST FLOOR PLAN - AREA A

blueriver ARCHITECTS
A Native American Owned Firm

BLR REVISED PROJECT NUMBER: 20230011
ISSUE DATE: 08/16/2024
ISSUE: CONSTRUCTION DOCUMENTS

OTHER ISSUE DATES:
NO. DESCRIPTION DATE
1 Addition 1 08/22/2024
2 Addition 3 09/12/2024

SHEET NAME: **FIRST FLOOR PLAN - AREA A**

SHEET NUMBER: **A101A**

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CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER
19244 COUNTRY CLUB DRIVE, CATOOSA, OKLAHOMA 74015

A101B
FIRST FLOOR PLAN - AREA B



BLUE RIVER PROJECT NUMBER
202300111

ISSUE DATE:
08/16/2024

ISSUE:
CONSTRUCTION DOCUMENTS

OTHER ISSUE DATES:

NO. DESCRIPTION DATE

1 Addendum 3 09/12/2024

SHEET NAME:
FIRST FLOOR PLAN - AREA B

A101B

SHEET NUMBER:
A101B

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FLOOR PLAN GENERAL NOTES

- ALL INTERIOR DIMENSIONS ARE TO THE FACE OF STUD, UNLESS NOTED OTHERWISE. DO NOT SCALE DRAWINGS. CONTACT ARCHITECT FOR CLARIFICATION.
- ALL EXTERIOR DIMENSIONS ARE FROM FACE OF EXTERIOR FINISH, UNLESS NOTED OTHERWISE.
- UNLESS DIMENSIONED OTHERWISE, ALIGN PARTITIONS ON GRIDLINES WITH CENTERLINE OF STUD.
- INTERIOR PARTITIONS ARE TYPE XXXX UNLESS NOTED OTHERWISE. REFER TO SHEET A400 FOR PARTITION TYPES.
- WHEN WALL PARTITIONS OF DIFFERENT FIRE OR SOUND RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL TAKE PRECEDENCE.
- WHERE EQUIPMENT IS SHOWN IN DASHED AND / OR HALFTONE, IT SHALL BE OWNER FURNISHED, OWNER INSTALLED UNLESS NOTED OTHERWISE. EQUIPMENT, WHERE SHOWN, IS FOR COORDINATION AND BACKING PURPOSES ONLY. OWNER MAKES AND HOLDS WITH OWNER. CONTRACTOR TO VERIFY AND COORDINATE ALL EQUIPMENT WITH OWNER, INCLUDING BUT NOT LIMITED TO WEIGHT, LOCATION, BACKING REQUIREMENTS, POWER AND CLEARANCES.
- REFER TO SHEET A400 FOR DOOR SCHEDULE AND DETAILS.
- REFER TO SHEET A100 FOR FINISH INFORMATION, SCHEDULES, AND DETAILS.
- REFER TO A400 SERIES SHEETS FOR EXTERIOR ELEVATIONS.
- REFER TO A400 SERIES SHEETS FOR ENLARGED PLANS.

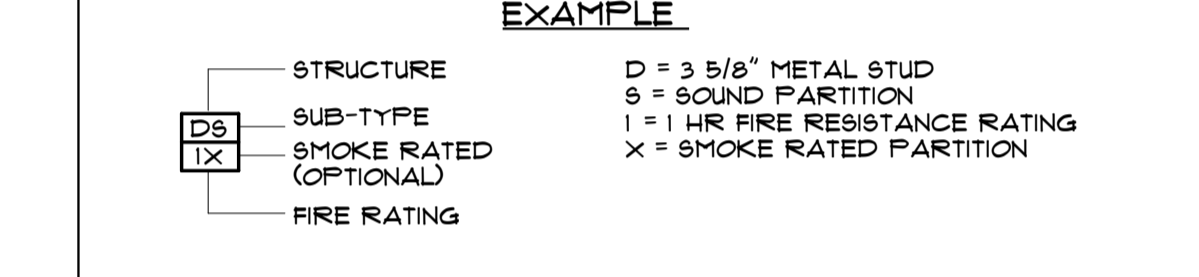
PARTITION TYPES NAMING CONVENTION

STRUCTURE	SUB-TYPE
A 1/2" HAT CHANNEL	A 6" ABOVE CEILING, BRACED HEAD (OR STR TO STRUCTURE ABOVE IF UNDER 14")
B 1/2" METAL STUD	B TO UNDERSIDE OF STRUCTURE ABOVE
C 1/2" METAL STUD	C STR TO UNDERSIDE OF STRUCTURE ABOVE, GYP TO 6" ABOVE CEILING
D 3/8" METAL STUD	D STR TO UNDERSIDE OF STRUCTURE ABOVE, GYP TO 6" ABOVE CEILING
E 3/8" METAL STUD	E STR TO UNDERSIDE OF STRUCTURE ABOVE, GYP TO 6" ABOVE CEILING
F 3/8" METAL STUD	F OTHER SIDE TO 6" ABOVE CEILING
G 3/8" METAL STUD	G FURRING 6" ABOVE CEILING
H 2 1/2" METAL STUD	H FURRING TO UNDERSIDE OF STRUCTURE
I 2 1/2" METAL STUD	I FURRING PARTIAL HEIGHT
J 2 1/2" METAL STUD	J PARTIAL HEIGHT
K 1" METAL STUD	K SHEAR WALL; REFER TO STRUCTURAL
L 1" METAL STUD	L SOUND TO STRUCTURE ABOVE, SOUND BATS
M 1" CMU	M CMU

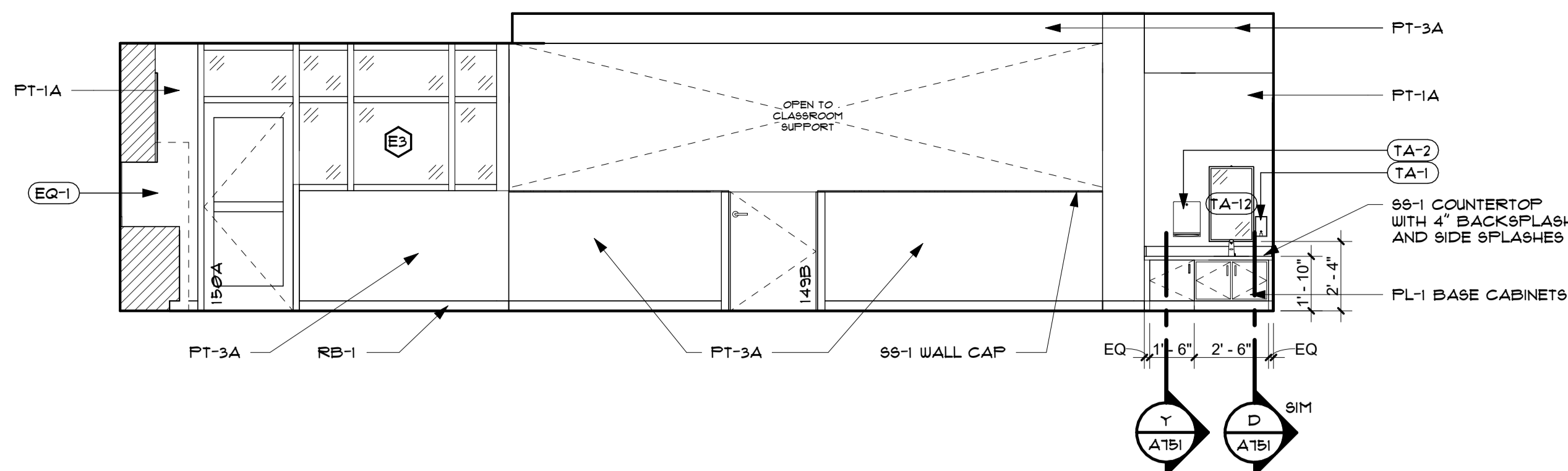
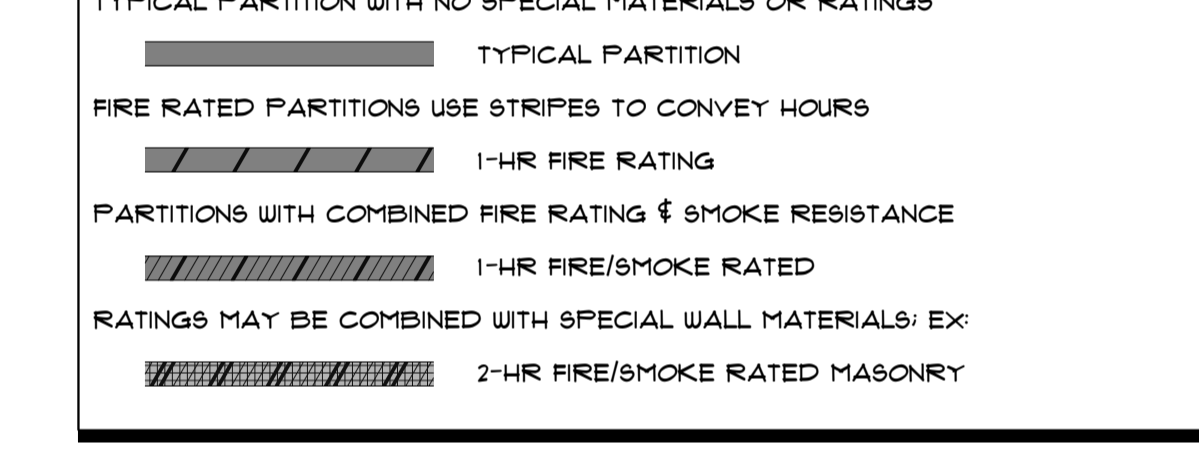
FIRE RESISTANCE RATING

- 0 NON-RATED
- 1 HOUR
- 2 HOUR
- 3 HOUR

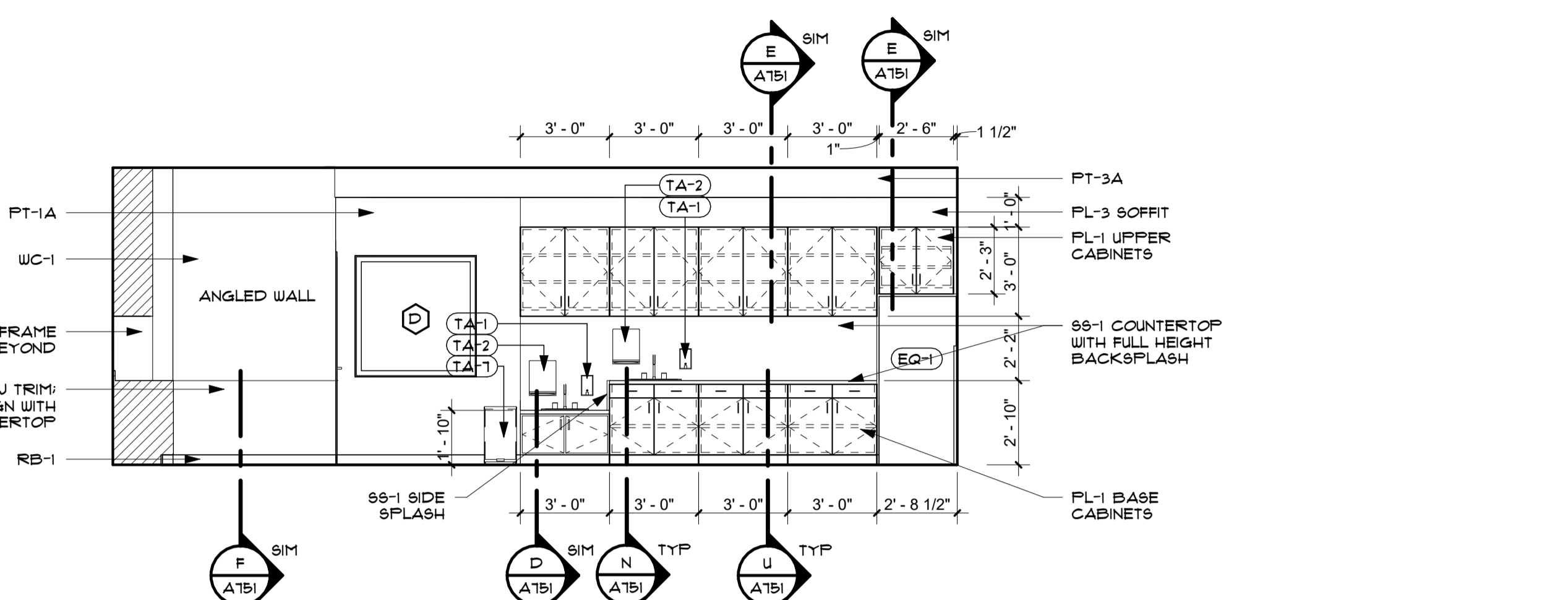
EXAMPLE



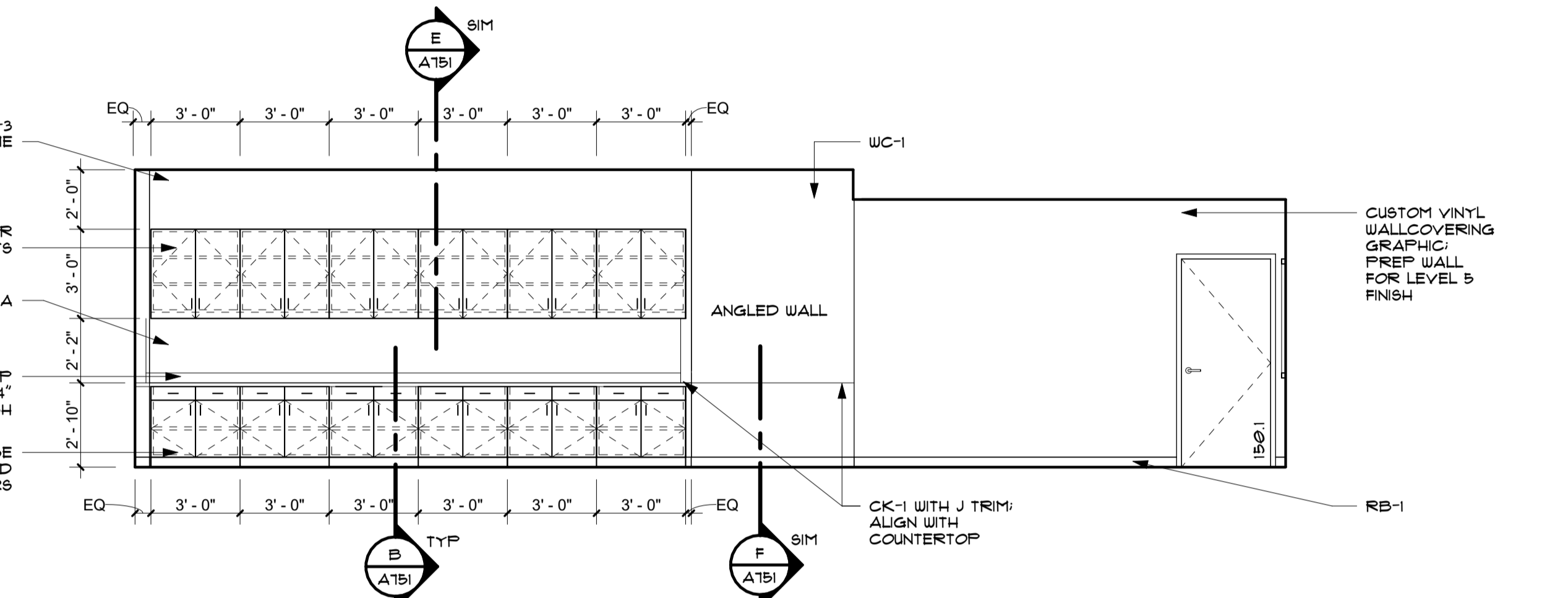
PARTITION TYPES GRAPHICS CONVENTION



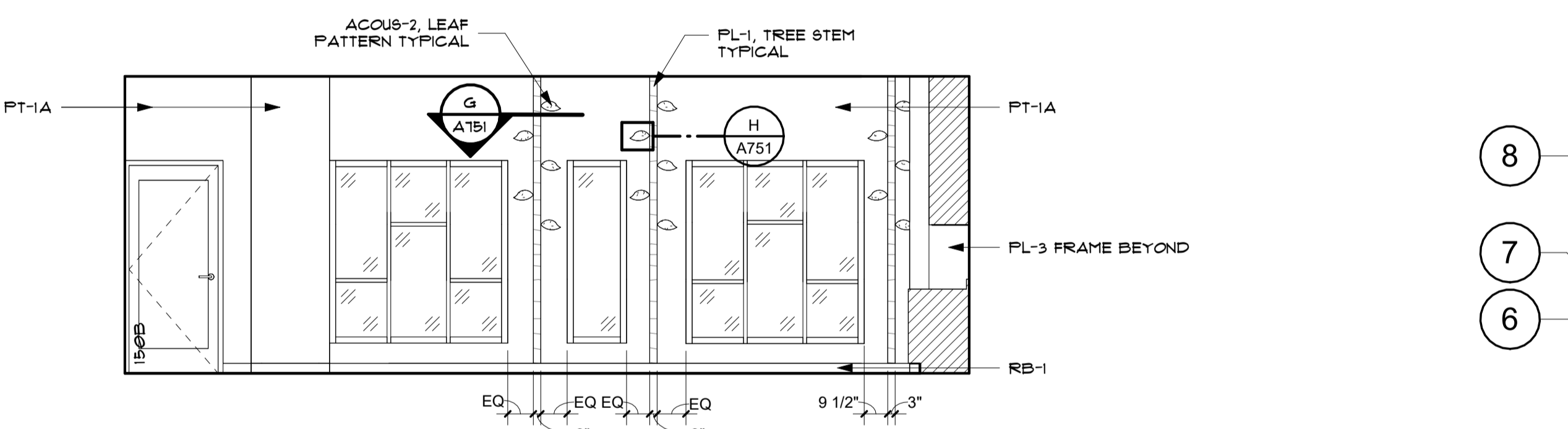
G INFANT / TODDLER CLASSROOM ELEVATION
1/4" = 1'-0"



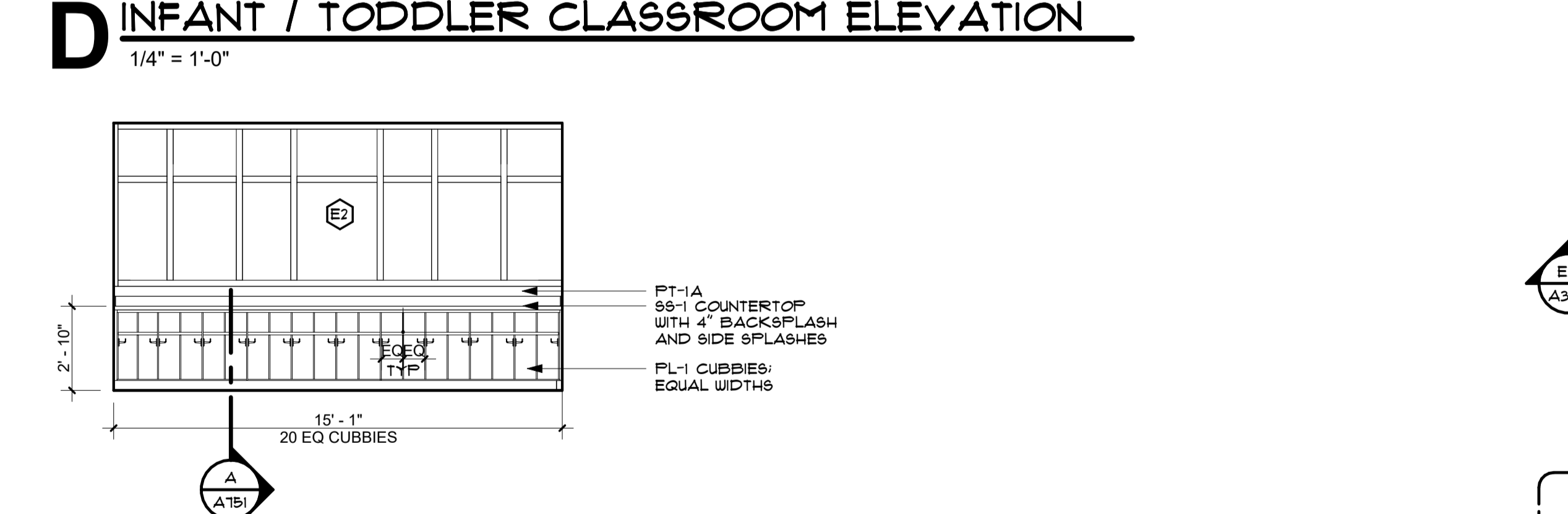
F INFANT / TODDLER CLASSROOM ELEVATION
1/4" = 1'-0"



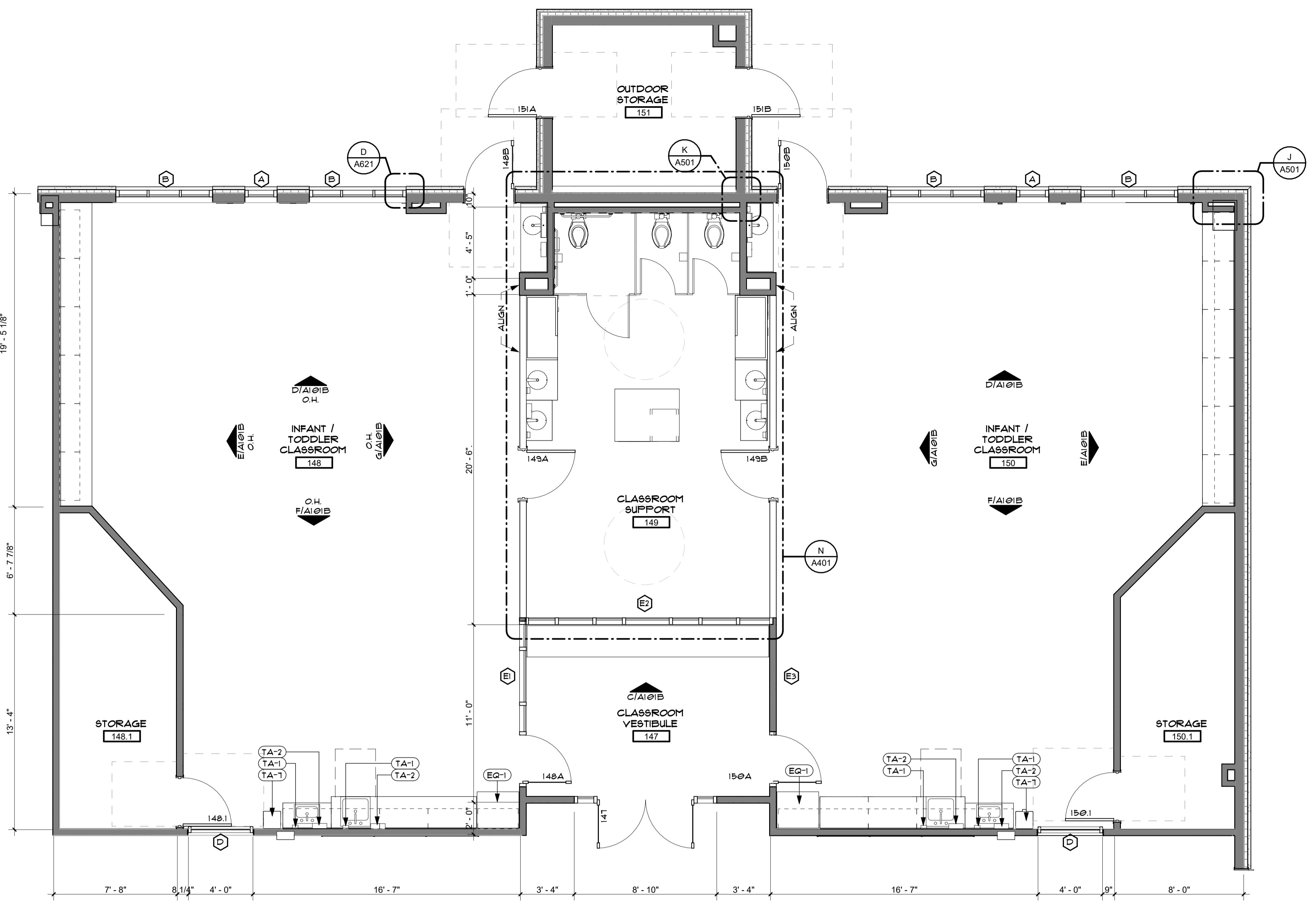
E INFANT / TODDLER CLASSROOM ELEVATION
1/4" = 1'-0"



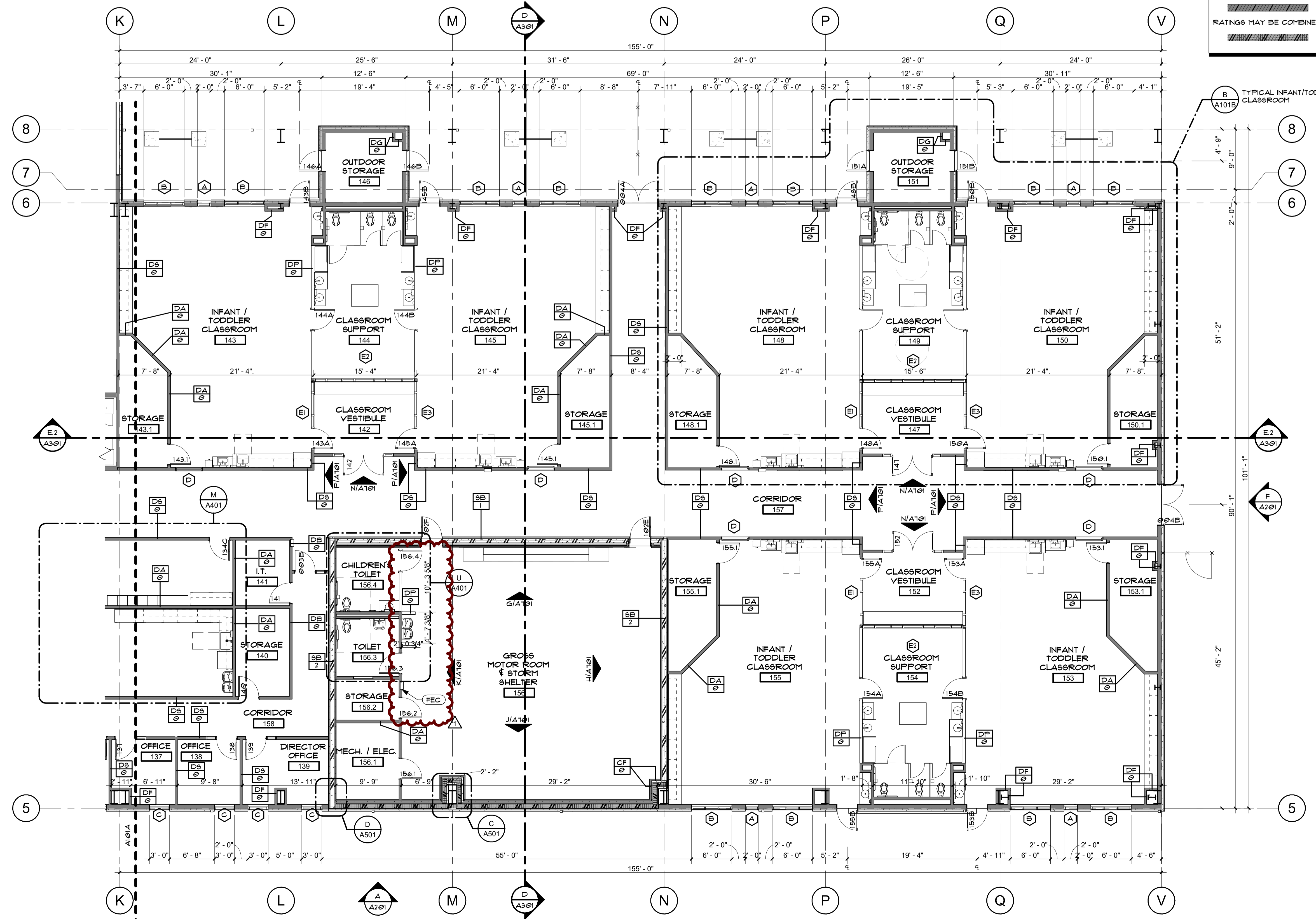
D INFANT / TODDLER CLASSROOM ELEVATION
1/4" = 1'-0"



C INFANT / TODDLER CLASSROOM VESTIBUL ELEVATION
1/4" = 1'-0"



B INFANT/TODDLER CLASSROOM ENLARGED PLAN - TYPICAL
1/4" = 1'-0"
REF FROM: A / A101B



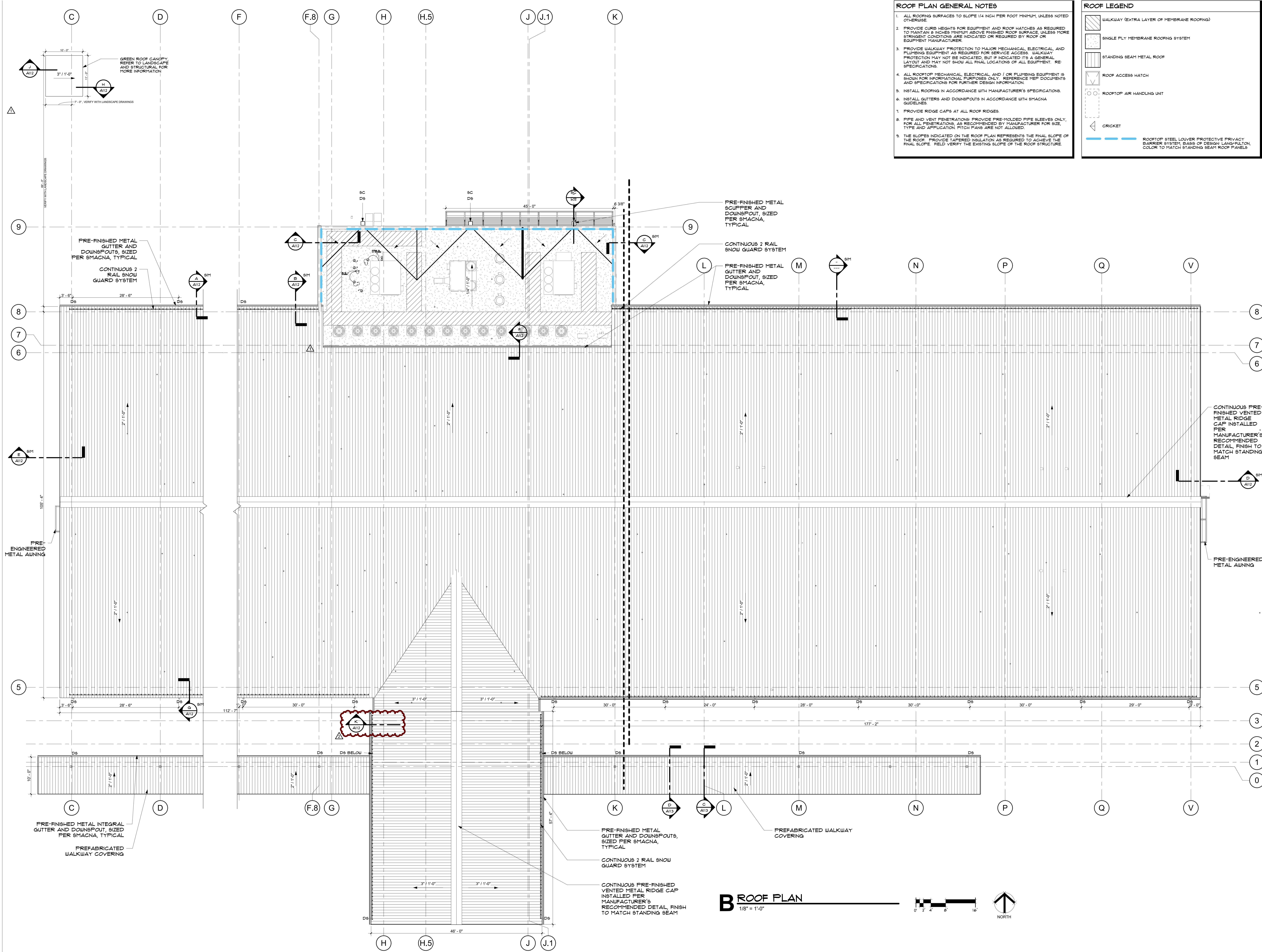
A FLOOR PLAN - AREA B
1/8" = 1'-0"

08/16/2024 9:58:43 AM

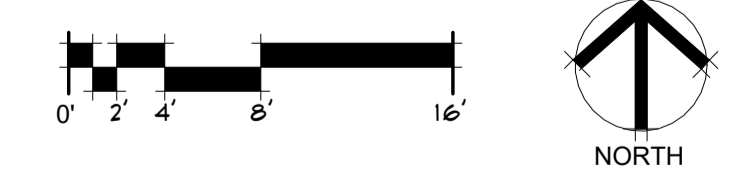
- ROOF PLAN GENERAL NOTES**
1. ALL ROOFING SURFACES TO SLOPE 1/4 INCH PER FOOT MINIMUM, UNLESS NOTED OTHERWISE.
 2. PROVIDE CURB HEIGHTS FOR EQUIPMENT AND ROOF HATCHES AS REQUIRED TO MAINTAIN 8 INCHES MINIMUM ABOVE FINISHED ROOF SURFACE, UNLESS MORE STRINGENT CONDITIONS ARE INDICATED OR REQUIRED BY ROOF OR EQUIPMENT MANUFACTURER.
 3. PROVIDE WALKWAY PROTECTION TO MAJOR MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT AS REQUIRED FOR SERVICE ACCESS. WALKWAY PROTECTION MAY NOT BE INDICATED, BUT IF INDICATED ITS A GENERAL LAYOUT AND MAY NOT SHOW ALL FINAL LOCATIONS OF ALL EQUIPMENT. RE SPECIFICATIONS.
 4. ALL ROOFTOP MECHANICAL, ELECTRICAL, AND / OR PLUMBING EQUIPMENT IS SHOWN FOR INFORMATIONAL PURPOSES ONLY. REFERENCE MEP DOCUMENTS AND SPECIFICATIONS FOR FURTHER DESIGN INFORMATION.
 5. INSTALL ROOFING IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 6. INSTALL GUTTERS AND DOWNSPOUTS IN ACCORDANCE WITH SHACNA GUIDELINES.
 7. PROVIDE RIDGE CAPS AT ALL ROOF RIDGES.
 8. PIPE AND VENT PENETRATIONS: PROVIDE PRE-MOLDED PIPE SLEEVES ONLY, FOR ALL PENETRATIONS, AS RECOMMENDED BY MANUFACTURER FOR SIZE, TYPE AND APPLICATION. PITCH PANS ARE NOT ALLOWED.
 9. THE SLOPES INDICATED ON THE ROOF PLAN REPRESENTS THE FINAL SLOPE OF THE ROOF. PROVIDE TAPERED INSULATION AS REQUIRED TO ACHIEVE THE FINAL SLOPE. FIELD VERIFY THE EXISTING SLOPE OF THE ROOF STRUCTURE.

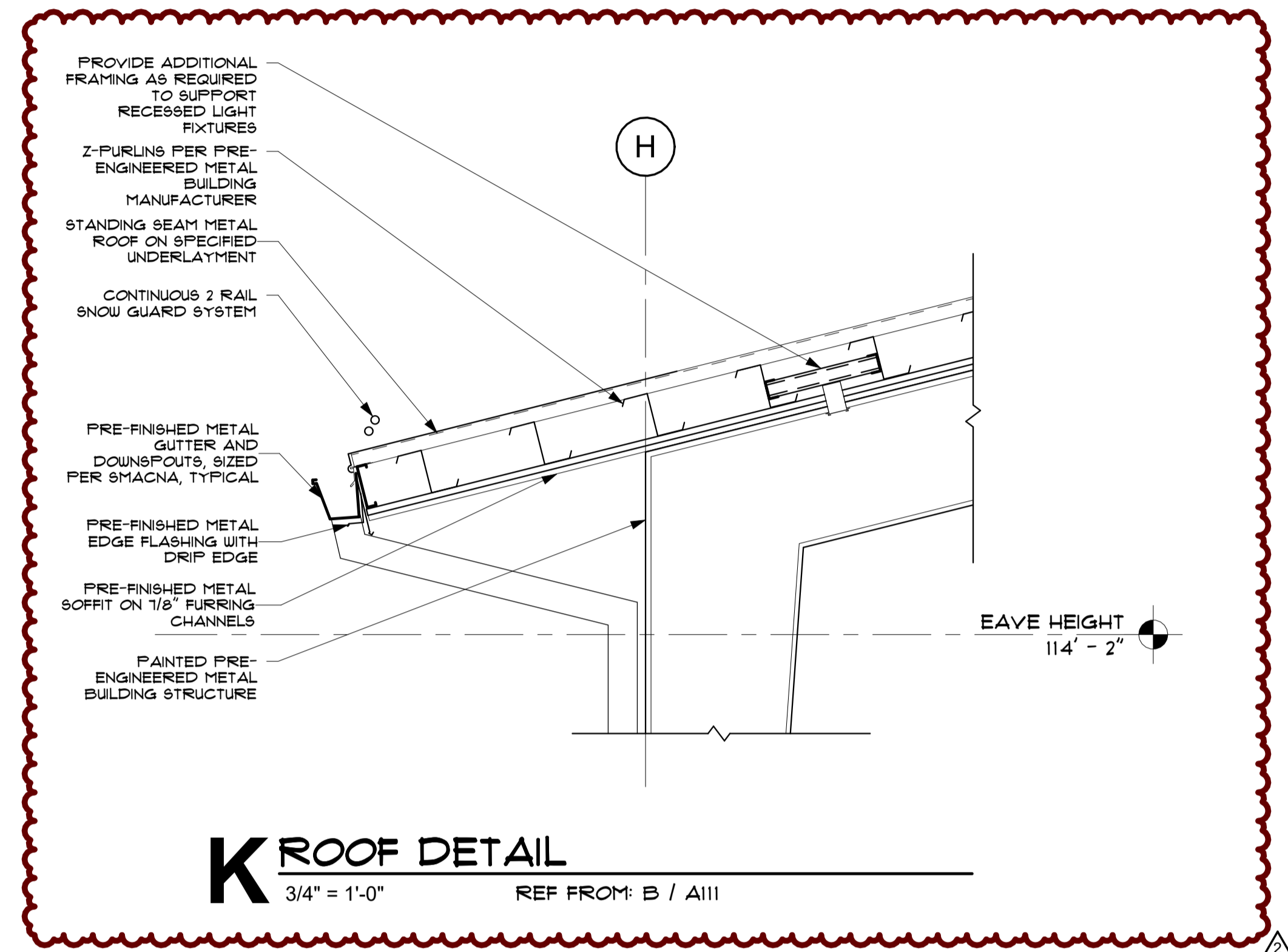
ROOF LEGEND

- WALKWAY (EXTRA LAYER OF MEMBRANE ROOFING)
- SINGLE PLY MEMBRANE ROOFING SYSTEM
- STANDING SEAM METAL ROOF
- ROOF ACCESS HATCH
- ROOFTOP AIR HANDLING UNIT
- CRICKET
- ROOFTOP STEEL LOUVER PROTECTIVE PRIVACY BARRIER SYSTEM, BASE OF DESIGN LANG-FULTON, COLOR TO MATCH STANDING SEAM ROOF PANELS

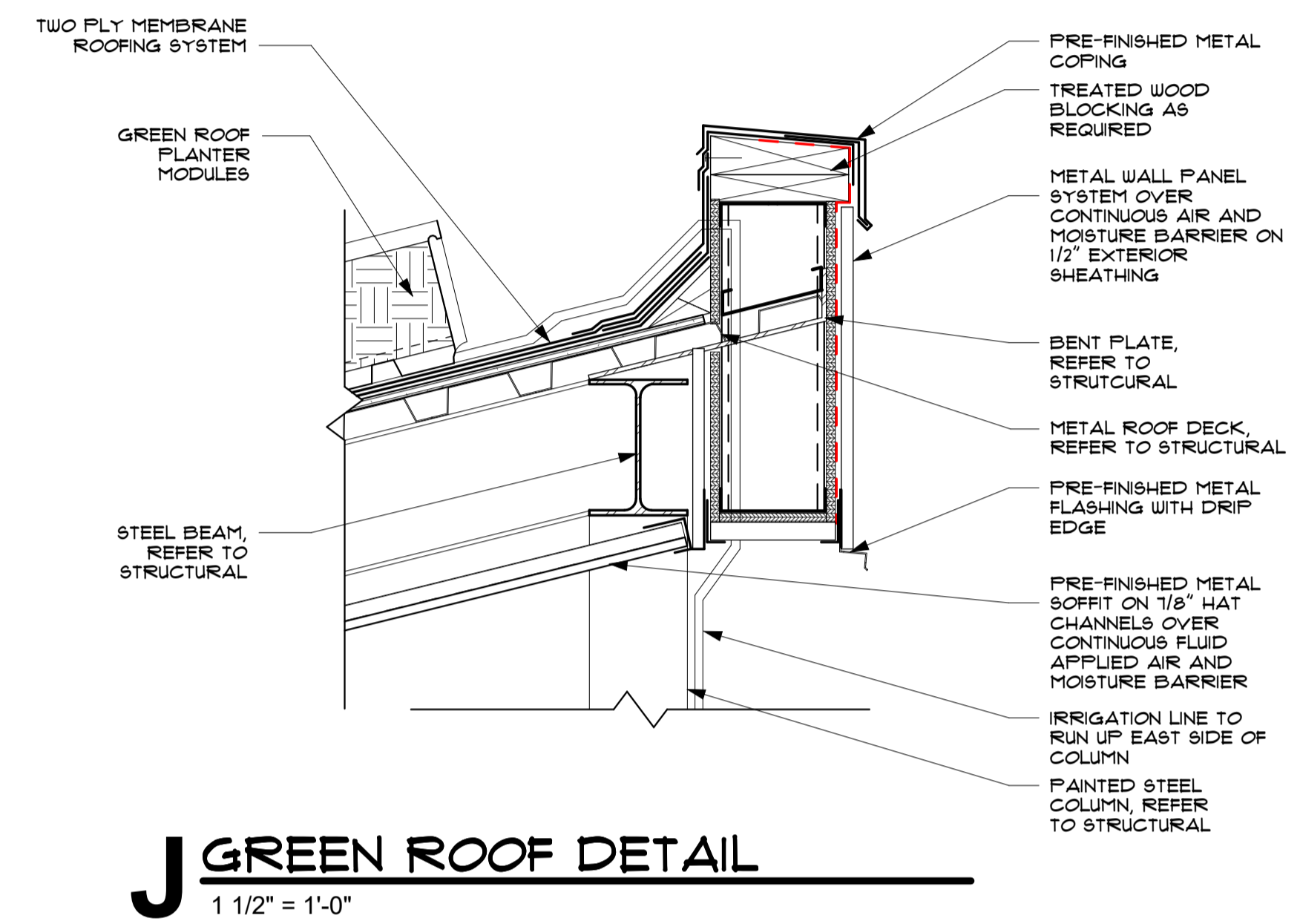


B ROOF PLAN
1/8" = 1'-0"

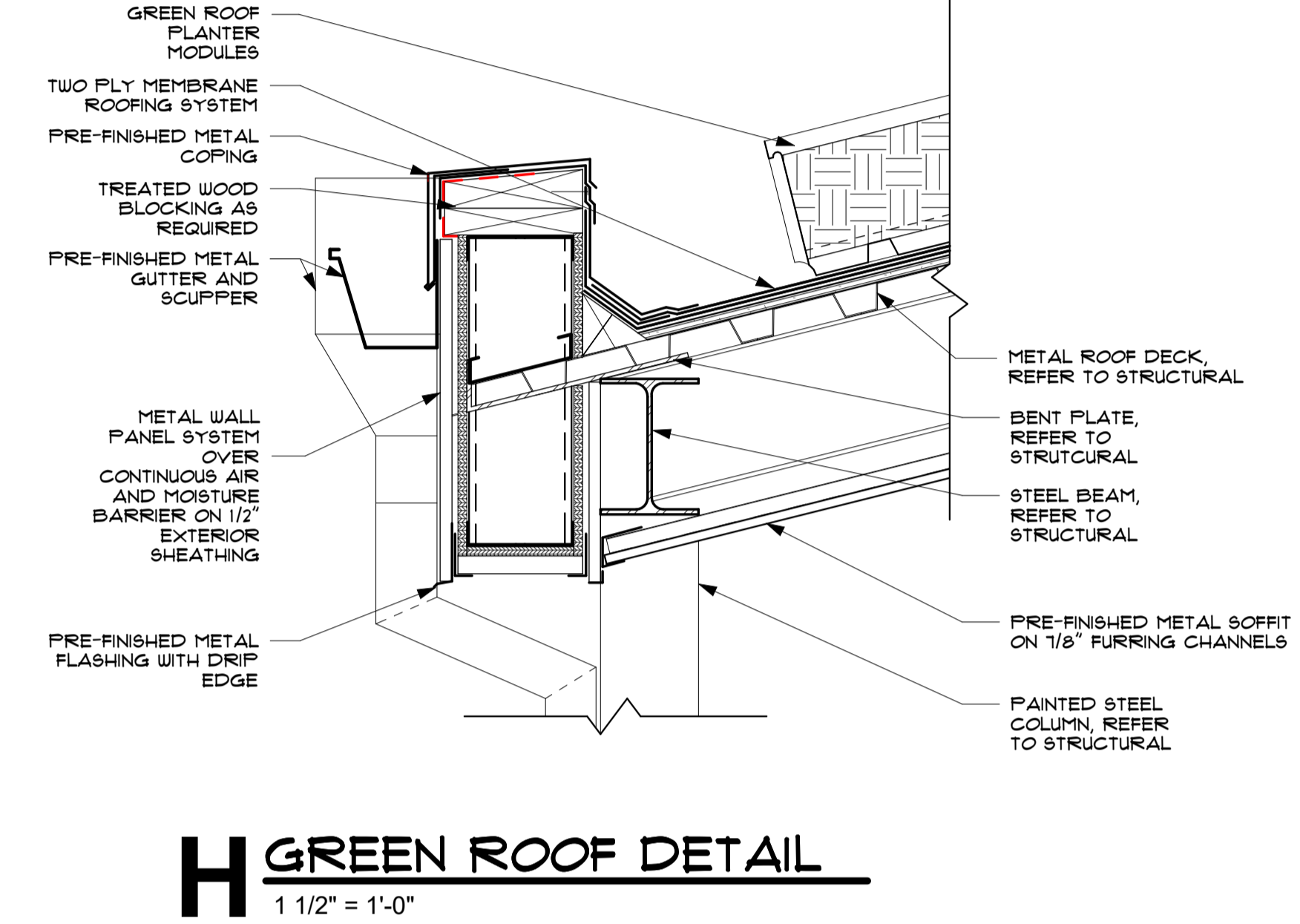




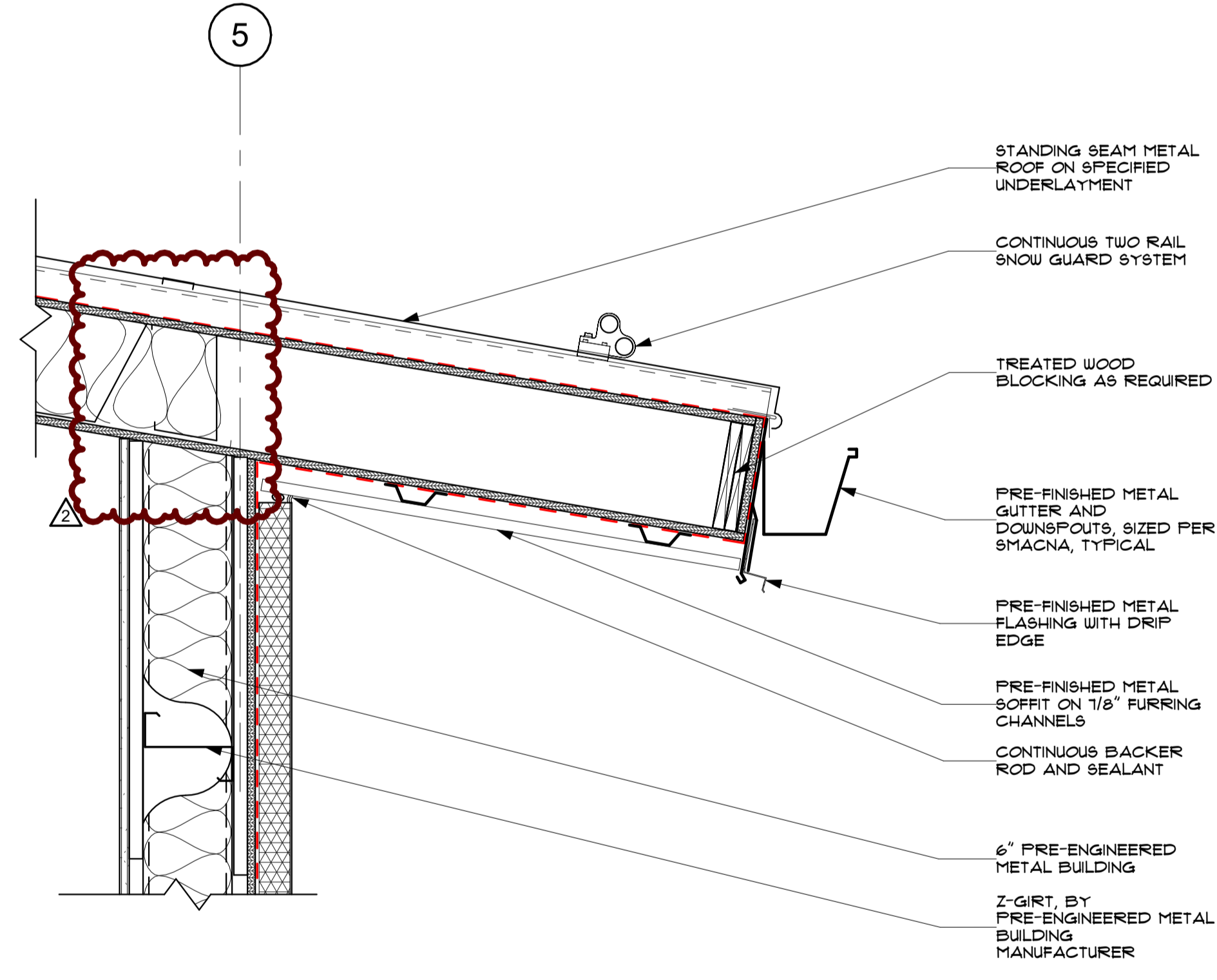
K ROOF DETAIL
3/4" = 1'-0"
REF FROM: B / A111



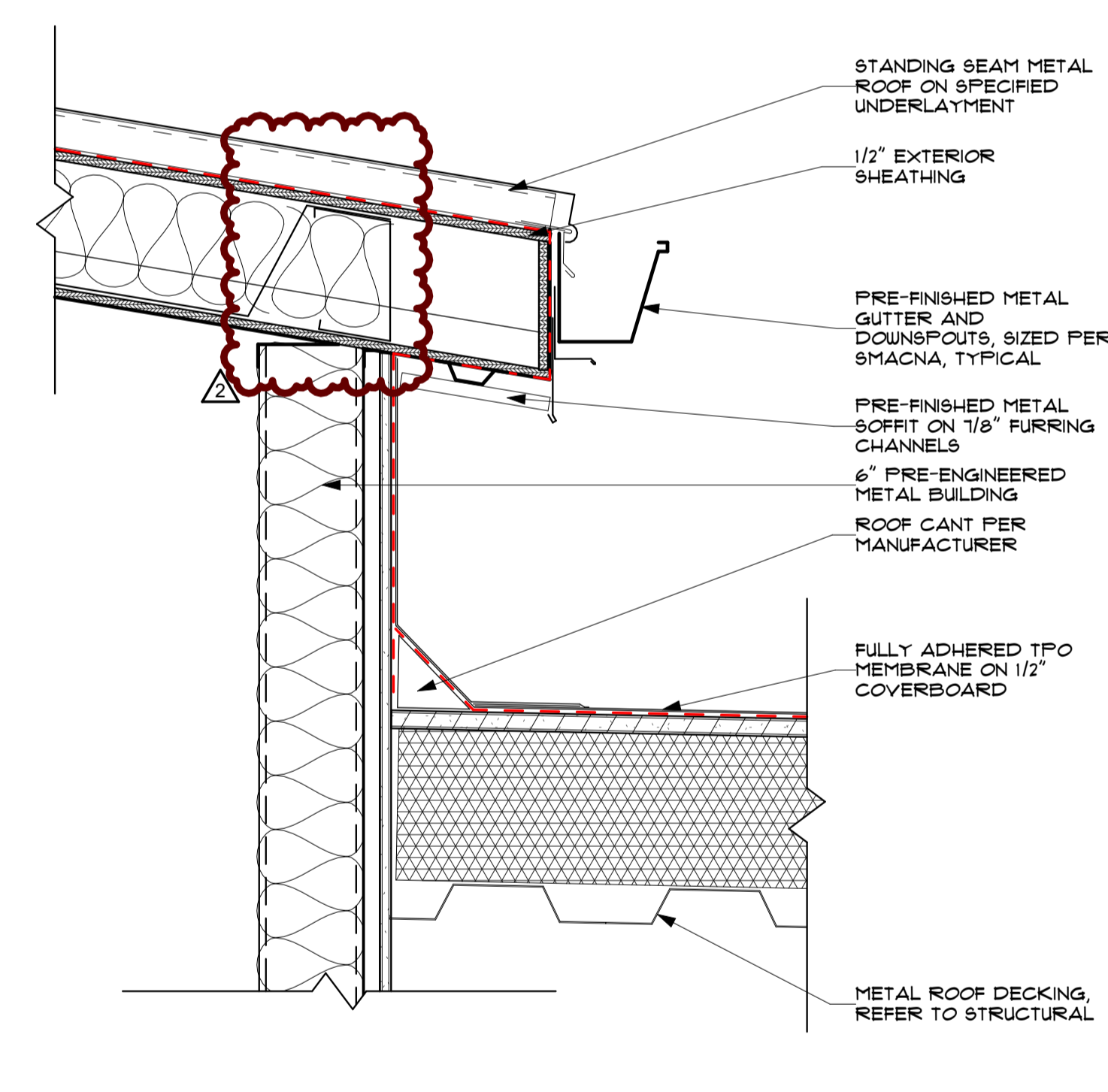
J GREEN ROOF DETAIL
1 1/2" = 1'-0"



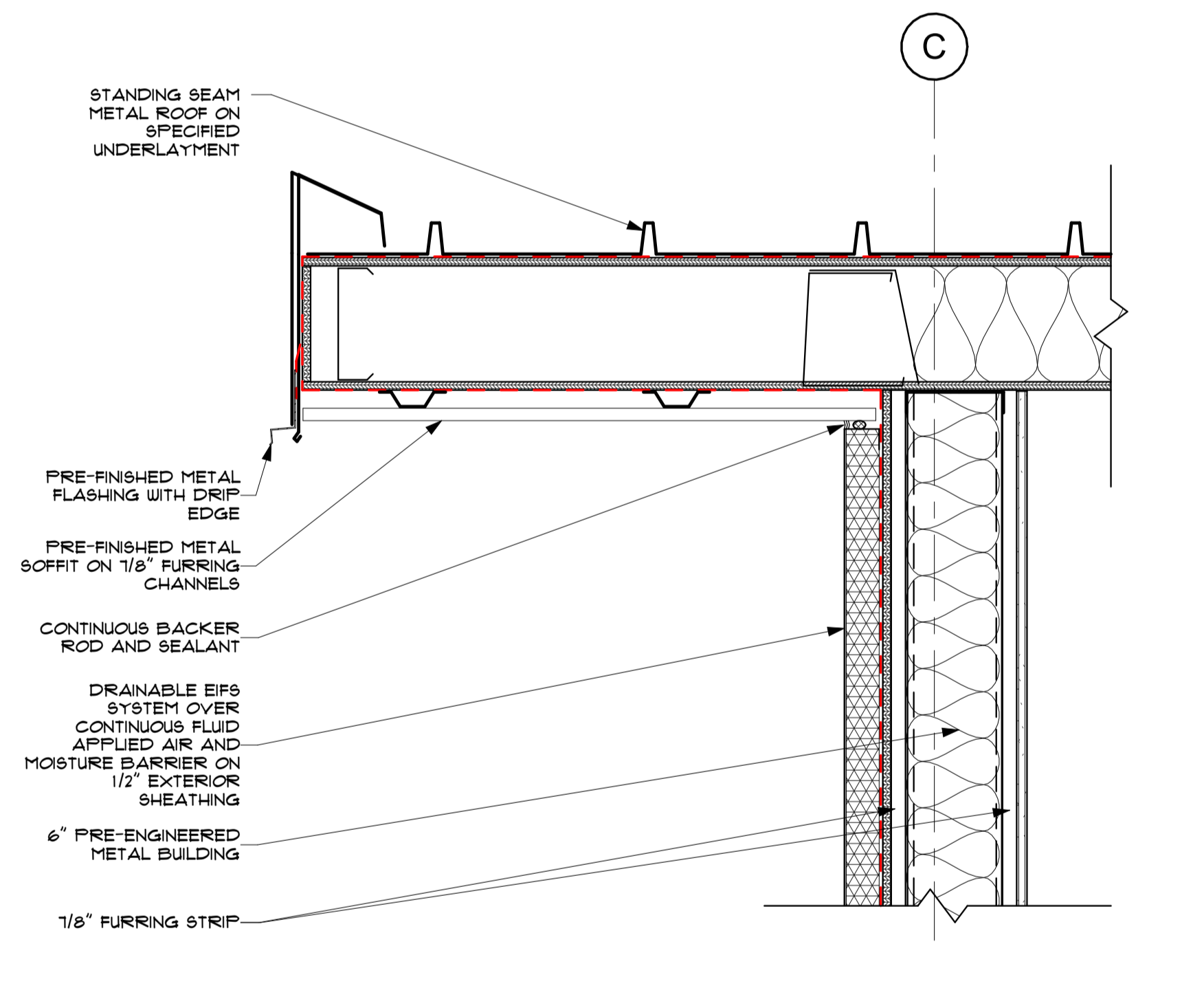
H GREEN ROOF DETAIL
1 1/2" = 1'-0"



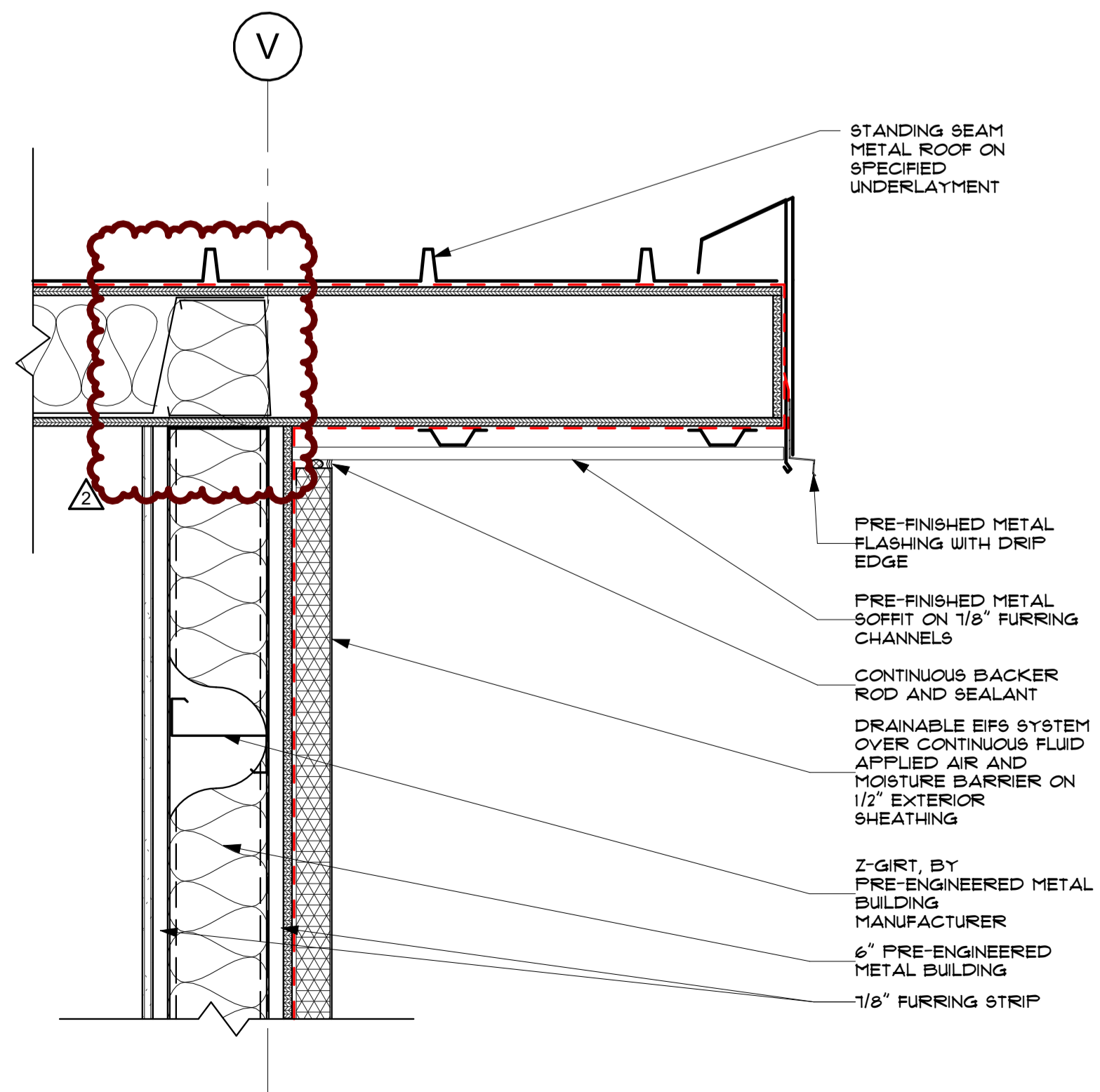
G ROOF DETAIL
1 1/2" = 1'-0"
REF FROM: B / A111



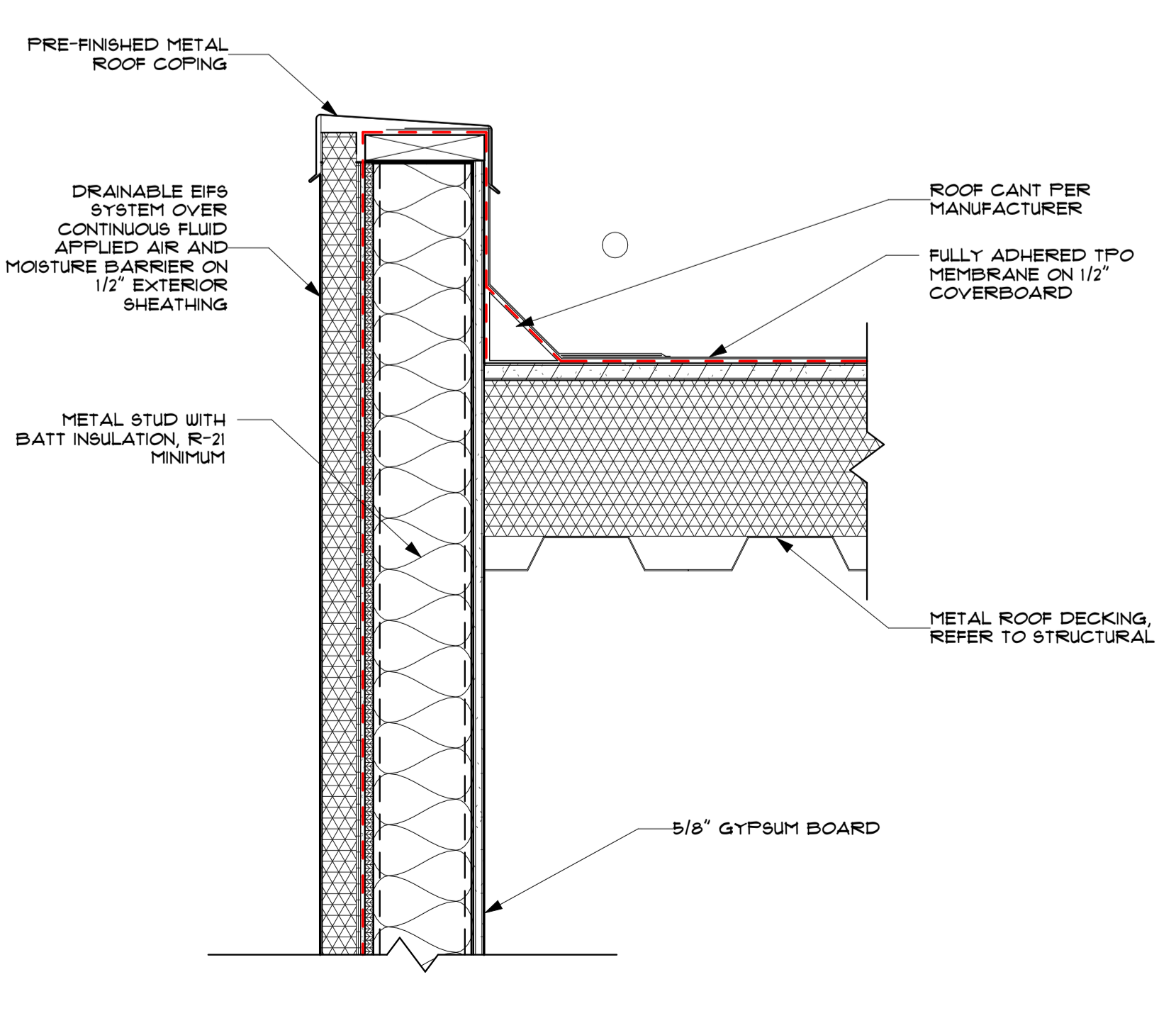
F ROOF DETAIL
1 1/2" = 1'-0"
REF FROM: B / A111



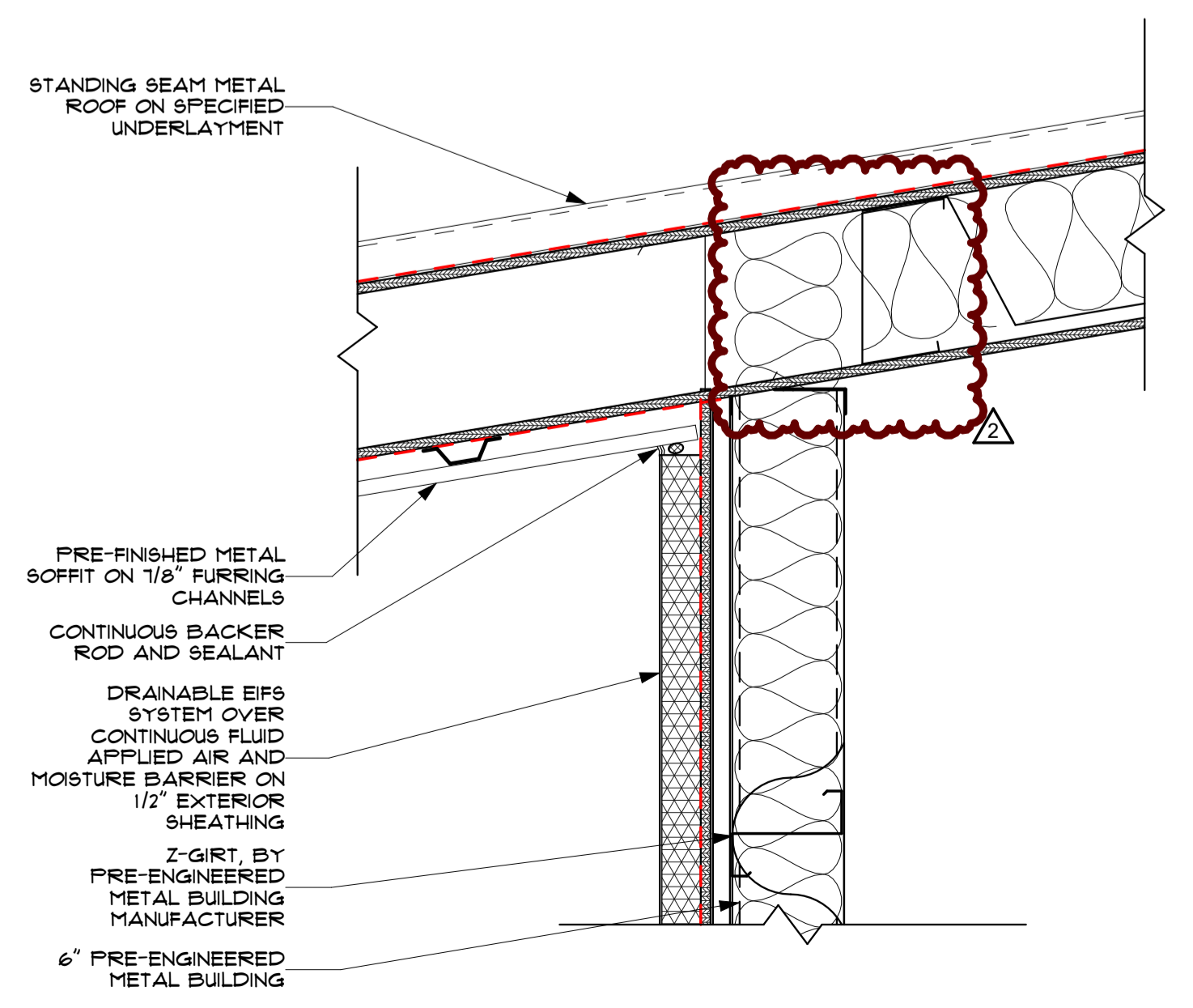
E ROOF DETAIL
1 1/2" = 1'-0"
REF FROM: B / A111



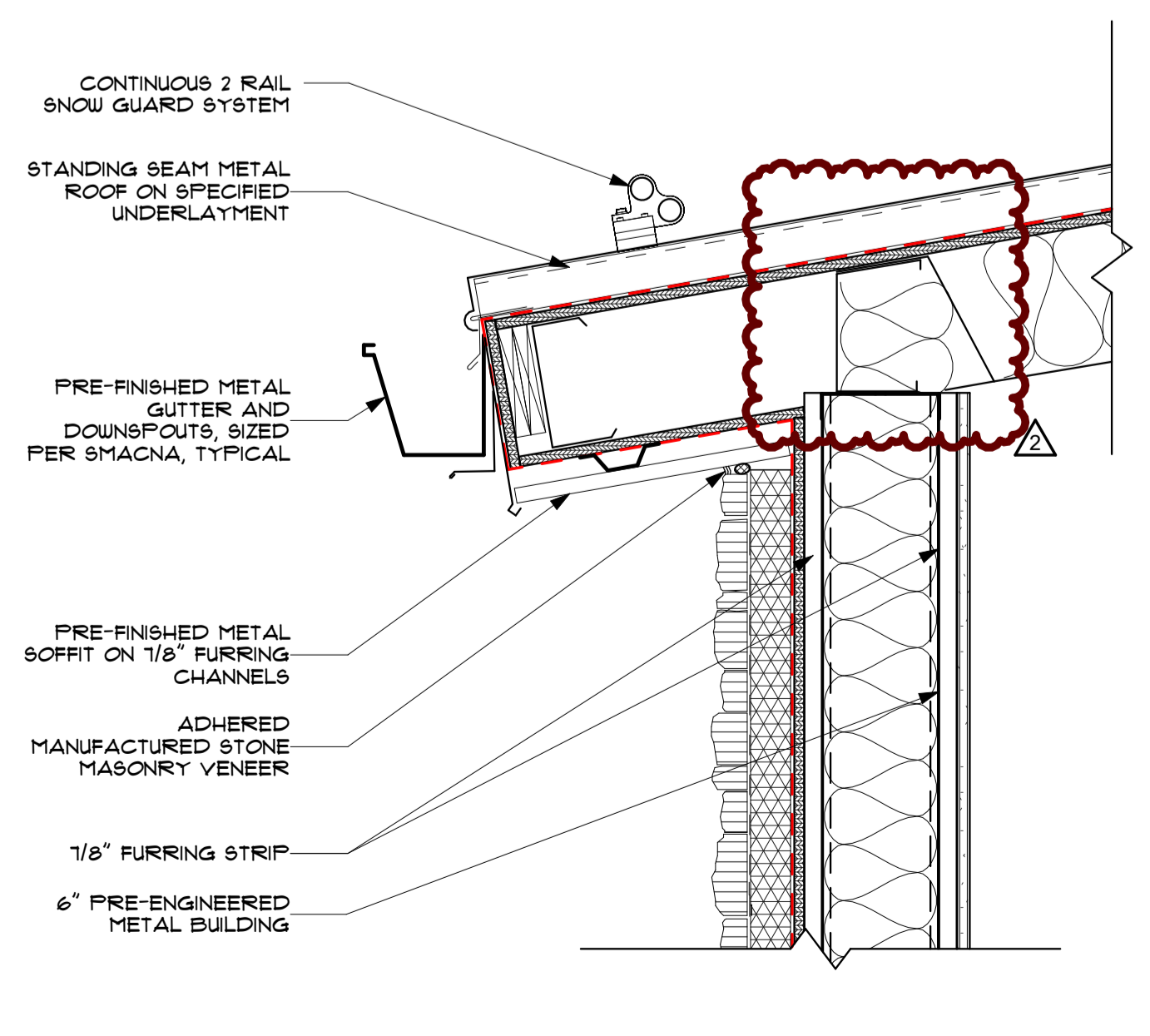
D ROOF DETAIL
1 1/2" = 1'-0"
REF FROM: B / A111



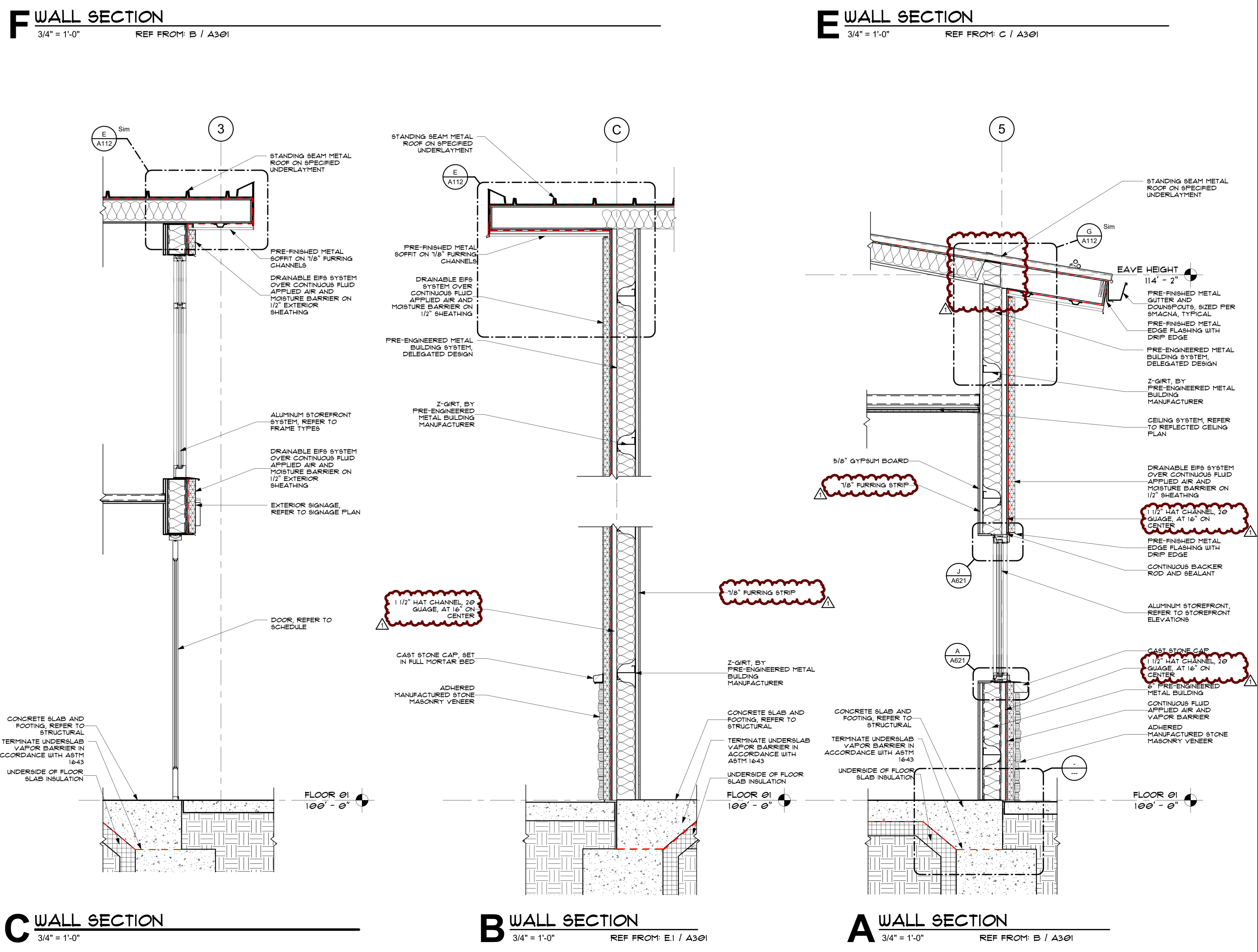
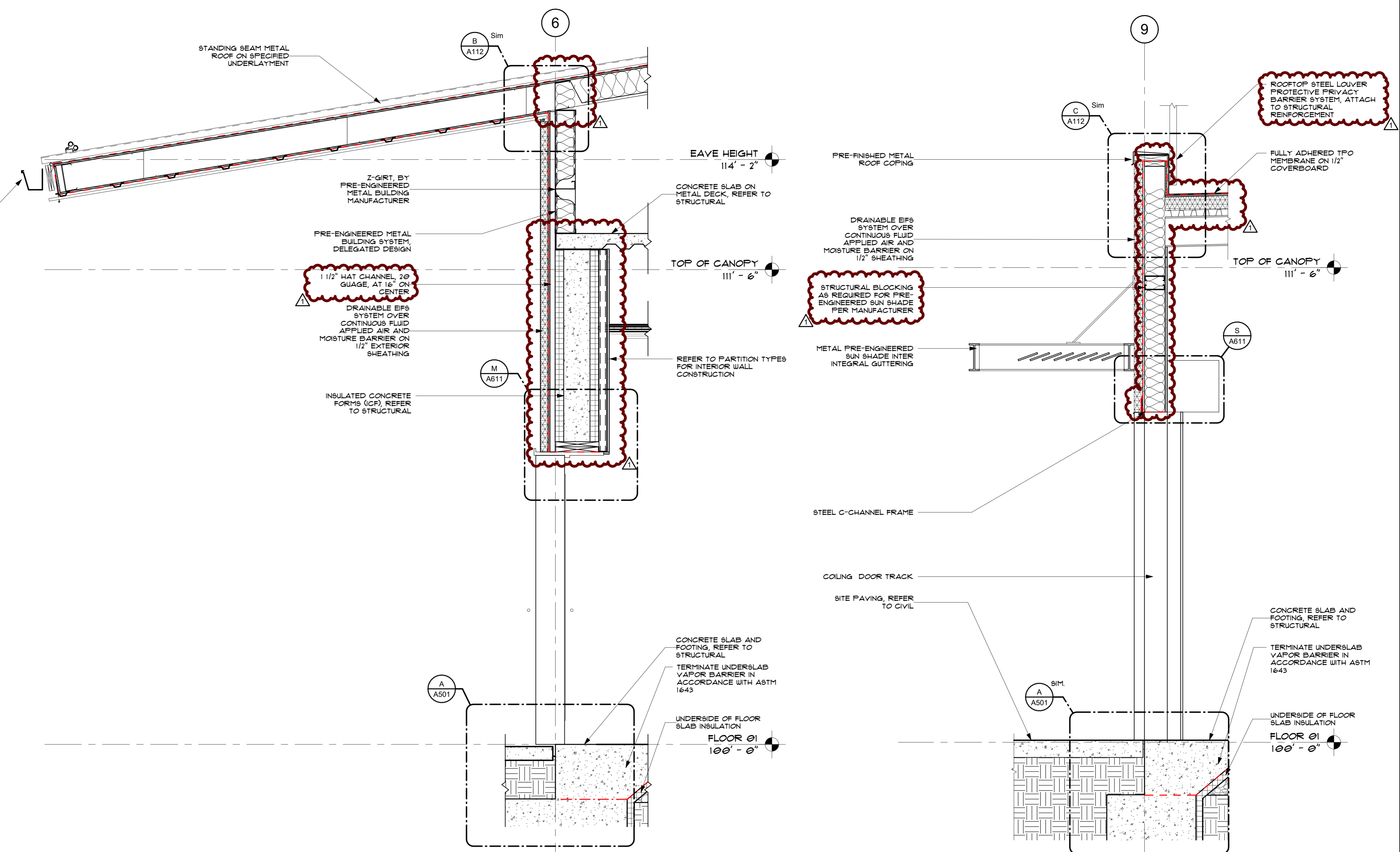
C ROOF DETAIL
1 1/2" = 1'-0"
REF FROM: B / A111



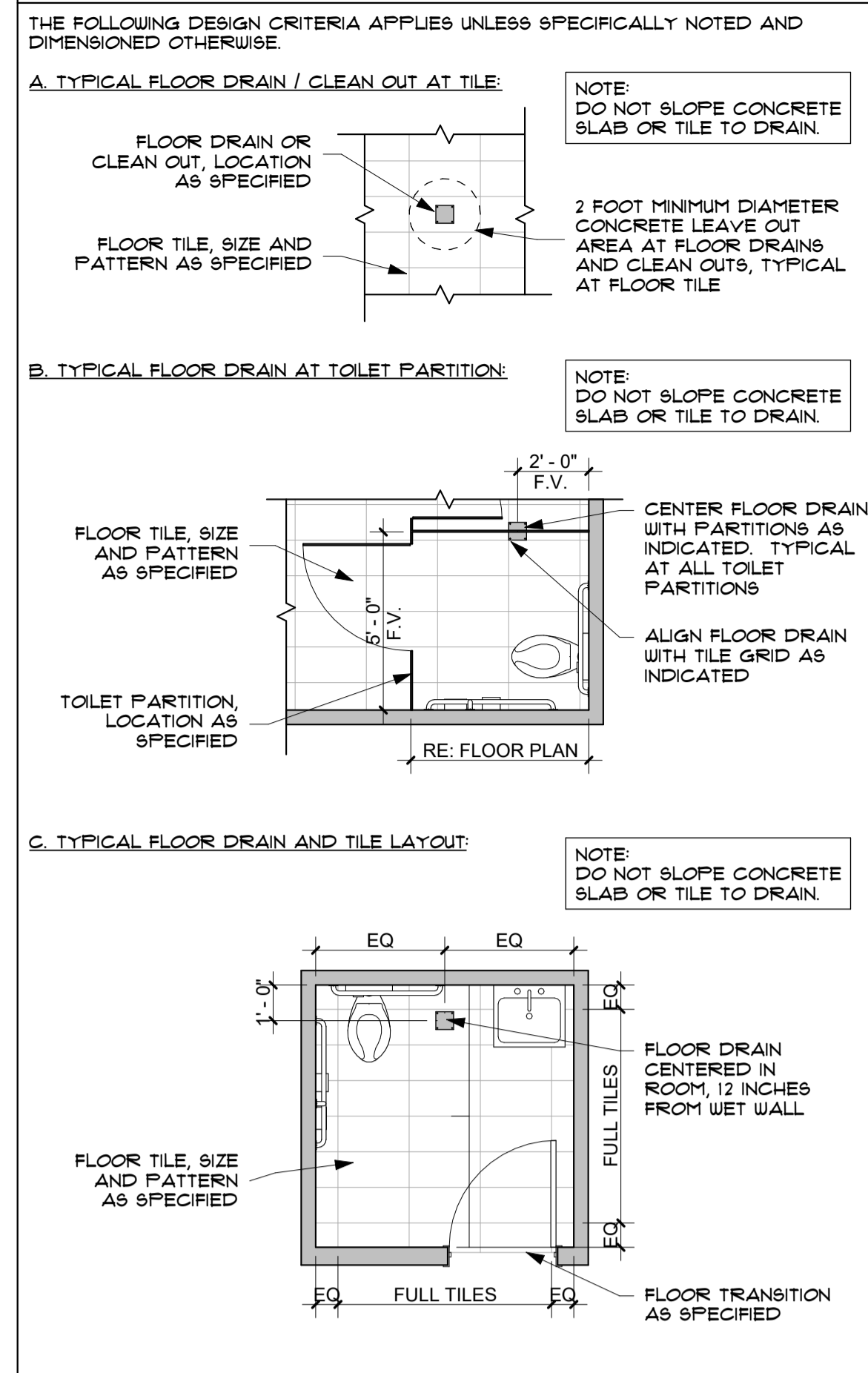
B ROOF DETAIL
1 1/2" = 1'-0"
REF FROM: B / A111



A ROOF DETAIL
1 1/2" = 1'-0"
REF FROM: B / A111



TYPICAL TILE AND FLOOR DRAIN DIAGRAMS



INTERIOR ELEVATION GENERAL NOTES

- REFER TO 0401 FOR STANDARD MOUNTING HEIGHTS.
- REFER TO SHEET A401 FOR DOOR SCHEDULE.
- REFER TO SHEET A401 FOR WINDOW TYPES.
- PROVIDE BLOCKING AT ALL WALL CABINETS AND ALL WALL MOUNTED EQUIPMENT.
- EQUIPMENT SHOWN IN DASH AND/OR HALFTONE SHALL BE CONTRACTOR FURNISHED, CONTRACTOR INSTALLED. EQUIPMENT IS SHOWN HERE FOR COORDINATION AND BACKING PURPOSES ONLY. TRADES AND MODELS SHALL BE CONFIRMED WITH OWNER.
- REFER TO SHEET A151 AND A152 FOR CASEWORK DETAILS.
- EXPOSED SURFACES OF CABINETS FINISHED TO MATCH FACE.
- ALL COUNTERTOPS SHALL HAVE EASED EDGE CORNERS AT ALL EXPOSED EXTERIOR CORNERS.
- ALL EXPOSED PIPES UNDER RESTROOM SINKS TO HAVE INSULATION URAP.
- PROVIDE TELEVISIONS AT LOCATIONS INDICATED. PROVIDE BLOCKING.

TOILET ACCESSORY SCHEDULE

TA#	DESCRIPTION	MANUFACTURER	MODEL	NOTES
TA-1	AUTOMATIC WALL MOUNTED FOAM SOAP DISPENSER	GAHCO	G-350PA	
TA-2	CLASSIC SERIES SURFACE MOUNTED PAPER TOWEL DISPENSER	BOBRICK	B-242	
TA-3	CLASSIC SERIES RECESSED TOILET SEAT COVER DISPENSER, WASTE DISPOSAL AND TOILET TISSUE DISPENSER	BOBRICK	B-3092 / 3091	FOR USE IN ADA RESTROOMS RECESSED WITHIN GYP/PM WALLS ONLY.
TA-4	SURFACE MOUNT SEAT COVER DISPENSER, WASTE DISPOSAL, TOILET TISSUE DISPENSER	BOBRICK	B-3070	FOR USE IN NON-ADA RESTROOMS ONLY.
TA-5	BOBRICK B-2888 CLASSIC SERIES SURFACE MOUNTED MULTI ROLL TOILET TISSUE DISPENSER	BOBRICK	B-2888	FOR USE IN CHILD TOILETS ONLY IN CLASSROOMS AND GROSS MOTOR ROOMS.
TA-6	RECESSED MULTI ROLL TOILET TISSUE DISPENSER	GAHCO	TTD-6	
TA-7	FOOT OPERATED WASTE RECEPTACLE	BOBRICK	B-22016	PROVIDE ONE PER RESTROOM, OWNER TO LOCATE ON SITE.
TA-7	SELECTRONIC ELECTRONIC PROXIMITY LAVATORY FAUCET	AMERICAN STANDARD		
TA-8	OVALYN UNDERCOUNTER SINK	AMERICAN STANDARD		
TA-8	TILTY SHELF WITH UTILITY SHELF WITH HOP/BROOM HOLDERS AND RAG HOOKS	BOBRICK	B-235	PROVIDE ONE PER HOP SINK.
TA-9	LUSTERONE CLASSIC STAINLESS STEEL 22" X 22" X 19/8" SINGLE BOUL DROP-IN SINK	ELKAY	LR2022	
TA-10	LUSTERONE CLASSIC STAINLESS STEEL 12" X 18" X 4" SINGLE BOUL DROP-IN ADA SINK WITH QUICK-CLIP	ELKAY	LRADQ18140	
TA-12	TILT MIRROR WITH STAINLESS STEEL FRAME	BOBRICK	B-293 1830	
TA-13	HORIZONTAL RECESSED MOUNTED STAINLESS STEEL FINISH BABY CHANGING STATION	BOBRICK	B-3040	
TA-14	CLASSIC SERIES RECESSED CONVERTIBLE PAPER TOWEL DISPENSER AND WASTE RECEPTACLE	BOBRICK		
TA-18	GRAB BARS	BRADLEY CORPORATION	812	STAINLESS STEEL STANDARD FINISH
TA-19	ACCESSIBLE ROLL-IN SHOWER	AQUATIC	1403BFD21	OWNER TO COVER ALL REQUIRED ACCESSORIES.
TA-19	RECESSED HIN-TOILET DISPENSER AND WASTE RECEPTACLE COMBINATION	GAHCO	TW-3	
TA-36	GRAB BARS	BRADLEY CORPORATION	812	STAINLESS STEEL STANDARD FINISH
TA-42	GRAB BARS	BRADLEY CORPORATION	812	STAINLESS STEEL STANDARD FINISH

TOILET ACCESSORIES GENERAL NOTES

- OWNER TO CONFIRM ALL TOILET ACCESSORY LOCATIONS AND HEIGHTS IN FIELD.
- REFER TO ACCESSIBLE MOUNTING HEIGHTS AND CLEARANCES INDICATED ON SHEET 0401. REFER TO SPECIFICATION 022000 - TOILET, BATH AND LAUNDRY ACCESSORIES FOR ADDITIONAL INFORMATION. COORDINATE AND VERIFY ALL CFI AND OFCI ITEMS WITH OWNER.
- TOILET PAPER DISPENSER, CFI. NOT ALL LOCATIONS ARE SHOWN. PROVIDE ONE PER WATER CLOSET. COORDINATE MOUNTING WITH TOILET PARTITION DOOR SINGS.
- AUTOMATIC SOAP DISPENSER, CFI. NOT ALL LOCATIONS ARE SHOWN. DECK-MOUNTED, RIGHT SIDE OF FAUCET, UNLESS NOTED OTHERWISE: ONE PER LAVATORY.
- MANUAL SOAP DISPENSER, CFI. NOT ALL LOCATIONS ARE SHOWN. PROVIDE OWNER PER THE SHOWER.
- GRAB BARS, CFI. PROVIDE 18 INCH 36 INCH AND 42 INCH GRAB BARS AS INDICATED ON SHEET 0401 AND AS REQUIRED BY CODE AT ALL WATER CLOSETS.
- SANITARY NAPKIN DISPOSAL UNIT, CFI. NOT ALL LOCATIONS ARE SHOWN. PROVIDE ONE PER WATER CLOSET IN MEN'S TOILET ROOMS. PROVIDE ONE PER SINGLE OCCUPANCY TOILET ROOMS. DO NOT PROVIDE SANITARY NAPKIN DISPOSAL UNITS IN CHILDREN'S OR MEN'S TOILET ROOMS.
- DOOR AND STALL DOOR HOOKS, CFI. LOCATIONS NOT SHOWN. PROVIDE ONE HOOK PER ENTRY DOOR AT SINGLE OCCUPANCY WATER CLOSETS. RE SPECIFICATION 022000 - DOOR HARDWARE. PROVIDE ONE HOOK PER STALL DOOR. RE SPECIFICATION 022015 - PLASTIC TOILET COMPARTMENTS.
- SHOWER CURTAIN ROD, CFI. LOCATIONS NOT SHOWN. PROVIDE ONE PER EACH SHOWER.
- HOP AND BROOM HOLDER / COMBINATION UTILITY SHELF, CFI. PROVIDE ONE AT EACH UTILITY SINK.
- PROVIDE TILE BEHIND MIRRORS, TYPICAL. VANTY MIRROR TO BE INSTALLED AT 40" ABOVE FINISH FLOOR TO ALIGN WITH GROUT LINES. CENTER MIRRORS ON SINK FAUCETS.

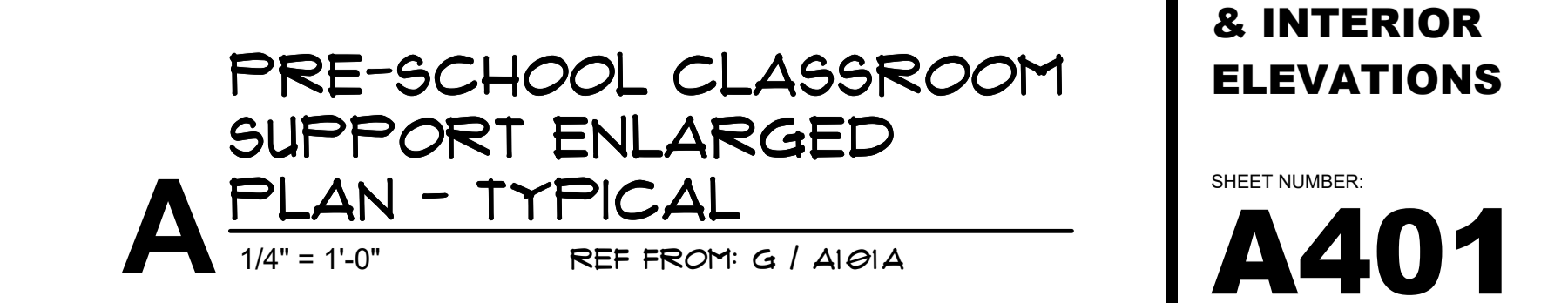
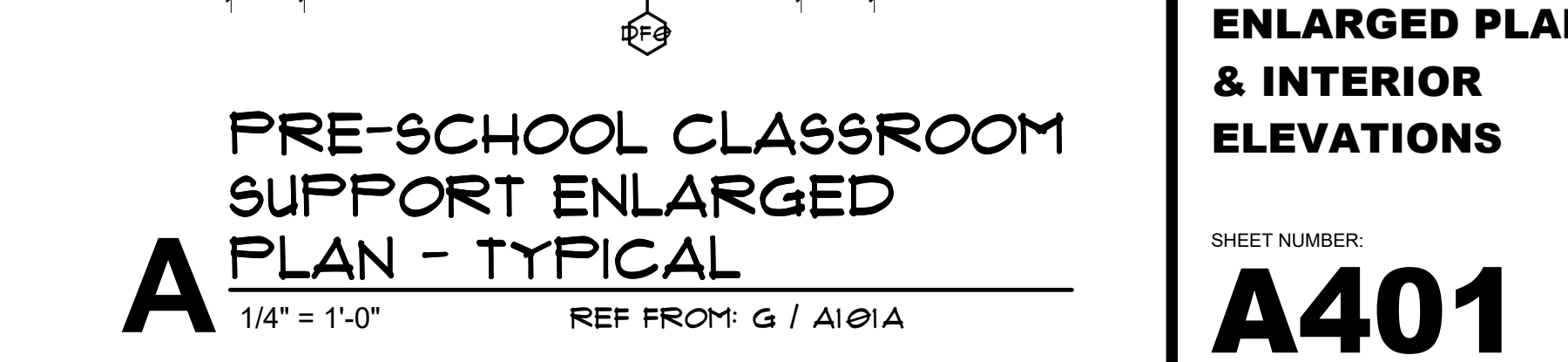
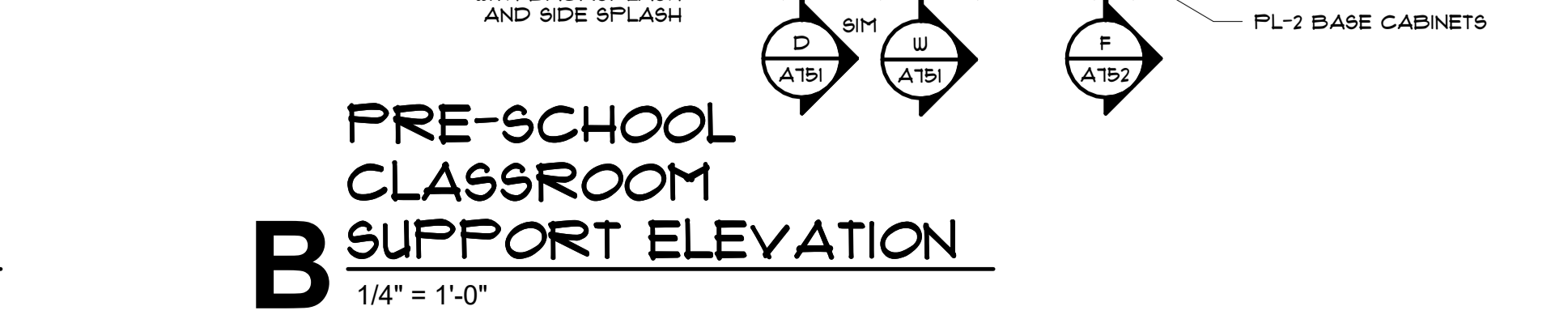
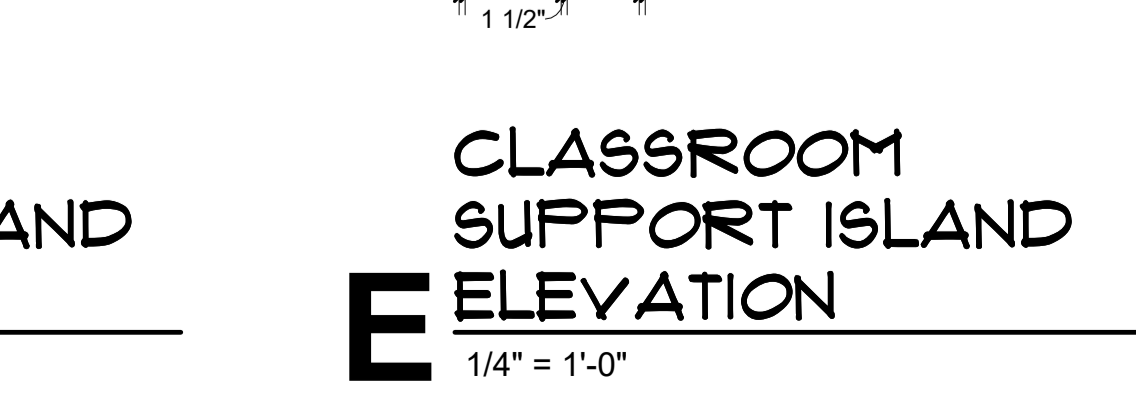
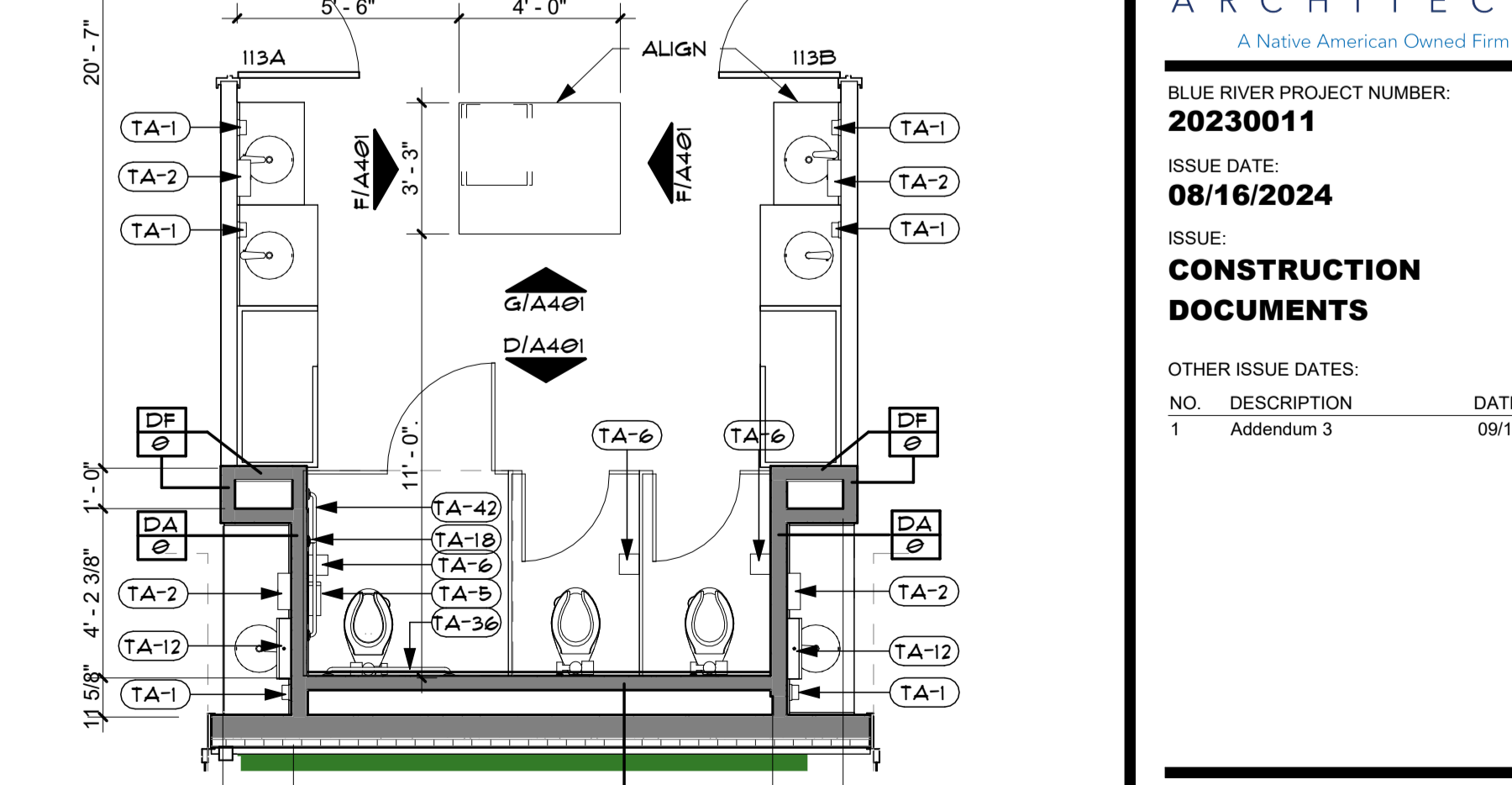
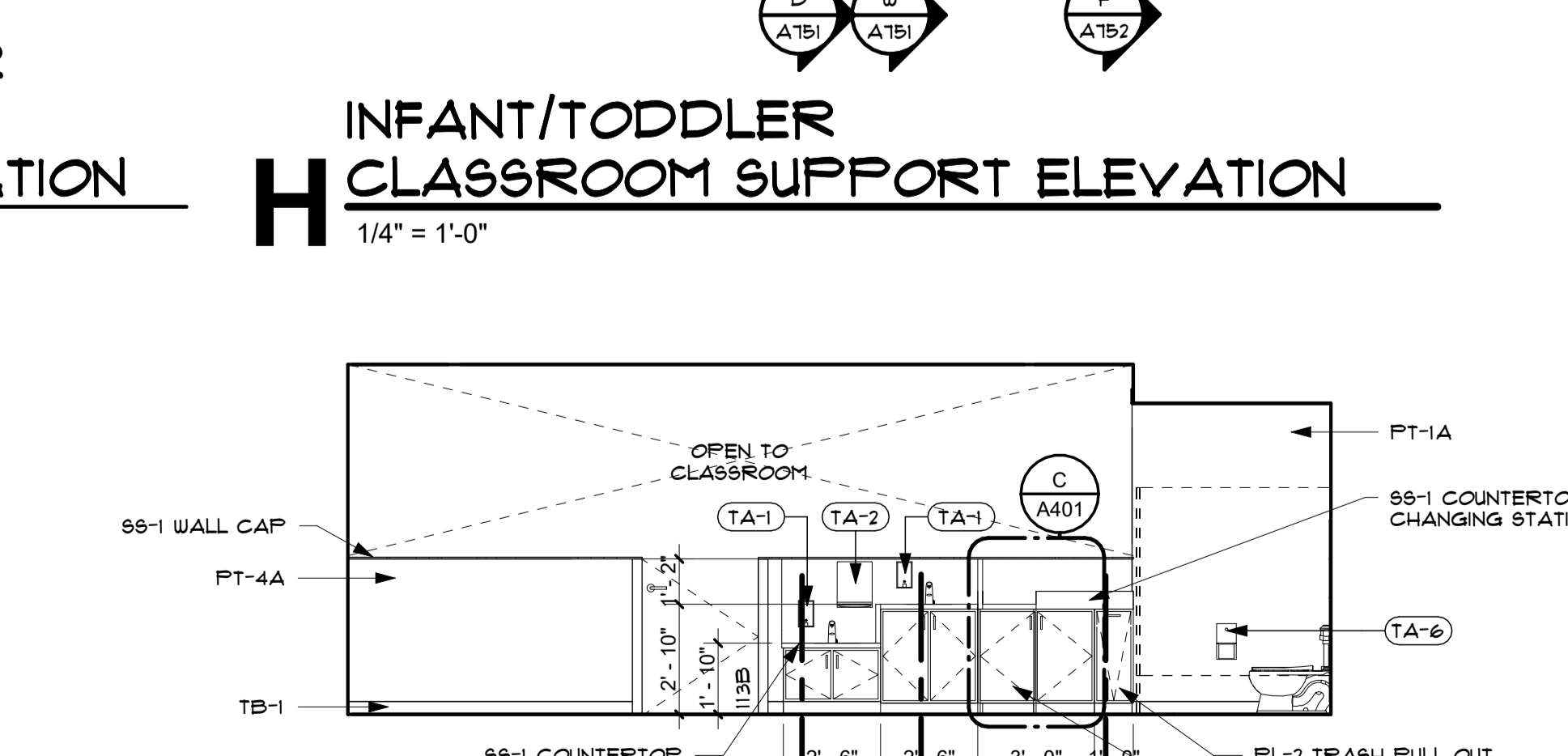
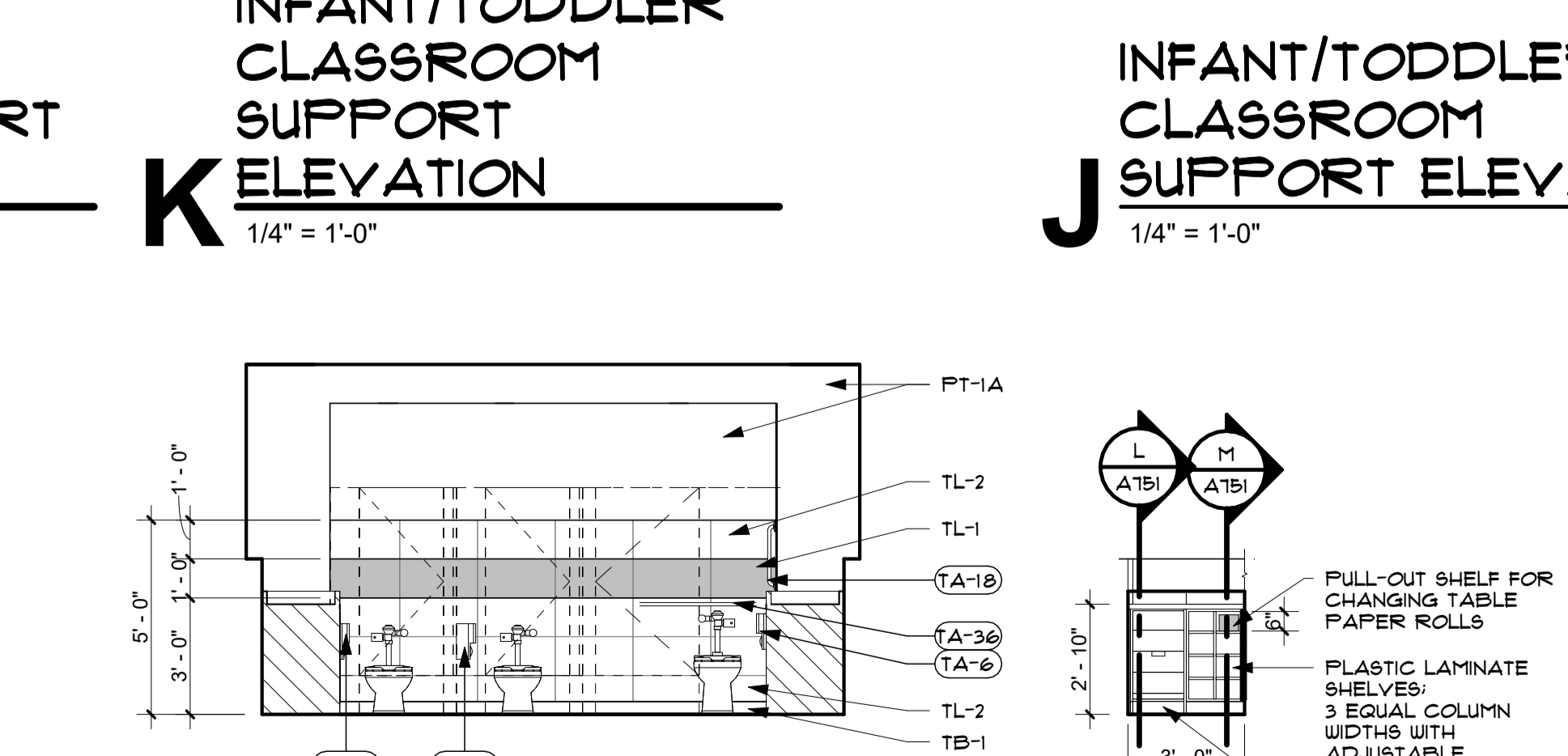
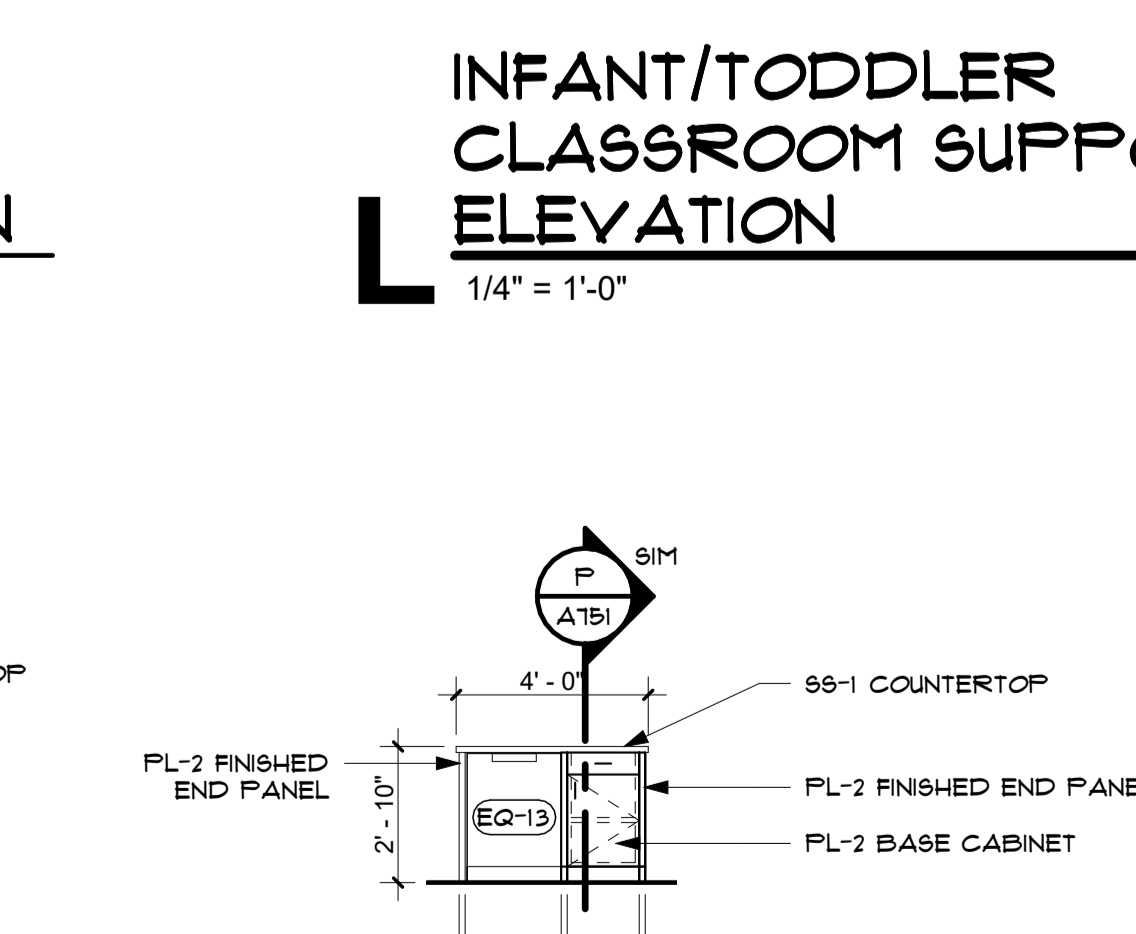
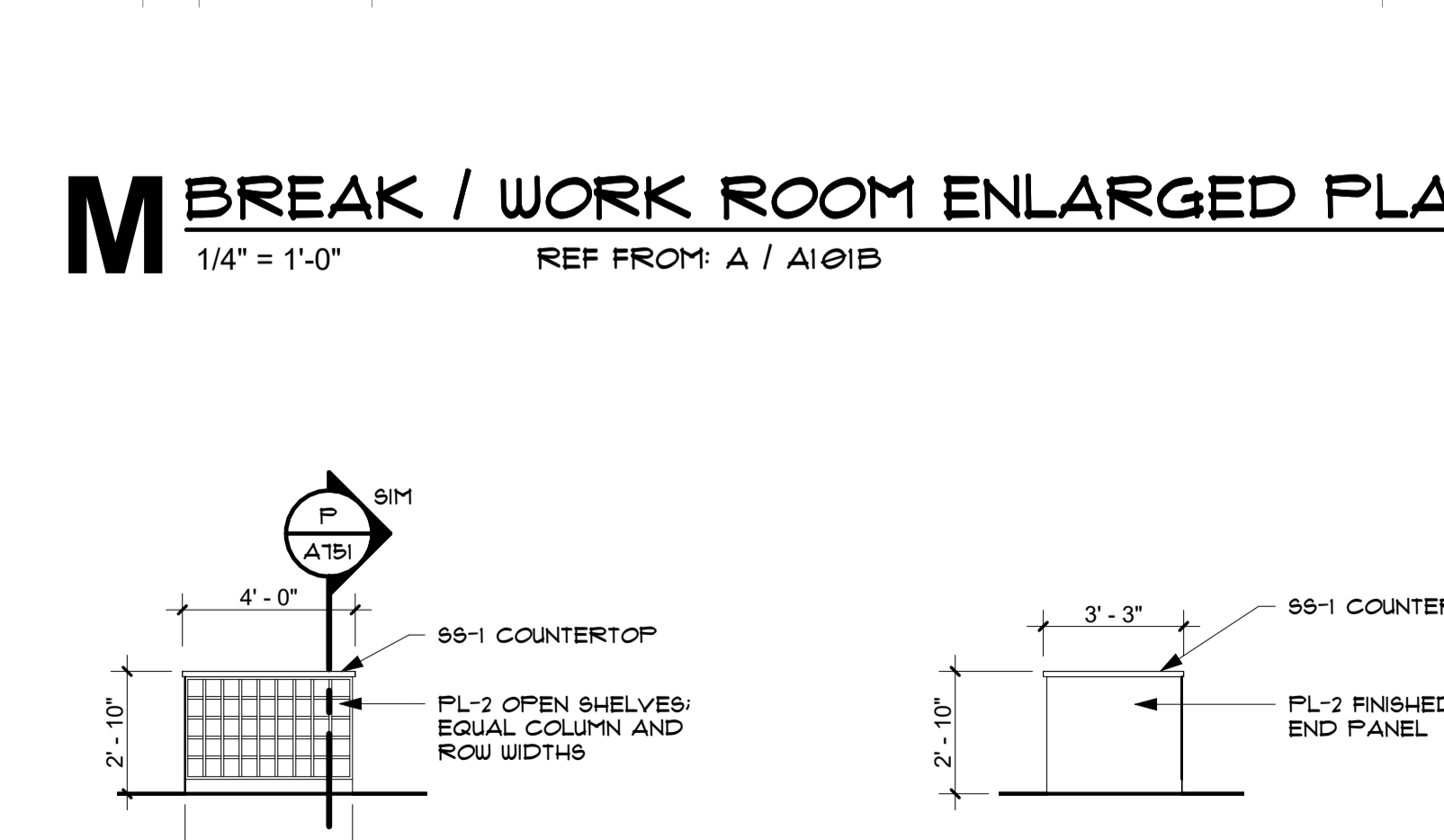
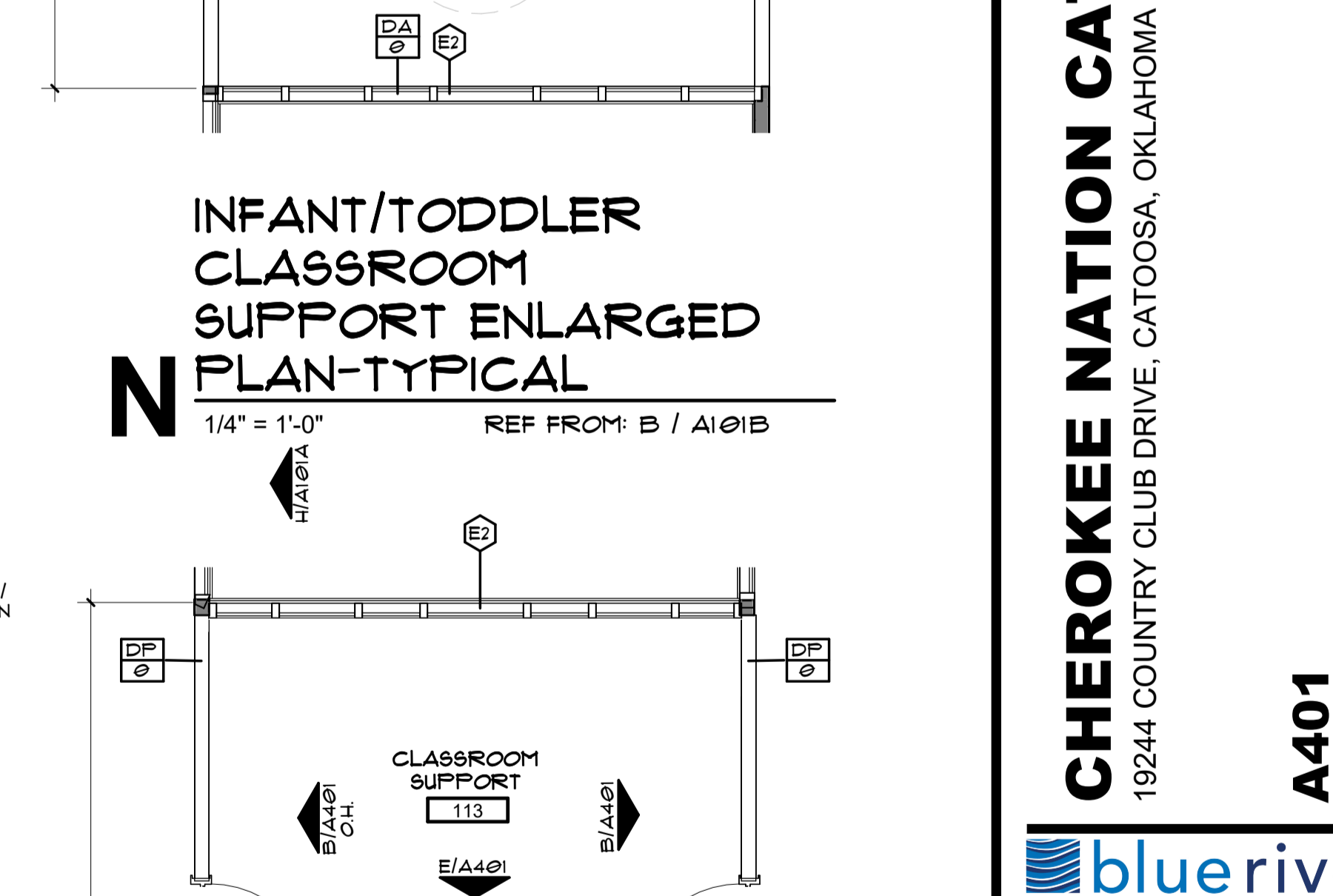
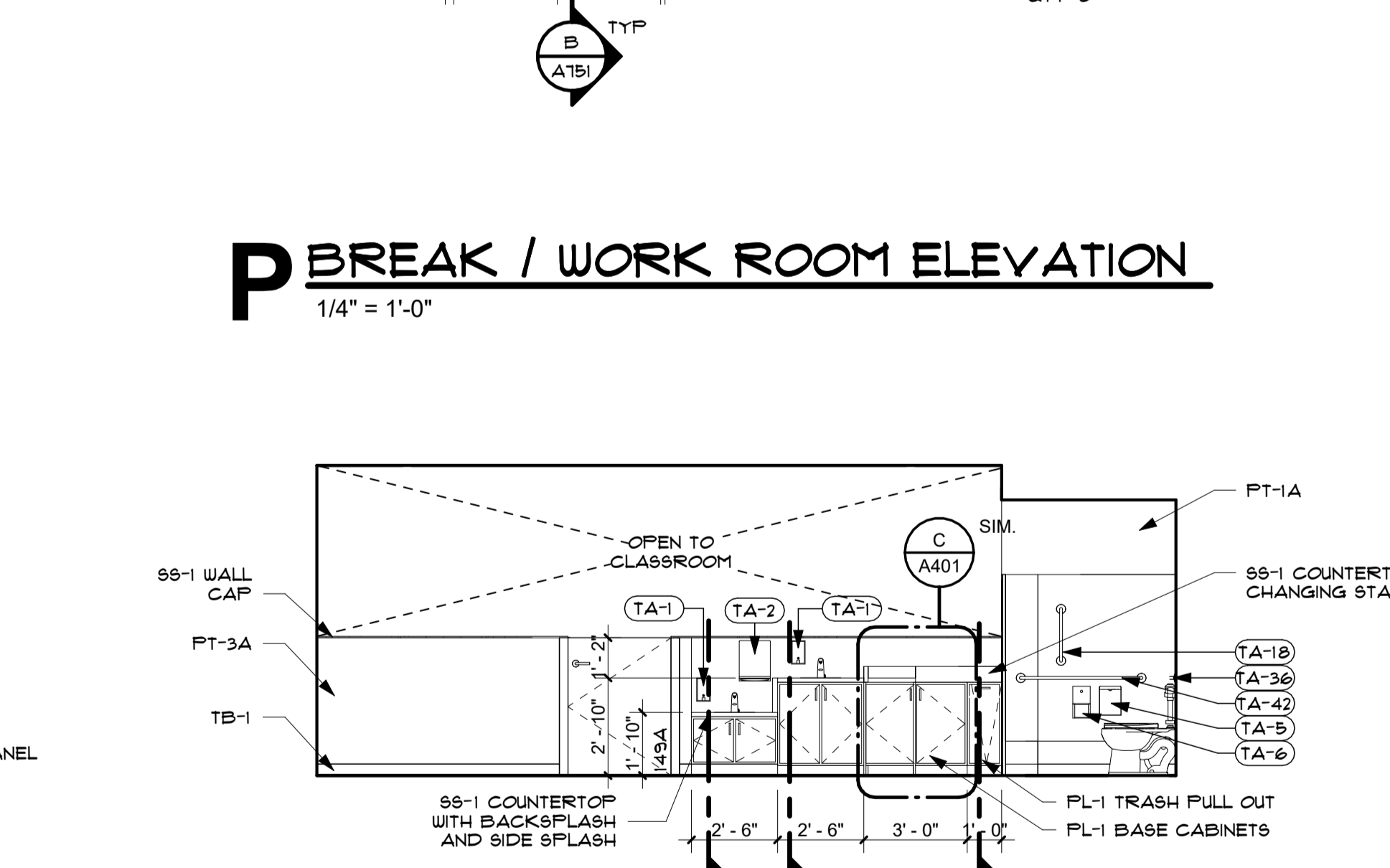
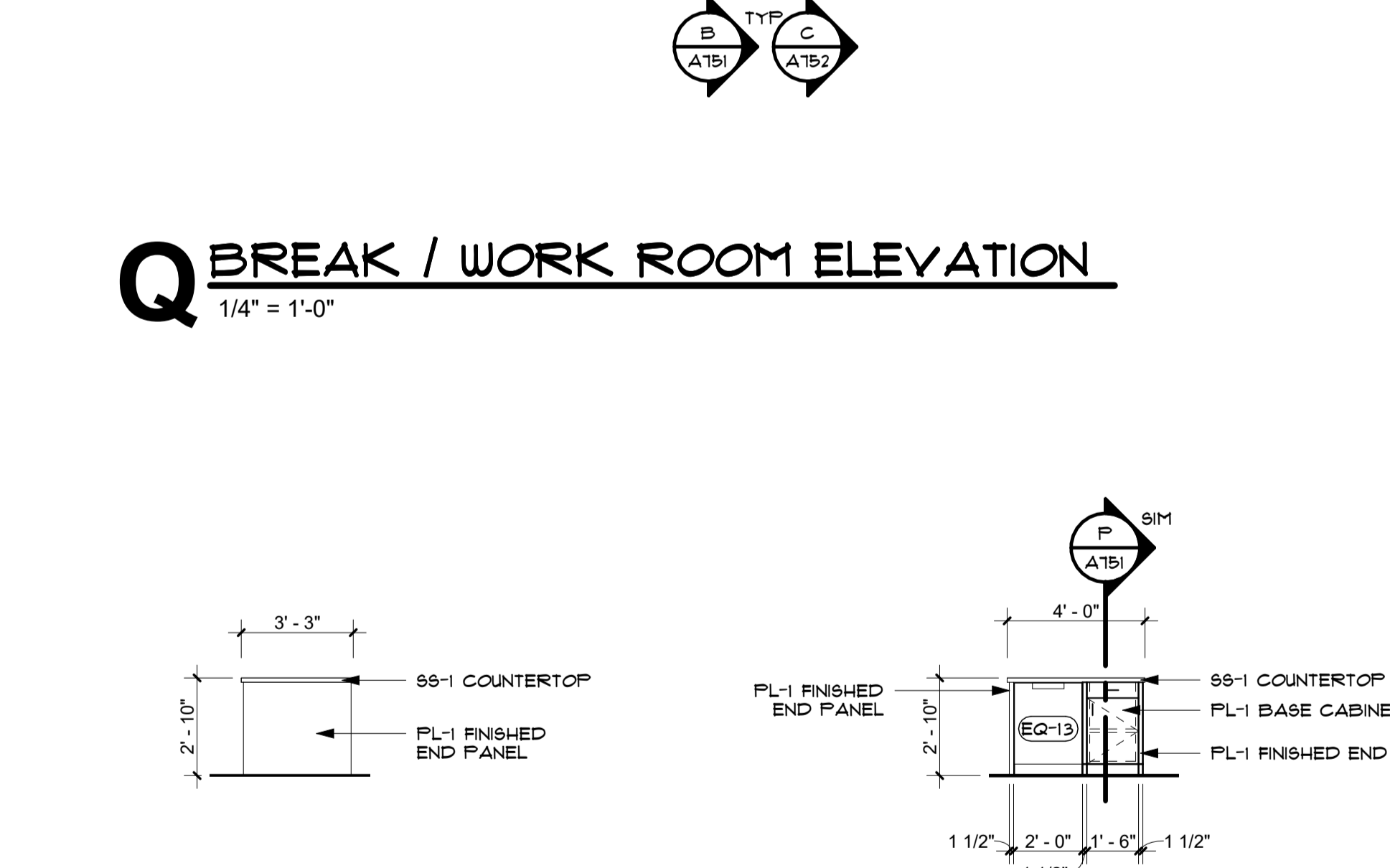
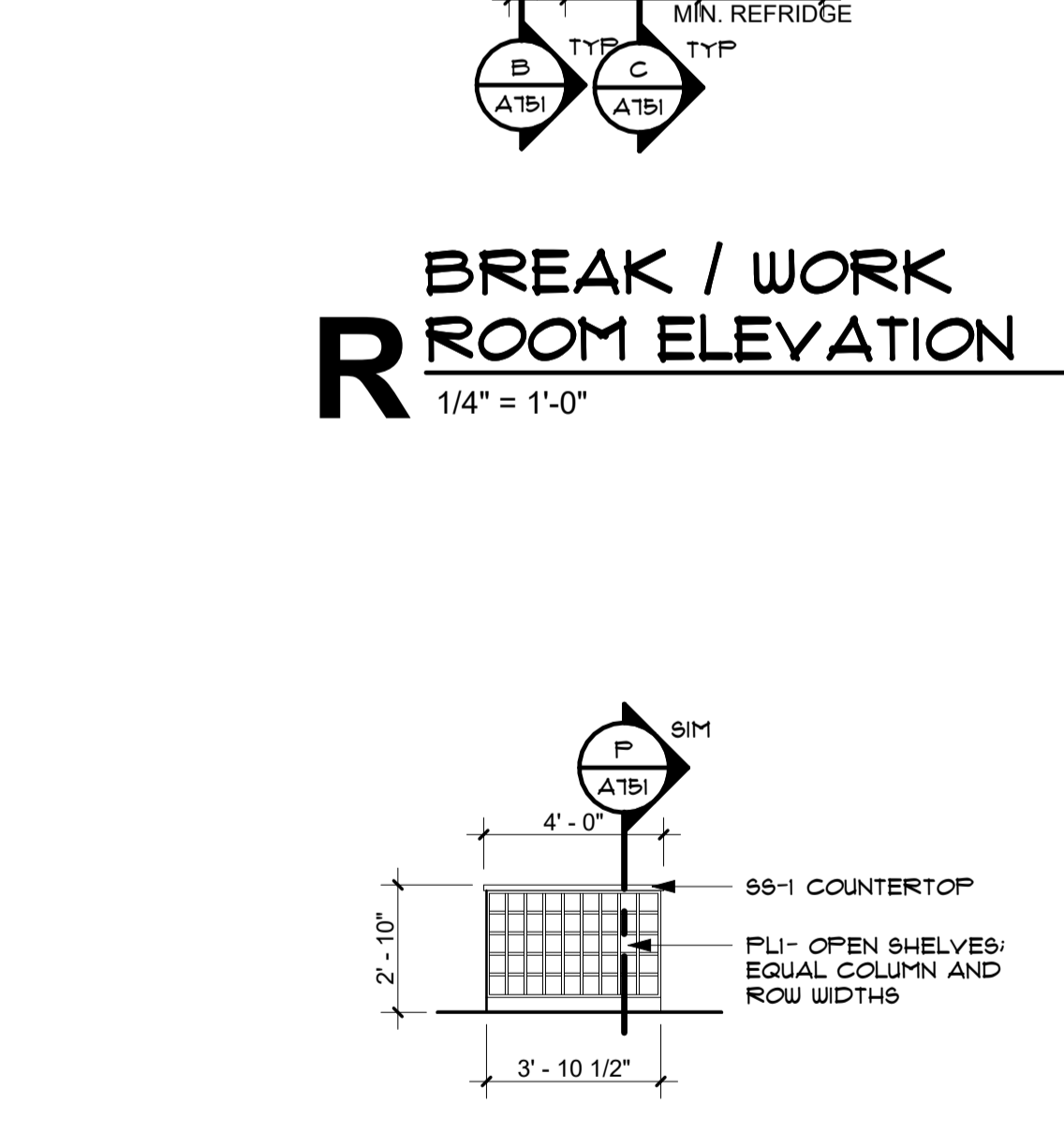
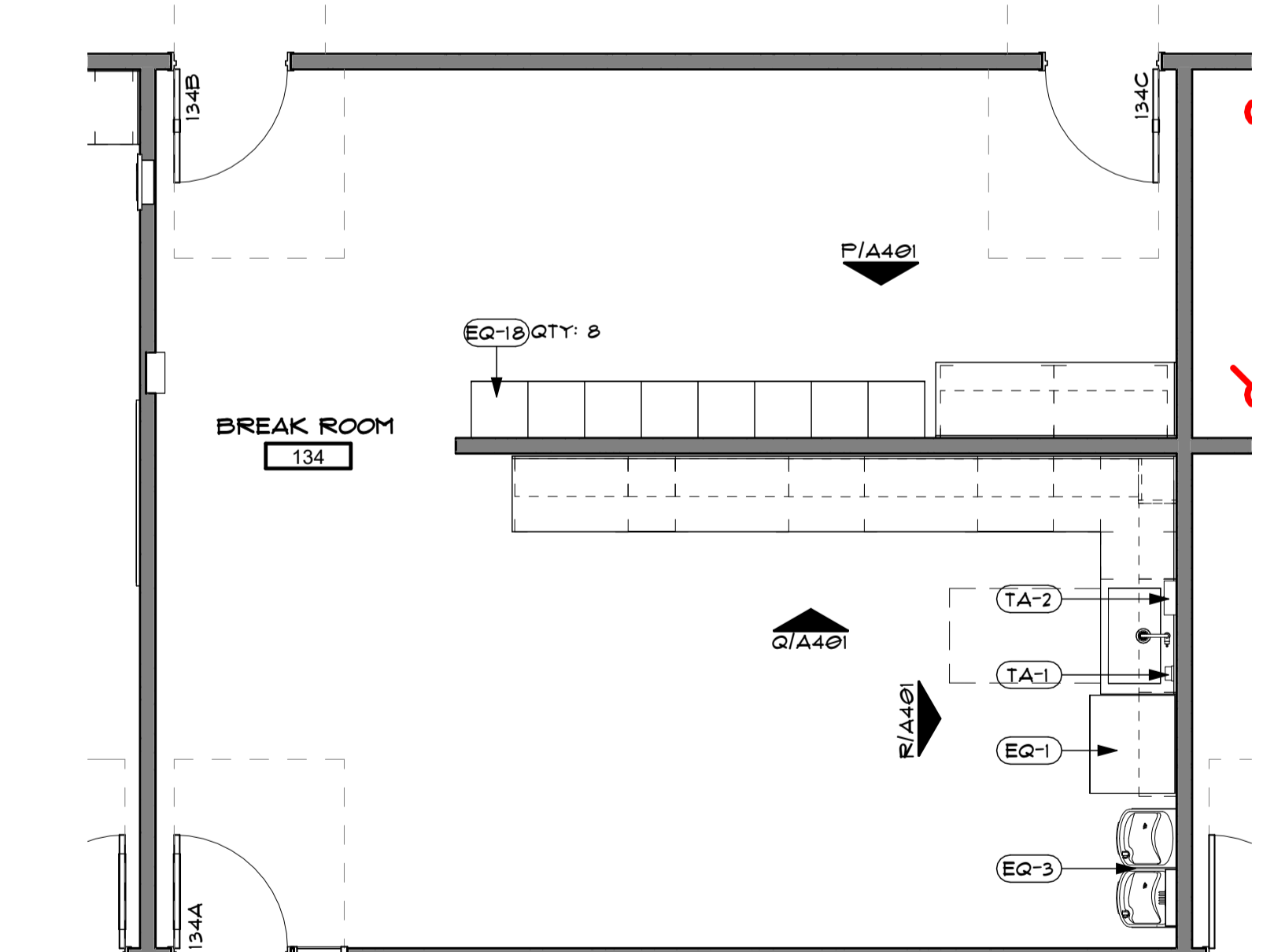
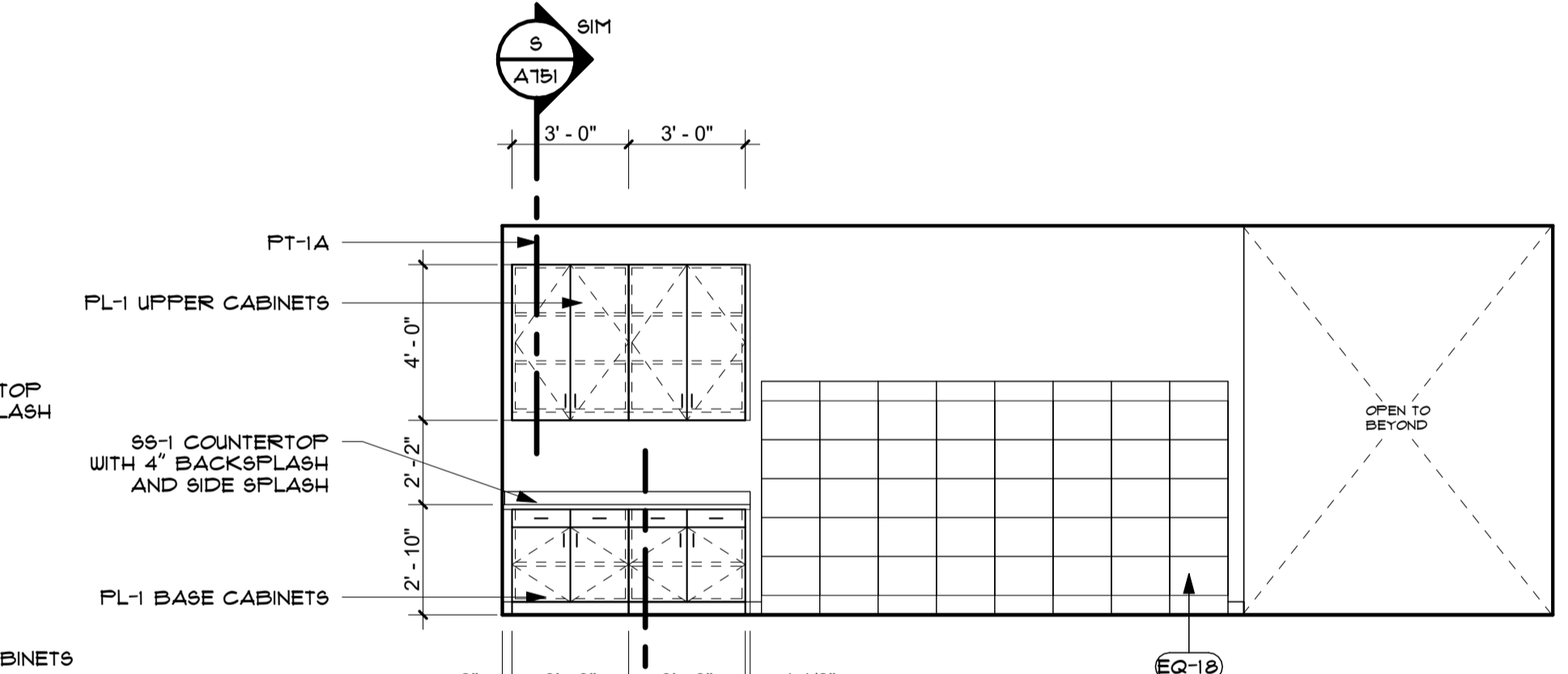
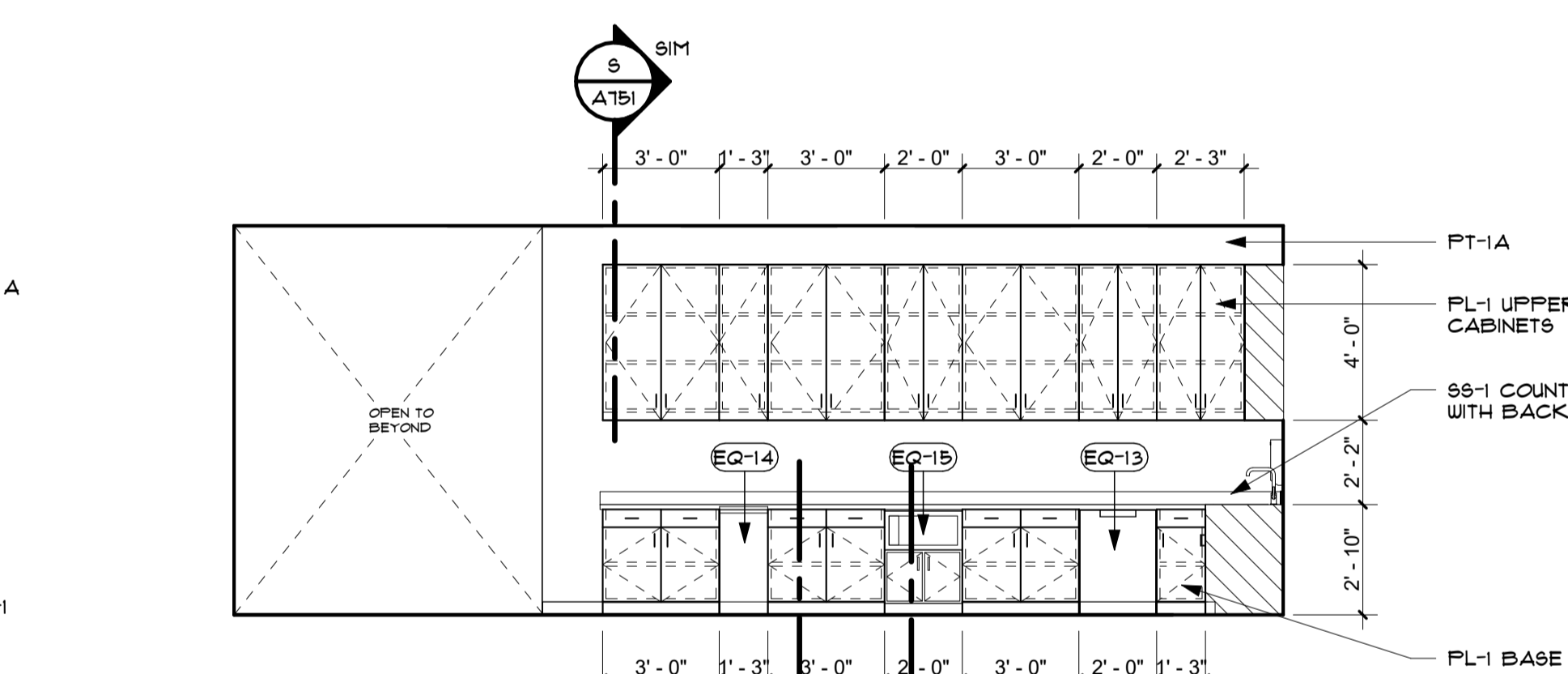
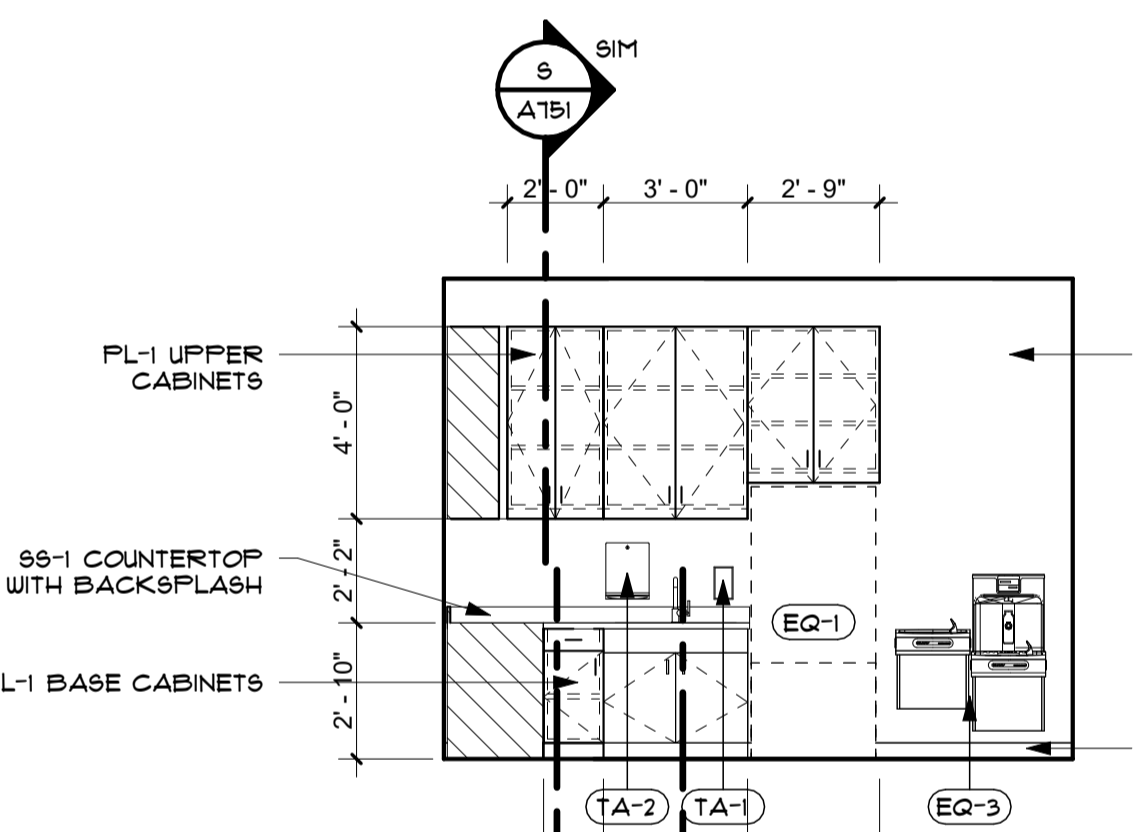
SPECIALTY EQUIPMENT SCHEDULE

EQ #	DESCRIPTION	MANUFACTURER	MODEL #	FURNISHED BY	INSTALLED BY	COMMENTS
EQ-1	ENERGY STAR 111 CU FT. COUNTER TOP BOTTOM-FREEZER REFRIGERATOR	GE APPLIANCES	GDETHYRFS	CONTRACTOR	CONTRACTOR	PROVIDE ONE PER CLASSROOM AND ONE IN WORK / BREAKROOM
EQ-2	ED20 LV PRO 1/2" WALL COMMERCIAL FILTERED WATER DISPENSER, NON-REFRIGERATED ASPEN WHITE	ELKAY	LBWDG09UHC	CONTRACTOR	CONTRACTOR	STAINLESS STEEL
EQ-3	ED20 BOTTLE FILLING STATION VERSATILE B-LEVEL ADA COOLER, NON-FILTERED REFRIGERATED LIGHT GRAY	<VARIES>	<VARIES>	<VARIES>	<VARIES>	<VARIES>
EQ-4	BUILT-IN UNDERCOUNTER ADA COMPLIANT ALL-REFRIGERATOR	SURMPT	AL54	CONTRACTOR	CONTRACTOR	FINGERPRINT RESISTANT STAINLESS
EQ-5	65" CLASS CRYSTAL WALL MOUNTED TV	SAMSUNG	UH1 DU0000	CONTRACTOR	CONTRACTOR	PROVIDE SUIVEL MOUNT WITH EACH TV
EQ-9	REAR CONTROL FRONT LOAD WASHER	SPEED QUEEN	FF100BN	CONTRACTOR	CONTRACTOR	
EQ-10	REAR CONTROL FRONT LOAD DRYER	SPEED QUEEN	DR1004BE	CONTRACTOR	CONTRACTOR	
EQ-13	24" SIDE ENERGY STAR CERTIFIED ADA COMPLIANT BUILT-IN DISHWASHER	SURMPT	DW4486ADA	CONTRACTOR	CONTRACTOR	
EQ-14	PEARL ICE MAKER	ICE-O-MATIC	GEM9090	CONTRACTOR	CONTRACTOR	
EQ-15	21 CU FT BUILT-IN SENSOR GE APPLIANCES	FEB1070LBB		CONTRACTOR	CONTRACTOR	
EQ-16	DOUBLE TIER 3 STYLE LOCKER	SALISBURY INDUSTRIES	7164	CONTRACTOR	CONTRACTOR	15'0" X 12'4" X 24" OCCUPANTS
EQ-16	24" X 18" X 12" LOCKER	ELKAY	18-391	CONTRACTOR	CONTRACTOR	40 LOCKERS TOTAL
EQ-18	5-TIER PHENOLIC LOCKERS WITH ABS STORAGE	ABS STORAGE	18" X 18" X 12"	CONTRACTOR	CONTRACTOR	40 LOCKERS TOTAL

NOTE: 1) THE OWNER IS RESPONSIBLE FOR INSTALLING A MAILBOX AND ADDRESSING IT. THE RESIDENCE AND OR BUSINESS SHOULD BE LABELED WITH 4-INCH FONT OR LARGER DEPENDING ON DISTANCE AND PUT IN A VISIBLE SPOT TO SEE FOR FIRST RESPONDERS. BUSINESS MUST COMPLY WITH POSSIBLE ADDITIONAL REQUIREMENTS OR APPLICABLE CODES FOR VISIBILITY.

TOILET ACCESSORIES GENERAL NOTES

- OWNER TO CONFIRM ALL TOILET ACCESSORY LOCATIONS AND HEIGHTS IN FIELD.
- REFER TO ACCESSIBLE MOUNTING HEIGHTS AND CLEARANCES INDICATED ON SHEET 0401. REFER TO SPECIFICATION 022000 - TOILET, BATH AND LAUNDRY ACCESSORIES FOR ADDITIONAL INFORMATION. COORDINATE AND VERIFY ALL CFI AND OFCI ITEMS WITH OWNER.
- TOILET PAPER DISPENSER, CFI. NOT ALL LOCATIONS ARE SHOWN. PROVIDE ONE PER WATER CLOSET. COORDINATE MOUNTING WITH TOILET PARTITION DOOR SINGS.
- AUTOMATIC SOAP DISPENSER, CFI. NOT ALL LOCATIONS ARE SHOWN. DECK-MOUNTED, RIGHT SIDE OF FAUCET, UNLESS NOTED OTHERWISE: ONE PER LAVATORY.
- MANUAL SOAP DISPENSER, CFI. NOT ALL LOCATIONS ARE SHOWN. PROVIDE OWNER PER THE SHOWER.
- GRAB BARS, CFI. PROVIDE 18 INCH 36 INCH AND 42 INCH GRAB BARS AS INDICATED ON SHEET 0401 AND AS REQUIRED BY CODE AT ALL WATER CLOSETS.
- SANITARY NAPKIN DISPOSAL UNIT, CFI. NOT ALL LOCATIONS ARE SHOWN. PROVIDE ONE PER WATER CLOSET IN MEN'S TOILET ROOMS. PROVIDE ONE PER SINGLE OCCUPANCY TOILET ROOMS. DO NOT PROVIDE SANITARY NAPKIN DISPOSAL UNITS IN CHILDREN'S OR MEN'S TOILET ROOMS.
- DOOR AND STALL DOOR HOOKS, CFI. LOCATIONS NOT SHOWN. PROVIDE ONE HOOK PER ENTRY DOOR AT SINGLE OCCUPANCY WATER CLOSETS. RE SPECIFICATION 022000 - DOOR HARDWARE. PROVIDE ONE HOOK PER STALL DOOR. RE SPECIFICATION 022015 - PLASTIC TOILET COMPARTMENTS.
- SHOWER CURTAIN ROD, CFI. LOCATIONS NOT SHOWN. PROVIDE ONE PER EACH SHOWER.
- HOP AND BROOM HOLDER / COMBINATION UTILITY SHELF, CFI. PROVIDE ONE AT EACH UTILITY SINK.
- PROVIDE TILE BEHIND MIRRORS, TYPICAL. VANTY MIRROR TO BE INSTALLED AT 40" ABOVE FINISH FLOOR TO ALIGN WITH GROUT LINES. CENTER MIRRORS ON SINK FAUCETS.



CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER
19244 COUNTRY CLUB DRIVE, CATOOSA, OKLAHOMA 74015

A401
ENLARGED PLANS & INTERIOR ELEVATIONS

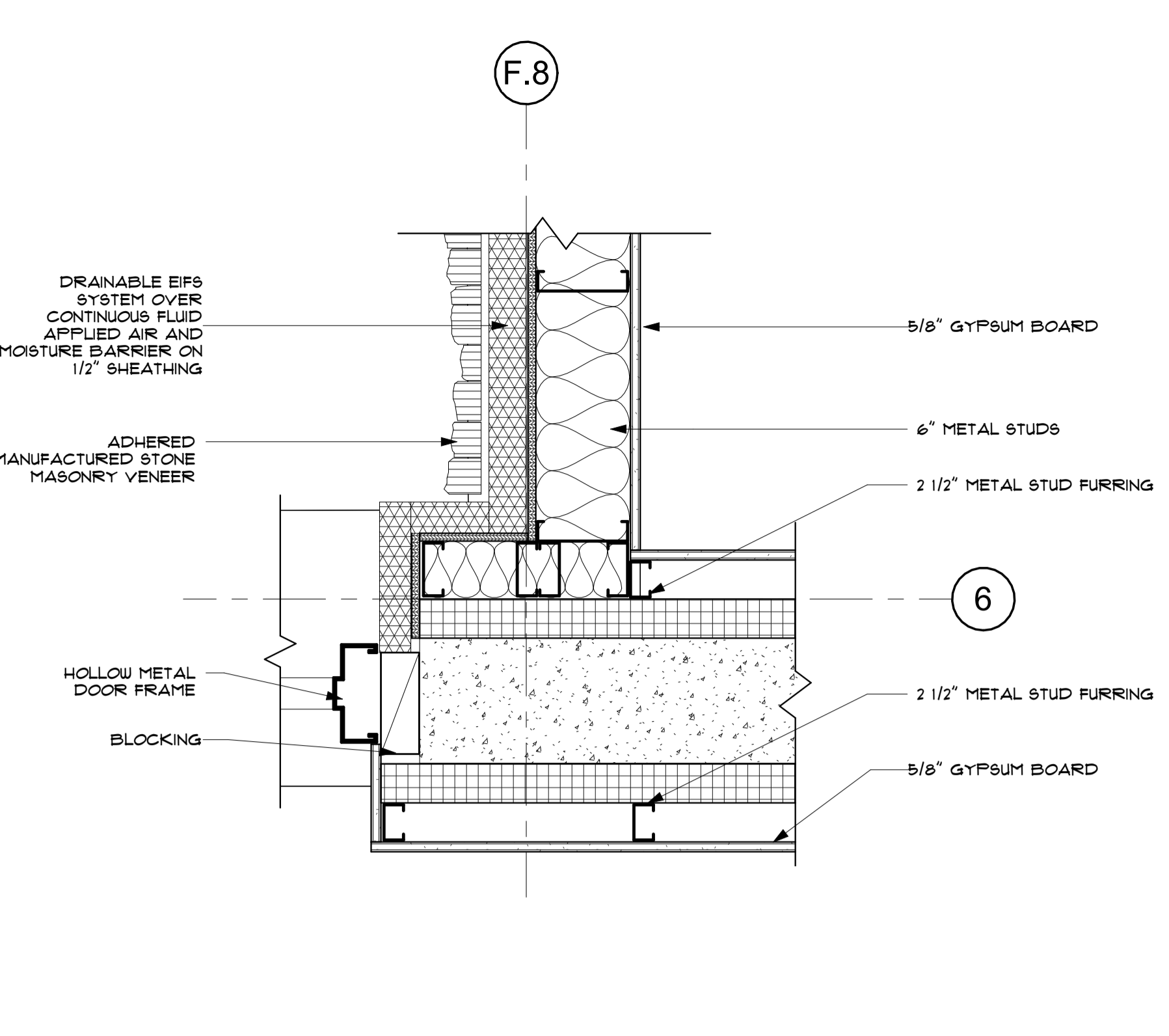
blueriver ARCHITECTS
A Native American Owned Firm

BLUE RIVER PROJECT NUMBER: 20230011
 ISSUE DATE: 08/16/2024
 ISSUE: CONSTRUCTION DOCUMENTS
 OTHER ISSUE DATES: NO DESCRIPTION DATE
 1 Addendum 3 09/12/2024

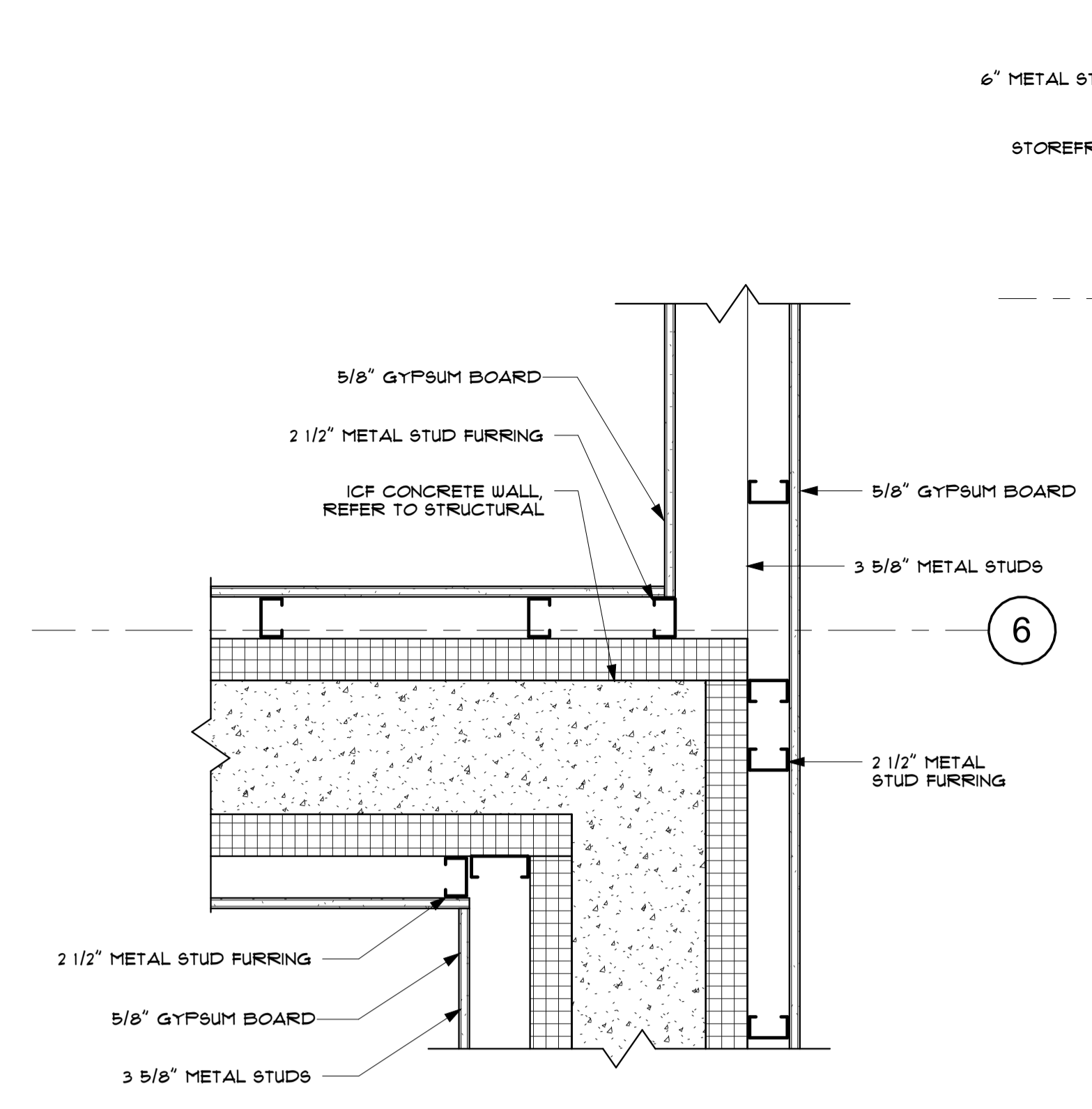
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ENLARGED PLANS & INTERIOR ELEVATIONS

SHEET NUMBER:
A401

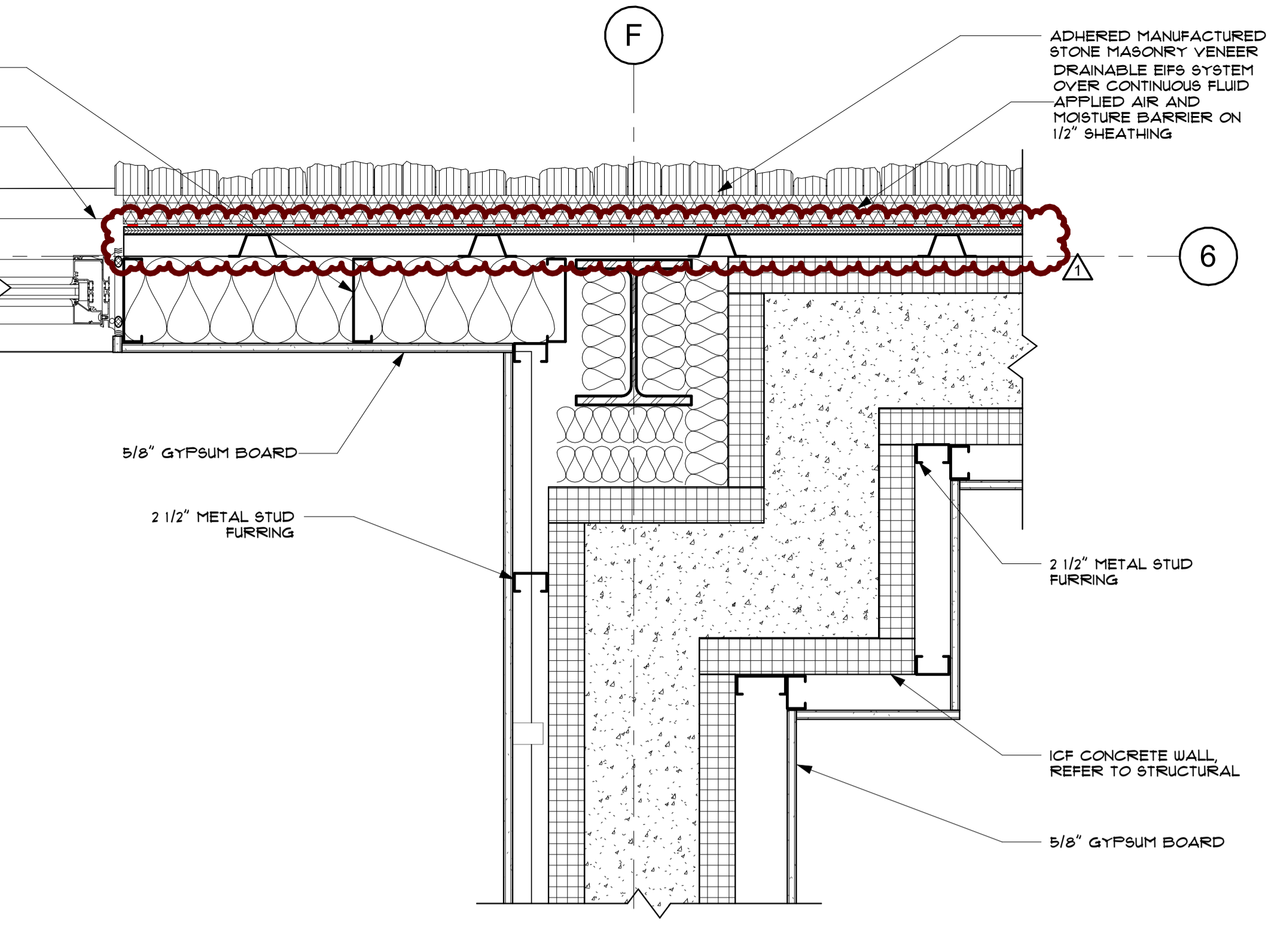
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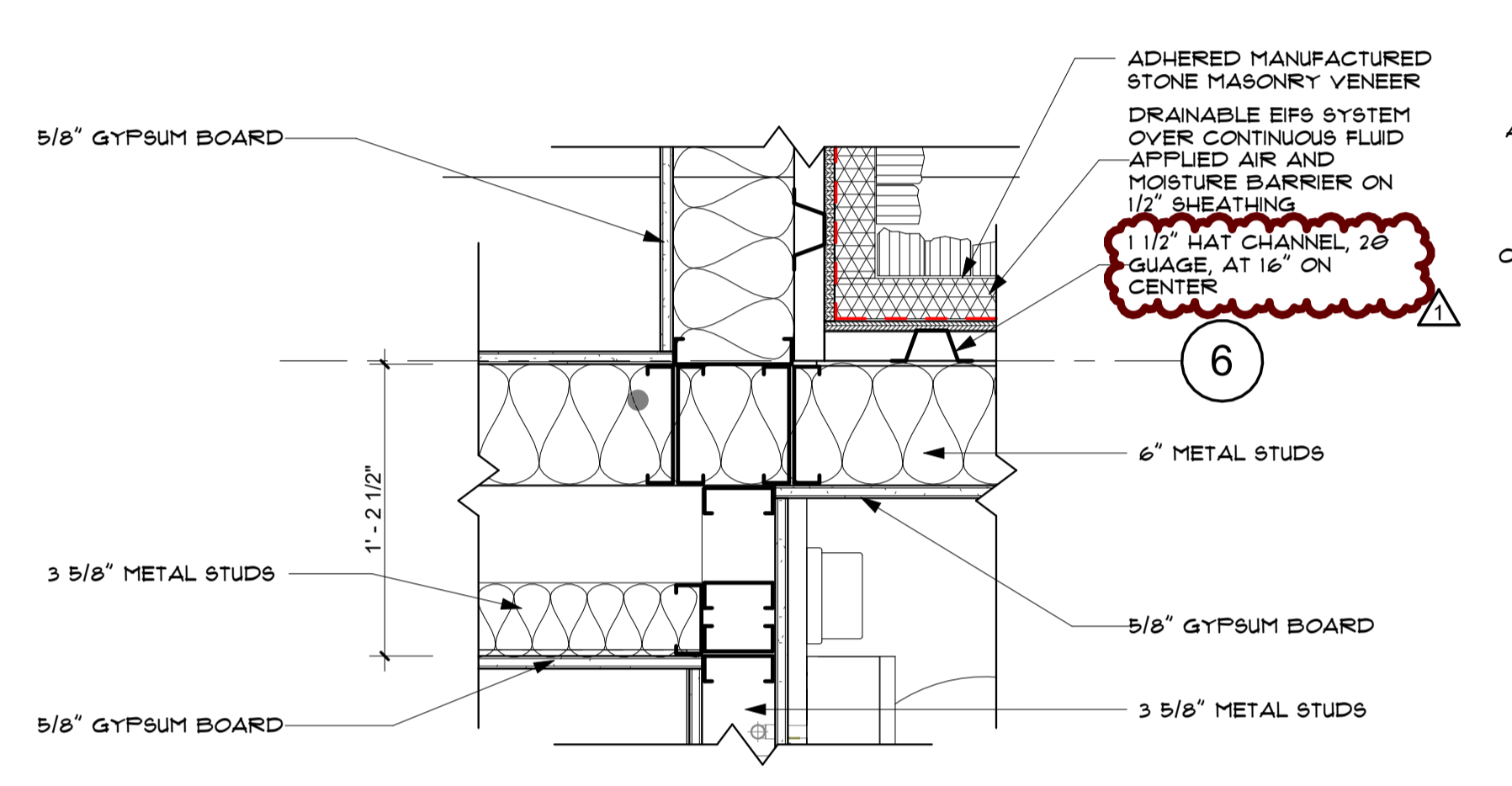
N PLAN DETAIL
1 1/2" = 1'-0"
REF FROM: A / A101A



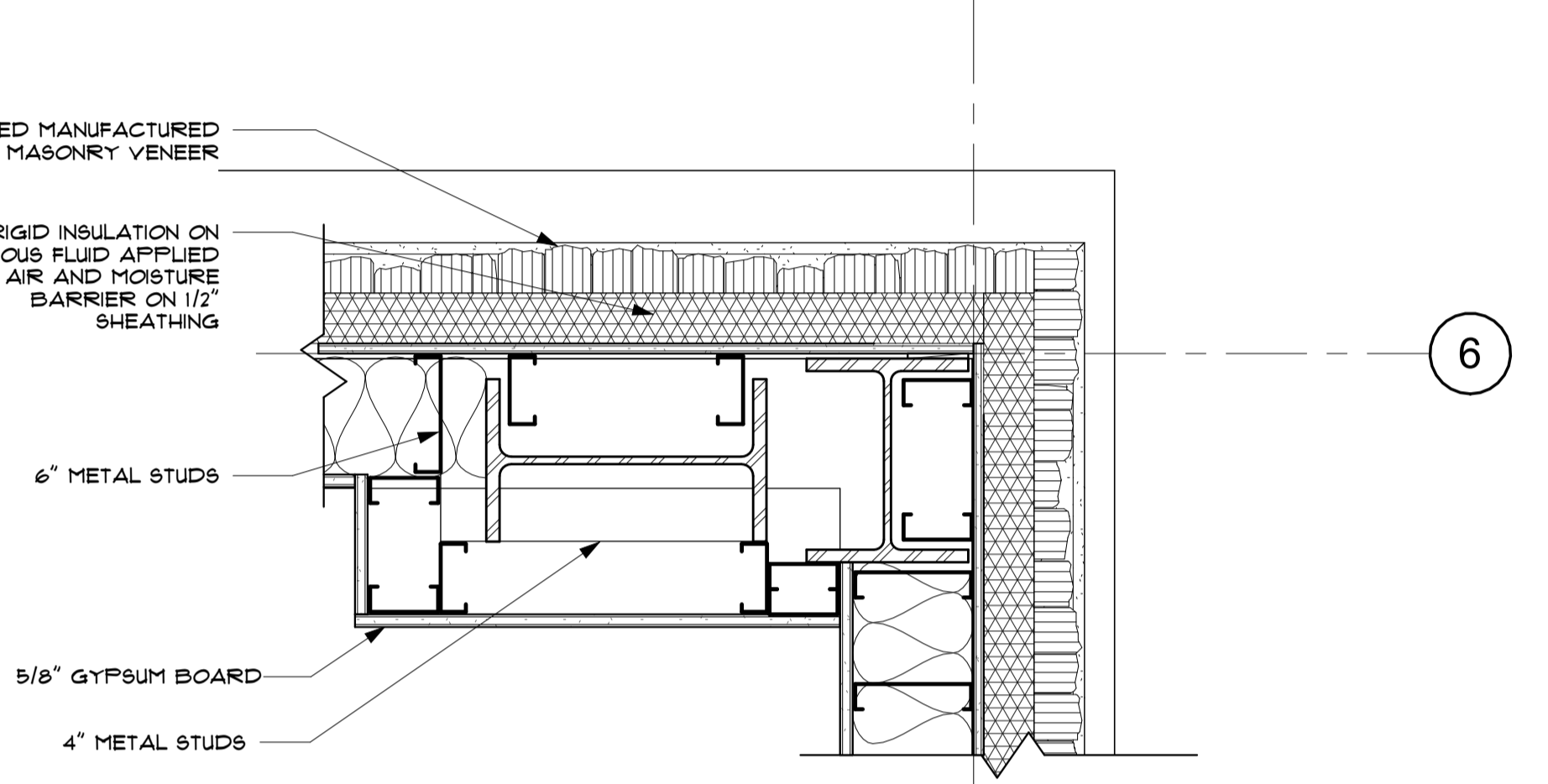
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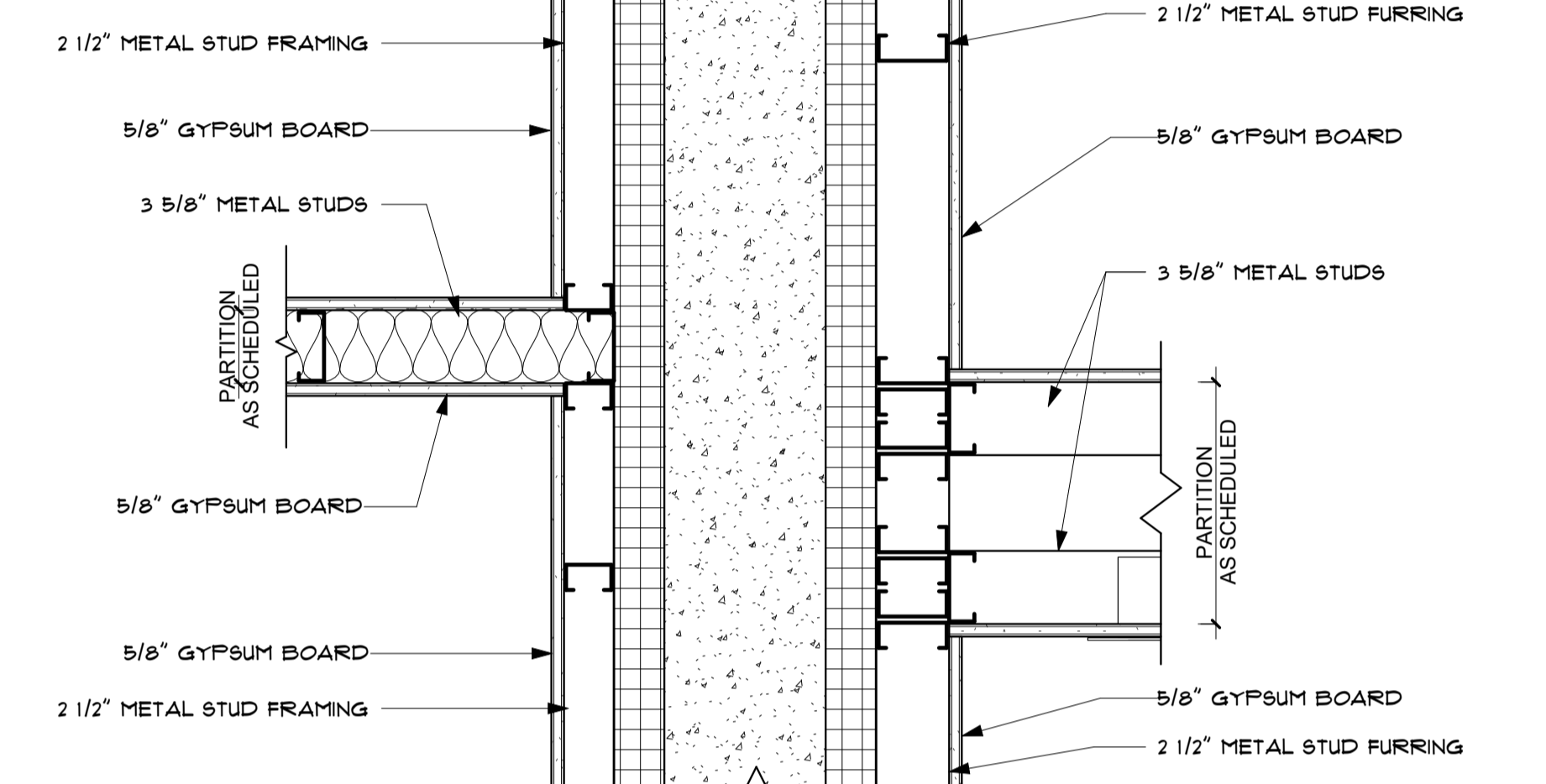
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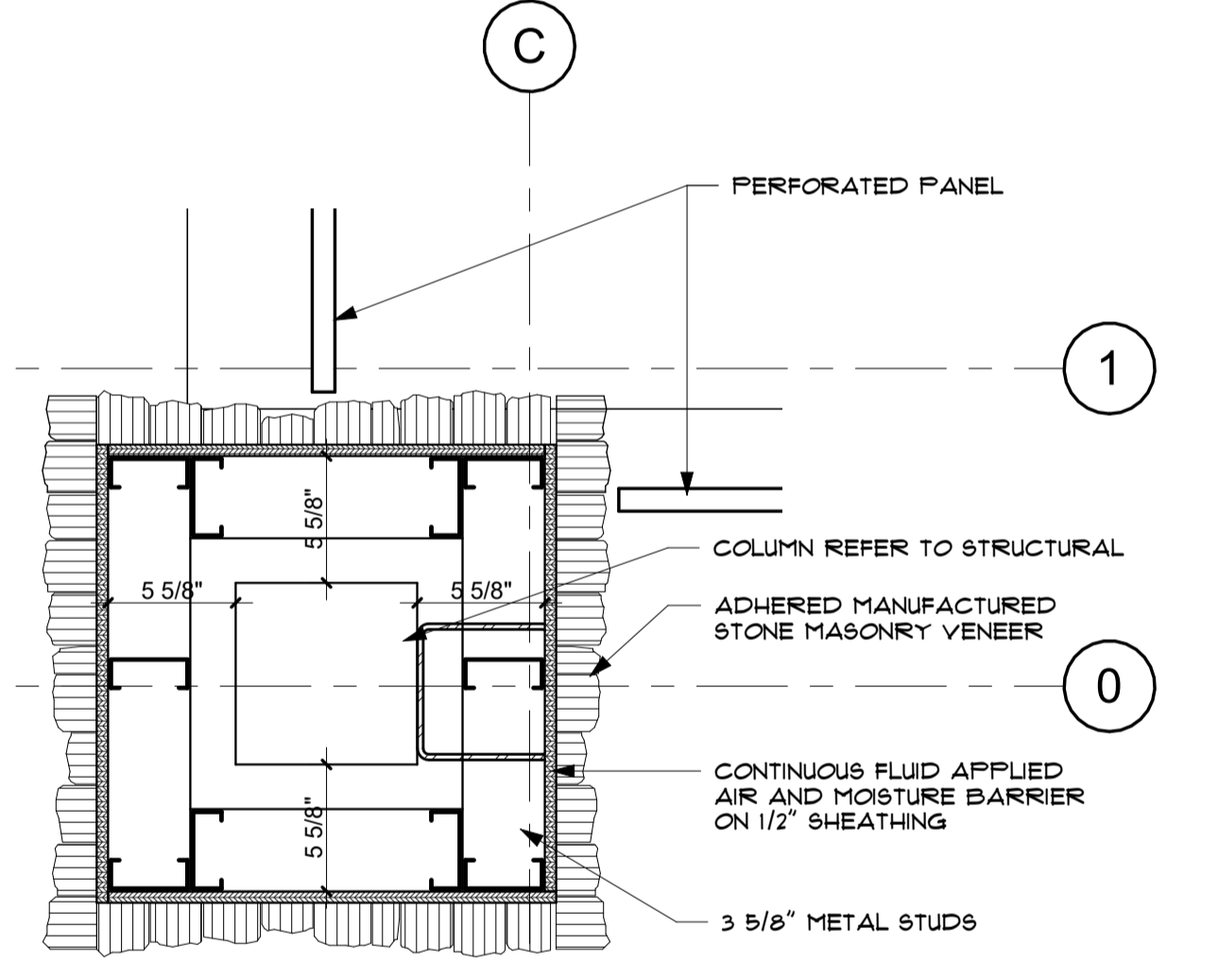
K PLAN DETAIL
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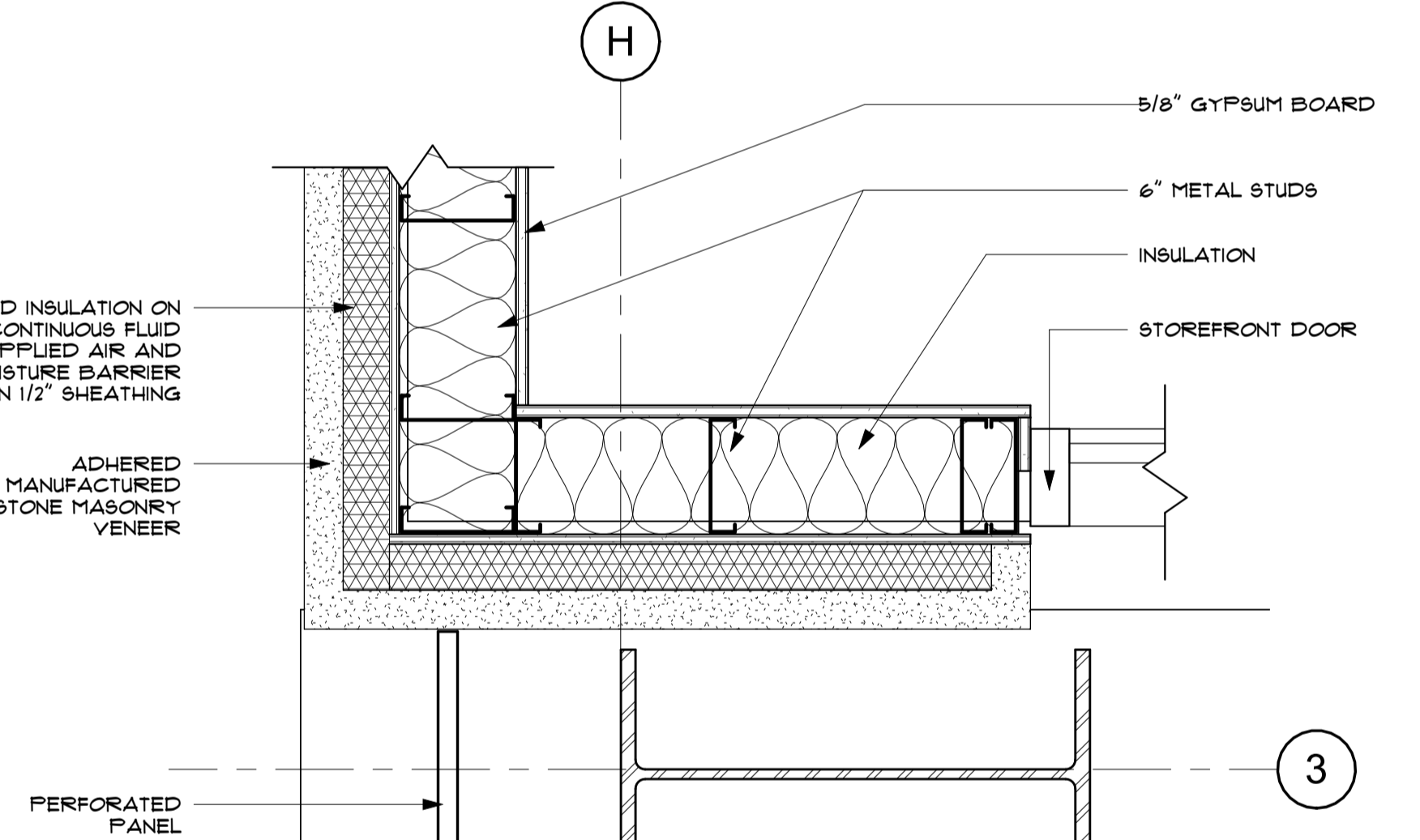
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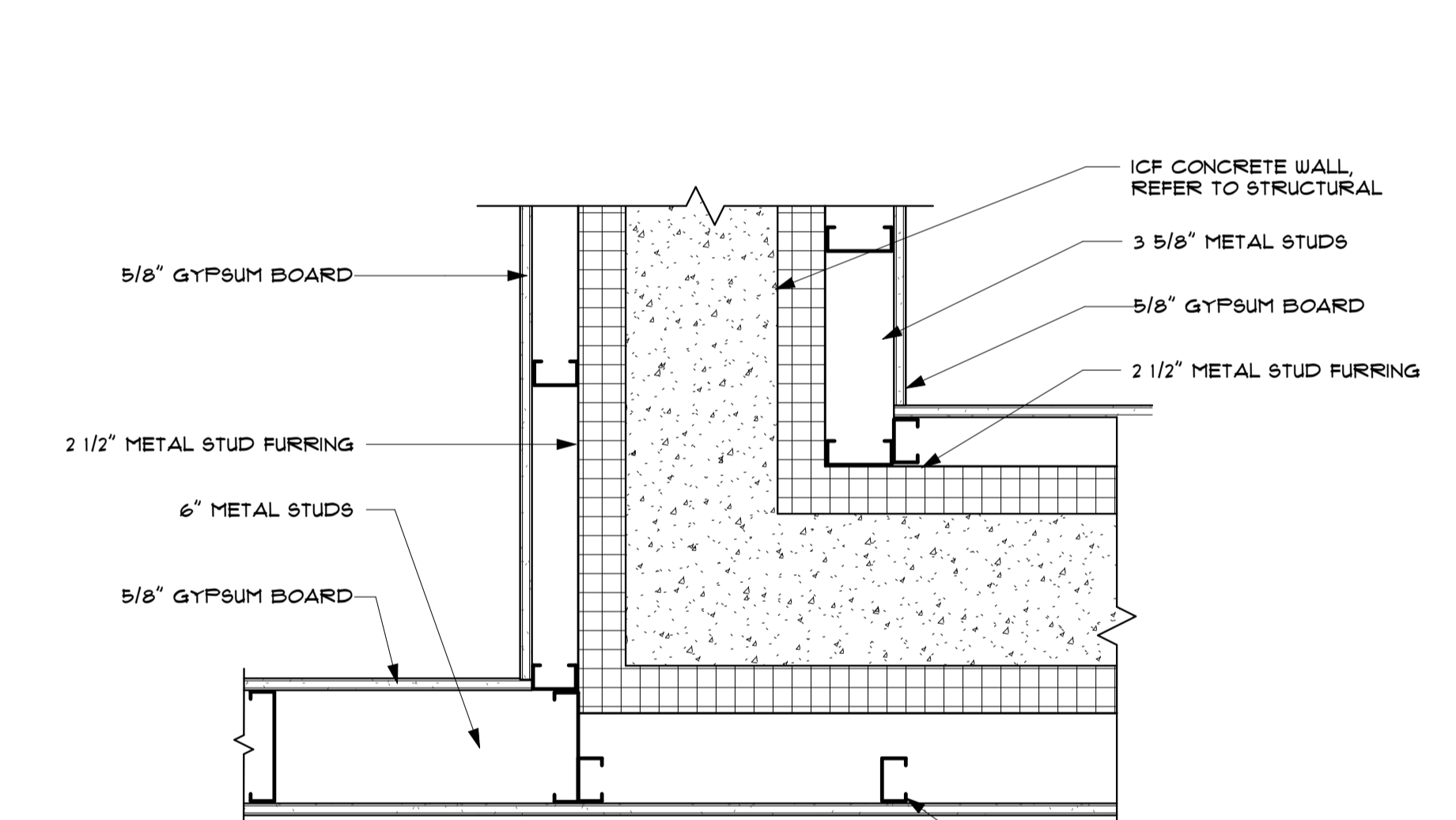
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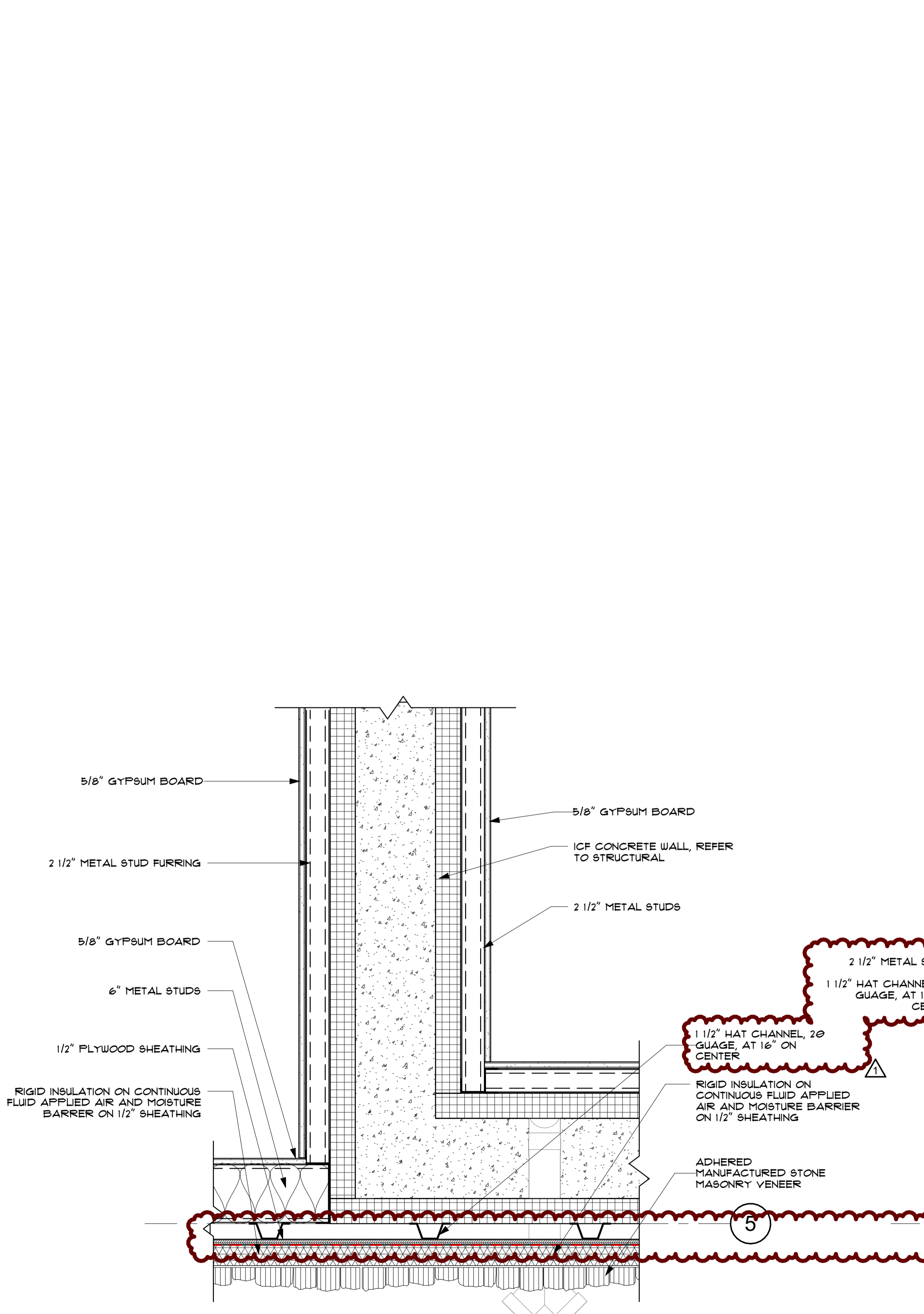
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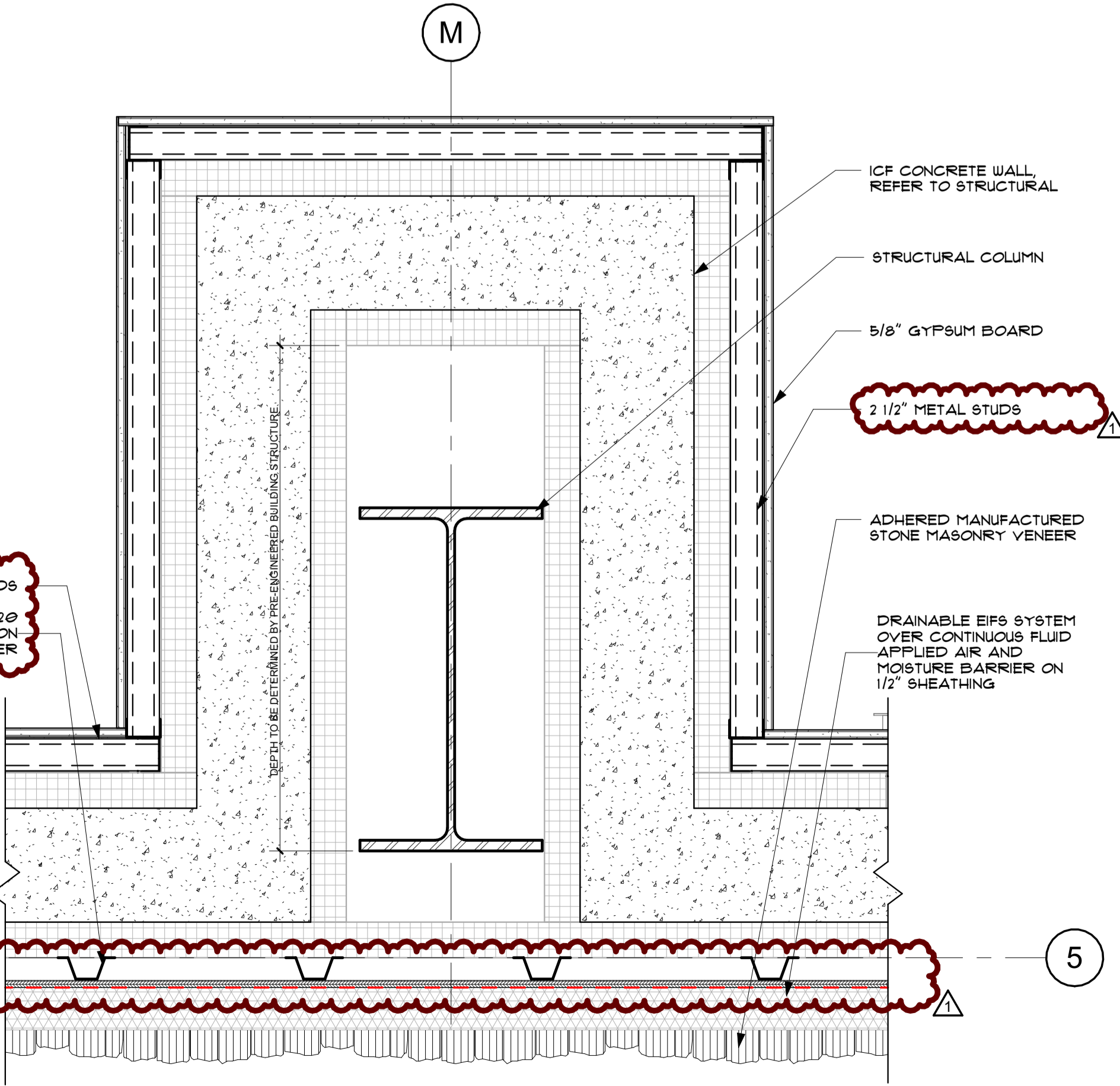
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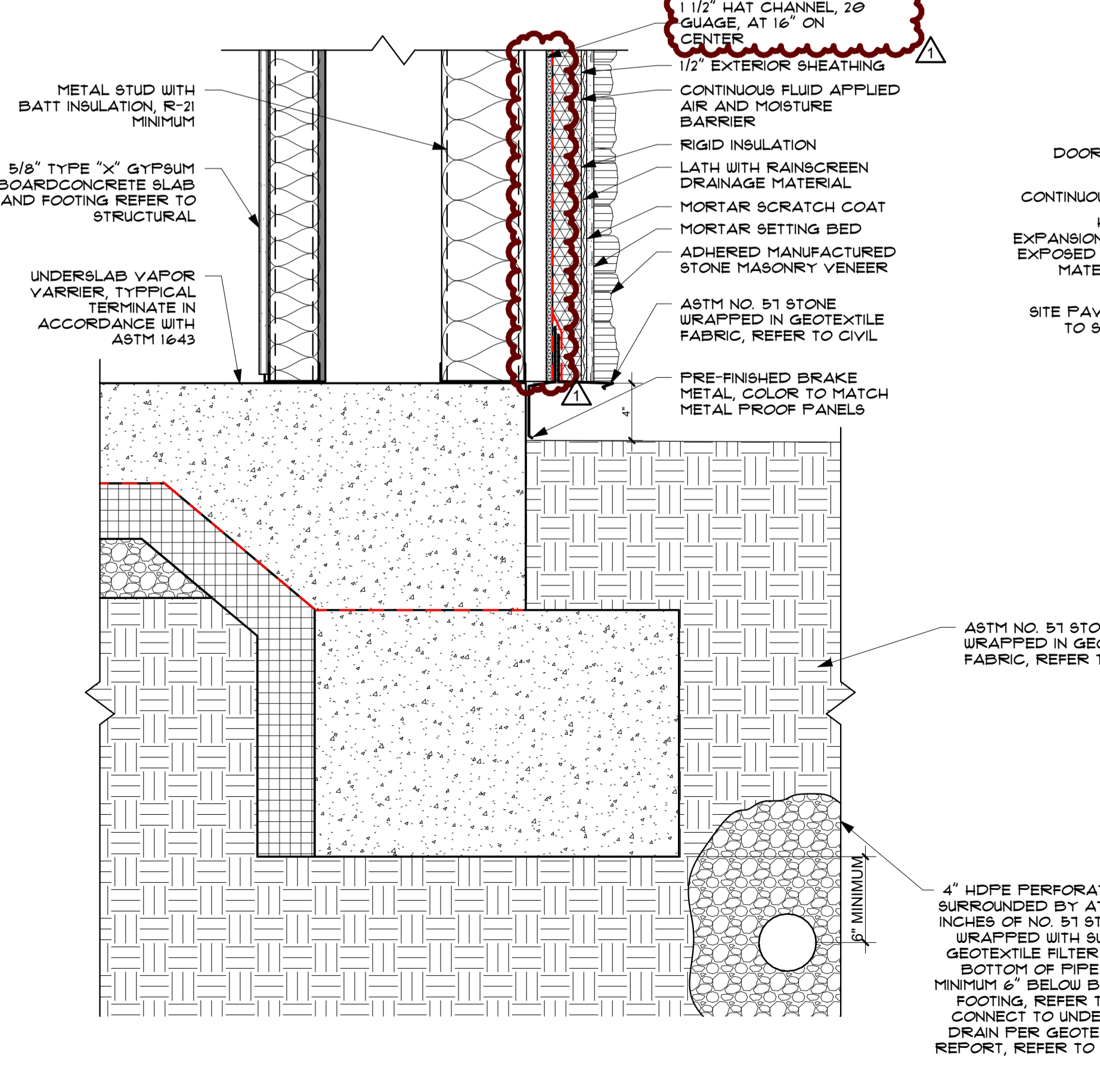
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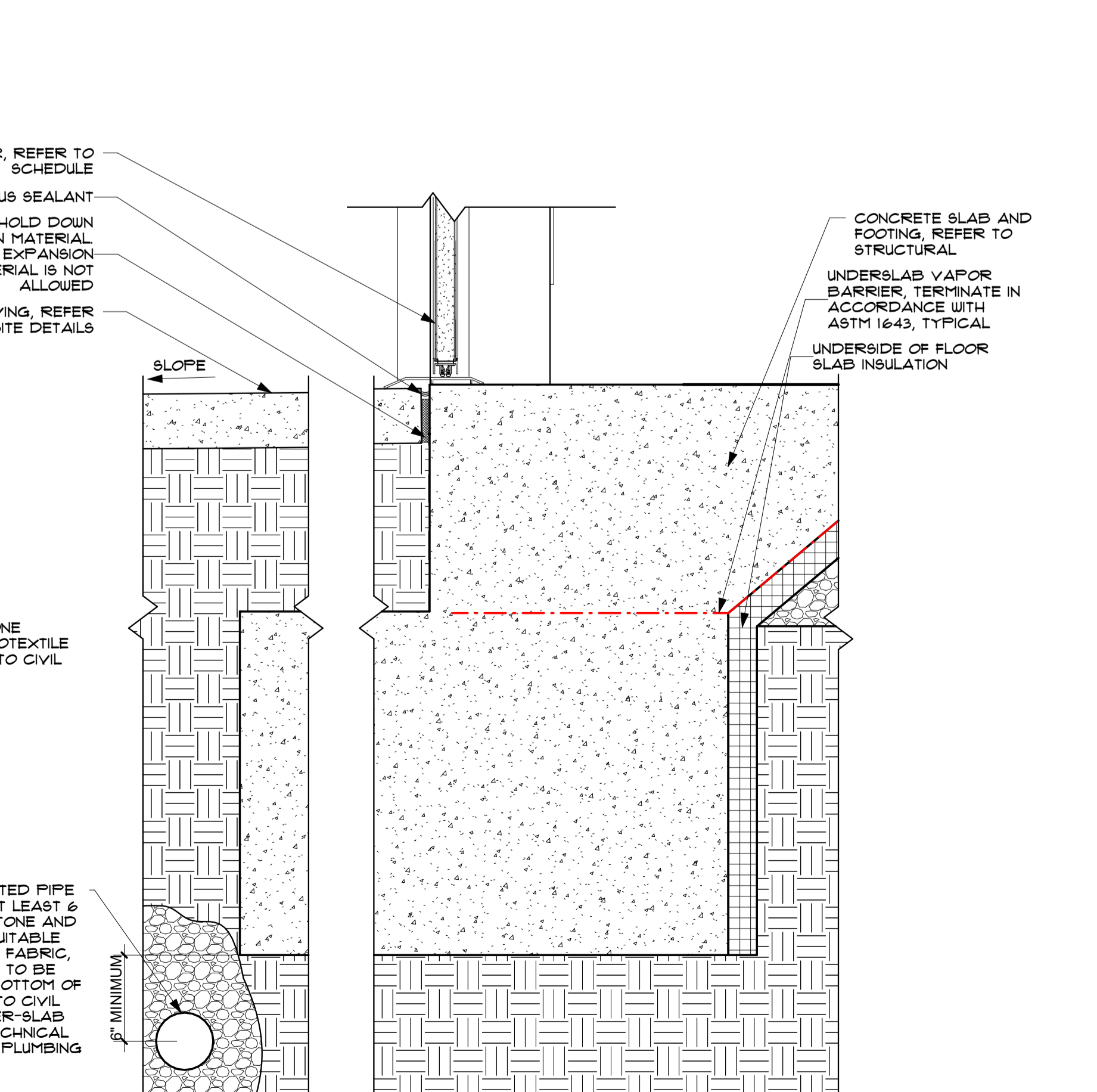
D PLAN DETAIL
1 1/2" = 1'-0"
REF FROM: A / A101B



C PLAN DETAIL
1 1/2" = 1'-0"
REF FROM: A / A101B

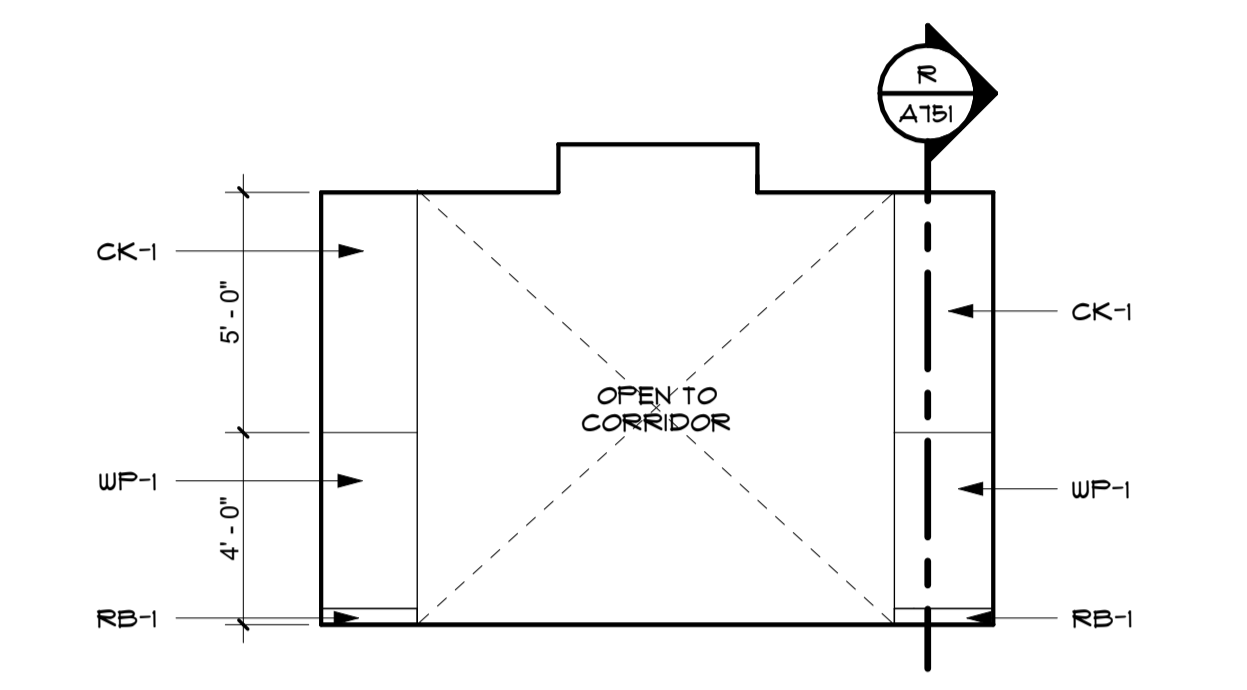


B SECTION DETAIL
1 1/2" = 1'-0"
P

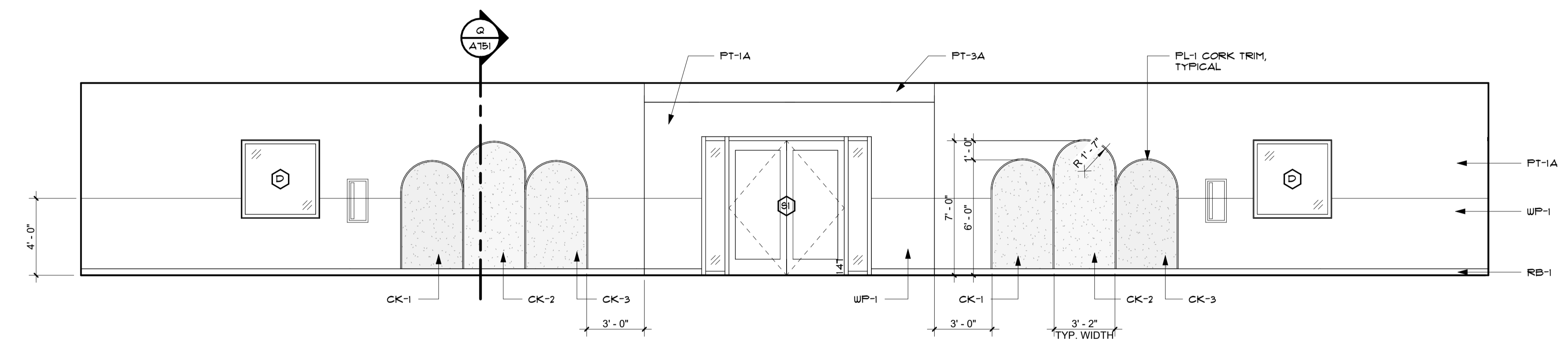


A SECTION DETAIL
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REF FROM: E / A311

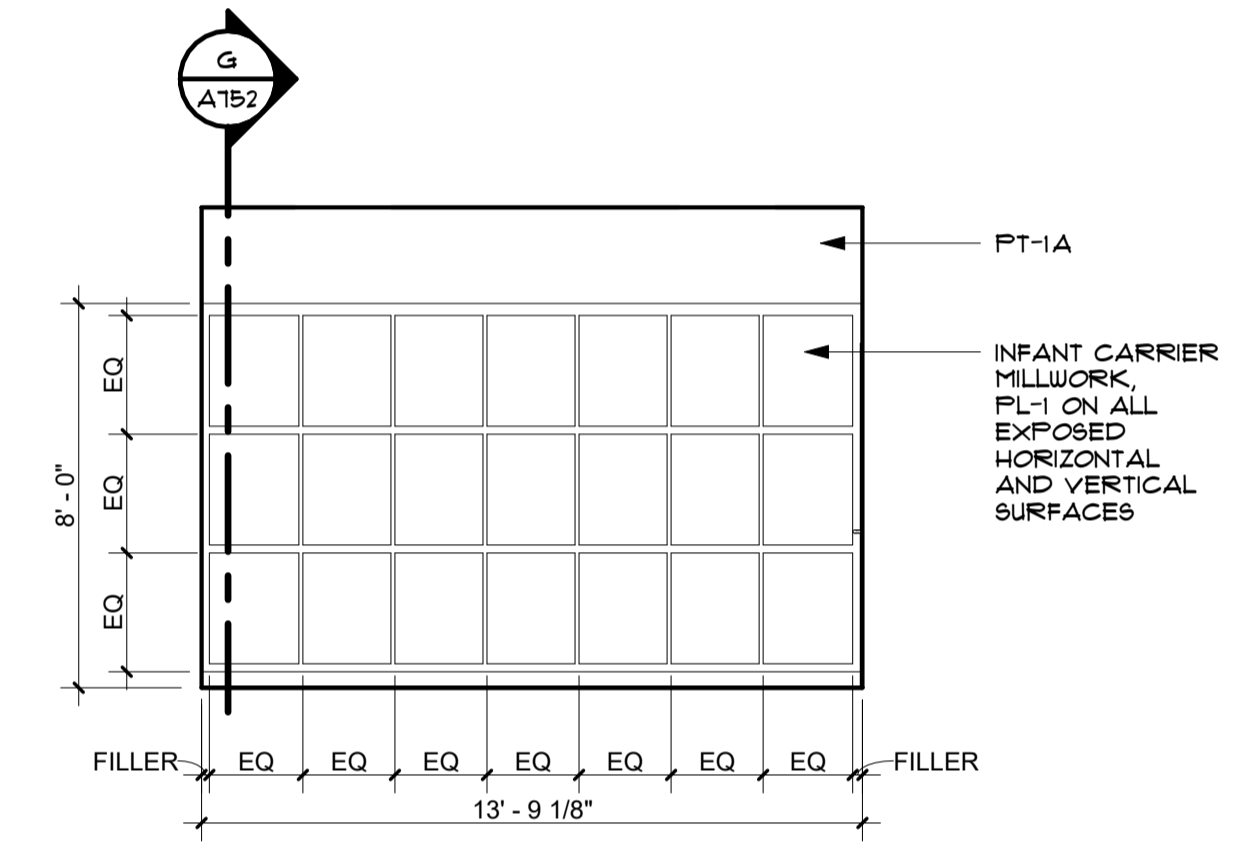
- INTERIOR ELEVATION GENERAL NOTES**
1. REFER TO 0601 FOR STANDARD MOUNTING HEIGHTS.
 2. REFER TO SHEET A61 FOR DOOR SCHEDULE.
 3. REFER TO SHEET A62 FOR WINDOW TYPES.
 4. PROVIDE BLOCKING AT ALL WALL CABINETS AND ALL WALL MOUNTED EQUIPMENT.
 5. EQUIPMENT SHOWN IN DASH AND/OR HALFTONE SHALL BE CONTRACTOR FURNISHED, CONTRACTOR INSTALLED. EQUIPMENT IS SHOWN HERE FOR COORDINATION AND BACKING PURPOSES ONLY. MAKES AND MODELS SHALL BE CONFIRMED WITH OWNER.
 6. REFER TO SHEET A76 AND A78 FOR CASEWORK DETAILS.
 7. EXPOSED SURFACES OF CABINETS FINISHED TO MATCH FACE.
 8. ALL COUNTERTOPS SHALL HAVE EASED EDGE CORNERS AT ALL EXPOSED EXTERIOR CORNERS.
 9. ALL EXPOSED PIPES UNDER RESTROOM SINKS TO HAVE INSULATION WRAP.
 10. PROVIDE TELEVISIONS AT LOCATIONS INDICATED. PROVIDE BLOCKING.



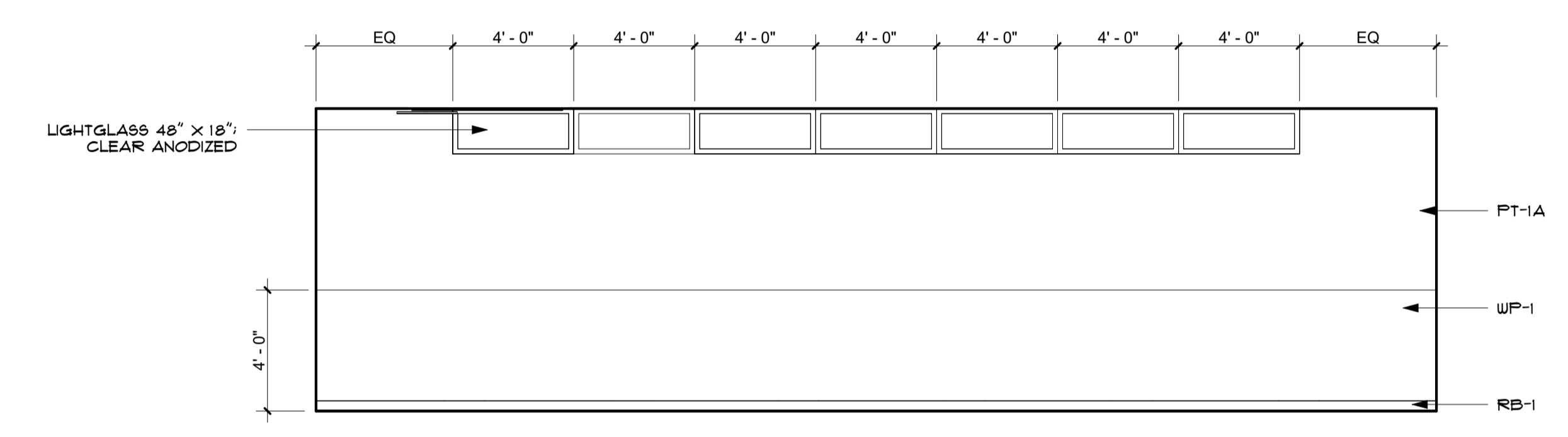
P CLASSROOM CORRIDOR
1/4" = 1'-0"



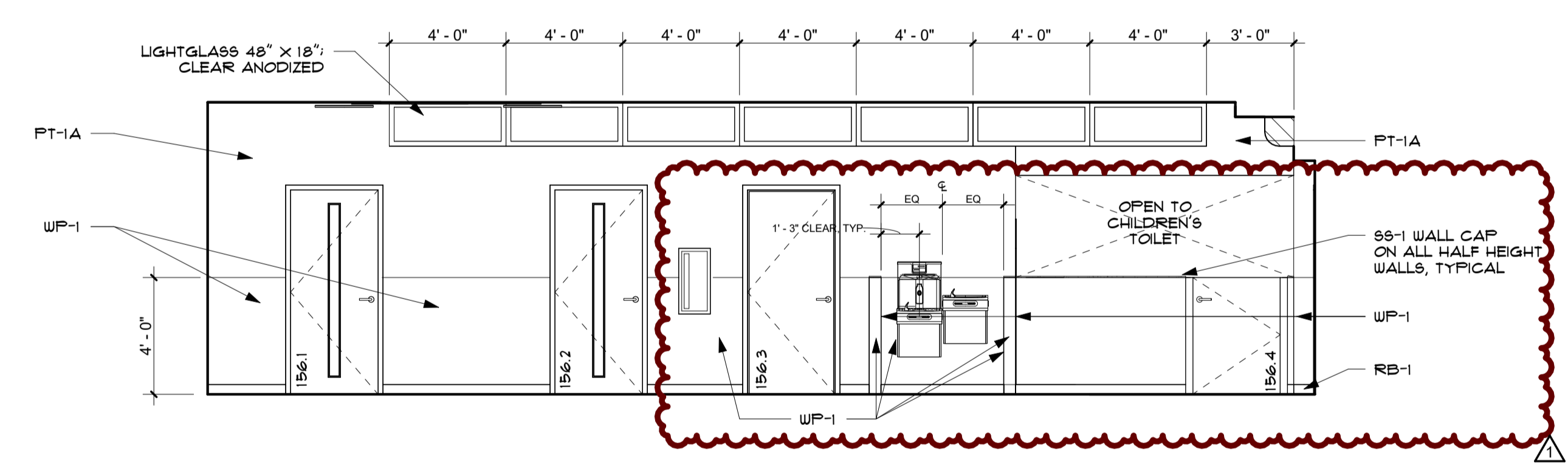
N CLASSROOM CORRIDOR
1/4" = 1'-0"



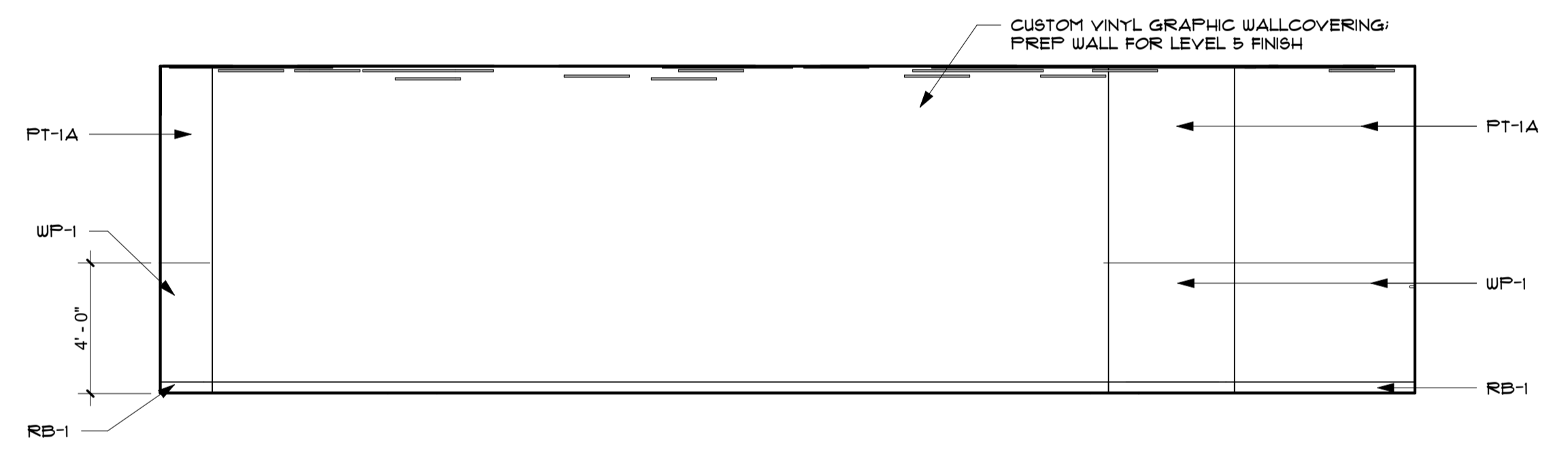
M CARSEAT STORAGE
1/4" = 1'-0"



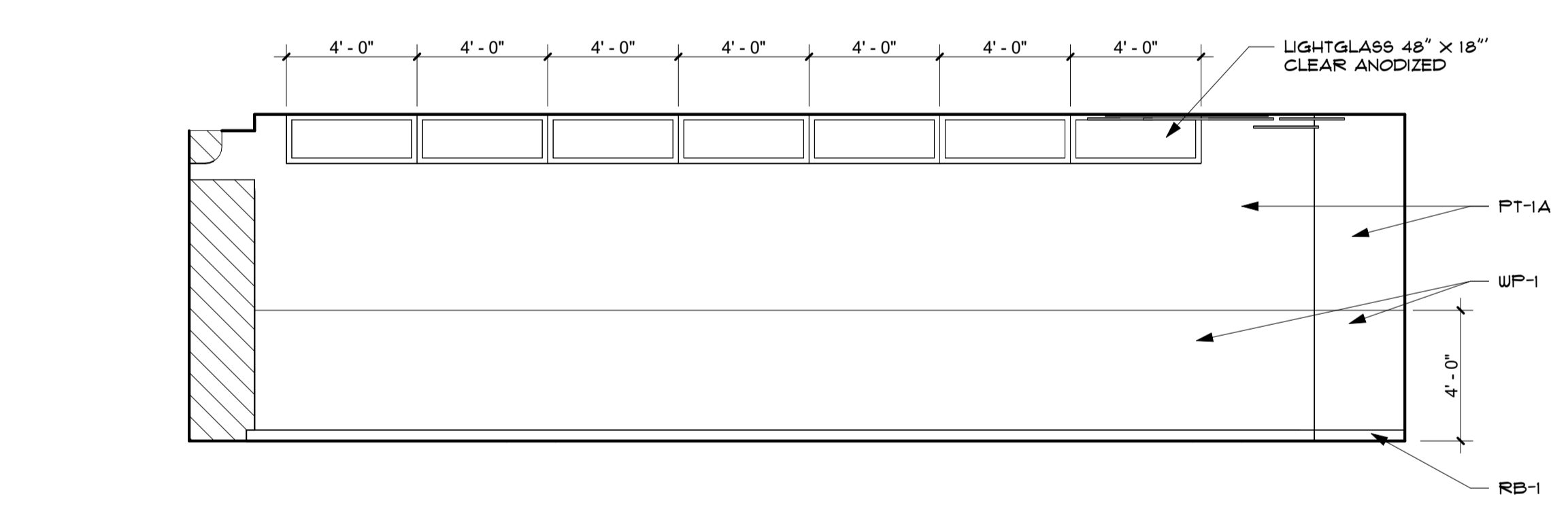
L GROSS MOTOR - AREA A
1/4" = 1'-0"



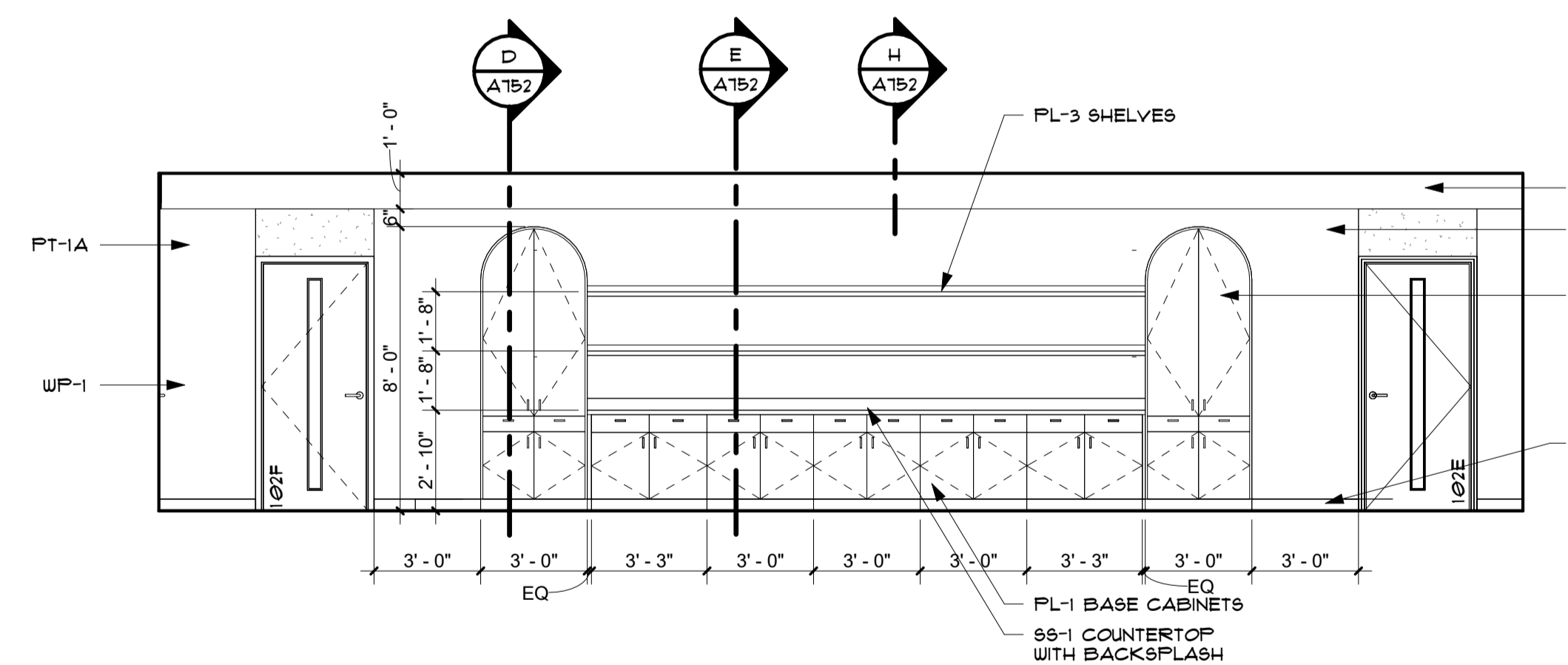
K GROSS MOTOR - AREA B
1/4" = 1'-0"



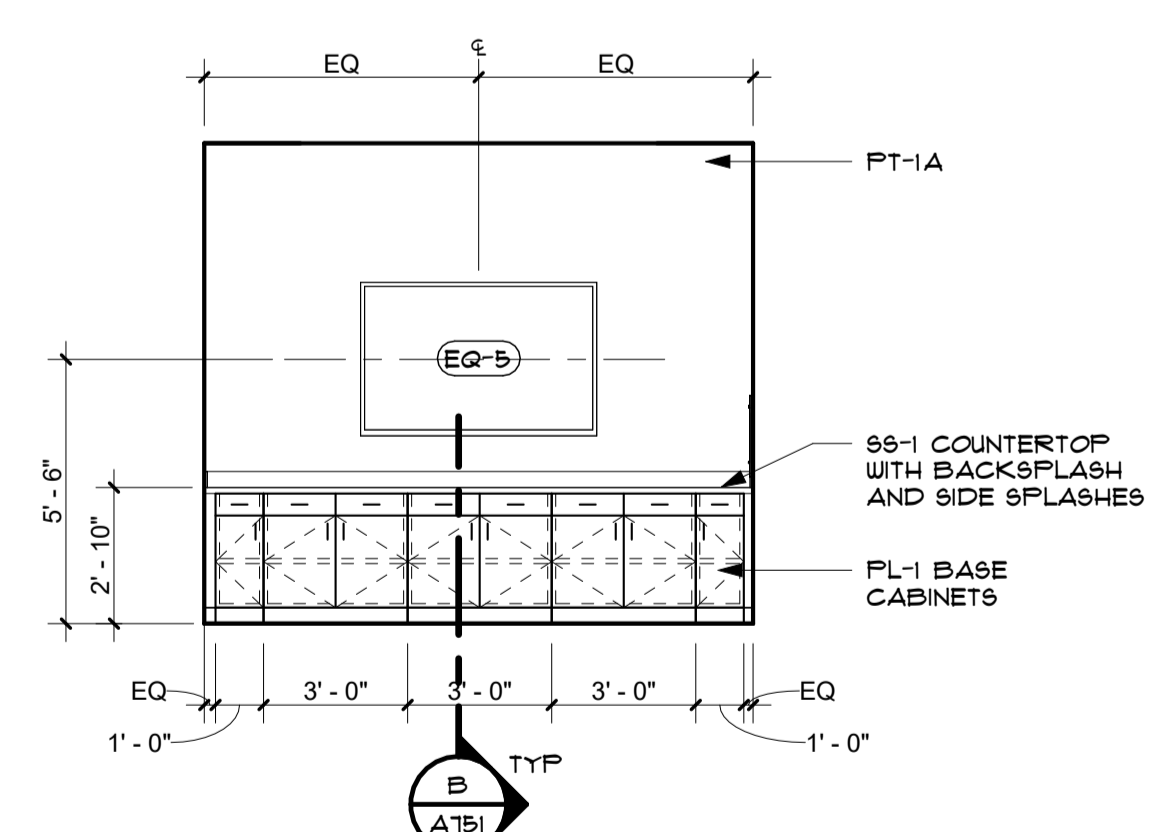
J GROSS MOTOR - AREA B
1/4" = 1'-0"



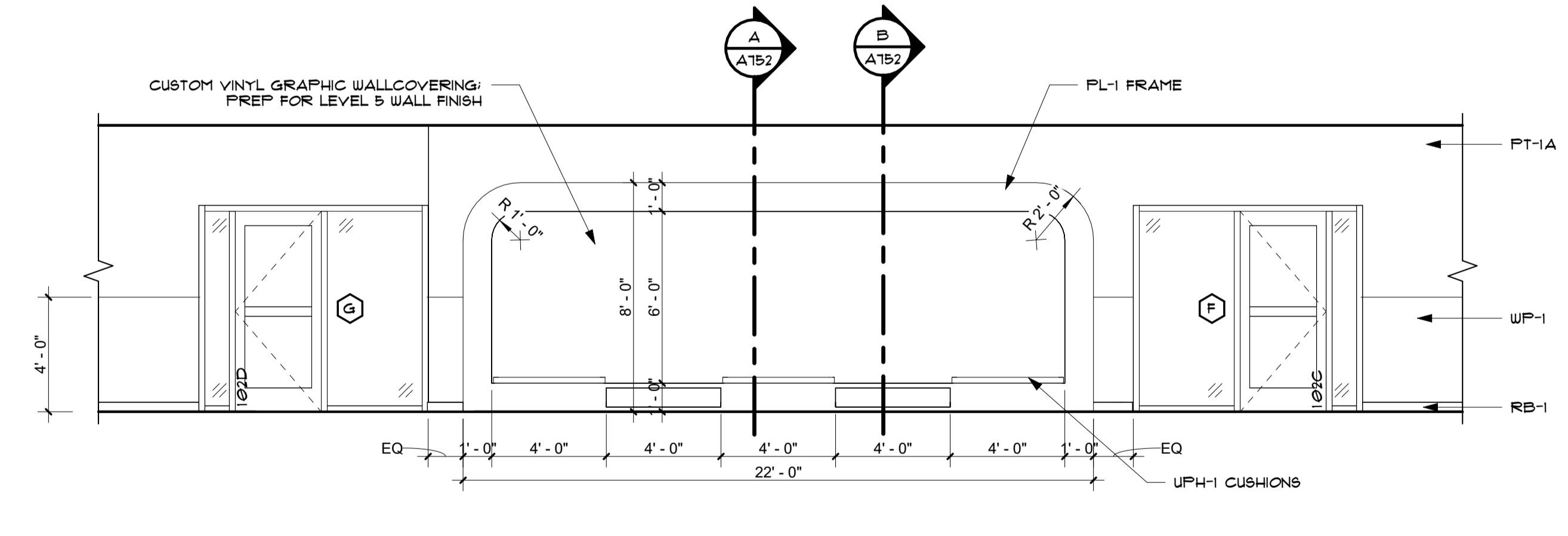
H GROSS MOTOR - AREA B
1/4" = 1'-0"



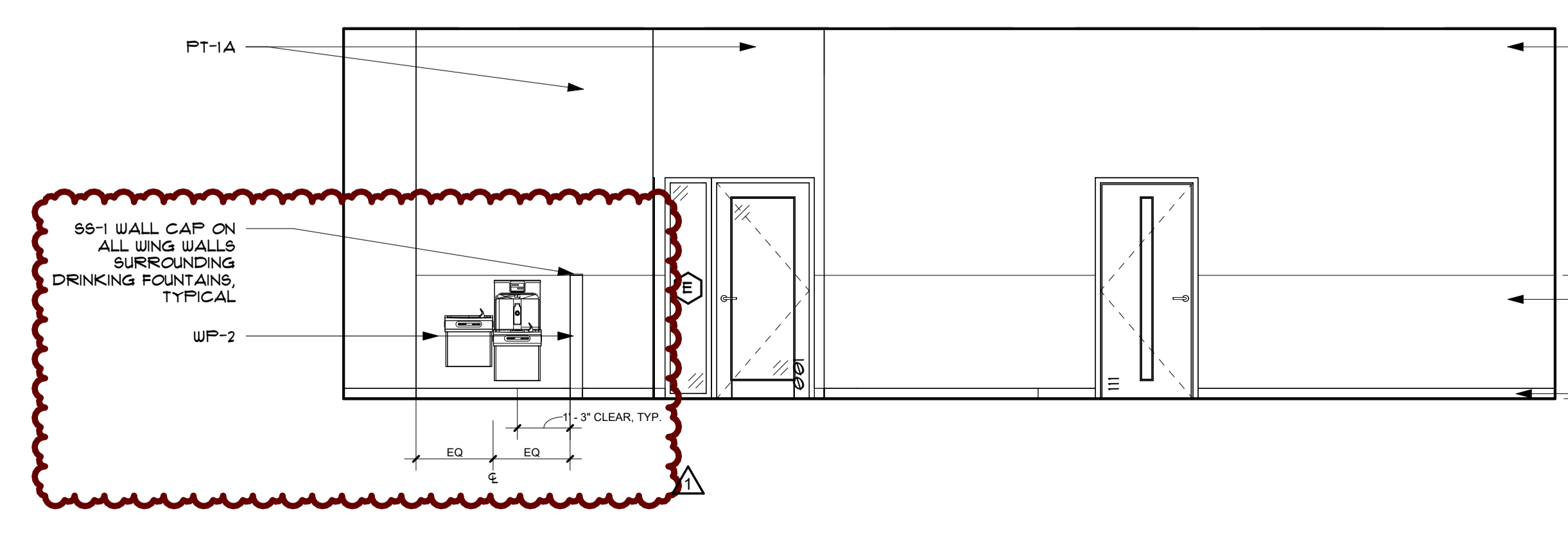
G GROSS MOTOR - AREA B
1/4" = 1'-0"



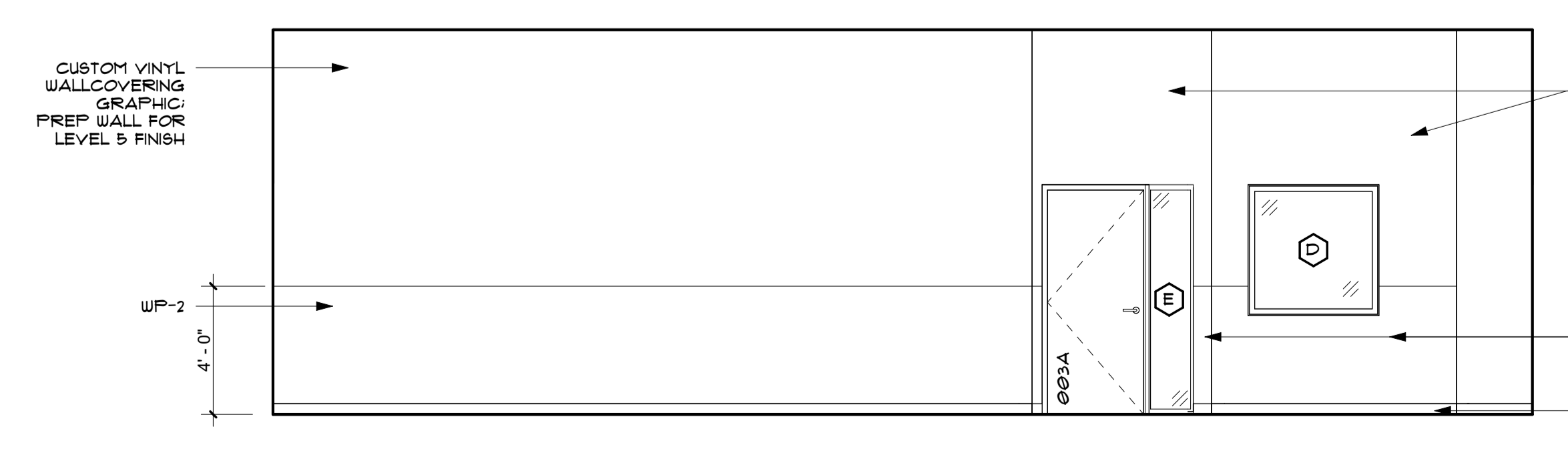
F CONFERENCE ELEVATION
1/4" = 1'-0"



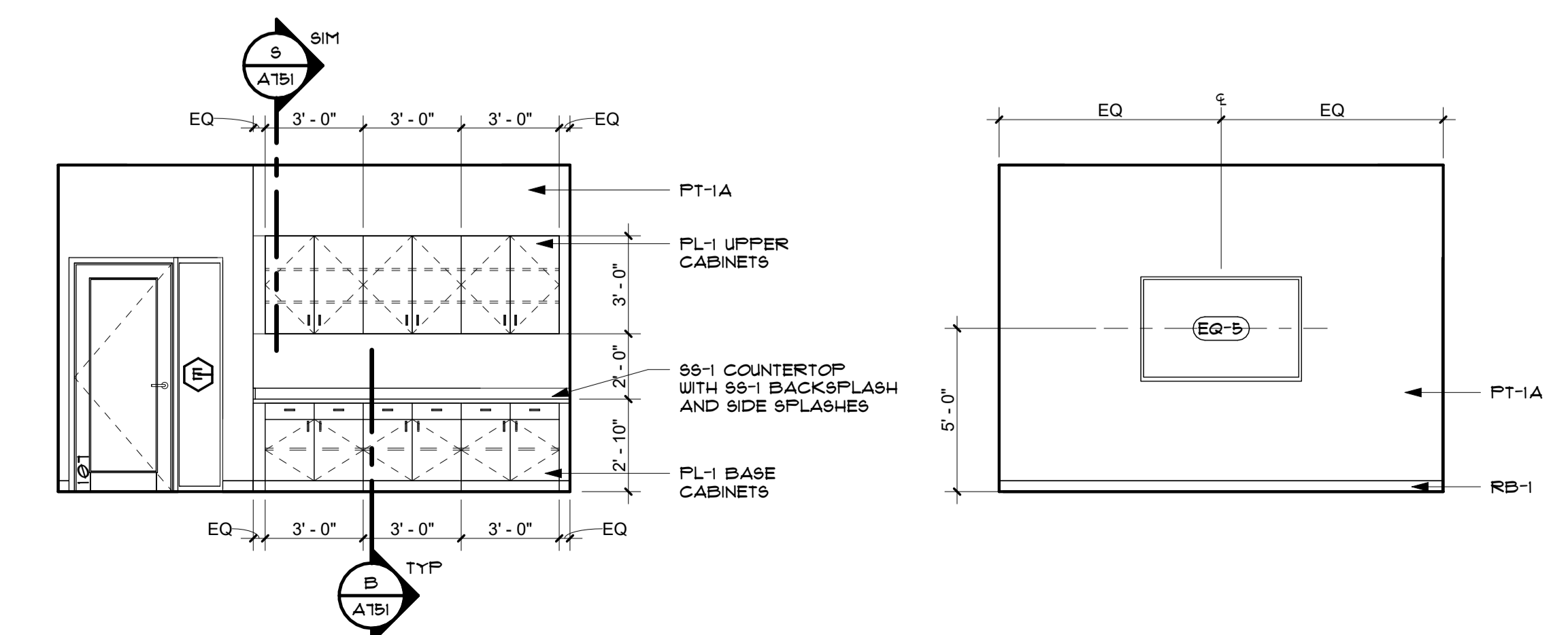
E CHILDREN BOOK SEATING
1/4" = 1'-0"



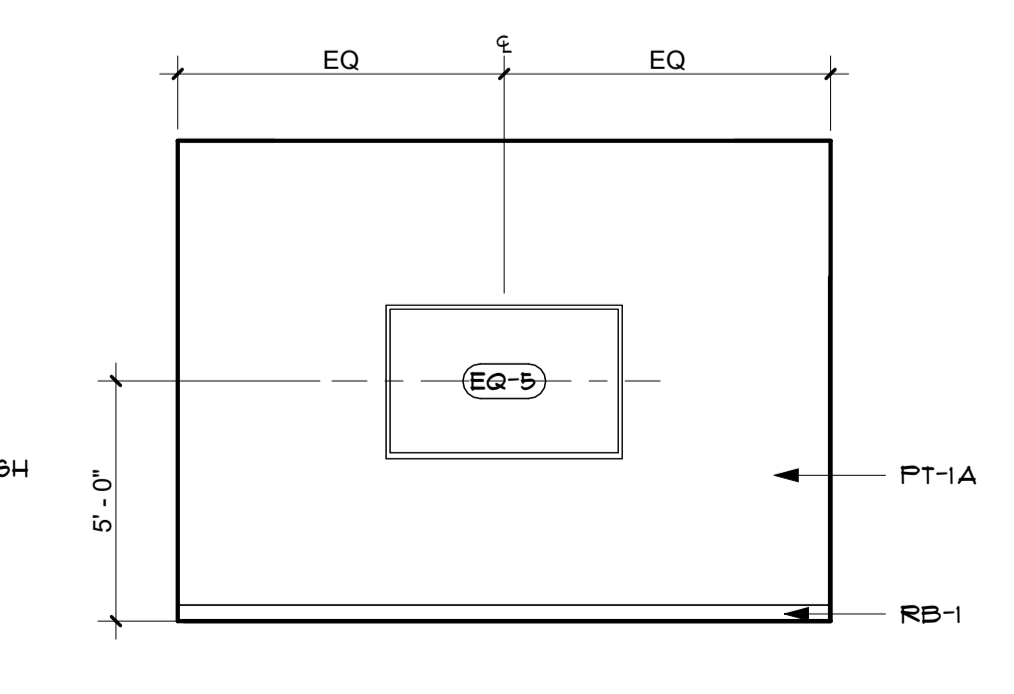
D RECEPTION ELEVATION
1/4" = 1'-0"



C RECEPTION ELEVATION
1/4" = 1'-0"



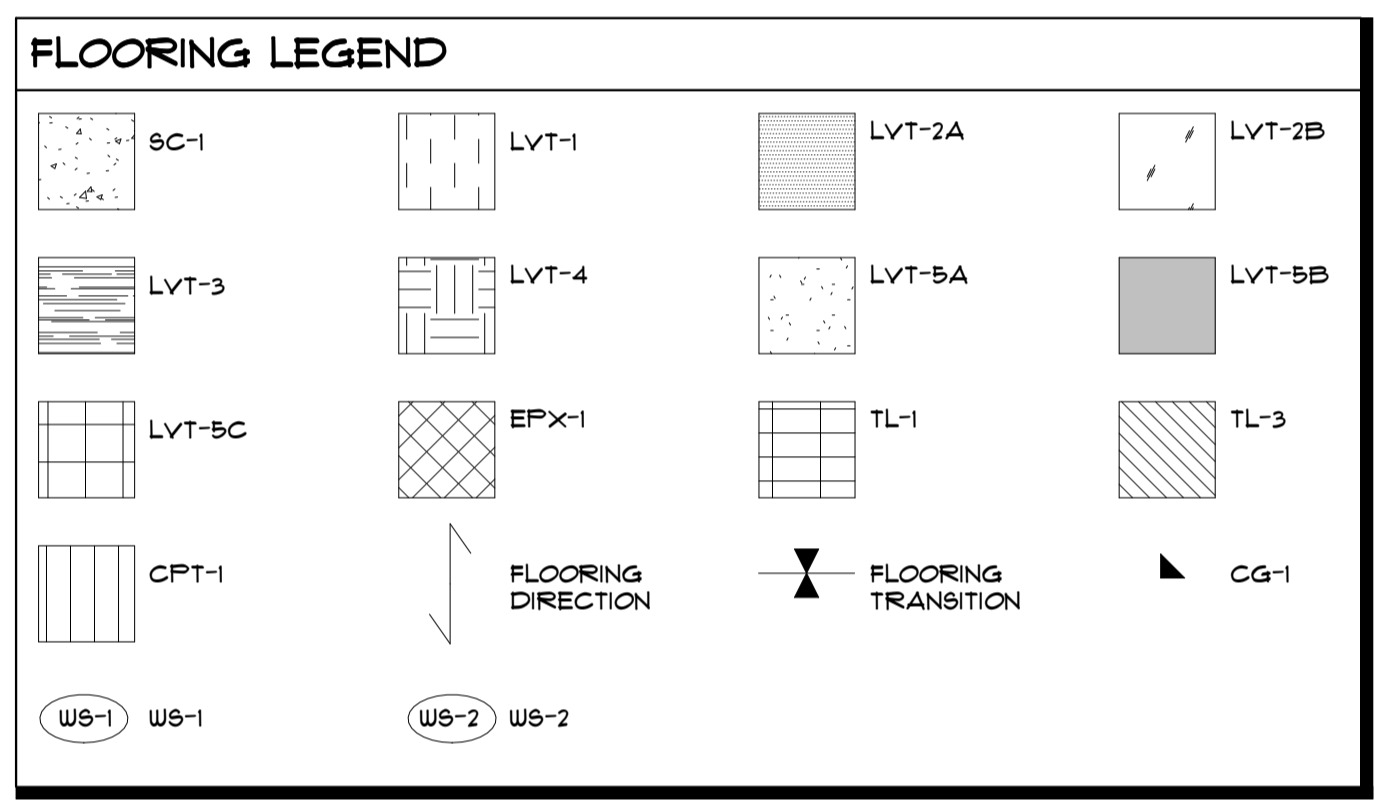
B CONFERENCE ELEVATION
1/4" = 1'-0"



A CONFERENCE ELEVATION
1/4" = 1'-0"

INTERIOR FINISH SCHEDULE										
ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	COMMENTS	
02	VESTIBULE ENTRY / RECEPTION	CPT-1, LVT-1, LVT-3, LVT-4	RB-1	FT-1A	FT-1A, UP-2	FT-1A	FT-1A, UP-2	ACT-1, PL-4, PL-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
03	IT	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
04	STORAGE	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
05	SECURITY	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
06	SCREENING / TESTING CONFERENCE ROOM	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
08	WOMEN'S	TL-3	TB-2	FT-1B	FT-1B, TL-4	FT-1B	FT-1B, TL-4	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
09	MEN'S	TL-3	TB-2	FT-1B	FT-1B, TL-4	FT-1B	FT-1B, TL-4	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
10	FAMILY	TL-3	TB-2	FT-1B	FT-1B	FT-1B, TL-4	FT-1B	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
11	NURSE	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
11.1	TOILET	TL-3	TB-2	FT-1B	FT-1B	FT-1B	FT-1B, TL-4	FT-1B	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
12	PRE-SCHOOL CLASSROOM	LVT-2B	RB-1	FT-1A	FT-1A, WC-1, CK-1	FT-1A	FT-1A, PT-4A	ACT-1, ACT-3, FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
12.1	STORAGE	LVT-2B	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
13	CLASSROOM SUPPORT	LVT-1	TB-1	FT-1A	FT-1A, PT-4A, TL-1, TL-2, FT-1A	FT-1A	FT-1A, PT-4A	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
14	PRE-SCHOOL CLASSROOM	LVT-2B	RB-1	FT-1A	FT-1A, PT-4A	FT-1A	FT-1A, WC-1, CK-1	ACT-1, ACT-3, FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
14.1	STORAGE	LVT-2B	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
15	CLASSROOM VESTIBULE	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
16	PRE-SCHOOL CLASSROOM	LVT-2B	RB-1	FT-1A	FT-1A, PT-4A	FT-1A	FT-1A, WC-1, CK-1	ACT-1, ACT-3, FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
16.1	STORAGE	LVT-2B	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
11.1	CLASSROOM SUPPORT	LVT-1	TB-1	FT-1A	FT-1A, PT-4A	FT-1A	FT-1A, PT-4A	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
18	PRE-SCHOOL CLASSROOM	LVT-2B	RB-1	FT-1A	FT-1A, WC-1, CK-1	FT-1A	FT-1A, PT-4A	ACT-1, ACT-3, FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
18.1	STORAGE	LVT-2B	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
19	CLASSROOM VESTIBULE	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
20	OUTDOOR STORAGE	LVT-2B	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
21	GROSS MOTOR ROOM / STORM SHELTER	LVT-2B	RB-1	FT-1A	FT-1A, UP-1	FT-1A	FT-1A, UP-1	ACT-1, ACOS-2, ACOS-3, ACOS-4	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
21.1	CHILDREN'S TOILET	TL-1	TB-1	TL-1, TL-2, FT-1B	TL-1, TL-2, FT-1B	TL-1, TL-2, FT-1B	TL-1, TL-2, FT-1B	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
21.2	TOILET	TL-1	TB-1	FT-1B	FT-1B	TL-1, TL-2, FT-1B	FT-1B	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
22	STORAGE	SC-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
22.1	MECH	SC-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
22.2	MOTHER'S ROOM	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
23	MOTHER'S VESTIBULE	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
24	MOTHER'S ROOM	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
25	UTILITY VESTIBULE	EPX-1	EPB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
26	KITCHEN	EPX-1	EPB-1	FRP-1, FT-1B	FRP-1, FT-1B	FRP-1, FT-1B	FRP-1, FT-1B	ACT-2	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
26.1	DRY STORAGE	EPX-1	EPB-1	FRP-1, FT-1B	FRP-1, FT-1B	FRP-1, FT-1B	FRP-1, FT-1B	ACT-2	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
26.2	WALK-IN COOLER	EPX-1	EPB-1	FRP-1, FT-1B	FRP-1, FT-1B	FRP-1, FT-1B	FRP-1, FT-1B	ACT-2	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
26.3	WALK-IN FREEZER	EPX-1	EPB-1	FRP-1, FT-1B	FRP-1, FT-1B	FRP-1, FT-1B	FRP-1, FT-1B	ACT-2	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
26.4	KITCHEN OFFICE	EPX-1	EPB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-2	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
27	SHIPPING / RECEIVING	SC-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
28	OFFICE	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
29	TOILET	TL-3	TB-2	FT-1B	FT-1B	FT-1B, TL-4	FT-1B	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
30	JAN / LAUNDRY	SC-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
31	MECH / ELECT / SPRINK	SC-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
32	LAUNDRY / JANITOR	SC-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
33	CONFERENCE	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
34	BREAK ROOM	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
35	OFFICE	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
36	OFFICE	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
37	OFFICE	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
38	OFFICE	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
39	DIRECTOR OFFICE	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
40	STORAGE	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
41	IT	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
42	CLASSROOM VESTIBULE	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
43	INFANT / TODDLER CLASSROOM	LVT-2A	RB-1	FT-1A	FT-1A, PT-3A	FT-1A	FT-1A, WC-1, CK-1	ACT-1, FT-1D, ACOS-5	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
43.1	STORAGE	LVT-2A	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
44	CLASSROOM SUPPORT	LVT-1	TB-1	FT-1A	FT-1A, PT-3A	FT-1A	FT-1A, PT-3A	ACT-1, FT-1D, ACOS-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
45	INFANT / TODDLER CLASSROOM	LVT-2A	RB-1	FT-1A	FT-1A, WC-1, CK-1	FT-1A	FT-1A, PT-3A	ACT-1, FT-1D, ACOS-5	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
45.1	STORAGE	LVT-2A	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
46	OUTDOOR STORAGE	SC-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
47	CLASSROOM VESTIBULE	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
48	INFANT / TODDLER CLASSROOM	LVT-2A	RB-1	FT-1A	FT-1A, PT-3A	FT-1A	FT-1A, WC-1, CK-1	ACT-1, FT-1D, ACOS-5	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
48.1	STORAGE	LVT-2A	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
48.2	CLASSROOM SUPPORT	LVT-1	TB-1	FT-1A	FT-1A, PT-3A	FT-1A	FT-1A, PT-3A	ACT-1, FT-1D, ACOS-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
49	INFANT / TODDLER CLASSROOM	LVT-2A	RB-1	FT-1A	FT-1A, WC-1, CK-1	FT-1A	FT-1A, PT-3A	ACT-1, FT-1D, ACOS-5	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
49.1	STORAGE	LVT-2A	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
49.2	OUTDOOR STORAGE	SC-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
50	INFANT / TODDLER CLASSROOM	LVT-2A	RB-1	FT-1A	FT-1A, PT-3A	FT-1A	FT-1A, WC-1, CK-1	ACT-1, FT-1D, ACOS-5	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
50.1	STORAGE	LVT-2A	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
51	OUTDOOR STORAGE	SC-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
52	CLASSROOM VESTIBULE	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
53	INFANT / TODDLER CLASSROOM	LVT-2A	RB-1	FT-1A	FT-1A, WC-1, CK-1	FT-1A	FT-1A, PT-3A	ACT-1, FT-1D, ACOS-5	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
53.1	STORAGE	LVT-2A	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
54	CLASSROOM SUPPORT	LVT-1	TB-1	FT-1A	FT-1A, PT-3A, TL-1, TL-2, FT-1A	FT-1A	FT-1A, PT-3A	ACT-1, FT-1D, ACOS-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
55	INFANT / TODDLER CLASSROOM	LVT-2A	RB-1	FT-1A	FT-1A, PT-3A	FT-1A	FT-1A, WC-1, CK-1	ACT-1, FT-1D, ACOS-5	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
55.1	STORAGE	LVT-2A	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
56	GROSS MOTOR ROOM / STORM SHELTER	LVT-2A, LVT-2B, LVT-3C	RB-1	FT-1A	FT-1A, UP-1	FT-1A	FT-1A, UP-1	ACT-1, ACOS-2, ACOS-3, ACOS-4	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
56.1	MECH / ELEC	SC-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
56.2	STORAGE	SC-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
56.3	TOILET	TL-1	TB-1	TL-1, TL-2, FT-1B	TL-1, TL-2, FT-1B	TL-1, TL-2, FT-1B	TL-1, TL-2, FT-1B	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
56.4	CHILDREN'S TOILET	TL-1	TB-1	TL-1, TL-2, FT-1B	TL-1, TL-2, FT-1B	TL-1, TL-2, FT-1B	TL-1, TL-2, FT-1B	FT-1D	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
57	CORRIDOR	LVT-1	RB-1	FT-1A, UP-1	FT-1A	FT-1A, UP-1	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	
58	CORRIDOR	LVT-1	RB-1	FT-1A	FT-1A	FT-1A	FT-1A	ACT-1	REFER TO FINISH PLANS, INTERIOR ELEVATIONS, AND RCP'S FOR CLARIFICATIONS	

FINISH LEGEND			
FLOOR FINISH	FLOOR FINISH CONTINUED	WALL FINISH	CEILING FINISH
SC-1	EPX-1	FRP-1	ACT-1
CPT-1	TL-1	FT-1A	ACT-2
LVT-1	LVT-1A	FT-1B	ACT-3
LVT-2A	LVT-2A	FT-1C	ACT-3
LVT-2B	LVT-2B	FT-1D	ACT-3
LVT-3	LVT-3	FT-1E	ACT-3
LVT-4	LVT-4	FT-1F	ACT-3
LVT-5A	LVT-5A	FT-1G	ACT-3
LVT-5B	LVT-5B	FT-1H	ACT-3
LVT-5C	LVT-5C	FT-1I	ACT-3
EPX-1	TL-1	FT-1A	ACT-1
US-1	US-1	FT-1A	ACT-1
US-2	US-2	FT-1A	ACT-1



FINISH FLOOR PLAN GENERAL NOTES			
1.	ALL NEW BUILDING MATERIALS AND PRODUCTS SHALL NOT CONTAIN LEAD, CADMIUM, OR ASBESTOS.		
2.	REFER TO ROOM FINISH SCHEDULE FOR ADDITIONAL INFORMATION AT NON-ELEVATED AREAS.		
3.	PROVIDE CORNER AND END-WALL GUARDS AT OUTSIDE GYPSUM BOARD CORNERS. REFER TO FINISH PLAN.		
4.	WALL FINISHES TO HAVE FINISH CLASS "A" RATING FOR FLAME SPREAD AND SMOKE DEVELOPMENT.		
5.	FINISH HATCHES AND PATTERNS ARE FOR GRAPHIC PURPOSES ONLY, AND ARE NOT INTENDED TO SHOW EXACT PATTERN OR SIZE OF FINISHES.		
6.	FINISH TILE BACKER BOARD AT ALL WALLS DESIGNED TO RECEIVE TILE.		
7.	PROVIDE BEZEL AT ALL TILE INDOOR CORNERS AND AT DOOR THRESHOLDS. COLOR TO MATCH ADJACENT G		

KITCHEN EQUIPMENT PLUMBING CONNECTION SCHEDULE						
FDP PNO	FDP PSIZE	FDP PCONN	FDP PSERVICE TO	FDP FLOC	FDP PAFF	FDP PREMARKS
P6	4"	FLOOR DRAIN	JANITOR SINK	FLOOR	VERIFY	JANITOR SINK BY PLUMBER
P10	VERIFY	FLOOR DRAIN	GENERAL AREA DRAIN	FLOOR	VERIFY	LOCATE PER ENGINEERS DRAWING
P11A	1 1/2"	DIRECT DRAIN	HAND SINK	WALL	15"	FURNISHED BY SECTION 11 40 00, INSTALLED BY DIV. 22
P15	4"	FLOOR DRAIN	FUNNEL FLOOR DRAIN	FLOOR	0"	
P106A	12" SQ.	FLOOR SINK	ICE MACHINE	FLOOR	0"	3/4 GRATE
P110B	2"	INDIRECT DRAIN	CLOTHES WASHER	WALL	48"	VALVE BOX
P121A	12" SQ.	FLOOR SINK	SINK	FLOOR	0"	3/4 GRATE
P123A	2"	DIRECT DRAIN	DISPOSER	WALL	10"	BTC
P145A	12" SQ.	FLOOR SINK	SINK	FLOOR	0"	3/4 GRATE - RE: NOTE #4
P162	12" SQ.	FLOOR SINK	CONNECTION STEAMER	FLOOR	0"	3/4 GRATE - RE: NOTE #4
P172B	12" SQ.	FLOOR SINK	EQUIPMENT	FLOOR	0"	3/4 GRATE
P249A	12" SQ.	FLOOR SINK	SINK	FLOOR	0"	THREE QUARTER GRATE
P250	12" SQ.	FLOOR SINK	DISHMACHINE	FLOOR	0"	BTC
P601A	VERIFY	FLOOR DRAIN	HOT WATER DISPENSER	FLOOR	VERIFY	LOCATE PER ENGINEERS DRAWING

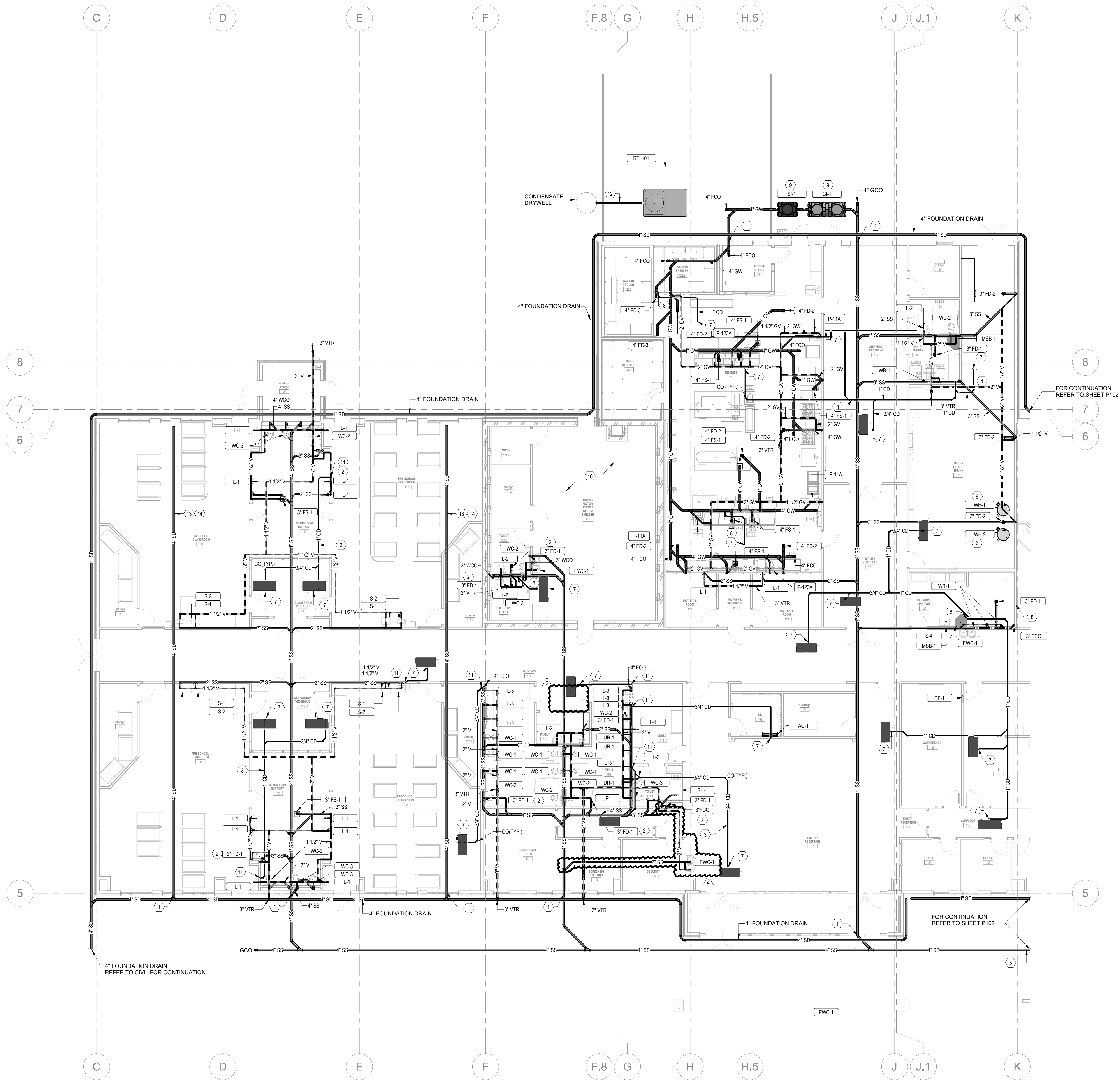
REFER TO PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL WASTE, WATER, AND VENT RUNOUTS.

REFER TO PLUMBING RISER DIAGRAMS FOR PIPE SIZES NOT SHOWN ON PLAN.

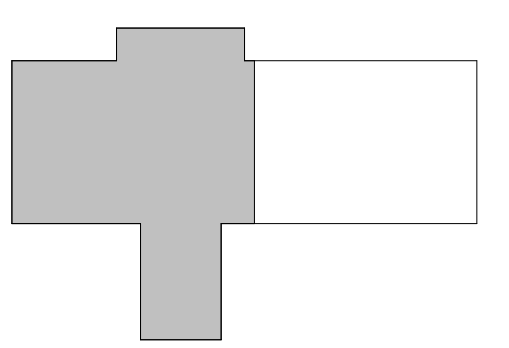
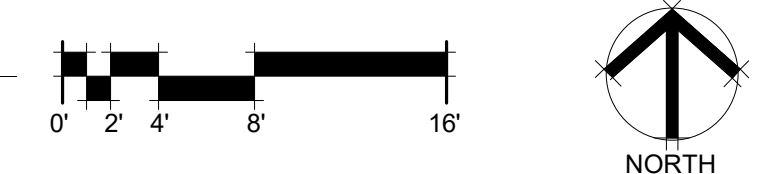
ALL UNDERGROUND PIPING TO BE ROUTED BENEATH STRUCTURAL FOOTINGS AND FOUNDATIONS.

REFER TO LANDSCAPE FOR ADDITIONAL DRAINAGE SYSTEMS NOT SHOWN HERE.

- KEYNOTES**
- COORDINATE SANITARY WITH STRUCTURAL FOOTING AT EXTERIOR WALL.
 - PROVIDE AND INSTALL FLOOR DRAIN WITH TRAP GUARD OR SIMILAR BARRIER-TYPE TRAP SEAL PROTECTION DEVICE.
 - OVERHEAD CONDENSATE DRAIN SLOPE AT 1/8" PER FOOT TOWARD APPROVED RECEPTOR. INSULATE PIPING SIMILAR TO DOMESTIC WATER INSULATION.
 - ROUTE CONDENSATE PIPE DOWN IN WALL AND TERMINATE ABOVE MOP SINK WITH AIR GAP.
 - FOR CONTINUATION REFER SHEET P102.
 - ROUTE CONDENSATE DRAINS, TEMPERATURE AND PRESSURE RELIEF, AND ANY OTHER ASSOCIATED DRAINS FROM WATER HEATERS TO NEAREST FLOOR DRAIN AND TERMINATE WITH AIR GAP.
 - ROUTE 3/4" CONDENSATE FROM MECHANICAL UNIT AS SHOWN. PROVIDE WITH TRAP AS REQUIRED BY MANUFACTURER AND LOCAL JURISDICTION. PROVIDE WITH CONDENSATE PUMP IF NECESSARY AND NOT INCLUDED WITH EQUIPMENT.
 - ROUTE CONDENSATE DOWN TO MOP SINK AND DISCHARGE WITH A MINIMUM 2" AIR GAP.
 - PROVIDE WITH MANUFACTURERS R20 TRAFFIC LOAD RATED COVER. PROVIDE FIELD CUT RISERS AS REQUIRED.
 - ANY PIPE PENETRATION OF STORM SHELTER GREATER THAN 2" IN DIAMETER SHALL BE PROTECTED AS AN OPENING IN ACCORDANCE WITH IBC SECTION 308.3.
 - ROUTE 1" CONDENSATE DOWN IN WALL AND CONNECT TO LAVATORY TAILPIECE.
 - ROUTE 1 1/4" CONDENSATE DRAIN FROM GROUND MOUNTED RTU TO DRYWELL. COORDINATE DRYWELL LOCATION WITH SITE LAYOUT AND CONDITIONS. REFER TO DETAIL ON SHEET P100.
 - UNDERSLAB DRAINS TO CONNECT TO PERIMETER FOUNDATION DRAIN. REFER TO GEOTECHNICAL REPORT FOR REQUIREMENTS. ALL RECOMMENDATIONS ARE TO BE FOLLOWED.
 - UNDERSLAB DRAIN TO BE A MAXIMUM OF 25' APART. COORDINATE WITH SANITARY PIPING. DO NOT ROUTE UNDERSLAB DRAINS NEAR RESTROOMS OR KITCHEN SANITARY MAINS.



A PLUMBING PLAN - WASTE & VENT
1/8" = 1'-0"



CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER
1924 COUNTRY CLUB DRIVE, CATOOSA, OKLAHOMA 74015

P101
PLUMBING PLAN - WASTE & VENT - AREA A



BLUE RIVER PROJECT NUMBER: **20230011**
ISSUE DATE: **08/16/24**
ISSUE: **CONSTRUCTION DOCUMENTS**
OTHER ISSUE DATES:
NO. DESCRIPTION DATE
1 Addendum 1 2024-06-05
2 Addendum 2 2024-06-12

SHEET NAME:
PLUMBING PLAN - WASTE & VENT - AREA A

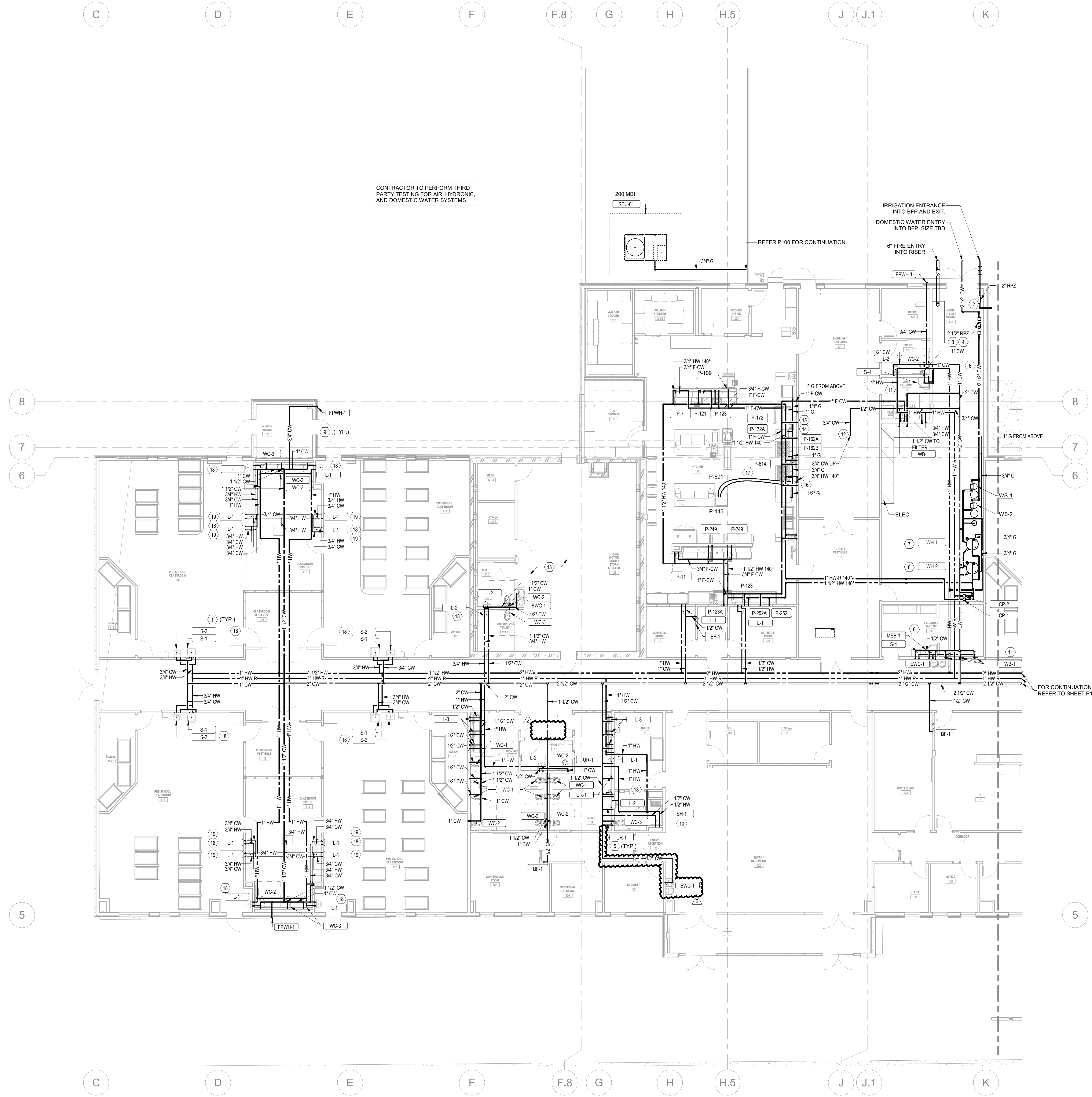
SHEET NUMBER:
P101

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FDP PNO	FDP PSIZE	FDP PCONN	FDP PSERVICE TO	FDP FLOC	FDP PAFF	FDP PREMARKS
P5	3/4"	H & C WATER	JANITOR SINK	WALL	48"	JANITOR SINK BY PLUMBER
P7	3/4"	H & C WATER	HOSE BIBB	WALL	18"	BTC
P11	1/2"	H & C WATER	FAUCET	WALL	18"	FURNISHED BY SECTION 11 40 00, INSTALLED BY DIV. 22
P109	3/4"	COLD WATER	WATER/ ICE	WALL	60"	BTC
P110	3/4"	H & C WATER	CLOTHES WASHER	WALL	48"	BTC; VALVE BOX
P121	3/4"	H & C WATER	FAUCET	WALL	13"	BTC
P123	3/4"	H & C WATER	FAUCET / DISPOSER	WALL	13"	BTC
P145	3/4"	H & C WATER	FAUCET	FLOOR	10"	BTC; RE: NOTE #3
P161	(2)3/4"	NATURAL GAS	CONVECTION OVEN	WALL	18"3/8"	BTC; RE: NOTE #3 & #9 - 60 MBTUHR EACH
P162A	(2) 3/4"	COLD WATER	CONVECTION STEAMER	WALL	18"3/8"	BTC; RE: NOTE #3 & #17 - INTERCONNECT THRU WATER FILTER
P162B	(2) 3/4"	COLD WATER	CONVECTION STEAMER	WALL	15"4/8"	BTC; RE: NOTE #3
P162C	(2) 3/4"	NATURAL GAS	CONVECTION STEAMER	WALL	24" / 60"	BTC; 58 MBTUHR EA.
P172	(2)3/4"	COLD WATER	COMBI OVEN	WALL	24"4/8"	BTC; INTERCONNECT THRU FILTERS
P172A	(2)3/4"	COLD WATER	COMBI OVEN	WALL	24"4/8"	BTC
P172C	(2)3/4"	NATURAL GAS	COMBI OVEN	WALL	18"3/8"	BTC; 106.5 MBTUHR EACH
P249	3/4"	H & C WATER	FAUCET	WALL	13"	BTC; RE: NOTE #3
P250A	3/4"	COLD WATER	DRAIN TEMPERING	WALL	18"	BTC
P263	3/4"	HOT WATER	INTERNAL BOOSTER HEATER	WALL	18"	EXT. THRU W. FILTER TO BOOSTER/DISHMACHINE - 140 DEG. MIN.
P263	3/4"	INCOMING COLD WATER	REMOTE FILTER SYSTEM	WALL	60"	BTC; RE: NOTE #3 & #17
P263A	3/4"	OUTGOING COLD WATER	REMOTE FILTER SYSTEM	WALL	60"	BTC; RE: NOTE #3 & #17; INTERCONNECT TO ICE / STEAM
P614	1/2"	H & C WATER	FILL FAUCET	WALL	42"	BTC; RE: NOTE #3
P632	3/4"	NATURAL GAS	RANGE	WALL	18"	BTC; RE: NOTE #3 & #9 - 215 MBTUHR

- LOCATE VALVES IN ACCESSIBLE AREAS OR PROVIDE ACCESS PANEL AT CEILING OR WALL. VERIFY WITH ARCHITECT. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE MEANS TO SHUT OFF WATER FOR EACH OR GROUP OF FIXTURES EVEN IF VALVES ARE NOT SHOWN ON PLANS.
- REFER TO PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL WASTE, WATER, AND VENT RUNOUTS.
- REFER TO PLUMBING RISER DIAGRAMS FOR PIPE SIZES NOT SHOWN ON PLAN.
- PROVIDE ALL PRESSURE REGULATOR WITH VENT LIMITER OR ROUTE FULL SIZE VENT THRU ROOF.
- ALL UNDERGROUND PIPING TO BE ROUTED BENEATH STRUCTURAL FOOTINGS AND FOUNDATIONS.

- KEYNOTES**
- PROVIDE ALL HAND SINKS AND LAVATORIES WITH THERMOSTATIC MIXING VALVE SET TO 100°.
 - ROUTE IRRIGATION PIPING TO EXTERIOR AS REQUIRED. COORDINATE SIZE, ROUTING, AND CONNECTION REQUIREMENTS WITH IRRIGATION DESIGNER AND EQUIPMENT SUPPLIER.
 - PROVIDE 2 1/2" CW LINE AS SHOWN. PROVIDE BACKFLOW PREVENTER AND ANY OTHER REQUIRED EQUIPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. FIELD VERIFY PRESSURE AND PROVIDE PRESSURE REDUCING VALVE SET TO 10 PSI IF PRESSURE EXCEEDS 75 PSI. COORDINATE LOCATION AND ROUTING WITH FIRE PROTECTION PIPING.
 - ROUTE FULL SIZE DRAIN FROM RP2 TO FLOOR DRAIN AND DISCHARGE WITH APPROVED AIR GAP.
 - PROVIDE 3/4" CW TO URINAL.
 - PROVIDE 3/4" CW AND 3/4" HW DOWN TO MOP SINK.
 - PROVIDE NEW 2 1/2" CW & 2 1/2" HW DOWN TO WATER HEATER. ROUTE WATER HEATER T&P TO FLOOR DRAIN AND TERMINATE WITH AIR GAP.
 - PROVIDE NEW 1 1/2" CW & 1 1/2" HW DOWN TO WATER HEATER. ROUTE WATER HEATER T&P TO FLOOR DRAIN AND TERMINATE WITH AIR GAP.
 - ROUTE 3/4" CW TO FREEZE PROOF WALL HYDRANT. INSTALL 90° A.F.F. PROVIDE SHUT OFF VALVE ON WALL HYDRANT IN ACCESSIBLE LOCATION. PROVIDE ACCESS PANELS WITH CEILING OR WALL, AND CONFIRM APPEARANCE AND LOCATION WITH ARCHITECT.
 - PROVIDE 1/2" CW & HW TO SHOWER VALVE.
 - PROVIDE 1/2" CW & HW TO WASHER BOX. PROVIDE WATER HAMMER ARRESTOR.
 - PROVIDE 3/4" CW TO FREEZE PROOF ROOF HYDRANT. REFER TO SHEET MP101 FOR CONTINUATION.
 - ANY PIPE PENETRATION OF STORM SHELTER GREATER THAN 2" IN DIAMETER SHALL BE PROTECTED AS AN OPENING IN ACCORDANCE WITH ICC SECTION 508.3.
 - PROVIDE GAS COOK, DIRT LEG, AND REGULATOR ON GAS PIPING TO KITCHEN EQUIPMENT. ROUTE REGULATOR VENT THROUGH ROOF OR PROVIDE VENTLESS REGULATOR. 1 1/2" AUTOMATIC GAS SHUT OFF VALVE TO BE PROVIDED BY HOOD SUPPLIER. TO BE INSTALLED BY PLUMBING CONTRACTOR AGAINST WALL IN ACCESSIBLE LOCATION. COORDINATE EXACT LOCATION WITH FIRE MARSHAL. EXTEND GAS DOWN FOR COOKING APPLIANCES TO FULL SIZE MANFOLD AT 36" ABOVE FINISHED FLOOR. INSTALLED TIGHT TO WALL.
 - PROVIDE SHUT OFF VALVE AND UNION FOR GAS CONNECTION TO KITCHEN EQUIPMENT. QUICK DISCONNECT TO BE PROVIDED BY KITCHEN EQUIPMENT CONTRACTOR AND INSTALLED BY PLUMBING CONTRACTOR.
 - ROUTE 3/4" CW AND 3/4" HW DOWN IN WALL.
 - 3/4" CW AND 3/4" HW PEX PIPE RUNS BELOW SLAB.
 - CHILD HEIGHT MOUNTING PER ARCHITECT. REFER TO 001 FOR MOUNTING HEIGHTS. COORDINATE WITH MILLWORK WHERE APPLICABLE.
 - WATER SUPPLY TO THIS LAVATORY MUST BE ROUTED THROUGH FLOOR SLAB.



CONTRACTOR TO PERFORM THIRD PARTY TESTING FOR AIR, HYDRONIC, AND DOMESTIC WATER SYSTEMS.

200 MBH RTU

IRRIGATION ENTRANCE INTO BFP AND EXIT

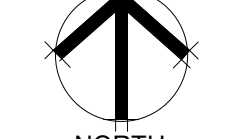
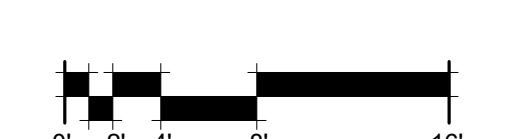
DOMESTIC WATER ENTRY INTO BFP. SIZE TBD

6" FIRE ENTRY INTO RISER

REFER P100 FOR CONTINUATION

FOR CONTINUATION REFER TO SHEET P104

A PLUMBING PLAN - WATER & GAS
1/8" = 1'-0"



CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER
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PLUMBING PLAN - WATER & GAS - AREA A



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ISSUE DATE: 08/16/24

ISSUE: CONSTRUCTION DOCUMENTS

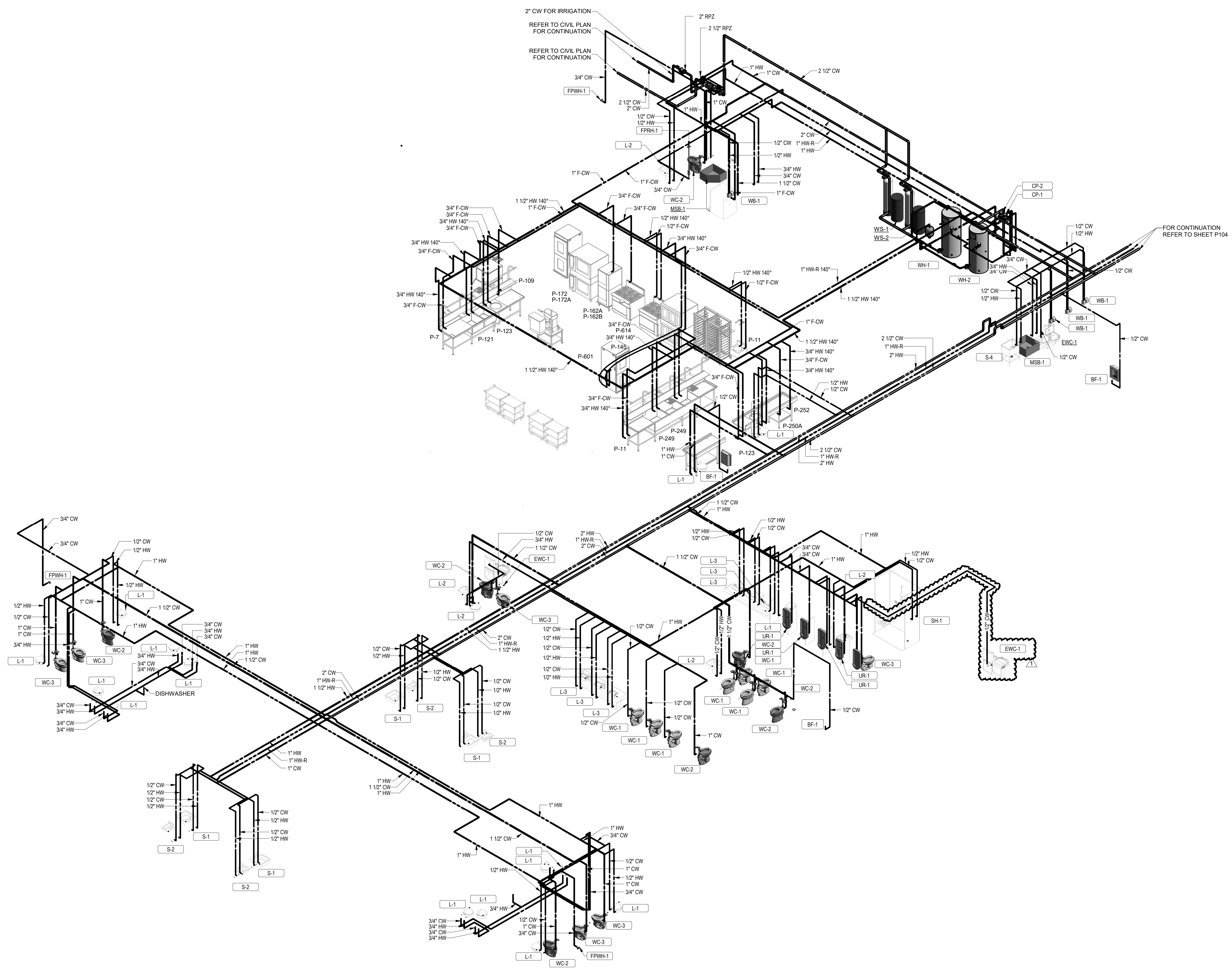
OTHER ISSUE DATES:

NO.	DESCRIPTION	DATE
1	Addendum 1	2024-06-06
2	Addendum 2	2024-06-12

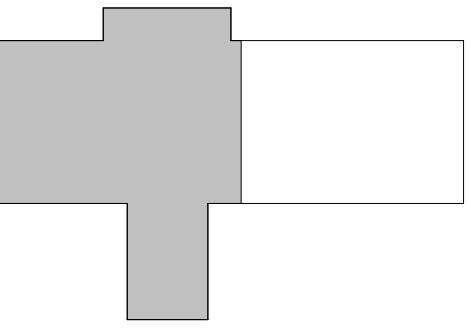
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PLUMBING PLAN - WATER & GAS - AREA A

SHEET NUMBER:
P103

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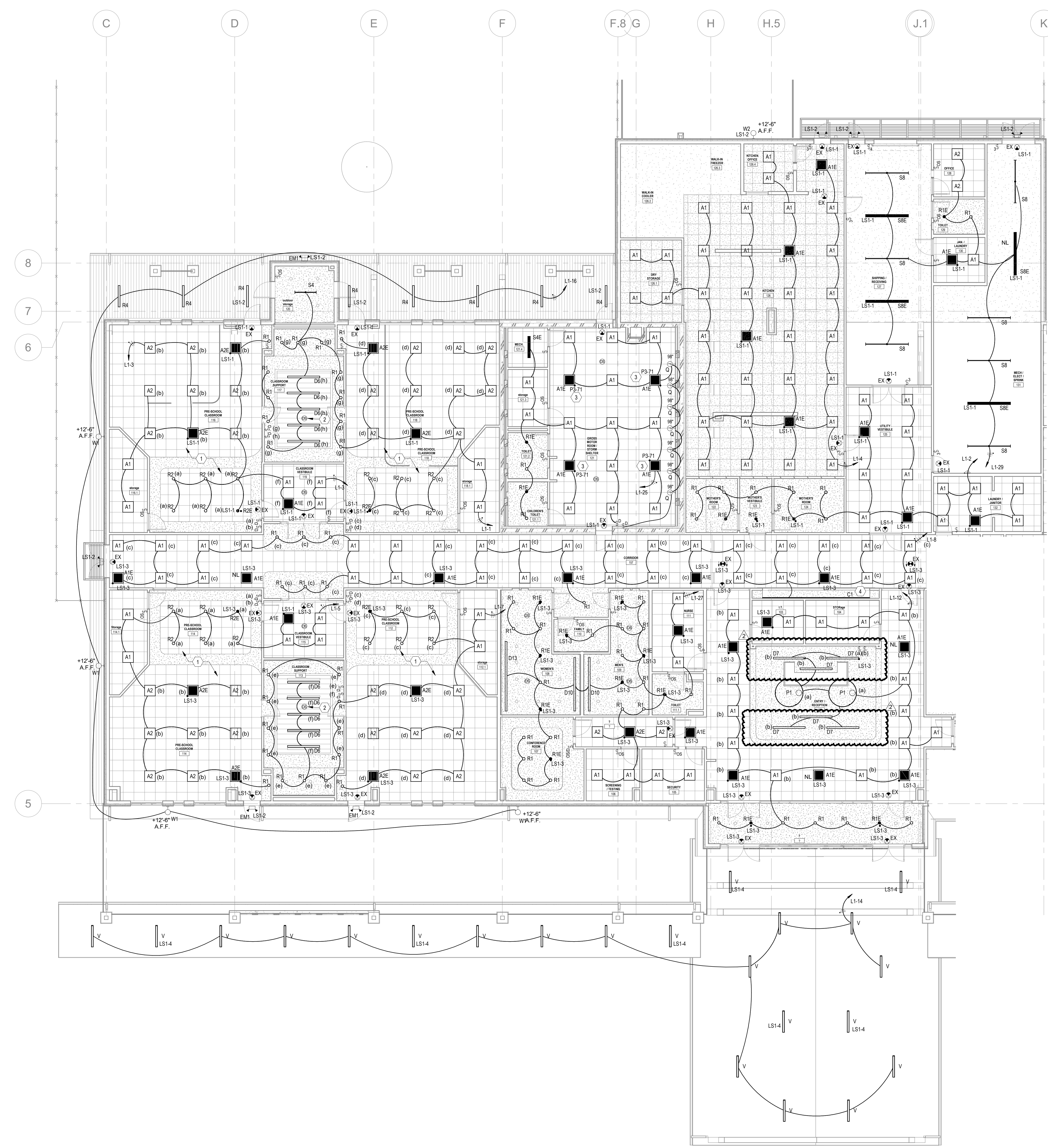


1 DOMESTIC WATER RISER DIAGRAM
NTS



- KEYNOTES**
- 1 CLASSROOM LIGHT FIXTURES PROVIDED WITH MOTION/DAYLIGHT WIRELESS SENSORS. LIGHTS TO TURN OFF WITHIN 20 MINUTES OF THE SPACE BEING VACATED. PROVIDE AUTO ON TO 50% AND MANUAL ON TO 100%.
 - 2 PROVIDE WIRELESS OCCUPANCY SENSOR FOR CLASSROOM SUPPORT LIGHTS. LIGHTS TO TURN OFF WITHIN 20 MINUTES OF THE SPACE BEING VACATED. PROVIDE AUTO ON TO 50% AND MANUAL ON TO 100%.
 - 3 VIA EMERGENCY INVERTER LOCATED IN MECH 121.4
 - 4 REFER TO ARCHITECTURAL PLANS FOR LOCATIONS AND LENGTHS OF CABLE LIGHT.

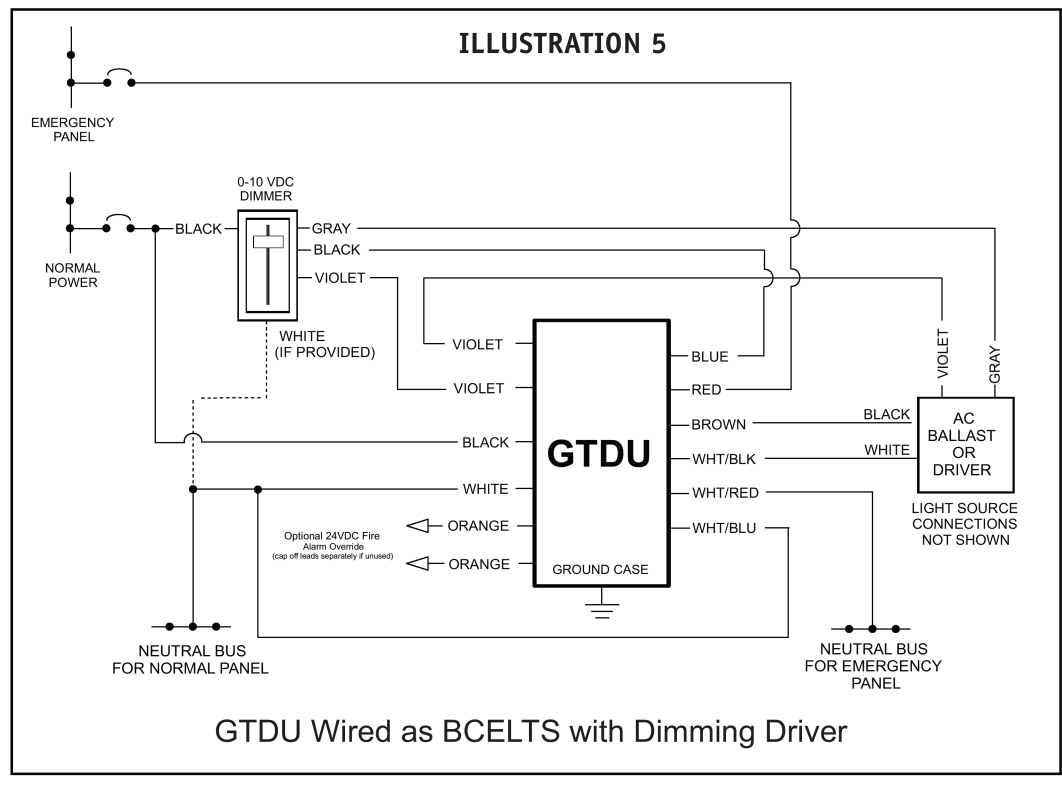
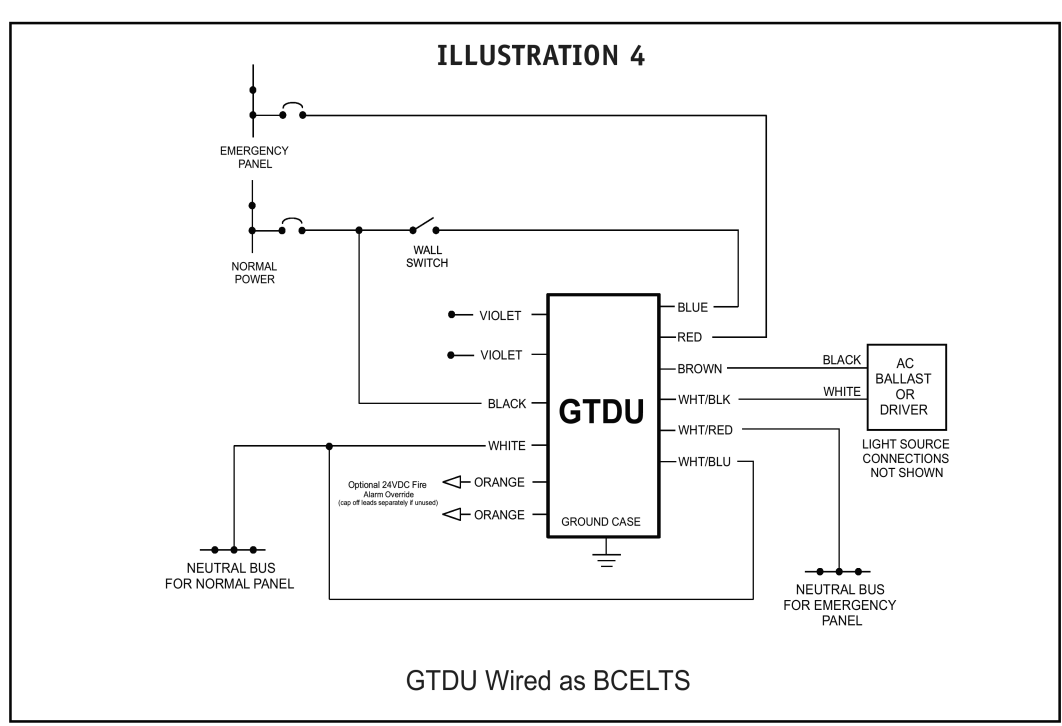
- LIGHTING GENERAL NOTES**
- 1 ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 4" LONG FLEXIBLE METAL CONDUIT.
 - 2 ALL MOUNTING HEIGHTS FOR LIGHTING FIXTURES ARE TO THE BOTTOM OF THE FIXTURES UNLESS INDICATED OTHERWISE.
 - 3 SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF EXTERIOR LIGHTING FIXTURES.
 - 4 ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH GOOD INSTALLATION PRACTICES, SPECIFICATIONS AND THE LATEST EDITIONS OF ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES. ALL COMPONENTS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - 5 PLANS SHOWN ARE DIAGRAMMATICAL IN NATURE AND DO NOT INDICATE EVERY FITTING, TRANSITION, ETC. (REQUIRED). THEREFORE, CONTRACTOR IS TO COORDINATE ALL ELECTRICAL REQUIREMENTS WITH OTHER TRADES PRIOR TO INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING COMPLETE AND OPERATIONAL SYSTEMS SHOWN ON PLAN.
 - 6 ALL CONDUIT, POWER WIRES, RECEPTACLE BOXES, RECEPTACLES AND OVERLOAD PROTECTION DEVICES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. ALL CONDUIT SIZES SHALL BE DETERMINED BY ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED.
 - 7 WIRING DEVICES:
A. SWITCHES - 40"
B. RECEPTACLES - 48"
C. VOICEMAIL - 48"
EXIT SIGN MOUNTING:
 - 8 A. WALL FIXTURE: CENTER 12" ABOVE DOOR OPENING
B. CEILING PENDANT FIXTURE: ON CEILING OR AT HEIGHT SPECIFIED ON DRAWINGS
C. PENDANT FIXTURE: BOTTOM OF FIXTURE AT HEIGHT SPECIFIED ON DRAWINGS
 - 9 EXIT SIGNS: EMERGENCY BATTERY PACKS, AND NIGHT LIGHTS SHALL NOT BE SWITCHED.
 - 10 ELECTRICAL CONTRACTOR WILL PROVIDE A ROOF MOUNTED PROTOCOL IN A NEUTRAL POSITION THAT IS NOT FACING EAST OR WEST. TO CONTROL ALL EXTERIOR LIGHTS AND SIGNS. PROVIDE SEPARATE BOXES FOR GANGED SWITCHES ON SEPARATE BRANCH CIRCUITS.
 - 11 REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND DETAILS FOR THE EXACT LOCATION OF ALL LIGHTING FIXTURES AND ANY OTHER EQUIPMENT INSTALLED IN THE CEILING SYSTEM. VERIFY EXACT MOUNTING HEIGHTS AND FINISHES WITH ARCHITECT PRIOR TO ROUGH-IN.
 - 12 ADDITIONAL EXIT AND EMERGENCY LIGHTS MAY BE REQUIRED BY THE AUTHORITY HAVING JURISDICTION. ADDITIONAL FIXTURES SHALL BE ADDED AS DIRECTED BY THE LOCAL AUTHORITY.
 - 13 MAXIMUM COMBINED FEEDER AND BRANCH CIRCUITS SHALL NOT EXCEED 80% VOLTAGE DROP, AND THE MAXIMUM ON THE FEEDER OR BRANCH CIRCUIT SHALL NOT EXCEED 3% VOLTAGE DROP. ELECTRICAL CONTRACTOR TO INCREASE WIRE CONDUIT SIZE AS NECESSARY TO MAINTAIN VOLTAGE DROP RECOMMENDATIONS.
 - 14 THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR GROUNDING OF ALL ELECTRICAL EQUIPMENT. EMERGENCY LIGHT MOUNTING.
 - 15 A. WALL FIXTURE: 12" BELOW FINISHED CEILING OR 10'-0" IN AREAS OF EXPOSED STRUCTURE, UNLESS NOTED OTHERWISE.
B. PENDANT FIXTURE: BOTTOM OF FIXTURE AT HEIGHT SPECIFIED ON DRAWINGS.
C. REMOTE HEAD FIXTURE: HEADS CENTERED ABOVE DOOR OPENING - 9'-0" UNLESS NOTED OTHERWISE AND BATTERY PACK MOUNTED ON INTERIOR SIDE OF WALL 12" BELOW FINISHED CEILING OR AT 8'-0" IN AREAS OF EXPOSED STRUCTURE.



MAINTENANCE

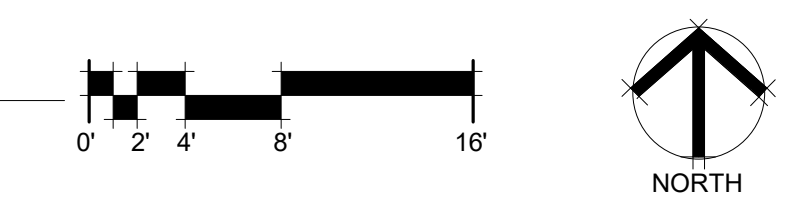
No routine maintenance is required to keep the GTDU functional. However, it should be checked periodically to ensure it is working properly. The entire generator (or central inverter) system, including all designated emergency lighting loads, should be exercised every 30 days per Code to ensure proper operation. To do this: 1) power up the generator, 2) place the main automatic transfer switch in the generator position, 3) turn off the local, unswitched normal power circuit breaker, and 4) verify the designated emergency lighting loads are operating properly from the generator/central inverter supply. **Circuit Breaker (Test Switch) must be located local to the load being controlled.**

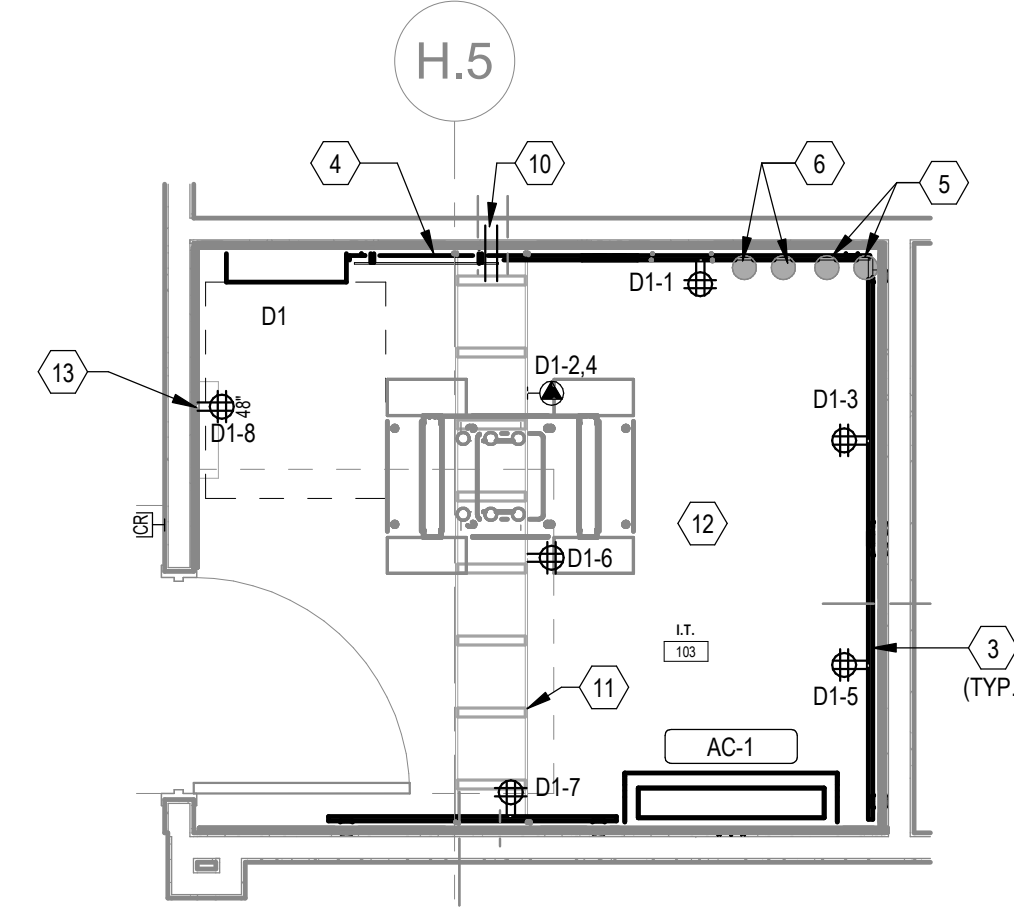
WIRING DIAGRAMS FOR UL 1008 - BCELTS APPLICATIONS



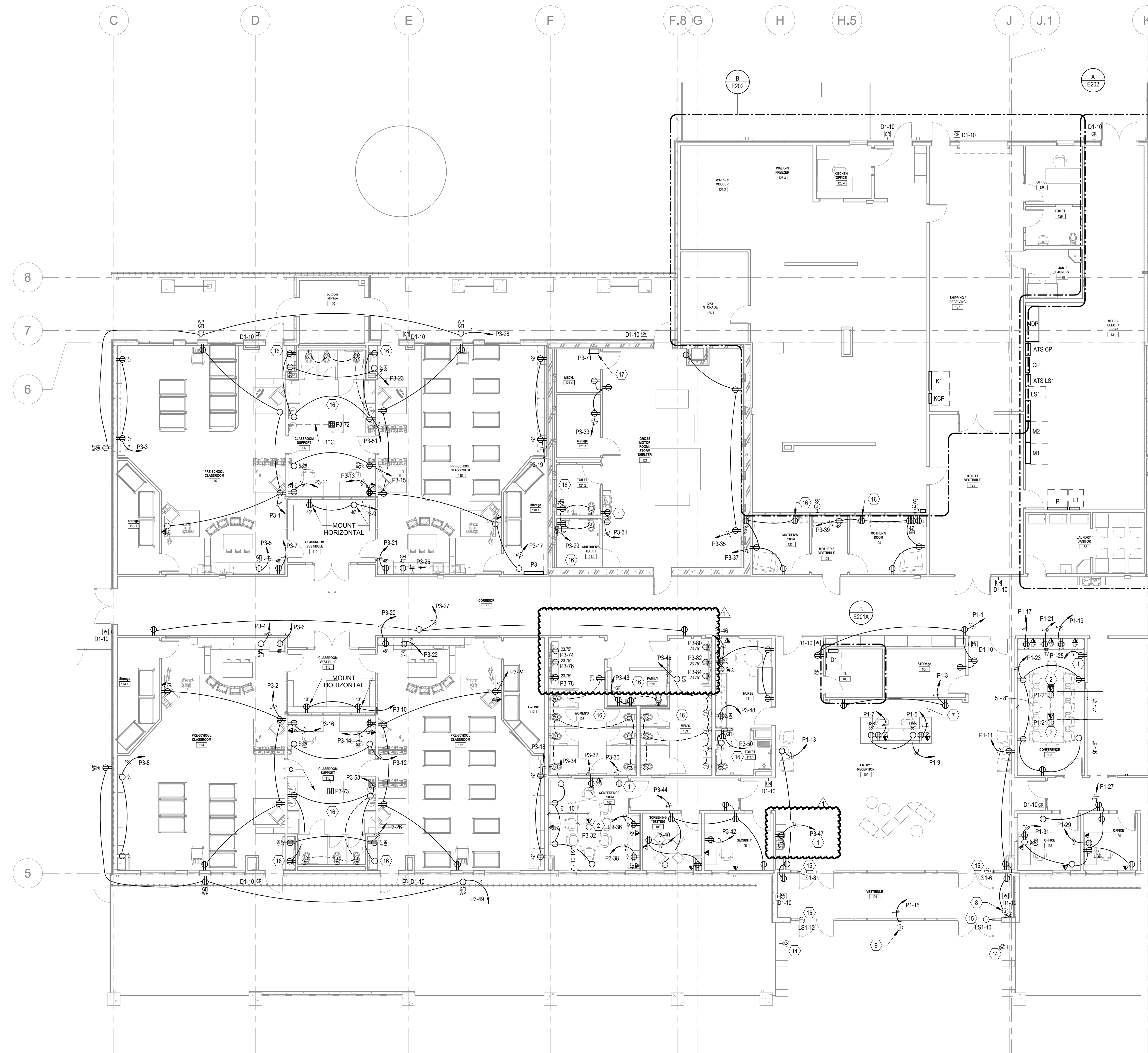
B EMERGENCY GENERATOR TRANSFER DEVICE DIAGRAM
12" = 1'-0"

A FIRST FLOOR LIGHTING PLAN (AREA A)
1/8" = 1'-0"

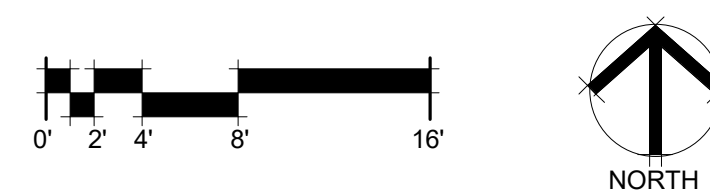




B ENLARGED ELECTRICAL PLAN - IT 103
3/8" = 1'-0"



A FIRST FLOOR POWER PLAN (AREA A)
1/8" = 1'-0"



- POWER GENERAL NOTES**
- ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH GOOD INSTALLATION PRACTICES, SPECIFICATIONS, AND THE LATEST EDITIONS OF ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES. ALL COMPONENTS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
 - PLANS SHOWN ARE DIAGRAMMATICAL IN NATURE AND DO NOT INDICATE EVERY FITTING, TRANSITION BOX, ETC. REQUIRED. THEREFORE, CONTRACTOR IS TO COORDINATE ALL ELECTRICAL REQUIREMENTS WITH OTHER TRADES PRIOR TO INSTALLATION.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING COMPLETE AND OPERATIONAL SYSTEMS SHOWN ON PLAN. ALL CONDUIT, POWER WIRES, RECEPTACLE BOXES, RECEPTABLES, AND OVERHEAD PROTECTION DEVICES SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
 - ALL CONDUIT SIZES SHALL BE DETERMINED BY ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED.
 - THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR GROUNDING OF ALL ELECTRICAL EQUIPMENT.
 - WIRING DEVICES:
 - SWITCHES - 48"
 - RECEPTABLES - 18"
 - VOICE DATA - 48"
 - WIRING SHALL INCLUDE FINAL CONNECTION TO ALL EQUIPMENT IN CONFORMANCE WITH EQUIPMENT SUPPLIER WIRING DIAGRAMS.
 - UPON COMPLETION OF ELECTRICAL INSTALLATION AND PRIOR TO ENERGIZING CIRCUIT:
 - INSPECT WIRE AND CABLE FOR PHYSICAL DAMAGE.
 - PERFORM CONTINUITY TEST.
 - VERIFY PROPER PHASING CONNECTION TO ALL THREE PHASE MOTOR LOADS.
 - CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE PANELBOARD TYPED IDENTIFICATION SCHEDULES.
 - WHERE BRANCH CIRCUITS ARE GROUPED, SIZE CONDUIT AND IDENTIFY CURRENT CARRYING CONDUIT PER NEC.
 - WHERE EQUIPMENT NAMEPLATE PROTECTIVE DEVICE RATING DIFFERS FROM THAT PROVIDED, CHANGE OUT BRANCH CIRCUIT WIRING AND OVERCURRENT DEVICE TO APPROPRIATE RATING PER NEC.
 - NO ALUMINUM WIRE CONDUCTORS SHALL BE USED FOR INSTALLATION OF BRANCH CIRCUITS. USE COPPER WIRE CONDUCTORS. ALUMINUM CONDUCTORS FOR FEEDERS WILL NEED TO BE APPROVED BY ENGINEER AND OWNER.
 - EQUIPMENT SHALL BE OF MATERIALS SUITABLE FOR AND RATED FOR THE ENVIRONMENT IN WHICH THEY ARE TO BE INSTALLED.
 - WORKING CLEARANCES FOR ELECTRICAL EQUIPMENT SHALL BE IN COMPLIANCE WITH NEC 110.
 - THE EXCLUSIVELY DEDICATED SPACE EXTENDING FROM FLOOR TO STRUCTURAL CEILING WITH A WIDTH AND DEPTH OF THE PANELBOARD OR SWITCHBOARD MUST BE CLEAR OF ALL PIPING, DUCTS, EQUIPMENT FORTH TO THE ELECTRICAL EQUIPMENT OR ARCHITECTURAL APURTANCES IN ACCORDANCE WITH NEC 408.
 - MAXIMUM COMBINED FEEDER AND BRANCH CIRCUITS SHALL NOT EXCEED 2% VOLTAGE DROP, AND THE MAXIMUM ON THE FEEDER OR BRANCH CIRCUIT SHALL NOT EXCEED 3% VOLTAGE DROP. ELECTRICAL CONTRACTOR TO INCREASE WIRE/CONDUIT SIZE AS NECESSARY TO MAINTAIN VOLTAGE DROP RECOMMENDATIONS.
 - WHERE CONNECTED TO A 250A BRANCH CIRCUIT SUPPLYING AN INDIVIDUAL RECEPTACLE (SINGLE OR DUPLIC), THE RECEPTACLE SHALL BE RATED AT 20A.
 - CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.
 - PROVIDE HOUSEKEEPING PADS FOR ALL FLOOR MOUNTED AND GRADE MOUNTED ELECTRICAL EQUIPMENT. MINIMUM REQUIREMENTS: 4" HIGH, 48" AIR ENTRAINED, POLYESTER REINFORCED CONCRETE, 4" WIDER AND 4" LONGER THAN EQUIPMENT TO BE PLACED ON IT. REFER TO ELECTRICAL DETAIL DRAWINGS FOR TRANSFORMER, GENERATOR, OR SWITCHGEAR PADS THAT MAY EXCEED THESE REQUIREMENTS.

- KEYNOTES**
- MOUNT RECEPTABLES FOR ELECTRIC WATER COOLERS PER MANUFACTURER'S RECOMMENDATIONS.
 - PROVIDE (1) GANGE FLOOR BOX (SEE SECTION OR EQUAL) WITH (1) 15AMP DUPLEX RECEPTACLE AND (2) DATA PORT. COORDINATE WITH ARCHITECT FOR COVER FINISH. PROVIDE 1" UNDERGROUND CONDUIT TO NEAREST WALL/COLUMN FOR POWER AND 1/2" UNDERGROUND CONDUIT TO NEAREST WALL/COLUMN FOR DATA.
 - PROVIDE 4 x 8 x 1/2" FIRE RATED PLYWOOD WITH FIRE RETARDANT PAINT TINTED GREY.
 - PROVIDE INTERSYSTEM BONDING BUS HUBBELL HUBBELLON ABOVE FLOOR WITH ONE (1) AWG GROUNDING CONDUIT TO MAIN BUILDING GROUNDING ELECTRODE SYSTEM.
 - PROVIDE (2) 4" SCHEDULE 40 PVC UNDERGROUND TO IT ROOM 141.
 - 2" x 4" CONDUITS FOR OUTSIDE SERVICE PROVIDER CONNECTIVITY. CONDUITS SHALL ENTER THE MDF ROOM IN THIS AREA AND STUB UP 3' AFF AND BE EQUIPPED WITH PROTECTIVE WHITE PLASTIC BUSHINGS BY THE ELECTRICAL CONTRACTOR.
 - PROVIDE (2) 1" UNDERGROUND CONDUITS FROM JUNCTION BOX STUB UPS IN CABINET BASE TO NEAREST HALL FOR POWER AND DATA.
 - PROVIDE POWER FOR MOTORIZED SHADES PER MANUFACTURER'S INSTRUCTIONS.
 - PROVIDE POWER FOR INTERNALLY LIT SIGNAGE PER SIGNAGE MANUFACTURER'S REQUIREMENTS. REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT. INTERLOCK WITH TIMECLOCK/PHOTOCELL.
 - FIRE RATED SLEEVE ASSEMBLY. INCLUDE SEPARATE SLEEVES FOR NETWORK CABLEING AND SECURITY CABLEING.
 - PROVIDE 17" STEEL LADDER RACK FOR OVERHEAD PATHWAY AND LATERAL SUPPORT AS SHOWN TO INCLUDE ALL NECESSARY FITTINGS. MOUNT LADDER AT 8' AFF.
 - CONTRACTOR SHALL GROUND AND BOND ALL EQUIPMENT RACKS AND SUPPORTING TRAY TO GROUND BAR INSTALLED AT 8' AFF.
 - ACCESS CONTROL PANEL MOUNTED ON PLYWOOD BACKBOARD. INSTALL TOP OF PANEL NOT MORE THAN 6'-0" AFF.
 - PROVIDE 1" UNDERGROUND CONDUIT TO ACCESSIBLE CEILING SPACE FOR REESTRAL INTERCOM SYSTEM.
 - PROVIDE ALL REQUIRED CONTROL WIRING FOR AUTOMATIC DOORS AS REQUIRED.
 - AUTOMATIC LAVATORY, URINAL AND WATER CLOSET CONTROLS. PROVIDE JUNCTION BOXES, CONDUITS, RECEPTABLES AND LOW VOLTAGE WIRING (GPHW, DASHEN) AS REQUIRED. PROVIDE 100/24V TRANSFORMER WHEN REQUIRED PER MANUFACTURER'S INSTRUCTIONS. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH THE MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION.
 - FURNISH AND INSTALL EMERGENCY INVERTER (ASSURANCE SI-1150-CB2) OR EQUAL. EMERGENCY LIGHTS AND DOWNST FAN/OVER INDOOR ESMA SPACE TO BE SUPPLIED FROM INVERTER. MAXIMUM WATTAGE FOR 2HR OPERATION IS 860 WATTS. MOUNT TOP OF CABINET AT 8'-0" AFF.



CHEROKEE NATION CATOOSA CHILD DEVELOPMENT CENTER
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OTHER ISSUE DATES:

NO.	DESCRIPTION	DATE
1	ADDENDUM 3	2024-08-12

SHEET NAME:
POWER PLAN - AREA A

SHEET NUMBER:
E201A

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