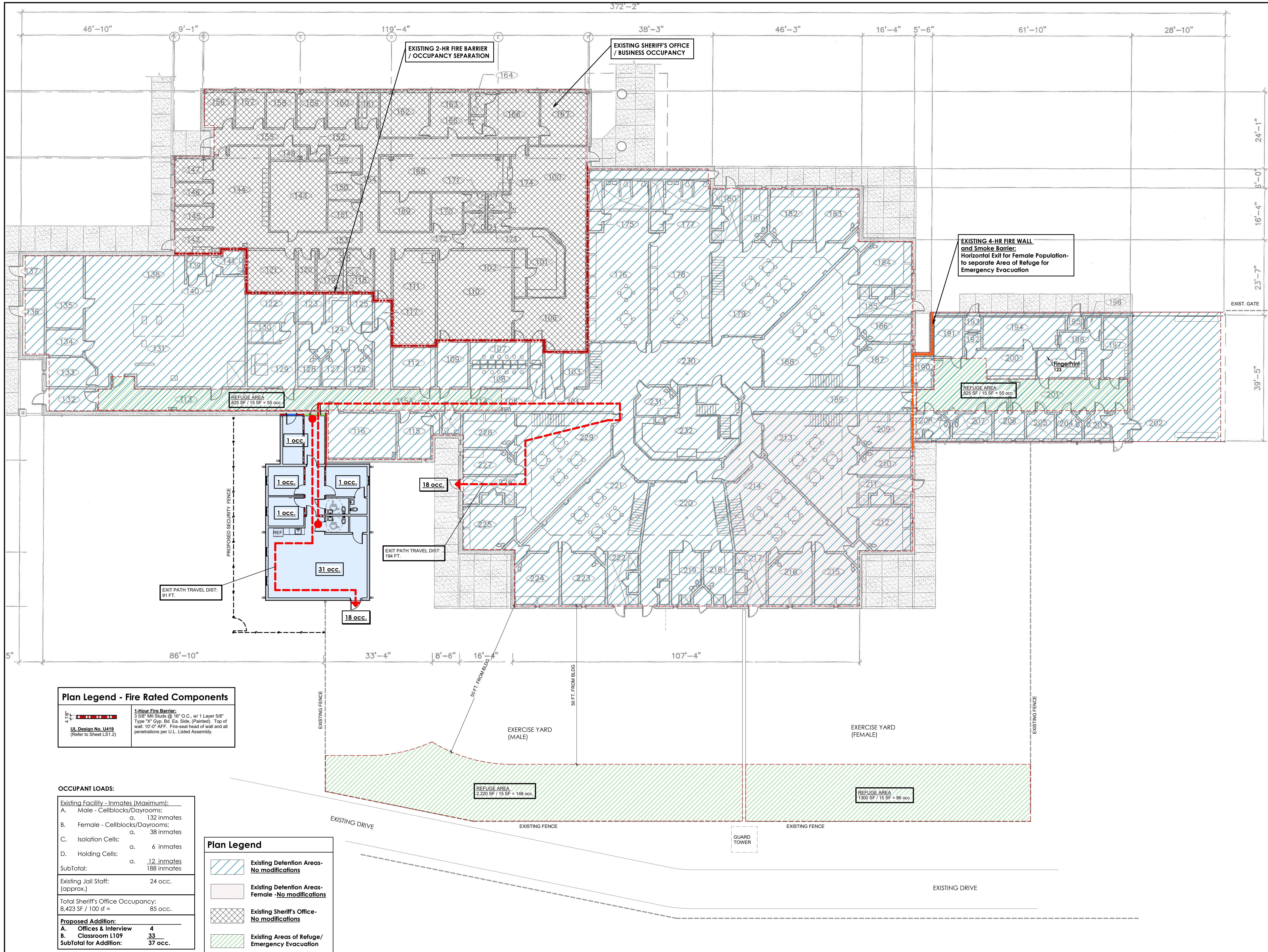


NO.	DATE	BY	DESCRIPTION
1	2024.02.21	CLM	Revision: BFC SFC PFC Review



Plan Legend - Fire Rated Components

	1-Hour Fire Barrier: 3 5/8" Mtl Studs @ 16" O.C., w/ 1 Layer 5/8" Type "X" Gyp. Bd. Ea. Side, (Painted). Top of wall: 10'-0" AFF. Fire-seal head of wall and all penetrations per U.L. Listed Assembly.
UL Design No. U419 (Refer to Sheet LS1.2)	

OCCUPANT LOADS:

Existing Facility - Inmates (Maximum):	
A. Male - Cellblocks/Dayrooms:	a. 132 inmates
B. Female - Cellblocks/Dayrooms:	a. 38 inmates
C. Isolation Cells:	a. 6 inmates
D. Holding Cells:	a. 12 inmates
SubTotal:	188 inmates
Existing Jail Staff: (approx.) 24 occ.	
Total Sheriff's Office Occupancy: 8,423 SF / 100 sf = 85 occ.	
Proposed Addition:	
A. Offices & Interview	4
B. Classroom L109	33
SubTotal for Addition:	37 occ.
Total: Existing + Proposed, inmates + staff: 334 occ.	

Plan Legend

	Existing Detention Areas - No modifications
	Existing Detention Areas - Female - No modifications
	Existing Sheriff's Office - No modifications
	Existing Areas of Refuge/ Emergency Evacuation
	PROPOSED ADDITION

ONLINE CERTIFICATIONS DIRECTORY

Design No. U419 BXUV1419 Fire-resistance Ratings - ANSI/UL 263

Page Bottom

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, device, and material.
A fire-resistance identified on a product is developed by the design submitter and has been investigated by UL for compliance with applicable requirements...

BXUV - Fire Resistance Ratings - ANSI/UL 263

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-Resistance Ratings - ANSPUL 263

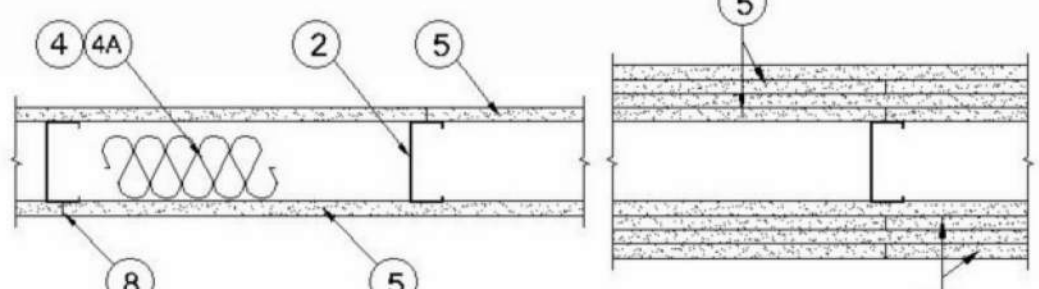
See General Information for Fire-Resistance Ratings - CAN/ULC-S101 Certified for Canada

Design No. U419

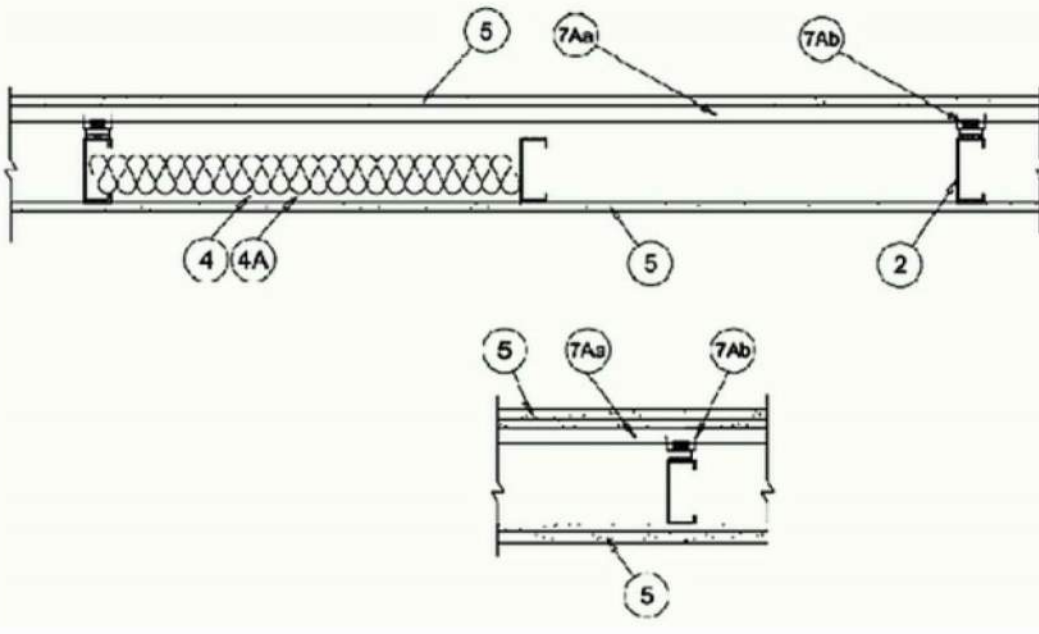
May 28, 2015

Nonbearing Wall Ratings - 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5K)

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



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- 1. Floor and Ceiling Runners - (Not shown) - For use with Item 2 - Channel shaped, fabricated from min 20 HSG corrosion-protected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

- 1A. Framing Members - Floor and Ceiling Runners - (Not shown) - In lieu of Item 1 - For use with Item 2B, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

- CALIFORNIA EXPANDED METAL PRODUCTS CO - Viper20™ Track

- MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper25™ Track

- PHILLIPS MFG CO L L C - Viper25™ Track

- 18. Framing Members - Floor and Ceiling Runners - (Not shown) - In lieu of Item 1 - For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.020 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

- CALIFORNIA EXPANDED METAL PRODUCTS CO - Viper20™ Track

- MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper20™ Track

- PHILLIPS MFG CO L L C - Viper20™ Track

- 1C. Framing Members - Floor and Ceiling Runners - (Not shown) - In lieu of Item 1 - Channel shaped, attached to floor and ceiling with fasteners 24 in. OC max.

- ALLSTEEL & GYPSUM PRODUCTS INC - Type SUPREME Framing System

- CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV - Type SUPREME Framing System

- QUAIL RUN BUILDING MATERIALS INC - Type SUPREME Framing System

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- SCAFCO STEEL STUD MANUFACTURING CO - Type SUPREME Framing System

- STEEL CONSTRUCTION SYSTEMS INC - Type SUPREME Framing System

- UNITED METAL PRODUCTS INC - Type SUPREME Framing System

- 1D. Floor and Ceiling Runners - (Not shown) - For use with Item 2A - Channel shaped, fabricated from min 20 HSG corrosion-protected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners spaced max 24 in. OC.

- 1E. Framing Members - Floor and Ceiling Runners - (Not shown, as an alternate to Item 1) - For use with Item 2C, 3/4 in x 3/4 in x 31 only, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galv steel, attached to floor and ceiling with fasteners 24 in. OC, max.

- CLARKDIETRECH BUILDING SYSTEMS - CD ProTRAC

- DMPCWBS L L C - ProTRAC

- HBA METAL FRAMING - ProTRAC

- RAM SALES L L C - Ram ProTRAC

- STEEL STRUCTURAL PRODUCTS L L C - Tri-PS ProTRAC

- 1F. Framing Members - Floor and Ceiling Runners - (Not shown) - In lieu of Item 1 - For use with Item 2F, proprietary channel shaped runners, minimum width to accommodate stud size, with 1-1/8 in. long legs fabricated from min 0.015 in. (min bare metal thickness) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC, max.

- 1G. Framing Members - Floor and Ceiling Runners - (Not shown) - In lieu of Item 1 - For use with Item 2G, proprietary channel shaped runners, minimum width to accommodate stud size attached to floor and ceiling with fasteners 24 in. OC, max.

- STUDDO BUILDING SYSTEMS - CRODSTUD

- 1H. Floor and Ceiling Runners - (Not shown) - Channel shaped, fabricated from min 0.020 in. galv steel, min width to accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.020 in. galv steel, attached to floor and ceiling with fasteners spaced max 24 in. OC, max.

- MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper20™ Track VTS10

- 1I. Framing Members - Floor and Ceiling Runners - (Not shown, as an alternate to Item 1) - For use with Item 2H, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galv steel, attached to floor and ceiling with fasteners 24 in. OC, max.

- TELLING INDUSTRIES L L C - TRUE-TRACK™

Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2A. Steel Studs - (As an alternate to Item 2) - For use with Items 9B, 9E, 9H, 9I and 9K) Channel shaped, fabricated from min 20 HSG corrosion-protected or galv steel, 1-1/2 in. min depth, spaced a max of 18 in. OC. Studs friction fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

2B. Framing Members - Steel Studs - (Not shown) - In lieu of Item 2 - For use with Items 9C, 9I or 9K - Proprietary channel shaped studs, 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height and fasteners to be attached to the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only.

CALIFORNIA EXPANDED METAL PRODUCTS CO - Viper25™

CRACO MFG INC - SmartStuds25™

MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper25™

PHILLIPS MFG CO L L C - Viper25™

2C. Framing Members - Steel Studs - (Not shown) - In lieu of Item 2 - proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max 24 in. OC, fabricated from min 0.020 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights.

CALIFORNIA EXPANDED METAL PRODUCTS CO - Viper20™

MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper20™

PHILLIPS MFG CO L L C - Viper20™

2D. Framing Members - Steel Studs - In lieu of Item 2 - Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

ALLSTEEL & GYPSUM PRODUCTS INC - Type SUPREME Framing System

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV - Type SUPREME Framing System

QUAIL RUN BUILDING MATERIALS INC - Type SUPREME Framing System

SCAFCO STEEL STUD MANUFACTURING CO - Type SUPREME Framing System

STEEL CONSTRUCTION SYSTEMS INC - Type SUPREME Framing System

UNITED METAL PRODUCTS INC - Type SUPREME Framing System

2E. Framing Members - Steel Studs - (As an alternate to Item 2) - For use with Items 9C or 9L or 9K or 9M only, channel shaped studs, min depth as indicated under Item 5F, 5G or 9L fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDIETRECH BUILDING SYSTEMS - CD ProTRAC

DMPCWBS L L C - ProTRAC

HBA METAL FRAMING - ProTRAC

RAM SALES L L C - Ram ProTRAC

2F. Framing Members - Steel Studs - (Not shown) - In lieu of Item 2 - For use with Items 9C or 9L or 9K or 9M only, channel shaped studs, min depth as indicated under Item 5F, 5G or 9L fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

CLARKDIETRECH BUILDING SYSTEMS - CD ProTRAC

DMPCWBS L L C - ProTRAC

HBA METAL FRAMING - ProTRAC

RAM SALES L L C - Ram ProTRAC

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- STEEL STRUCTURAL PRODUCTS L L C - Tri-PS ProTRAC

- 2F. Framing Members - Steel Studs - (Not shown) - In lieu of Item 2 - proprietary channel shaped steel studs, minimum width indicated under Item 5, Studs to be cut 3/4 in. less than assembly height.

- 2H. Framing Members - Steel Studs - (Not shown, as an alternate to Item 2) - Fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

TELLING INDUSTRIES L L C - TRUE-TRACK™

- 2I. Framing Members - Steel Studs - (As an alternate to Item 2) - For use with Items 9C or 9L or 9K or 9M only, channel shaped studs, min depth as indicated under Item 5F, 5G or 9L fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

TELLING INDUSTRIES L L C - Viper25™

- 2J. Framing Members - Steel Studs - (Not shown) - In lieu of Item 2 - proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

TELLING INDUSTRIES L L C - Viper25™

- 2K. Framing Members - Steel Studs - (As an alternate to Item 2) - For use with Item 1, channel shaped studs, fabricated from min 20 HSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

CRACO MFG INC - SmartTracks25™

EMERALT INC - EB Stud

- 2L. Framing Members - Steel Studs - (As an alternate to Item 2) - For use with Item 1, channel shaped studs, fabricated from min 20 HSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

OLMAR SUPPLY INC - PROTRAC

- 2M. Framing Members - Steel Studs - (As an alternate to Item 2) - For use with Item 1, channel shaped studs, fabricated from min 20 HSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

MARINO/WARE, DIV OF WARE INDUSTRIES INC - Viper25™

PHILLIPS MFG CO L L C - Viper25™

- 3. Wood Structural Panel Sheathing - (Optional) For use with Item 5 only. - (Not shown) - 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DCS P1 or P2, or APA Standard Ply, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints are to be staggered. Min. headlap: 6" to 2-1/2 in., at maximum 8 in. OC. In the perimeter and 12 in. OC. If the field, then used, applied vertically to studs, and staggered one stud space from wall/ceiling joints. Attached to studs with 1/4" head self-drilling screws spaced 12 in. OC, max.

- 4. Batts and Blankets - (Required as indicated under Item 5) - Mineral wool batts, friction fitted between studs and runners. Min room thickness as indicated under Item 5. See Batts and Blankets (BKW or BZZ) Categories for names of Classified companies.

- 4A. Batts and Blankets - (Optional) - Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Markings as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKW or BZZ) Categories for names of Classified companies.

- 4B. Batts and Blankets - For use with Item 5K. Placed in stud cavities, any min. 3-1/2 in. thick glass fiber insulation bearing the UL Classification Markings as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKW or BZZ) Categories for names of Classified companies.

- 5. Gypsum Board - Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Clear stud depth shall be a minimum 3-5/8 in. H.

- 5G. Gypsum Board - (As an alternate to Item 5) - For use with Items 2 and 2E only, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 5. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Minimum depth to studs with 1-1/4 in. long Type S-12 (or No. 4 or 1-1/4 in. long high head fire drill) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11B) or Lead Discs (see Item 12A).

- 5H. Gypsum Board - (Not shown) - (As an alternate to Item 5) when used as the base layer on one or both sides of wall where 5/8 in. or 3/4 in. thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 2). Min 5/8 in. thick back laced gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Minimum depth to studs with 1-1/4 in. long Type S-12 (or No. 4 or 1-1/4 in. long high head fire drill) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 HSG steel studs Item 2B with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11B) or Lead Discs (see Item 12A).

- 5I. Gypsum Board - (As an alternate to Item 5) - Min. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5.

CGC INC - Type USGX.

- UNITED STATES GYPSUM CO - Type PRO-G, XH.

- USG MEXICO S A DE CV - Type SCK, SGK.

- UNITED STATES GYPSUM CO - Type USGX.

- USG MEXICO S A DE CV - Type SCK, SGK.

- UNITED STATES GYPSUM CO - Type USGX.

- USG MEXICO S A DE CV - Type SCK, SGK.

- UNITED STATES GYPSUM CO - Type USGX.

- USG MEXICO S A DE CV - Type SCK, SGK.

- UNITED STATES GYPSUM CO - Type PRO-G, XH.

- USG MEXICO S A DE CV - Type SCK, SGK.

- UNITED STATES GYPSUM CO - Type PRO-G, XH.

- USG MEXICO S A DE CV - Type SCK, SGK.

- UNITED STATES GYPSUM CO - Type PRO-G, XH.

Installed on each side of the studs with 1 in. long Type C coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 4 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom tracks with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type C coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 4 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom tracks with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under Section 11 or 12 in the Fire Restraive Directory.

CGC INC - Type USGX.

UNITED STATES GYPSUM CO - Type SCK, SGK.

USG MEXICO S A DE CV - Type SCK, SGK.

50. Gypsum Board - (As an alternate to Item 5) - 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 4 only.

CGC INC - Type USGX.

UNITED STATES GYPSUM CO - Type USGX.

USG MEXICO S A DE CV - Type SCK, SGK.

5E. Gypsum Board - (Not shown) - (As an alternate to Item 5) when used as the base layer on one or both sides of wall where 1/2 in. or 3/8 in. thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 2). Nominal 5/8 in. thick back laced gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Clear stud depth shall be a minimum 3-5/8 in. H.

NEW ENGLAND LEAD BURNING CO, INC, DRA NELO - Neo

- 5F. Gypsum Board - (As an alternate to Item 5) - For use with Items 2E and 2E only, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 5. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Minimum depth to studs with 1-1/4 in. long Type S-12 (or No. 4 or 1-1/4 in. long high head fire drill) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11B) or Lead Discs (see Item 12A).

- 5G. Gypsum Board - (As an alternate to Item 5) - For use with Items 2 and 2E only, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 5. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Minimum depth to studs with 1-1/4 in. long Type S-12 (or No. 4 or 1-1/4 in. long high head fire drill) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11B) or Lead Discs (see Item 12A).

- 5H. Gypsum Board - (Not shown) - (As an alternate to Item 5) when used as the base layer on one or both sides of wall where 5/8 in. or 3/4 in. thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 2). Min 5/8 in. thick back laced gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Minimum depth to studs with 1-1/4 in. long Type S-12 (or No. 4 or 1-1/4 in. long high head fire drill) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 HSG steel studs Item 2B with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11B) or Lead Discs (see Item 12A).

- 5I. Gypsum Board - (As an alternate to Item 5) - Min. 5/8 in. thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5.

CGC INC - Type USGX.

- UNITED STATES GYPSUM CO - Type USGX.

USG MEXICO S A DE CV - Type SCK, SGK.

- UNITED STATES GYPSUM CO - Type USGX.

USG MEXICO S A DE CV - Type SCK, SGK.

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USG MEXICO S A DE CV - Type SCK, SGK.

- UNITED STATES GYPSUM CO - Type USGX.

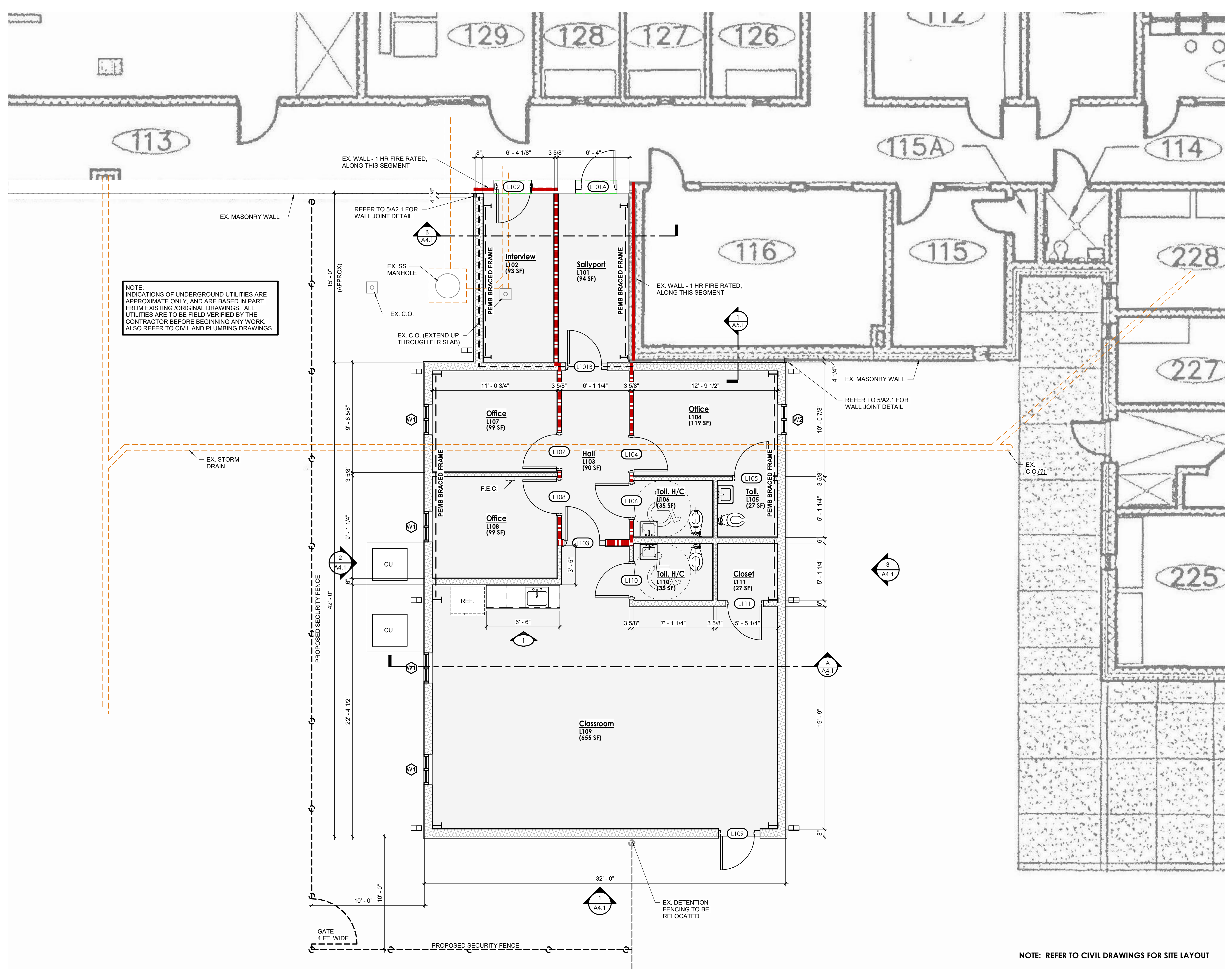
REVISIONS			
NO.	DATE	BY	DESCRIPTION



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117 East Leflore, Memphis, Tennessee
731.988.9840 (phone) - 731.988.9952 (fax)

Floor Plan
CLASSROOM ADDITION TO DYER COUNTY JAIL
for
Dyer County, Tennessee
Dyersburg, Tennessee

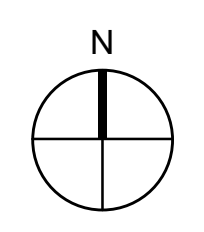
Dec. 8, 2023
J-6401B1
A1.1



NOTE: INDICATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE ONLY, AND ARE BASED IN PART FROM EXISTING ORIGINAL DRAWINGS. ALL UTILITIES ARE TO BE FIELD VERIFIED BY THE CONTRACTOR BEFORE BEGINNING ANY WORK. ALSO REFER TO CIVIL AND PLUMBING DRAWINGS.

NOTE: REFER TO CIVIL DRAWINGS FOR SITE LAYOUT

1
A1.1
Floor Plan - Classroom Addition
SCALE: 1/4" = 1'-0"



NOTE TO BIDDERS:
THE PRE-ENGINEERED METAL BUILDING (PEMB) ASSEMBLY / PACKAGE IS PROVIDED BY OWNER, AND INSTALLED BY CONTRACTOR. THIS BID INCLUDES ERECTION/INSTALLATION OF THE PEMB ASSEMBLY AND RELATED COMPONENTS, AS INDICATED. THIS BID ALSO INCLUDES PROVIDING AND INSTALLING THE CORRUGATED METAL LINER PANELS (INTERIOR PANELS) AS INDICATED IN THIS DRAWING SET.

Plan Legend - Fire Ratings

4 hr	1-Hour Fire Barrier: 3 5/8" Mtl Studs @ 16" O.C., w/ 1 Layer 5/8" Type "X" Gyp. Bd. Ea. Side, (Painted). Top of wall: 10'-0" AFF. Fire-seal head of wall and all penetrations per U.L. Listed Assembly.
UL Design No. U1419 (Refer to Sheet LS1.2)	

GENERAL PLAN NOTES:

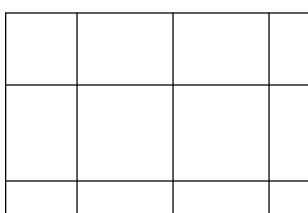
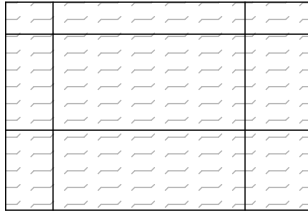

1. PLAN DIMENSIONS ARE FROM FACE OF EXISTING BUILDING, EDGE OF CONCRETE SLAB, FACE OF WALL GIRT, AND/OR STRUCTURAL CENTERLINE UNLESS INDICATED OTHERWISE.
2. REFER TO CIVIL, STRUCTURAL, FIRE PROTECTION, PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR INFORMATION NOT SHOWN OR REFERENCED ON THIS DRAWING.
3. REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS. SLOPE SLAB TO DRAIN 1% MIN. 2% MAX.
4. VERIFY AND COORDINATE ALL OPENINGS IN PEMB WALLS WITH PEMB SHOP DRAWINGS.

Plan Legend

[Symbol]	Existing Wall: Existing CMU (exterior walls include 4" masonry veneer) CMU thickness / type may vary.
[Symbol]	Exterior Wall - PEMB: Prefinished Mtl Panels, on Pre-Engineered Metal Building / 8" Girts, w/ 6" Fiberglass insulation w/ Air & Moisture Barrier. Interior: 18 GA. corrugated steel panels extend to roof deck, w/ security head fasteners. Provide 4x4-W4 Welded Wire Fabric behind the interior panels.
[Symbol]	Interior Partition - 6" Metal Studs: 6" Mtl Studs @ 16" O.C., w/ 5/8" Gyp. Bd. Ea. Side, (Painted). Top of wall: 10'-0" AFF, except where noted otherwise.
[Symbol]	Interior Partition - 3 5/8" Metal Studs: 3 5/8" Mtl Studs @ 16" O.C., w/ 5/8" Gyp. Bd. Ea. Side, (Painted). Top of wall: 10'-0" AFF, except where noted otherwise.
[Symbol]	Fire Extinguisher Cabinet: Fire Extinguisher & Cabinet - Field verify exact location with jail administrator.

Ceiling Notes

- MECHANICAL, FIRE PROTECTION, LIGHTING, AND COMMUNICATION DEVICES/COMPONENTS ARE SHOWN FOR REFERENCE ONLY. REFER TO MP&E PLANS. ADJUST LOCATION CONFLICTS AS REQUIRED TO MATCH GRID ON THIS PLAN.
- DIMENSIONS SHOWN ON THIS PLAN ARE TO FINISHED SURFACES / EDGE OF CEILING.
- REFER TO SPECIFICATIONS FOR CEILING TYPES.

Ceiling Legend	
	24" X 24" SUSPENDED ACOUSTICAL CEILING GRID AND TILE
	DETECTION CEILING Grade 1 & 2 24" X 48" PREFINISHED STEEL GRID / PAN SYSTEM, PERFORATED
	NO CEILING - EXPOSED STRUCTURE

Notes - Roof Plan

- REFER TO MP&E DRAWINGS FOR EQUIPMENT AND OTHER INFORMATION. COORDINATE WITH STRUCTURAL FOR EXACT LOCATIONS OF EQUIPMENT AND PENETRATIONS.
- "D.S." INDICATES DOWNSPOUT LOCATION. PROVIDE PRECAST CONCRETE SPLASH BLOCK AT EACH DOWNSPOUT.

REVISIONS

NO.	DATE	BY	DESCRIPTION

CONSULTANT

NO.	DATE	BY	DESCRIPTION



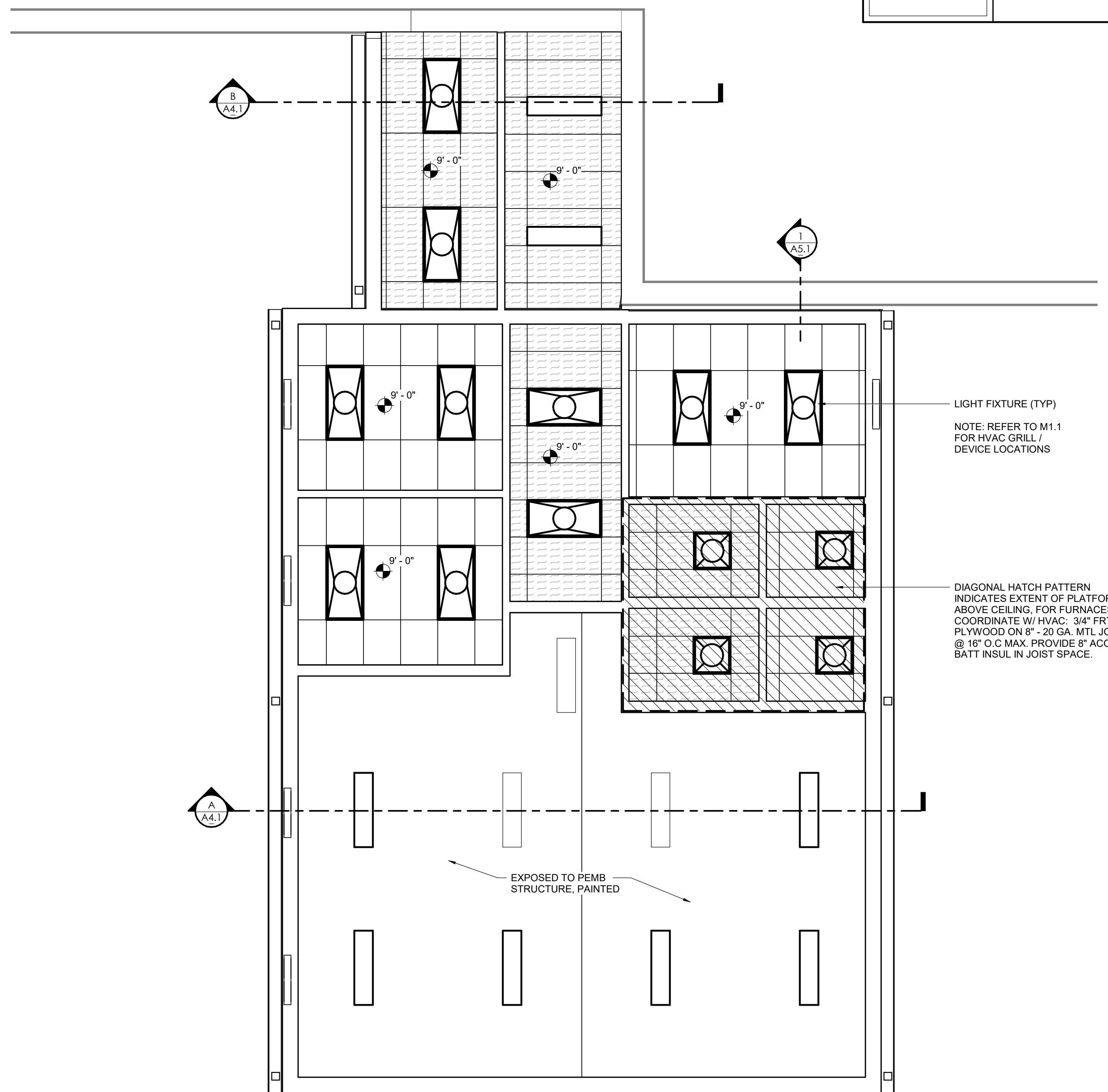
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731.988.9840 (phone) - 731.988.9959 (fax)

CLASSROOM ADDITION TO DYER COUNTY JAIL
for
Dyer County, Tennessee
Dyersburg, Tennessee

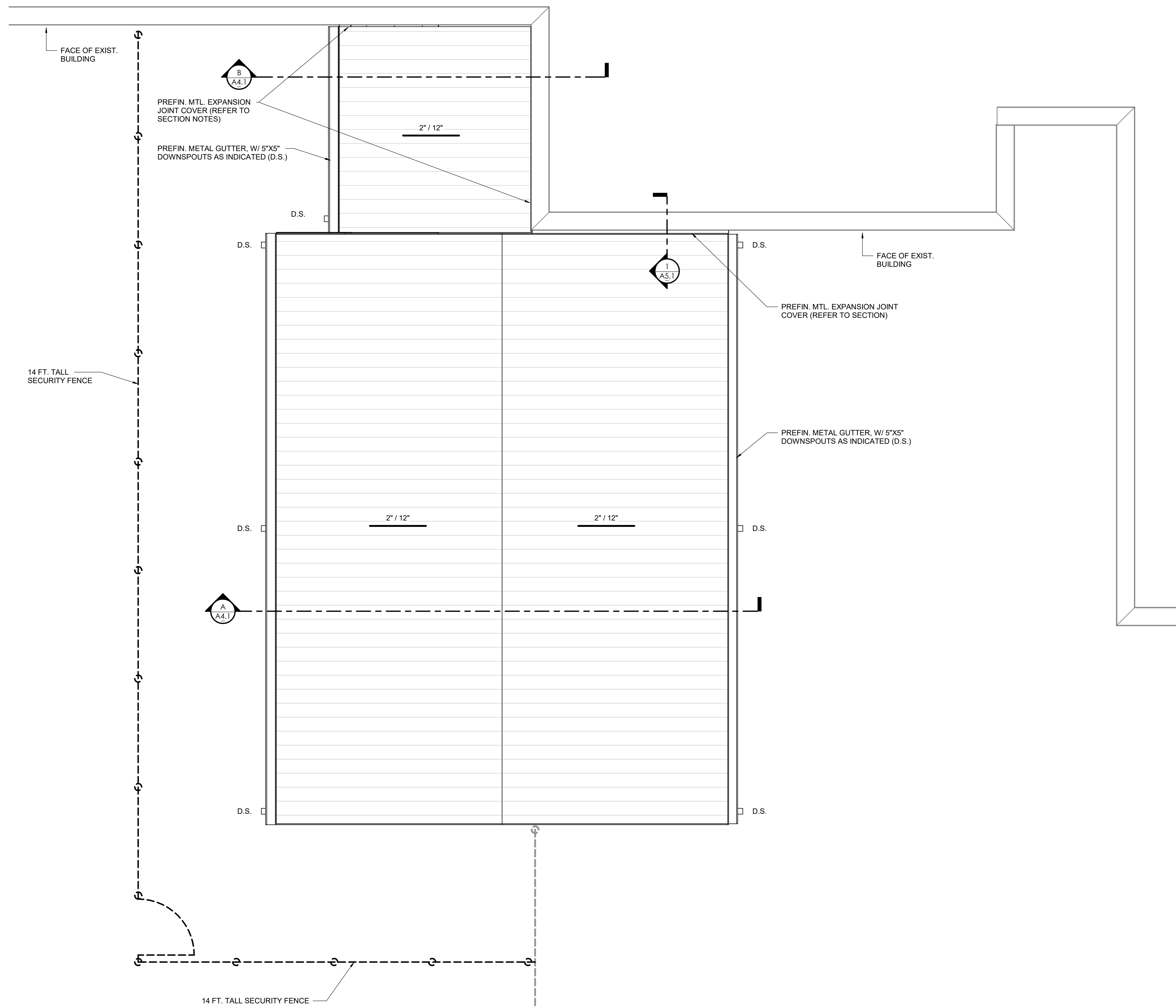
Dec. 8, 2023

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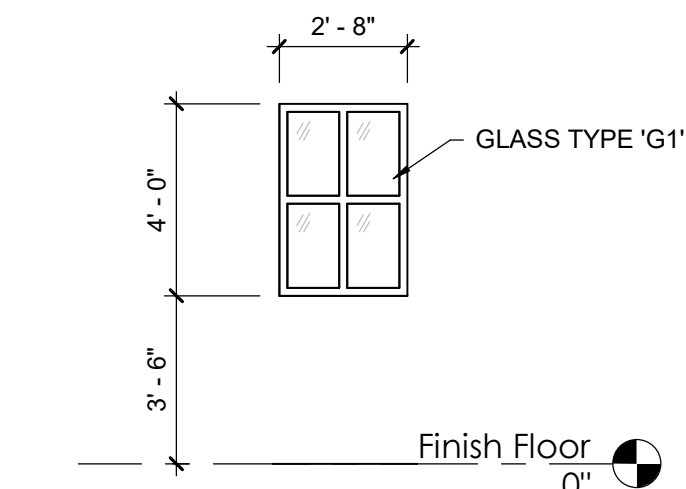
A1.2



2 Reflected Ceiling Plan
SCALE: 1/4" = 1'-0"

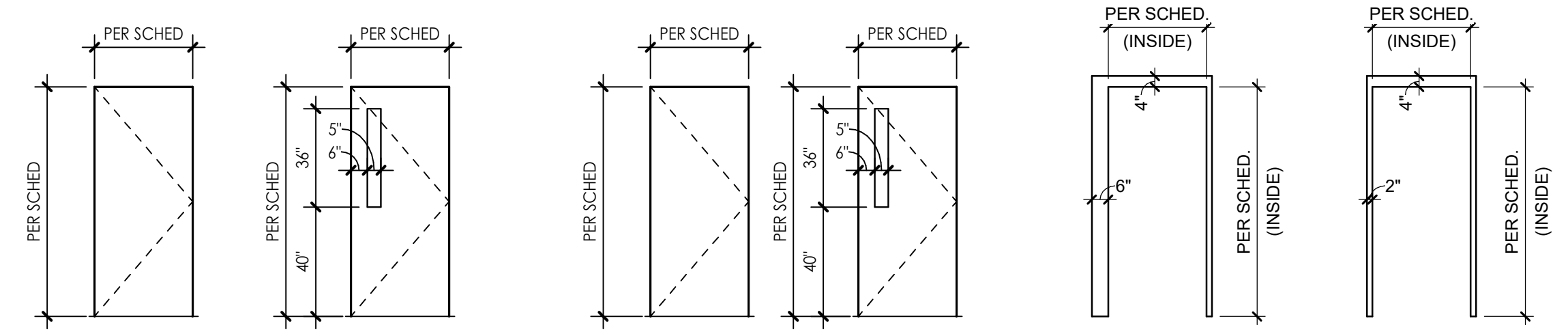


1 Roof Plan
SCALE: 1/4" = 1'-0"



PREFINISHED ALUMINUM UNIT - 4" FRAME DEPTH (NOMINAL). COLOR: STANDARD CLEAR ANODIZED. (BASIS OF DESIGN: "KAWNEER MODEL 8400TL", THERMALLY BROKEN FRAME).
INSTALLATION SHALL INCLUDE SILL PAN FLASHING, AND J TRIM AT HEAD AND JAMBS. PROVIDE SEALANT AT PERIMETER.

Window Type 'W1'
1/4" = 1'-0"



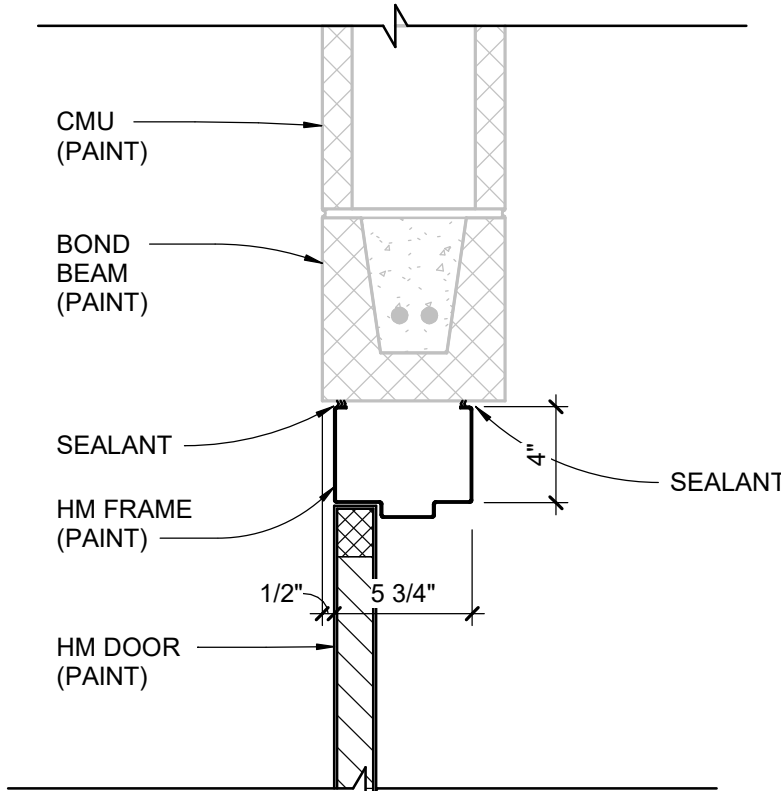
1. REFER TO DOOR SCHEDULE FOR GLAZING TYPE.

Door Type Elevations
1/4" = 1'-0"

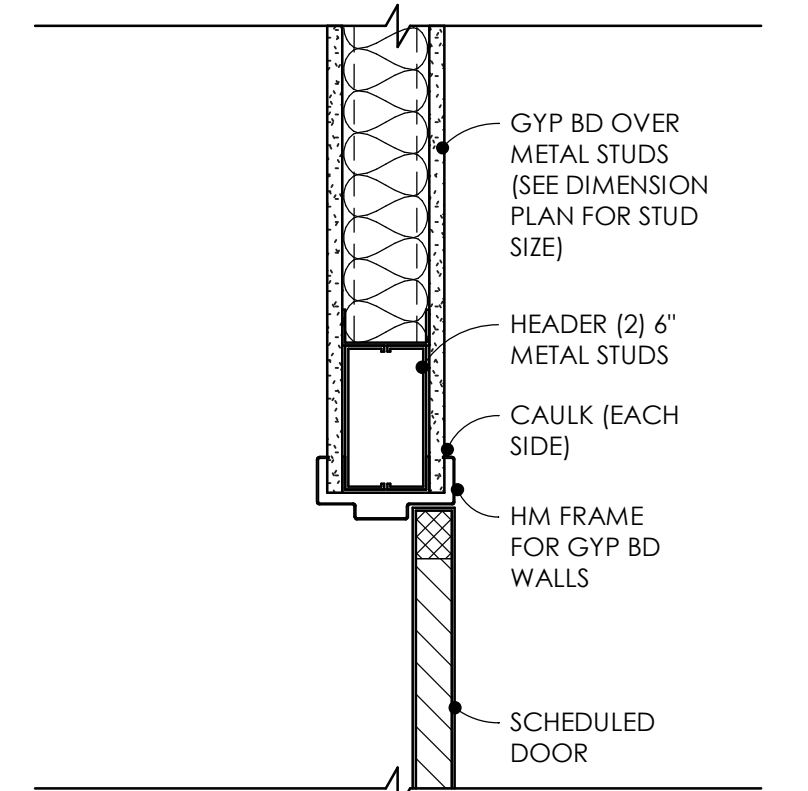
Frame Type Elevations
1/4" = 1'-0"

DOOR NO. PAIR	SIZE			DOOR ELEV. TYPE	GLASS TYPE	FRAME ELEV. TYPE			FIRE RATING	HWD. SET	DOOR NO.	REMARKS
	WIDTH	HEIGHT	THICK.			HEAD	JAMB	SILL				
L101A	3'-0"	7'-0"	2"	DD2	SG-1	DF1	H1A	J1A		DH-1	L101A	DETENTION DOOR & FRAME, w/ ELECTR. ACCESS CONTROL
L101B	3'-0"	7'-0"	2"	DD2	SG-1	DF1	H1	J1		DH-1	L101B	DETENTION DOOR & FRAME, w/ ELECTR. ACCESS CONTROL
L102	3'-0"	7'-0"	1 3/4"	D2	SG-2	F1	H1A	J1A	20 MIN.	A	L102	
L103	3'-0"	7'-0"	2"	DD2	SG-2	DF1	H1	J1	20 MIN.	DH-1	L103	DETENTION DOOR & FRAME, w/ ELECTR. ACCESS CONTROL
L104	3'-0"	7'-0"	1 3/4"	D1	N/A	F1	H1	J1	20 MIN.	B	L104	
L105	3'-0"	7'-0"	1 3/4"	D1	N/A	F1	H1	J1	20 MIN.	C	L105	
L106	3'-0"	7'-0"	1 3/4"	D1	N/A	F1	H1	J1	20 MIN.	D	L106	
L107	3'-0"	7'-0"	1 3/4"	D1	N/A	F1	H1	J1	20 MIN.	B	L107	
L108	3'-0"	7'-0"	1 3/4"	D1	N/A	F1	H1	J1	20 MIN.	B	L108	
L109	3'-0"	7'-0"	2"	DD1	N/A	DF1	H2	J2	S1	DH-2	L109	DETENTION DOOR & FRAME, w/ ELECTR. ACCESS CONTROL
L110	3'-0"	7'-0"	1 3/4"	D1	N/A	F1	H1	J1		D	L110	
L111	3'-0"	7'-0"	1 3/4"	D1	N/A	F1	H1	J1		E	L111	

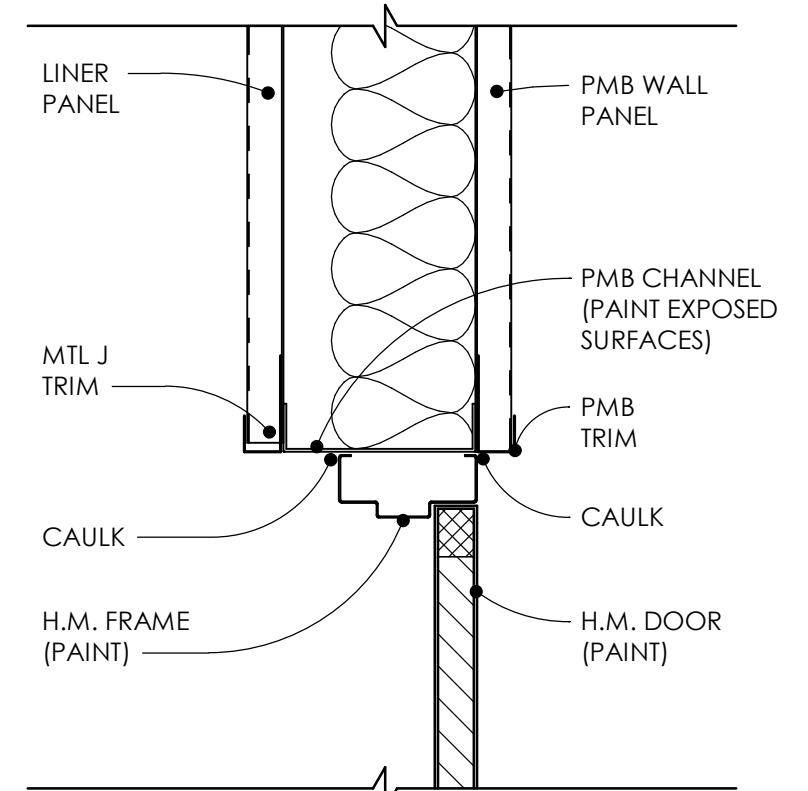
TOTAL DOORS: 12



H1A (HEAD)
J1A (JAMB)



H1 (HEAD)
J1 (JAMB)



H2 (HEAD)
J2 (JAMB)



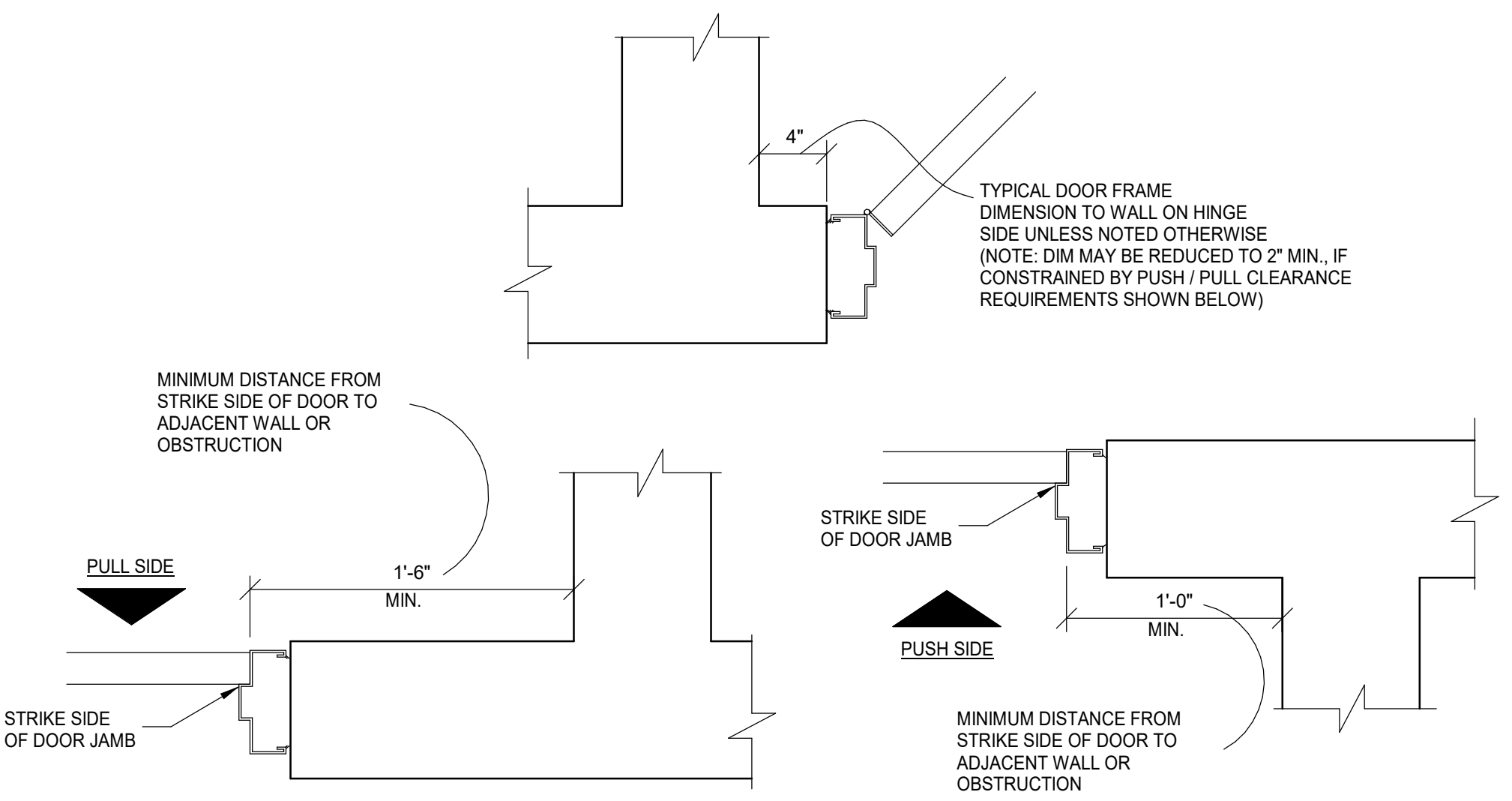
S1 (SILL)

Door Head, Jamb, & Sill Details
1 1/2" = 1'-0"

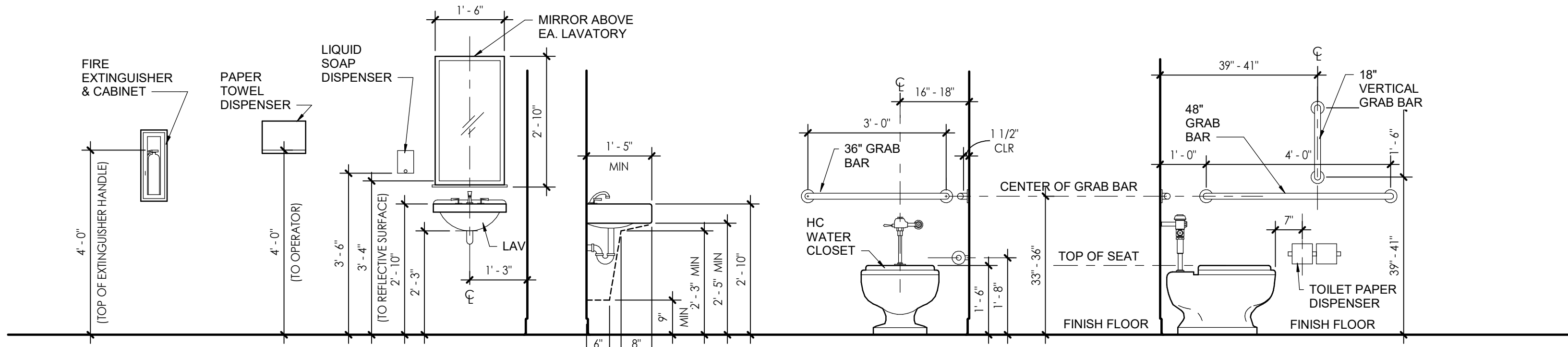
TYPE	DESCRIPTION
SG-1	1/2" MONOLITHIC MAR RESISTANT POLYCARBONATE, SHEFFIELD PLASTICS MAKROLON AR500, GE PLASTICS MR-10, OR APPROVED EQUAL. WMFL 15 MINUTE FORCED ENTRY, ASTM F-1233-93, CLASS II (STEP 7).
SG-2	1/2" MONOLITHIC MAR RESISTANT POLYCARBONATE, SHEFFIELD PLASTICS MAKROLON AR500, GE PLASTICS MR-10, OR APPROVED EQUAL. WMFL 15 MINUTE FORCED ENTRY, ASTM F-1233-93, CLASS II (STEP 7) + UL LISTED, LAMINATED 20-MINUTE FIRE-RATED, SAFETY-RATED GLASS (EXPOSED TO CORRIDOR SIDE).
G-1	1" THICK, LOW-E, INSULATED GLASS

Legend - Glass Types

- Door Notes**
- REFER TO THE SPECIFICATIONS FOR HARDWARE SCHEDULES THAT COORDINATE WITH HARDWARE SET DESIGNATIONS IN THIS DOOR SCHEDULE.
 - REFER TO DOOR SCHEDULE FOR DETENTION DOORS.
 - ALL DETENTION DOORS SHALL HAVE REMOTE RELEASE FUNCTION FOR DOOR LOCK. REFER TO ELECTRONIC SECURITY SYSTEM SPECIFICATIONS AND ELECTRICAL DRAWINGS.
 - SEE FLOOR PLAN FOR ALL RATED WALL LOCATIONS AND TYPES.
 - ALL RATED DOORS SHALL RECEIVE RATED FRAMES & HARDWARE SETS.
 - APPLY SEALANT BEAD TO ALL FRAMES ON EACH SIDE.
 - ALL DOOR STRIKES SHALL BE MOUNTED 36" A.F.F. UNLESS OTHERWISE NOTED. COORDINATE WITH LOCK PREP AND PANIC BAR HEIGHTS.
 - KEYING SHALL BE COORDINATED WITH OWNER'S GRANDMASTER KEYING SYSTEM.
 - EXTERIOR H.M. DOORS & FRAMES SHALL BE INSULATED, GALVANIZED & FIELD PAINTED.
 - LINETS SHOWN ON ALL ARCHITECTURAL DRAWINGS ARE AN INDICATION THAT A LINEL EXISTS. REFER TO STRUCTURAL DRAWINGS FOR SPECIFIC LINEL REQUIREMENTS AT ALL OPENINGS.
 - ALL DOOR GLASS/VISION LITE METAL FRAMES SHALL BE PAINTED.
 - ALL EXPOSED HARDWARE ON DETENTION DOORS SHALL BE DETENTION GRADE, INCLUDING THRESHOLDS AND WEATHER STRIPPING.

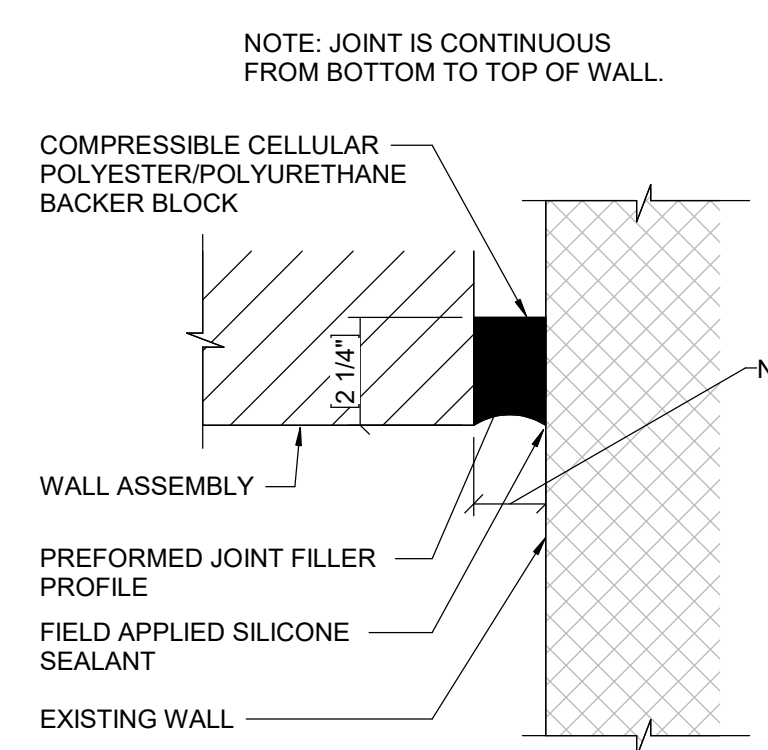


Typical Door Clearances
1 1/2" = 1'-0"

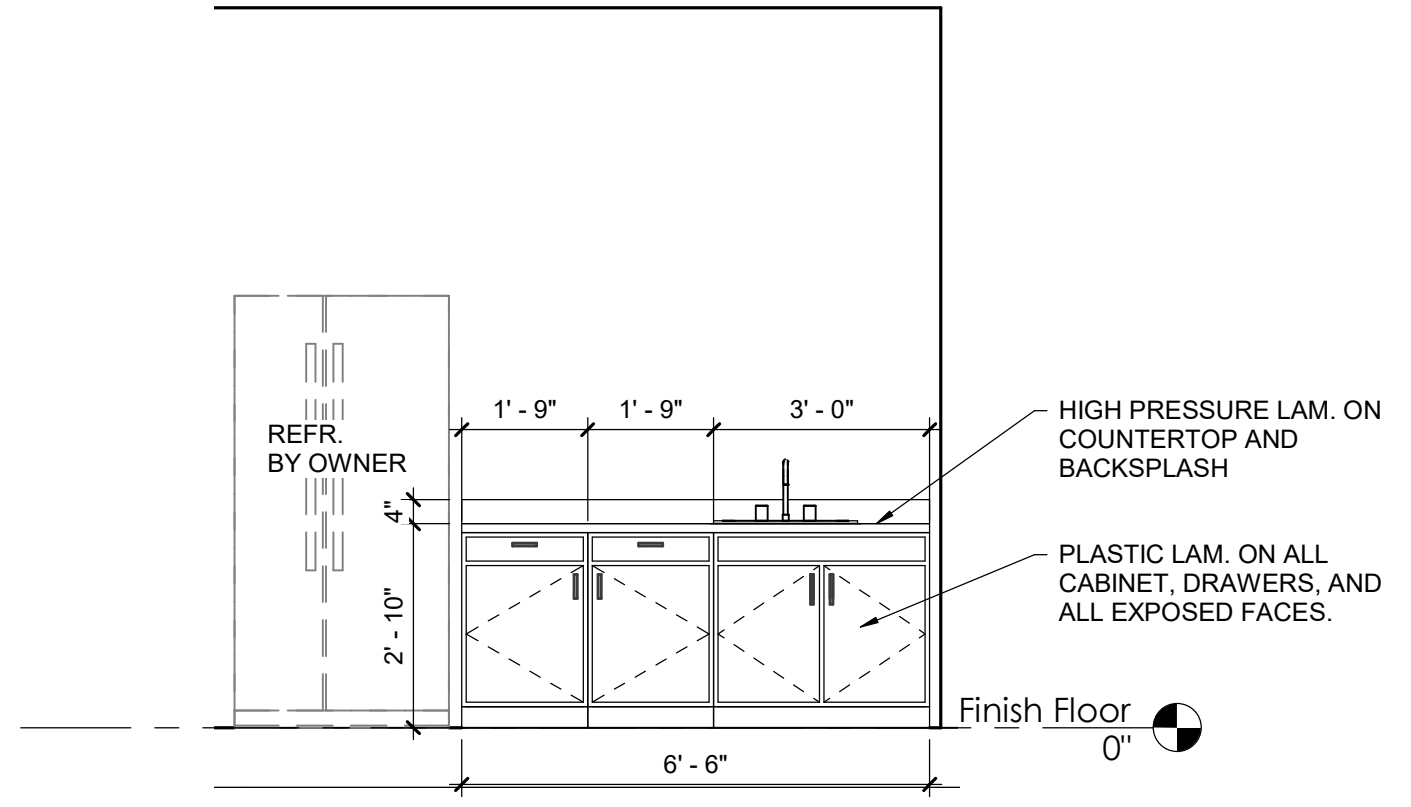


Typical ADA Fixture Mounting
1/2" = 1'-0"

NOTES:
1. SEE PLUMBING FOR EXACT FIXTURE TYPES.
2. ALL COMPONENTS AND ACCESSORIES SHALL BE ATTACHED WITH SECURITY HEAD FASTENERS.



Building Expansion Joint Detail
SCALE: 3" = 1'-0"



Elevation 3 - a
SCALE: 3/8" = 1'-0"

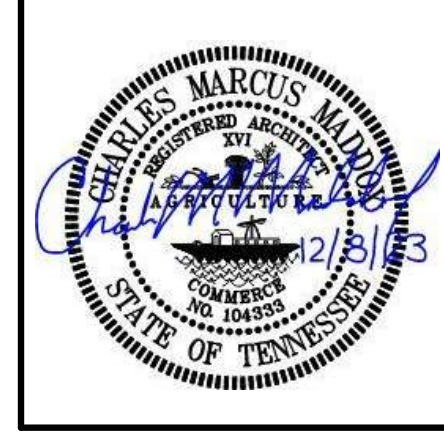
ROOM NO.	NAME	AREA	ROOM FINISH SCHEDULE							ROOM SIGNAGE	COMMENTS		
			FLOOR FINISH	BASE FINISH	WAINSCOT	WALL FINISH	WALL FINISH	WALL FINISH	WALL FINISH				
L101	Sallyport	94 SF	Sealed Concrete	Epoxy Sealer, Slip resist.	No Base	4" Rubber	No Wainscot	Painted - Latex Enamel	Painted - Alkyd Enamel	None			
L102	Interview	93 SF											18 GA. CORRUGATED STL. LINER PANELS AT PEMB WALLS, FULL HEIGHT TO ROOF DECK
L103	Hall	90 SF											
L104	Office	119 SF											
L105	Toil.	27 SF											
L106	Toil. H/C	35 SF											
L107	Office	99 SF											18 GA. CORRUGATED STL. LINER PANELS AT PEMB WALLS, FULL HEIGHT TO ROOF DECK
L108	Office	99 SF											18 GA. CORRUGATED STL. LINER PANELS AT PEMB WALLS, FULL HEIGHT TO ROOF DECK
L109	Classroom	655 SF											18 GA. CORRUGATED STL. LINER PANELS AT PEMB WALLS, FULL HEIGHT TO ROOF DECK
L110	Toil. H/C	35 SF											
L111	Close	27 SF											

Notes - Room Finish Schedule

- STL. LINER PANELS SHALL BE ATTACHED WITH SECURITY HEAD FASTENERS.
- ROOM SIGNAGE SHALL BE PAINTED STENCIL SIGNAGE, INCLUDING ROOM NAME AND NUMBER. HELVETICA FONT, 2" TALL CHARACTERS. EXACT LOCATIONS TO BE CONFIRMED BY OWNER.
- BASE SHALL BE SECURED WITH HIGH STRENGTH SECURITY ADHESIVE IN SALLYPORT, HALL, H/C TOILETS, AND CLASSROOM AREAS.

NO.	DATE	BY	DESCRIPTION

CONSULTANT



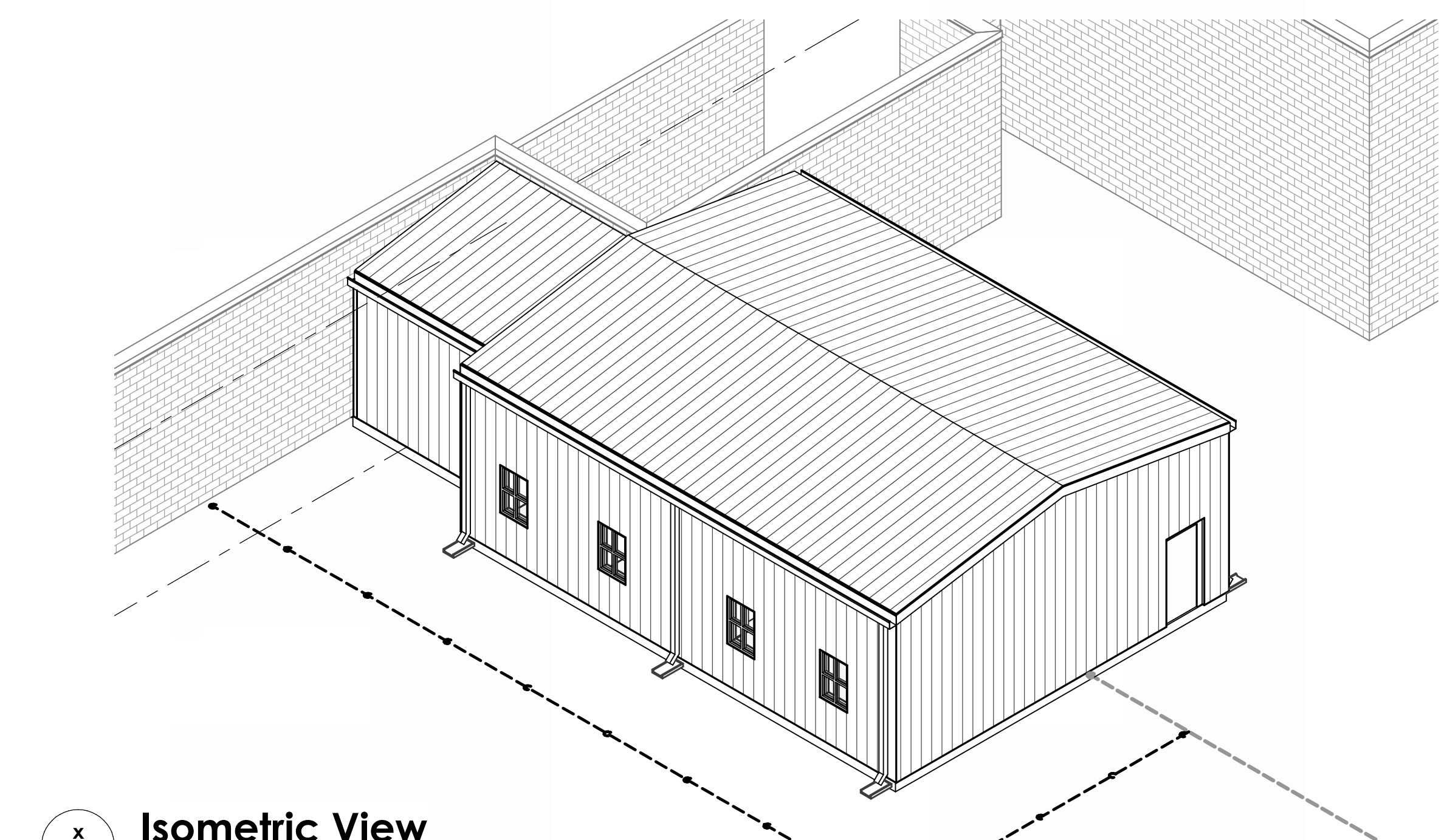
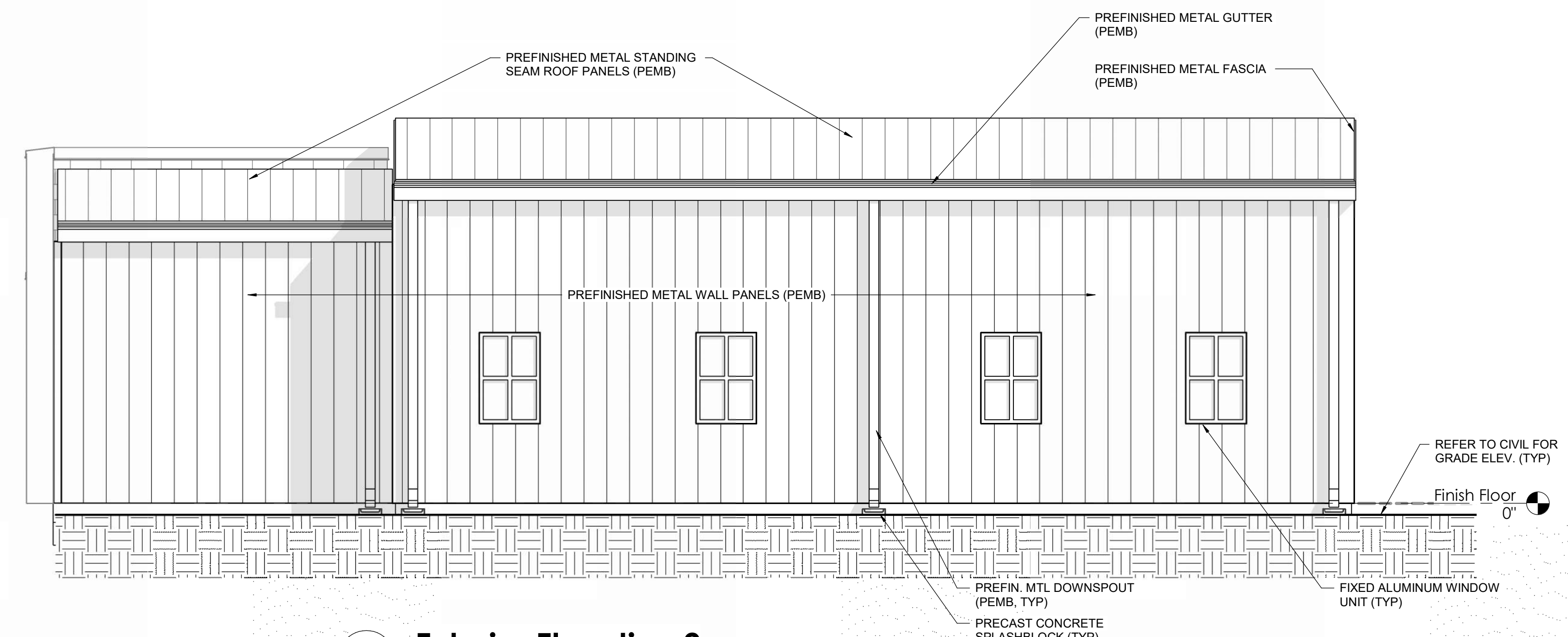
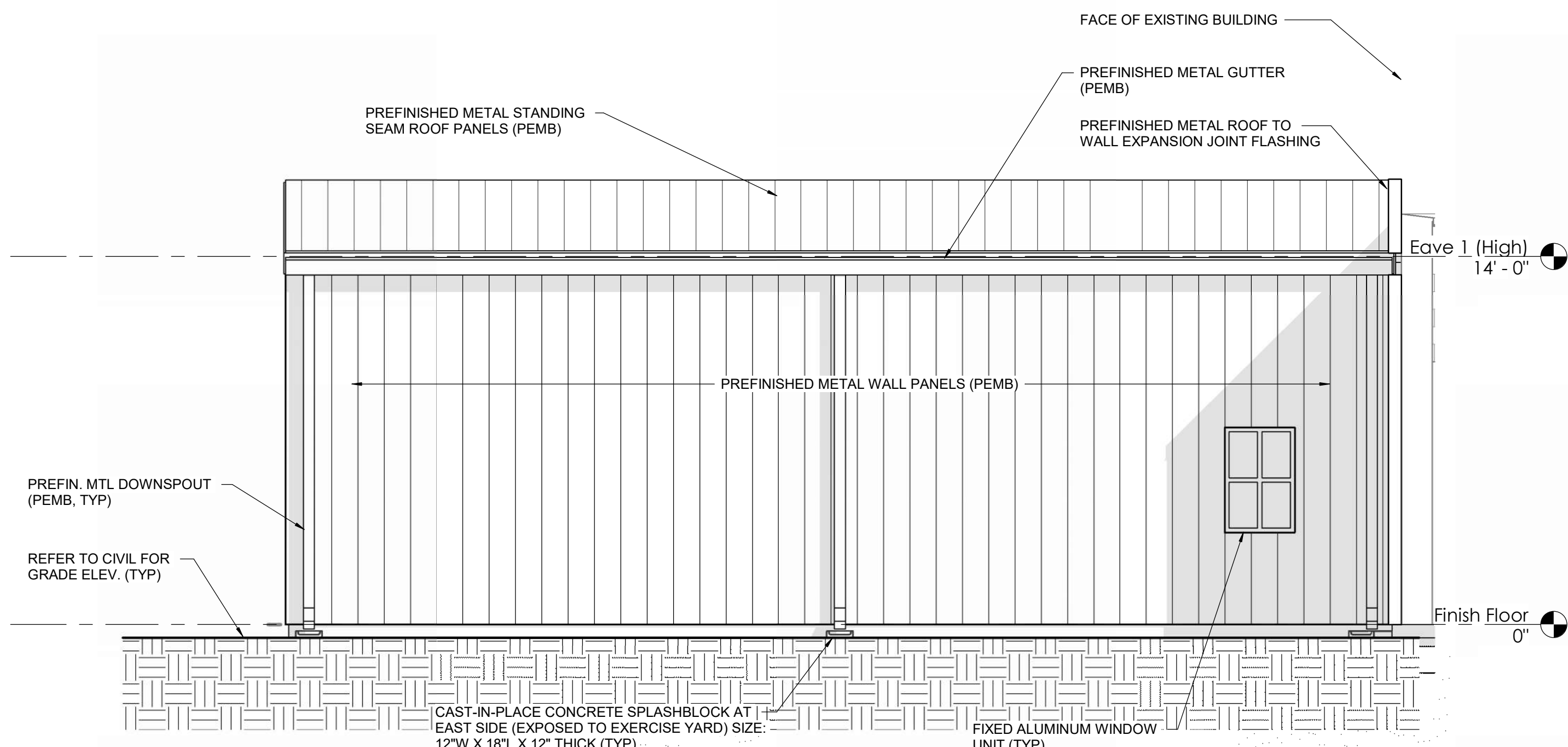
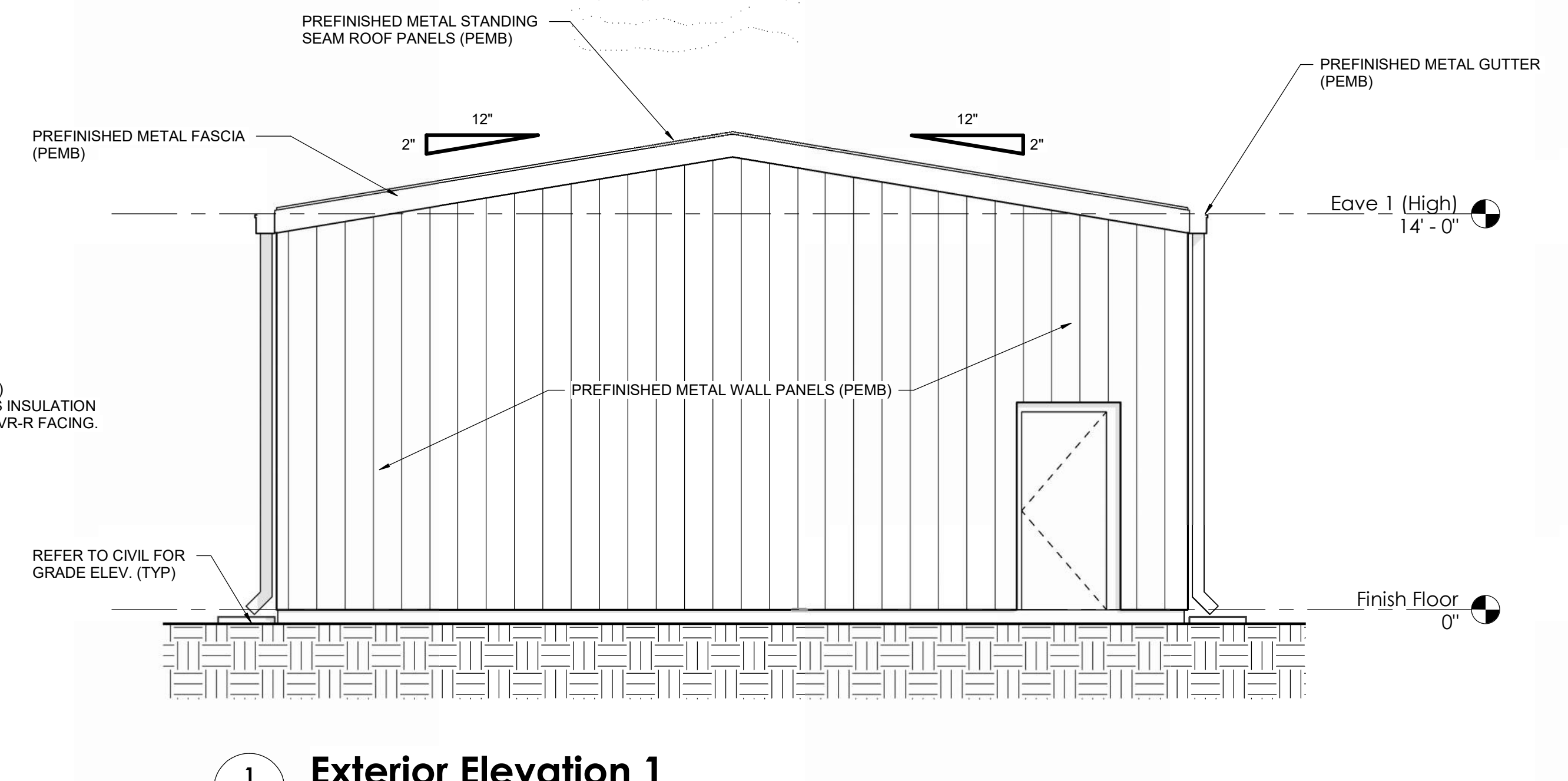
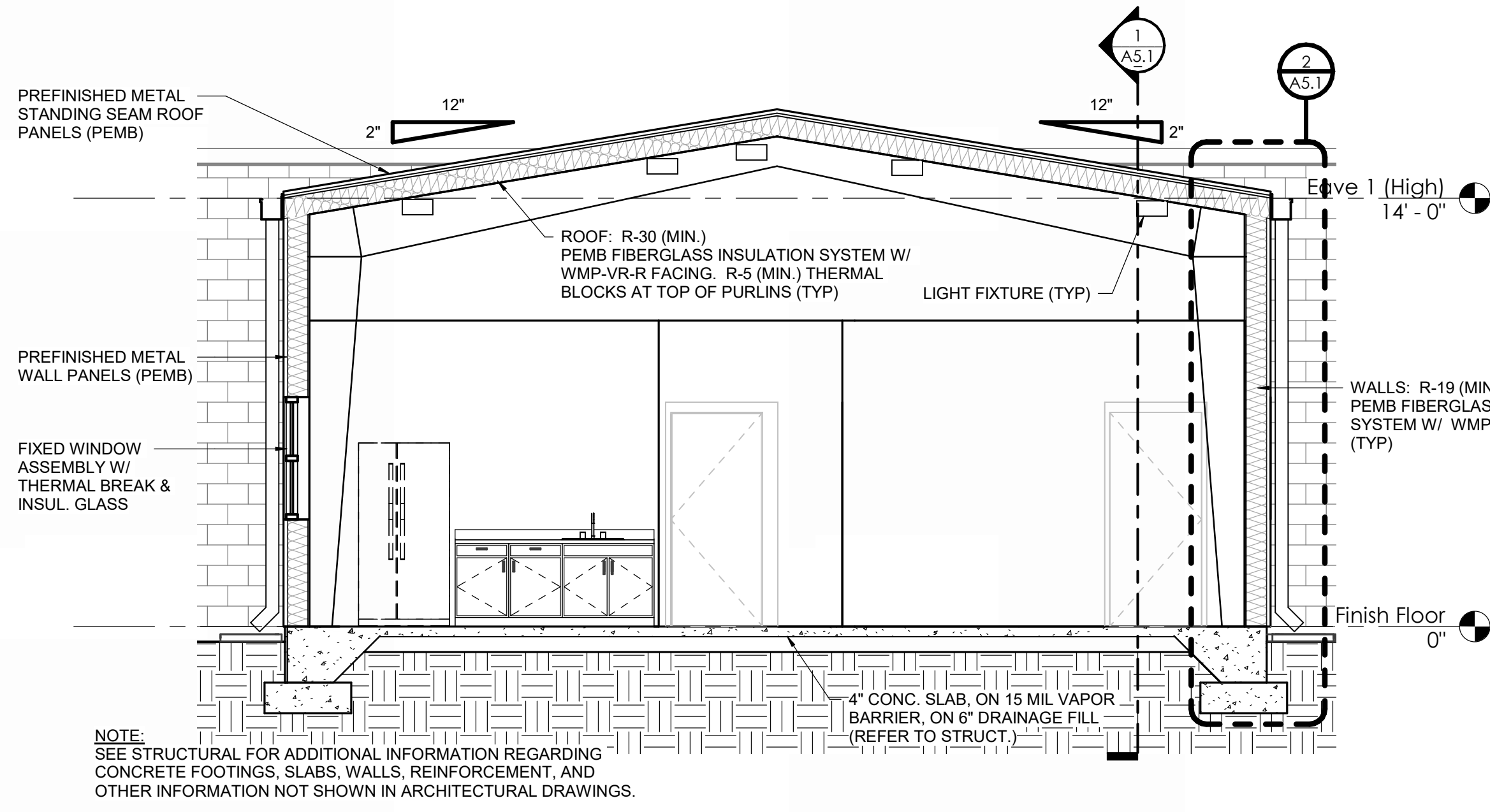
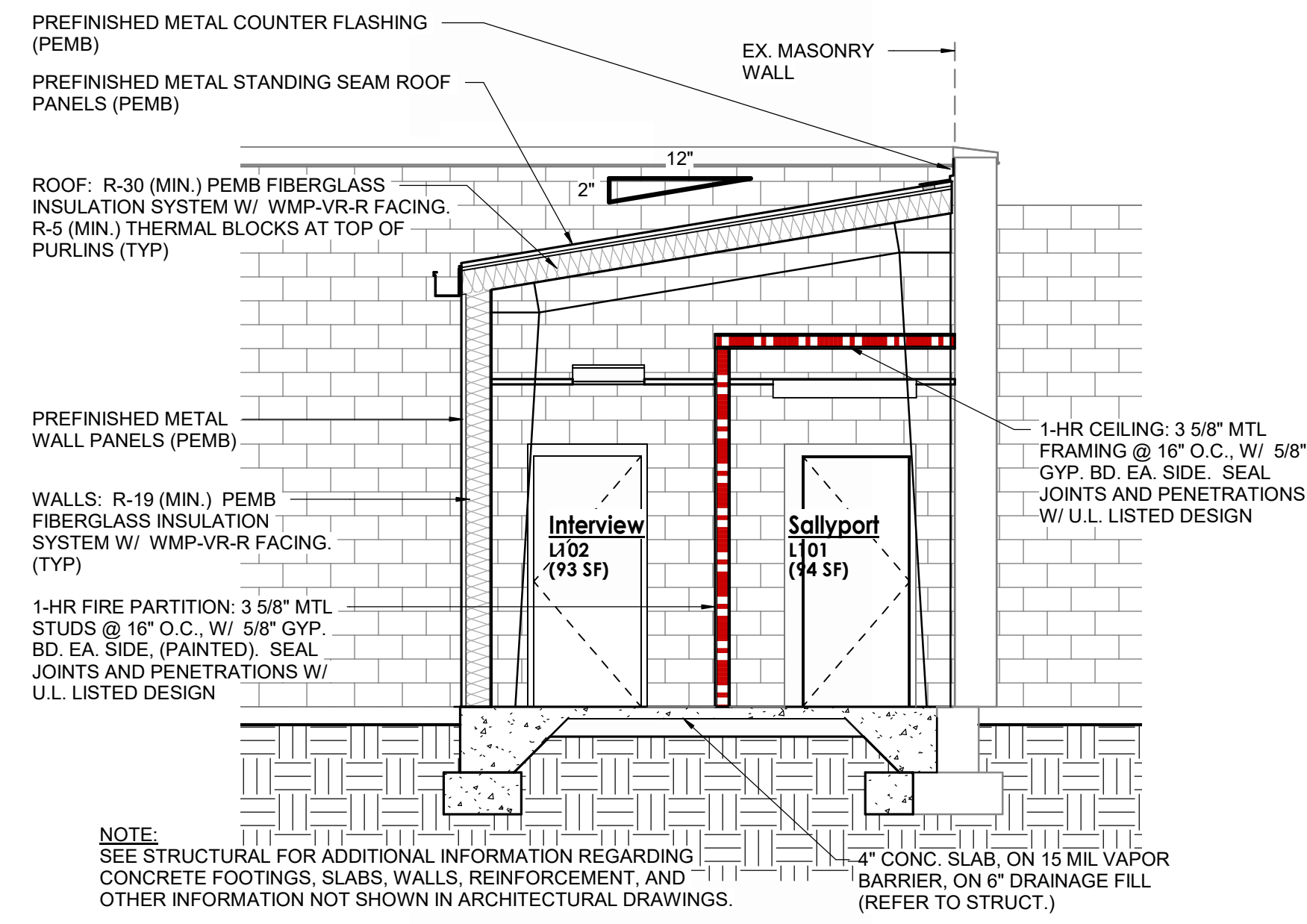
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117 East LaFayette Street, Dyer County, Tennessee
731.988.9840 (phone) - 731.988.9959 (fax)

Finishes & Misc. Details
CLASSROOM ADDITION TO DYER COUNTY JAIL
for
Dyer County, Tennessee
Dyersburg, Tennessee

Dec. 8, 2023

J-6401B1

A2.1



REVISIONS	
DESCRIPTION	
BY	
DATE	
NO.	
CONSULTANT	



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117 East Locust Street, Nashville, Tennessee
731.988.9840 (phone) • 731.988.9959 (fax)

Classroom Addition to Dyer County Jail
for
Dyer County, Tennessee
Dyersburg, Tennessee

Dec. 8, 2023

J-6401B1

A4.1

NO.	DATE	BY	DESCRIPTION

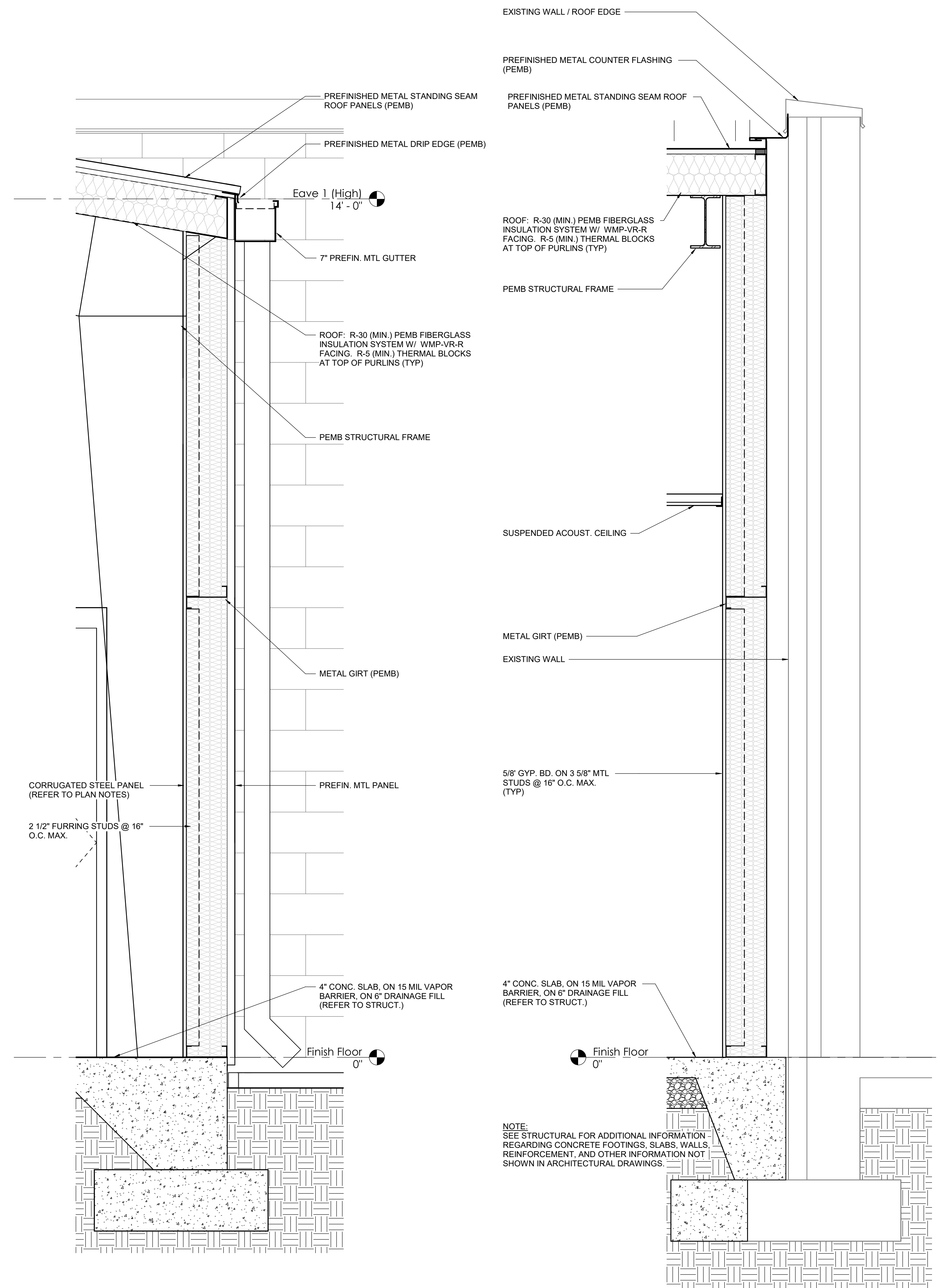


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731.988.9840 (phone) - 731.988.9959 (fax)

Wall Sections & Details

**CLASSROOM ADDITION
TO DYER COUNTY JAIL**
for
Dyer County, Tennessee
Dyersburg, Tennessee



2 Wall Sect 2
A5.1 SCALE: 1" = 1'-0"

1 Wall Sect 1
A5.1 SCALE: 1" = 1'-0"

NOTE:
SEE STRUCTURAL FOR ADDITIONAL INFORMATION
REGARDING CONCRETE FOOTINGS, SLABS, WALLS,
REINFORCEMENT, AND OTHER INFORMATION NOT
SHOWN IN ARCHITECTURAL DRAWINGS.

ABBREVIATIONS

Table of abbreviations and their corresponding full names, organized in two columns. Includes terms like AFF, ADDN, ADJ, A/C, etc.

GENERAL NOTES:

- 1.1. STRUCTURAL CONSTRUCTION DOCUMENTS CONSIST OF SPECIFICATIONS AND DRAWINGS. DRAWINGS INCLUDE GENERAL NOTES AND TYPICAL DETAILS IN ADDITION TO PLANS, SECTIONS, AND SPECIFIC DETAILS...
1.2. STRUCTURAL CONSTRUCTION DOCUMENTS MUST BE USED IN CONJUNCTION WITH THE OVERALL CONSTRUCTION DOCUMENT SET...

EXISTING CONDITIONS:

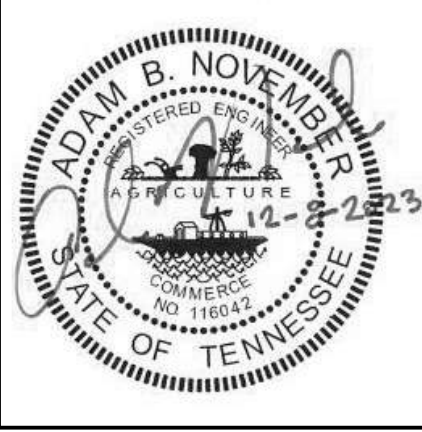
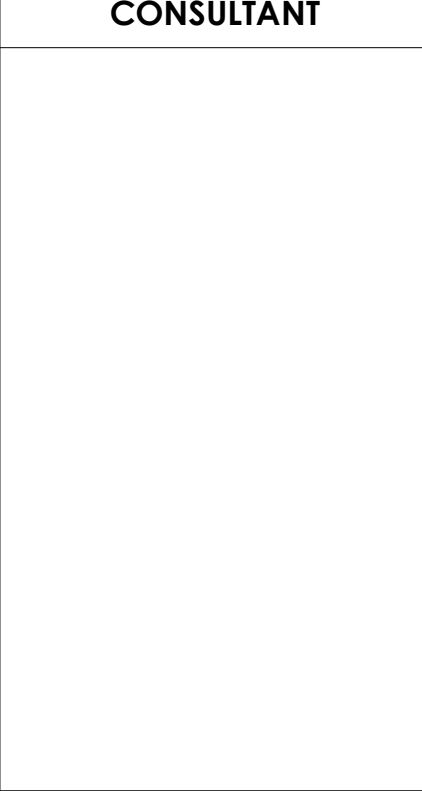
- 4.1. THIS SECTION DEALS WITH ATTACHMENTS TO, REHABILITATIONS OF, ASSUMPTIONS OF, AND CONTRACTOR'S RESPONSIBILITIES RELATED TO EXISTING CONSTRUCTION. REQUIRED FOR ALL PROJECTS WHERE EXISTING CONDITIONS APPLY.
4.2. REFERENCE DOCUMENTS: 4.2.1. EXISTING DRAWINGS: DYER COUNTY LAW ENFORCEMENT CENTER D'YERSBURG, TENNESSEE DATED OCTOBER 19, 2001...

PRE-ENGINEERED METAL BUILDING NOTES:

- 6.1. THE METAL BUILDING SHALL BE DESIGNED AND FABRICATED ACCORDING TO AISC, MBMA, AND AISI LATEST SPECIFICATIONS AND AS NOTED ON THIS SHEET AND IN THE SPECIFICATIONS. DESIGN PRIMARY AND SECONDARY MEMBERS AND COVERING FOR APPLICABLE LOADS AND COMBINATIONS OF LOADS IN ACCORDANCE WITH METAL BUILDING MANUFACTURERS' ASSOCIATION (MBMA) RECOMMENDED DESIGN PRACTICES MANUAL "AND 2012 INTERNATIONAL BUILDING CODE.
6.1.1 FOR WELDED CONNECTIONS, COMPLY WITH AWS "STRUCTURAL WELDING CODE."
6.1.2 FABRICATION CRITERIA: PROVIDE PREFABRICATED METAL BUILDINGS AS PRODUCED BY A MANUFACTURER WHO IS REGULARLY ENGAGED IN FABRICATION AND ERECTION OF PRE-ENGINEERED METAL STRUCTURES OF TYPE AND QUALITY INDICATED.



REVISIONS table with columns for No., Description, Date, and By.



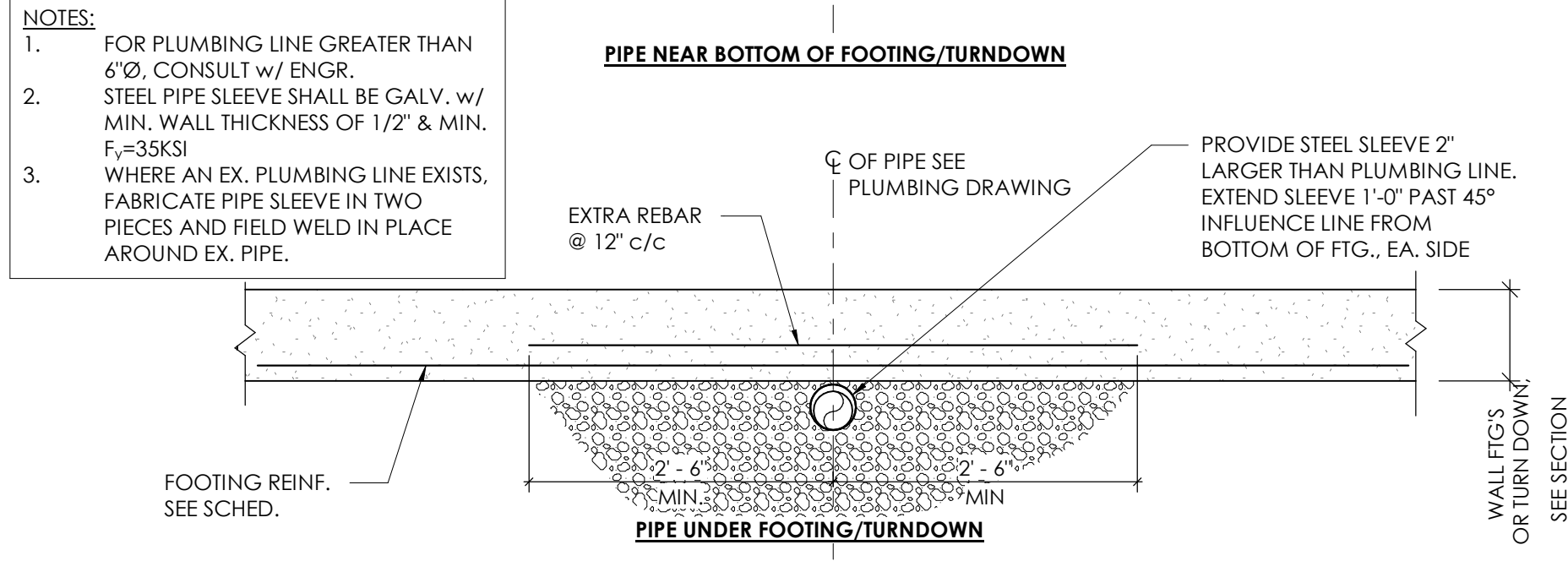
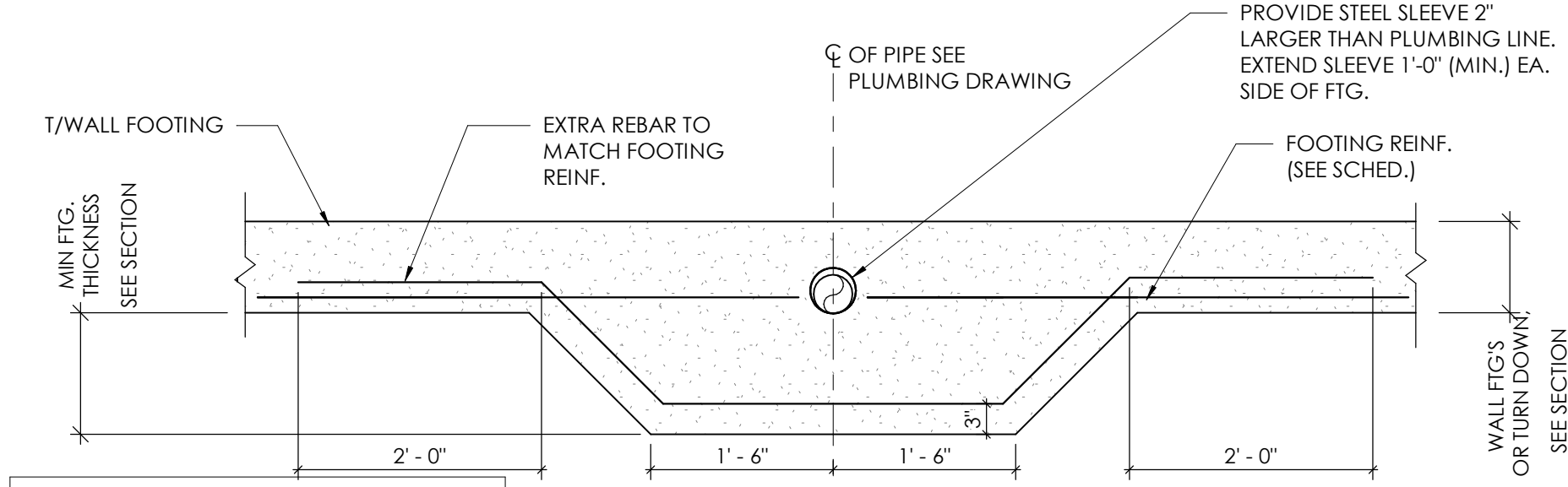
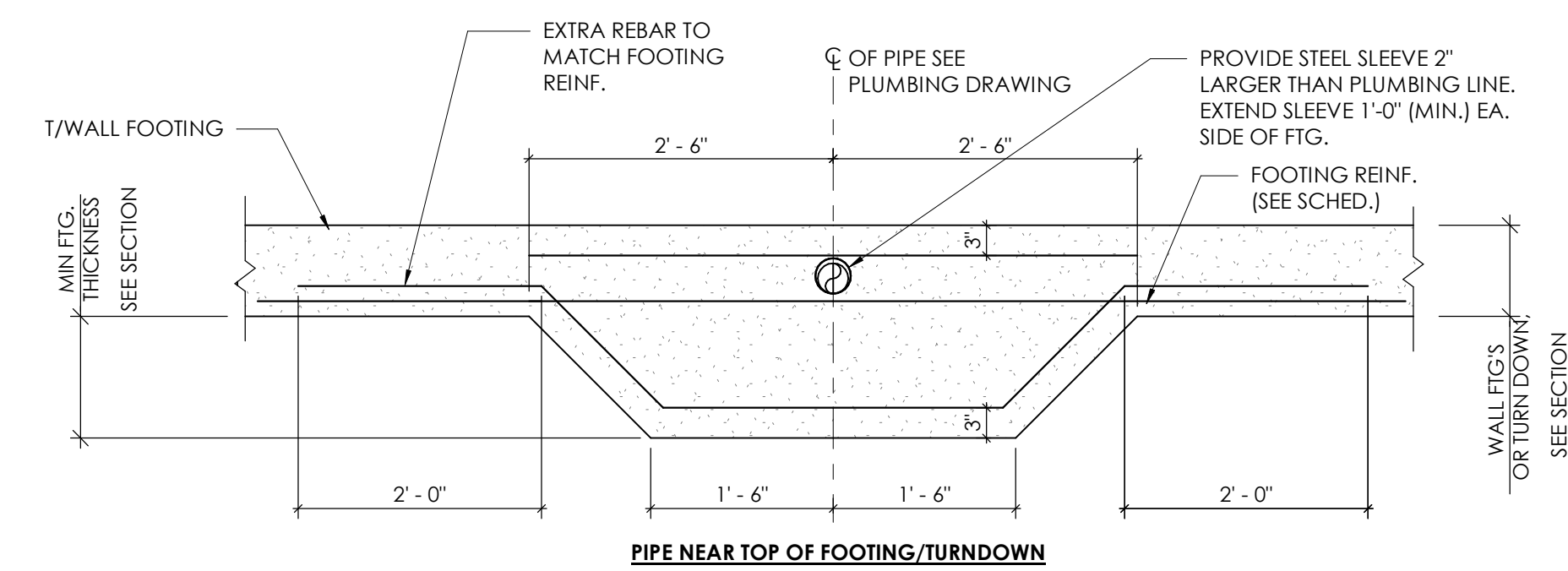
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Abbreviations & General Notes
CLASSROOM ADDITION TO DYER COUNTY JAIL for Dyer County, Tennessee
Dyersburg, Tennessee

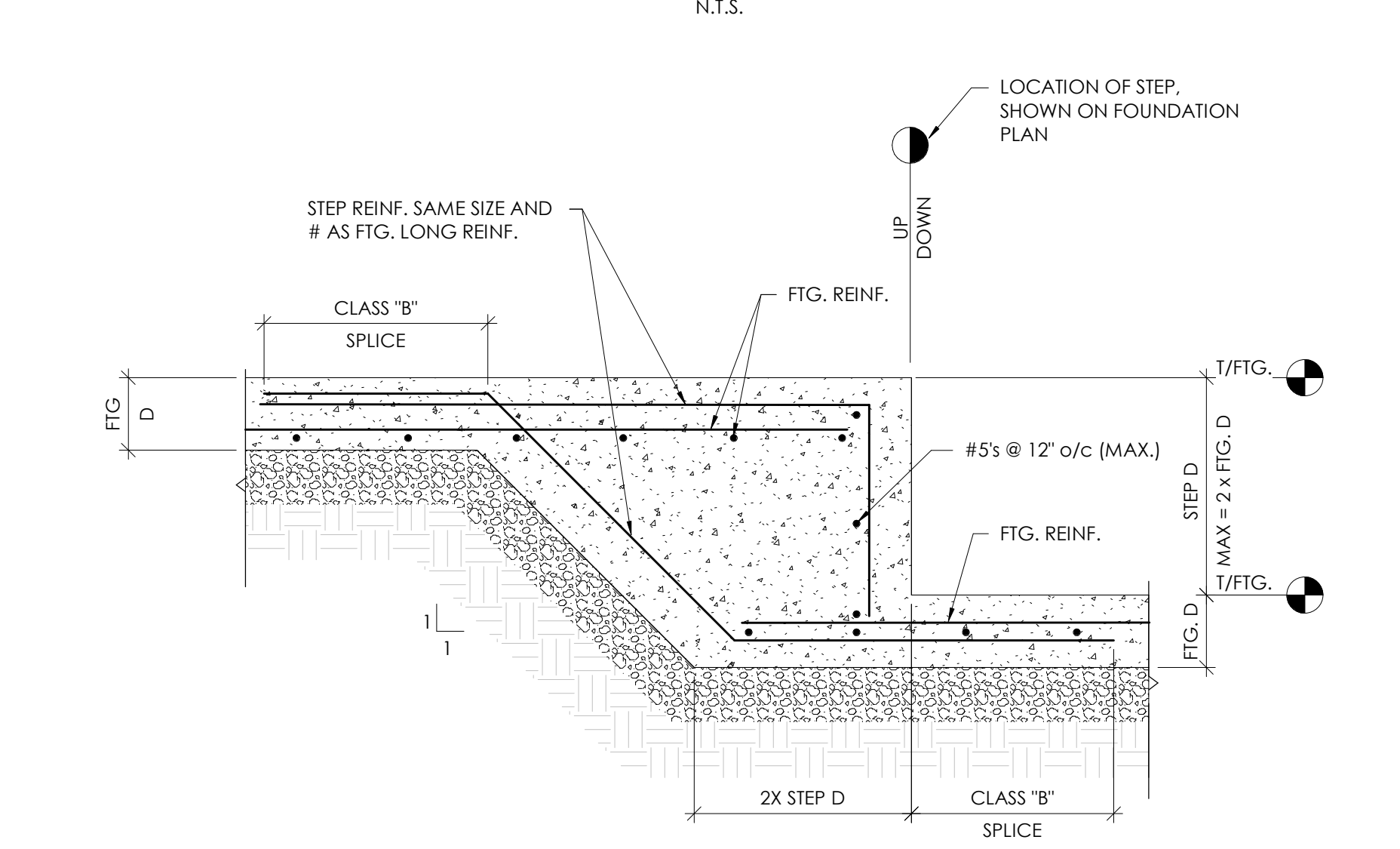
Dec. 8, 2023

J-6401B

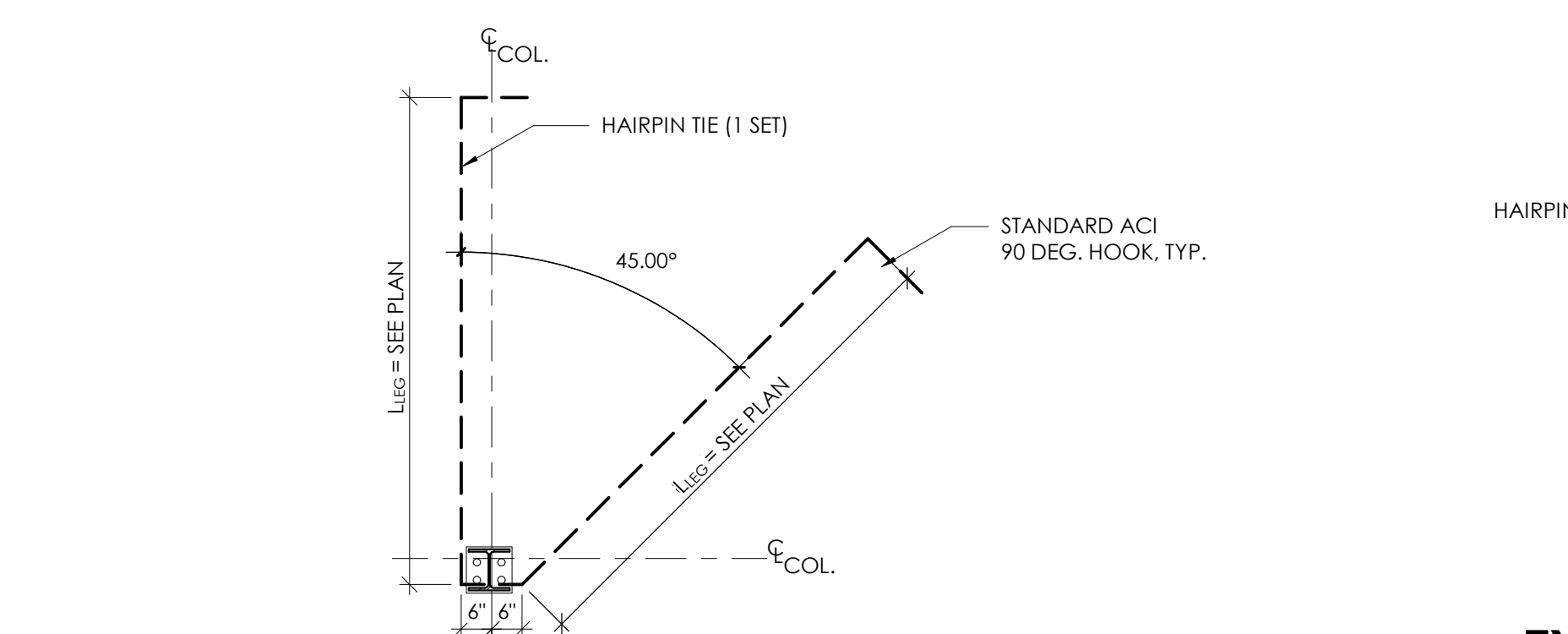
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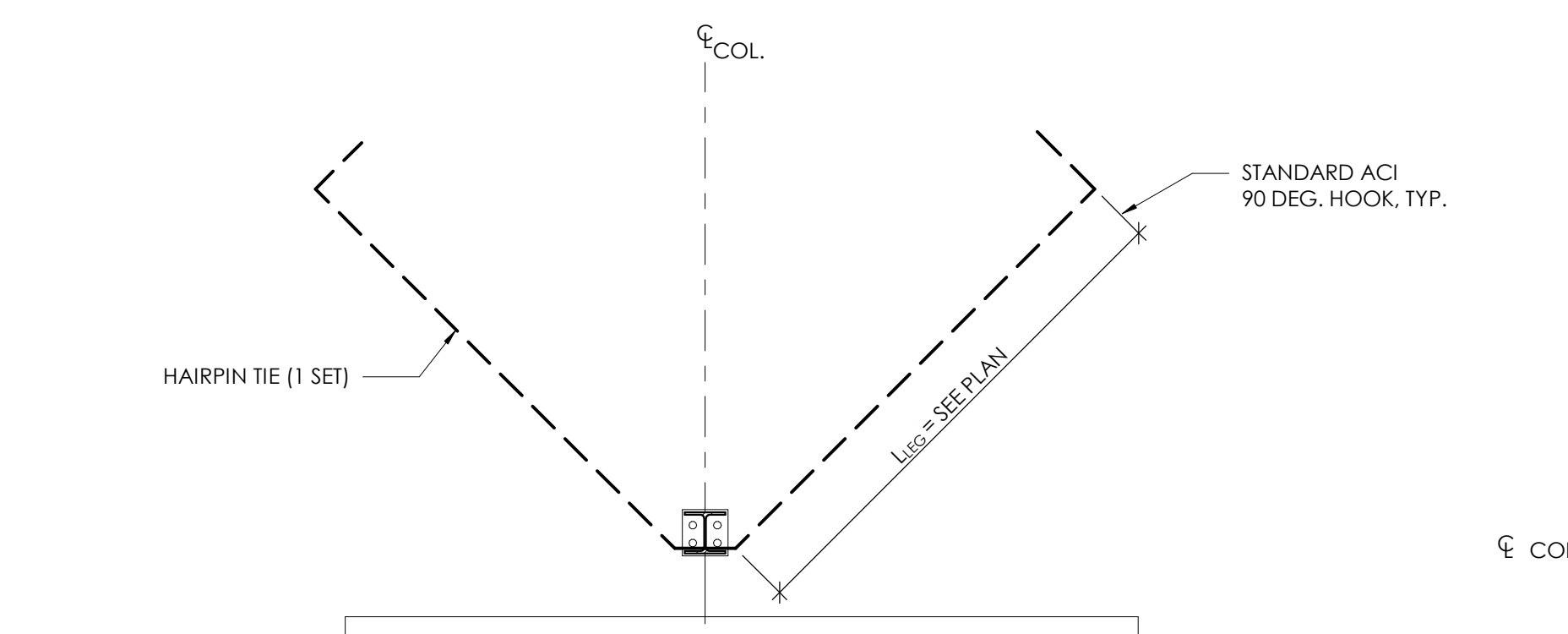
TYPICAL FOOTING PENETRATION BY PLUMBING LINE
N.T.S.



TYPICAL STEPPED FOOTING
N.T.S.

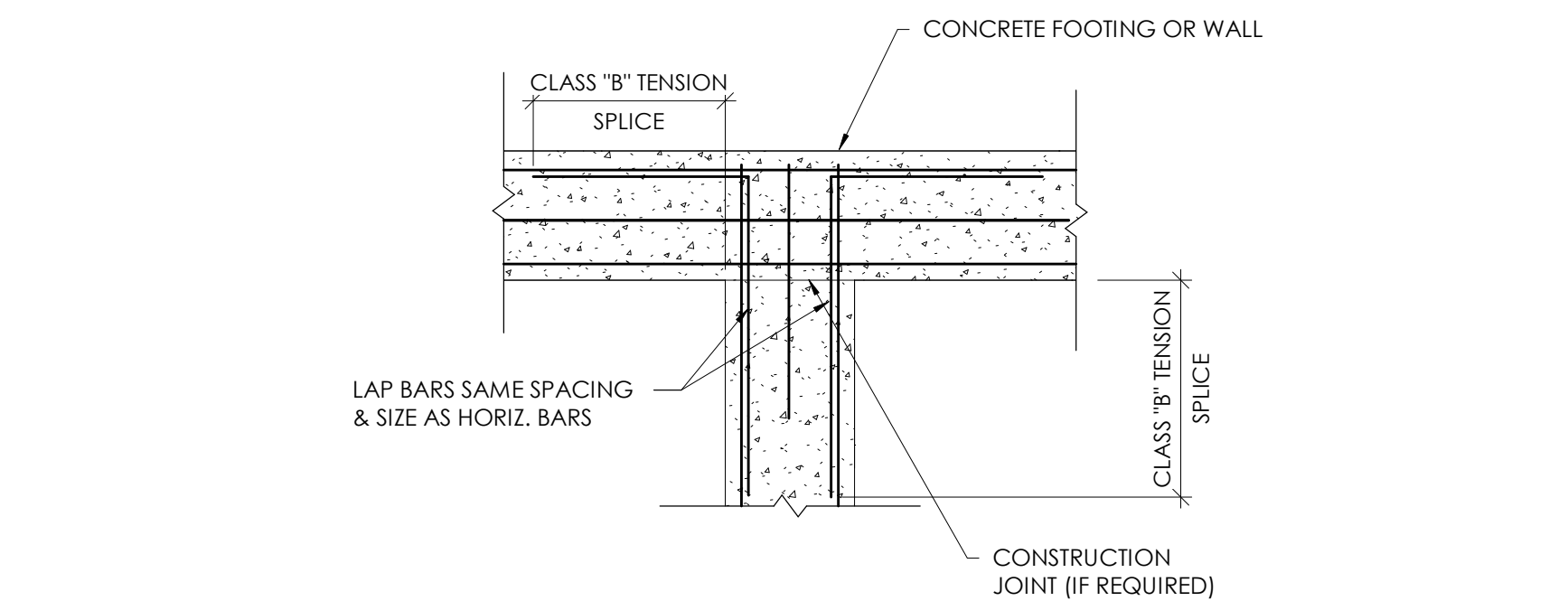


TYPICAL HAIRPIN TIE @ CORNER BUILDING COLUMN
N.T.S.

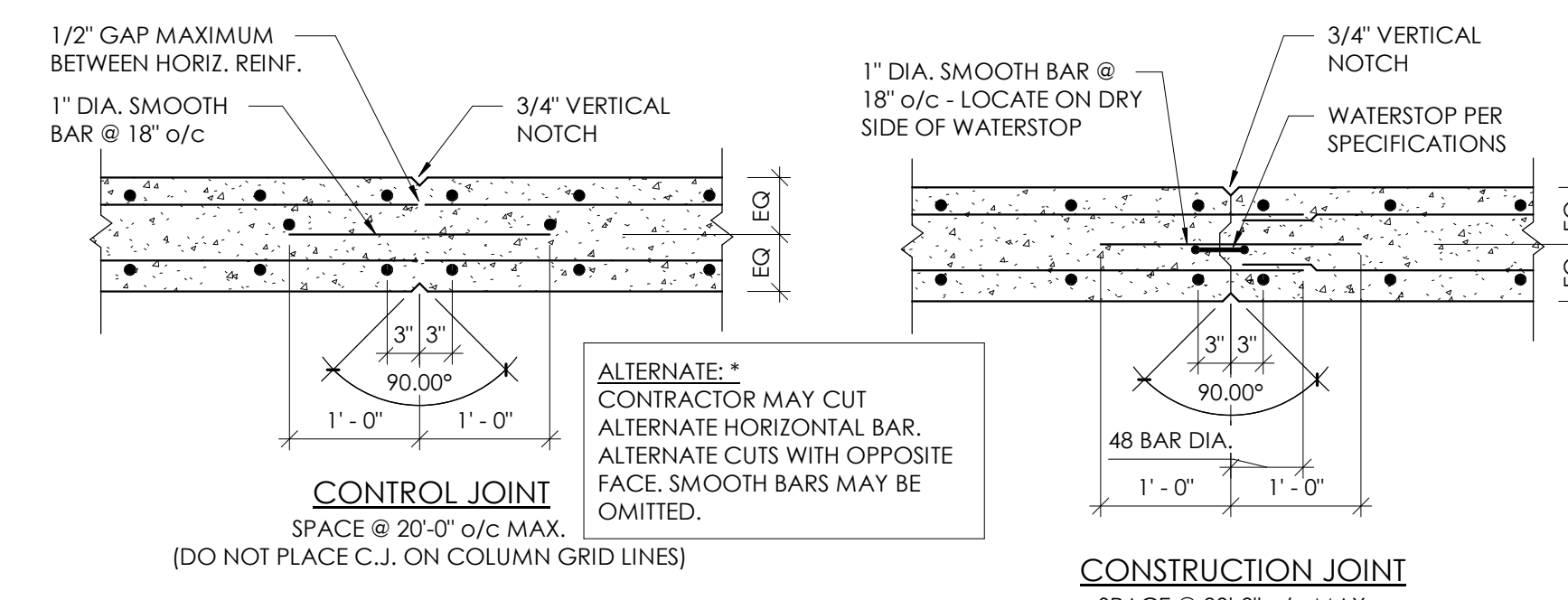


TYPICAL HAIRPIN TIE @ EXTERIOR BUILDING COLUMN
N.T.S.

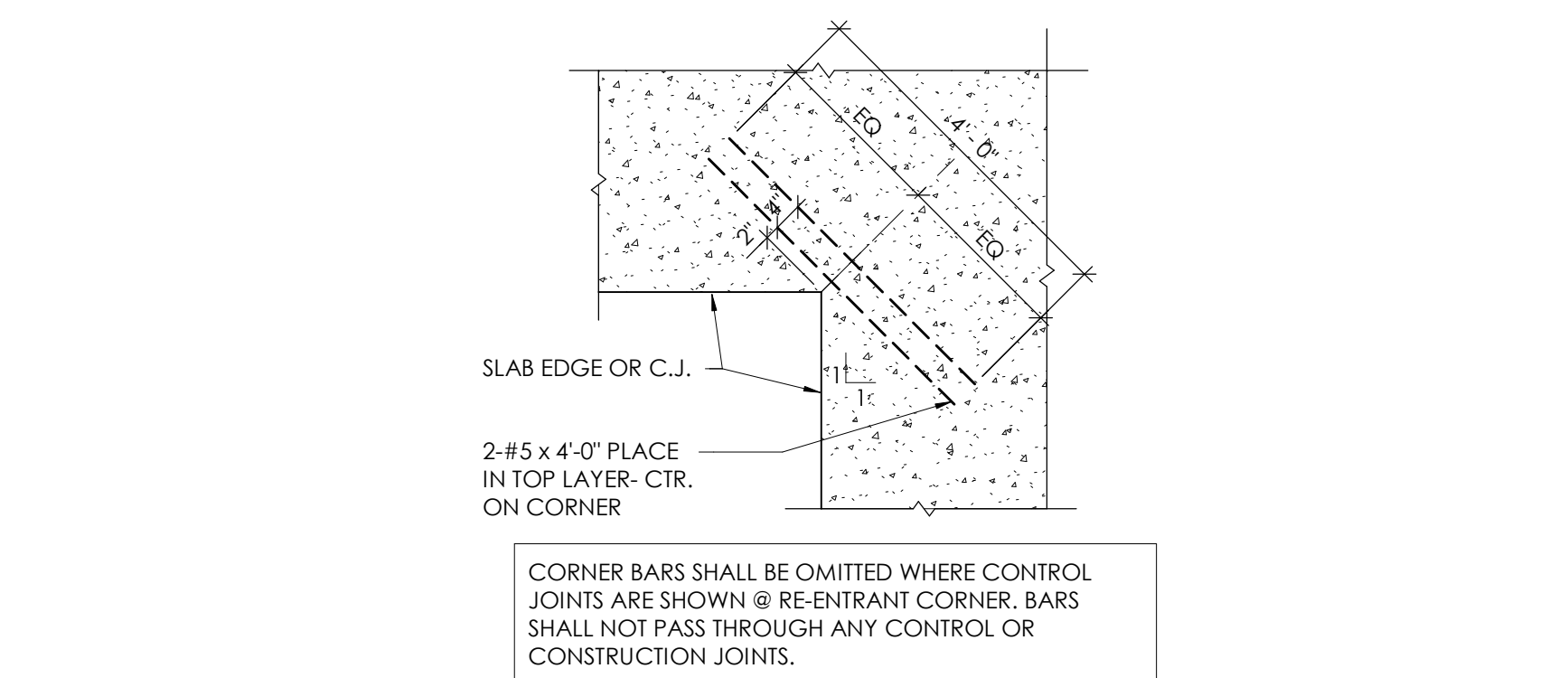
TYPICAL HAIRPIN NOTES:
1. HAIRPIN TIES SHALL BE IN DIRECT CONTACT WITH ANCHOR BOLT & SHALL BE PLACED IN THE TOP 1/3 OF CONCRETE SLAB ON GRADE. HAIRPINS TO BE TIED TO SLAB REINFORCING. TYP. U.N.O.



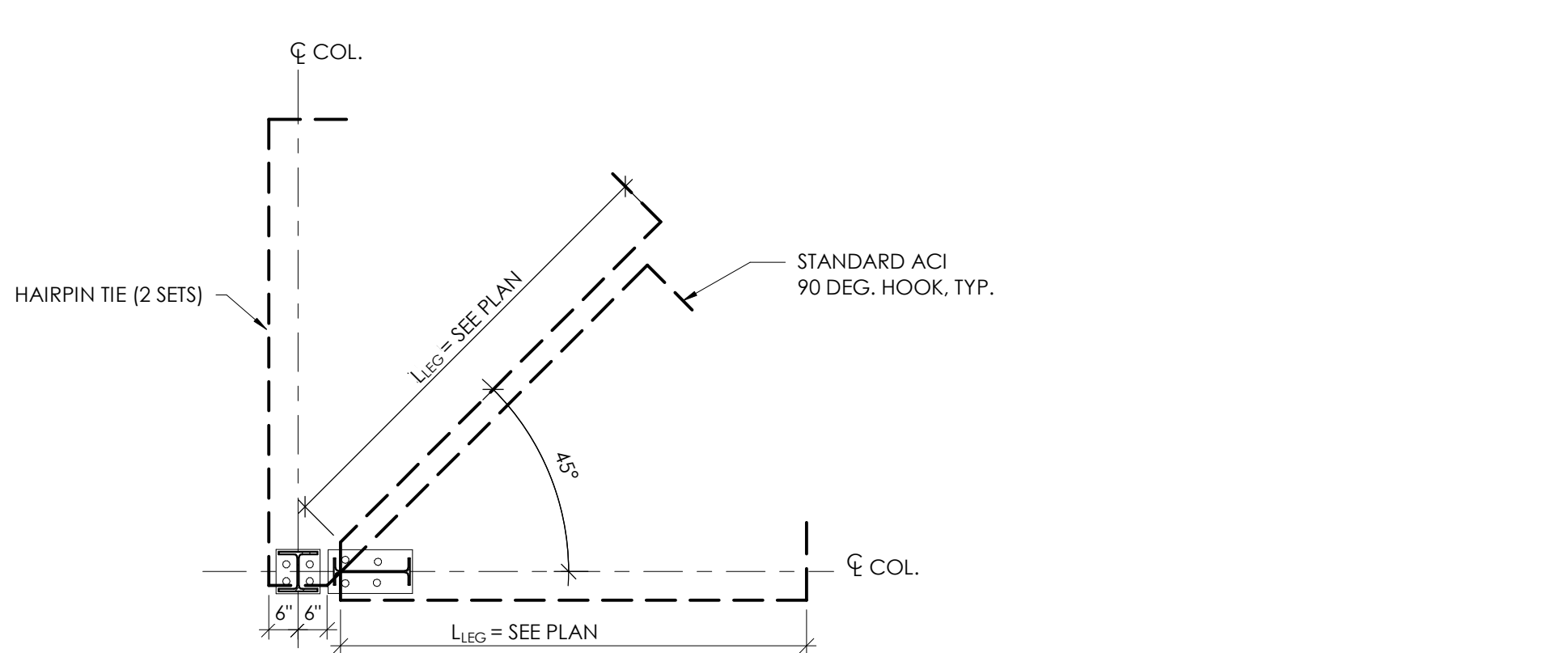
TYPICAL FOOTING OR WALL JUNCTION DETAIL
N.T.S.



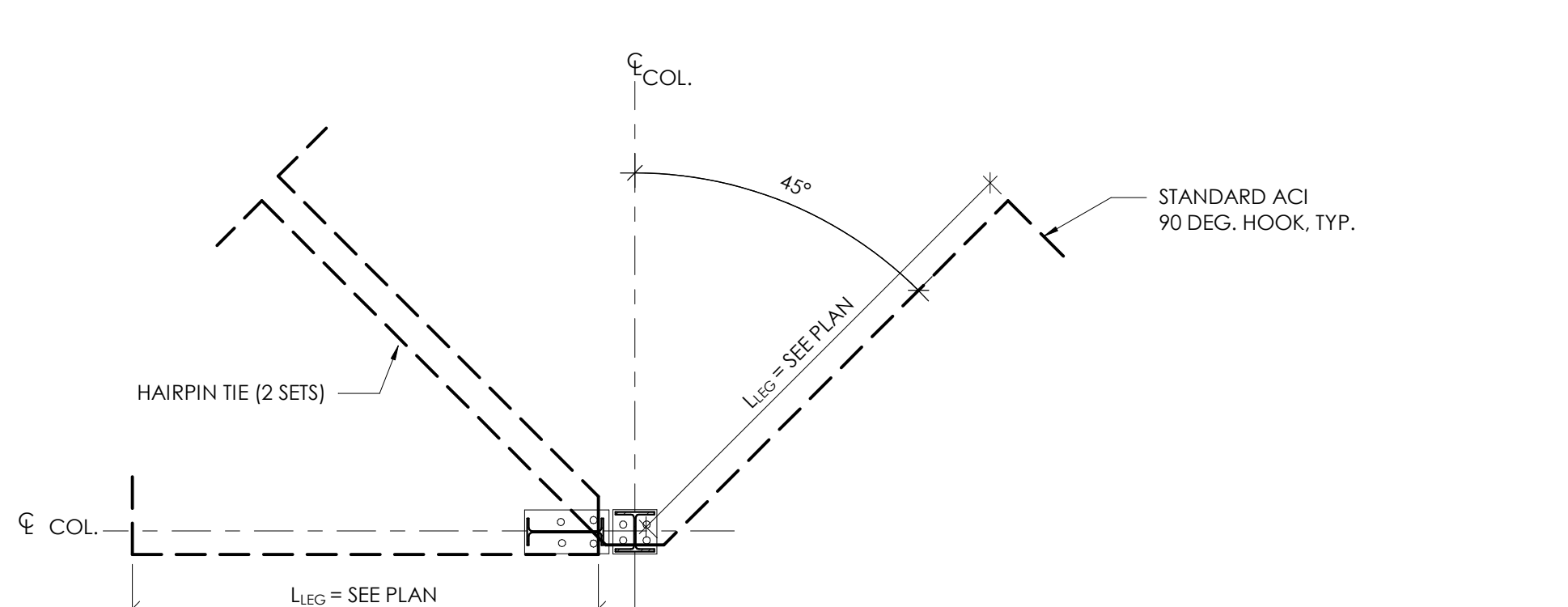
TYPICAL WALL JOINTS
N.T.S.



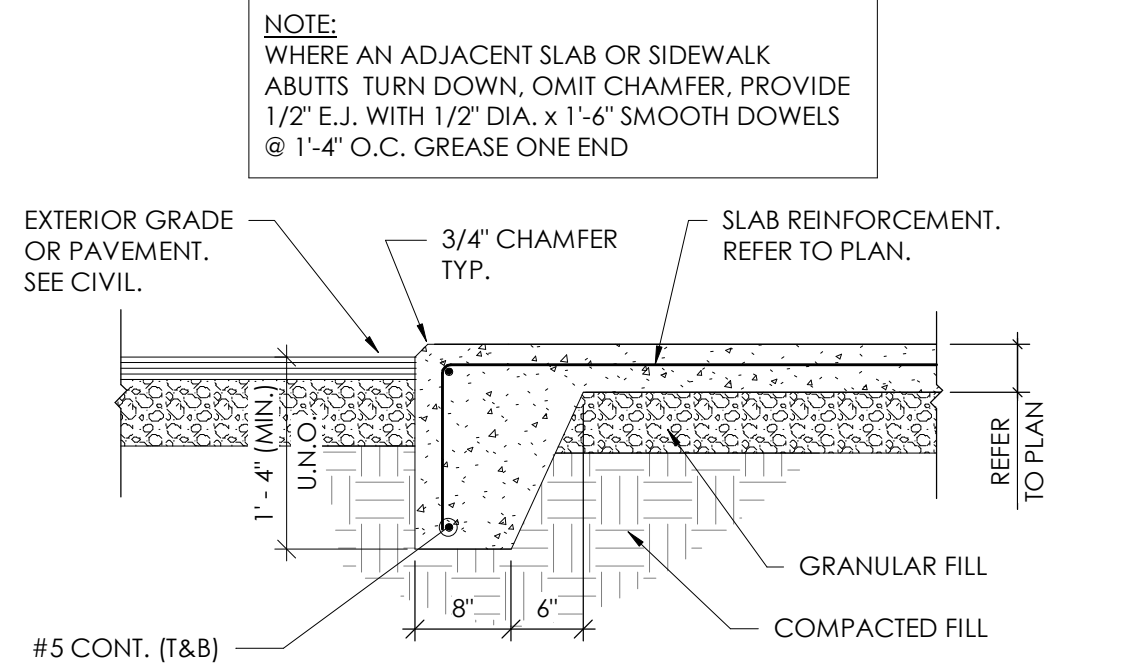
TYPICAL REINF. AT SLAB CORNERS
N.T.S.



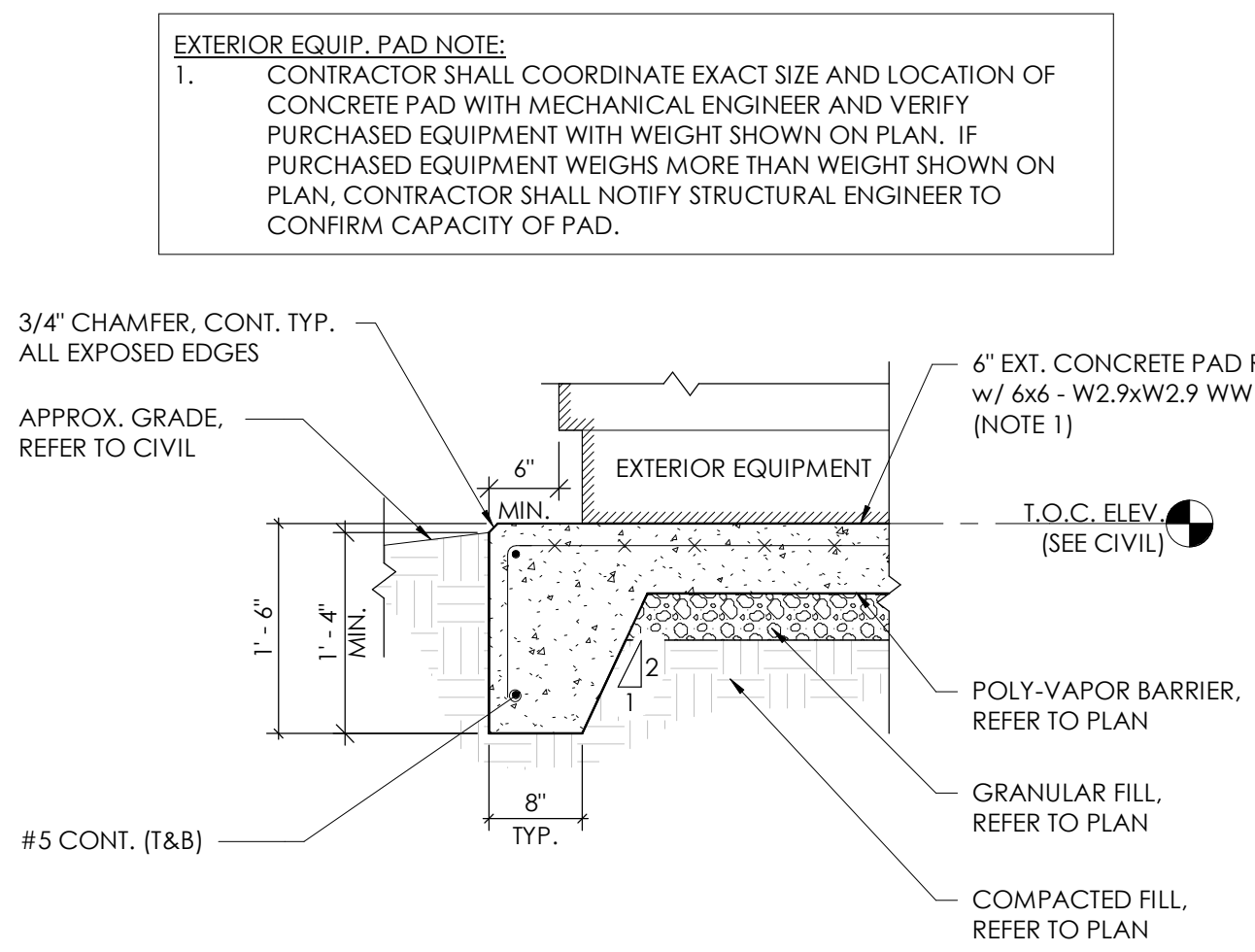
TYPICAL HAIRPIN TIE @ CORNER BUILDING COLUMN WITH PORTAL FRAME (SIM @ X-BRACING)
N.T.S.



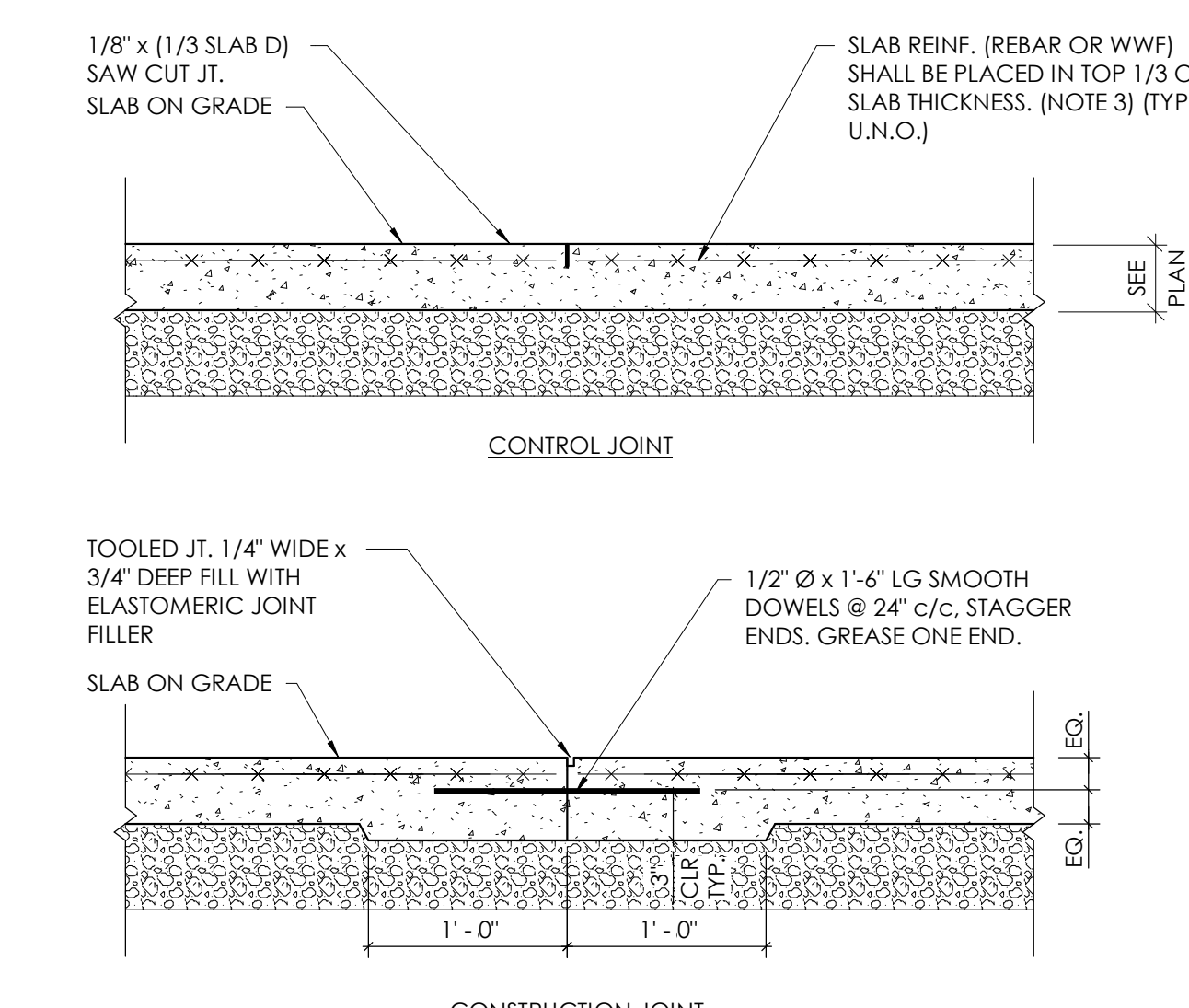
TYPICAL HAIRPIN TIE @ EXTERIOR BUILDING COLUMN WITH PORTAL FRAME (SIM @ X-BRACING)
N.T.S.



TYPICAL EXTERIOR SLAB DETAIL
N.T.S.

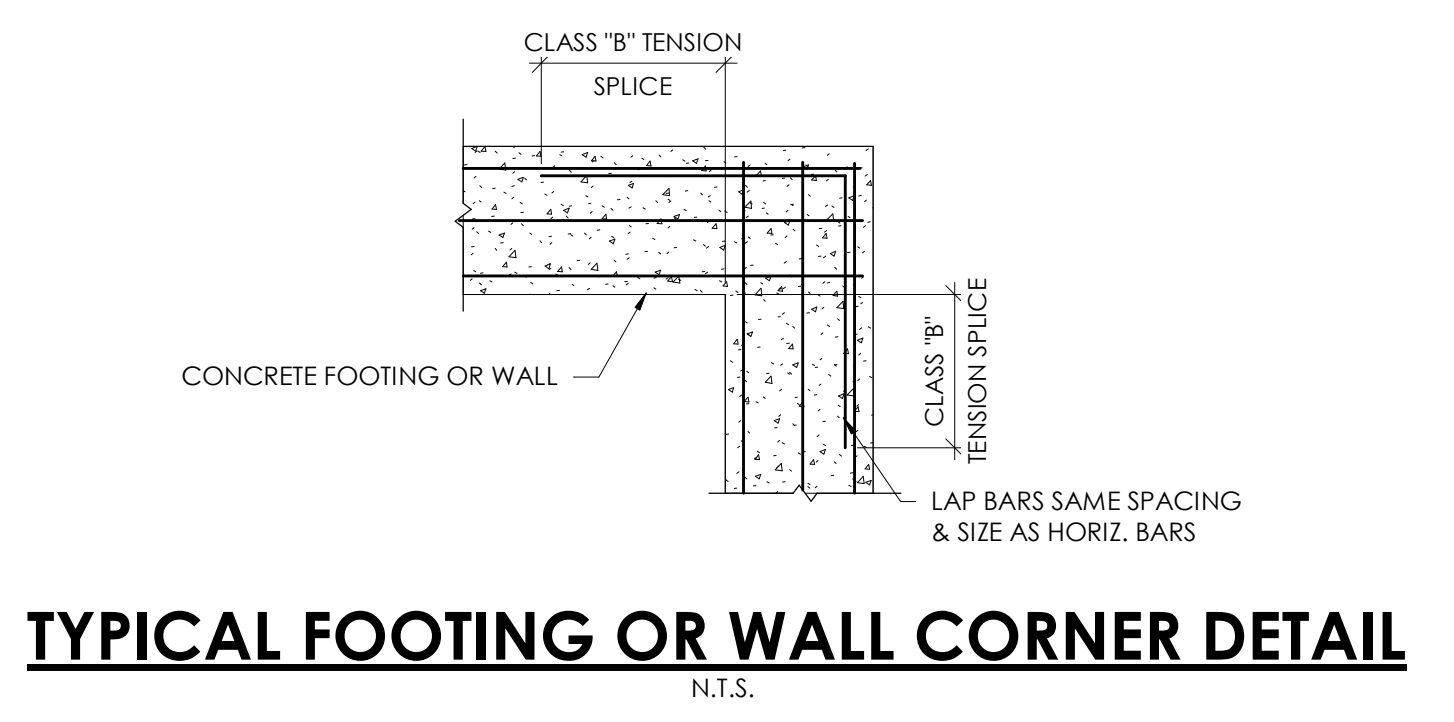


TYPICAL EXTERIOR EQUIPMENT PAD DETAIL
N.T.S.

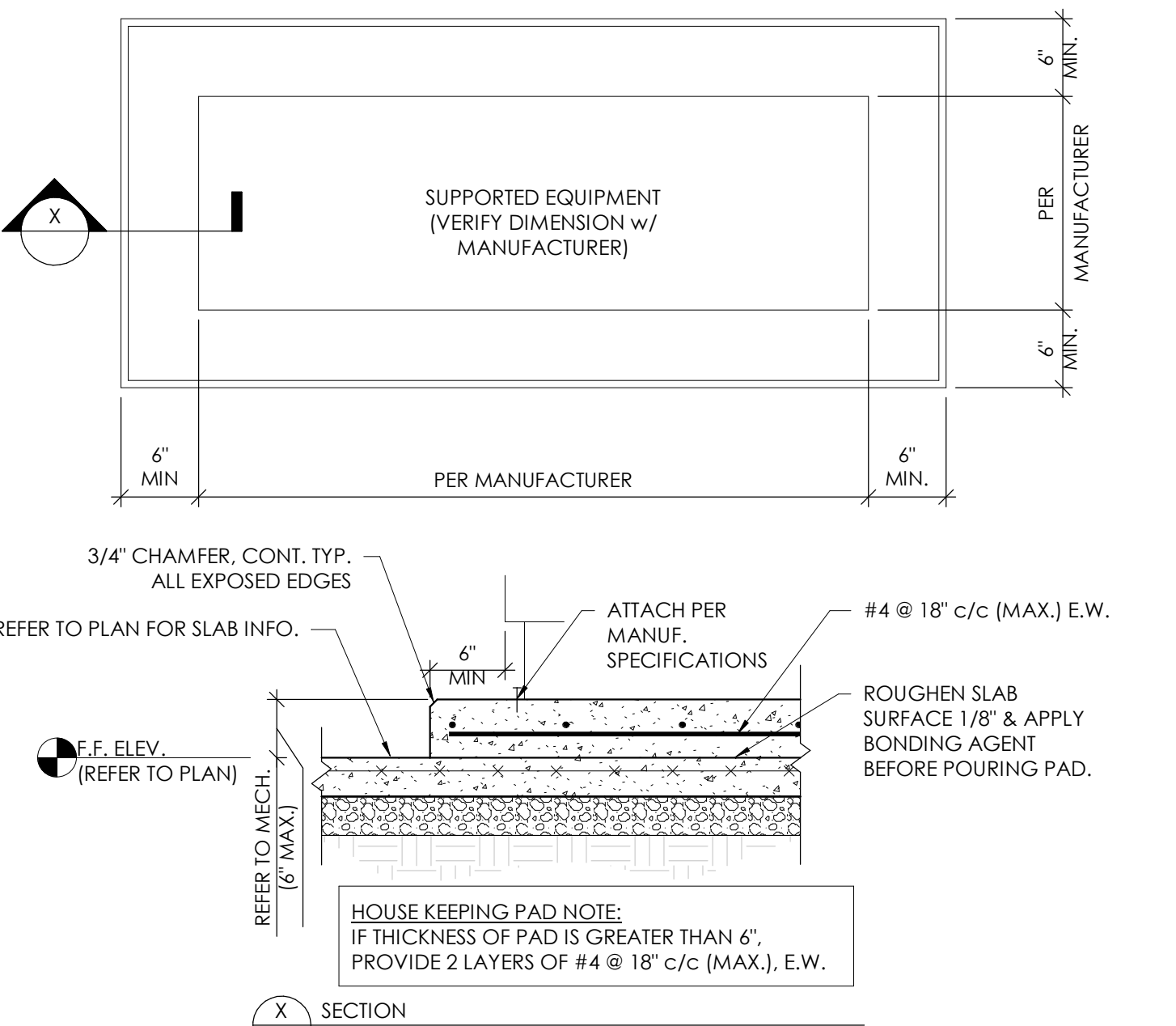


TYPICAL INTERIOR SLAB ON GRADE JOINTS
N.T.S.

INTERIOR SLAB ON GRADE NOTES:
1. DISCONTINUE REINF. AT CONTROL AND CONSTRUCTION JOINTS.
2. SEE SPECIFICATIONS FOR JOINT SEALANT.
3. CONTRACTOR SHALL USE STANDEES OR CHAIRS AS REQUIRED TO PREVENT SLAB REINFORCEMENT FROM FALLING OUTSIDE OF THE TOP 1/3 OF SLAB THICKNESS. THE 'HOOK & PULL' METHOD FOR ATTEMPTING TO ACHIEVE CORRECT REINFORCEMENT PLACEMENT DURING THE PLACEMENT OF CONCRETE WILL NOT BE ALLOWED.
4. ACI PRESCRIBED EARLY-ENTRY CUTTING METHOD. JOINTS SHALL BE SAW CUT NO LATER THAN (4) HOURS AFTER CONCRETE HAS BEEN POURED. CUTTING OPERATION SHALL BEGIN WHEN SLAB CAN SUPPORT FOOT TRAFFIC WITHOUT DISTORTION AND AGGREGATE WILL NOT BE DISLODGED OR JOINTS RAVELLED BY THE SAW BLADE, BUT NO LONGER THAN FOUR HOURS AFTER CONCRETE PLACEMENT.



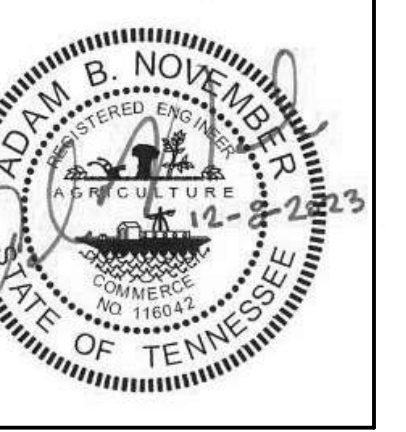
TYPICAL FOOTING OR WALL CORNER DETAIL
N.T.S.



TYPICAL HOUSEKEEPING PAD
N.T.S.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

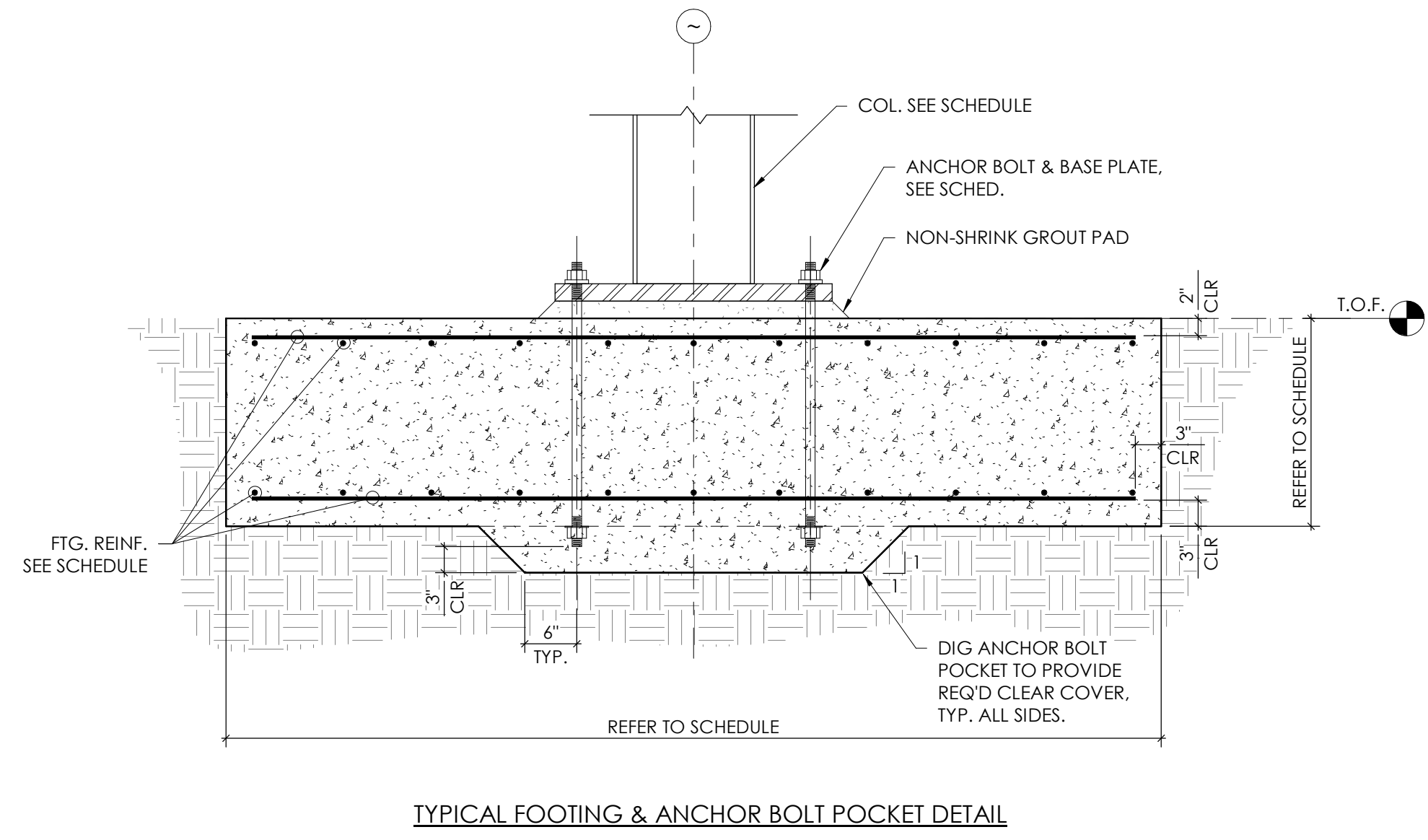
CONSULTANT



- FOUNDATION SCHEDULE NOTES:**
- UNLESS SPACING IS SHOWN, BARS SHOWN SHALL BE EQUALLY SPACED ALONG FOOTING DIMENSIONS.
 - BOTTOM BARS SHALL BE PLACED TO PROVIDE 3" CLEAR COVER FROM BOTTOM OF FOOTING. TOP BARS SHALL BE PLACED TO PROVIDE 2" OF CLEAR COVER FROM TOP OF FOOTING.
 - PROVIDE ANCHOR BOLT POCKET AT BOTTOM OF FOOTING, PER TYPICAL DETAIL BELOW.

FOUNDATION SCHEDULE

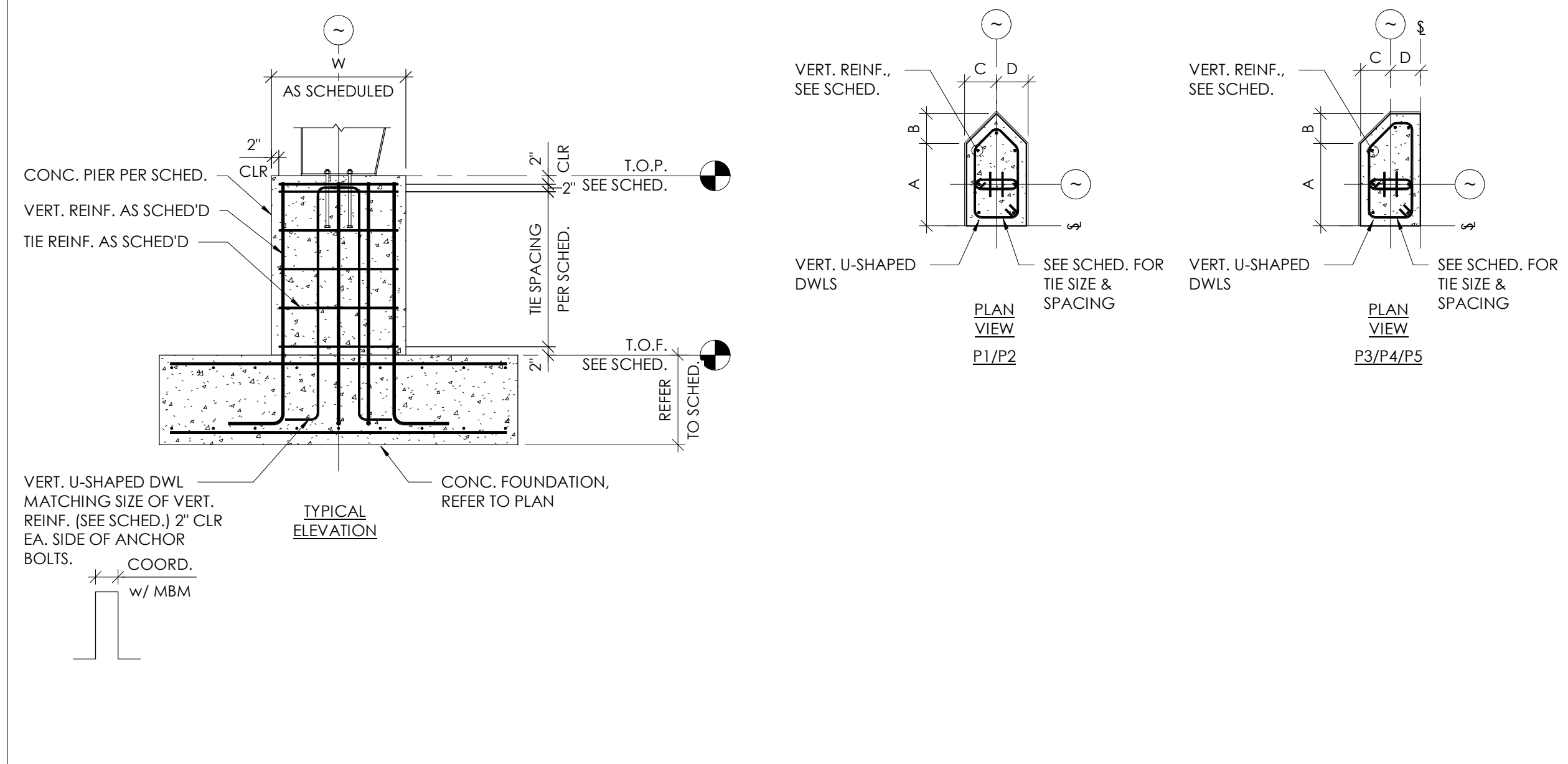
FIG. MARK	LENGTH	WIDTH	THICKNESS	TOP REINFORCING	BOTTOM REINFORCING	REMARKS
F48	4'-0"	4'-0"	1'-6"	(5) #6 E.W.	(5) #6 E.W.	
F72	6'-0"	6'-0"	1'-6"	(7) #6 E.W.	(7) #6 E.W.	
MF-1	SEE PLAN	SEE PLAN	1'-6"	SEE SECTION	SEE SECTION	
W30	CONT.	2'-6"	1'-3"	(1) #5 CONT.	(3)#5 CONT. w/ #5 @ 12" c/c TRANS.	



- PIER SCHEDULE NOTES:**
- ALL VERTICAL REINFORCEMENT SHALL TERMINATE AT 2' FROM TOP OF PIER AND AT THE BOTTOM LAYER OF FOOTING REINFORCEMENT WITH A STANDARD ACI 90° HOOK.
 - A DOUBLE-TOP TIE CONSISTING OF (2) #4 BARS SHALL BE PROVIDED WITHIN 2' CLEAR FROM TOP OF PIER.
 - TIES (OR SETS OF TIES) SHALL BE EQUALLY SPACED (NOT TO EXCEED SPACING SHOWN IN SCHEDULE) FROM DOUBLE-TOP TIE TO 2' ABOVE TOP OF FOOTING.
 - ALL HORIZONTAL REINFORCEMENT FROM ADJACENT STRUCTURAL COMPONENTS (WALLS, FOOTINGS, SLAB TURN-DOWNS, ETC.) SHALL RUN CONTINUOUS THROUGHOUT THE PIER(S). FULL TENSION LAP SHALL BE PROVIDED ON EACH SIDE OF THE PIER. PIERS LOCATED AT CORNERS SHALL BE PROVIDED WITH CORNER BARS LAPPING AS DESCRIBED ABOVE.

PIER SCHEDULE

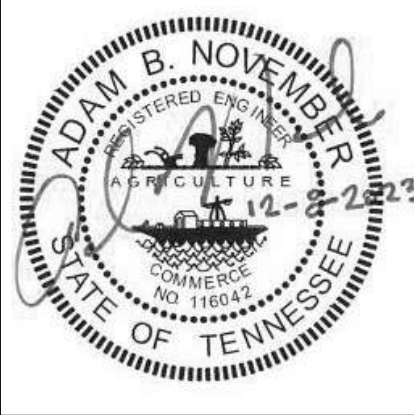
PIER MARK	PIER DIMENSIONS				TOP ELEV.	REINFORCEMENT				REMARKS
	A	B	C	D		VERTICAL SIZE	NUMBER	TIES SIZE	SPACING	
P1	1'-6"	0'-8"	0'-8"	0'-8"	SEE PLAN	#6	7	#4	12" c/c	
P2	2'-0"	0'-8"	0'-8"	0'-8"	SEE PLAN	#6	7	#4	12" c/c	
P3	1'-6"	0'-8"	0'-8"	0'-11"	SEE PLAN	#6	7	#4	12" c/c	
P4	1'-6"	0'-8"	0'-8"	0'-8"	SEE PLAN	#6	7	#4	12" c/c	
P5	1'-6"	0'-8"	0'-8"	1'-3 1/4"	SEE PLAN	#6	7	#4	12" c/c	



REVISIONS

NO.	DATE	BY	DESCRIPTION

CONSULTANT



TLM ASSOCIATES, INC.
ARCHITECTS + ENGINEERS
www.tlme.com
117 East LeFlore Street, Union, Tennessee
731.988.9840 (phone) - 731.988.9959 (fax)

Schedules & Associated Details
**CLASSROOM ADDITION
TO DYER COUNTY JAIL**
for
Dyer County, Tennessee
Dyersburg, Tennessee

Dec. 8, 2023

J-6401B

\$1.2

NO.	DATE	BY	DESCRIPTION

CONSULTANT

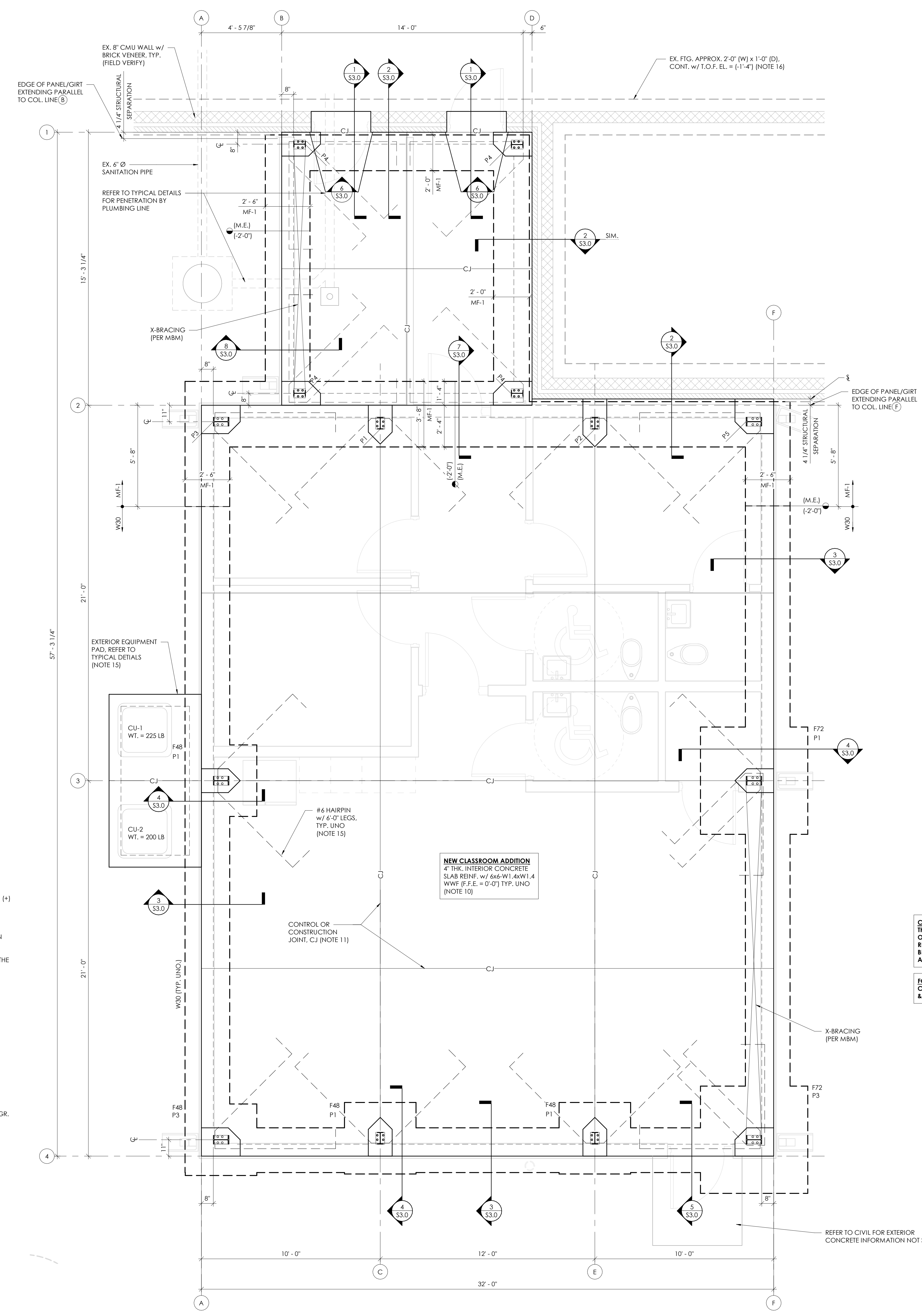


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Foundation Plan
CLASSROOM ADDITION
TO DYER COUNTY JAIL
for
Dyer County, Tennessee
Dyersburg, Tennessee

Dec. 8, 2023
J-6401B

\$2.0



- FOUNDATION NOTES:**
- REFER TO S1 SERIES SHEETS FOR GENERAL NOTES AND TYPICAL DETAILS.
 - FINISH FLOOR REFERENCE ELEVATION, F.F.E. = 0'-0"; REFER TO CIVIL FOR ACTUAL DATUM ELEVATION. ELEVATIONS SHOWN WITH A PLUS SIGN (+) INDICATE ELEVATIONS ABOVE REFERENCE ELEVATION (0'-0"). ELEVATIONS SHOWN WITH A MINUS SIGN (-) INDICATE ELEVATIONS BELOW REFERENCE ELEVATIONS (0'-0").
 - TOP OF FOOTING ELEVATION, T.O.F. = (-2'-0"), TYP. U.N.O.
 - TOP OF PIER ELEVATION, T.O.P. = (0'-0"), TYP. U.N.O.
 - REFER TO GEOTECHNICAL REPORT PREPARED BY CONSTRUCTION MATERIAL LABORATORY, INC. FOR SITE PREPARATION, OVER-EXCAVATION AND BACKFILL PROCEDURES, AND ALL OTHER GEOTECHNICAL RECOMMENDATIONS NOT MENTIONED.
 - ALL WALL LOCATIONS SHALL BE VERIFIED W/ ARCHITECTURAL AND REFER TO ARCHITECTURAL FOR DIMENSIONS NOT SHOWN.
 - AT COMBINED FOOTING CONDITION, CONTINUOUS WALL FOOTING & COLUMN SPREAD FOOTINGS SHALL BE POURED MONOLITHIC WITH THE MORE STRINGENT FOOTING REQUIREMENTS (THICKNESS, REIN. SIZE & SPACING, ETC.) GOVERNING LAYOUT.
 - WHERE THE DISTANCE BETWEEN ADJACENT FOOTINGS IS MINIMAL & WILL NOT ALLOW PROPER CAST-IN-PLACE CONSTRUCTION, IT IS ACCEPTABLE TO REMOVE SOIL BETWEEN THE ADJACENT FOOTINGS & POUR THE FOOTINGS MONOLITHIC. THE ADDITIONAL FOOTING SIZE, THICKNESS, & REINFORCING SHALL MEET THE MORE STRINGENT REQUIREMENTS OF THE TWO FOOTINGS COMBINED.
 - CONTRACTOR SHALL PROVIDE FOOTING STEPS PER TYPICAL DETAIL SHEET TO ENSURE TOP OF FOOTING ELEVATIONS ARE BELOW PLUMBING LINES WHERE ALL PLUMBING CROSSES FOOTINGS. COORDINATE W/ PLUMBING CONTRACT DRAWINGS AND PLUMBING CONTRACTOR FOR ALL FLOWLINE ELEVATIONS WHERE PLUMBING CROSSES FOOTING PRIOR TO ANY EXCAVATION.
 - REFER TO PLAN FOR SLAB ON GRADE THICKNESS & REINFORCING REQUIREMENTS. PLACE SLAB ON GRADE OVER SUB-BASE MATERIALS AS SPECIFIED BELOW
 - INTERIOR CONCRETE 4" THICK NO. 57 STONE TOPPED W/ 10 MIL POLY VAPOR BARRIER
 - EXTERIOR CONCRETE 4" THICK NO. 57 STONE TOPPED W/ 6 MIL POLY VAPOR BARRIER
 - PROVIDE CONTROL JOINTS IN SLAB PER TYPICAL DETAILS WITH MAXIMUM SPACING OF 36 TIMES SLAB THICKNESS NOT TO EXCEED 15'-0". CREATE RECTANGULAR SECTIONS WITH LENGTH OF ANY RECTANGULAR SECTION NOT EXCEEDING THE WIDTH BY 25%.
 - PROVIDE 2 - #5 BARS (2'-0") IN SLAB DIAGONALLY @ EACH RE-ENTRY CORNER OF SLAB. REFER TO TYPICAL DETAILS.
 - CONTRACTOR SHALL COORD. W/ CIVIL DRAWINGS FOR EXTERIOR PAVEMENT & CONCRETE SIZE, LOCATIONS, SLOPES, ETC.
 - HAIR PINS SHALL BE #6 BARS W/ LEG LENGTH INDICATED PER PLAN. FIELD ADJUST HAIRPIN LOCATION OR BENDS AS REQUIRED TO AVOID CONFLICT WITH PIPE BOLLARDS OR OTHER BUILDING ELEMENTS. REFER TO TYPICAL DETAILS FOR ADDITIONAL INFORMATION.
 - CONTRACTOR SHALL COORD. W/ CIVIL FOR EXACT SIZE & LOCATION OF MECHANICAL PADS, IF EQUIP. PURCHASED EXCEEDS WEIGHT SHOWN. ENGINEER WILL BE REQUIRED TO VERIFY CONCRETE PAD CAPACITY.
 - CONTRACTOR TO FIELD VERIFY THE SIZE, DEPTH, & CONFIGURATION OF EXISTING FOUNDATIONS PRIOR TO BEGINNING WORK & NOTIFY ENGR. OF ANY DISCREPANCIES.

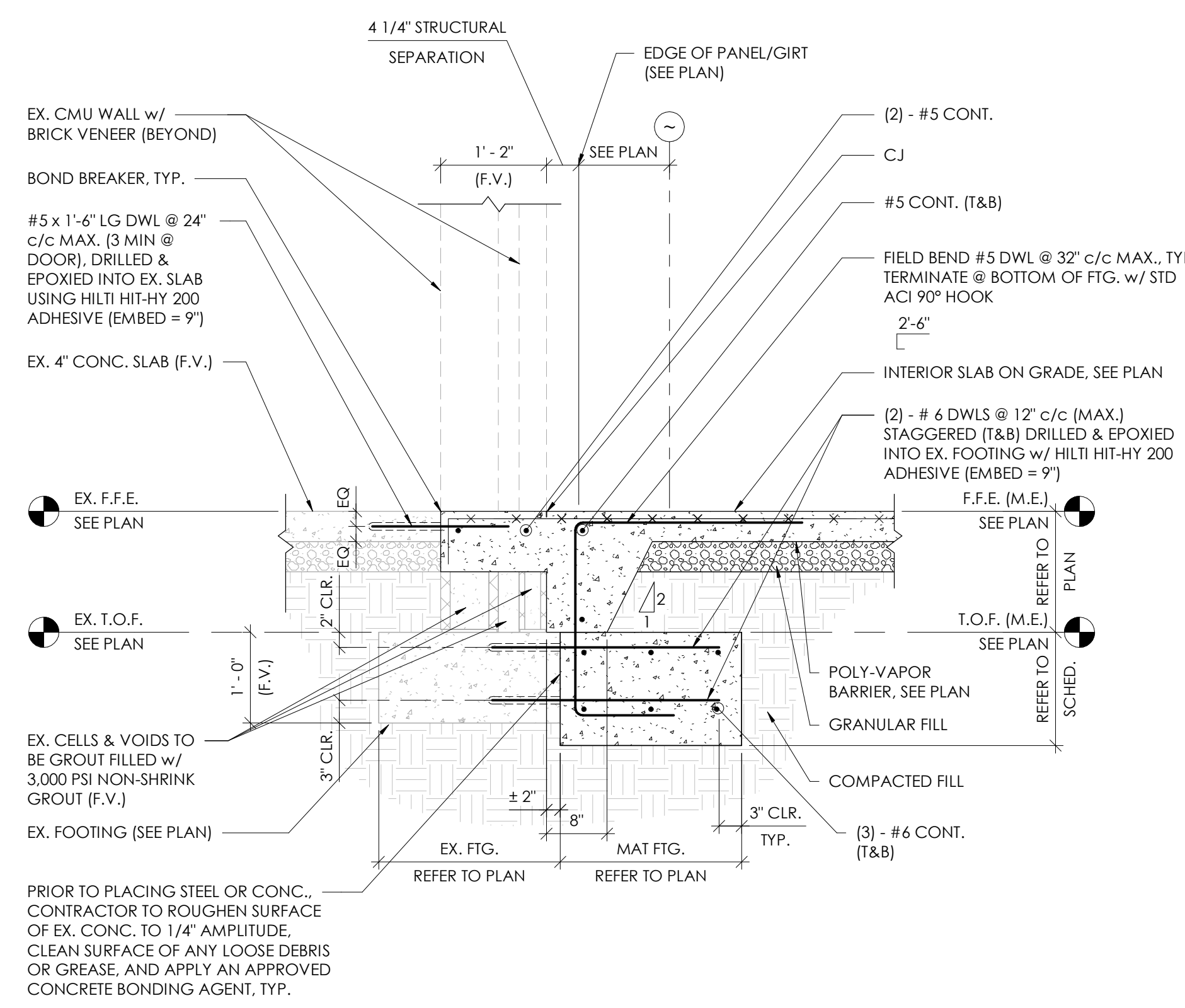
- LEGEND:**
- F.F.E. FINISH FLOOR ELEVATION
 - W# CONTINUOUS FOOTING MARK, REFER TO FOOTING SCHEDULE
 - F# SPOT FOOTING MARK, REFER TO FOOTING SCHEDULE
 - C# COLUMN MARK, REFER TO COLUMN SCHEDULE
 - P# PIER MARK, REFER TO PIER SCHEDULE
 - MF# INDICATES MAT FOUNDATION, REFER TO FOOTING SCHEDULE
 - T.O.F. = # TOP OF FOOTING ELEVATION
 - T.O.P. = # TOP OF PIER ELEVATION
 - S SLAB LINE
 - M.E. MATCH EXISTING
 - DENOTES FOOTING STEP IN INCREMENT SHOWN ON PLAN. REFER TO TYPICAL DETAILS
 - CJ CONSTRUCTION OR SAWN JOINTS, REFER TO FOUNDATION PLAN NOTES (THIS SHT.)
 - CJR CONSTRUCTION JOINT REQUIRED

Foundation Plan
3/8" = 1'-0"

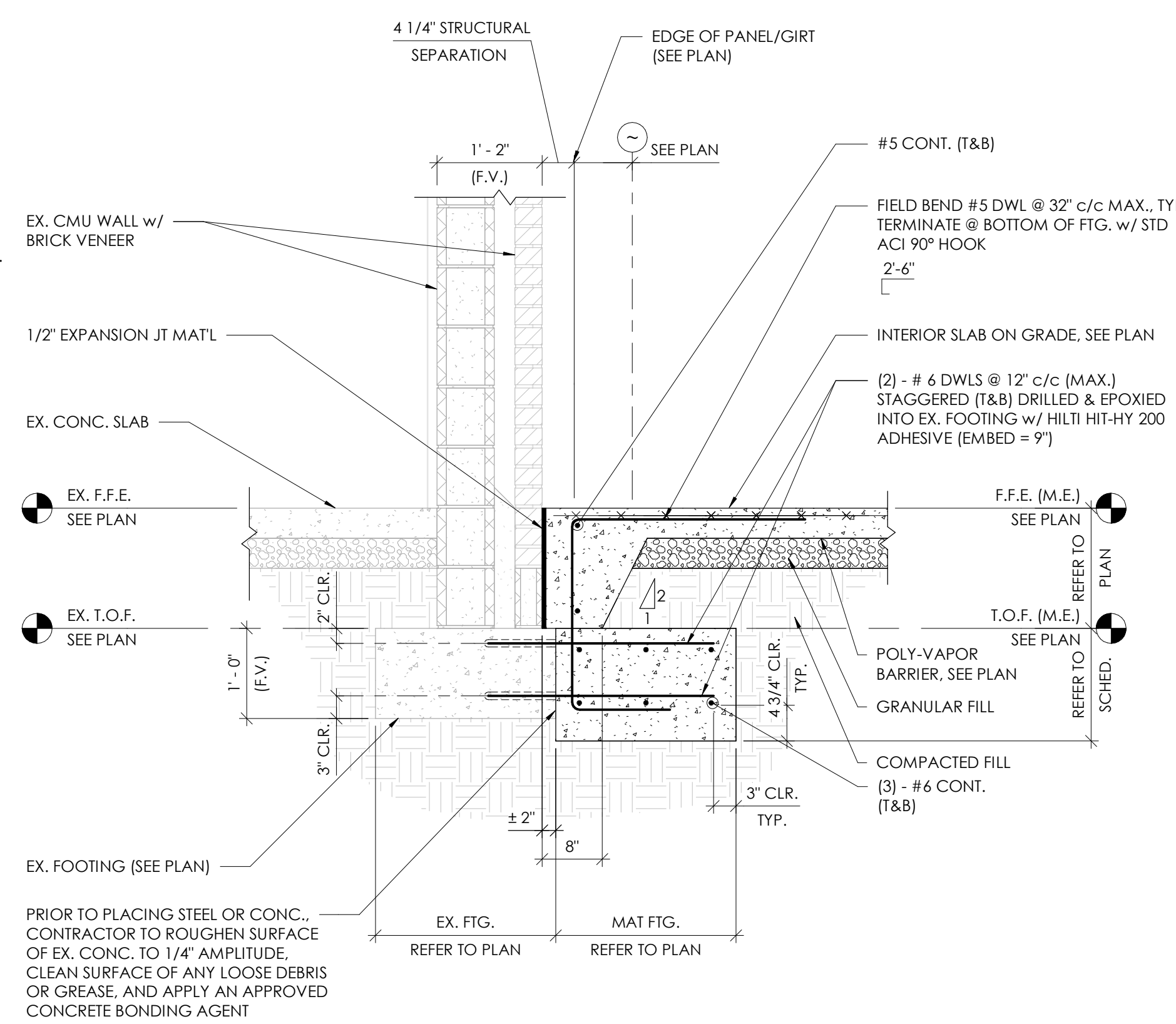
CONTRACTOR NOTE:
THE FOUNDATION DESIGN, INCLUDING FOOTINGS, PIERS, AND ANCHOR RODS ARE BASED ON PRELIMINARY PRE-ENGINEERED METAL BUILDING DRAWINGS & REACTIONS BY REED'S METALS, LLC DATED 6/19/2023. THE CONTRACTOR SHALL BRING ANY DISCREPANCIES BETWEEN THE PEMB DRAWINGS & INFORMATION PROVIDED HEREIN TO THE IMMEDIATE ATTENTION OF THE EOR PRIOR TO BEGINNING WORK.

FOOTING UNDERCUT:
CONTRACTOR TO INCLUDE AN ALLOWANCE & UNIT PRICE FOR 20 CY OF FOOTING UNDERCUT & REPLACEMENT. REFER TO GENERAL NOTES FOR UNDERCUT REQUIREMENTS AND INFORMATION.

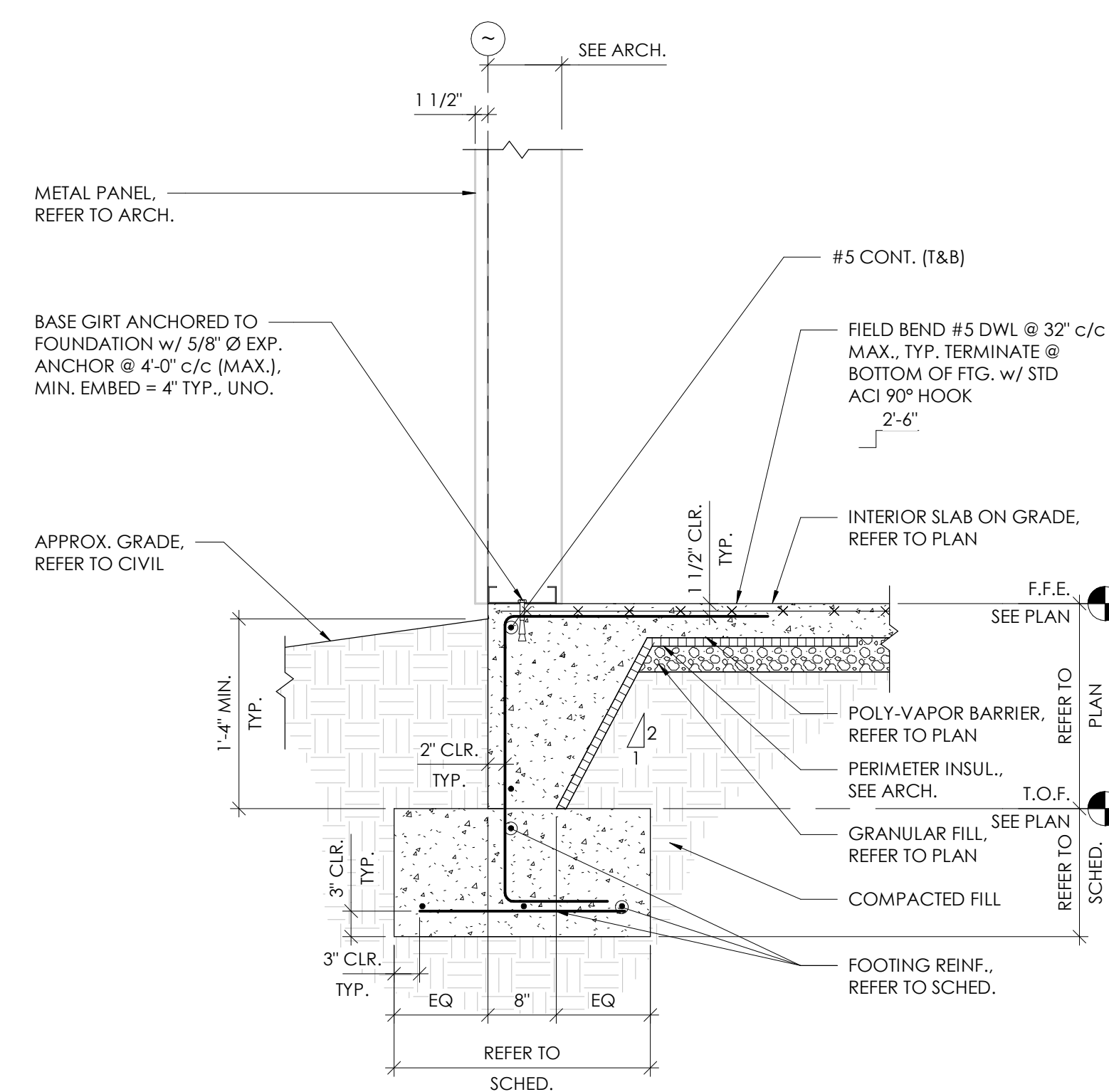
NO.	DATE	DESCRIPTION



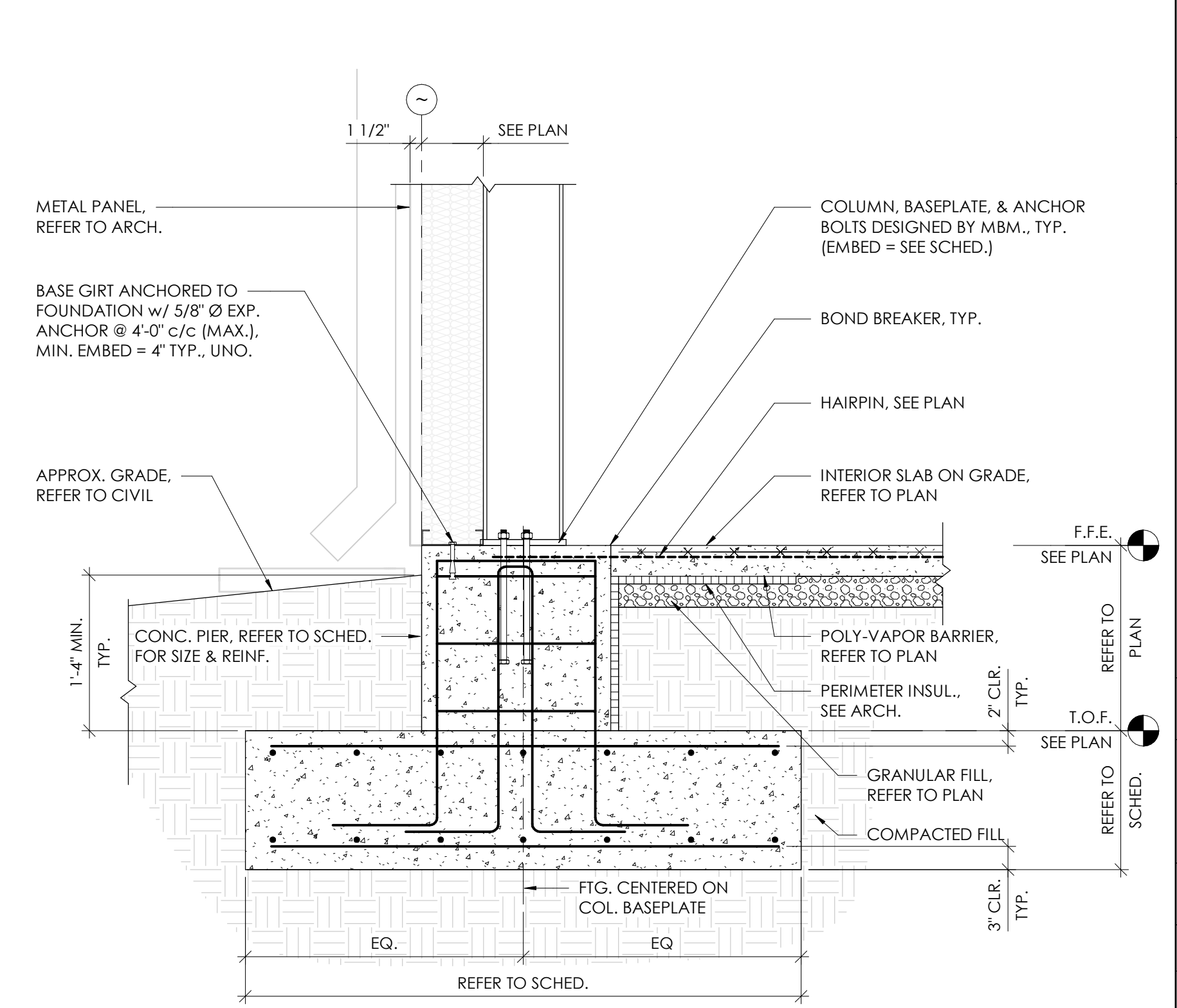
1 FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



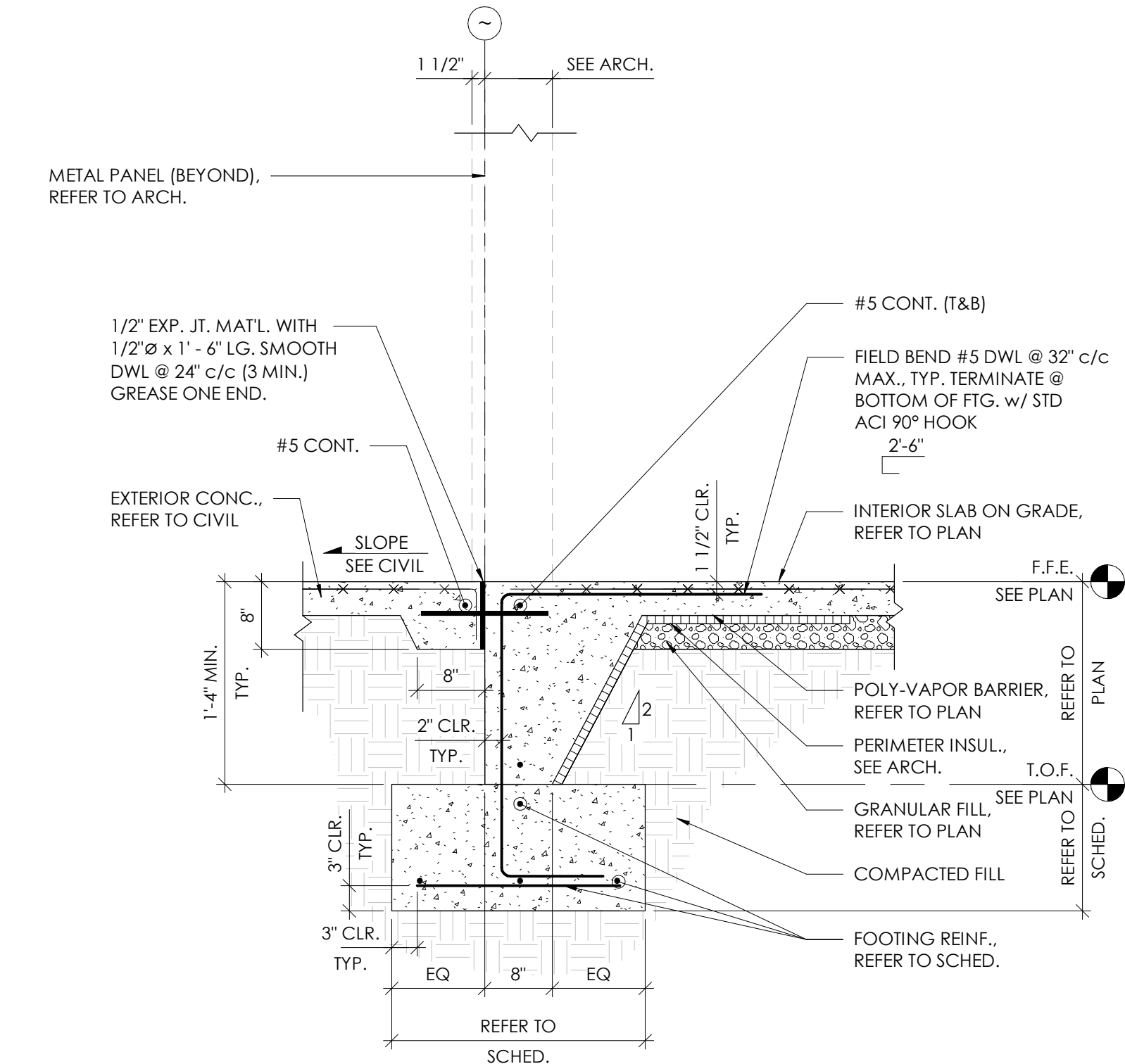
2 FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



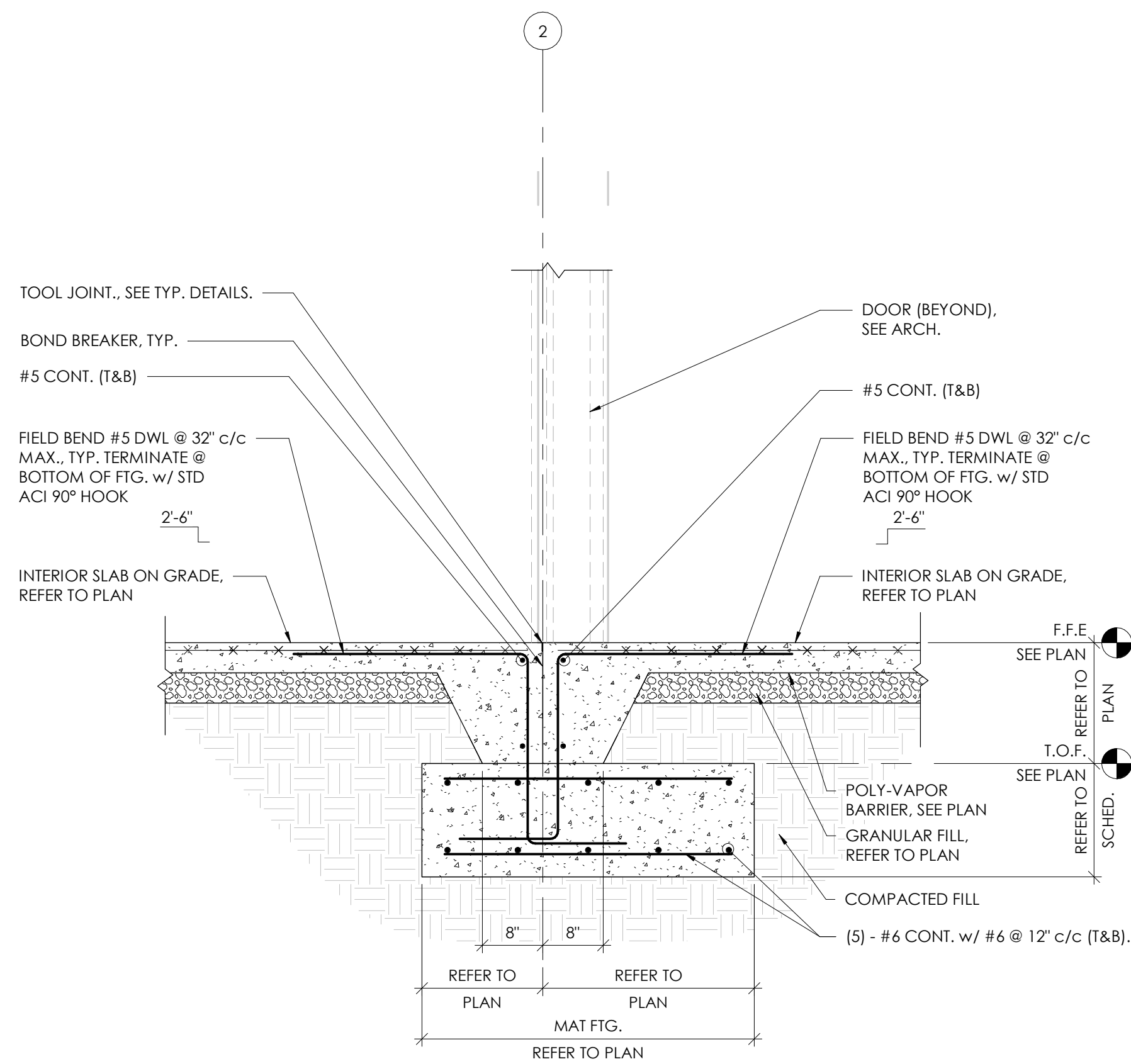
3 FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



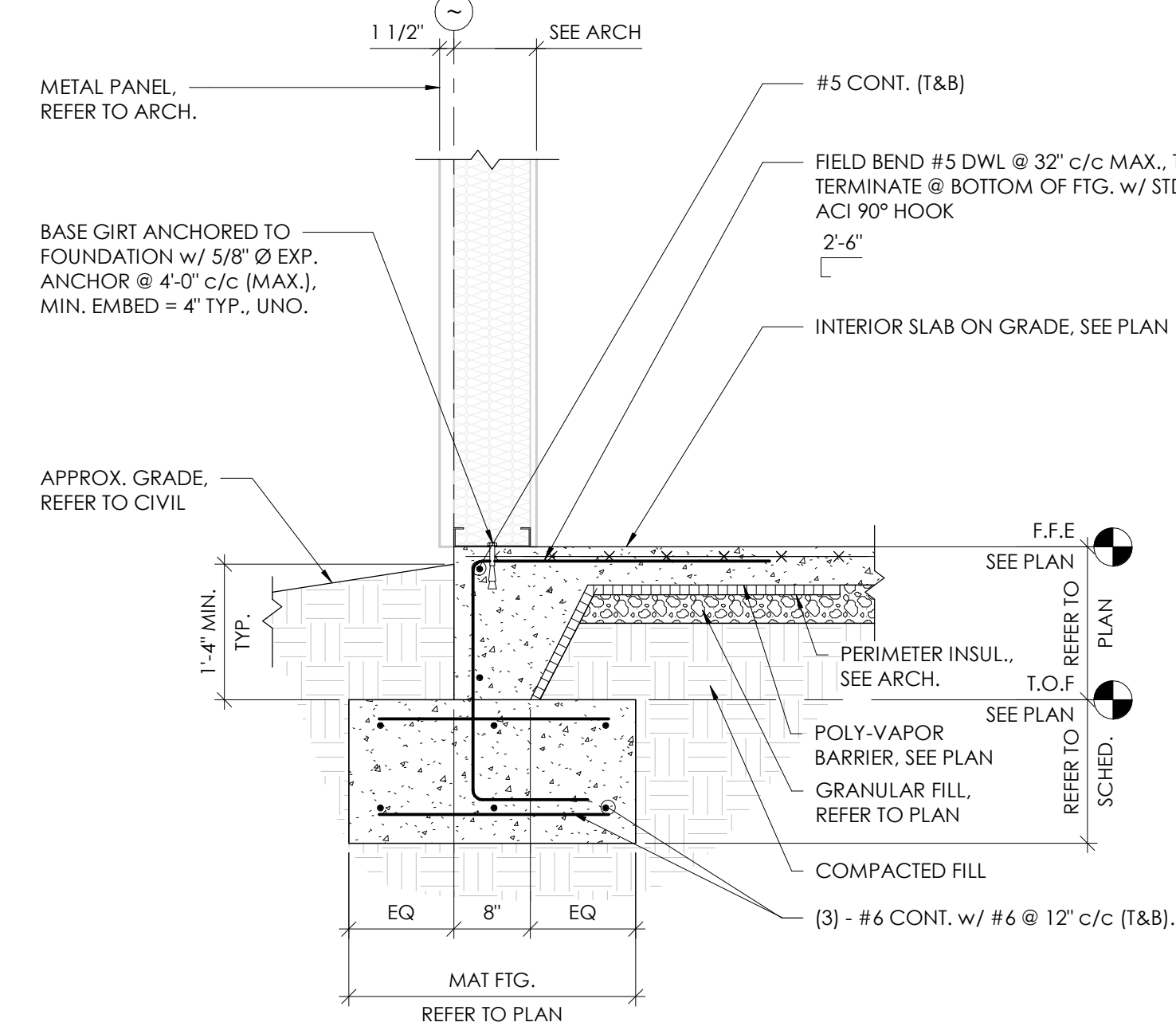
4 FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



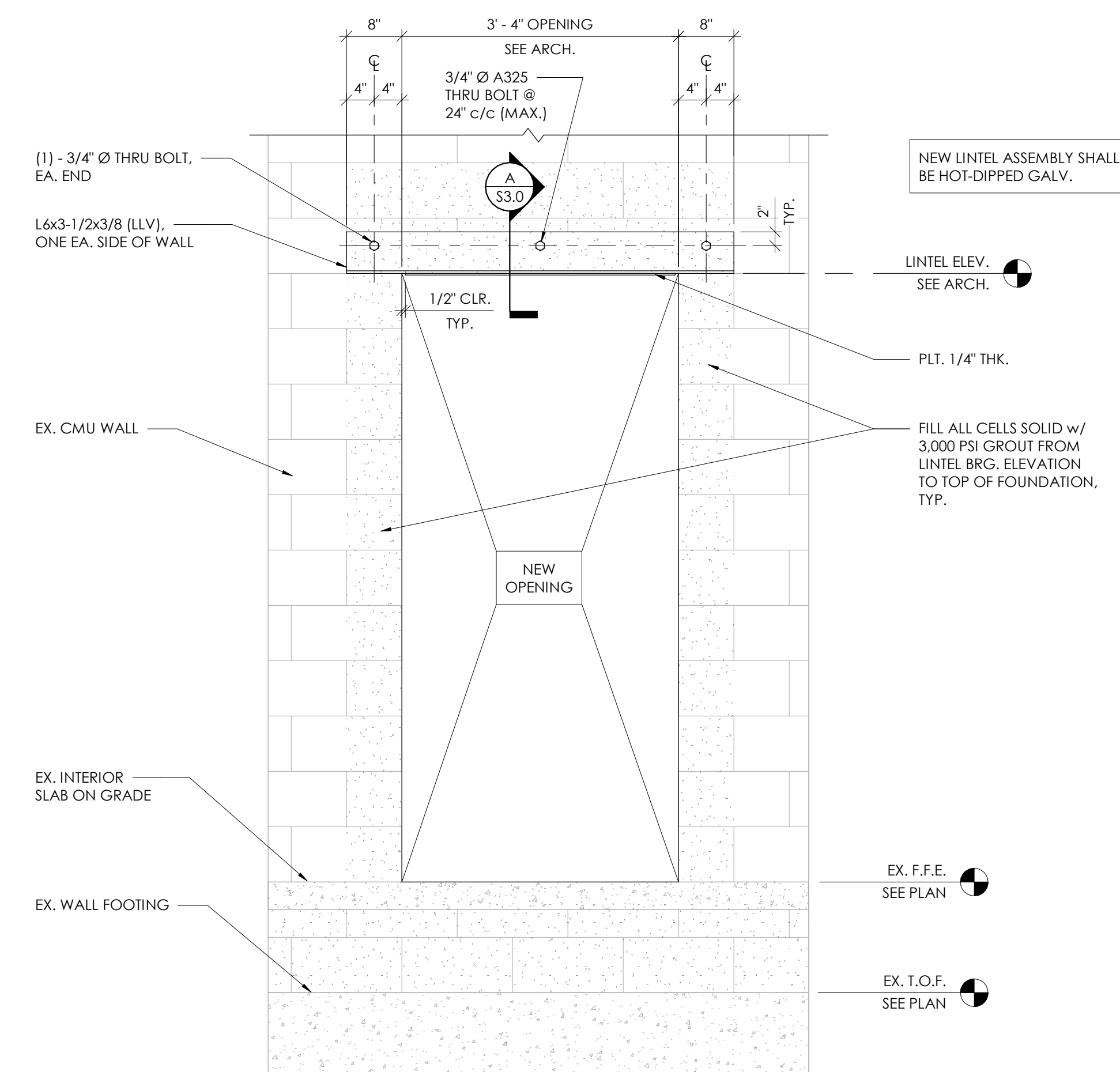
5 FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



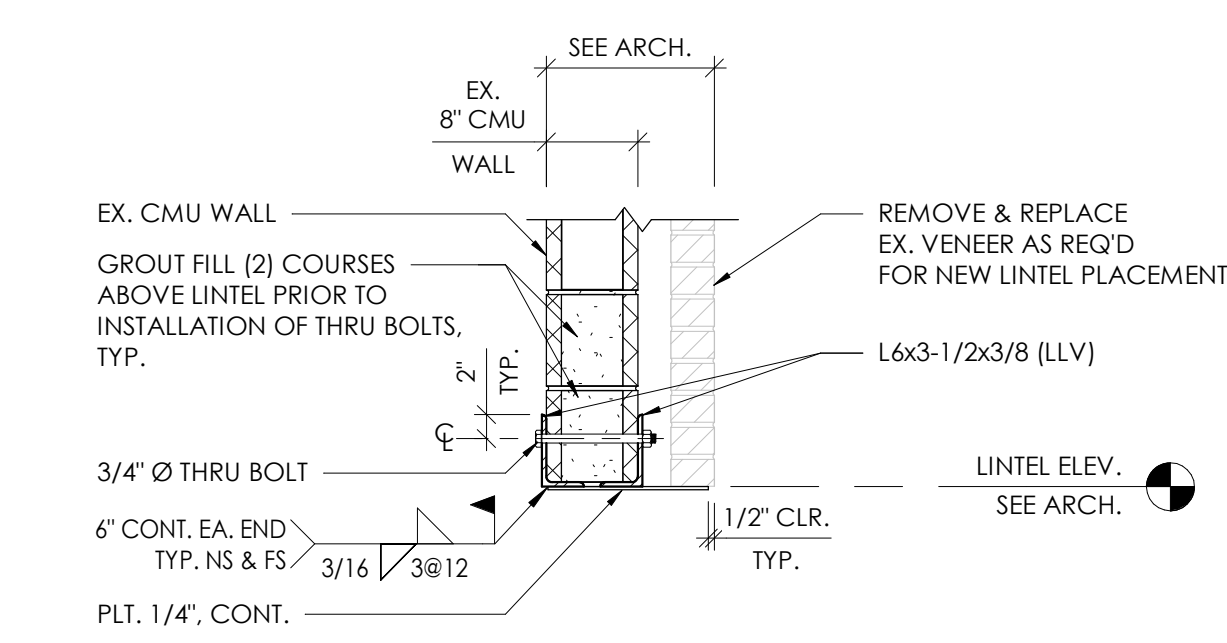
7 FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



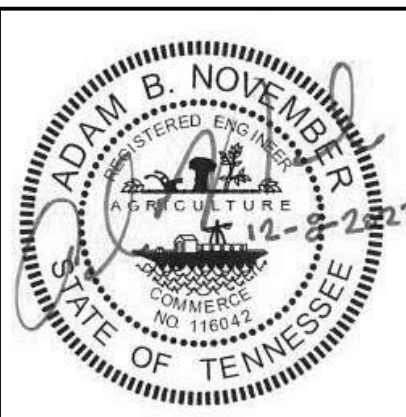
8 FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



6 NEW DOOR OPENING THRU EXISTING CMU WALL
SCALE: 3/4" = 1'-0"



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



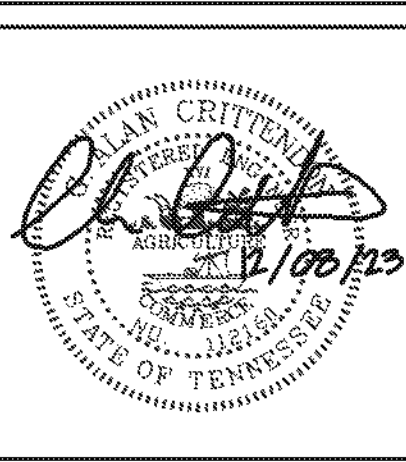
TLM ASSOCIATES, INC.
ARCHITECTS + ENGINEERS
www.tlme.com
117 East Locust, Union, Tennessee
731.988.9840 (phone) - 731.988.9959 (fax)

Foundation Sections
CLASSROOM ADDITION TO DYER COUNTY JAIL
for
Dyer County, Tennessee
Dyersburg, Tennessee

REVISIONS			
NO.	DATE	BY	DESCRIPTION

CONSULTANT

COLLIER
ENGINEERING, INC.
117 East La Grange Road
Chicago, IL 60644
773.488.4848
DWG# PROJECT NO. 24-078



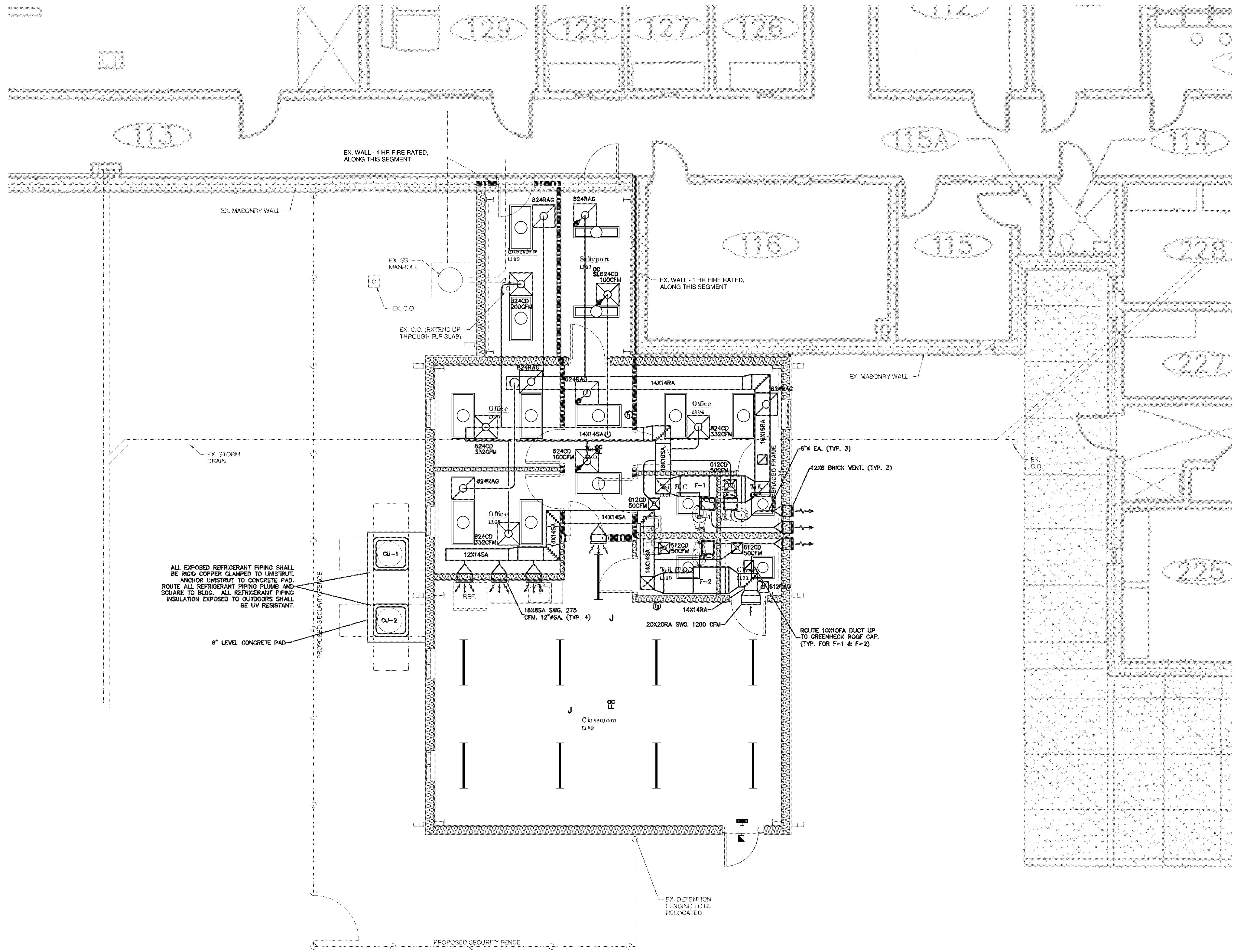
TIM ASSOCIATES, INC.
ARCHITECTS + ENGINEERS

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773.488.4848 (phone) • 773.488.4950 (fax)

HVAC Plan

**CLASSROOM ADDITION
TO DYER COUNTY JAIL**

for
Dyer County, Tennessee
Dyersburg, Tennessee



1 HVAC Plan - Classroom Addition
M1.1 SCALE: 1/4" = 1'-0"

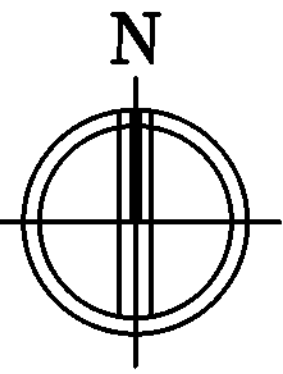
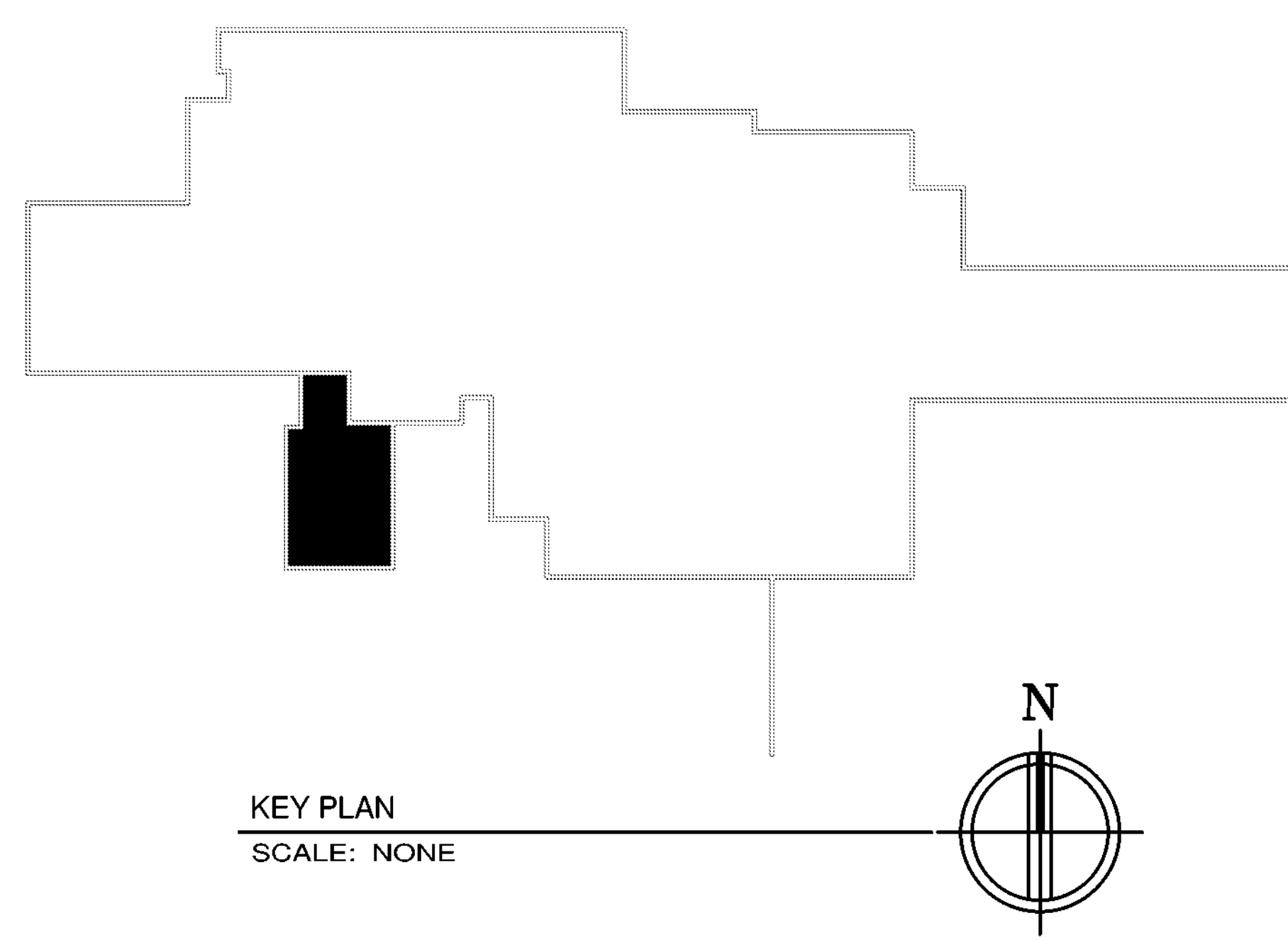
- GENERAL NOTES**
- DUCT SIZES INDICATED ARE ACTUAL SHEET METAL DIMENSIONS. WRAP ALL DUCTS WITH FOIL BACKED FIBERGLASS INSULATION EQUAL TO CERTAINTED SOFT TOUCH DUCT WRAP, TYPE 75, R-6 MINIMUM. SECURE EXTERNAL INSULATION TO RECTANGULAR DUCTWORK WITH TAPE AND STAPLES, AND INSTALL PANDUIT STRIPS ON 4" CENTERS TO PREVENT SAGGING. SECURE EXTERNAL INSULATION TO ROUND DUCTWORK WITH TAPE AND STAPLES.
 - IN ADDITION TO EXTERNAL INSULATION, PROVIDE 1/2" LINER FOR FIRST 10' OF ALL RETURN SYSTEMS TO REDUCE NOISE TRANSMISSION.
 - ALL RECTANGULAR DUCTS INSTALLED EXPOSED INSIDE THE BUILDING WITHIN 10 FEET OF THE FLOOR SHALL BE INSULATED WITH FOIL-BACKED CERTAINTED RIGID BOARD INSULATION, R-6 MINIMUM.
 - PROVIDE TEMPORARY FILTERS FOR EXISTING HVAC SYSTEMS AFFECTED DURING CONSTRUCTION ACTIVITIES. PROVIDE CLEAN SET OF FILTERS FOR EXISTING SYSTEMS AT END OF PROJECT.
 - PROVIDE SEISMIC RESTRAINT FOR ANY DUCTWORK 6FT OR GREATER.
 - ALL DUCTWORK EXPOSED INSIDE SHALL BE PAINTGRIP TYPE. ALL GRILLES IN SIDEWALL OF DUCTS SHALL MATCH FINAL DUCT COLOR. COORDINATE ALL GRILLE COLORS WITH ARCHITECT.
 - COORDINATE ALL NEW ROOF PENETRATIONS WITH ROOFING CONTRACTOR. ENSURE ALL NEW PENETRATIONS ARE PROPERLY CUT AND FLASHED WEATHERTIGHT. ENSURE ANY EXISTING WARRANTY IS MAINTAINED.
 - VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. HVAC LAYOUT DETERMINED FROM SITE OBSERVATIONS AND AS BUILT DRAWINGS. CONTRACTOR SHALL NOTIFY ENGINEER SHOULD EXISTING CONDITIONS DIFFER FROM THESE DRAWINGS.

RATED WALL LEGEND	
	1 HOUR FIRE PARTITION

LEGEND	
	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	EXHAUST/TRANSFER AIR GRILLE
	THERMOSTAT
	TURNING VANE
	FIRE/SMOKE DAMPER
SA	SUPPLY AIR
RA	RETURN AIR
FA	FRESH AIR/OUTSIDE AIR
EA	EXHAUST AIR

NECK SIZE	
	LAY-IN CEILING SIZE (24\"/>
	RAG - RETURN AIR GRILLE
	CD - CEILING DIFFUSER
	EAG - EXHAUST AIR GRILLE
	SAG - SIDEWALL GRILLE
	TAG - TRANSFER AIR GRILLE

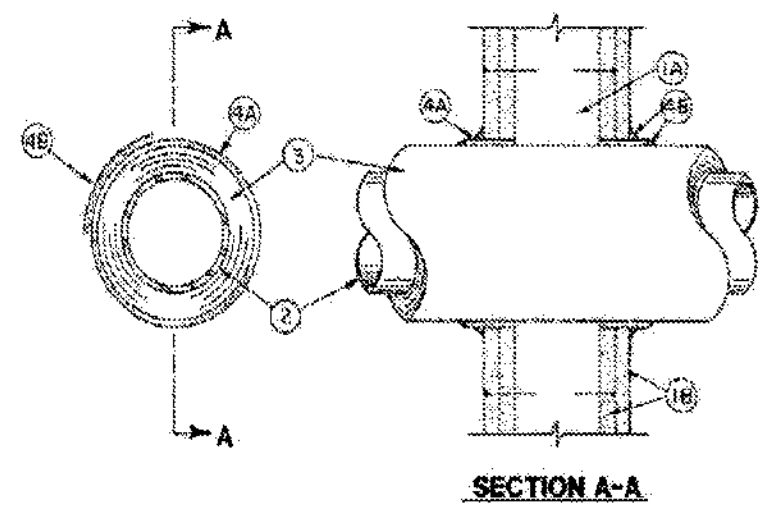
NOTE: ROUND BRANCH RUNOUT SIZE SAME SIZE AS DIFFUSER NECK UNLESS OTHERWISE SPECIFIED ON DRAWING.



System No. W-L-5001

May 18, 2005

- F Ratings --- 1 and 2 Hr (See Item 1)
- T Ratings --- 3/4, 1 and 1-1/2 Hr (See Item 3)
- L Rating At Ambient --- 2 CFM/sq ft
- L Rating At 400 F --- less than 1 CFM/sq ft



1. Wall Assembly --- The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the Individual U500, U400 or V400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

- A. Studs --- Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC with nom 2 by 4 in. (51 by 102 mm) lumber end plates and cross braces. Steel studs to be min 3-5/8 in. (92 mm) wide by 1-3/8 in. (35 mm) deep channel spaced max 24 in. (610 mm) OC.
- B. Gypsum Board --- Nom 5/8 in. (16 mm) thick, 4 ft (122 cm) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the Individual Design in the UL Fire Resistance Directory. Max diam of opening is 14-1/2 (368mm) in for wood stud walls and 18 in. (457 mm) for steel stud walls.

The hourly F Rating of the freestop system is 1 hr when installed in a 1 hr fire rated wall and 2 hr when installed in a 2 hr fire rated wall.

2. Through Penetrants --- One metallic pipe or tubing to be centered within the freestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:

- A. Steel Pipe --- Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
- B. Copper Tubing --- Nom 8 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
- C. Copper Pipe --- Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

3. Pipe Covering --- Nom 1 or 2 in. (25 or 51 mm) thick hollow cylindrical heavy density (min 3.5 pcf or 86 kg/m³) glass fiber units jacketed on the outside with an oil service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints sealed with metal fasteners or with butt strip tape supplied with the product. When nom 1 in. (25 mm) thick pipe covering is used, the annular space between the pipe covering and the circular cutout in the gypsum wallboard layers on each side of the wall shall be min 1/4 in. (6 mm) to max 3/8 in. (10 mm) when nom 2 in. (51 mm) thick pipe covering is used, the annular space between the pipe covering and the circular cutout in the gypsum board layers on each side of the wall shall be min 1/2 in. (13 mm) to max 3/4 in. (19 mm).

See Pipe and Equipment Covering Materials (BRGU) category in Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

The hourly T Rating of the freestop system is 3/4 hr when nom 1 in. (25 mm) thick pipe covering is used. The hourly T Rating of the freestop system is 1 hr and 1-1/2 hr when nom 2 in. (52 mm) thick pipe covering is used with 1 hr and 2 hr fire rated walls, respectively.

4. Freestop System --- Installed symmetrically on both sides of wall assembly. The details of the freestop system shall be as follows:

- A. Fill, Void or Cavity Material* --- Wrap Strip --- Nom 1/4 in. (6 mm) thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. (51 mm) wide strips. Nom 2 in. (51 mm) wide strip tightly wrapped around pipe covering (fold side out) with seam butted. Wrap strip layer secured bound with steel wire or aluminum foil tape and aid into annular space approx 1-1/4 in. (32 mm) such that approx 3/4 in. (19 mm) of the wrap strip width protrudes from the wall surface. One layer of wrap strip is required when nom 1 in. (25 mm) thick pipe covering is used. Two layers of wrap strip are required when nom 2 in. (51 mm) thick pipe covering is used.

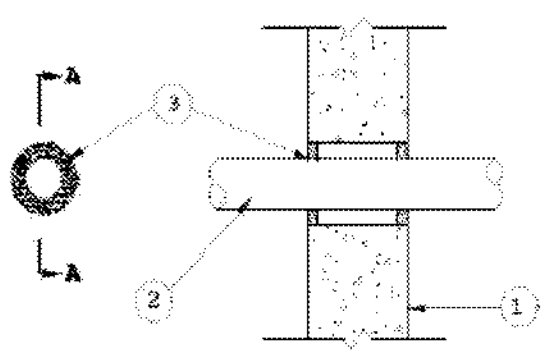
3M COMPANY --- FS-195+

- B. Fill, Void or Cavity Material* --- Caulk or Sealant --- Min 1/4 in. (6 mm) diam continuous bead applied to the wrap strip/wall interface and to the exposed edge of the wrap strip layer approx 3/4 in. (19 mm) from the wall surface.

3M COMPANY --- CP 25WB+, IC 15WB+, FireDam 150+ caulk or FB-3000 WT sealant

*Bearing the UL Classification Mark

System No. W-J-1156
November 25, 2003
F Rating --- 2 Hr
T Rating --- 0 Hr



- 1. Wall Assembly --- Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete wall. Wall may also be constructed of any UL Classified Concrete Block*, Diam of opening to be min 1/2 in. (13 mm) to max 4 in. (102 mm) greater than outside diam of through-penetrant. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

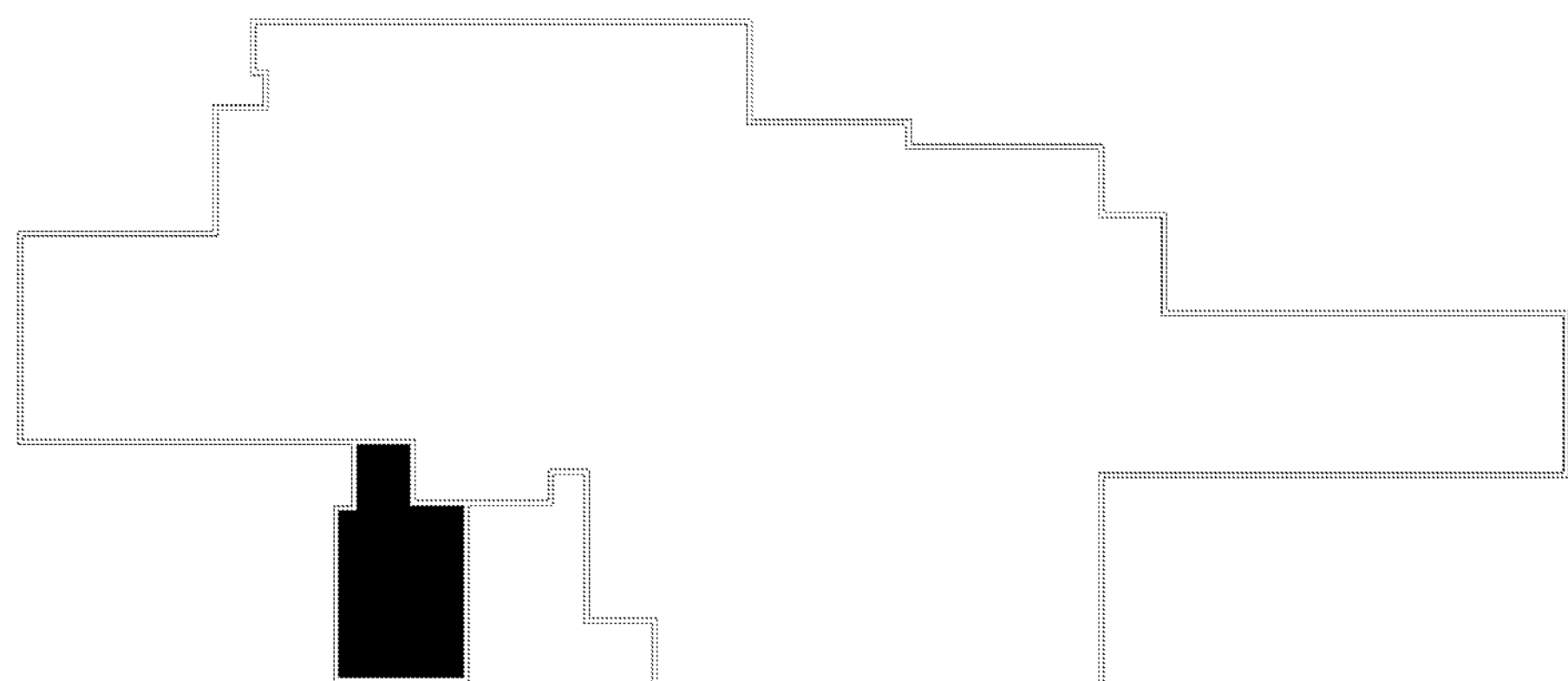
2. Through Penetrants --- One metallic pipe, conduit or tubing centered within opening. Annular space between penetrant and periphery of opening to be min 1/4 in. (6 mm) to max 2 in. (51 mm). Penetrant to be rigidly supported on both sides of wall. The following types and sizes of penetrants may be used:

- A. Steel Pipe --- Nom 6 in. (152 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
- B. Iron Pipe --- Nom 6 in. (152 mm) diam (or smaller) cast or ductile iron pipe.
- C. Conduit --- Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or nom 6 in. (152 mm) rigid steel conduit.
- D. Copper Tubing --- Nom 3 in. (76 mm) diam (or smaller) Type L (or heavier) copper tubing.
- E. Copper Pipe --- Nom 3 in. (76 mm) diam (or smaller) Regular (or heavier) copper pipe.

3. Fill, Void or Cavity Material* --- Sealant --- Min 5/8 in. (16 mm) thickness of sealant applied within annulus, flush with both surfaces of wall.

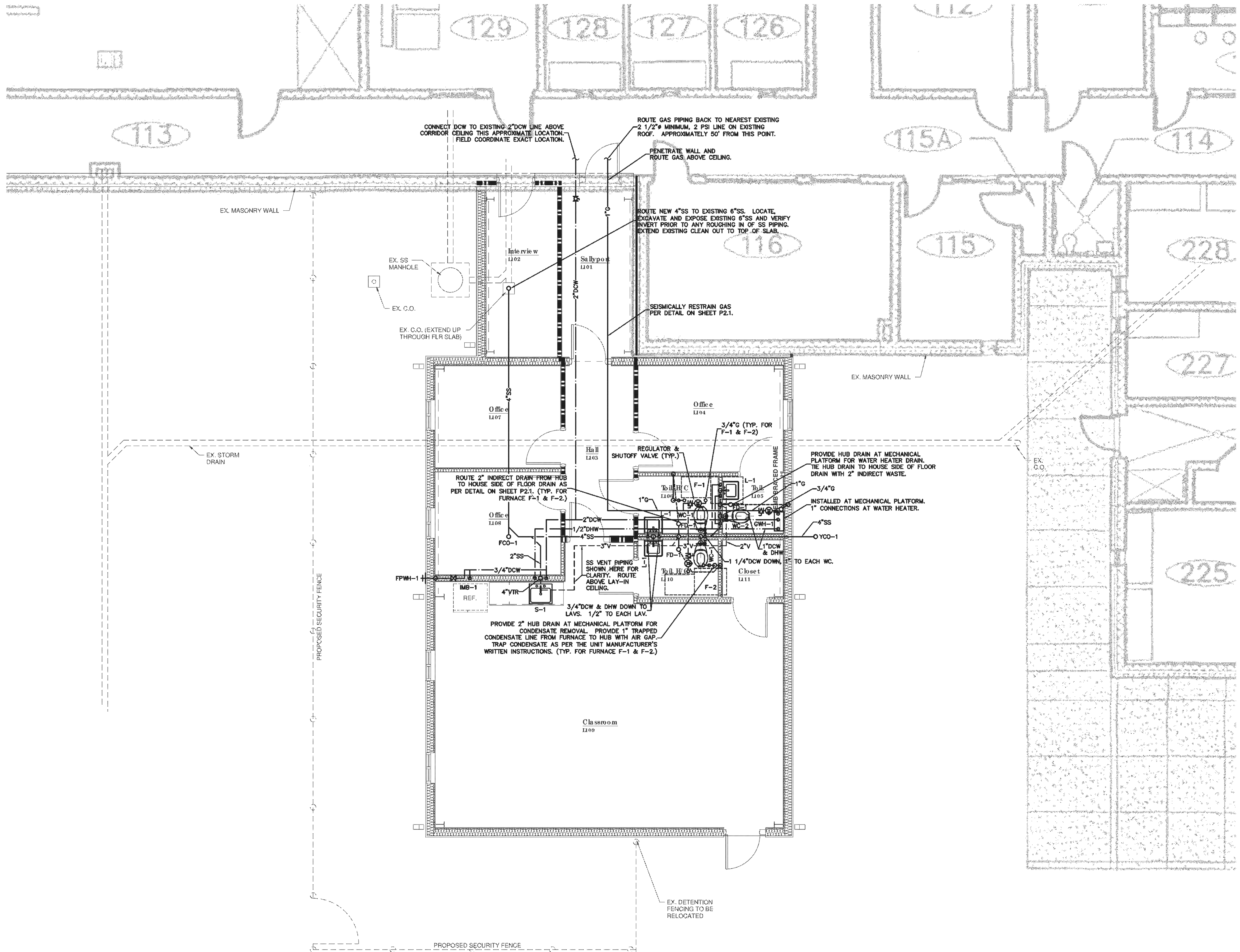
3M COMPANY --- FB-1000 NS

*Bearing the UL Classification Marking



KEY PLAN

SCALE: NONE



PLUMBING Plan - Classroom Addition

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

PLUMBING SCHEDULE:				
TAG	SEWER	RUN	OUT SIZE	DESCRIPTION
WC-1	4"	1"	---	AMERICAN STANDARD, MADERA, 3043001 FLUSH VALVE TOILET, ADA 17 TO 18" SEAT HEIGHT, 1.6 GPF, ELONGATED BOWL WITH SLOAN REGAL 111 FLUSH VALVE, AND SEAT.
WC-2	4"	1"	---	AMERICAN STANDARD, MADERA, 2234001 FLUSH VALVE TOILET, 14" RIM HEIGHT, 1.6 GPF, ELONGATED BOWL WITH SLOAN REGAL 111 FLUSH VALVE, AND SEAT.
L-1	1 1/2"	1/2"	1/2"	AMERICAN STANDARD, 0958009C, WALL-HUNG LAVATORY, ADA, WITH AMERICAN STANDARD, MONTECITO, 65401S, WOODRAD FAUCET WITH 0.5GPM AERATOR. PROVIDE MIXING VALVE WITH 110° MAX DELIVERY, BRASS CRAFT, DEARBORN, #207, P-TRAP, 155A, STRAINER, AND #216S SUPPLIES & STOPS. PROVIDE ZURN Z1231 WALL CARRIER WITH CONCEALED SUPPORT ARMS. PROVIDE WITH PORCELAIN SHROUD.
FD-1	3"	---	---	J.R. SMITH, MODEL 200S-1, FLOOR DRAIN. PROVIDE WITH TRAP PRIMER.
FPWH-1	---	3/4"	---	ELKAY, LR-1918, STAINLESS STEEL, 18 GA., SELF-RIMMING, SINGLE COMPARTMENT, DROP-IN, SINK, WITH AMERICAN STANDARD, F022170, CENTERSET, GOOSENECK FAUCET, WRISTBLADE HANDLES, GRID STRAINER DRAIN, AND SUPPLIES & STOPS.
IMB-1	---	1/2"	---	GUY GRAY, ICEMAKER BOX, FRMB12, METAL WITH VALVE OR EQUAL.
FPWH-1	---	3/4"	---	ZURN Z-1310 FROSTPROOF WALL HYDRANT.
FCO-1	4"	---	---	ZURN, Z-1400, ADJUSTABLE, FLOOR CLEAN-OUT.
YCO-1	4"	---	---	ZURN, EXTERIOR GRADE CLEANOUT.

GENERAL NOTES:

- ALL WATER CLOSETS SHALL RECEIVE A 2" VENT, ALL OTHERS SHALL RECEIVE 1 1/2" VENT UNLESS OTHERWISE NOTED. COORDINATE VENT THROUGH ROOF (VTR) LOCATIONS WITH ROOFTOP EQUIPMENT AND FRESH AIR INTAKES. MAINTAIN 10" MINIMUM CLEARANCE FROM FRESH AIR INTAKES.
- ALL WATER CLOSETS SHALL RECEIVE A 4"SS CONNECTION, ALL FLOOR DRAINS SHALL RECEIVE A 3"SS CONNECTION, ALL OTHERS SHALL BE 2"SS UNLESS OTHERWISE NOTED.
- CONDENSATE DRAIN SHALL BE SCH 40 PVC, SLOPE TO DRAIN, INSULATED AND SUPPORTED W/CLIPS HANGERS AND ALL THREAD ROD TO PREVENT SAGGING.
- ALL WATER CLOSETS SHALL RECEIVE 1" DOW, ALL FPWH SHALL RECEIVE 3/4" DOW, ALL OTHER FIXTURES SHALL RECEIVE 1/2" UNLESS OTHERWISE SPECIFIED.
- INSTALL ALL GAS PIPING INDOORS. ALL EXPOSED PIPE SHALL BE PAINTED AND INSTALLED ON PIPE SUPPORTS. INSTALL ALL REGULATORS, FOR ROOF TOP UNITS, ON ROOF.
- INSTALL SHUTOFF VALVE UPSTREAM OF REGULATOR. VENT ALL REGULATORS TO OUTDOORS.
- VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. PLUMBING LAYOUT DETERMINED FROM SITE OBSERVATIONS AND AS BUILT DRAWINGS. CONTRACTOR SHALL NOTIFY ENGINEER SHOULD EXISTING CONDITIONS DIFFER FROM THESE DRAWINGS.

RATED WALL LEGEND

- 1 HOUR FIRE PARTITION

LEGEND

- SS --- SANITARY SEWER
- V --- VENT, VTR (VENT THRU ROOF)
- CD --- CONDENSATE
- DCW --- DOMESTIC COLD WATER
- DHW --- DOMESTIC HOT WATER
- G --- NATURAL GAS

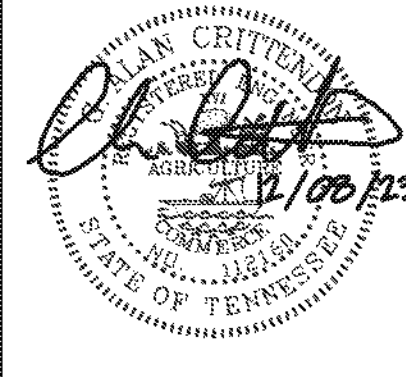
REVISIONS			
NO.	DATE	BY	DESCRIPTION

CONSULTANT

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Chicago, Illinois 60627
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DWGS/PROJECT NO. 24-078



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PLUMBING Plan

**CLASSROOM ADDITION
TO DYER COUNTY JAIL**

for
Dyer County, Tennessee
Dyersburg, Tennessee

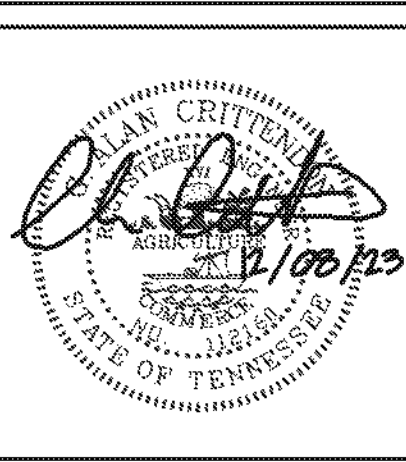
Dec. 8, 2023

J-6401B

P1.1

REVISIONS			
NO.	DATE	BY	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER
IN THE STATE OF TENNESSEE
No. 24078
COLLIER
DWG# PROJECT NO. 24-078

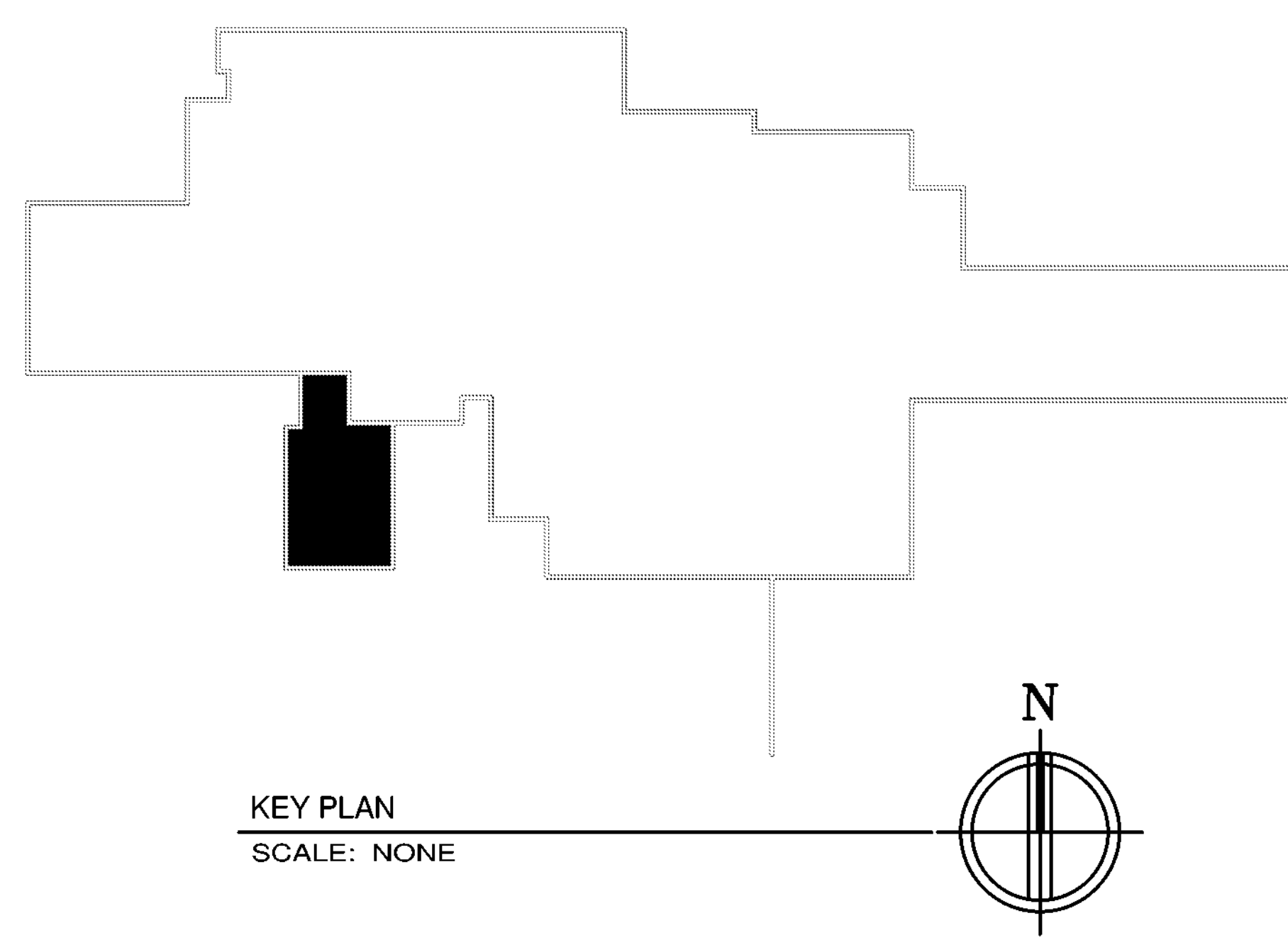
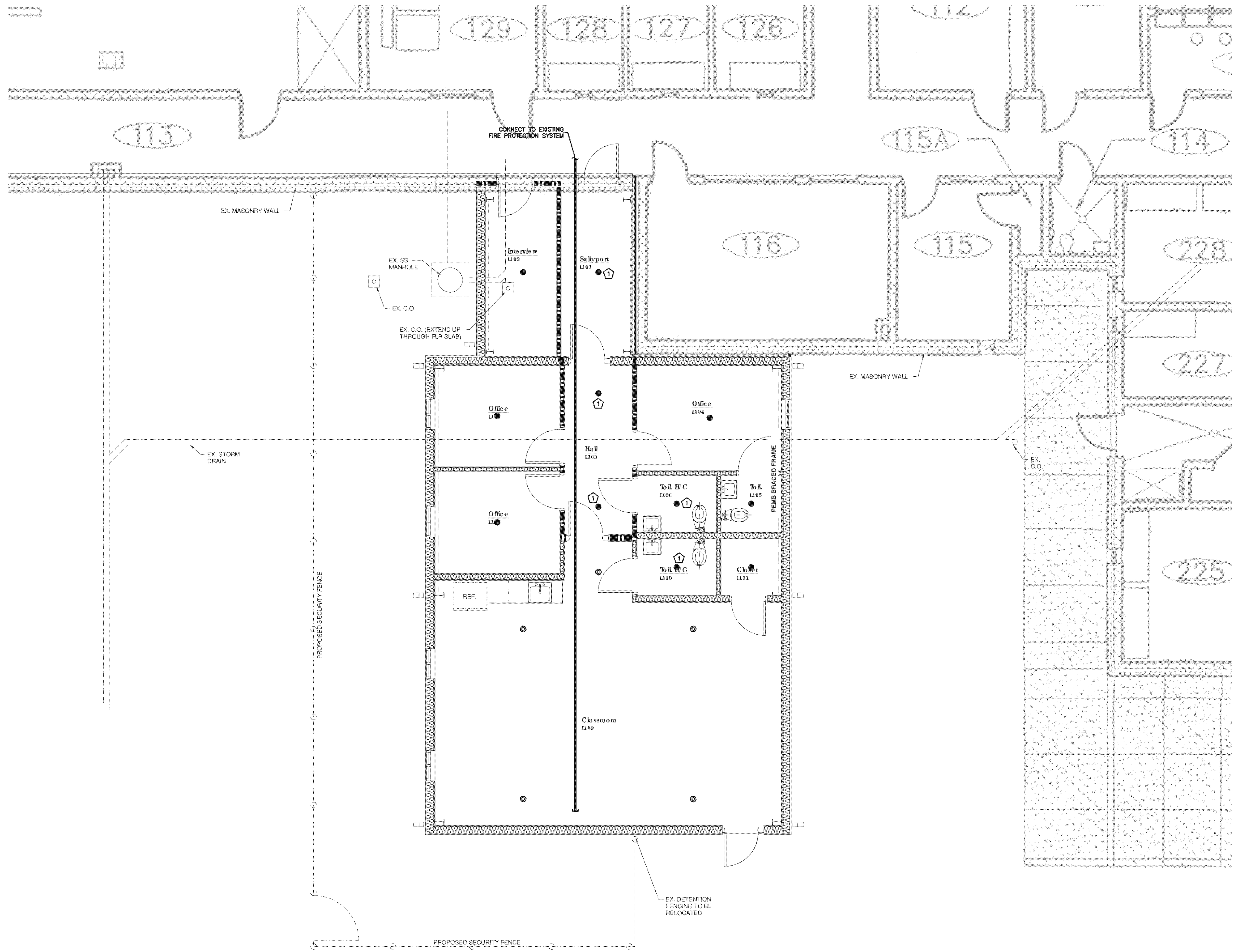


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FIRE PROTECTION Plan
CLASSROOM ADDITION
TO DYER COUNTY JAIL
for
Dyer County, Tennessee
Dyersburg, Tennessee

Dec. 8, 2023
J-6401B

FP1.1

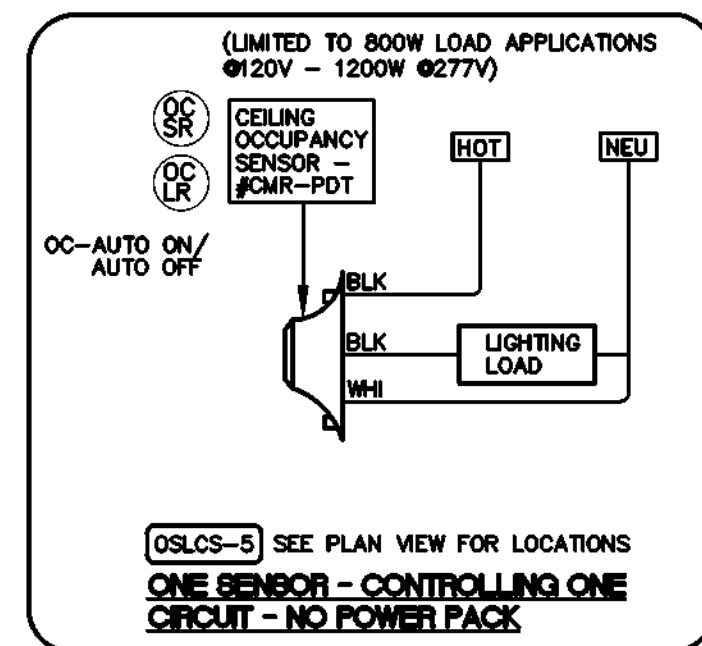
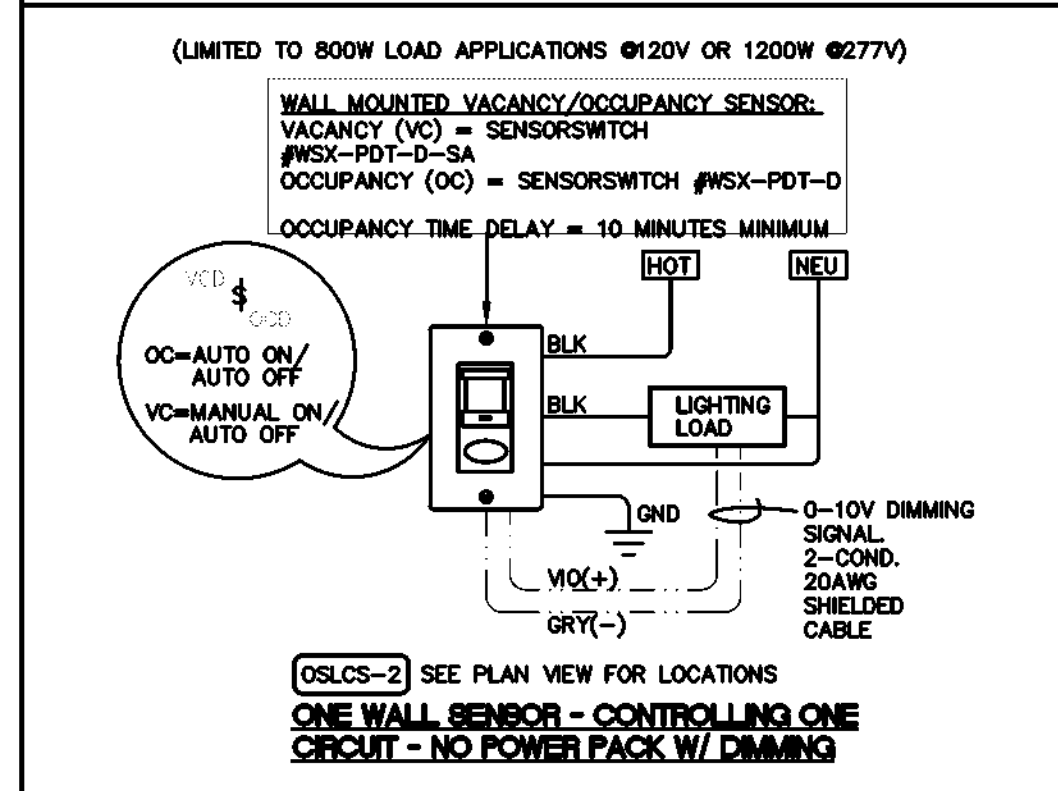
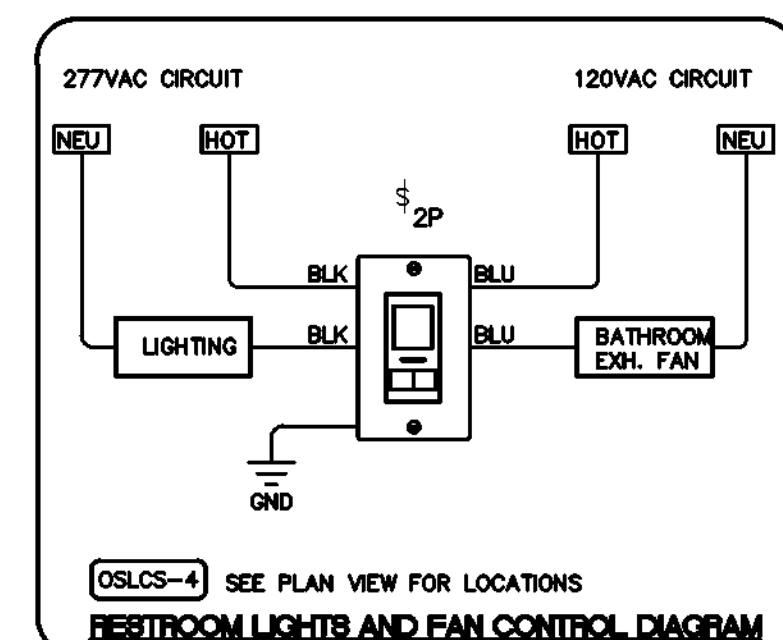
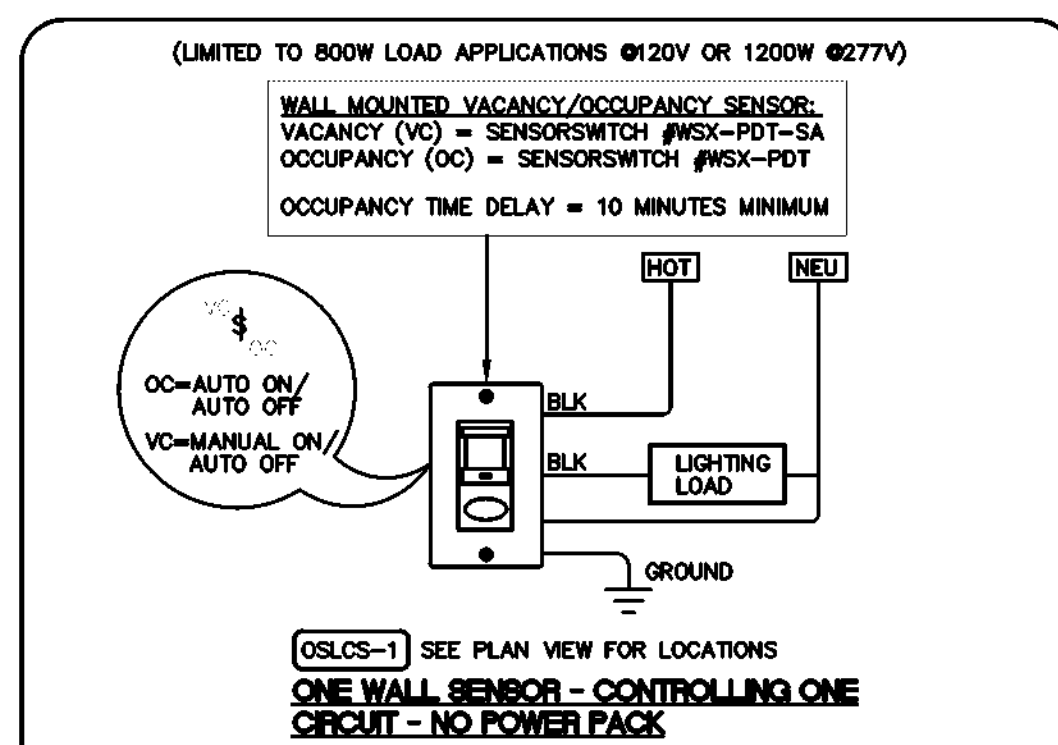


1
FP1.1
FIRE PROTECTION Plan - Classroom Addition
SCALE: 1/4" = 1'-0"

- KEYED NOTES:**
- PROVIDE INSTITUTIONAL, TAMPER RESISTANT SPRINKLER HEADS THIS AREA.
- FIRE PROTECTION NOTES:**
- THE SPRINKLER CONTRACTOR SHALL PROVIDE FULL WET-TYPE COVERAGE PER NFPA 13 FOR ALL AREAS OF NEW CONSTRUCTION. DESIGN DENSITY SHALL BE 0.1 GPM/FT² FOR LIGHT HAZARD FOR ALL AREAS EXCEPT FOR STORAGE ROOMS, JANITOR ROOMS, ETC. WHICH SHALL BE ORDINARY HAZARD AT 0.15 GPM/FT².
 - REGISTERED SPRINKLER CONTRACTOR SHALL PROVIDE AND INSTALL ALL FIRE PROTECTION PIPING FROM POINT OF SERVICE.
 - CONTRACTOR SHALL PROVIDE CALCULATIONS WITH 10PS MARGIN MINIMUM.

LEGEND	
⊙	RELIABLE, UPRIGHT BRASS HEAD, F1-FR, 1/2" ORIFICE, 5.6K, 155°
●	RELIABLE, SEMI-RECESSED HEAD, F1-FR, 1/2" ORIFICE, 5.6K, 155°
▲	RELIABLE, HORIZONTAL SIDEWALL HEAD, F1-FR, 1/2" ORIFICE, 5.6K, 155°
⊞	HYDRAULIC NODE
⊞	KEYED NOTE
⊞	SPRINKLER RISER
⊞	POST INDICATOR VALVE (PIV) (MONITORED)
⊞	FIRE DEPARTMENT CONNECTION (FDC)
⊞	3-WAY HYDRANT (PER LOCAL REQUIREMENTS)
⊞	THRUST BLOCK

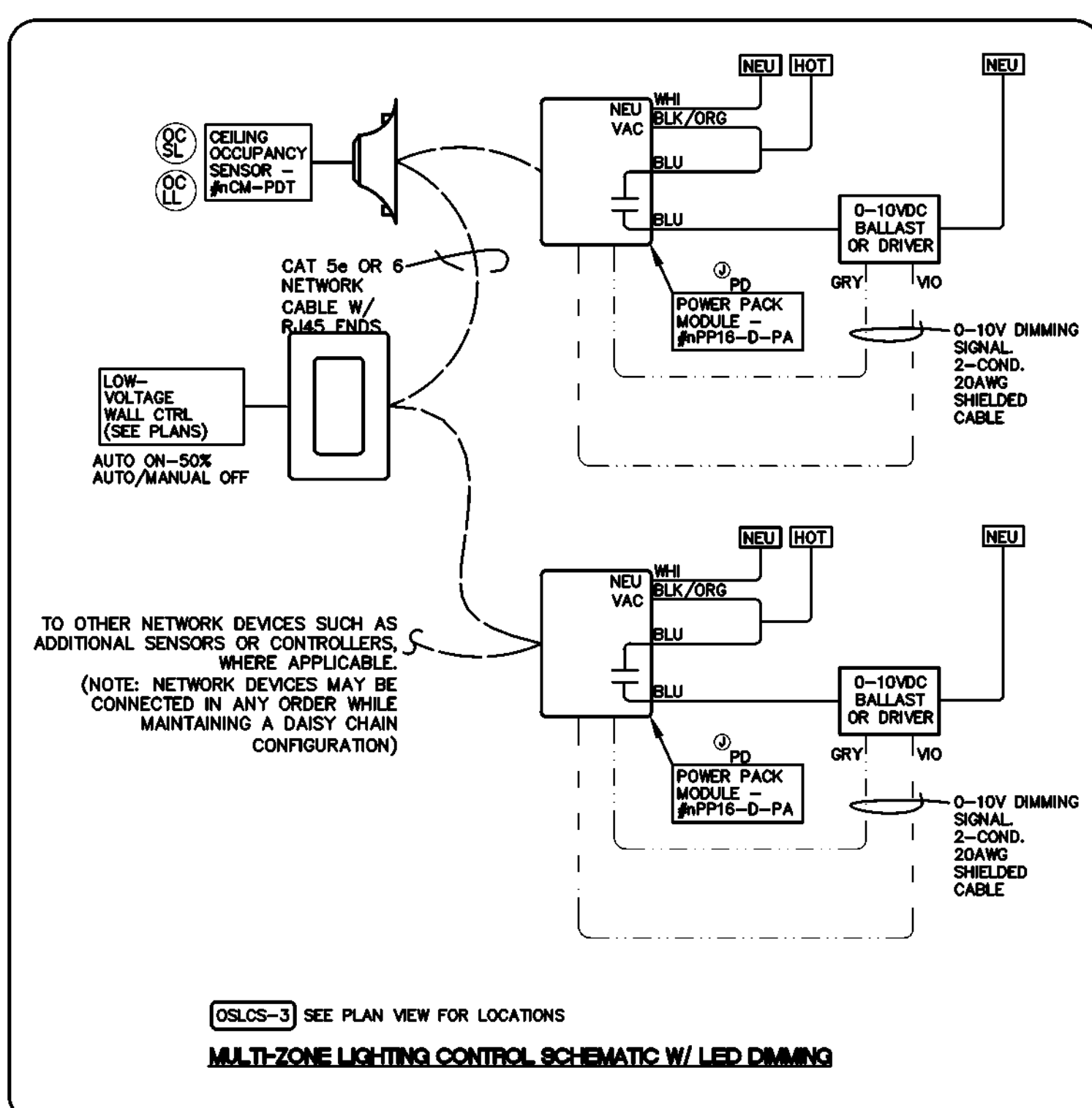
RATED WALL LEGEND	
—	1 HOUR FIRE PARTITION



NOTE: DIAGRAMS ARE INTENDED TO DEPICT THE INTENDED CONTROL SCHEME FOR THE ROOM LIGHTING IN AREAS INDICATED ON THE LIGHTING PLANS. SEE ABOVE SCHEMATICS FOR SPEC NUMBERS, ETC. FURNISH AND INSTALL SENSORS QUANTITIES AND OR POWER PACKS AS INDICATED ON PLAN VIEW AND AS REQUIRED BY NUMBER OF CIRCUITS OF LIGHTING WITHIN THE SPACE. PLACEMENT OF SENSORS SHALL BE BASED ON ROOM GEOMETRY AND SHALL PROVIDE 100% COVERAGE OF THE SPACE - FIELD COORDINATE WITH MANUF. RECOMMENDATIONS. ALL SYSTEM COMPONENTS SHALL BE WIRED PER THE MANUF. RECOMMENDATIONS. CONTRACTOR SHALL COORDINATE TIME AND SENSITIVITY SETTINGS OF EQUIPMENT WITH OWNER'S PREFERENCES. INFO ABOVE IS BASED ON SENSOR SWITCH AND LIGHT.

LIGHTING CONTROL SCHEMATICS DIAGRAMS

NO SCALE



KEYED CONSTRUCTION NOTES:

- ① LOOP THRU PHOTOCELL. SEE DETAIL.
- ② MOUNTING HEIGHT TO MATCH EXISTING.
- ③ CONNECT EMERGENCY & EXIT FIXTURE TO UNSWITCHED CONDUCTOR FROM LIGHTING CIRCUIT IN SPACE.
- ④ CONNECT 277V FOR LIGHTING TO POLE (1) OF SWITCH, AND 120V FOR FAN TO POLE (2).

LIGHTING FIXTURE SCHEDULE

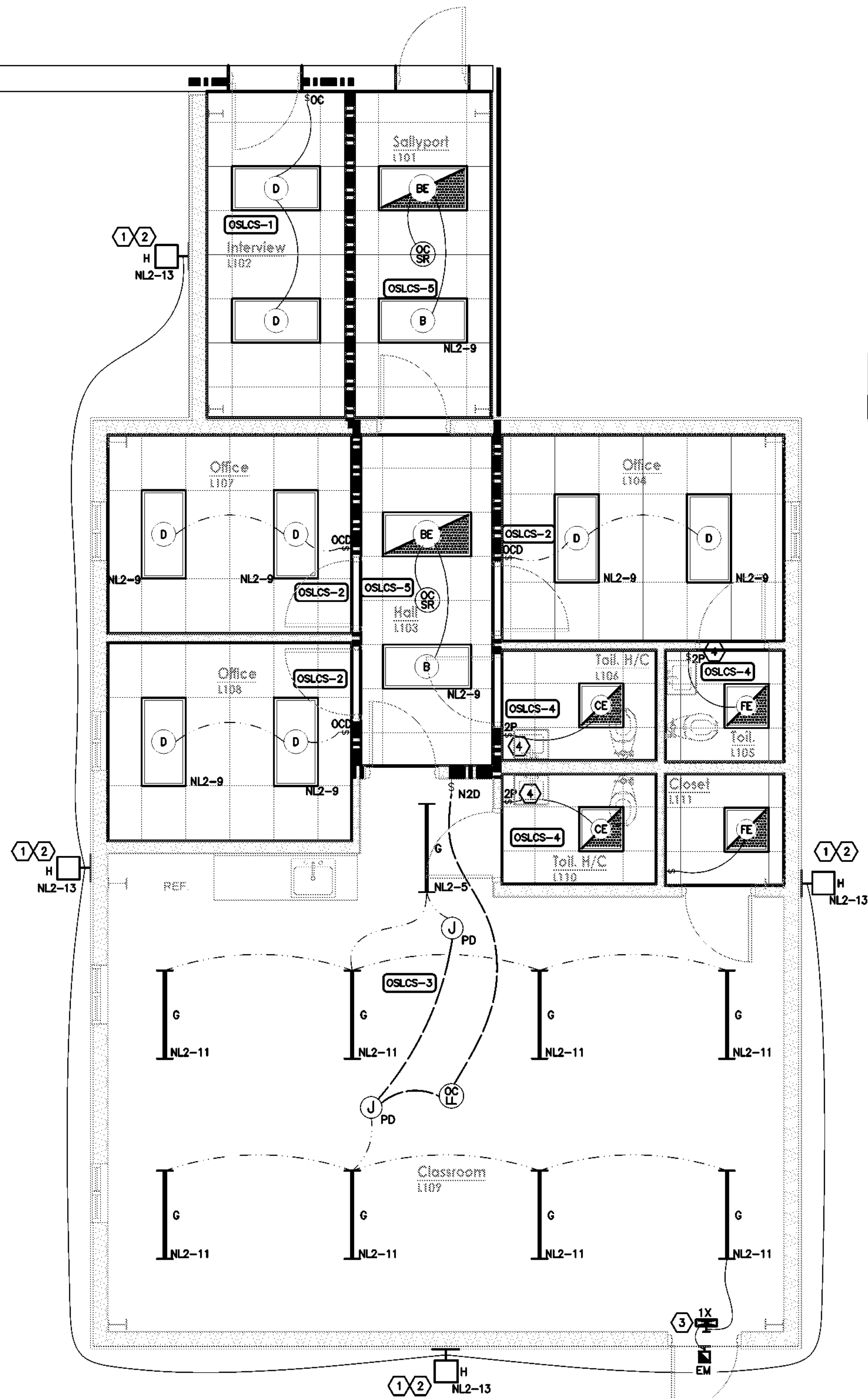
TYPE	MANUFACTURER	CATALOG NUMBER	LAMP	VOLTAGE	INPUT WATTS	MOUNTING	FINISH	REMARKS	SEE NOTES
B	NEWSTAR OR EQUAL	57R 24 CC L2 40 1C 1 D UN EL2	6250 LUM. LED	277V	50W	RECESSED IN A.C.T. CEILING	WHITE	2'x4 RECESSED LED VANDAL RESISTANT TROFFER, STEEL DOOR/HOUSING, PRISMATIC POLY. LENS, TAMPER RESIST. FASTENERS	2
BE	NEWSTAR OR EQUAL	57R 24 CC L2 40 1C 1 D UN EL2	6250 LUM. LED	277V	50W	RECESSED IN A.C.T. CEILING	WHITE	2'x4 RECESSED LED VANDAL RESISTANT TROFFER, STEEL DOOR/HOUSING, PRISMATIC POLY. LENS, TAMPER RESIST. FASTENERS, EMER BATTERY.	2,3
CE	NEWSTAR OR EQUAL	57R 22 CC L2 40 1C 1 D UN EL1	3125 LUM. LED	277V	25W	RECESSED IN A.C.T. CEILING	WHITE	2'x2 RECESSED LED VANDAL RESISTANT TROFFER, STEEL DOOR/HOUSING, PRISMATIC POLY. LENS, TAMPER RESIST. FASTENERS, EMER BATTERY.	2,3
D	LITHONIA OR EQUAL	CPANL 2X4 60LM 40K	8000 LUM. LED	277V	52W	RECESSED IN ACOUSTIC TILE	WHITE	2'x4' RECESSED FLAT PANEL	2
EM	ISOLITE OR EQUAL	ELED EM B2 MB HX	1050 LUM. LED	277V		WALL MOUNT ABOVE DOOR	BRONZE	EXTERIOR LED EMERGENCY LIGHT, VANDAL RESISTANT FASTENERS, INTERNAL HEATER, POLYCARBONATE LENS	1
FE	LITHONIA OR EQUAL	CPANL 2X2 4L01 SW7 M4 ILBLP CP10 HE SD A	3300 LUM. LED	277V	38.8W	RECESSED IN ACOUSTIC TILE	WHITE	2'x2' RECESSED FLAT PANEL SWITCHABLE LUMEN & COLOR WITH EMERGENCY BATTERY FIELD-INSTALLATION KIT	2,3
G	LITHONIA OR EQUAL	CSS L48 AL03 MVOLT 40K	5000 LUM. LED	277V	43.9W	SURFACE	WHITE	4 FT LED STRIP LIGHT W/ FROSTED DIFFUSER	
H	DURAGUARD OR EQUAL	WWPQ-F-1X25-U-4K-Z-BUC	3804 LUM. LED	277V	29W	WALL MOUNT @ 8'-0" ABV FINISHED GRADE	DARK BRONZE	LED WALL PACK, EMER BATTERY	
1X	LITHONIA OR EQUAL	LV 5 W 1 R 120/277 EL N SD	LED	277V	27W	BACK MOUNT	WHITE WITH RED LETTERS	SINGLE SIDED LED EXIT SIGN WITH DIRECTIONAL ARROW KNOCKOUTS & SELF-DIAGNOSTICS. VANDAL RESISTANT	1

NOTES FOR SPECIFIC FIXTURES:

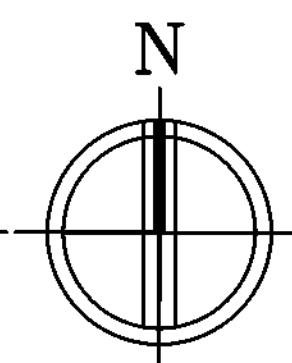
1. THESE FIXTURE TYPES SHALL BE A SELF-CONTAINED EMERGENCY UNIT COMPLETE WITH BATTERIES, CHARGERS AND TRANSFER MECHANISMS AND SHALL BE CONNECTED TO UNSWITCHED CONDUCTORS. THESE FIXTURES SHALL BE CONNECTED TO THE CIRCUIT SERVING NORMAL POWERED LIGHTING FIXTURES IN THE SAME SPACE PER N.E.C. §700.12(F).
2. SEE SEISMIC DETAIL. LAY-IN FIXTURES SHALL BE SUPPORTED WITH A MINIMUM OF FOUR (4) INDEPENDENT WIRES SEPARATE FROM CEILING SUPPORT WIRES. FURNISH DOWNLIGHTS ("CAN LIGHTS") WITH A MINIMUM OF TWO (2) INDEPENDENT WIRES SEPARATE FROM CEILING SUPPORT WIRES.
3. FIXTURE TYPES "JE" ARE THE SAME AS FIXTURE TYPES "J", RESPECTIVELY, EXCEPT WITH SELF-CONTAINED EMERGENCY BATTERY BACKUP. PULL AN UNSWITCHED CONDUCTOR TO THE SELF-CONTAINED EMERGENCY BATTERY UNIT TRANSFER MECHANISM. SEE N.E.C. §700.12(F).

NOTES FOR ALL FIXTURES:

- ALL FIXTURES SHALL BE RATED AT 4000K UNLESS OTHERWISE SPECIFIED OR NOTED.

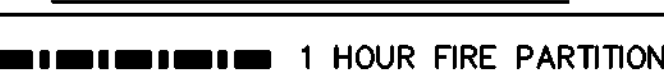


① LIGHTING PLAN
SCALE: 1/4" = 1'-0"



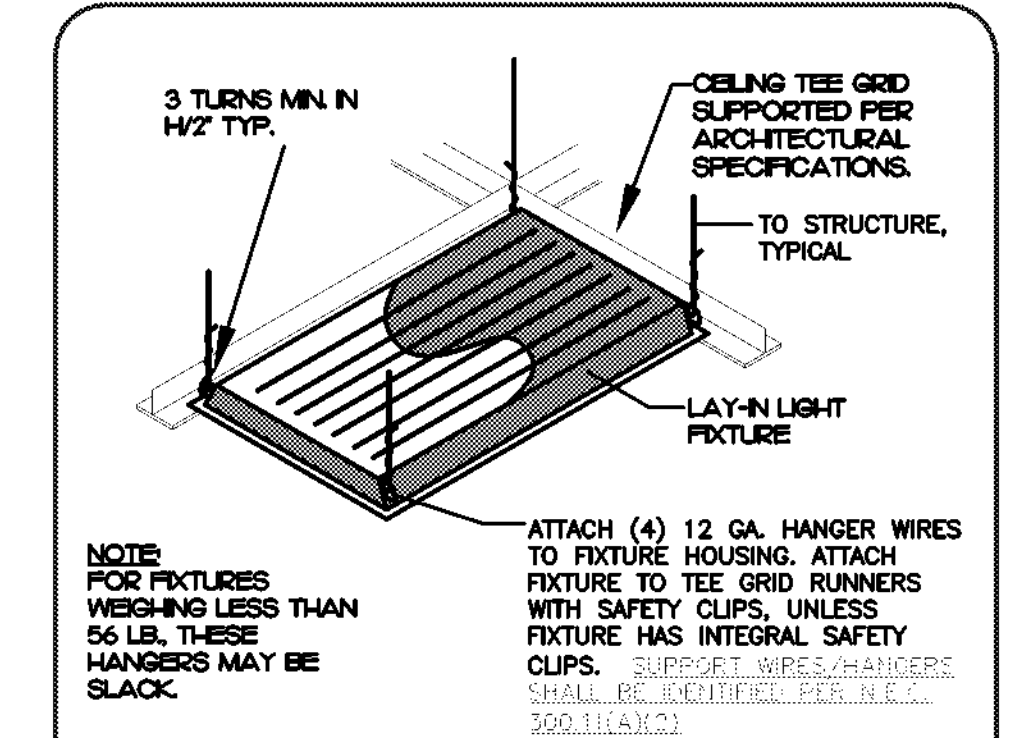
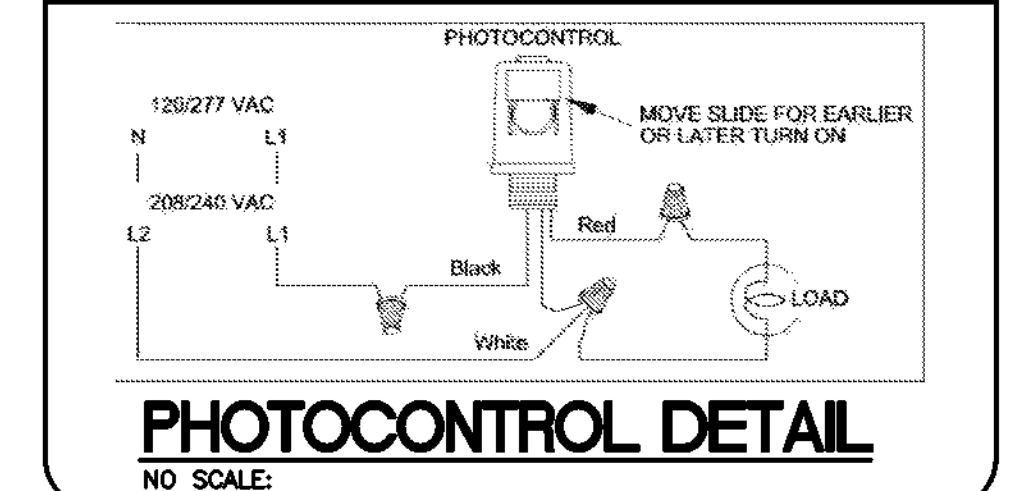
SYMBOL	DESCRIPTION	HEIGHT	LOCATION
2P	2 BUTTON, DUAL CHANNEL, LINE VOLTAGE ON/OFF WALL CONTROL WITH LIGHT/FAN CONTROLS. EQUAL TO SENSORSWITCH #WSX 2P FAN	44" TO BTM AFF	
N2D	6 BUTTON, DUAL CHANNEL, ON/OFF WALL CONTROL W/ DIMMING EQUAL TO #LIGHT #PDDMA 2P DX	44" TO BTM AFF	
OC	WALL MOUNTED DUAL-TECHNOLOGY OCCUPANCY SENSOR WITH ON/OFF OVERRIDE SWITCH. EQUAL TO SENSORSWITCH #WSX-PDT.	44" TO BTM. A.F.F.	
OCD	WALL MOUNTED DUAL-TECHNOLOGY OCCUPANCY SENSOR WITH ON/OFF SWITCH & 0-10V DIMMING. EQUAL TO SENSOR SWITCH #CMR-9-PDT	44" TO BTM. A.F.F.	
CE	CEILING MOUNTED, DUAL-TECHNOLOGY, STANDARD RANGE, LINE VOLTAGE OCCUPANCY SENSOR. EQUAL TO SENSOR SWITCH #CMR-9-PDT	CEILING	
CE	CEILING MOUNTED, DUAL-TECHNOLOGY, EXTENDED RANGE, LOW VOLTAGE OCCUPANCY SENSOR. EQUAL TO #LIGHT #PDDMA 2P DX	CEILING	
J	POWER PACK WITH ONE 16A RELAY CONTACT AND 0-10V DIMMING AUTO ON TO 50%. EQUAL TO #LIGHT #PDDMA 2P DX	ABOVE CEILING	
OSLCS-#	OCCUPANCY SENSOR LIGHTING CONTROL SCHEMATIC SEE REFERENCED NUMBER DETAIL		

RATED WALL LEGEND



SPECIFICATION:
FURNISH AND INSTALL A NEW PHOTOELECTRIC SWITCH FOR CONTROL OF EXTERIOR LIGHTING. UNIT SHALL BE SUITABLE FOR MOUNTING TO 1/2" CONDUIT AND BE PROVIDED WITH INTEGRAL GASKETING FOR EXTERIOR USE. UNIT SHALL BE MOUNTED TO FASCIA SUCH THAT NO AREA LIGHTING WILL PREVENT UNIT FROM OPERATING PROPERLY AT NIGHT. UNIT SHALL BE UL LISTED FOR USE WITH LED LIGHTING UP TO 600W. UNIT SHALL FAIL IN THE "ON" POSITION AND SHALL OPERATE IN TEMPERATURE RANGE OF (-40°F TO +140°F).

120V = EQUAL TO TORK #2101 (ACCESSORY MOUNTING BRACKET #73866)
208Y = EQUAL TO TORK #2104 (ACCESSORY MOUNTING BRACKET #73866)



SEISMIC PROTECTION NOTE!

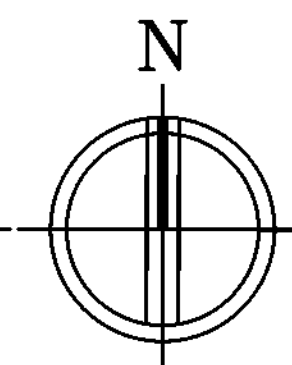
CONTRACTOR SHALL PROVIDE SEISMIC BRACING, SUPPORTS, ETC. FOR ALL MECHANICAL & ELECTRICAL EQUIPMENT & MATERIALS THAT WILL BE INSTALLED IN THE BUILDING PER THE LATEST KENTUCKY BUILDING CODE, THE LATEST INTERNATIONAL MECHANICAL CODE, THE NATIONAL ELECTRICAL CODE & ANY OTHER APPLICABLE AGENCIES HAVING JURISDICTION.

NOTE: CARRY UNSWITCHED HOT LEGS AS REQUIRED FOR EXIT AND EMERGENCY LIGHTS.

NOTE: THE OCCUPANCY SENSOR LAYOUT ON THESE PLANS IS AN APPROXIMATION TO SHOW MINIMUM DESIGN INTENT. THE CONTRACTOR SHALL COORDINATE WITH THE EQUIPMENT SUPPLIER TO ENSURE THAT THE OCCUPANCY SENSOR TYPE, QUANTITIES AND LOCATIONS INSTALLED WILL PROPERLY CONTROL LIGHTS IN ALL AREAS.

NOTE: PROVIDE THOROUGH ON SITE FACTORY TRAINING TO OWNER IN OPERATION, PROGRAMMING, SETUP AND MAINTENANCE OF EACH OCCUPANCY SENSOR DEVICE. PROVIDE DOCUMENTATION OF TRAINING SIGNED BY OWNER, TO ARCHITECT/ENGINEER PRIOR TO FINAL INSPECTION.

② KEY PLAN
SCALE: 1" = 40'-0"

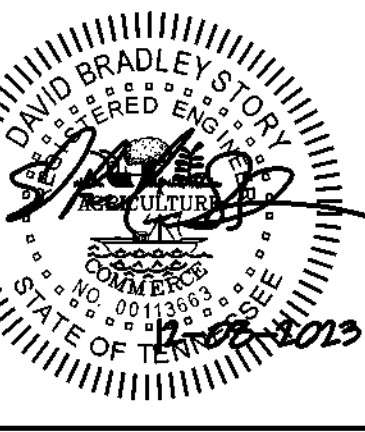


REVISIONS

NO.	DATE	BY	DESCRIPTION

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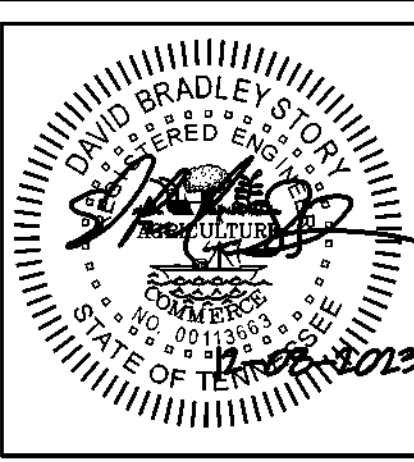
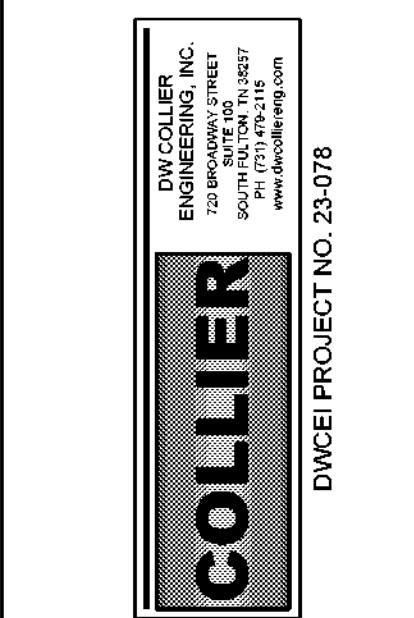


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LIGHTING PLAN
**CLASSROOM ADDITION
TO DYER COUNTY JAIL**
for
Dyer County, Tennessee
Dyersburg, Tennessee

REVISIONS	
DESCRIPTION	
BY	
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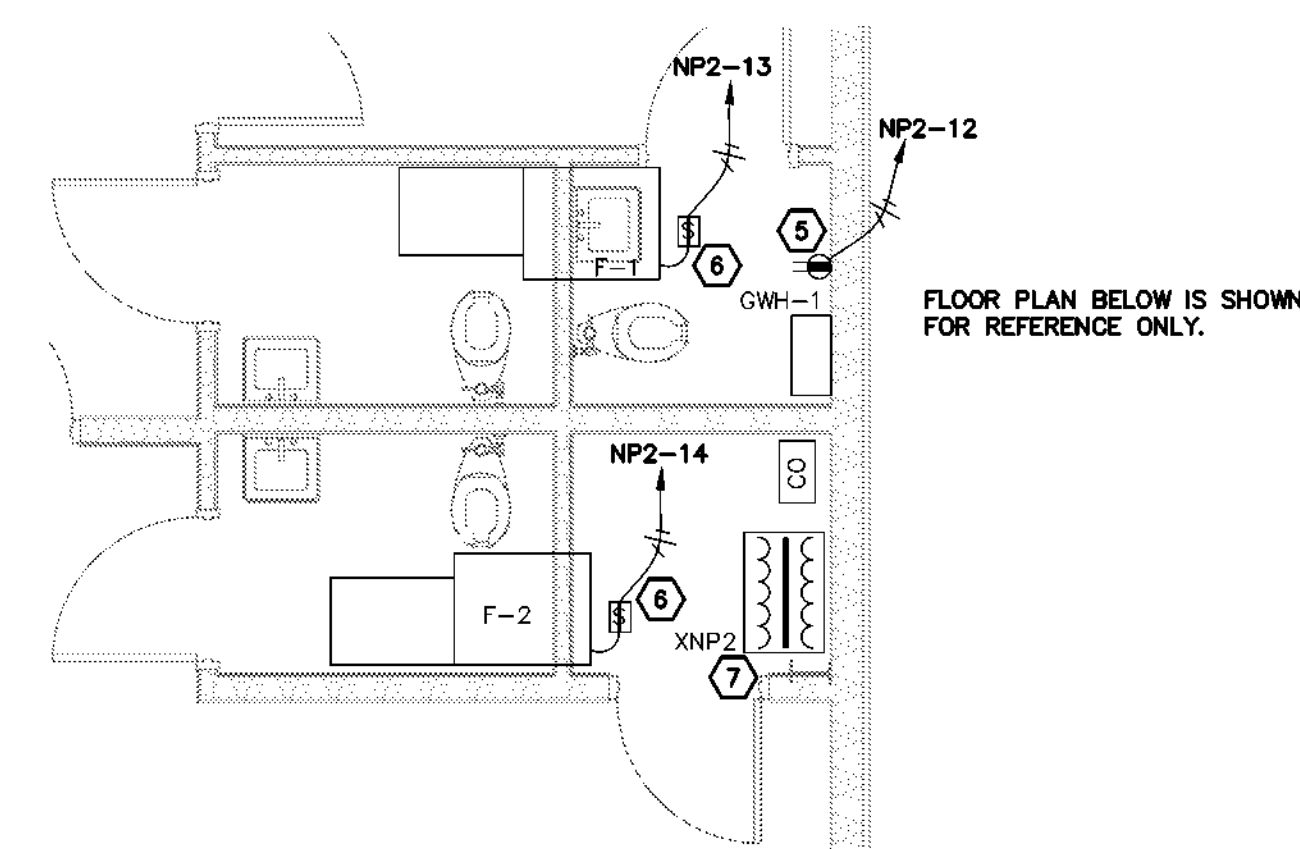
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POWER PLAN
CLASSROOM ADDITION TO DYER COUNTY JAIL
for
Dyer County, Tennessee
Dyersburg, Tennessee

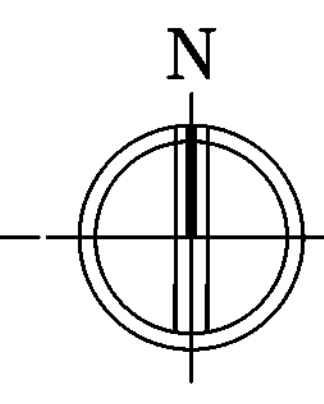
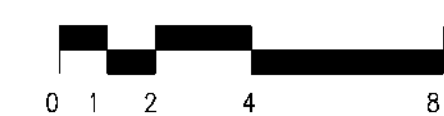
Dec. 8, 2023

J-6401B

E2.1



2 MECHANICAL PLATFORM PLAN
SCALE: 1/4" = 1'-0"



FIRE ALARM DEVICE LEGEND:

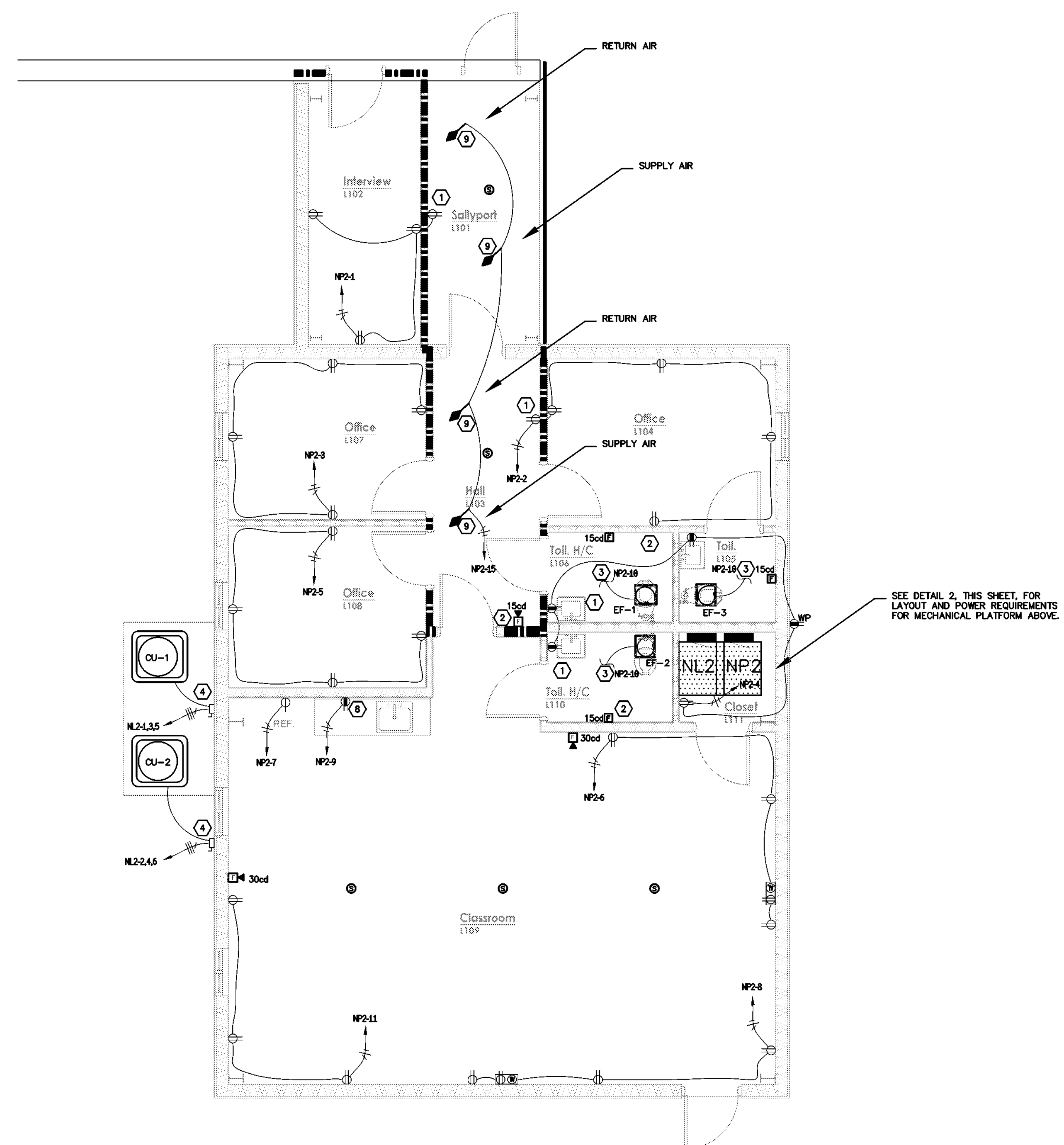
Ⓢ	SMOKE DETECTOR
Ⓜ	HORN/STROBE. CD LEVEL AS INDICATED
Ⓜ	STROBE. CD LEVEL AS INDICATED
ALL DEVICES SHALL BE VANDAL RESISTANT	

KEYED CONSTRUCTION NOTES:

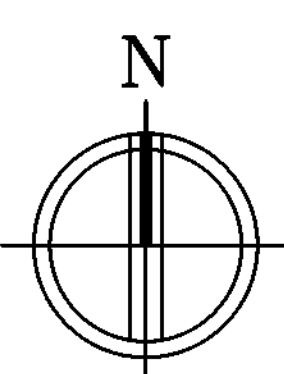
- 1 USE STEEL, PENAL-TYPE, VANDAL RESISTANT COVERS WITH TAMPER PROOF FASTENERS.
- 2 FURNISH PENAL-TYPE, VANDAL RESISTANT COVERS FOR FA DEVICES IN THESE ROOMS.
- 3 CONNECT EXHAUST FAN TO 2-POLE SWITCH. SEE DETAIL ON SHEET E1.1. CIRCUIT NP2-10.
- 4 COORDINATE WITH DIVISION 23 WHEN LOCATING DISCONNECT. VERIFY DISC. LOCATION ADHERES TO NEC 110.28 WORKING CLEARANCES.
- 5 MOUNT RECEPTACLE FOR WATER HEATER ON PLATFORM. COORDINATE EXACT LOCATION WITH DIVISION 22 PRIOR TO ROUGH-IN.
- 6 COORDINATE WITH DIV 23 FOR FURNACE ELECTRICAL REQ'S & LOCATIONS.
- 7 MOUNT TRANSFORMER ON PLATFORM. SEE ONE-LINE.
- 8 MOUNT DEVICE ABOVE COUNTER PER DETAIL.
- 9 PROVIDE A DEDICATED 120V CIRCUIT FOR FIRE/SMOKE DAMPER. PROVIDE INTERLOCK TO EXISTING FIRE ALARM SYSTEM.

RATED WALL LEGEND

— ■ — ■ — ■ — ■ — ■ — ■ —	1 HOUR FIRE PARTITION
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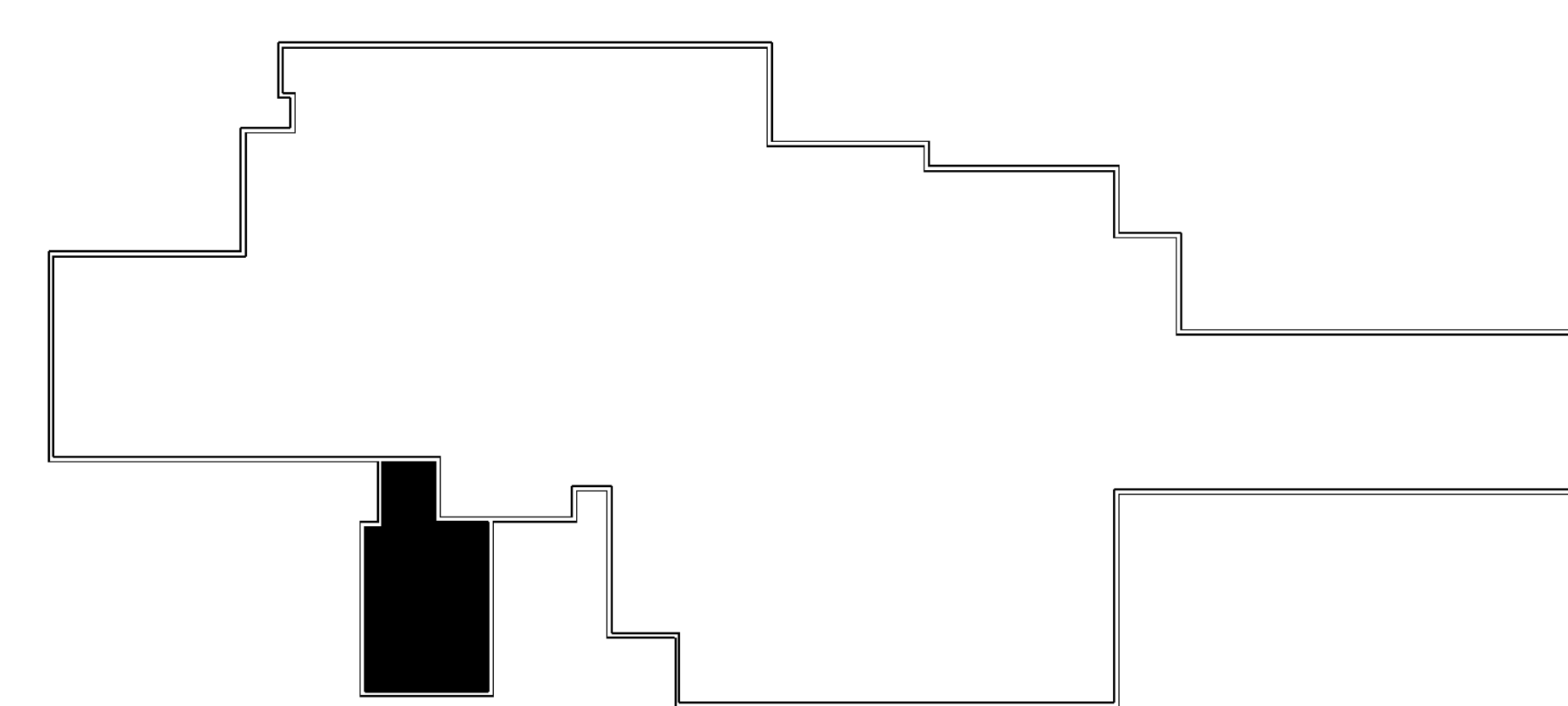
1 POWER PLAN
SCALE: 1/4" = 1'-0"



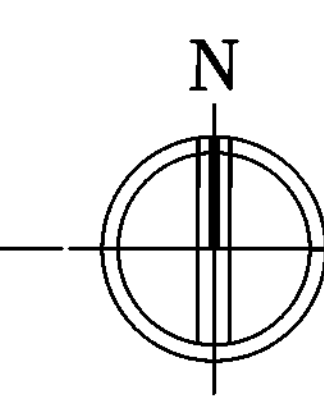
CONNECT NEW FIRE ALARM SYSTEM DEVICES INTO THE EXISTING SYSTEM. FIELD COORDINATE ALL REQUIREMENTS FOR A COMPLETE FUNCTIONAL FIRE ALARM SYSTEM FOR THE FACILITY PRIOR TO BID. THE FINAL PRODUCT SHALL BE A SINGLE SYSTEM WITH A SINGLE CONTROL POINT AND SINGLE MONITORING POINT THAT MEETS ALL CURRENT CODES.

NOTE: THESE PLANS ARE INTENDED TO SHOW MINIMUM DESIGN INTENT FOR FIRE ALARM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A COMPLETE, CODE-COMPLIANT, TESTED OPERATING, APPROVED SYSTEM.

FIRE ALARM NOTE: ALL REQUIRED DOCUMENTATION REGARDING THE DESIGN OF FIRE DETECTION, ALARM, AND COMMUNICATIONS SYSTEMS AND THE PROCEDURES FOR MAINTENANCE, INSPECTION, AND TESTING OF FIRE DETECTION, ALARM, AND COMMUNICATION SYSTEMS SHALL BE MAINTAINED AT AN APPROVED, SECURED LOCATION FOR THE LIFE OF THE SYSTEM.



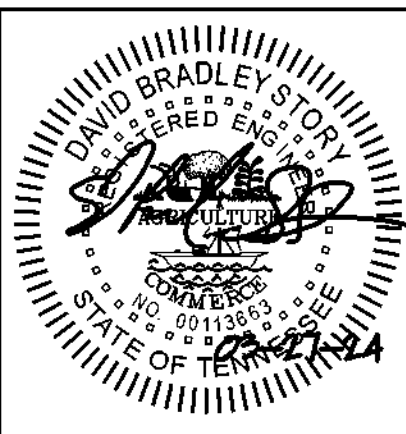
3 KEY PLAN
SCALE: NONE



NO.	DATE	BY	DESCRIPTION
1	02/27/24	EST	REVISIONS PER OWNER

CONSULTANT

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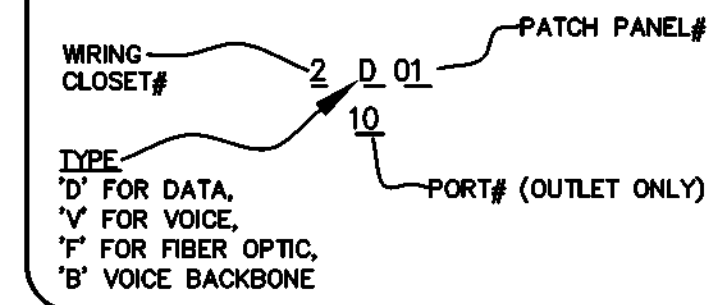
SECURITY/DATA PLAN

CLASSROOM ADDITION TO DYER COUNTY JAIL
for
Dyer County, Tennessee
Dyersburg, Tennessee

SECURITY SYSTEM LEGEND

- [E-1] EXTERIOR SURVEILLANCE CAMERA: UNIT PROVIDED, MOUNTED, AND WIRED BY ESSC. CONTRACTOR SHALL FURNISH AND INSTALL A SINGLE GANG BOX WITH 3/4" CONDUIT TO RM #K315. COORD. WITH ESSC FOR APPROPRIATE MTG HT.
 - [I-1] INTERIOR SURVEILLANCE CAMERA: UNIT PROVIDED, MOUNTED, AND WIRED BY ESSC. SEE CAMERA MOUNTING DETAIL.
 - [PT-1] INTERIOR SURVEILLANCE PAN/TILT CAMERA: UNIT PROVIDED, MOUNTED, AND WIRED BY ESSC. SEE CAMERA MOUNTING DETAIL.
 - [S] INTERIOR SPEAKER: UNIT PROVIDED, MOUNTED, AND WIRED BY ESSC. FURNISH 3/4" TO RM #K315
 - [DLA] DOOR LOCK AND/OR ALARM CONTROL: SEE DOOR CONTROL DETAIL FOR ROUGH-IN.
 - [IC] INTERCOM: UNIT PROVIDED, MOUNTED, AND WIRED BY ESSC. SEE INTERCOM DETAIL FOR ROUGH-IN.
- NOTE: ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER AND DEC/ESSC FOR EQUIPMENT MOUNTING HEIGHTS, EXACT LOCATIONS AND ANY OTHER COORDINATION ISSUES.

NUMBERING SCHEME



ALL SECURITY & DATA CABLES SHALL TERMINATE IN THE EXISTING CONTROL ROOM. SEE DETAIL 3 (KEY PLAN) ON SHEET E4.1 FOR APPROXIMATE DISTANCES. COORDINATE DETAILS WITH OWNER PRIOR TO BID.

RATED WALL LEGEND



ELECTRICAL SPECIAL SYSTEMS MATRIX

CONTRACT SYSTEM DESCRIPTION	DEVICE BOXES & RACEWAYS W/ PULL STRINGS	CABLING INSTALLATION & TERMINATIONS	RACKS, PATCH PANELS, TERMINATION BLOCKS, ETC.	SYSTEM EQUIPMENT
FIRE ALARM SYSTEM	CFCI	CFCI	CFCI	CFCI
PHONE SYSTEM - CAT 6	CFCI	CFCI (2)	CFCI	CFCI
DATA SYSTEM - CAT 6	CFCI	CFCI (2)	CFCI	CFCI
VIDEO SURVEILLANCE SYSTEM	CFCI	CFCI (1)	CFCI (1)	CFCI (1)
ACCESS CONTROL SYSTEM	CFCI	CFCI (1)	CFCI (1)	CFCI (1)
SECURITY SYSTEM	CFCI	CFCI (1)	CFCI (1)	CFCI (1)

- CFCI - CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
 - OFCI - OWNER FURNISHED, CONTRACTOR INSTALLED
 - OCFI - OWNER FURNISHED, OWNER INSTALLED
 - NIC - NOT IN CONTRACT
- (1) TO BE FURNISHED UNDER G.C. CONTRACT BY DEC/ESSC SUBCONTRACTOR. E.C. SHALL FURNISH AND INSTALL ALL REQUIRED ROUGH-INS OF BOXES AND CONDUITS.
(2) CONTRACTOR SHALL CERTIFY CABLE TERMINATIONS AND PROVIDE A TEST REPORT TO OWNER.

COMMUNICATIONS WIRING LEGEND

TAG	DISTRIBUTION CABLE TYPE	TERMINATION TYPE
"1V"	CATEGORY 6, 24 AWG, 4-PAIR NON-PLENUM DATA CABLE	CATEGORY 6 JACK ON PATCH PANEL
"1D"	CATEGORY 6, 24 AWG, 4-PAIR NON-PLENUM DATA CABLE	CATEGORY 6 JACK ON PATCH PANEL

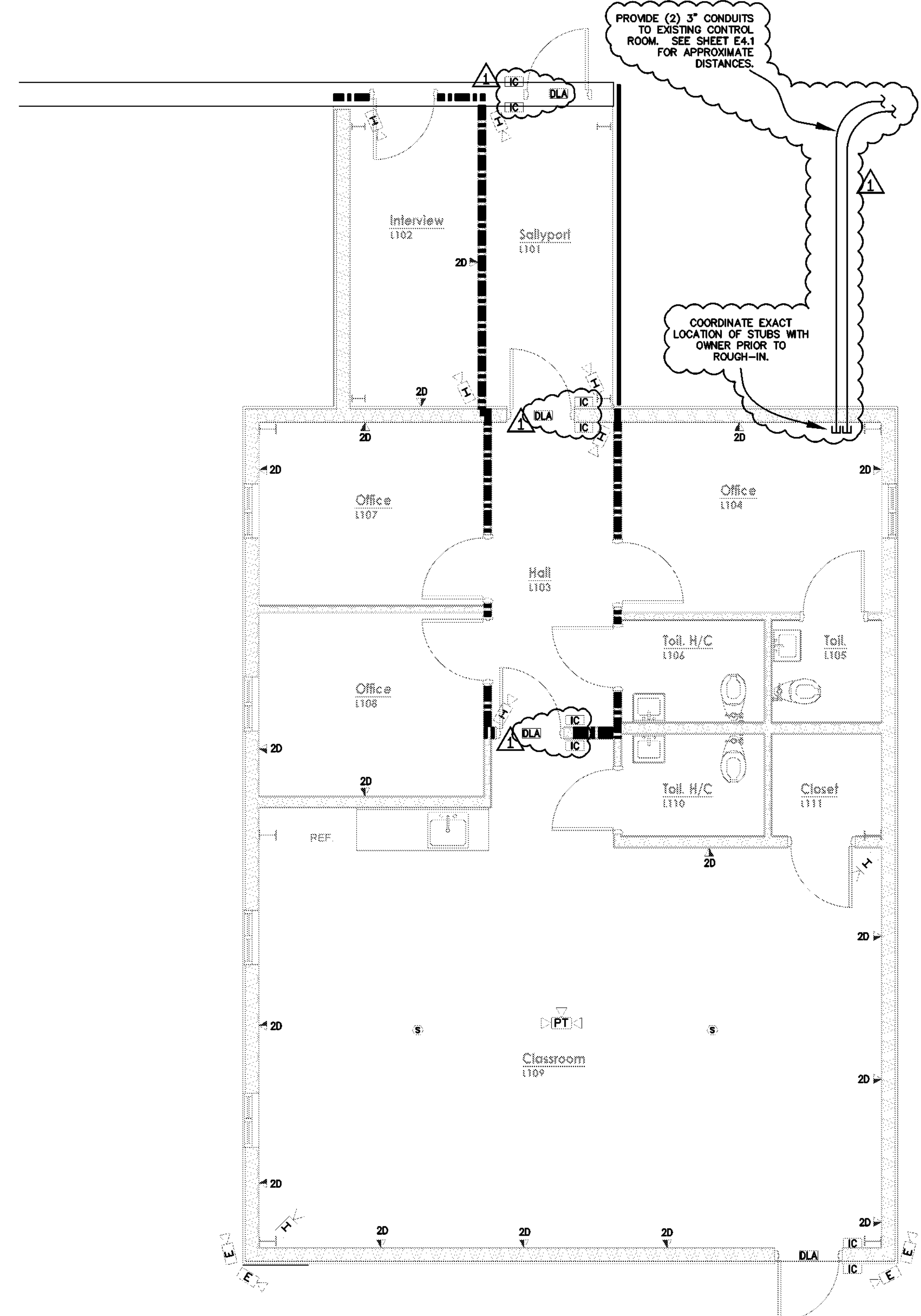
NUMBER REPRESENTS QUANTITY OF CABLES TO BE FURNISHED AND INSTALLED

NOTES FOR COMMUNICATIONS MATERIALS

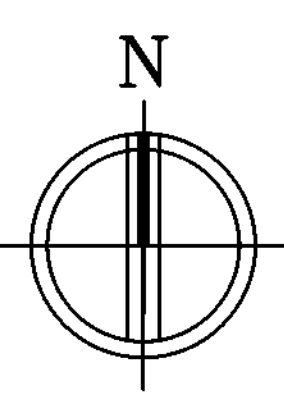
- ALL VOICE/DATA CABLES AND CABLING COMPONENTS SHALL BE A MINIMUM OF CATEGORY 6. SEE SPECIFICATIONS. LINK TO BE TESTED/CERTIFIED WITH A LEVEL 2 CABLE TESTER. ALL DATA CABLES SHALL BE TERMINATED ON A JACK AT THE WORKSTATION LOCATION AND AT A PATCH PANEL AT THE DISTRIBUTION LOCATION.
- ALL JACKS SHALL BE ATTACHED TO A FACEPLATE. FACEPLATE COLOR SELECTED BY ARCHITECT - JACK COLORS PER MADISON SCHOOLS IT DEPARTMENT.
- ALL CABLES, EXCEPT IN DISTRIBUTION ROOMS, SHALL BE CONCEALED IN WALL OR ABOVE CEILINGS AND IN CONDUIT OR CABLE TRAY. CABLES SHALL NOT BE ATTACHED TO CONDUIT(S) FOR SUPPORT OR ALLOWED TO SAG ONTO CEILING TILE.
- FIRE WALL PENETRATIONS SHALL UTILIZE SELF-SEALING SLEEVES. FIRE STOP AS REQUIRED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LABEL EACH VOICE/DATA CONNECTION WITH A MECHANICALLY GENERATED LABEL - EACH WALL PLATE SHALL BE LABELED ACCORDINGLY. DO NOT HAND WRITE LABEL.
- MAXIMUM LENGTH OF RUN FOR DATA CABLING IS 100 METERS (328'-0"). FIBER RUNS SHALL BE NO LONGER THAN 1500 FEET.
- ALL PATCH PANELS SHALL BE CATEGORY 6. (24 OR 48 PORT ONLY)
- RELAY RACKS/CABINETS SHALL BE GROUNDED TO SYSTEM GROUND.
- THERE SHALL BE NO SPLICES IN THE FIBER OPTIC CABLING.
- FURNISH AND INSTALL PULL STRINGS IN ALL COMMUNICATIONS CONDUITS.
- PROVIDE PATCH PANEL QUANTITIES TO ALLOW FOR 20% FUTURE DISTRIBUTION.

SPECIFICATIONS/NOTES FOR ACCESS CONTROL SYSTEM

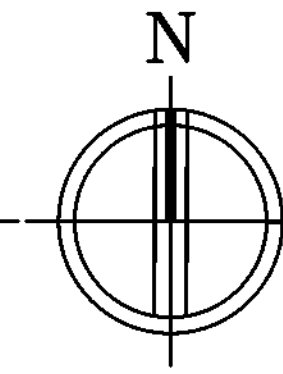
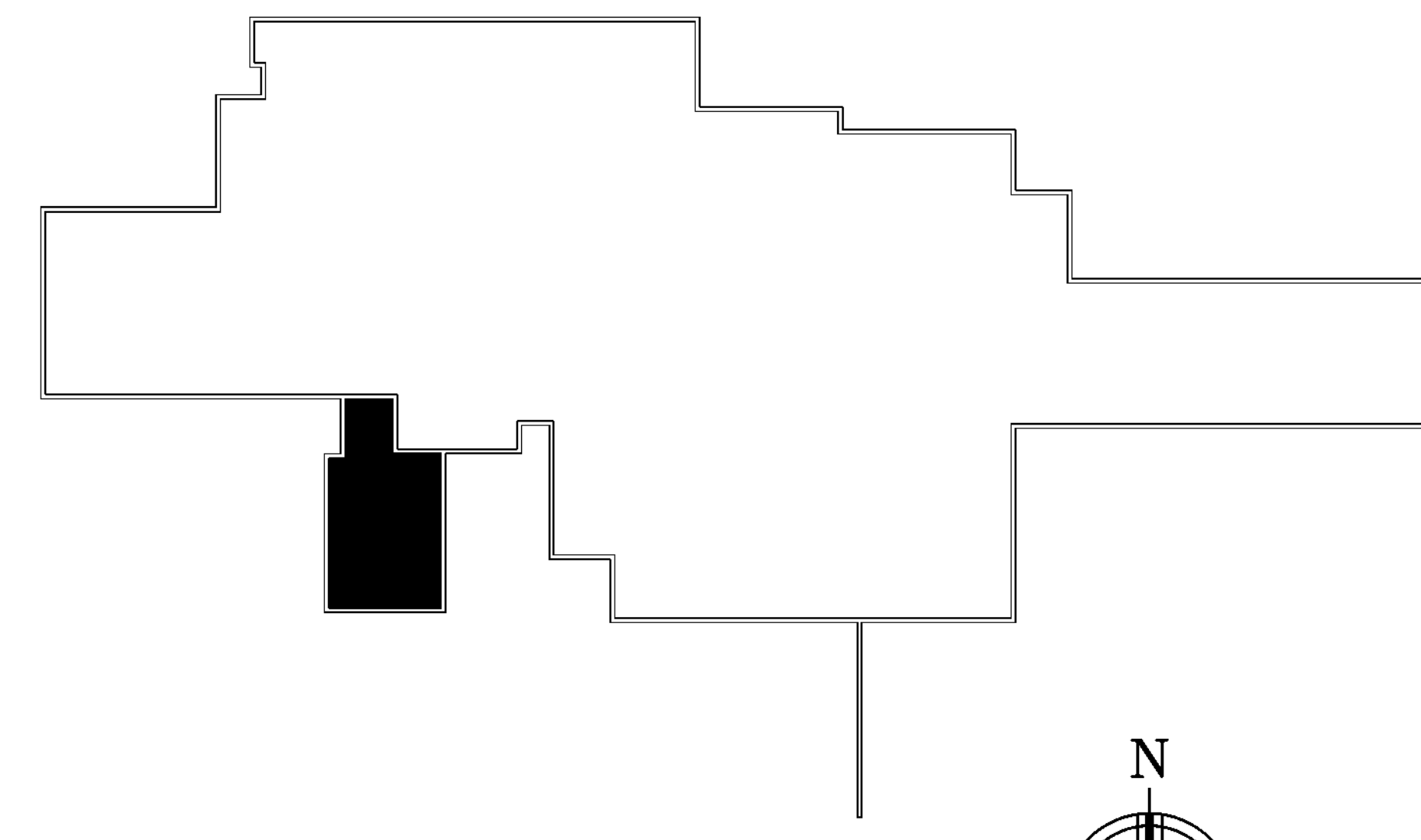
- DOOR READERS SHALL USE A PROXIMITY STYLE READER.
- SYSTEM WILL ONLY REQUIRE ONE ZONE LEVEL ACCESS.
- SYSTEM SHALL UTILIZE A WEB-BASED INTERFACE FOR MONITORING AND CONFIGURATION.
- SYSTEM MAY BE IP BASED OR UTILIZE SOME OTHER SYSTEM ARCHITECTURE AT CONTRACTOR'S CHOOSING.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL BOXES, CONDUITS, CABLING, EQUIPMENT, SOFTWARE, & PROGRAMMING REQUIRED FOR A FULLY OPERATIONAL SYSTEM.
- CONTRACTOR SHALL FURNISH OWNER TRAINING SESSION.
- ALL CABLING SHALL BE CONCEALED IN CONDUIT.
- SYSTEM SHALL BE ABLE TO CONTROL AT LEAST 8 DOORS AND BE CAPABLE OF FUTURE EXPANSION.
- SYSTEM SHALL BE EQUAL TO HONEYWELL NETAXS-4 WITH A DELUXE STANDARD ENCLOSURE AND OMNIPROX SERIES READERS.



1 SECURITY/DATA PLAN
SCALE: 1/4" = 1'-0"



2 KEY PLAN
SCALE: NONE



REVISIONS	
NO.	DATE
1	02/27/24

DESCRIPTION: REVISIONS PER OWNER

BY: EBT

DATE: 02/27/24

NO.: 1

CONSULTANT

PANELBOARD NAME:	VOLTAGE: 480 /277	MAIN: 100 MLO	FEATURES:																
NL2	PHASE: 3	MOUNTING: SURFACE																	
LOCATION:	WIRES: 4	NEUTRAL BUS: COPPER-100%																	
CLASSROOM CLOSET	BUS AMPS: 100	A.I.C. 10,000																	
FED FROM: EXISTING SWITCHBOARD 'DPH'																			
ISOLATED GROUND BUS: NO																			
CIRCUIT DESCRIPTION	LTG	REC	COOL	HEAT	EQ	AMP/POLE	WIRE	CCT	PHASE	CCT	WIRE	AMP/POLE	LTG	REC	COOL	HEAT	EQ	CIRCUIT DESCRIPTION	
CONDENSING UNIT CU-1		2				15/3**			1	A	2							2	CONDENSING UNIT CU-2
LIGHTS - INTERVIEW, SALLYPORT	0.2					20/1			7	A	8		3		3.1				TRANSFORMER XNP2
LIGHTS - OFFICES, RESTROOMS	0.5					20/1			9	B	10	60/3	1.8		0.1				
LIGHTS - CLASSROOM	0.3					20/1			11	C	12		1.8						
SPARE						20/1			13	A	14	20/1							
SPARE						20/1			15	B	16	20/1							
SPARE						20/1			17	C	18	20/1							
SPARE						20/1			19	A	20	20/1							
SPARE						20/1			21	B	22	20/1							
SPARE						20/1			23	C	24	20/1							
SPARE									25	A	26								
SPARE									27	B	28								
SPARE									29	C	30								

** SHALL BE AN HACR BREAKER

CONNECTED KVA LOAD	DEMANDED KVA LOAD	CONNECTED KVA/PHASE	TOTAL LOADS
LIGHTING 1	1.25% 1.25 (PER NEC TABLE 220.12)	10.3 PHASE A	23.2 TOTAL CONNECTED KVA
RECEPTACLE 6.6	50% 6.6 (50% DEMAND ABOVE 10KVA)	6.6 PHASE B	23.45 TOTAL DEMAND KVA
HVAC - COOLING 15.2	100% 15.2 (USE LARGER OF HEAT/COOL)	6.3 PHASE C	
HVAC - HEATING 0	0% 0		
EQUIPMENT 0.4	100% 0.4		
			PANEL DESIGN AMPS 100

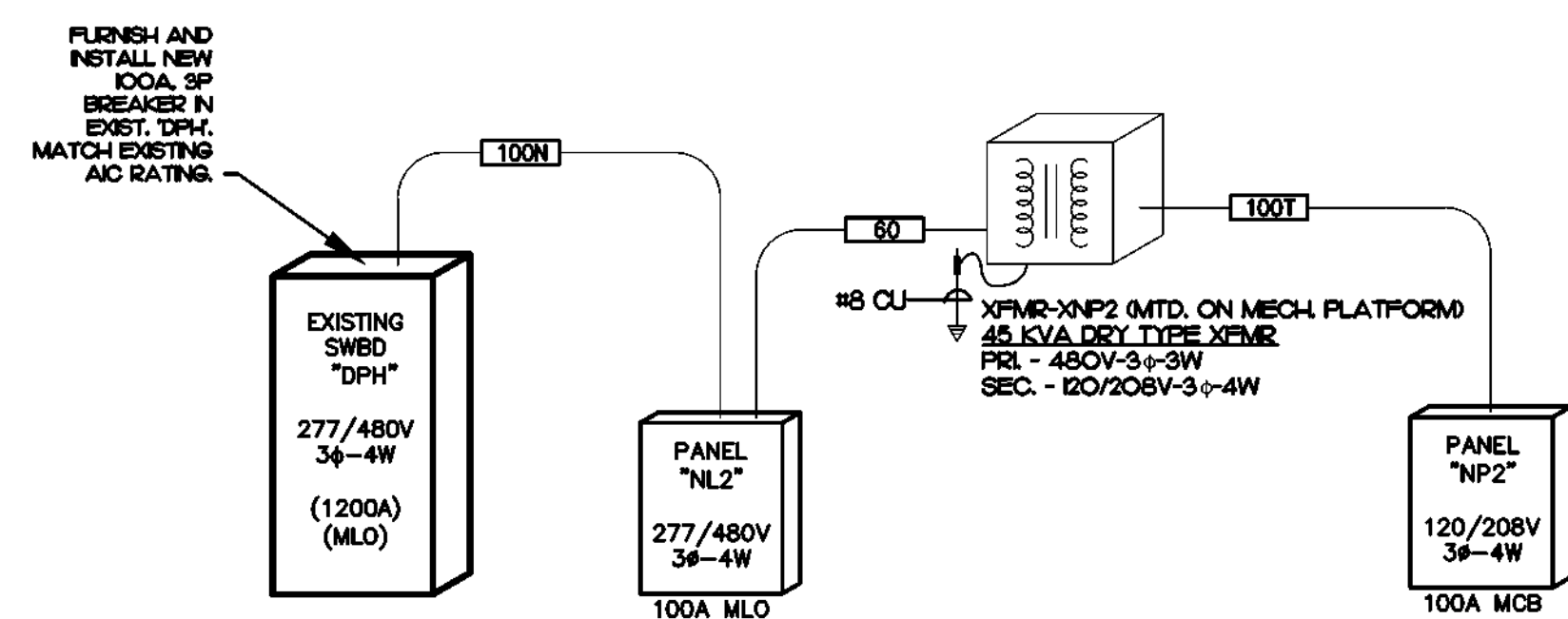
PANELBOARD NAME:	VOLTAGE: 208 /120	MAIN: 100 MCB	FEATURES:																
NP2	PHASE: 3	MOUNTING: SURFACE																	
LOCATION:	WIRES: 4	NEUTRAL BUS: COPPER-100%																	
CLASSROOM CLOSET	BUS AMPS: 100	A.I.C. 10,000																	
FED FROM: NL2 THRU XNP2																			
ISOLATED GROUND BUS: NO																			
CIRCUIT DESCRIPTION	LTG	REC	COOL	HEAT	EQ	AMP/POLE	WIRE	CCT	PHASE	CCT	WIRE	AMP/POLE	LTG	REC	COOL	HEAT	EQ	CIRCUIT DESCRIPTION	
RECPTS - INTERVIEW, SALLYPORT	0.7					20/1			1	A	2								RECPTS - OFFICE, HALL
RECPTS - OFFICE	0.7					20/1			3	B	4								RECPTS - RR, EXT, ELEC
RECPTS - OFFICE	0.7					20/1			5	C	6								RECPTS - CLASSROOM
REFRIGERATOR	0.8					20/1*			7	A	8								RECPTS - CLASSROOM
RECPT - COUNTER	0.2					20/1			9	B	10					0.1			RR EXHAUST FANS
RECPTS - CLASSROOM	0.5					20/1			11	C	12								RECEPT - GAS WATER HEATER GWH-1
FURNACE F-1			1.5			20/1			13	A	14								FURNACE F-2
FIRE/SMOKE DAMPERS				0.2		20/1#			15	B	16								SPARE
SPARE						20/1			17	C	18								SPARE
SPARE						20/1			19	A	20								SPARE
SPARE						20/1			21	B	22								SPARE
SPARE						20/1			23	C	24								SPARE
SPARE									25	A	26								
SPARE									27	B	28								
SPARE									29	C	30								

* SHALL BE A GFCI BREAKER
SHALL BE A RED FIREALARM BREAKER WITH LOCKING MECHANISM

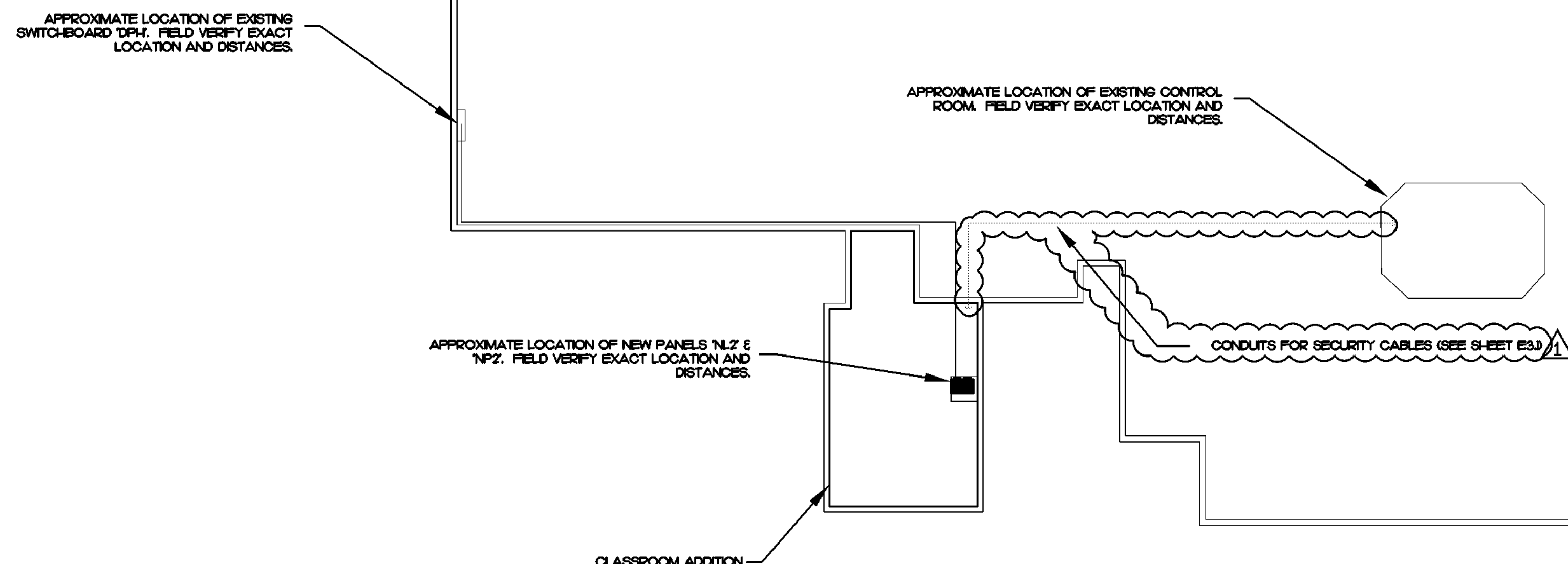
CONNECTED KVA LOAD	DEMANDED KVA LOAD	CONNECTED KVA/PHASE	TOTAL LOADS
LIGHTING 0	125% 0 (PER NEC TABLE 220.12)	6.1 PHASE A	10.2 TOTAL CONNECTED KVA
RECEPTACLE 6.6	50% 6.6 (50% DEMAND ABOVE 10KVA)	2.1 PHASE B	10.2 TOTAL DEMAND KVA
HVAC - COOLING 3.2	100% 3.2 (USE LARGER OF HEAT/COOL)	2 PHASE C	
HVAC - HEATING 0	0% 0		
EQUIPMENT 0.4	100% 0.4		
			PANEL DESIGN AMPS 100

1 PANEL SCHEDULES
SCALE: NONE

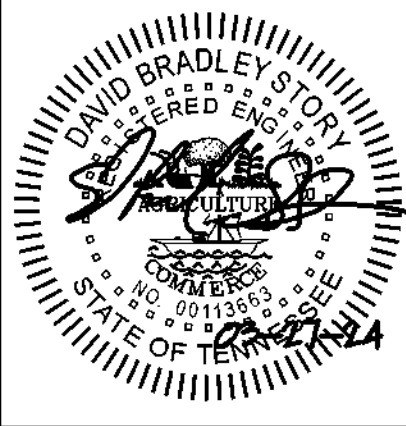
100N	1 @ 1-1/2"	(3) #1 AWG	(1) #1 AWG	(1) #8 AWG
100T	1 @ 1-1/2"	(3) #1 AWG	(1) #1 AWG	(3) #8 AWG
60	1 @ 1"	(3) #4 AWG	(NONE)	(1) #10 AWG



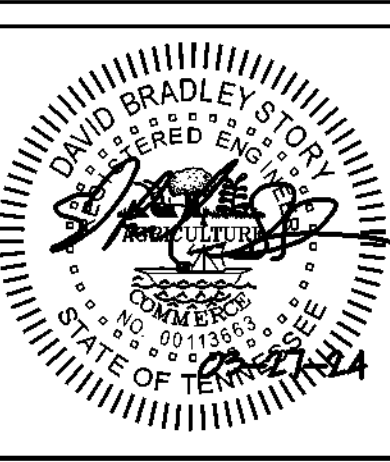
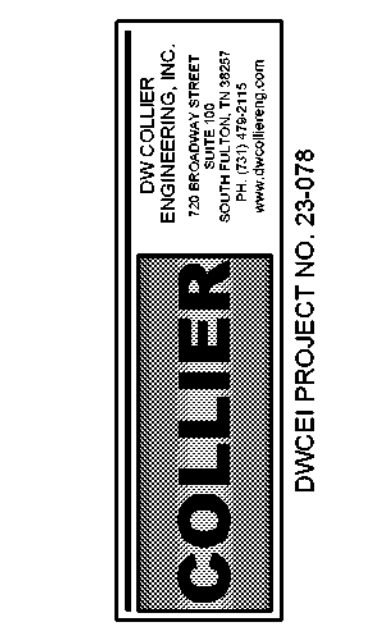
2 ONE-LINE
SCALE: NONE



3 KEY PLAN
SCALE: 1" = 20'-0"

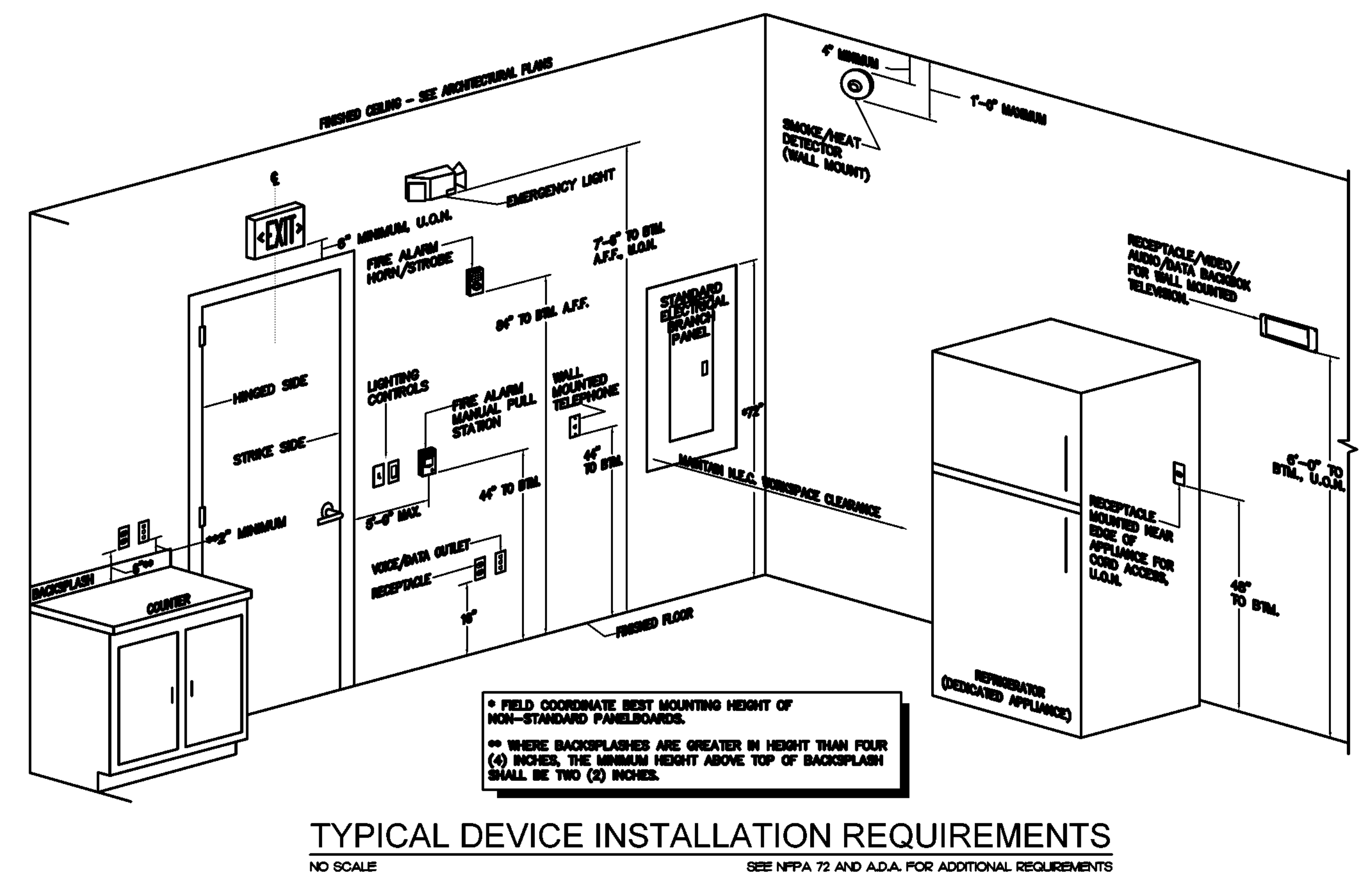


NO.	DATE	BY	DESCRIPTION
1	02/27/24	EST	REVISOR'S COMMENT

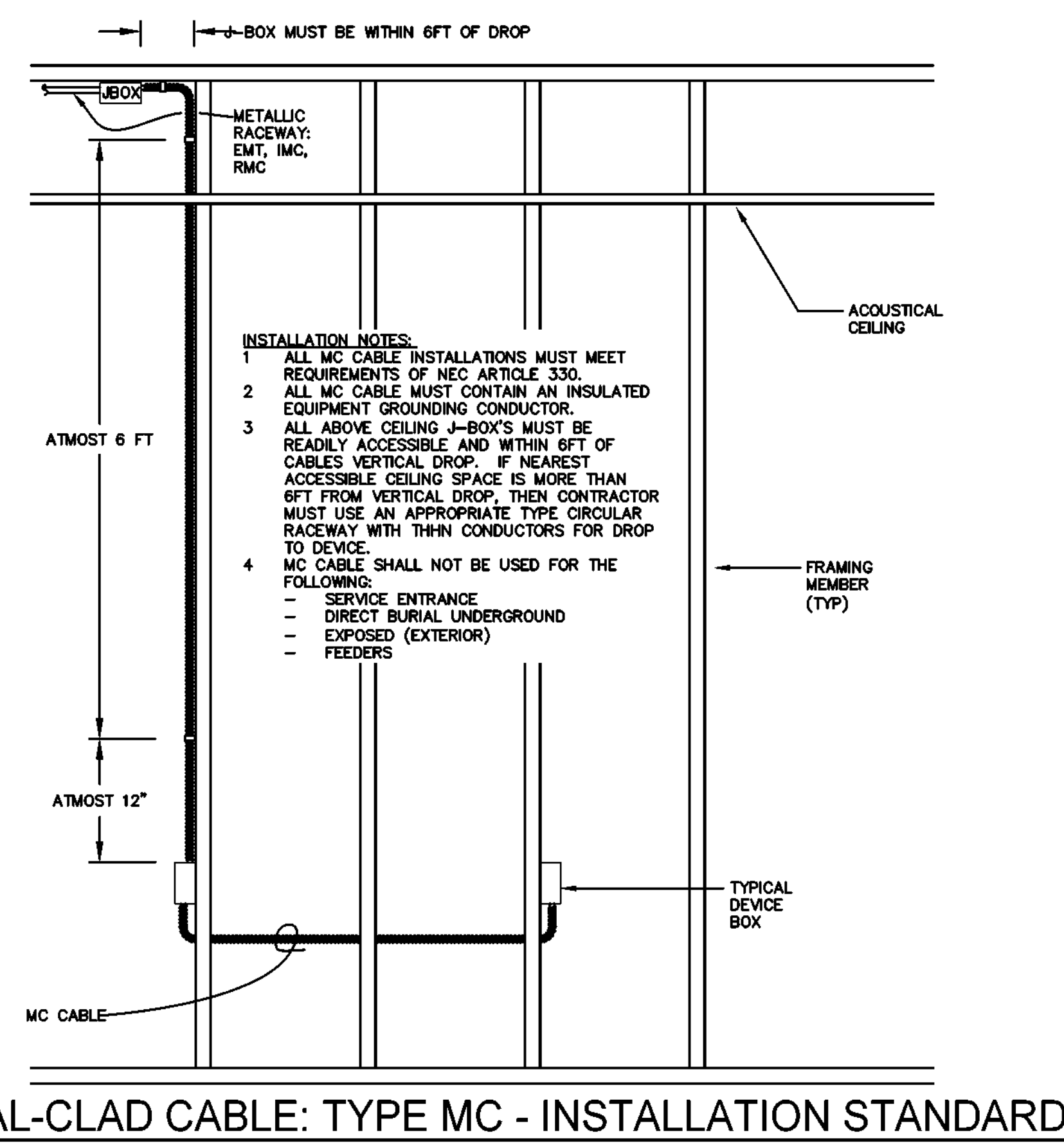


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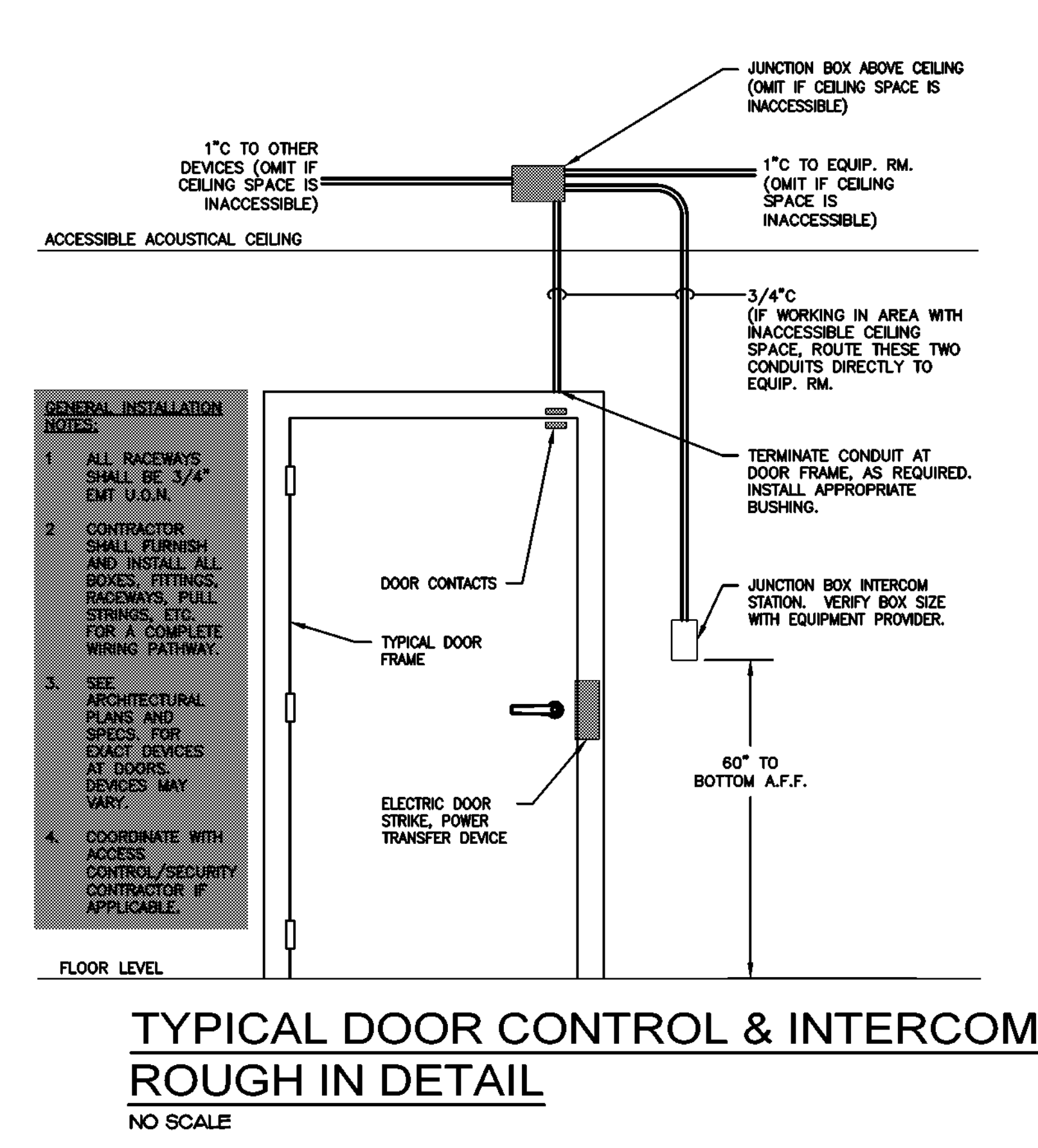
ELECTRICAL DETAILS
CLASSROOM ADDITION TO DYER COUNTY JAIL
for
Dyer County, Tennessee
Dyersburg, Tennessee



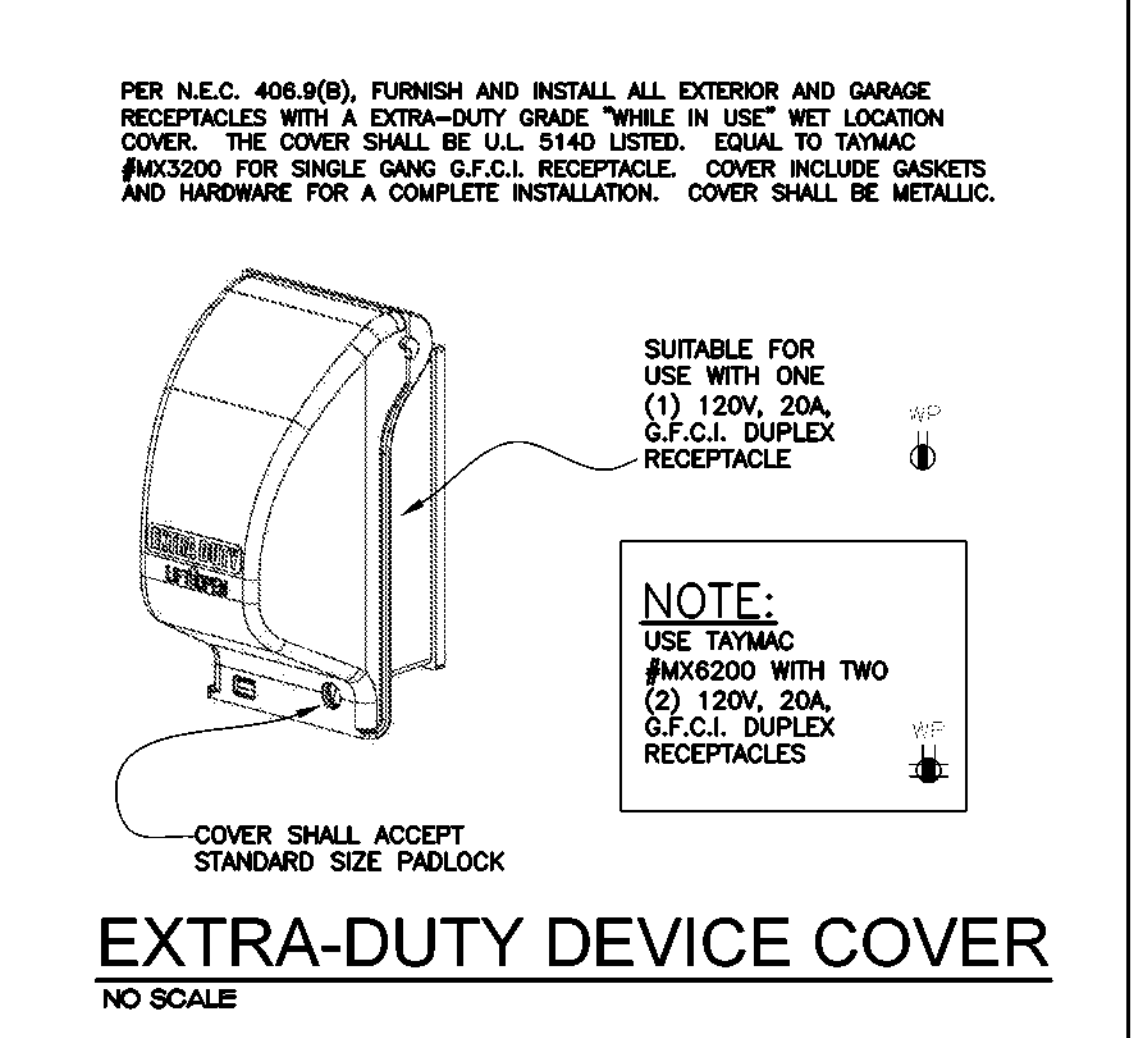
TYPICAL DEVICE INSTALLATION REQUIREMENTS
NO SCALE
SEE NFPA 72 AND A.D.A. FOR ADDITIONAL REQUIREMENTS



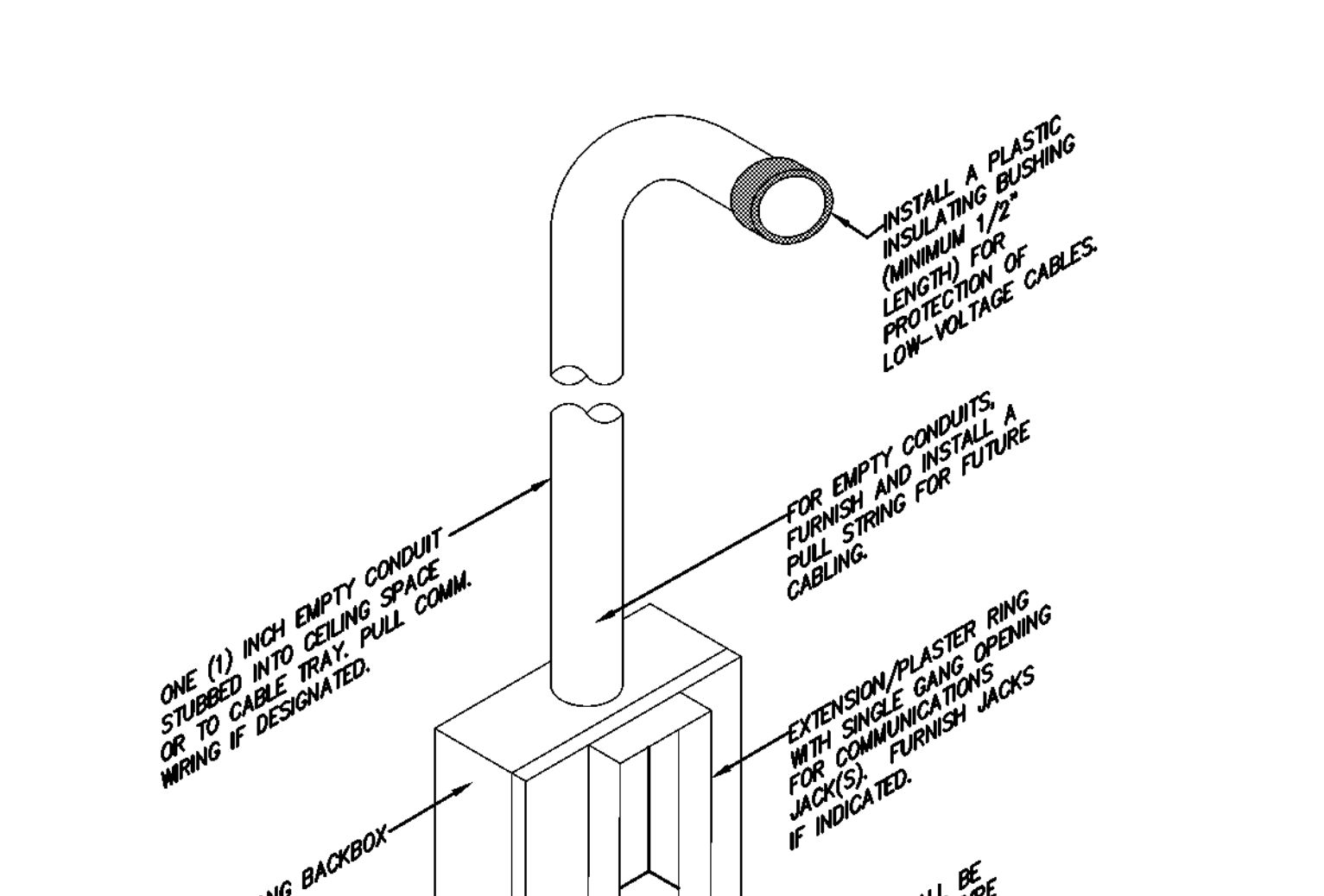
METAL-CLAD CABLE: TYPE MC - INSTALLATION STANDARD
NO SCALE



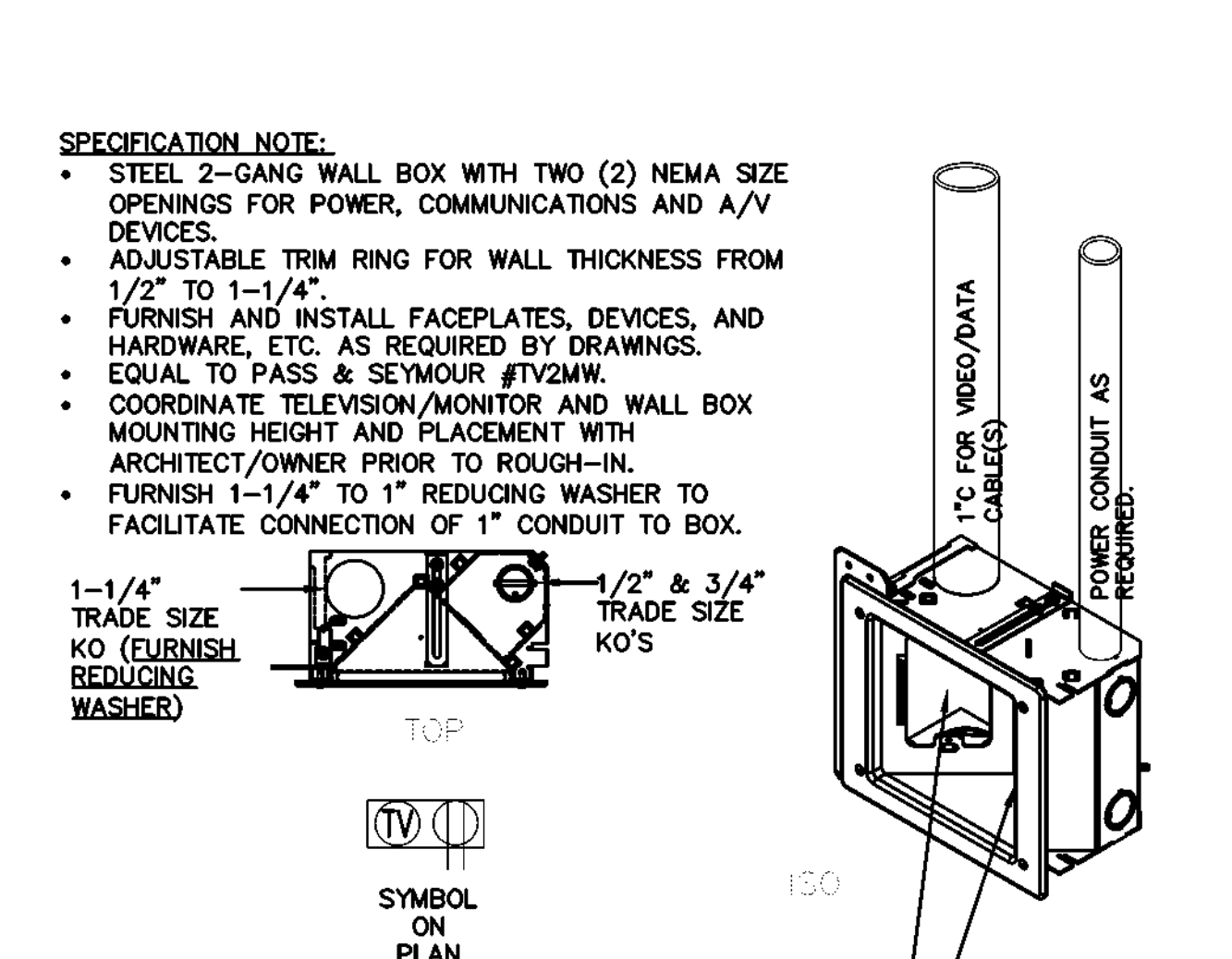
TYPICAL DOOR CONTROL & INTERCOM ROUGH IN DETAIL
NO SCALE



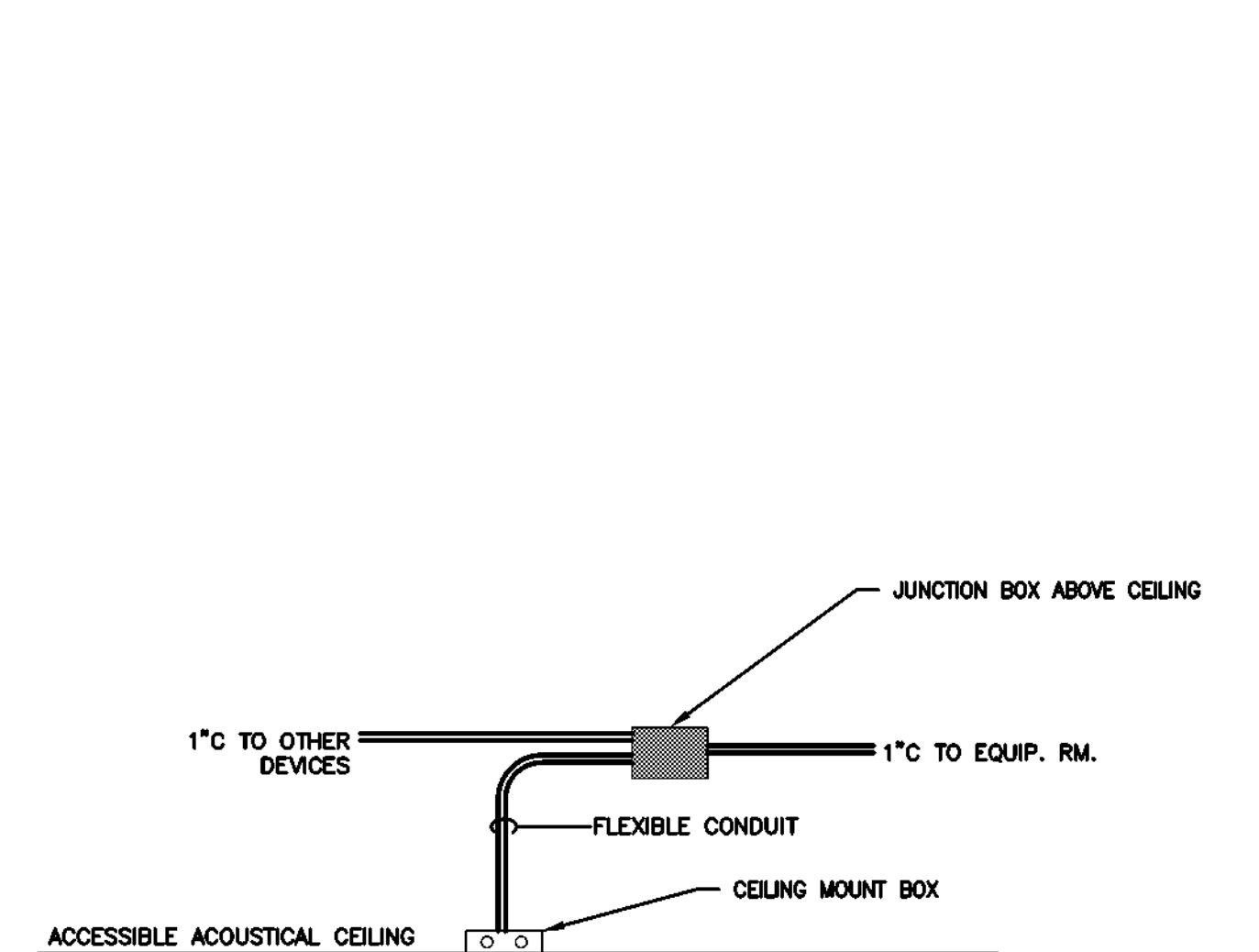
EXTRA-DUTY DEVICE COVER
NO SCALE



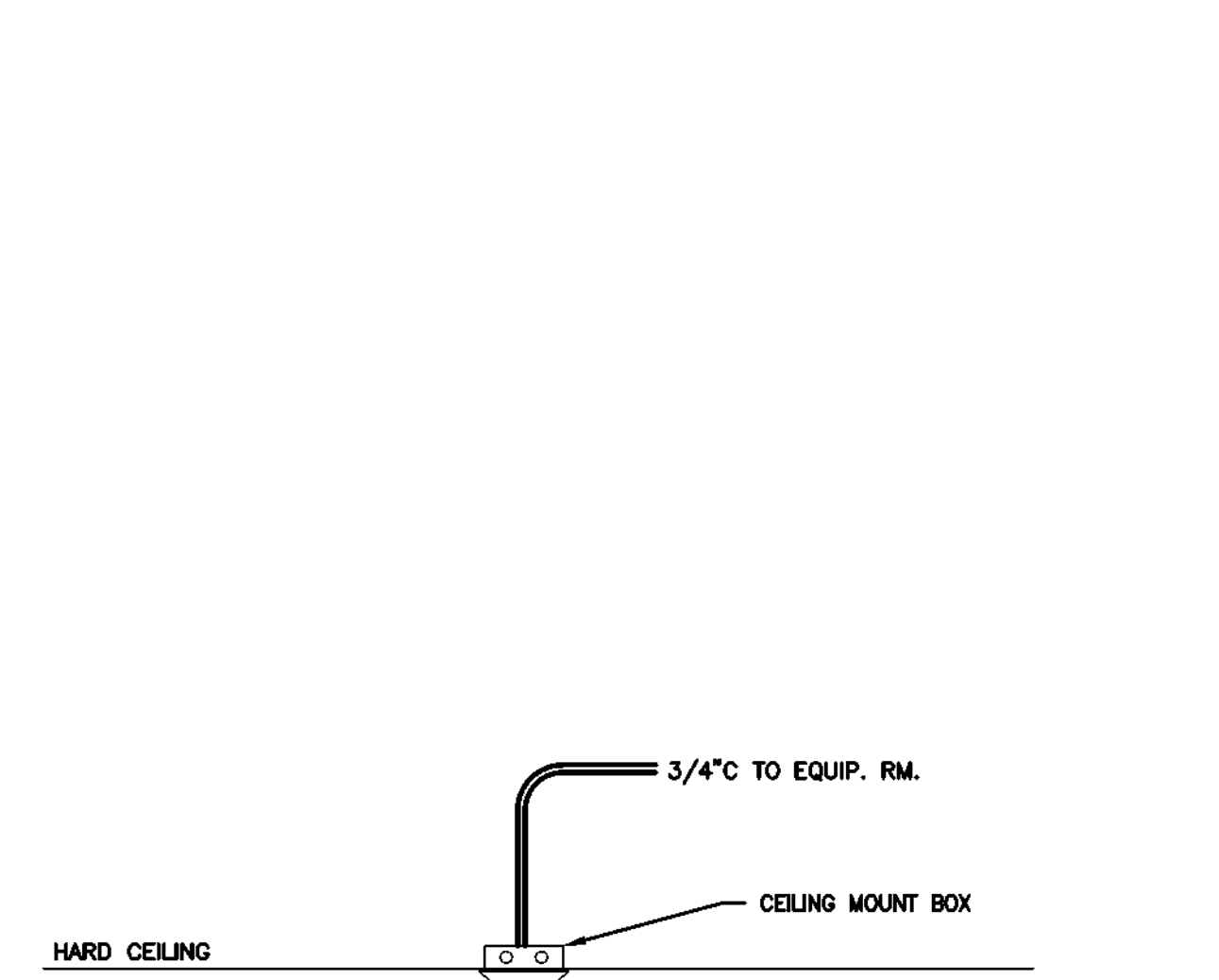
COMMUNICATIONS OUTLET - DETAIL
NO SCALE



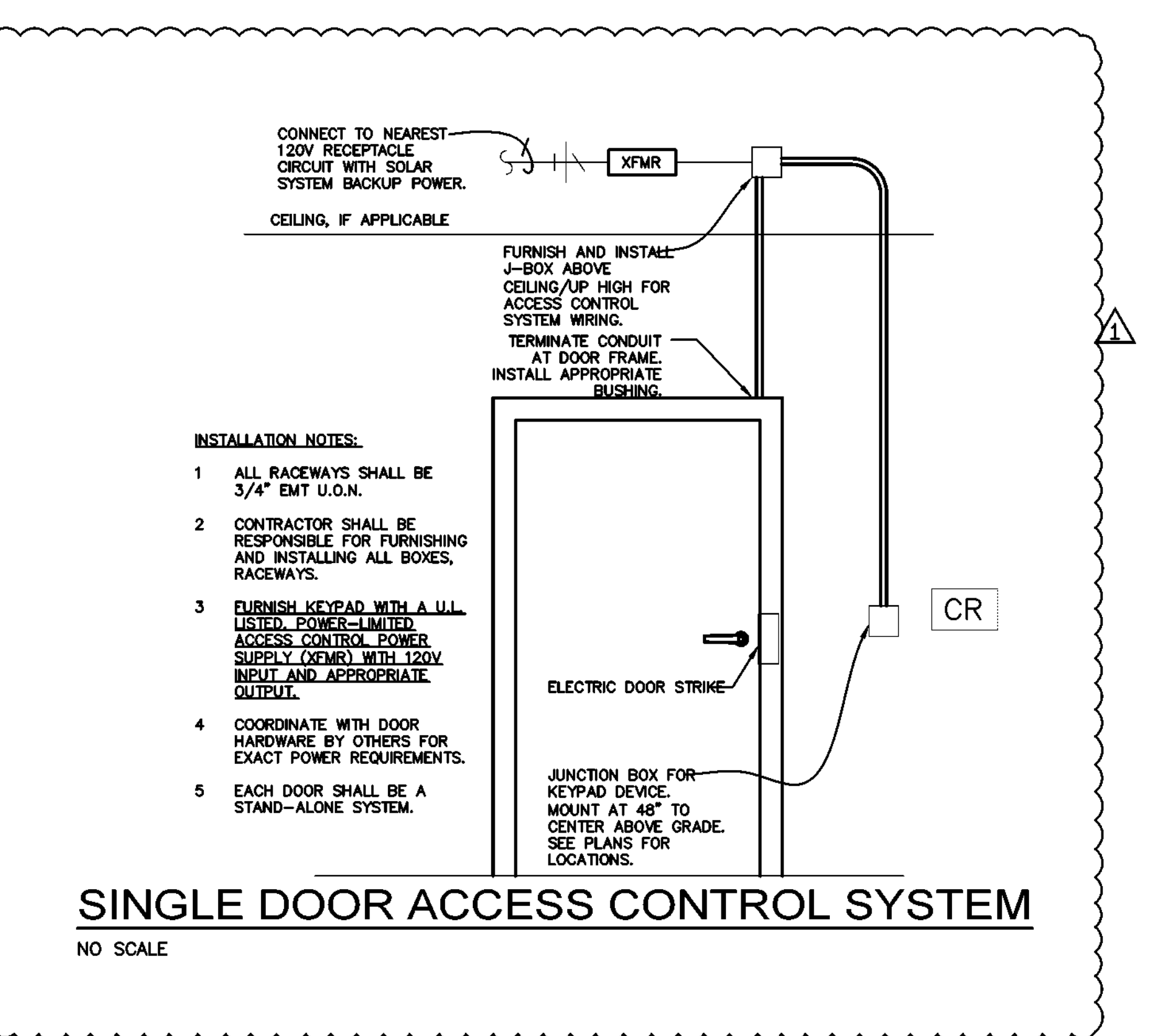
FLAT TV / MONITOR BACKBOX DETAIL
NO SCALE



CAMERA ROUGH IN DETAIL - ACCESSIBLE CEILING SPACE
NO SCALE



CAMERA ROUGH IN DETAIL - IN-ACCESSIBLE CEILING SPACE
NO SCALE



SINGLE DOOR ACCESS CONTROL SYSTEM
NO SCALE

