

RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE

100 PRISCILLA D. THOMAS WAY
SAVANNAH, GA 31408

SET D2
FIELDHOUSE &
GRANDSTANDS



BID SET
05/12/2023
5201-192070



CIVIL

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2 E Bryan Street
Suite 501
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LANDSCAPE

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STADIUM DESIGN

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RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE

100 PRISCILLA D. THOMAS WAY
SAVANNAH, GA 31408

BID SET
05/12/2023
5201-192070

SAVANNAH-CHATHAM
COUNTY PUBLIC SCHOOL
SYSTEM



RFP C24-01LETIC
GROVES ATHLETIC
FIELDS &JSE
FIELDHOUSE



321 WEST CONGRESS STREET SUITE 301
SAVANNAH, GEORGIA 31401
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REVISIONS:

No.	Description	Date

PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: KAS
CHECKED BY: AWM

PROJECT
INFORMATION
SHEET

G-002

BID SET

FACILITY CAPACITY

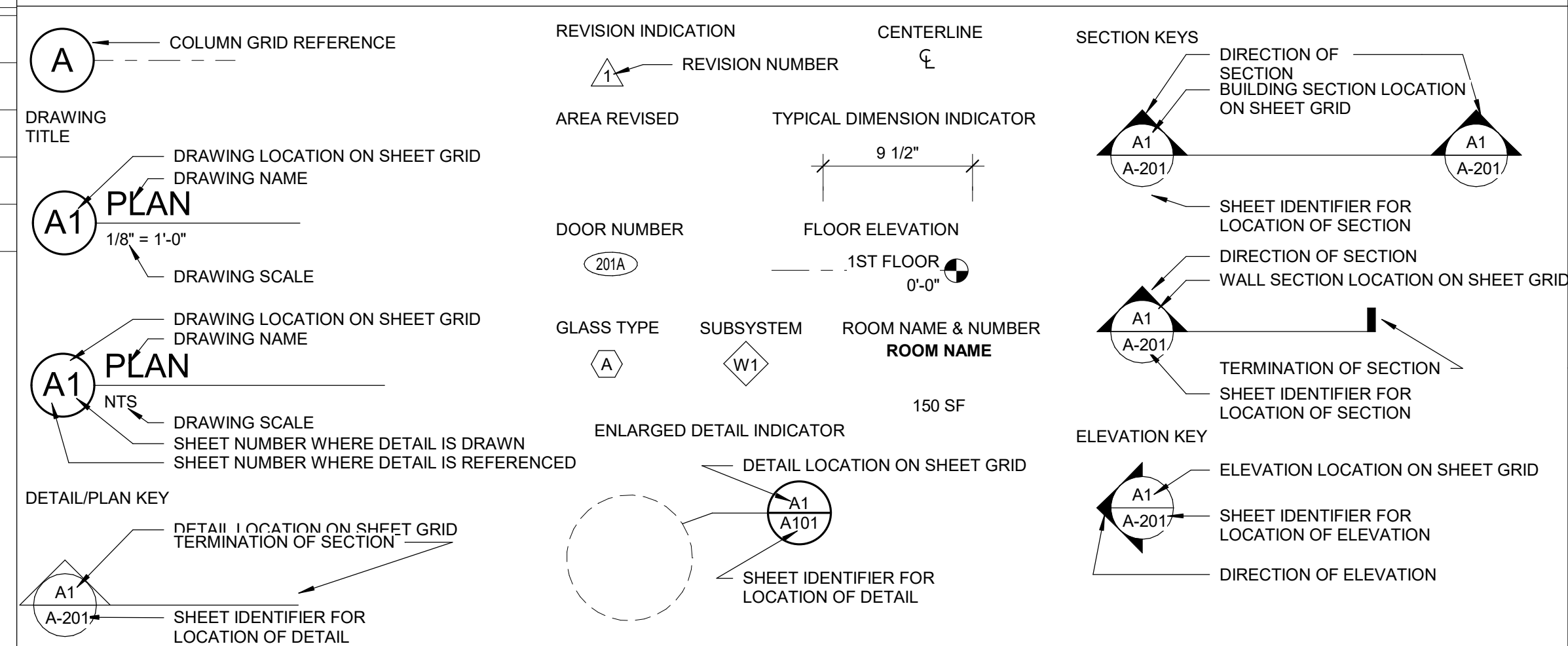
SPACE	ACTUAL NET SQUARE FOOTAGE	REQUIRED NET SQUARE FOOTAGE
FIELDHOUSE	10,047 TOTAL	6,425 TOTAL
TICKET OFFICE	130 EACH	50 EACH
TEAM ROOMS	1,153-1,171	1,200 EACH
RESTROOMS	234 EACH	200 EACH
SHOWERS	51 EACH	50 EACH
EQUIPMENT STORAGE	575	300
VISITORS' RESTROOM	350-723	250 EACH
HOME RESTROOM	350-723	750 EACH
JANITOR'S CLOSET	67	60
ELECTRICAL ROOM	67	60
CONCESSIONS	574	275

MATERIAL LEGEND

(NOT ALL MATERIALS APPLICABLE)

PLAN AND SECTION	STEEL, IRON	PLASTER, CEMENT, SAND, GROUT	WOOD BLOCKING
EARTH	ALUMINUM	BATT/LOOSE FILL INSULATION	ELEVATION
POROUS FILL (STONE OR GRAVEL)	WOOD (ROUGH)	EXTRUDED POLYSTYRENE	BRICK
LIGHTWEIGHT CONCRETE (OR CONCRETE FILL)	PLYWOOD	GYPSUM WALLBOARD	CONCRETE / PLASTER / STUCCO
STRUCTURAL CONCRETE (CAST IN PLACE, ETC.)	BRICK (COMMON OR FACE)	CONC. MASONRY UNITS (C.M.U.)	GLASS

GRAPHIC SYMBOL LEGEND



PLUMBING FIXTURE CRITERIA

GRANDSTANDS MEMBERSHIP: 3,109	LAVS		URINALS		W.C.	
	MEN	WOMEN	MEN	WOMEN	MEN	WOMEN
TOTAL FIXTURES REQUIRED	8	11	-	-	21	39
TOTAL BATTERY FIXTURES PROVIDED	8	16	12	10	10	40

FIELDHOUSE MEMBERSHIP: 393	LAVS		URINALS		W.C.	
	MEN	WOMEN	MEN	WOMEN	MEN	WOMEN
TOTAL FIXTURES REQUIRED	6	-	-	-	9	-
TOTAL (SELF-CONTAINED) FIXTURES PROVIDED	7	-	0	-	7	-
TOTAL (BATTERY) FIXTURES PROVIDED	4	4	1	7	8	-

WATER COOLER REQUIREMENTS

GRANDSTANDS MEMBERSHIP: 3,109	REQUIRED	PROVIDED
	4	8 (INCLUDES EXT. OF FIELDHOUSE BLDG)

FIELDHOUSE MEMBERSHIP: 393	REQUIRED	PROVIDED
	4	8

FIELDHOUSE BUILDING SQUARE FOOTAGE LEGEND

FIRST FLOOR:	12,864 SQ. FT.
SECOND FLOOR:	13,122 SQ. FT.
GROSS BUILDING SQUARE FOOTAGE:	25,986 SQ. FT.
CONCESSIONS BUILDINGS (2):	1,878 SQ. FT. EACH

UDS SHEET DESIGNATORS AND SHEET ORDER

LEVEL 1 - DISCIPLINE DESIGNATORS	LEVEL 3 - SHEET TYPE DESIGNATORS	LEVEL 4 - PLAN TYPE DESIGNATORS
G GENERAL	F FIRE PROTECTION	0 GENERAL / OVERALL
C CIVIL	P PLUMBING	1 PLANS
L LANDSCAPE	M MECHANICAL	2 ELEVATIONS
S STRUCTURAL	E ELECTRICAL	3 SECTIONS
A ARCHITECTURAL	T TELECOM	4 LARGE SCALE VIEWS
QF FOOD SERVICE	SR SPORTS DESIGN	5 DETAILS
	SE SPORTS ELECTRICAL	6 SCHEDULES, OPENING DETAILS, HARDWARE
		7 FINISHES, MILLWORK, SIGNAGE

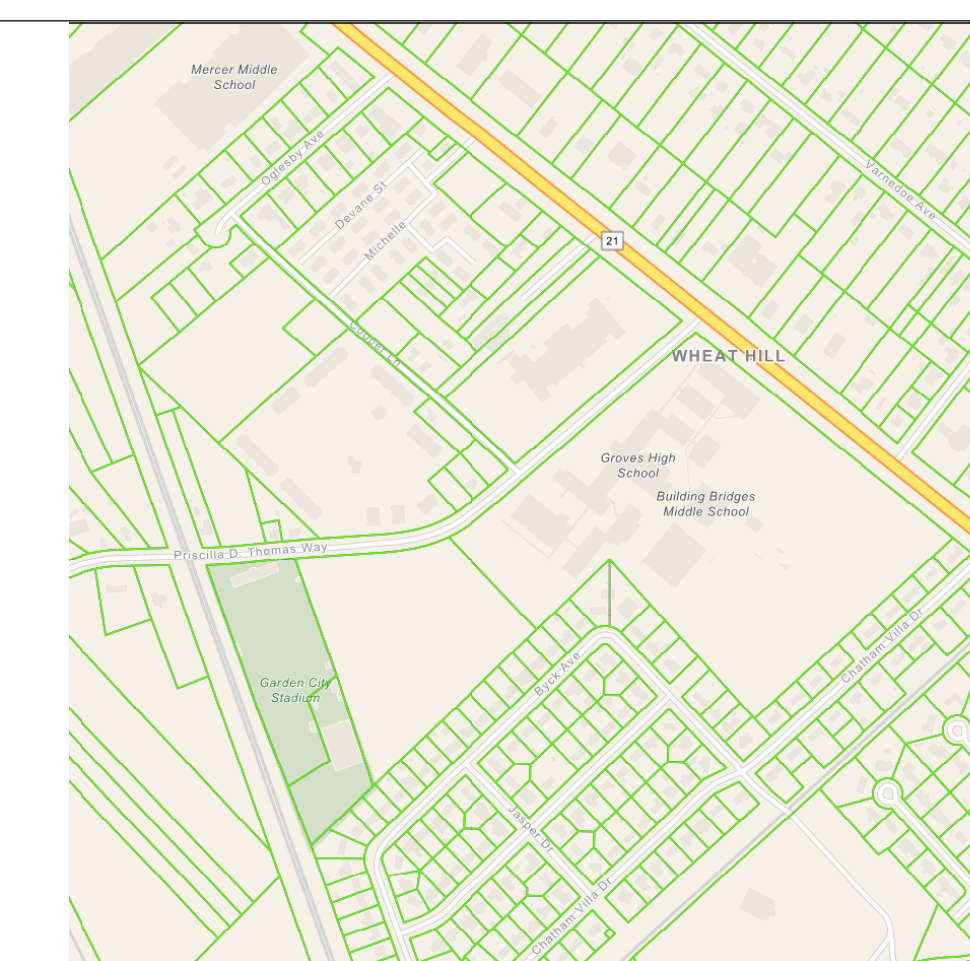
A-121

LEVEL 1 LEVEL 2 LEVEL 3 LEVEL 4 SEQUENCE

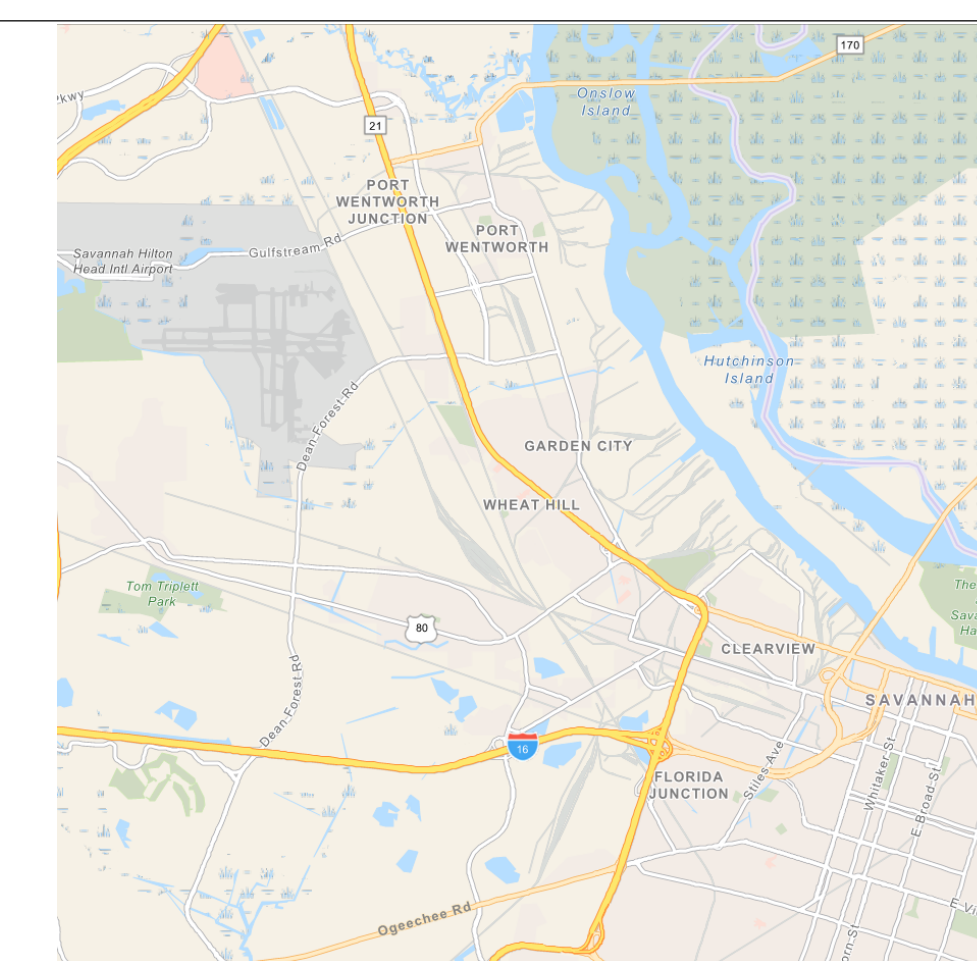
ABBREVIATIONS

A/C ADMIN	AIR CONDITIONING	EWC ELECTRIC WATER COOLER	MAX MAXIMUM	SD STORM DRAIN
AFF AFF	ADMINISTRATION	EXP JT EXPANSION JOINT	MECH MECHANICAL	SECT SECTION
ALT ALTERNATE	ABOVE FINISHED FLOOR	EXT EXTERIOR	MEZZ MEZZANINE	SF SQUARE FEET
ALUM ALUMINUM	ALTERNATE	F/F FACE TO FACE	MFG MANUFACTURING	SIM SIMILAR
ARCH ARCHITECTURAL	ALUM ALUMINUM	FD FLOOR DRAIN	MFR MANUFACTURER	SPEC SPECIFICATION
AUTO AUTOMATIC	ARCH ARCHITECTURAL	FE FIRE EXTINGUISHER	MIN MINIMUM	SPKR SPEAKER
AUX AUXILIARY	AUTO AUTOMATIC	FEC FIRE EXTINGUISHER CABINET	MO MASONRY OPENING	SQ SQUARE
AV AUDIO/VISUAL	AUX AUXILIARY	FF EL FINISH FLOOR ELEVATION	MR MOISTURE RESISTANT	SS STAINLESS STEEL
BITUM BITUMINOUS	AV AUDIO/VISUAL	FHC FIRE HOSE CABINET	MTD MOUNTED	STD STANDARD
BL BUILDING LINE	BITUM BITUMINOUS	FIN FLR FINISHED FLOOR	MTG MOUNTING	STOR STORAGE
BN BULL NOSE	BL BUILDING LINE	FLR FLOOR, FILLER	MTL METAL	SUSP SUSPENDED
BOS BOTTOM OF STEEL	BN BULL NOSE	FOC FACE OF CURB	N NORTH	SYS SYSTEM
BOT BOTTOM	BOS BOTTOM OF STEEL	FOF FACE OF FINISH	NIC NOT IN CONTRACT	T TREAD
CAB CABINET	BOT BOTTOM	FOM FACE OF MASONRY	NON NOMINAL	TEL TELEPHONE
CJ CONTROL JOINT	CAB CABINET	FOS FACE OF SLAB	NON NON-COMBUSTIBLE	TEMP TEMPORARY
CL CENTER LINE	CJ CONTROL JOINT	FOW FACE OF WALL	COMB COMB	TFF TOP OF FINISH FLOOR
CLG CEILING	CL CENTER LINE	FT FOOT, FEET	NTS NOT TO SCALE	THK THICKNESS
CLG HT CEILING HEIGHT	CLG CEILING	FTG FOOTING	OC ON CENTER	THRU THROUGH
CLR CLEARANCE	CLG HT CEILING HEIGHT	FURN FURNISH, FURNITURE	OD OUTSIDE DIAMETER	TO TOP OF
CMU CONCRETE MASONRY UNIT	CLR CLEARANCE	GA GAGE	OPP OPPOSITE	TOB TOP OF BEAM
COL COLUMN	CMU CONCRETE MASONRY UNIT	GALV GALVANIZED	OPT OPTION(AL)	TCC TOP OF CONCRETE, CURB
CONC CONCRETE	COL COLUMN	GC GENERAL CONTRACTOR	PCF POUNDS PER CUBIC FOOT	TOF TOP OF FOOTING
CONF CONFERENCE	CONC CONCRETE	GYP BD GYPSUM BOARD	PLAM PLASTIC LAMINATE	TOJ TOP OF JOIST
CONT CONTINUE, CONTINUOUS	CONF CONFERENCE	GYP PLAS GYPSUM PLASTER	PLF POUNDS PER LINEAR FOOT	TOM TOP OF MASONRY
CORR CORRIDOR	CONT CONTINUE, CONTINUOUS	HC HANDICAP	PLYWD PLYWOOD	TOP TOP OF PARAPET
CU FT CUBIC FOOT	CORR CORRIDOR	HD HDWD	PNL PANEL	TOS TOP OF SLAB
CU YD CUBIC YARD	CU FT CUBIC FOOT	HDWR HARDWARE	PR PAIR	TOW TOP OF WALL
DEMO DEMOLISH	CU YD CUBIC YARD	HM HOLLOW METAL	PREFAB PREFABRICATED	TRTD TREATED
DEPT DEPARTMENT	DEMO DEMOLISH	HORIZ HORIZONTAL	PREFIN PREFINISH	TV TELEVISION
DET DETAIL	DEPT DEPARTMENT	HT HEIGHT	PRKG PARKING	TYP TYPICAL
DF DRINKING FOUNTAIN	DET DETAIL	HVAC HEATING, VENTILATION & AIR CONDITIONING	PSF POUNDS PER SQUARE FOOT	UL UNDERWRITERS LABORATORIES
DIA DIAMETER	DF DRINKING FOUNTAIN	ID INSIDE DIAMETER	PSI POUNDS PER SQUARE INCH	UNO UNLESS NOTED OTHERWISE
DIM DIMENSION	DIA DIAMETER	INCL INCLUDE(D), (ING)	PT PAINT, POST-TENSIONED, PRE-TREATED	VERT VERTICAL
DIV DIVISION	DIM DIMENSION	INSUL INSULATION	PVC POLYVINYL CHLORIDE (PLASTIC)	VEST VESTIBULE
DS DOWNSPOUT	DIV DIVISION	INT INTERIOR	QTR QUARTER	VIF VERIFY IN FIELD
E EAST	DS DOWNSPOUT	JAN CLO JANITOR CLOSET	QTY QUANTITY	W WEST, WIDE
EA EACH	E EAST	KIT KITCHEN	R RADIUS, RISER	W/W WITHOUT
EIFS EXTERIOR INSULATION & FINISH SYSTEM	EA EACH	KO KNOCKOUT	RCP REFLECTED CEILING PLAN	W/W WALL TO WALL
EJ EXPANSION JOINT	EIFS EXTERIOR INSULATION & FINISH SYSTEM	LAB LABORATORY	RD ROOF DRAIN	WC WATER CLOSET
EL ELEVATION	EJ EXPANSION JOINT	LAM LAMINATE	REF REFRIGERATOR, REFERENCE	WD WOOD
ELEC ELECTRIC(AL)	EL ELEVATION	LAU LAUNDRY	REQD REQUIRED	WP WORKING POINT
ENCL ENCLOSED	ELEC ELECTRIC(AL)	LAV LAVATORY	RL ROOF LEADER	WR WATER REPELLENT
EOS EDGE OF SLAB	ENCL ENCLOSED	LF LINEAR FEET	RM ROOM	WT WEIGHT
EQ EQUAL	EOS EDGE OF SLAB	LVR LOUVER	RO ROUGH OPENING	WWF WELDED WIRE FABRIC
	EQ EQUAL	MAINT MAINTENANCE	ROW RIGHT OF WAY	YD YARD
		MATL MATERIAL	S SOUTH	
			SC SOLID CORE	

VICINITY MAP

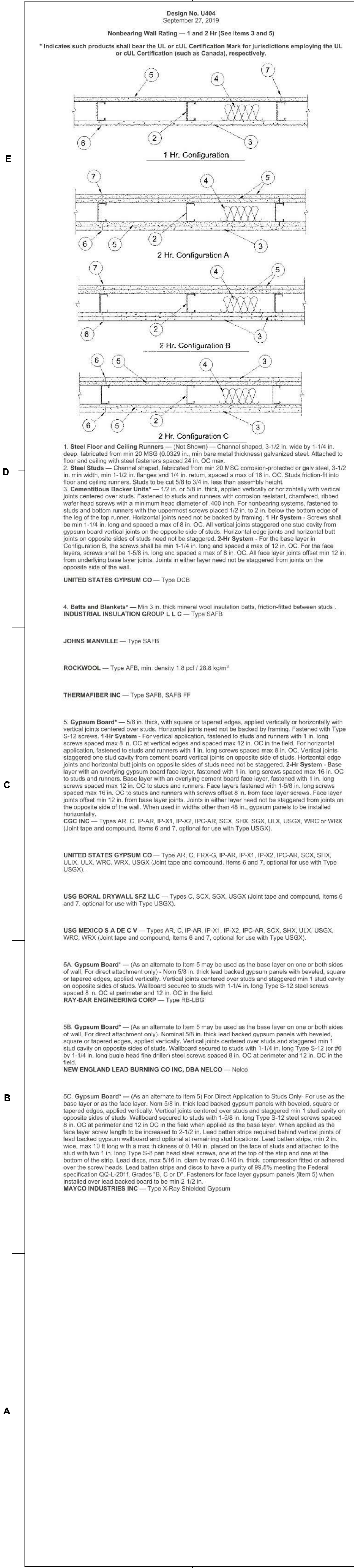


AREA MAP



BIM 360/5201-192070-SCCPSS NEW K-12 ATHLETICS ARCH_GrovesK12_Fieldhouse_NEW.rvt
5/29/2023 11:07:13 AM

BIM 360/SCPPSS New K-12 Multi-School/ARCH_CrowesK12_K12_V2020.rvt
5/29/2023 10:26:05 AM



Design No. U404
September 27, 2019
Nonbearing Wall Rating — 1 and 2 Hr (See Items 3 and 5)
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

1. **Steel Floor and Ceiling Runners** — (Not shown) — Channel shaped, 3-1/2 in. wide by 1-1/4 in. deep, fabricated from min 20 MSG (0.0229 in. min bare metal thickness) galvanized steel. Attached to floor and ceiling with steel fasteners spaced 24 in. OC max.

2. **Steel Studs** — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in. min width, min 1-1/2 in. flanges and 1/4 in. return, spaced a max of 16 in. OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

3. **Cementitious Backer Units** — 1/2 in. or 5/8 in. thick, applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with corrosion resistant, chemically ribbed water head screws with a minimum head diameter of .400 inch. For nonbearing systems, fastened to studs and bottom runners with the upmost screws placed 1/2 in. to 2 in. below the bottom edge of the lag of the top runner. Horizontal joints need not be backed by framing. **1 Hr System** - Screws shall be min 1-1/4 in. long and spaced a max of 8 in. OC. All vertical joints staggered one stud cavity from gypsum board vertical joints on the opposite side of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. **2-Hr System** - For the base layer in Configuration B, the screws shall be min 1-1/4 in. long and spaced a max of 12 in. OC. For the face layers, screws shall be 1-5/8 in. long and spaced a max of 8 in. OC. All face layer joints offset min 12 in. from underlying base layer joints. Joints in either layer need not be staggered from joints on the opposite side of the wall.

UNITED STATES GYPSUM CO — Type DCB

4. **Batts and Blankets** — Min 3 in. thick mineral wool insulation batts, friction-fitted between studs. **INDUSTRIAL INSULATION GROUP L L C** — Type SAFB

JOHNS MANVILLE — Type SAFB

ROCKWOOL — Type AFB, min. density 1.8 pcf / 28.8 kg/m³

THERMAFIBER INC — Type SAFB, SAFBF

5. **Gypsum Board** — 5/8 in. thick, with square or tapered edges, applied vertically or horizontally with vertical joints centered over studs. Horizontal joints need not be backed by framing. Fastened with Type S-12 screws. **1-Hr System** - For vertical application, fastened to studs and runners with 1 in. long screws spaced max 8 in. OC at vertical edges and spaced max 12 in. OC in the field. For horizontal application, fastened to studs and runners with 1 in. long screws spaced max 8 in. OC. Vertical joints staggered one stud cavity from cement board vertical joints on opposite side of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. **2-Hr System** - Base layer with an overlying gypsum board face layer, fastened with 1 in. long screws spaced max 16 in. OC to studs and runners. Base layer with an overlying cement board face layer, fastened with 1 in. long screws spaced max 12 in. OC to studs and runners. Face layers fastened with 1-5/8 in. long screws spaced max 16 in. OC to studs and runners with screws offset 8 in. from face layer screws. Face layer joints offset min 12 in. from base layer joints. Joints in either layer need not be staggered from joints on the opposite side of the wall. When used in walls other than 4 1/2 in., gypsum panels to be installed horizontally.

CGC INC — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, SDX, ULX, USGX, WRC or WRX (Joint tape and compound, Items 6 and 7, optional for use with Type USGX).

UNITED STATES GYPSUM CO — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, ULX, WRC, WRX, USGX (Joint tape and compound, Items 6 and 7, optional for use with Type USGX).

USG BORDAL DRYWALL SZX LLC — Types C, SCX, SDX, USGX (Joint tape and compound, Items 6 and 7, optional for use with Type USGX).

USG MEXICO S A DE C V — Types AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULX, USGX, WRC, WRX (Joint tape and compound, Items 6 and 7, optional for use with Type USGX).

5A. **Gypsum Board** — (As an alternate to Item 5 may be used as the base layer on one or both sides of wall. For direct attachment only) - Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

RAY-BAR ENGINEERING CORP — Type RB-LBG

5B. **Gypsum Board** — (As an alternate to Item 5 may be used as the base layer on one or both sides of wall. For direct attachment only) Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or #6 by 1-1/4 in. long toggle head fine thread) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field.

NEW ENGLAND LEAD BURNING CO INC, DBA NELCO — Nailco

5C. **Gypsum Board** — (As an alternate to Item 5) For Direct Application to Studs Only. For use as the base layer or as the face layer. Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-5/8 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field when applied as the base layer. When applied as the face layer screw length to be increased to 2-1/2 in. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 10 ft long with a max thickness of 0.140 in., placed on the face of studs and attached to the stud with two 1 in. long Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, max 3/16 in. diam by max 0.140 in. thick, compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ4-2011, Grades "B, C or D". Fasteners for face layer gypsum panels (Item 5) when installed over lead backed board to be min 2-1/2 in. long.

MAYCO INDUSTRIES INC — Type R-Ray Shielded Gypsum

6. **Joints** — Covered with glass fiber mesh tape and latex modified Portland cement mortar or basecoat, or Type I organic adhesive.

7. **Joints** — When tapered edge gypsum board is used, face layer joints covered with joint compound and paper tape. As an alternate, gypsum veneer plaster may be applied to the entire surface of classified veneer baseboard with joints reinforced. When square-edge gypsum board is used, treatment of joints is optional.

8. **Vapor Retarder, Water Barrier or Weather Resistive Barrier** — (Optional — Not shown) — As required.

9. **Lead Batten Strips** — (Not shown, For use with Item 5A) - Lead batten strips, min 1-1/2 in. wide, max 10 ft long with a max thickness of 0.125 in. Strips placed on the interior face of studs and attached from the exterior face of the stud with two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ4-2011, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5A) and optional at remaining stud locations. Required behind vertical joints.

9A. **Lead Batten Strips** — (Not shown, For use with Item 5C) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.140 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ4-2011, Grades "B, C or D". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5) and optional at remaining stud locations.

10. **Lead Discs or Tabs** — (Not shown, For use with Item 5A) - Used in lieu of or in addition to the lead batten strips (Item 9) or optional at other locations - Max 3/4 in. diam by max 0.125 in. thick, lead discs compression fitted or adhered over steel screw heads or max 1/2 in. by 1-1/4 in. by max 0.125 in. thick lead tabs placed on gypsum boards (Item 5A) underneath screw locations prior to the installation of the screws. Lead discs or tabs to have a purity of 99.9% meeting the Federal specification QQ4-2011, Grade "C".

10A. **Lead Discs** — (Not shown, for use with Item 5C) Max 5/16 in. diam by max 0.140 in. thick, lead discs compression fitted or adhered over steel screw heads. Lead discs to have a purity of 99.9% meeting the Federal Specification QQ4-2011, Grades "B, C or D".

11. **Lead Batten Strips** — (Not shown, For use with Item 5B) Lead batten strips, 2 in. wide, max 10 ft long with a max thickness of 0.142 in. Strips placed on the face of studs and attached to the stud with two min. 1 in. long min. Type S-8 pan head steel screws, one at the top of the strip and one at the bottom of the strip or with one min. 1 in. long min. Type S-8 pan head steel screw at the top of the strip. Lead batten strips to have a purity of 99.9% meeting the Federal specification QQ4-2011, Grade "C". Lead batten strips required behind vertical joints of lead backed gypsum wallboard (Item 5B) and optional at remaining stud locations.

12. **Lead Tabs** — (Not shown, For use with Item 5B) 2 in. wide, 5 in. long with a max thickness of 0.142 in. Tabs friction-fit around front face of stud, the stud locked flange, and the back face of the stud. Tabs required at each location where a screw that secures the gypsum boards, (Item 5B) will penetrate the steel stud. Lead tabs to have a purity of 99.9% meeting the Federal specification QQ4-2011, Grade "C". Lead tabs may be held in place with standard adhesive tape if necessary.

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively. [Last Updated on 2019-09-27](#)

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Design No. U065
March 02, 2020
Bearing Wall Rating — 2 HR
Nonbearing Wall Rating — 2 HR
This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load resistor factor shall be used — See Guide B301 or B302.

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

1. **Concrete Blocks** — Various designs. Classification D-2 (2 in.).

2. **Mortar** — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster** — Add 1/2 hr classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).

4. **Loose Masonry Fill** — All loose spaces are filled with loose dry expanded clay, expanded clay or shale (Rotary Kilm Process), water repellent vermiculite masonry fill insulation, or silicone treated perlite (block fill insulation and 1/2 hr classification).

5. **Foamed Plastic** — (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).

ATLAS ROOFING CORP — "EnergyShield Pro Wall Insulation", "EnergyShield Pro 2 Wall Insulation", "EnergyShield GFC Pro and EnergyShield Ply Pro

CARLISLE COATINGS & WATERPROOFING INC — Type R2+ SHEATHE

DUPONT DE NEMOURS, INC. — Types Thermoax Sheathing, Thermoax Light Duty Insulation, Thermoax Heavy Duty Insulation, Thermoax Metal Building Board, Thermoax White Finish Insulation, Thermoax Exterior Insulation, Thermoax XAMORCI Exterior Insulation, Thermoax HI Insulation, Thermoax Vapor Barrier Liner Panel, Thermoax Heavy Duty Plus (HDP), TUFF-FR™ Insulation, Thermoax Butler SilyWall Insulation Board and Thermoax Motion Heavy Duty Insulation Board

FIRESTONE BUILDING PRODUCTS CO L L C — "Evereng™ CI Foil Exterior Wall Insulation" and "Evereng™ CI Glass Exterior Wall Insulation"

HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — Types "Xci-Class A", "Xci Foil (Class AT)", "Xci 280"

RMAX OPERATING L L C — Types "TSX-8500", "ECOMAXi FR", "TSX-8510", "ECOMAX xi FR (Walls)", "ECOMAXxi", "ECOMAXi FR Air Barrier", "Thermathash-XF", "Thermathash", "Durasheath", "Thermathash-3", "Durasheath-3".

5A. **Building Units** — As an alternate to Items 5, min. 1-in thick polyisocyanurate composite foamed plastic insulation boards, nom. 4 1/8 by 4 1/8 or 36 in.

HUNTER PANELS, A DIVISION OF CARLISLE CONSTRUCTION MATERIALS, LLC — "Xci NE", "Xci Ply"

RMAX OPERATING L L C — "Thermathash-Si", "ECOBASESi", "ThermaBase-Ci", "ECOMAXi FR Ply", "ECOMAXi Ply".

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively. [Last Updated on 2020-03-02](#)

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Design No. U407
February 19, 2013
Nonbearing Wall Ratings — 1/2 or 1 HR. (See Items 1, 1A, 2, 2A and 6)
Bearing Wall Rating — 1/2 HR. (See Items 3 and 6)
Finish Rating — (See Item 3)

1. **Floor and Ceiling Runners** — (Not shown, For the 1/2 or 1 Hour Nonbearing Wall Ratings) — For use with Item 2 - Channel shaped, fabricated from min 25 MSG 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** — (As an alternate to Item 1 - For the 1/2 or 1 Hour Nonbearing Wall Ratings) — For use with Item 2A, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, min depth to accommodate stud size, attached to floor and ceiling with fasteners 24 in. OC. max.

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK
DMFCWBS L L C — ProTRAK
MBA BUILDING SUPPLIES — ProTRAK
RAM SALES L L C — Ram ProTRAK
SOUTHEASTERN STUD & COMPONENTS INC — ProTRAK
STEEL STRUCTURAL SYSTEMS L L C — Tri-S ProTRAK

1B. **Framing Members*— Floor and Ceiling Runner** — (Not shown, As an alternate to Item 1 - For the 1/2 or 1 Hour Nonbearing Wall Ratings) — For use with Item 2B, proprietary channel shaped runners, min depth to accommodate stud size, attached to floor and ceiling with fasteners 24 in. OC. max.

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK
DMFCWBS L L C — ProTRAK
MBA BUILDING SUPPLIES — ProTRAK
RAM SALES L L C — Ram ProTRAK
SOUTHEASTERN STUD & COMPONENTS INC — ProTRAK
STEEL STRUCTURAL SYSTEMS L L C — Tri-S ProTRAK

1C. **Framing Members*— Floor and Ceiling Runner** — (Not shown, As an alternate to Item 1 - For the 1/2 or 1 Hour Nonbearing Wall Ratings) — For use with Item 2C, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, min depth to accommodate stud size, attached to floor and ceiling with fasteners 24 in. OC. max.

TELLING INDUSTRIES L L C — TRUE-STUD™

2. **Steel Studs** — (For the 1/2 or 1 Hour Nonbearing Wall Ratings) Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min. 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

2A. **Framing Members*— Steel Studs** — (Not shown, As an alternate to Item 2, For the 1/2 or 1 Hour Nonbearing Wall Ratings) — channel shaped studs, min. 3-5/8 in. deep, 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.

CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD
DMFCWBS L L C — ProSTUD
MEBA BUILDING SUPPLIES — ProSTUD
RAM SALES L L C — Ram ProSTUD
SOUTHEASTERN STUD & COMPONENTS INC — ProSTUD
STEEL STRUCTURAL SYSTEMS L L C — Tri-S ProSTUD

2B. **Framing Members*— Steel Studs** — (Not shown, As an alternate to Item 2- For the 1/2 or 1 Hour Nonbearing Wall Ratings) - Proprietary channel shaped studs, min. 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than the assembly height.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™
MARINOWARE, DIV OF WARE INDUSTRIES INC — Viper25™

2C. **Framing Members*— Steel Studs** — (Not shown, As an alternate to Item 2- For the 1/2 or 1 Hour Nonbearing Wall Ratings) — channel shaped studs, min. 3-5/8 in. deep, 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-STUD™

3. **Wood Studs** — (Not shown, As an alternate to Items 1 and 2- For the 1/2 Bearing Wall Rating) - Nom 2 by 4 in. spaced 16 in. OC max, effectively firestopped. When wood studs are used, Finish Rating is 16 Min.

4. **Batts and Blankets** — (Optional, not shown) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

5. **Furring Channels** — (Optional, not shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws for steel studs and 1 in. long Type S screws for wood studs.

6. **Gypsum Board** — 5/8 in. thick paper surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Vertical joints in adjacent layers (multi-layer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers need not be staggered.

1/2 Hour Bearing Rating On Wood Studs - Single layer secured with 1-5/8 in. long Type S steel screws spaced 12 in. OC at the perimeter and in the field.

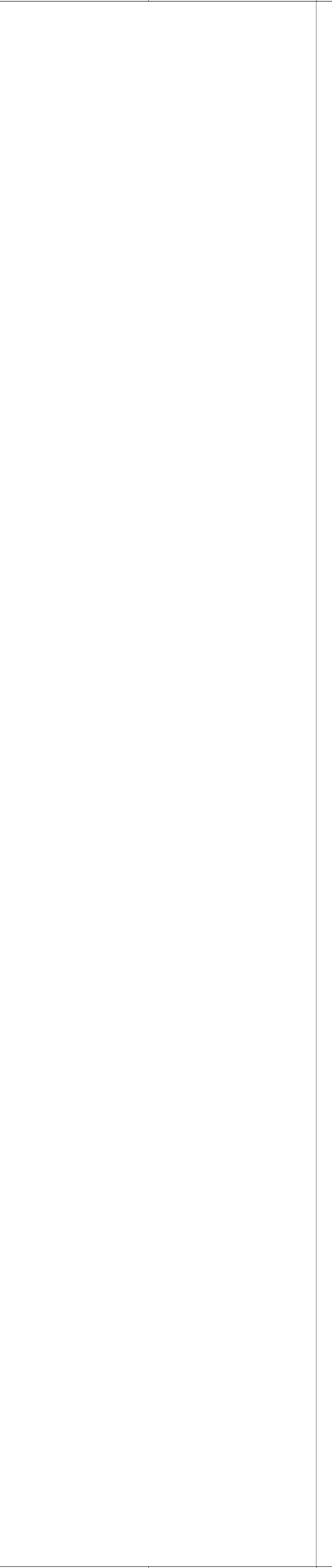
1 Hour Nonbearing Rating On Steel Studs - Single layer secured with 1 in. long Type S steel screws spaced 8 in. OC at the perimeter and 8 in. OC in the field.

1 Hour Nonbearing Rating On Steel Studs - Base layer boards secured with 1 in. long Type S steel screws spaced 16 in. OC at the perimeter and 16 in. OC in the field. Face layer boards secured with 1-5/8 in. long Type S steel screws spaced 16 in. OC at the perimeter and 16 in. OC in the field. When joints are aligned, screws are offset 8 in. between layers.

CGC INC — 5/8 in. thick Type FC30
UNITED STATES GYPSUM CO — 5/8 in. thick Type FC30
USG MEXICO S A DE C V — 5/8 in. thick Type FC30

7. **Joint Tape and Compound** — Vinyl or casein, dry or premixed joint compound applied in two layers over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

*Bearing the UL Classification Mark [Last Updated on 2013-02-19](#)



Design No. U407
February 19, 2013
Nonbearing Wall Ratings — 1/2 or 1 HR. (See Items 1, 1A, 2, 2A and 6)
Bearing Wall Rating — 1/2 HR. (See Items 3 and 6)
Finish Rating — (See Item 3)

1. **Floor and Ceiling Runners** — (Not shown, For the 1/2 or 1 Hour Nonbearing Wall Ratings) — For use with Item 2 - Channel shaped, fabricated from min 25 MSG 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** — (As an alternate to Item 1 - For the 1/2 or 1 Hour Nonbearing Wall Ratings) — For use with Item 2A, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, min depth to accommodate stud size, attached to floor and ceiling with fasteners 24 in. OC. max.

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK
DMFCWBS L L C — ProTRAK
MBA BUILDING SUPPLIES — ProTRAK
RAM SALES L L C — Ram ProTRAK
SOUTHEASTERN STUD & COMPONENTS INC — ProTRAK
STEEL STRUCTURAL SYSTEMS L L C — Tri-S ProTRAK

1B. **Framing Members*— Floor and Ceiling Runner** — (Not shown, As an alternate to Item 1 - For the 1/2 or 1 Hour Nonbearing Wall Ratings) — For use with Item 2B, proprietary channel shaped runners, min depth to accommodate stud size, attached to floor and ceiling with fasteners 24 in. OC. max.

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK
DMFCWBS L L C — ProTRAK
MBA BUILDING SUPPLIES — ProTRAK
RAM SALES L L C — Ram ProTRAK
SOUTHEASTERN STUD & COMPONENTS INC — ProTRAK
STEEL STRUCTURAL SYSTEMS L L C — Tri-S ProTRAK

1C. **Framing Members*— Floor and Ceiling Runner** — (Not shown, As an alternate to Item 1 - For the 1/2 or 1 Hour Nonbearing Wall Ratings) — For use with Item 2C, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, min depth to accommodate stud size, attached to floor and ceiling with fasteners 24 in. OC. max.

TELLING INDUSTRIES L L C — TRUE-STUD™

2. **Steel Studs** — (For the 1/2 or 1 Hour Nonbearing Wall Ratings) Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min. 3-5/8 in. deep, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height.

2A. **Framing Members*— Steel Studs** — (Not shown, As an alternate to Item 2, For the 1/2 or 1 Hour Nonbearing Wall Ratings) — channel shaped studs, min. 3-5/8 in. deep, 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.

CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD
DMFCWBS L L C — ProSTUD
MEBA BUILDING SUPPLIES — ProSTUD
RAM SALES L L C — Ram ProSTUD
SOUTHEASTERN STUD & COMPONENTS INC — ProSTUD
STEEL STRUCTURAL SYSTEMS L L C — Tri-S ProSTUD

2B. **Framing Members*— Steel Studs** — (Not shown, As an alternate to Item 2- For the 1/2 or 1 Hour Nonbearing Wall Ratings) - Proprietary channel shaped studs, min. 3-5/8 in. deep spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than the assembly height.
CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™
MARINOWARE, DIV OF WARE INDUSTRIES INC — Viper25™

2C. **Framing Members*— Steel Studs** — (Not shown, As an alternate to Item 2- For the 1/2 or 1 Hour Nonbearing Wall Ratings) — channel shaped studs, min. 3-5/8 in. deep, 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-STUD™

3. **Wood Studs** — (Not shown, As an alternate to Items 1 and 2- For the 1/2 Bearing Wall Rating) - Nom 2 by 4 in. spaced 16 in. OC max, effectively firestopped. When wood studs are used, Finish Rating is 16 Min.

4. **Batts and Blankets** — (Optional, not shown) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See **Batts and Blankets** (BKNV or BZJZ) Categories for names of Classified companies.

5. **Furring Channels** — (Optional, not shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws for steel studs and 1 in. long Type S screws for wood studs.

6. **Gypsum Board** — 5/8 in. thick paper surfaced, with beveled, square, or tapered edges, applied either horizontally or vertically. Vertical joints in adjacent layers (multi-layer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers need not be staggered.

1/2 Hour Bearing Rating On Wood Studs - Single layer secured with 1-5/8 in. long Type S steel screws spaced 12 in. OC at the perimeter and in the field.

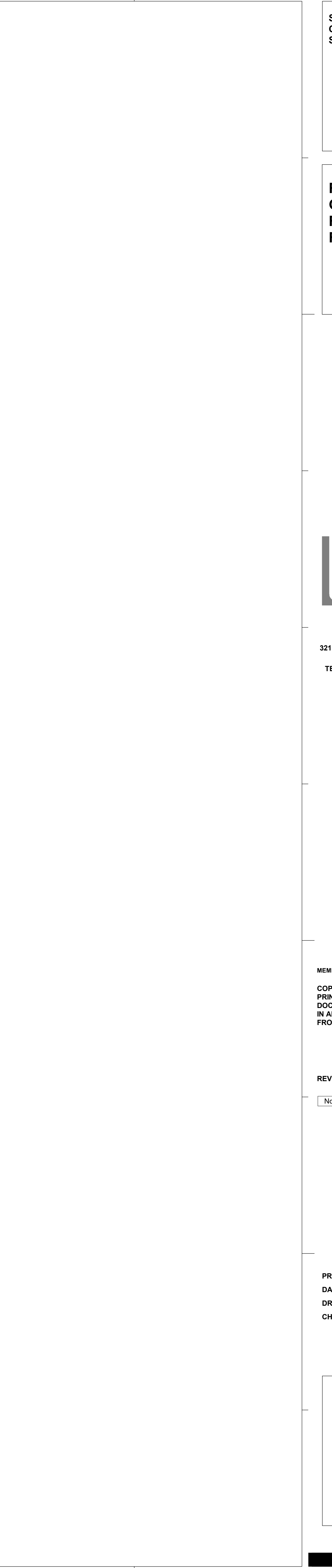
1 Hour Nonbearing Rating On Steel Studs - Single layer secured with 1 in. long Type S steel screws spaced 8 in. OC at the perimeter and 8 in. OC in the field.

1 Hour Nonbearing Rating On Steel Studs - Base layer boards secured with 1 in. long Type S steel screws spaced 16 in. OC at the perimeter and 16 in. OC in the field. Face layer boards secured with 1-5/8 in. long Type S steel screws spaced 16 in. OC at the perimeter and 16 in. OC in the field. When joints are aligned, screws are offset 8 in. between layers.

CGC INC — 5/8 in. thick Type FC30
UNITED STATES GYPSUM CO — 5/8 in. thick Type FC30
USG MEXICO S A DE C V — 5/8 in. thick Type FC30

7. **Joint Tape and Compound** — Vinyl or casein, dry or premixed joint compound applied in two layers over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

*Bearing the UL Classification Mark [Last Updated on 2013-02-19](#)



SAVANNAH-CHATHAM COUNTY PUBLIC SCHOOL SYSTEM

SCCPSS

RFP C24-01
GROVES ATHLETIC FIELDS & FIELDHOUSE

LS3P

321 WEST CONGRESS STREET SUITE 301
SAVANNAH, GEORGIA 31401
TEL. 912.695.2111 FAX 912.298.0206
WWW.LS3P.COM

STATE OF GEORGIA
REGISTERED ARCHITECT

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REVISIONS:

No.	Description	Date

PROJECT: 5201-192070
DATE: 10/09/2020
DRAWN BY: Author
CHECKED BY: AWM

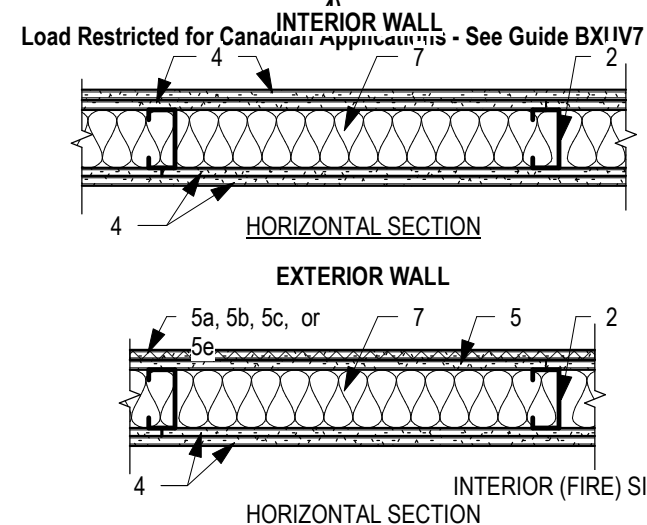
U.L. DETAILS

G-101

CONSTRUCTION SET

Fire Resistance Ratings - ANSUL 263BXUVU425 Design No. U425

(For Exterior Walls, Ratings Applicable) For Exposure To Fire On Interior Face Only. (See Items 4 and 5) Bearing Wall Rating - 45 Min, 1-1/2 or 2 HR. (See Items 2 and 3)

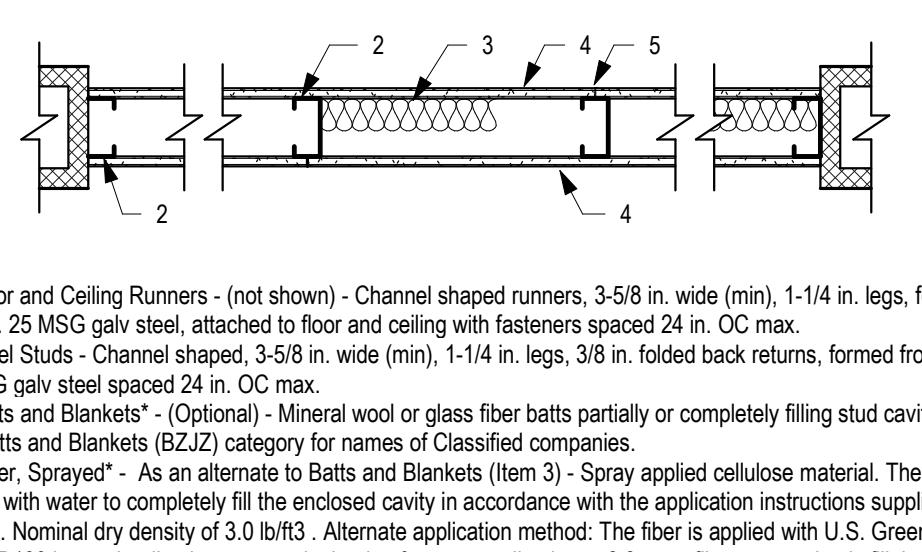


E

- 1. Steel Floor and Ceiling Tracks - (Not Shown) - Top and bottom tracks of wall assemblies shall consist of steel members, min No. 20 MSG (0.0329 in. min. bare metal thickness) steel or min No. 20 MSG (0.033 in. thick) galv steel or No. 20 MSG (0.033 in. thick) primed steel, that provide a sound structural connection between steel studs, and to adjacent assemblies such as a floor, ceiling, and/or other walls. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. O.C.

Fire Resistance Ratings - ANSUL 263BXUVU465 Design No. U465

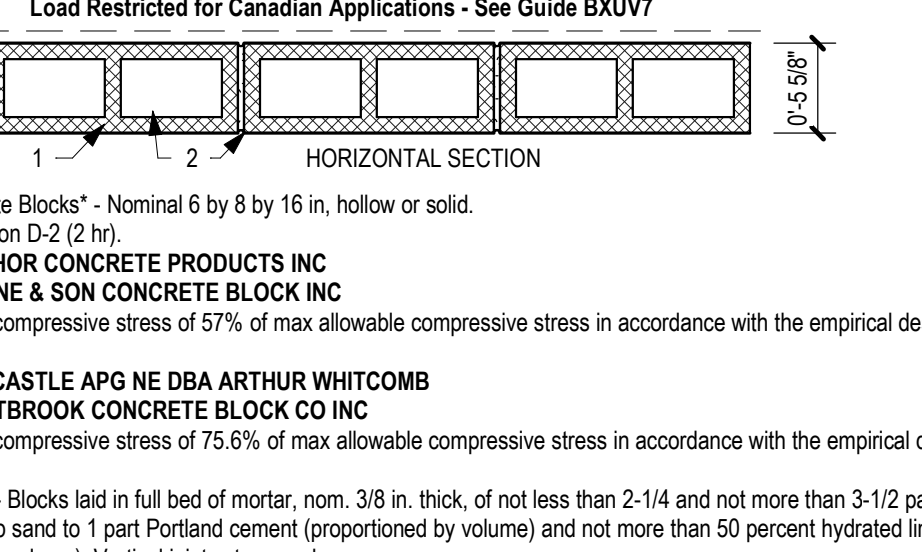
Nonbearing Wall Rating - 1 HR.



- 1. Floor and Ceiling Runners - (Not shown) - Channel shaped runners, 3-5/8 in. wide (min), 1-1/4 in. legs, formed from min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. O.C. max.

Fire Resistance Ratings - ANSUL 263BXUVU900 Design No. U900

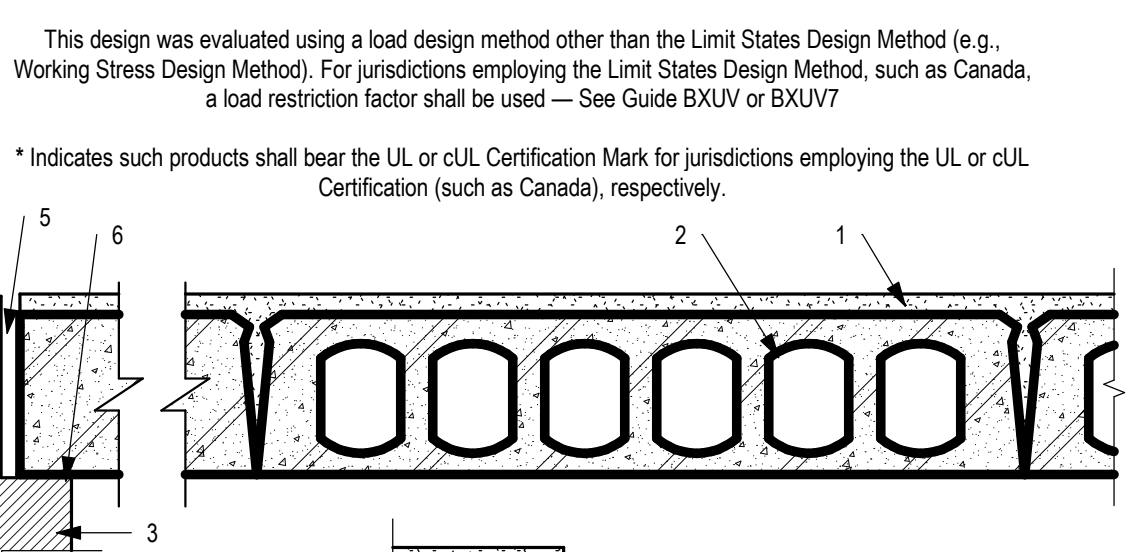
Bearing Wall Rating - 2 HR. Nonbearing Wall Rating - 2 HR. Load Restricted for Canadian Applications - See Guide BXUV7



- 1. Concrete Blocks - Nominal 6 by 8 by 16 in. hollow or solid. Classification D-2 (2 hr).

DESIGN NO. J995

Restrained Assembly Rating - 2, 3 and 4 Hr. Unrestrained Assembly Rating - 2 Hr.



- This design was evaluated using a load design method other than the Limit States Design Method (i.e., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used - See Guide BXUV7 or BXUV7.

2018 INTERNATIONAL BUILDING CODE TABLE 601

FIRE-RESISTANCE REQUIREMENTS FOR BUILDING ELEMENTS (HOURS) For S1 = foot = 304.8 mm.

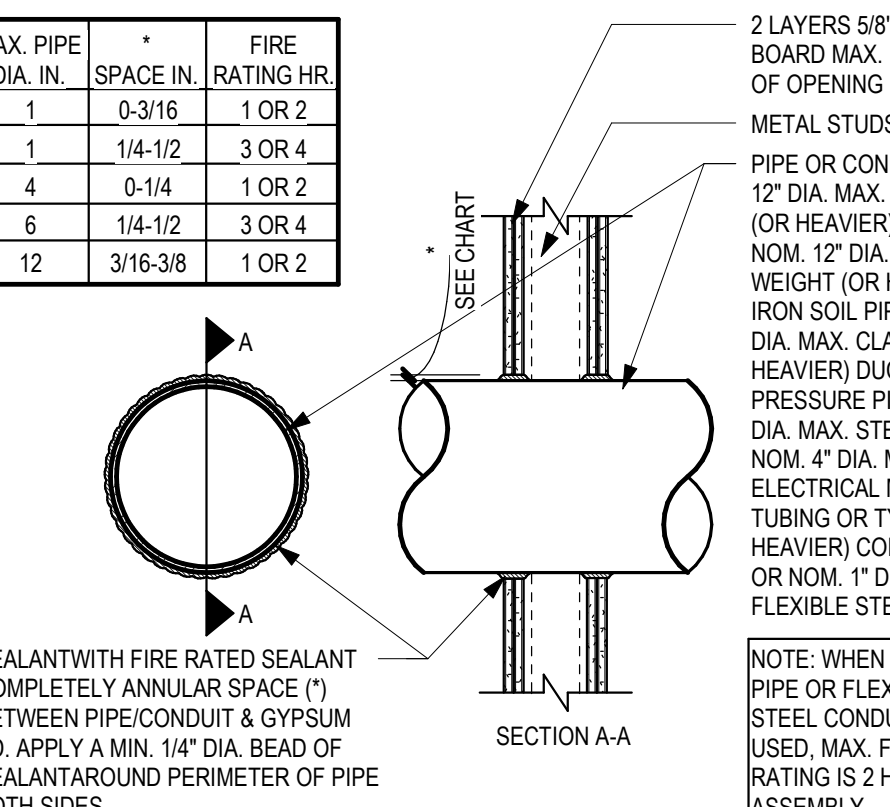
Table with columns: BUILDING ELEMENT, TYPE I, TYPE II, TYPE III, TYPE IV, TYPE V, and sub-columns A, B, C. Rows include Primary structural frame, Bearing walls, Nonbearing walls, and Floor construction.

- a. Roof supports: Fire resistance ratings of primary structural frame and bearing walls are required, including protection of primary structural frame members, roof framing and decking where every part of the roof construction is 20 feet or more above any floor immediately below.

15 INTERNATIONAL BUILDING CODE

12" = 1'-0"

Table with columns: Assembly Rating Hr, Min Topping Thickness in. Rows 1, 2, 3, 4.



- 2 LAYERS 5/8" GYPSUM BOARD MAX DIAMETER OF OPENING IS 13 1/2" METAL STUDS @ 16" O.C. PIPE OR CONDUIT - NOM. 1 1/2" DIA. MAX. SCHEDULE 10 (OR HEAVIER) STEEL PIPE, NOM. 1 1/2" DIA. MAX. SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM. 1 1/2" DIA. MAX. CLASS 50 (OR HEAVIER) DUCTILE IRON PIPE, NOM. 1 1/2" DIA. MAX. STEEL CONDUIT, NOM. 1 1/2" DIA. MAX. STEEL ELECTRICAL METALLIC TUBING OR TYPE "L" (OR HEAVIER) COPPER PIPE, NOM. 1 1/2" DIA. MAX. FLEXIBLE STEEL CONDUIT.

Table with columns: Rating, No. of Layers & Thins of Board in. Each Layers, % of Design Load. Rows for 45 min, 1 hr, 1-1/2 hr, 2 hr.

*Ratings applicable to assemblies serving as exterior walls where Classified fire resistive gypsum sheathing type wallboard is substituted on the gypsum surface.

Table with columns: Rating, No. of Layers & Thins of Board in. Each Layers, % of Design Load. Rows for 45 min, 1 hr, 1-1/2 hr, 2 hr.

See Gypsum Board (CKN) Category - for names of Classified Companies of 1/2 in. or 5/8 in. thick wallboard. See below for Classified Companies of 3/4 in. thick wallboard.

- 4A. Gypsum Board - As an alternate to Item 4 - Nom. 5/8 in. thick gypsum panels, with square edges, applied horizontally. Gypsum panels fastened to framing with 1 in. long bugle head steel screws spaced a max 8 in. O.C. with last 2 screws 3/4 in. and 4 in. from each edge respectively. Horizontal joints need not be backed by steel framing.

- 5. Gypsum Sheathing - For exterior walls, 1/2 or 5/8 in. thick exterior regular gypsum sheathing applied vertically and attached to studs and runner tracks with 1 in. long Type S-12 bugle head screws spaced 12 in. O.C. along studs and tracks.

- 6. Fasteners - (Not Shown) - Screws used to attach wallboard to studs; self-tapping bugle head sheet steel type, spaced 12 in. O.C. First layer Type S-12 by 1 in. long for 1/2 and 5/8 in. thick wallboards and 1-1/4 in. long for 3/4 in. thick wallboard.

- 7. Batts and Blankets - Placed in stud cavities of all exterior walls. May or may not be used in interior walls. Any glass fiber or mineral wool batt material bearing the UL Classification Marking as to Fire Resistance, if a thickness to completely fill stud cavity. See Batts and Blankets (BZJ) Category for names of Classified Companies.

- 8. Joint Tape and Compound - (Not Shown) - Vinyl or casing, dry or premixed joint compound applied in two coats to joints and screw heads of outer layer. Porfoliated paper tape, 2 in. wide, embedded in first layer of compound over all joints of outer layer.

- 9. Furring Channels - (Optional, not shown, for single or double layer systems) - Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. O.C. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws.

- 10. Mortar (Dry Pack) - (Optional, Not Shown) - Foamed plastic with mortar control face attached, continuous, by drainage holes at bottom of air space behind brick veneer.

- 11. Cementitious Backer Unit - (Optional Item Not Shown) - For Use On Face Of 1 Hr Or 2 Hr Systems With All Standard Finishes Required - 1/2 in., 5/8 in., 3/4 in. or 1 in. thick, min. 32 in. wide. Applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members, and a minimum of 3/4 in. for wood framing members spaced a max of 8 in. O.C. When 4 ft. wide boards are used, horizontal joints need not be backed by framing.

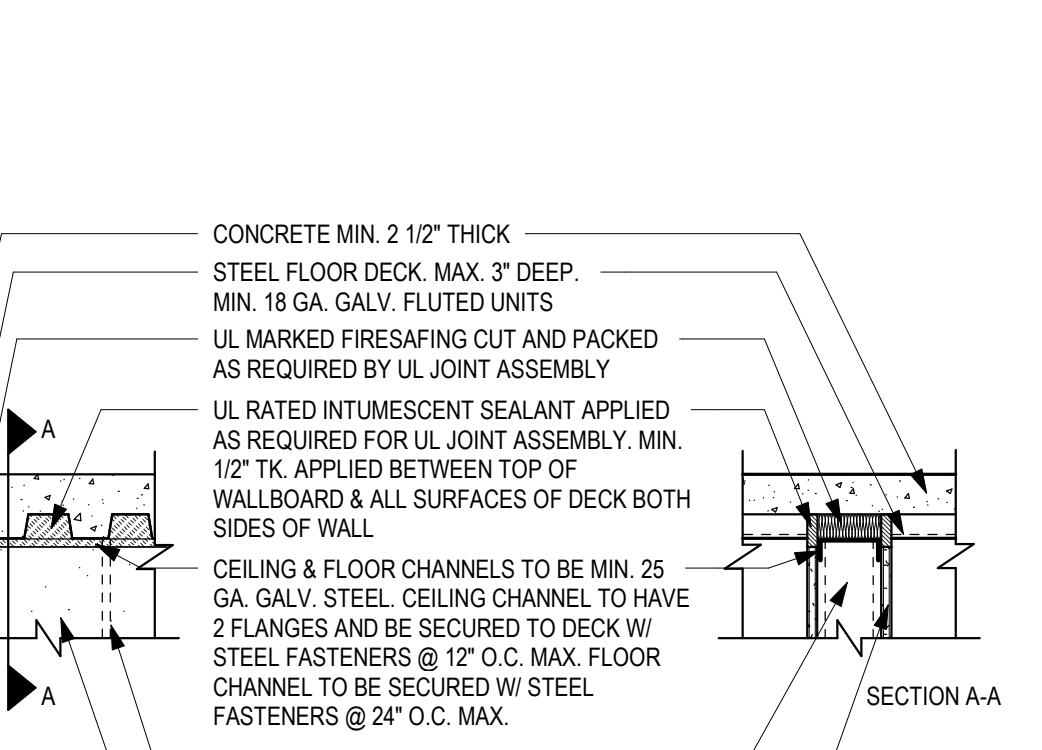
- 12. Foamed Plastic - (Not Shown) - For use with brick veneer as outlined in Item 5A - Maximum 2 in. thick rigid polyethylene insulation attached to studs with fasteners of sufficient length to penetrate the foam and 3/16 in. into the stud. A minimum 1 in. air space is to be maintained between the outer surface of the brick veneer.

- 13. Owens Corning Specialty & Foam Products - (Not Shown) - Foamed plastic with mortar control face attached, continuous, by drainage holes at bottom of air space behind brick veneer.

- 14. Owens Corning Specialty & Foam Products - WeepGuard - (Optional Item Not Shown) - For Use On Face Of 1 Hr Or 2 Hr Systems With All Standard Finishes Required - 1/2 in., 5/8 in., 3/4 in. or 1 in. thick, min. 32 in. wide. Applied vertically or horizontally with vertical joints centered over studs. Fastened to studs and runners with cement board screws of adequate length to penetrate stud by a minimum of 3/8 in. for steel framing members, and a minimum of 3/4 in. for wood framing members spaced a max of 8 in. O.C. When 4 ft. wide boards are used, horizontal joints need not be backed by framing.

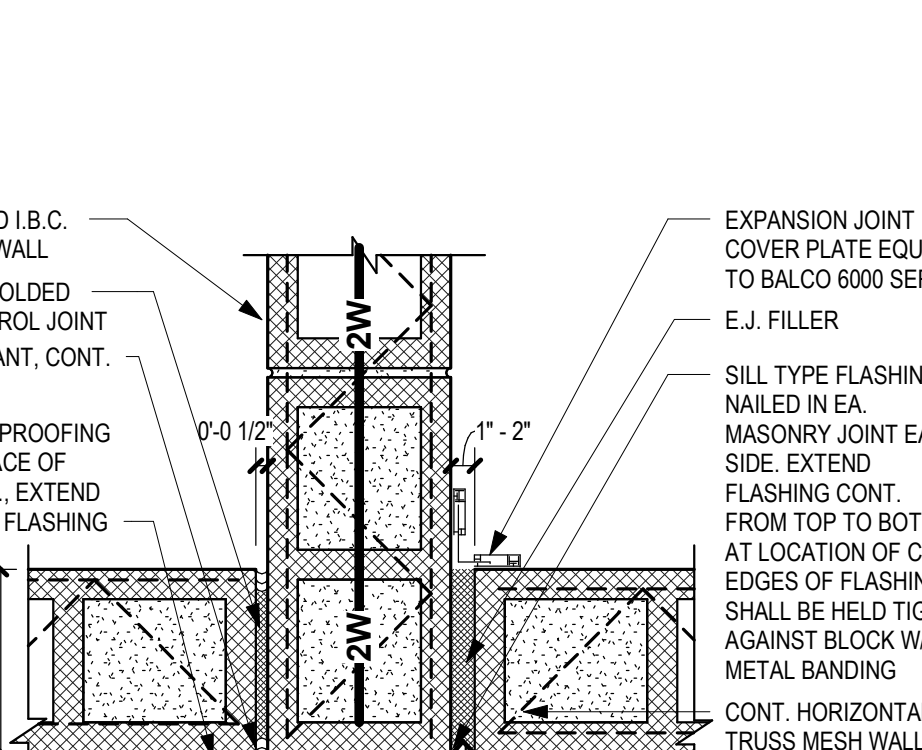
3 UL NO. U465

1" = 1'-0"



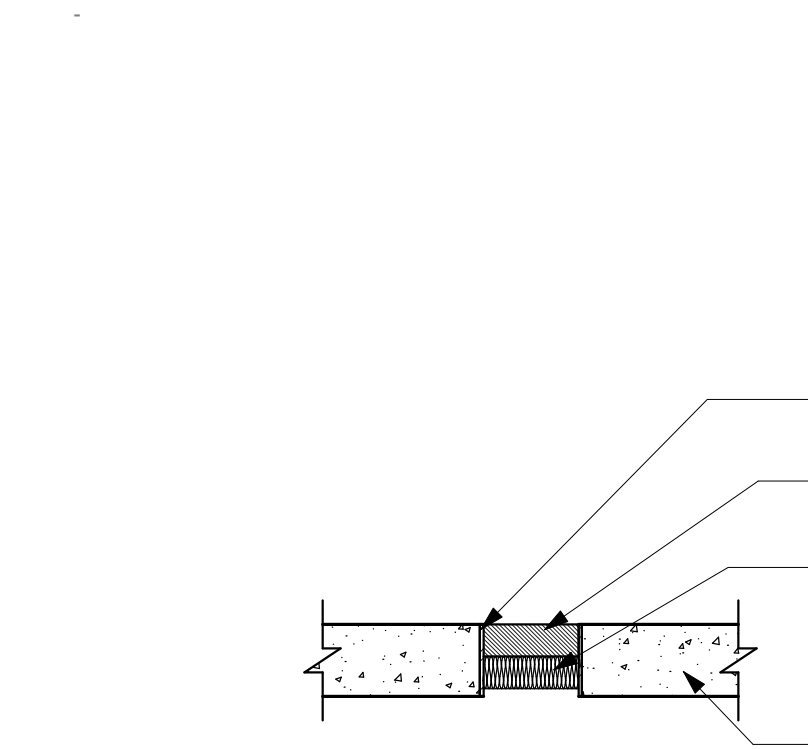
8 FIRE RATED ASSEMBLY

1 1/2" = 1'-0"



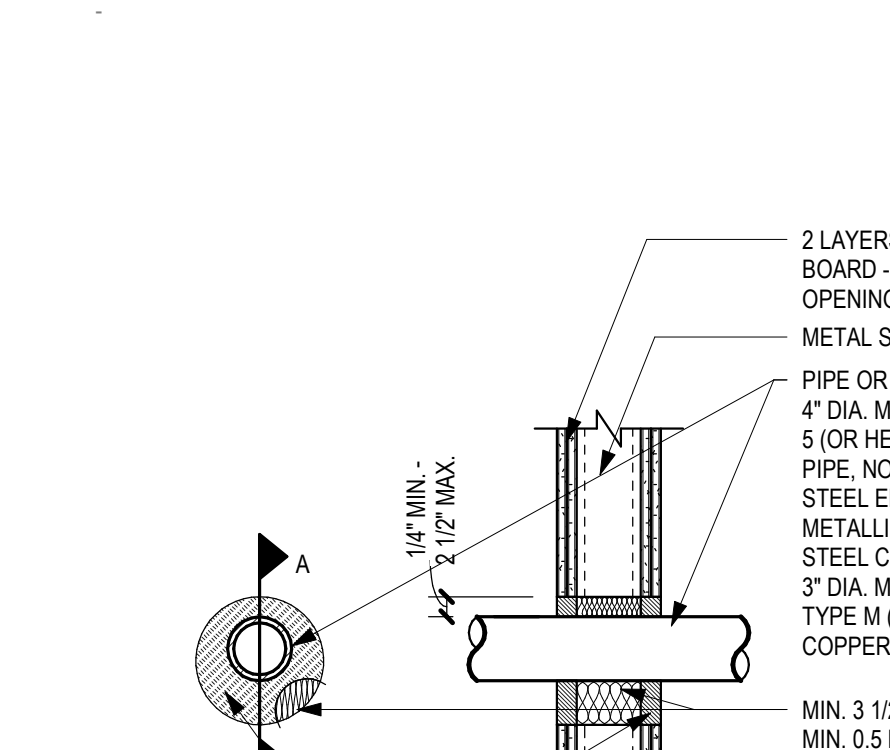
12 FLOOR PENETRATION

1" = 1'-0"



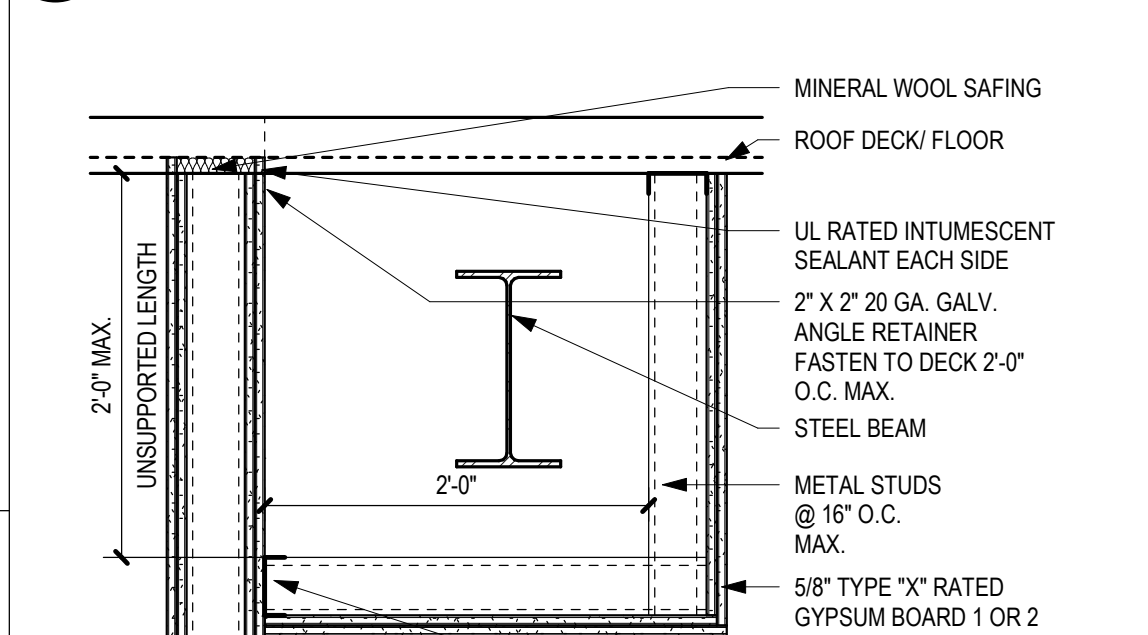
17 RATED WALL PENETRATION

1" = 1'-0"



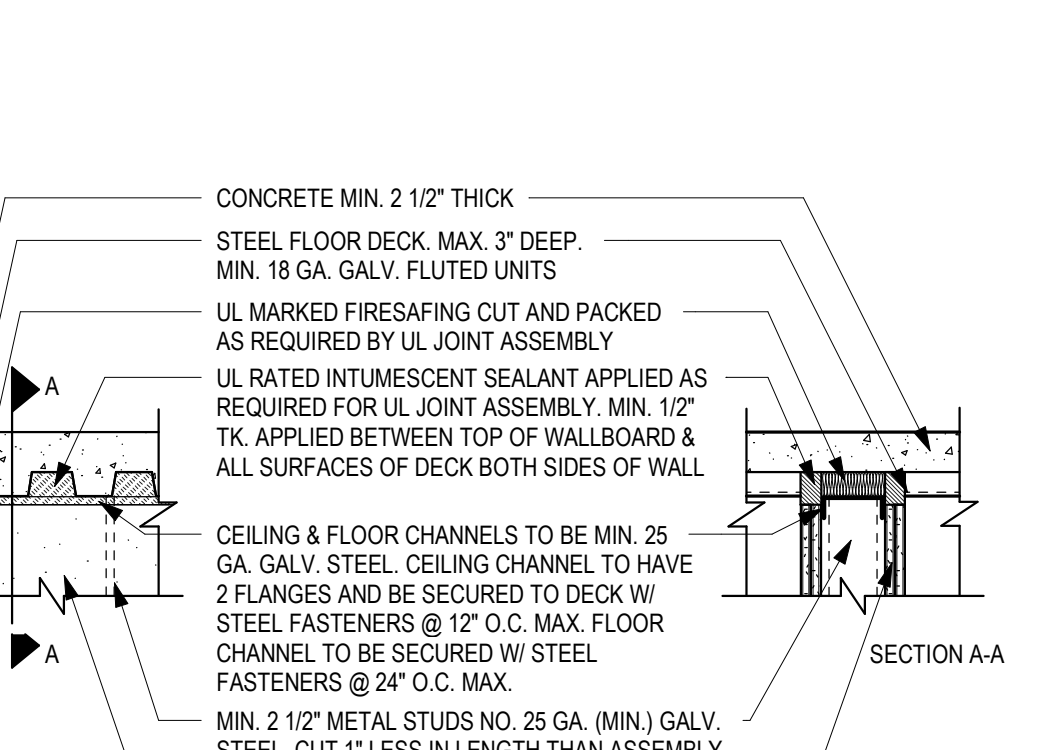
1 UL NO. U425

1" = 1'-0"



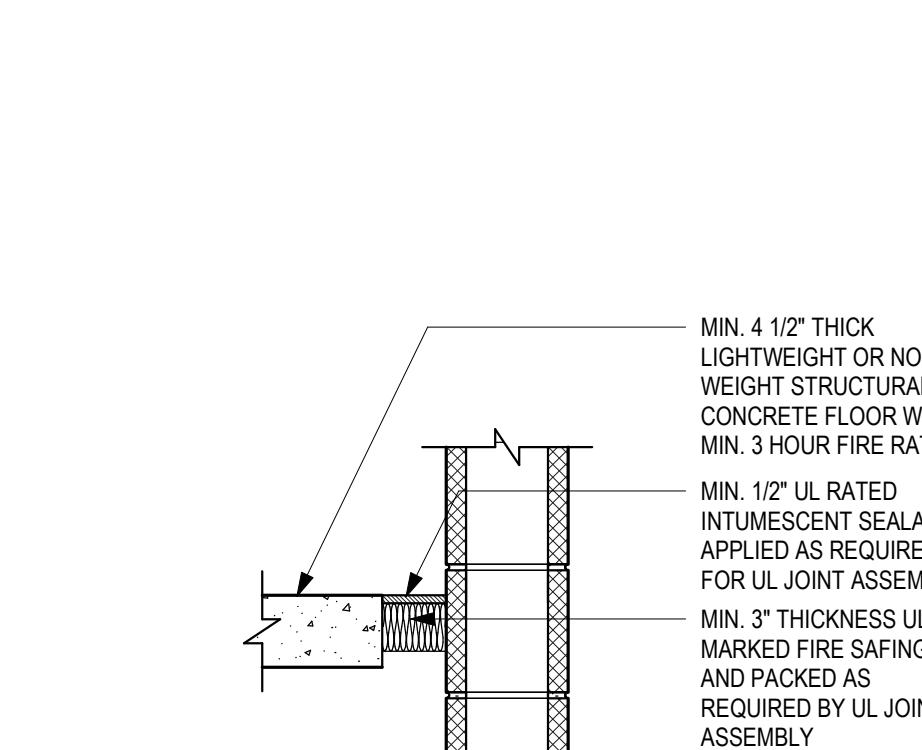
4 WALL @ FLOOR

1" = 1'-0"



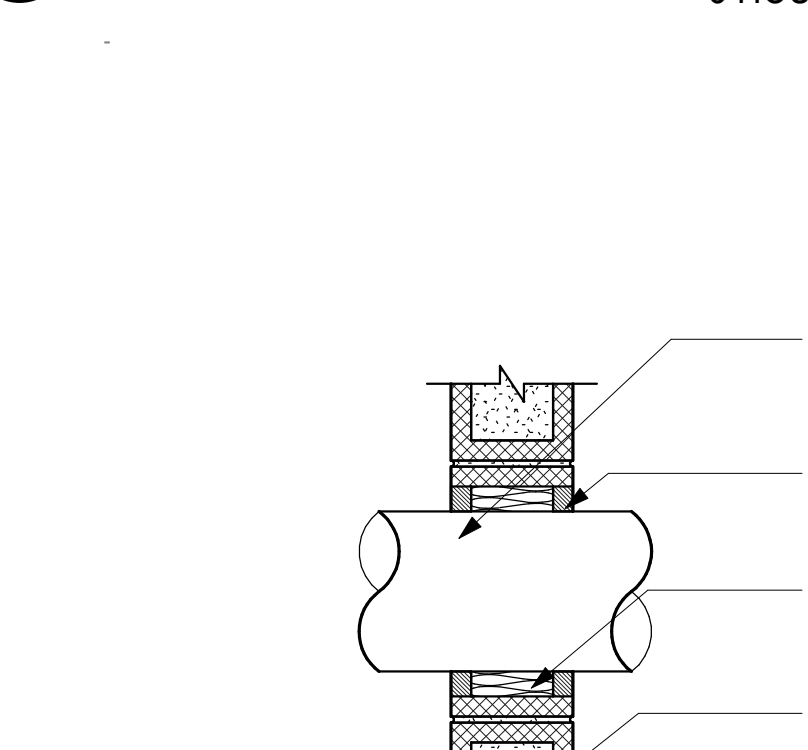
9 FIRE WALL EXT. INTERSECTION

1 1/2" = 1'-0"



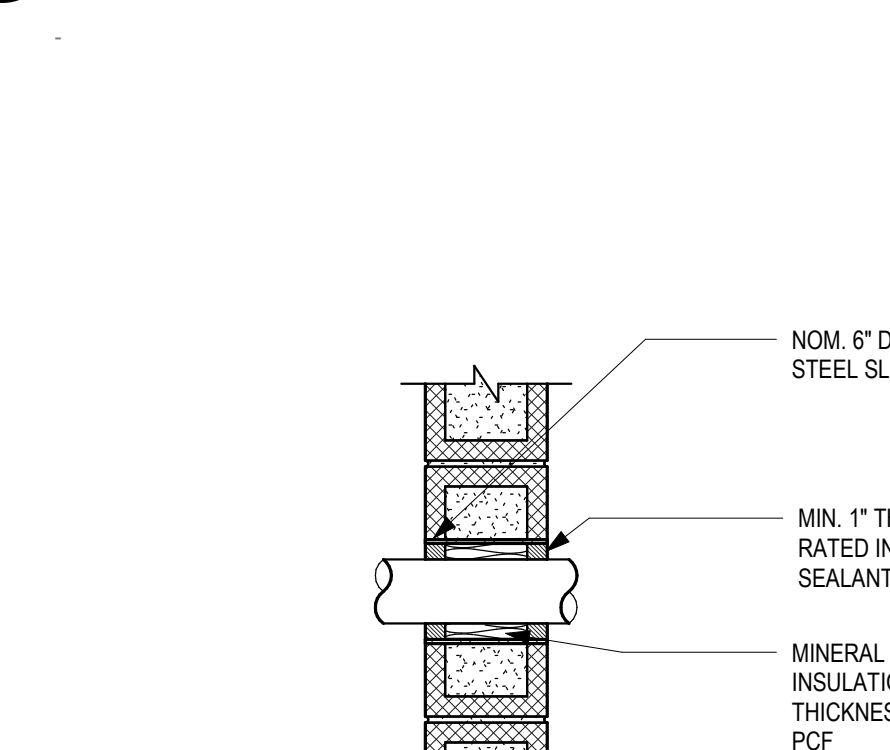
13 FLOOR PENETRATION

1" = 1'-0"



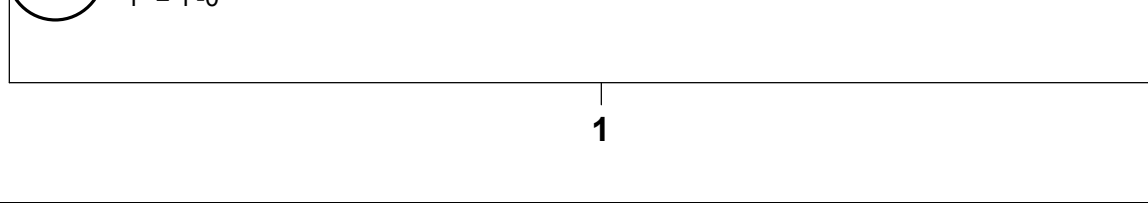
18 RATED WALL PENETRATION

1" = 1'-0"



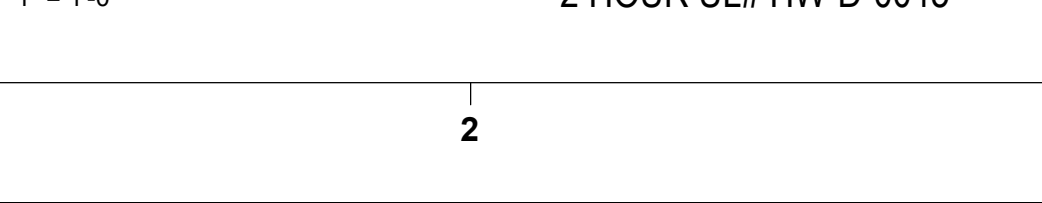
2 RATED WALL

1" = 1'-0"



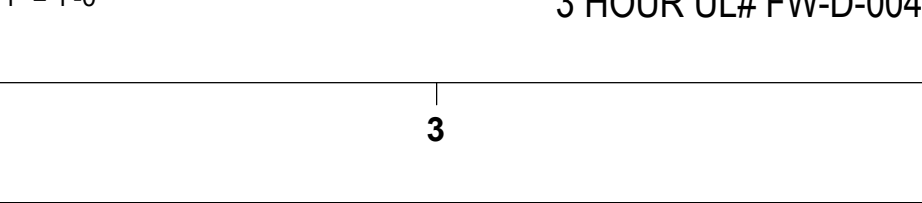
5 WALL @ FLOOR

1" = 1'-0"



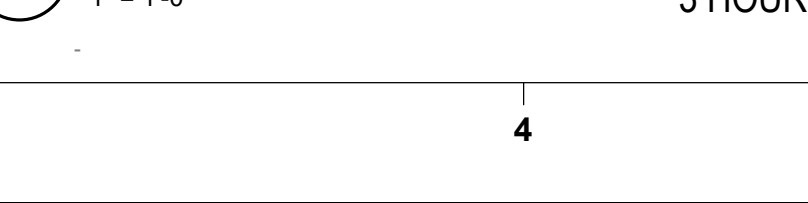
10 FLOOR @ WALL

1" = 1'-0"



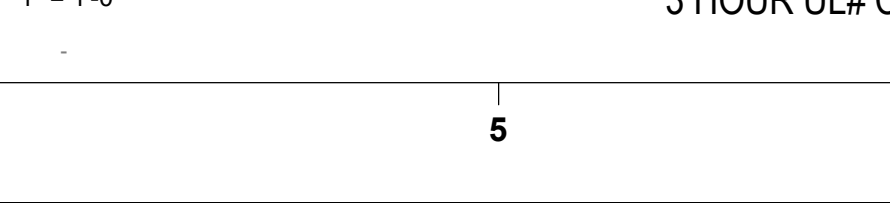
14 WALL PENETRATION

1" = 1'-0"



19 WALL PENETRATION

1" = 1'-0"



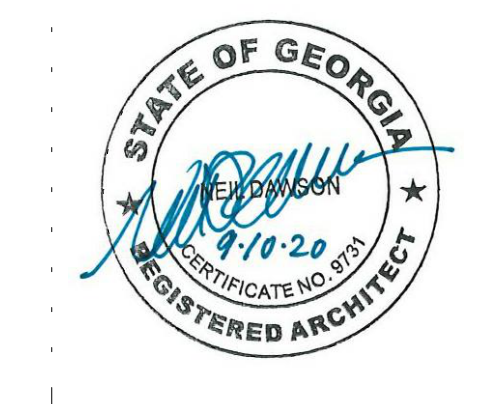
SAVANNAH-CHATHAM COUNTY PUBLIC SCHOOL SYSTEM



RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE



321 WEST CONGRESS STREET SUITE 301 SAVANNAH, GEORGIA 31401 TEL. 912.695.2111 FAX 912.298.0206 WWW.LS3P.COM



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Table with columns: No., Description, Date. Header: REVISIONS:

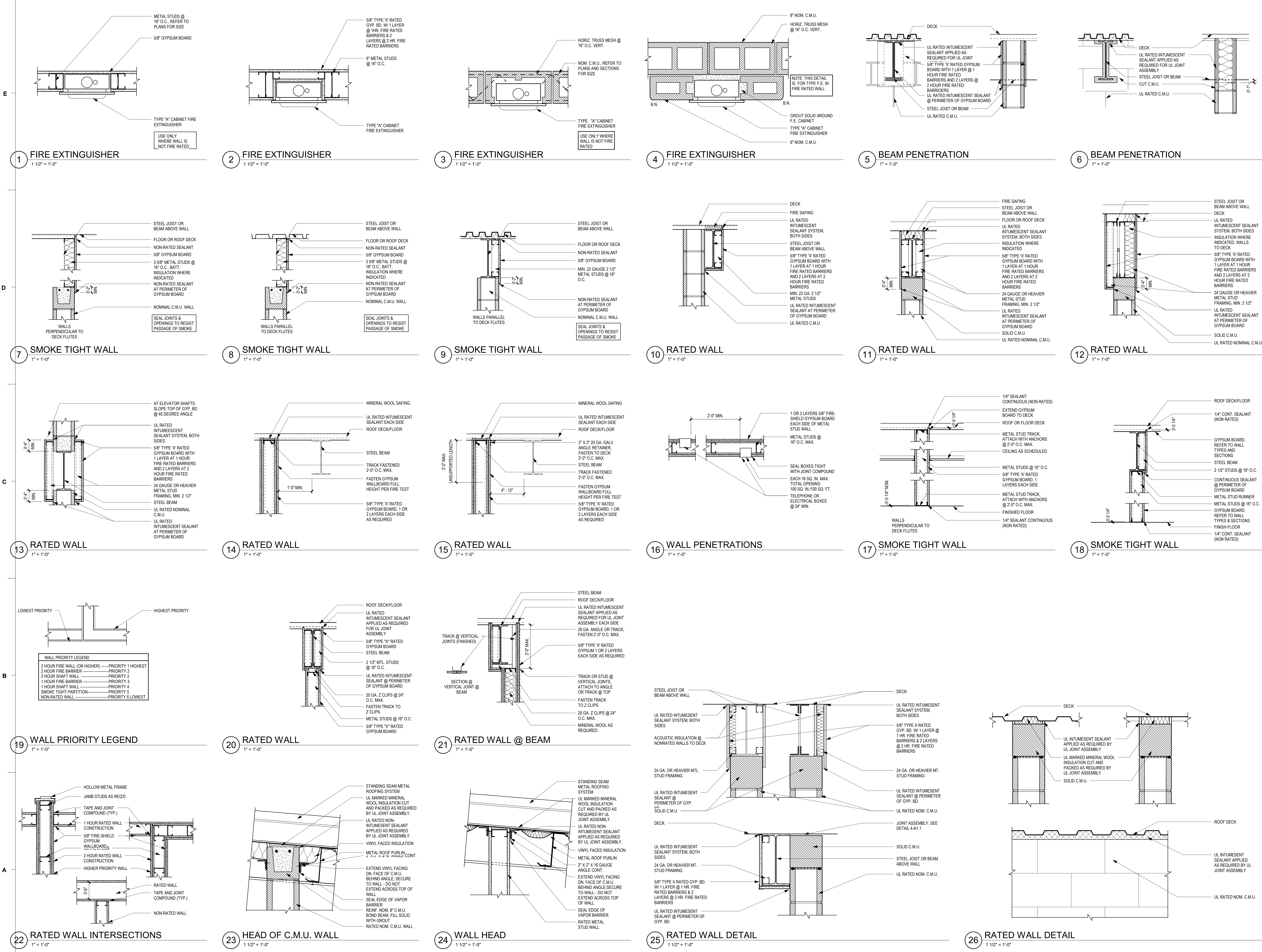
PROJECT: 5201-192070 DATE: 10/09/2020 DRAWN BY: LLH CHECKED BY: DJH

DETAILS - FIRE RATED/LIFE SAFETY

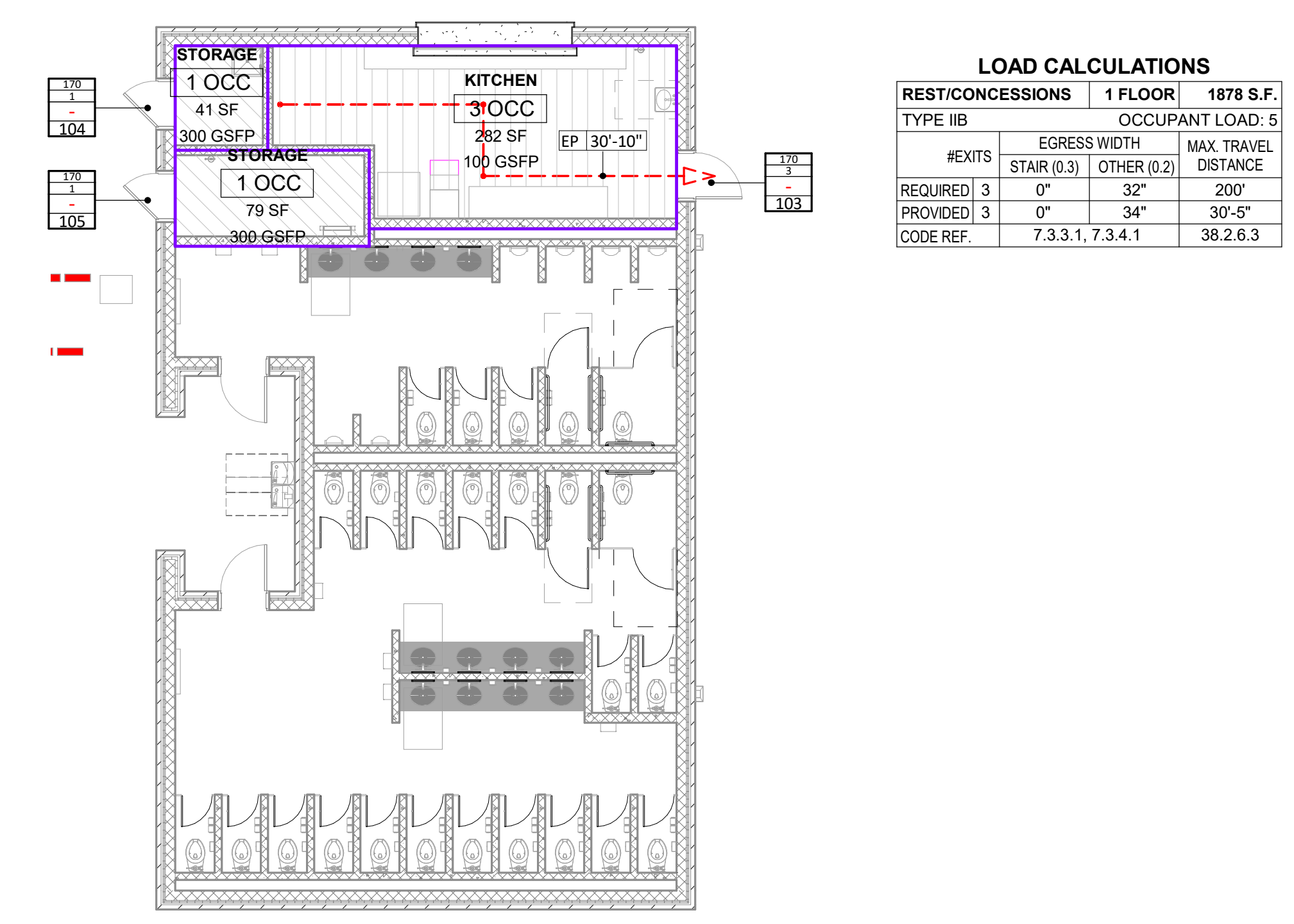
G-102

CONSTRUCTION SET

B:\360\SCCPSS New K12 Multi-School\ARCH_GrownsK12_K12_V2020.rvt 5/29/2023 10:26:11 AM



BIM 360/SCCPSS New K12 Multi-School/ARCH_GrowerK12_K12_2020.rvt
 5/29/2023 10:26:17 AM



LOAD CALCULATIONS

REST/CONCESSIONS		1 FLOOR		1878 S.F.	
TYPE IIB	OCCUPANT LOAD	TYPE IIB			
#EXITS	EGRESS WIDTH	STAIR (0.3)	OTHER (0.2)	MAX TRAVEL DISTANCE	
REQUIRED 3	0"	32"	30"	200'	
PROVIDED 3	0"	34"	30'-5"		
CODE REF.	7.3.3.1, 7.3.4.1 38.2.6.3				

B1 1ST FLOOR LIFE SAFETY PLAN - RESTROOMS
 1/8" = 1'-0"
 NOTE: PROVIDE TWO (2) RESTROOM BUILDINGS - AWAY RESTROOM SHOWN, HOME RESTROOM OPP. HAND.

LOAD CALCULATIONS

3. STORAGE		3246 S.F.	
TYPE IIB	OCCUPANT LOAD	TYPE IIB	
#EXITS	EGRESS WIDTH	STAIR (0.3)	OTHER (0.2)
REQUIRED 4	0"	32"	300'
PROVIDED 6	0"	34-102"	37'-3"
CODE REF.	7.3.3.1, 7.3.4.1 38.2.6.3		

BUILDING FULLY SPRINKLERED

LOAD CALCULATIONS

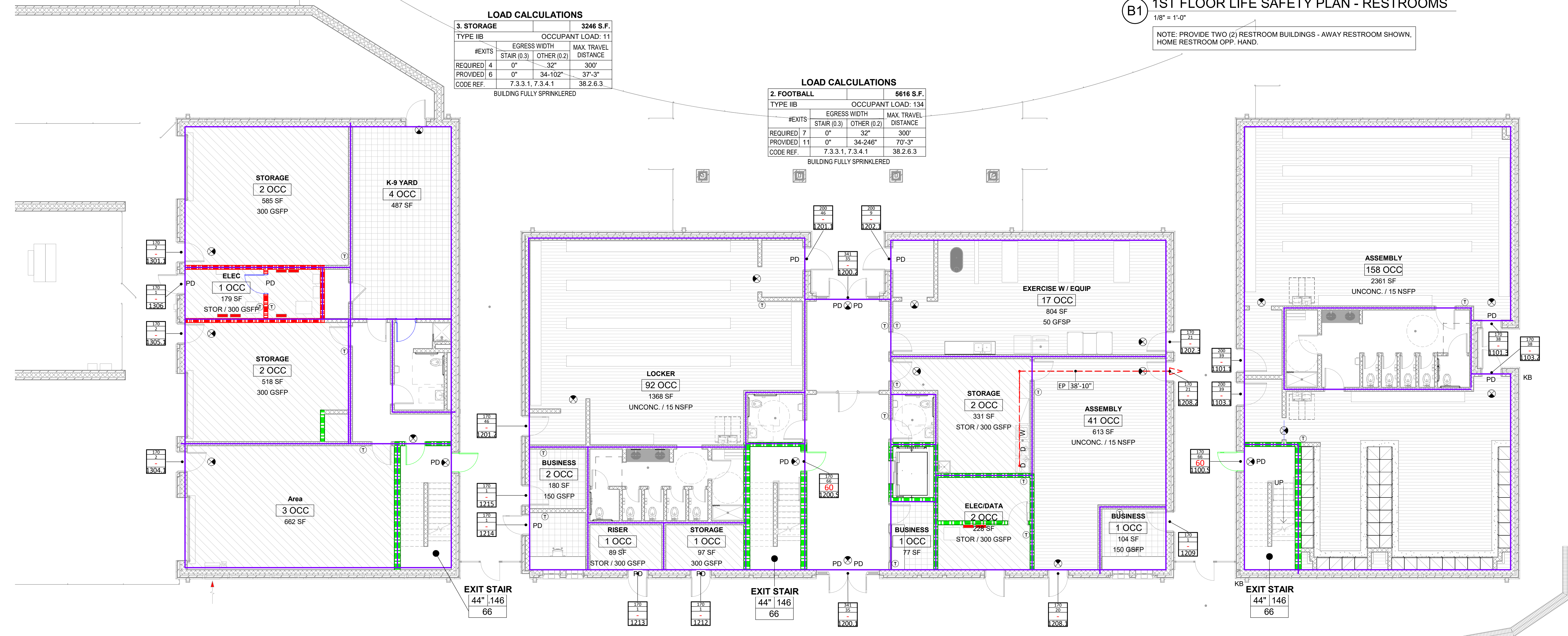
2. FOOTBALL		5616 S.F.	
TYPE IIB	OCCUPANT LOAD	TYPE IIB	
#EXITS	EGRESS WIDTH	STAIR (0.3)	OTHER (0.2)
REQUIRED 7	0"	32"	300'
PROVIDED 11	0"	34-246"	70'-3"
CODE REF.	7.3.3.1, 7.3.4.1 38.2.6.3		

BUILDING FULLY SPRINKLERED

LOAD CALCULATIONS

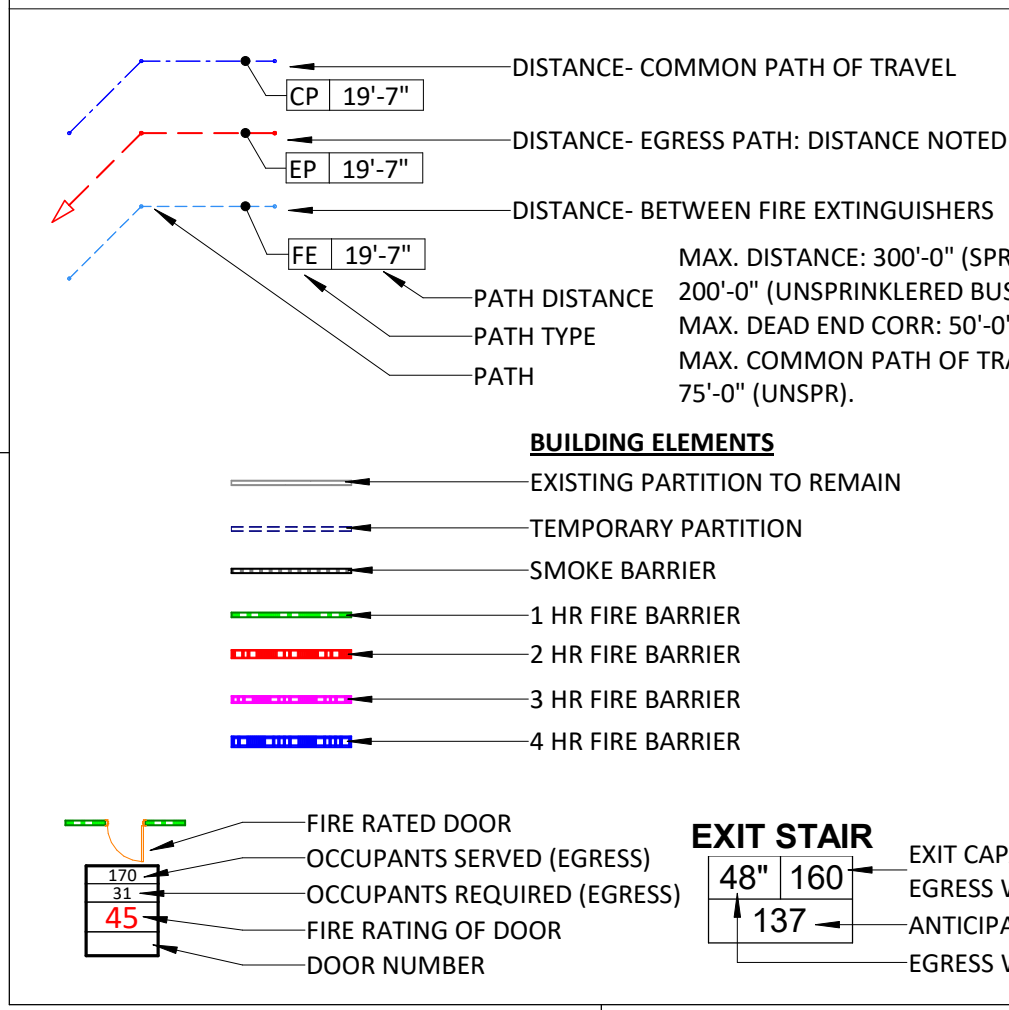
1. POLICE STATION		2 FLOORS		4069 S.F.	
TYPE IIB	OCCUPANT LOAD	TYPE IIB			
#EXITS	EGRESS WIDTH	STAIR (0.3)	OTHER (0.2)	MAX TRAVEL DISTANCE	
REQUIRED 2	0"	32"	300'		
PROVIDED 3	0"	136"	59'-2"		
CODE REF.	7.3.3.1, 7.3.4.1 38.2.6.3				

BUILDING FULLY SPRINKLERED



A1 1ST FLOOR LIFE SAFETY PLAN
 1/8" = 1'-0"

LEGEND - LIFE SAFETY PLANS



GENERAL LIFE SAFETY NOTES

- FIRE RESISTANCE RATINGS SHOWN ARE MINIMUM RATINGS REQUIRED. REFER TO PARTITION TYPES ON A-006, AND SPECIFICATIONS, FOR MORE INFORMATION.
 - FIRE RESISTANCE RATINGS IN PARTITIONS ARE SHOWN WHERE PARTITIONS ARE NOT CUT BY DOORS, WINDOWS, STOREFRONTS, OR OTHER OBJECTS. RATED PARTITION MAY EXIST ABOVE OBJECTS.
- AREA NAME**
 1 OCC OCCUPANCY LOAD
 150 SF ROOM AREA
 OCC TYPE / SF per OCC OCCUPANCY LOAD FACTOR AND METHOD
 OCCUPANCY GROUP
- KB** KNOX BOX **PD** PANIC DEVICE **HO** HOLD OPEN
- EXIT SIGN: AT EXIT (ONE SIDED)
 EXIT SIGN: EXIT DIRECTION (ONE SIDED)
 EXIT SIGN: MULTIPLE EXIT DIRECTION (ONE SIDED)
 EXIT SIGN: TWO FILLED QUADRANTS INDICATE TWO SIDED SIGN (HATCHED AREAS INDICATE DIRECTIONS SIGN IS VISIBLE FROM)
- FE** FIRE EXTINGUISHERS

LIFE SAFETY AREA OCCUPANCY SCHEDULE - 1ST FLOOR

SCHEDULE	AREA	OCCUPANCY TYPE	AREA PER OCCUPANT	OCCUPANCY LOAD
ELEC/DATA	228 SF	Storage Areas	300 SF	2
STORAGE	331 SF	Storage Areas	300 SF	2
BUSINESS	77 SF	Business	150 SF	1
STORAGE	79 SF	Storage Areas	300 SF	1
KITCHEN	282 SF	Kitchens - Commercial	100 SF	3
STORAGE	41 SF	Storage Areas	300 SF	1
KITCHEN	282 SF	Kitchens - Commercial	100 SF	3
STORAGE	41 SF	Storage Areas	300 SF	1
RESTROOM/CONCESSIONS				10
ASSEMBLY	2361 SF	Assembly - Unconcentrated	15 SF	158
K-9 YARD	487 SF	Business	150 SF	4
WING 1: POLICE				162
LOCKER	1368 SF	Assembly - Unconcentrated	15 SF	92
ASSEMBLY	613 SF	Assembly - Unconcentrated	15 SF	41
BUSINESS	104 SF	Business	150 SF	1
BUSINESS	180 SF	Business	150 SF	2
EXERCISE W / EQUIP	804 SF	Assembly - Unconcentrated	15 SF	17

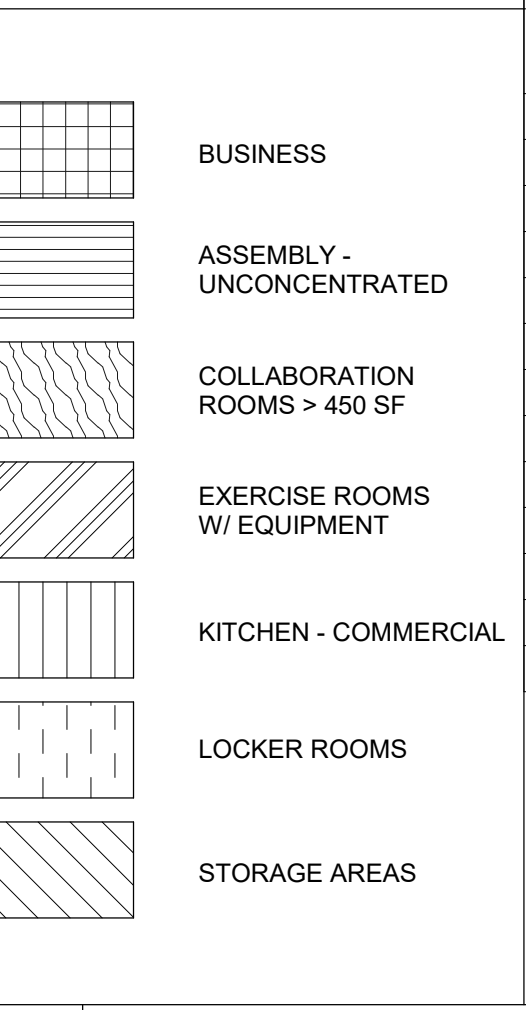
LIFE SAFETY AREA OCCUPANCY SCHEDULE - 1ST FLOOR

SCHEDULE	AREA	OCCUPANCY TYPE	AREA PER OCCUPANT	OCCUPANCY LOAD
STORAGE	97 SF	Storage Areas	300 SF	1
RISER	89 SF	Storage Areas	300 SF	1
WING 2: FOOTBALL				155
STORAGE	518 SF	Storage Areas	300 SF	2
STORAGE	585 SF	Storage Areas	300 SF	2
ELEC	179 SF	Storage Areas	300 SF	1
Area	662 SF	Storage Areas	300 SF	3
WING 3: STORAGE				8
TOTAL				340

GROSS AREA SCHEDULE

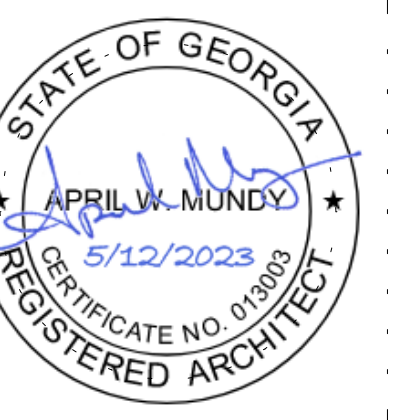
AREA NAME	TOTAL AREA	LEVEL
CONCESSIONS - HOME	1878 SF	1ST FLOOR
CONCESSIONS - AWAY	1878 SF	1ST FLOOR
CONCESSIONS	3757 SF	1ST FLOOR
POLICE 1	4002 SF	1ST FLOOR
STORAGE 1	2594 SF	1ST FLOOR
ATHLETICS STORAGE	652 SF	1ST FLOOR
POLICE 2	11120 SF	2ND FLOOR
STORAGE 2	2002 SF	2ND FLOOR
FIELDHOUSE	25986 SF	2ND FLOOR
TOTAL	29742 SF	

OCC. TYPE LEGEND



LIFE SAFETY AREA OCC. KEY

OCCUPANCY TYPE	AREA PER OCCUPANT
Assembly - Concentrated	7 SF
Assembly - Unconcentrated	15 SF
Business	150 SF
Collaboration Rooms > 450 SF	15 SF
Collaboration Rooms ≤ 450 SF	30 SF
Concentrated Business	50 SF
Educational - Classroom	20 SF
Educational - Vocational	50 SF
Exercise Rooms - w/o Equipment	15 SF
Exercise Rooms - with Equipment	50 SF
Kitchens - Commercial	100 SF
Locker Rooms	50 SF
Storage Areas	300 SF

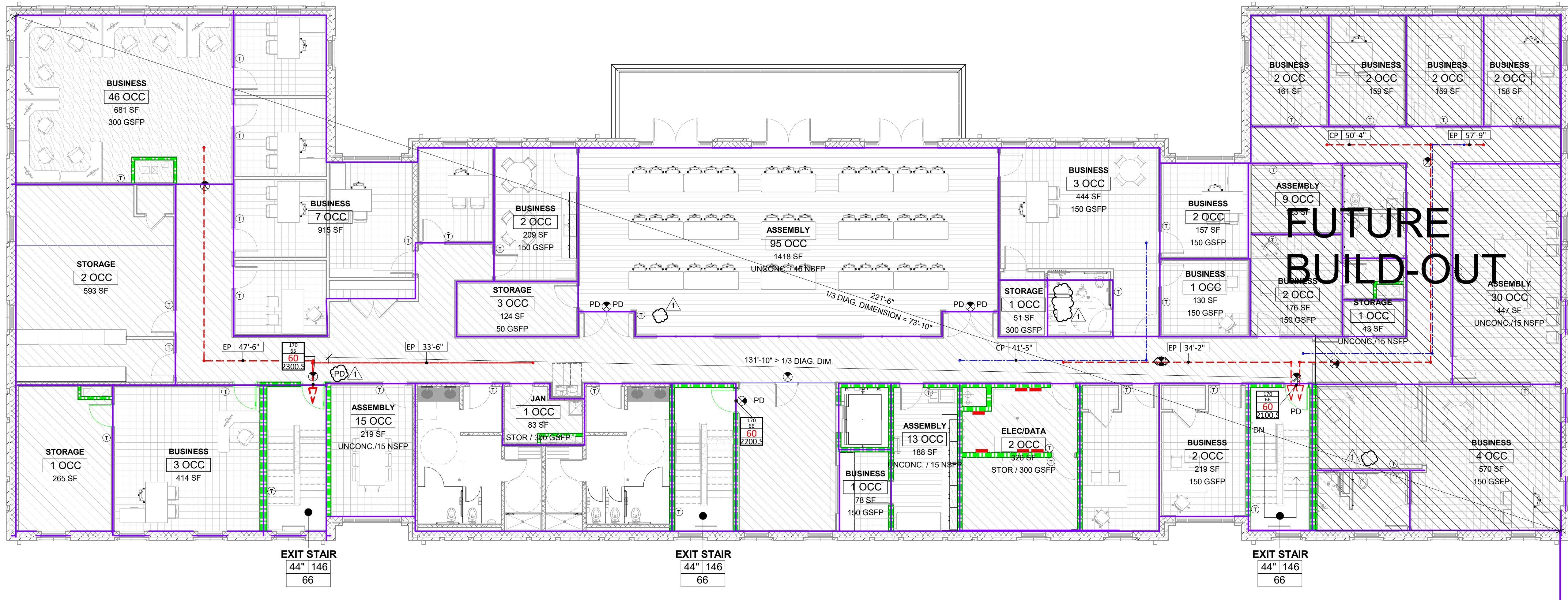


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REVISIONS:

No.	Description	Date
1	Addendum 3	10/30/20



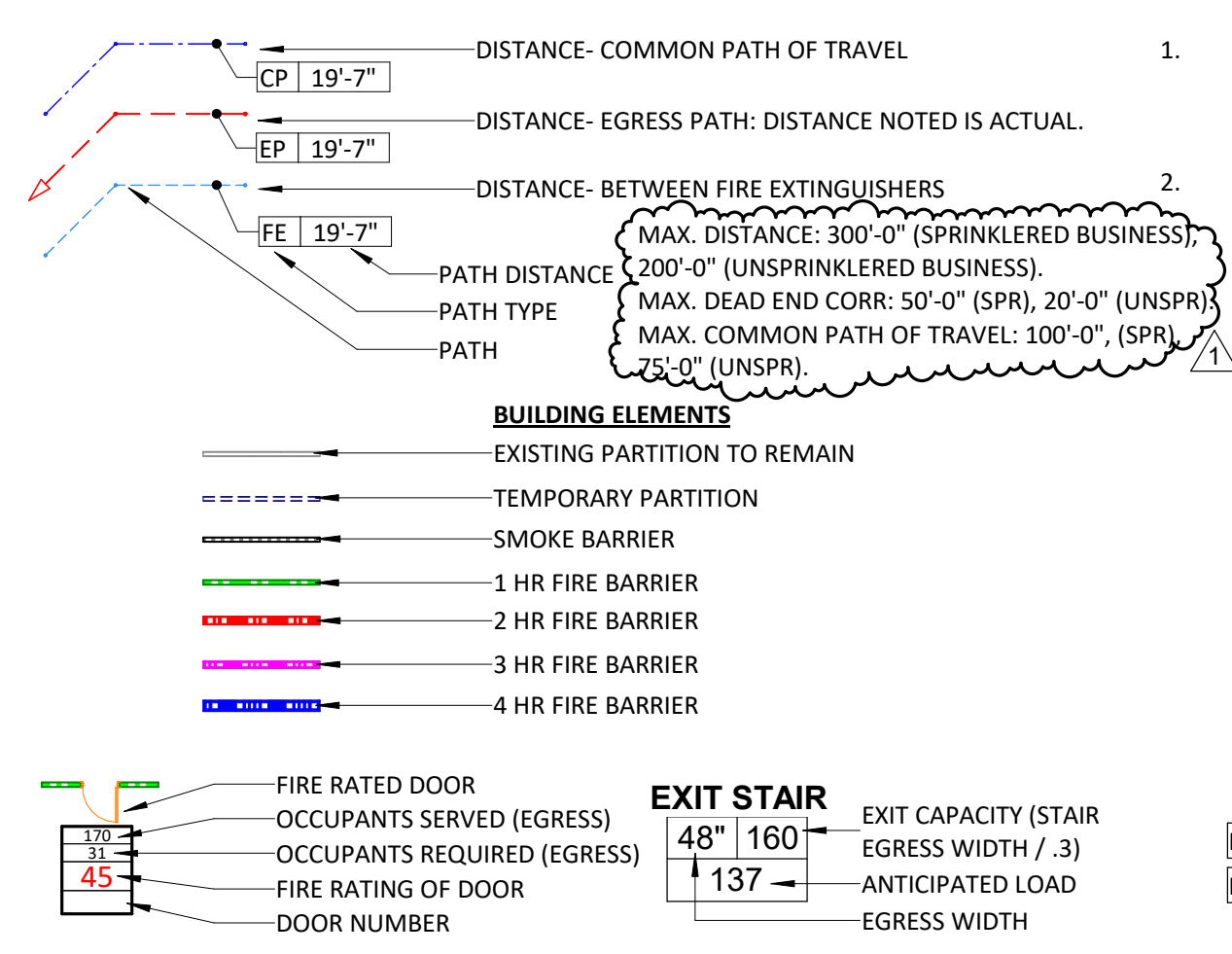
A1 2ND FLOOR LIFE SAFETY PLAN
1/8" = 1'-0"

LOAD CALCULATIONS

POLICE STATION		2 FLOORS	12,731 S.F.
TYPE	IB	OCCUPANT LOAD: 180	
EXITS	EGRESS WIDTH	MAX. TRAVEL DISTANCE	
REQUIRED	2 54'-6"	36'-4"	300'
PROVIDED	2 88"	68"	99'-4"
CODE REF.	7.3.3.1		38.2.6.3

BUILDING FULLY SPRINKLERED

LEGEND - LIFE SAFETY PLANS



GENERAL LIFE SAFETY NOTES

- FIRE RESISTANCE RATINGS SHOWN ARE MINIMUM RATINGS REQUIRED. REFER TO PARTITION TYPES ON A-006, AND SPECIFICATIONS, FOR MORE INFORMATION.
 - FIRE RESISTANCE RATINGS IN PARTITIONS ARE SHOWN WHERE PARTITIONS ARE NOT CUT BY DOORS, WINDOWS, STOREFRONTS, OR OTHER OBJECTS. RATED PARTITION MAY EXIST ABOVE OBJECTS.
- AREA NAME**
1 OCC OCCUPANCY LOAD
150 SF ROOM AREA
OCC TYPE / SF per OCC OCCUPANCY LOAD FACTOR AND METHOD
OCCUPANCY GROUP
- KB KNOX BOX PD PANIC DEVICE HO HOLD OPEN
- EXIT SIGN: AT EXIT (ONE SIDED)
EXIT SIGN: EXIT DIRECTION (ONE SIDED)
EXIT SIGN: MULTIPLE EXIT DIRECTION (ONE SIDED)
EXIT SIGN: TWO FILLED QUADRANTS INDICATE TWO SIDED SIGN (HATCHED AREAS INDICATE DIRECTIONS SIGN IS VISIBLE FROM)
- FE01 FIRE EXTINGUISHERS
- EXIT STAIR**
EXIT CAPACITY (STAIR)
48" 160
EGRESS WIDTH / (3)
137
EGRESS WIDTH

LIFE SAFETY AREA OCCUPANCY SCHEDULE - 2ND FLOOR

SCHEDULE	AREA	OCCUPANCY TYPE	AREA PER OCCUPANT	OCCUPANCY LOAD
BUSINESS	78 SF	Business	150 SF	1
ASSEMBLY	188 SF	Assembly - Unconcentrated	15 SF	13
JAN	83 SF	Storage Areas	300 SF	1
ELEC/DATA	326 SF	Storage Areas	300 SF	2
ASSEMBLY	447 SF	Assembly - Unconcentrated	15 SF	30
BUSINESS	130 SF	Business	150 SF	1
STORAGE	124 SF	Storage Areas	300 SF	3
BUSINESS	157 SF	Business	150 SF	2
BUSINESS	176 SF	Business	150 SF	2
ASSEMBLY	1418 SF	Assembly - Unconcentrated	15 SF	95
ASSEMBLY	219 SF	Business	150 SF	15
STORAGE	2151 SF	Storage Areas	300 SF	1
BUSINESS	681 SF	Collaboration Rooms > 450 SF	15 SF	46
BUSINESS	219 SF	Business	150 SF	2
BUSINESS	444 SF	Business	150 SF	3
BUSINESS	209 SF	Business	150 SF	2
BUSINESS	570 SF	Business	150 SF	4
STORAGE	51 SF	Storage Areas	300 SF	1
STORAGE	43 SF	Storage Areas	300 SF	1

LIFE SAFETY AREA OCCUPANCY SCHEDULE - 2ND FLOOR GROSS AREA SCHEDULE

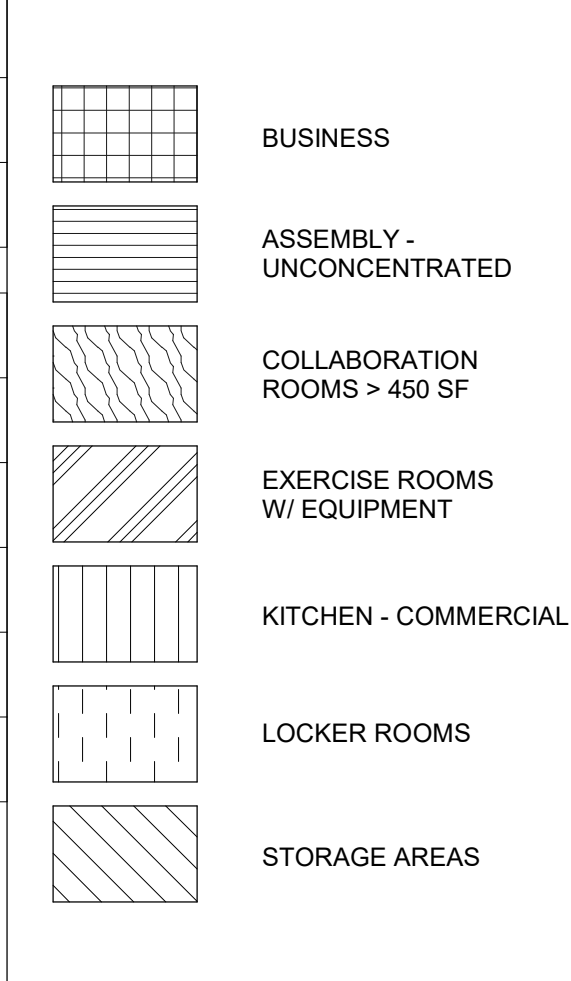
SCHEDULE	AREA	OCCUPANCY TYPE	AREA PER OCCUPANT	OCCUPANCY LOAD
BUSINESS	915 SF	Business	150 SF	7
STORAGE	593 SF	Storage Areas	300 SF	2
BUSINESS	414 SF	Business	150 SF	3
STORAGE	265 SF	Storage Areas	300 SF	1
BUSINESS	217 SF	Business	150 SF	2
BUSINESS	161 SF	Business	150 SF	2
BUSINESS	124 SF	Business	150 SF	2
BUSINESS	159 SF	Business	150 SF	2
BUSINESS	158 SF	Business	150 SF	2
ASSEMBLY	123 SF	Assembly - Unconcentrated	15 SF	9

257

GROSS AREA SCHEDULE

AREA NAME	TOTAL AREA	LEVEL
CONCESSIONS - HOME	1878 SF	1ST FLOOR
CONCESSIONS - AWAY	1878 SF	1ST FLOOR
CONCESSIONS	3757 SF	
ATHLETICS	5616 SF	1ST FLOOR
POLICE 1	4002 SF	1ST FLOOR
STORAGE 1	2594 SF	1ST FLOOR
ATHLETICS STORAGE	652 SF	1ST FLOOR
POLICE 2	11120 SF	2ND FLOOR
STORAGE 2	2002 SF	2ND FLOOR
FIELDHOUSE	25986 SF	
TOTAL	29742 SF	

OCC. TYPE LEGEND



LIFE SAFETY AREA OCC. KEY

OCCUPANCY TYPE	AREA PER OCCUPANT
Assembly - Concentrated	7 SF
Assembly - Unconcentrated	15 SF
Business	150 SF
Collaboration Rooms > 450 SF	15 SF
Collaboration Rooms ≤ 450 SF	30 SF
Concentrated Business	50 SF
Educational - Classroom	20 SF
Educational - Vocational	50 SF
Exercise Rooms - w/o Equipment	15 SF
Exercise Rooms - with Equipment	50 SF
Kitchens - Commercial	100 SF
Locker Rooms	50 SF
Storage Areas	300 SF

PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: KAS
CHECKED BY: AWM

2ND FLOOR LIFE SAFETY PLAN

G-105

POST-INSTALLED REBAR, ANCHORS, AND FASTENERS

1. THE PRODUCTS BELOW ARE THE DESIGN BASIS FOR THIS PROJECT. PRODUCT DIAMETER AND EMBEDMENT SHALL BE AS SHOWN IN THE DETAILS. INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPI). CONTRACTOR SHALL CONTACT MANUFACTURER'S REPRESENTATIVE FOR PRODUCT INSTALLATION TRAINING AND A LETTER SHALL BE SUBMITTED TO THE ENGINEER OF RECORD INDICATING THAT TRAINING HAS TAKEN PLACE. REFER TO THE PROJECT BUILDING CODE AND/OR EVALUATION REPORT FOR SPECIAL INSPECTIONS AND PROOF LOAD REQUIREMENTS. SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE LISTED BELOW MAY BE SUBMITTED BY THE CONTRACTOR TO THE ENGINEER OF RECORD FOR REVIEW. SUBSTITUTIONS WILL ONLY BE CONSIDERED FOR PRODUCTS HAVING A RESEARCH REPORT RECOGNIZING THE PRODUCT FOR THE APPROPRIATE APPLICATION UNDER THE PROJECT BUILDING CODE. SUBSTITUTION REQUESTS SHALL INCLUDE CALCULATIONS THAT DEMONSTRATE THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE EQUIVALENT PERFORMANCE VALUES OF THE DESIGN BASIS PRODUCT.

FOR ANCHORING INTO CONCRETE:

1. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 308.2 AND ICC-ES AC108 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. PRE-APPROVED PRODUCTS INCLUDE:
- SCREW ANCHORS**
- a. SIMPSON STRONG-TIE TITEN-HD (ICC-ES ESR-2713)
 - b. DEWALT SCREW-BOLT+ (ICC-ES ESR-3889)
 - c. HILTI KWIK HUS EZ SCREW ANCHORS (ICC-ES ESR-3027)
- EXPANSION ANCHORS**
- d. SIMPSON STRONG-TIE STRONG-BOLT 2 (ICC-ES ESR-3037)
 - e. DEWALT POWER-STUD+ SD2 (ICC-ES ESR-2502)
 - f. HILTI KWIK TZ (ICC-ES ESR-1917)
- UNDERCUT ANCHORS**
- g. SIMPSON STRONG-TIE TORQ-CUT (ICC-ES ESR-2705)
 - h. DEWALT ATOMIC+ UNDERCUT (ICC-ES ESR-3067)
 - i. HILTI HDA UNDERCUT (ICC-ES ESR-1546)
2. ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 308.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN BOND STRENGTH HAS BEEN BASED ON CRACKED CONCRETE, ACI 308.4 TEMPERATURE CATEGORY B, AND INSTALLATIONS INTO DRY HOLES DRILLED USING A HAMMER DRILL INTO CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-14 17.8.2.2 WHERE INDICATED ON THE CONTRACT DOCUMENTS. INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-14 17.8.2.4. PRE-APPROVED PRODUCTS INCLUDE:
- a. SIMPSON STRONG-TIE SET-3G (APMO-JES ER-4057)
 - b. SIMPSON STRONG-TIE AT-XP (APMO-JES ER-263)
 - c. DEWALT PURE 110+ (ICC-ES ESR-3298)
 - d. DEWALT AC200+ (ICC-ES ESR-4027)
 - e. HILTI HIT-HY 200R (ICC-ES ESR-3187)
 - f. HILTI HIT-HY 200-A (ICC-ES ESR-3187)
3. POWDER-POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:
- a. SIMPSON STRONG-TIE GAS ACTUATED PINS (ICC-ES ESR-2811)
 - b. SIMPSON STRONG-TIE POWDER ACTUATED PINS (ICC-ES ESR-2138)
 - c. DEWALT GAS ACTUATED FASTENERS (ICC-ES ESR-3275)
 - d. DEWALT POWDER ACTUATED FASTENERS (ICC-ES ESR-2024)
 - e. HILTI X-U (ICC-ES ESR-2289)

FOR ANCHORING INTO SOLID GROUTED CONCRETE MASONRY:

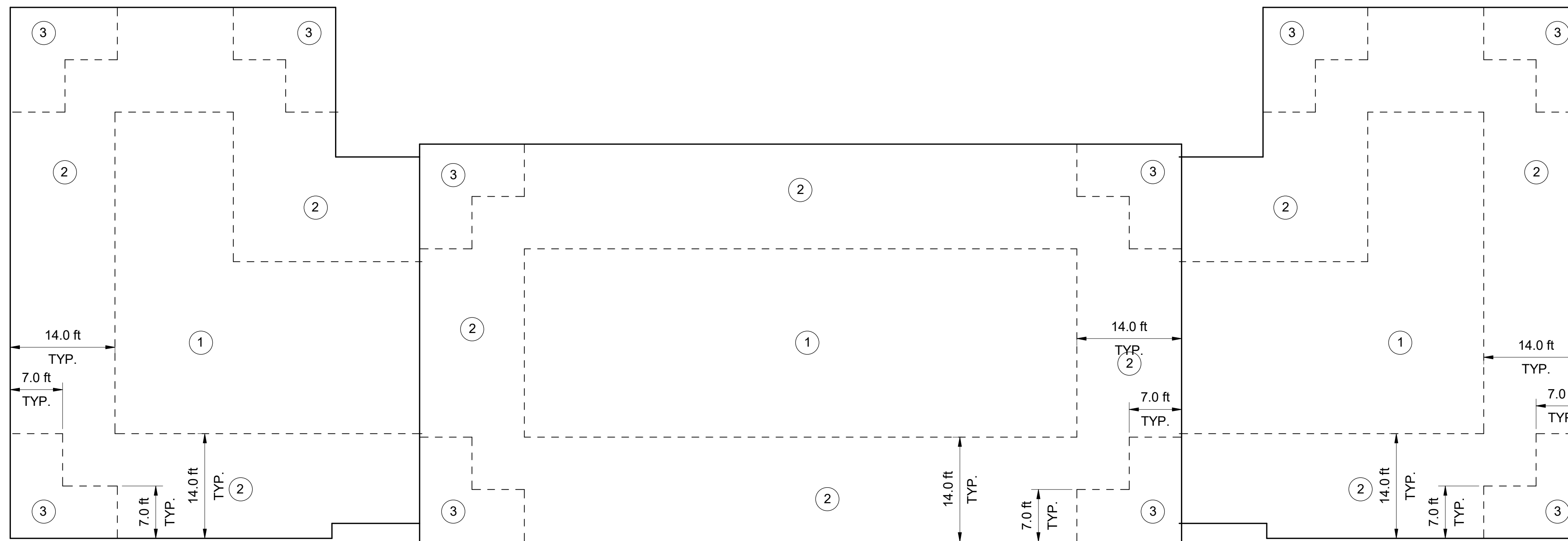
1. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC01 OR ICC-ES AC106. PRE-APPROVED PRODUCTS INCLUDE:
- SCREW ANCHORS**
- a. SIMPSON STRONG-TIE TITEN-HD (ICC-ES ESR-1056)
 - b. DEWALT SCREW-BOLT+ (ICC-ES ESR-4042)
- EXPANSION ANCHORS**
- c. SIMPSON STRONG-TIE STRONG-BOLT 2 (APMO-JES ER-240)
 - d. DEWALT POWER-STUD+ SD1 (ICC-ES ESR-2966)
 - e. HILTI KWIK BOLT-3 (ICC-ES ESR-1385)
2. ADHESIVE FOR REBAR AND ANCHORS WITH SCREEN TUBES SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC58. PRE-APPROVED PRODUCTS INCLUDE:
- a. SIMPSON STRONG-TIE AT-XP (APMO-JES ER-263)
 - b. SIMPSON STRONG-TIE SET-XP (APMO-JES ER-2508)
 - c. DEWALT AC100+ GOLD (ICC-ES ESR-3200)
 - d. HILTI HIT-HY 70 (ICC-ES ESR-2682)
3. POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:
- a. SIMPSON STRONG-TIE GAS ACTUATED PINS (ICC-ES ESR-2811)
 - b. SIMPSON STRONG-TIE POWDER ACTUATED PINS (ICC-ES ESR-2138)
 - c. DEWALT GAS ACTUATED FASTENERS (ICC-ES ESR-3275)
 - d. DEWALT POWDER ACTUATED FASTENERS (ICC-ES ESR-2024)
 - e. HILTI X-U (ICC-ES ESR-2289)

FOR ANCHORING INTO HOLLOW CONCRETE MASONRY:

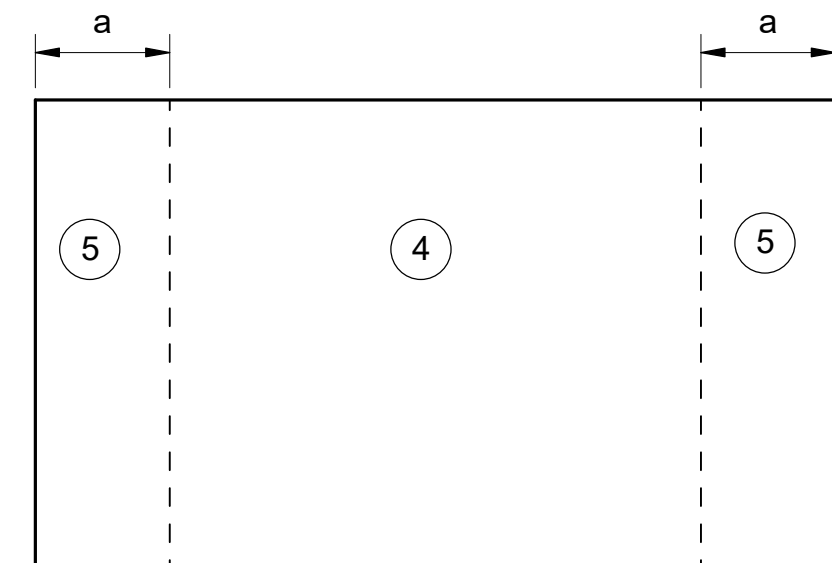
1. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC106. PRE-APPROVED PRODUCTS INCLUDE:
- a. SIMPSON STRONG-TIE TITEN-HD (ICC-ES ESR-1056)
2. ADHESIVE FOR REBAR AND ANCHORS WITH SCREEN TUBES SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC58. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MFR. PRE-APPROVED PRODUCTS INCLUDE:
- a. SIMPSON STRONG-TIE SET-XP (ICC-ES ESR-2508)
 - b. DEWALT AC100+ GOLD (ICC-ES ESR-3200)
3. POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:
- a. SIMPSON STRONG-TIE GAS ACTUATED PINS (ICC-ES ESR-2811)
 - b. SIMPSON STRONG-TIE POWDER ACTUATED PINS (ICC-ES ESR-2138)
 - c. DEWALT GAS ACTUATED FASTENERS (ICC-ES ESR-3275)

FOR FASTENING INTO STEEL:

1. POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:
- a. SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811)
 - b. SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138)
 - c. DEWALT GAS ACTUATED FASTENERS (ICC-ES ESR-3275)
 - d. DEWALT POWDER ACTUATED FASTENERS (ICC-ES ESR-2024)
 - e. HILTI X-U (ICC-ES ESR-2289)



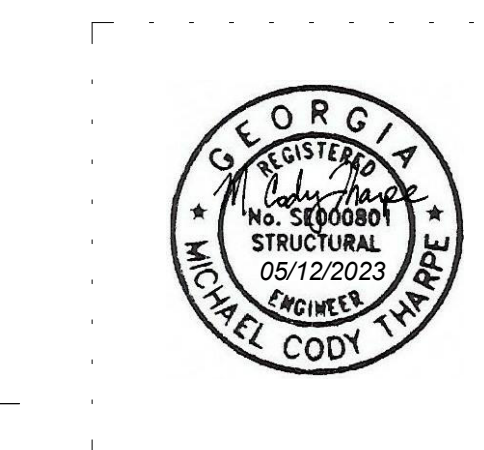
**COMPOONENTS AND CLADDING DIAGRAM
PLAN**



**COMPOONENTS AND CLADDING DIAGRAM
TYPICAL WALL**

COMPONENTS AND CLADDING ULTIMATE WIND PRESSURES

ELEMENT	ZONE	AREA (SQ. FT.)	p _{net} (PSF)		
			POSITIVE	NEGATIVE	
ROOF	1	≤10	17.3	-42.4	
		20	16.1	-41.3	
		50	16.0	-39.9	
		>100	16.0	-38.8	
		≤10	17.3	-71.2	
		20	16.1	-36.6	
	2	50	16.0	-53.5	
		>100	16.0	-46.0	
		2 (OVERHANG)	≤10	--	-61.1
			20	--	-60.0
			50	--	-58.6
			>100	--	-57.5
3	≤10		17.3	-107.1	
	20		16.1	-89.6	
	50	16.0	-84.4		
	>100	16.0	-46.0		
	3 (OVERHANG)	≤10	--	-100.6	
		20	--	-79.0	
50		--	-50.4		
>100		--	-28.7		
WALL		4	≤10	42.4	-46.0
			20	40.5	-44.1
	50		38.0	-41.6	
	100		36.1	-39.6	
	>500		31.6	-35.2	
	≤10		42.4	-66.6	
	5	20	40.5	-52.9	
		50	38.0	-47.9	
		100	36.1	-44.1	
		>500	31.6	-35.2	



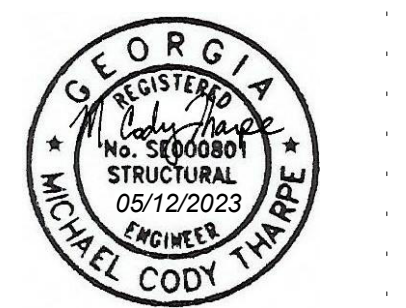
REVISIONS:

No.	Description	Date
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PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: BTH
CHECKED BY: SJP

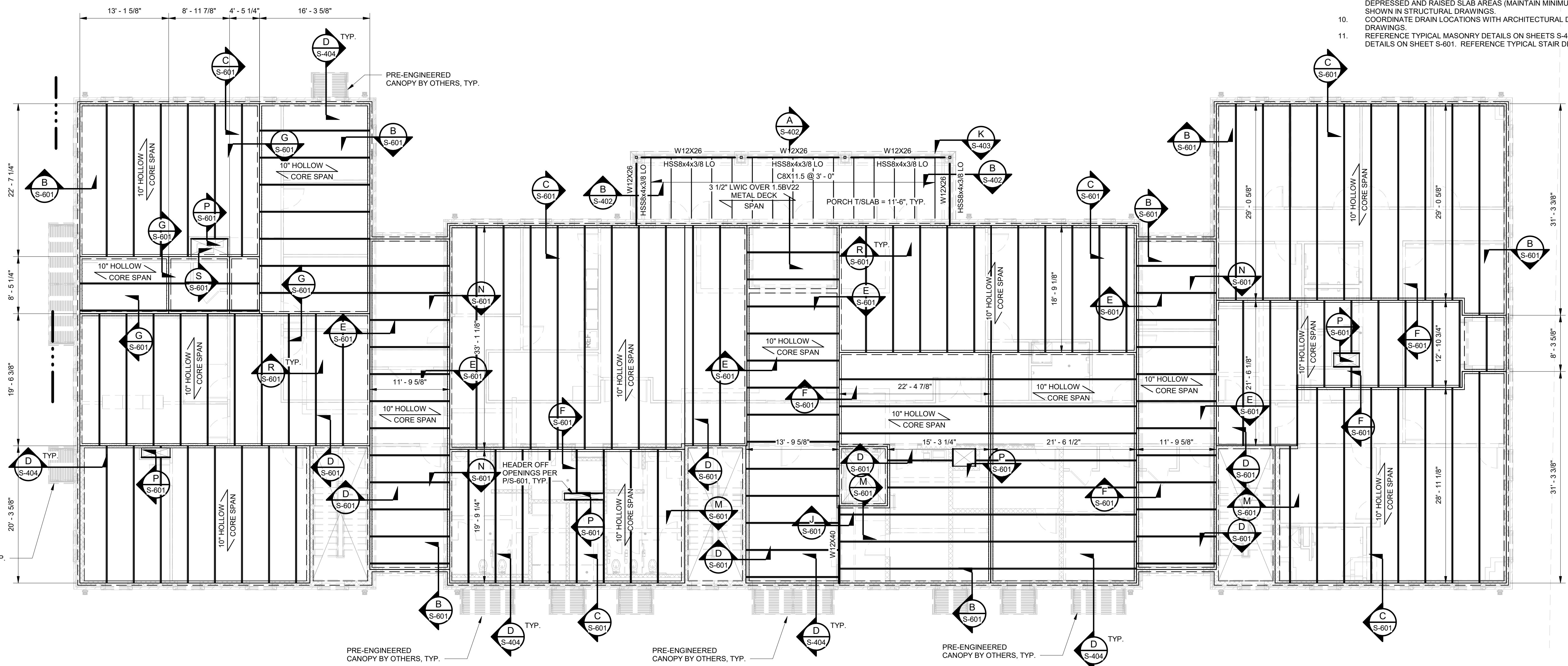
GENERAL NOTES, COMPONENTS & CLADDING

S-003



No.	Description	Date

- NOTES:
1. T/SLAB ELEV. (0'-0") IS FOR REFERENCE ONLY. COORD. ELEV. w/ ARCH. & CIVIL DWGS.
 2. T/HOLLOW CORE = 13'-2", U.N.O.
 3. GC TO VERIFY ALL DIMENSIONS SHOWN IN THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL DRAWINGS AND REPORT ANY DISCREPANCIES OR DIMENSIONS NOT SHOWN ON ARCHITECTURAL DRAWINGS FOR CLARIFICATION.
 4. ELEVATOR SHAFT DIMENSIONS SHALL BE COORDINATED w/ ARCHITECT'S DWGS. & ELEVATOR MANUFACTURER'S WRITTEN REQUIREMENTS.
 5. FOR TYPE, SIZE AND EXTENTS OF CMU PARTITION WALLS, SEE ARCH. DWGS. AT ALL NON-LOADBEARING CMU PARTITIONS, BRACE TO ROOF STRUCTURE PER DETAILS K&LS-402.
 6. FOR TYPICAL CMU PARTITION LOADINGS ON HOLLOW CORE, SEE K/S-601.
 7. MASONRY WALLS ARE 8CMU32 UNLESS NOTED OTHERWISE. SEE B/S-401 FOR CMU WALL SCHEDULE.
 8. FOR CMU LINTEL AND JAMB SCHEDULE SEE A/S-401.
 9. SEE ARCHITECTURAL DRAWINGS FOR SLAB SLOPING REQUIREMENTS (MAINTAIN MINIMUM THICKNESS NOTED), DEPRESSED AND RAISED SLAB AREAS (MAINTAIN MINIMUM THICKNESS NOTED), AND ALL DIMENSIONS NOT SHOWN IN STRUCTURAL DRAWINGS.
 10. COORDINATE DRAIN LOCATIONS WITH ARCHITECTURAL DRAWINGS. SLOPE TO DRAIN PER ARCHITECTURAL DRAWINGS.
 11. REFERENCE TYPICAL MASONRY DETAILS ON SHEETS S-401 TO S-404. REFERENCE TYPICAL HOLLOW CORE DETAILS ON SHEET S-601. REFERENCE TYPICAL STAIR DETAILS ON SHEET S-501.



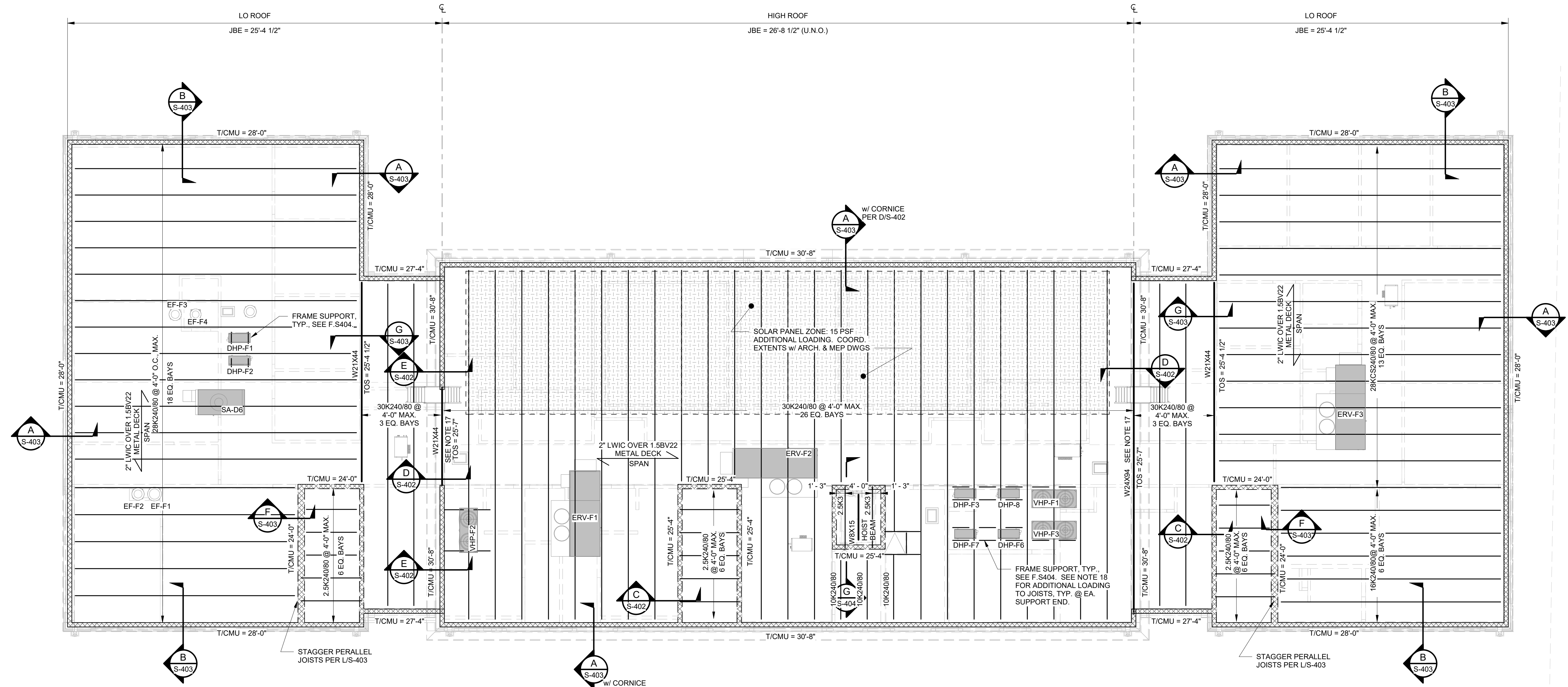
A 2nd FLOOR FRAMING PLAN
1/8" = 1'-0"

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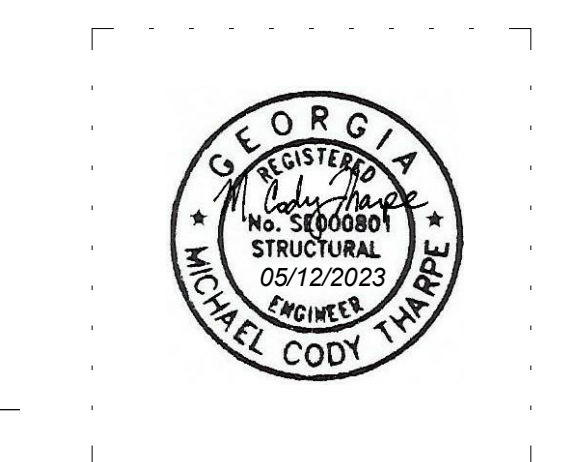
No.	Description	Date

- NOTES:
1. TISLAB ELEV. (0'-0") IS FOR REFERENCE ONLY. COORD. ELEV. w/ ARCH. & CIVIL DWGS.
 2. ROOF TOS AS SHOWN ON PLAN.
 3. TICMU AS SHOWN ON PLAN.
 4. SEE B/S-401 FOR CMU WALL SCHEDULE.
 5. FOR CMU LINTEL AND JAMB SCHEDULE SEE A/S-401.
 6. GC TO VERIFY ALL DIMENSIONS SHOWN IN THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL DRAWINGS AND REPORT ANY DISCREPANCIES OR DIMENSIONS NOT SHOWN ON ARCHITECTURAL DRAWINGS FOR CLARIFICATION.
 7. ELEVATOR SHAFT DIMENSIONS SHALL BE COORDINATED w/ ARCHITECT'S DWGS. & ELEVATOR MANUFACTURER'S WRITTEN REQUIREMENTS.
 8. CMU WALLS BRACE TO ROOF STRUCTURE PER DETAILS K&L/S-402.
 9. 1.58V22 ROOF DECK, TYP. U.N.O.
 10. ALL K-SERIES JOISTS SHALL HAVE A 2 1/2" JOIST SEAT, U.N.O.
 11. JOIST LOCATIONS SHOWN ON DRAWINGS ARE SCHEMATIC IN NATURE AND MAY BE ADJUSTED AS REQUIRED TO MEET MAXIMUM SPACING REQUIREMENTS, SUPPORT EQUIPMENT THAT MAY NOT BE RELOCATED, OR TO AVOID INTERFERENCES WITH WALLS, MEP, OR EXISTING CONDITIONS. PROVIDE FINAL JOIST LAYOUT FOR REVIEW AND APPROVAL.
 12. K-SERIES JOISTS CAN BE SUBSTITUTED FOR KCS @ RTU SUPPORT AS NEEDED.
 13. JOIST BRIDGING NOT SHOWN FOR CLARITY. PROVIDE STANDARD BRIDGING FOR ALL JOISTS PER THE LATEST EDITION OF THE S.I.I. SPECIFICATIONS.
 14. JOIST MFR SHALL VERIFY/COORD RTU WEIGHTS AND LOCATIONS WITH MECH DWGS. RTU WEIGHTS SHOWN ON DRAWINGS HAVE NOT BEEN INCORPORATED INTO THE JOISTS SPECIFIED ON THIS SHEET. JOIST DESIGNER TO INCLUDE RTU WEIGHTS IN THE FINAL JOIST DESIGN.
 15. SEE A&B/C/S-404 FOR SUPPLEMENTAL ANGLE FRAMING REQUIRED TO SUPPORT MECH EQUIP. AND OTHER CONCENTRATED LOADS. COORDINATE LOCATIONS WITH MECH ARCH DWGS.
 16. REFERENCE TYPICAL MASONRY DETAILS ON SHEETS S-401 TO S-404. REFERENCE TYPICAL STAIR DETAILS ON SHEET S-501.
 17. CMU PARAPET ABOVE WF BEAM.
 18. UNIFORMED LOADING AT JOIST FROM EACH END OF FRAME SUPPORT.
 19. LOADING TO JOISTS FROM RTU FRAME SUPPORTS:
 - a. VERTICAL LOADING (POSITIVE = DOWN):
 - 1. D = 1.0 KIPS
 - 2. W = 0.1 KIPS



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A ROOF FRAMING PLAN
1/8" = 1'-0"



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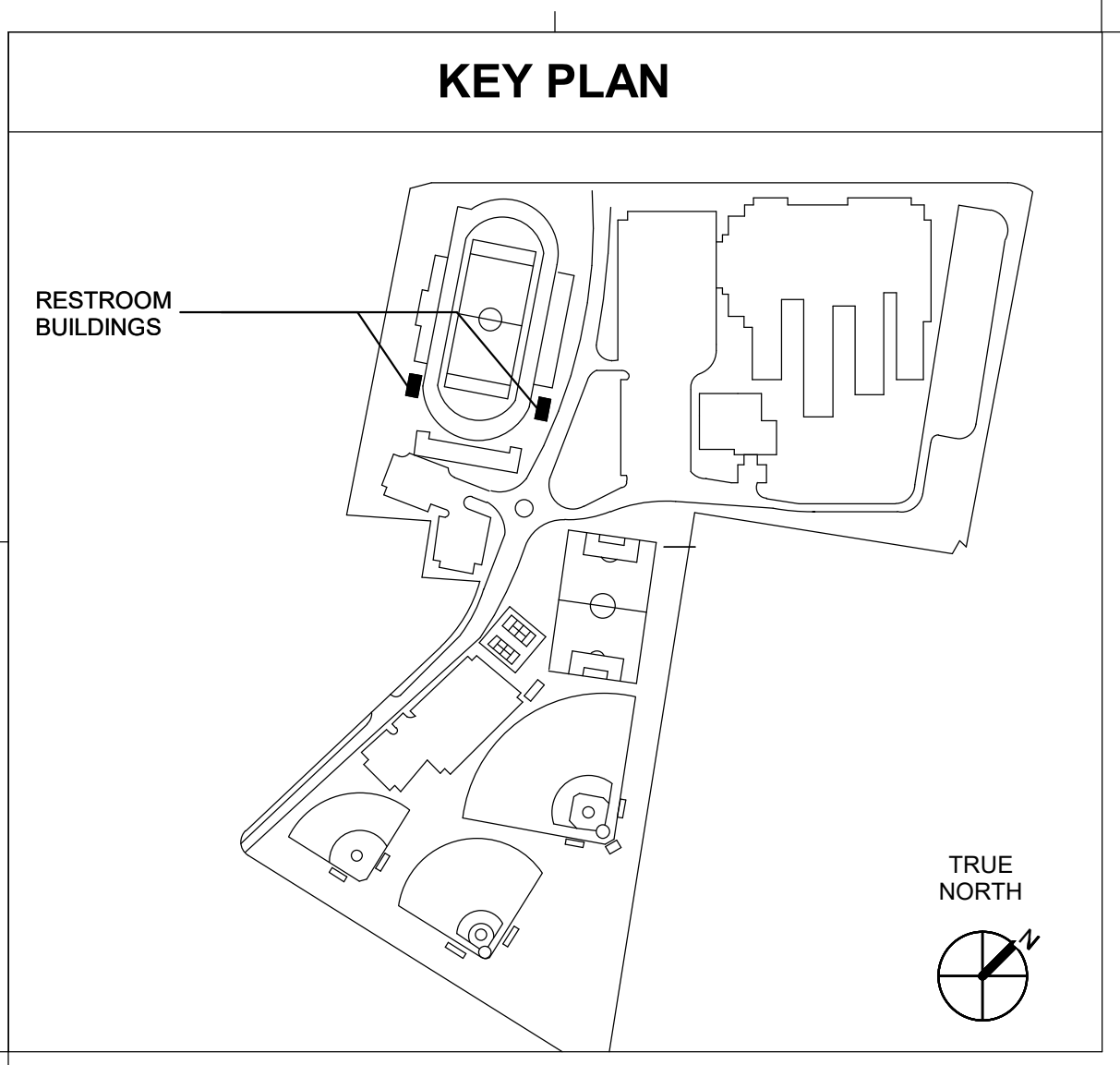
REVISIONS:

No.	Description	Date

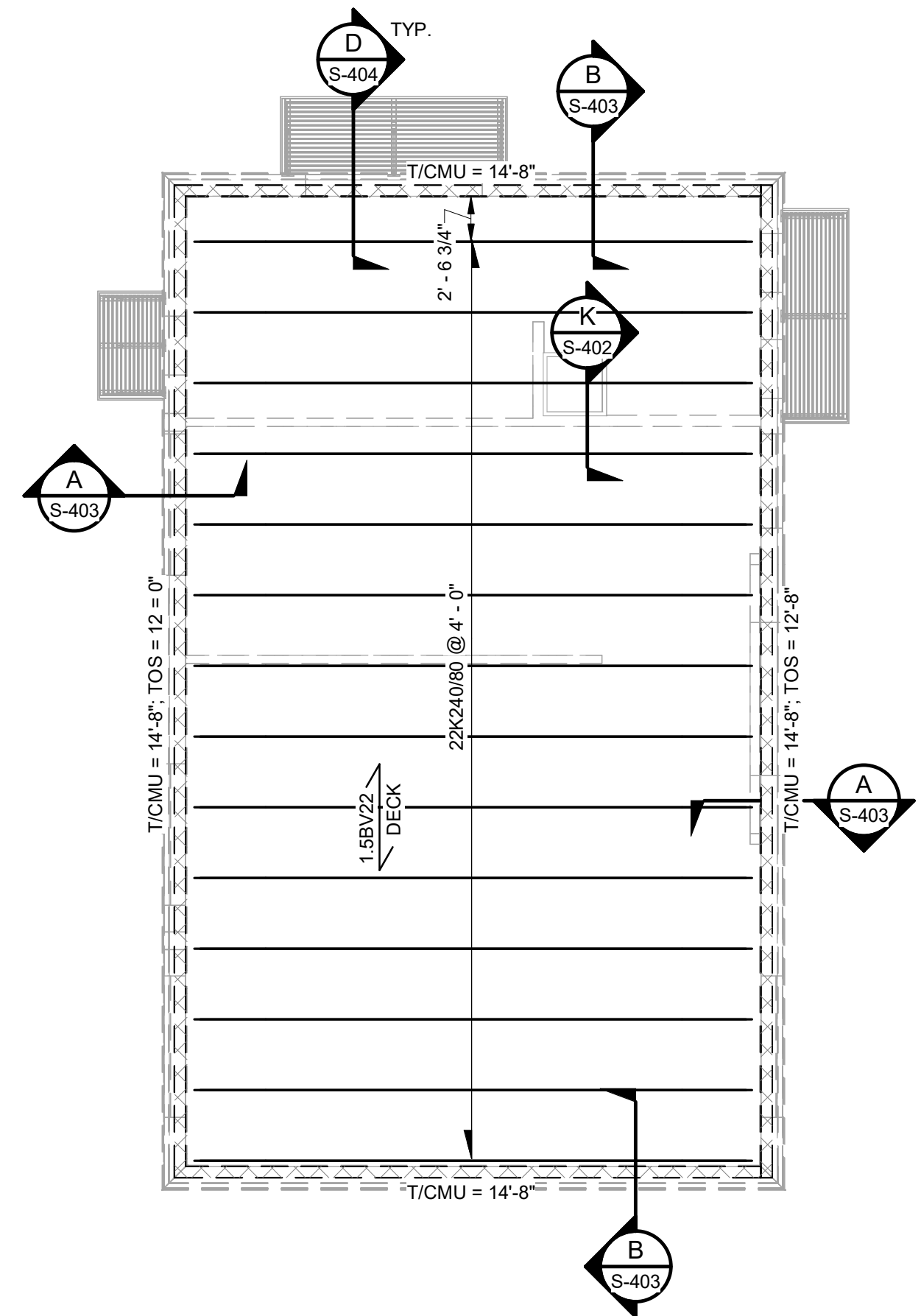
PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: BTH
CHECKED BY: SJP

CONCESSION/RESTROOM PLANS

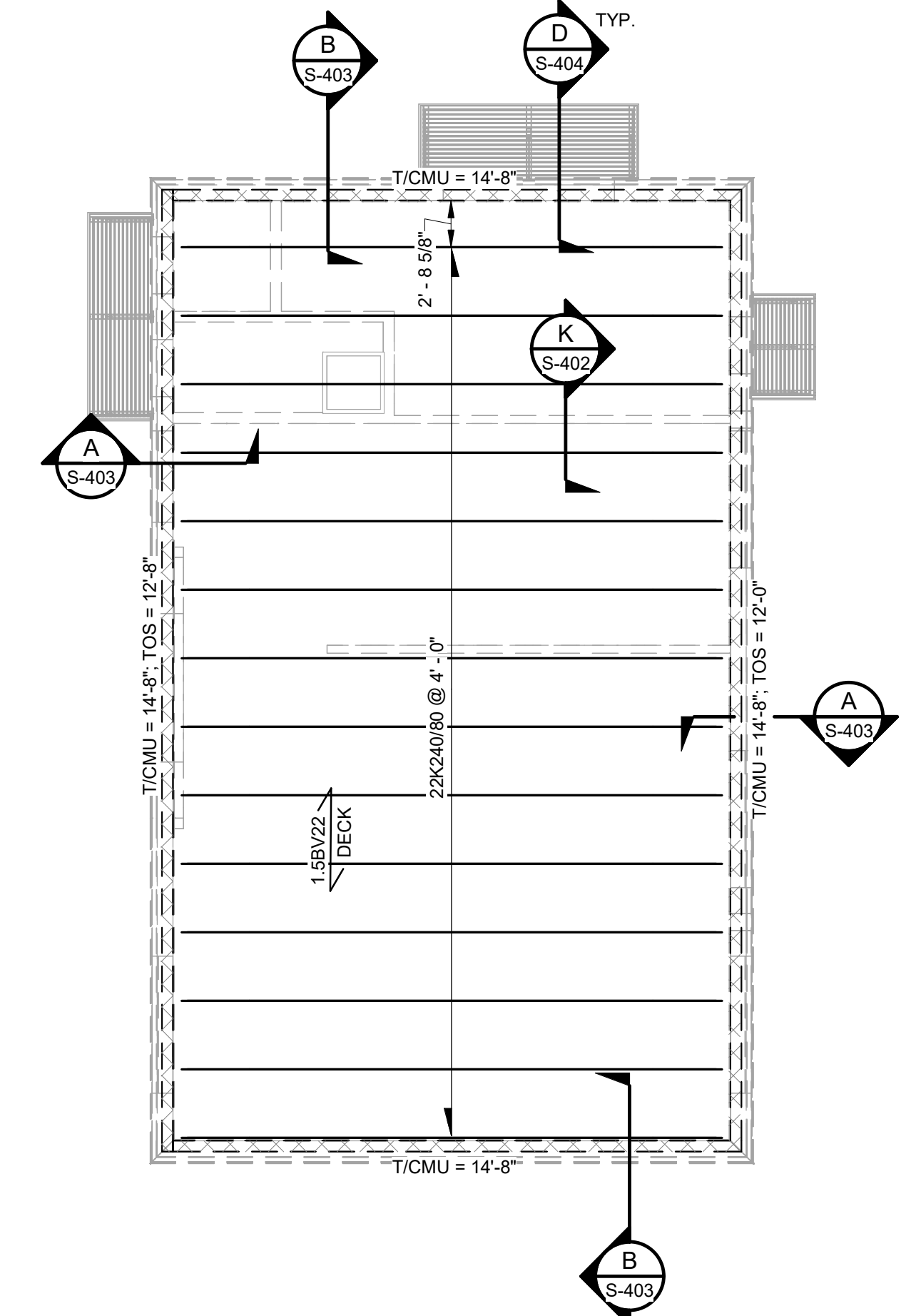
S-211



- NOTES:
- T/SLAB ELEV. (0'-0") IS FOR REFERENCE ONLY. COORD. ELEV. w/ ARCH. & CIVIL DWGS.
 - ROOF TOS AS SHOWN ON PLAN.
 - T/CMU AS SHOWN ON PLAN.
 - SEE B/S-401 FOR CMU WALL SCHEDULE.
 - FOR CMU LINTEL AND JAMB SCHEDULE SEE A/S-401.
 - GC TO VERIFY ALL DIMENSIONS SHOWN IN THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL DRAWINGS AND REPORT ANY DISCREPANCIES OR DIMENSIONS NOT SHOWN ON ARCHITECTURAL DRAWINGS FOR CLARIFICATION.
 - CMU PARTITION WALLS BRACE TO ROOF STRUCTURE PER DETAILS K&L/S-402.
 - 1.5BV22 ROOF DECK, TYP. U.N.O.
 - ALL K-SERIES JOISTS SHALL HAVE A 2 1/2" JOIST SEAT, U.N.O.
 - JOIST LOCATIONS SHOWN ON DRAWINGS ARE SCHEMATIC IN NATURE AND MAY BE ADJUSTED AS REQUIRED TO MEET MAXIMUM SPACING REQUIREMENTS, SUPPORT EQUIPMENT THAT MAY NOT BE RELOCATED, OR TO AVOID INTERFERENCES WITH WALLS, MEP, OR EXISTING CONDITIONS. PROVIDE FINAL JOIST LAYOUT FOR REVIEW AND APPROVAL.
 - JOIST BRIDGING NOT SHOWN FOR CLARITY. PROVIDE STANDARD BRIDGING FOR ALL JOISTS PER THE LATEST EDITION OF THE S.J.I. SPECIFICATIONS.
 - JOIST MNFR SHALL VERIFY/COORD RTU WEIGHTS AND LOCATIONS WITH MECH DWGS. RTU WEIGHTS SHOWN ON DRAWINGS HAVE NOT BEEN INCORPORATED INTO THE JOISTS SPECIFIED ON THIS SHEET. JOIST DESIGNER TO INCLUDE RTU WEIGHTS IN THE FINAL JOIST DESIGN.
 - SEE A/B/S-404 FOR SUPPLEMENTAL ANGLE FRAMING REQUIRED TO SUPPORT MECH EQUIP. AND OTHER CONCENTRATED LOADS. COORDINATE LOCATIONS WITH MECH/ARCH DWGS.
 - REFERENCE TYPICAL MASONRY DETAILS ON SHEETS S-401 TO S-404. REFERENCE TYPICAL STAIR DETAILS ON SHEET S-501.



A ROOF FRAMING PLAN - WEST CONCESSION/RESTROOM
1/8" = 1'-0"

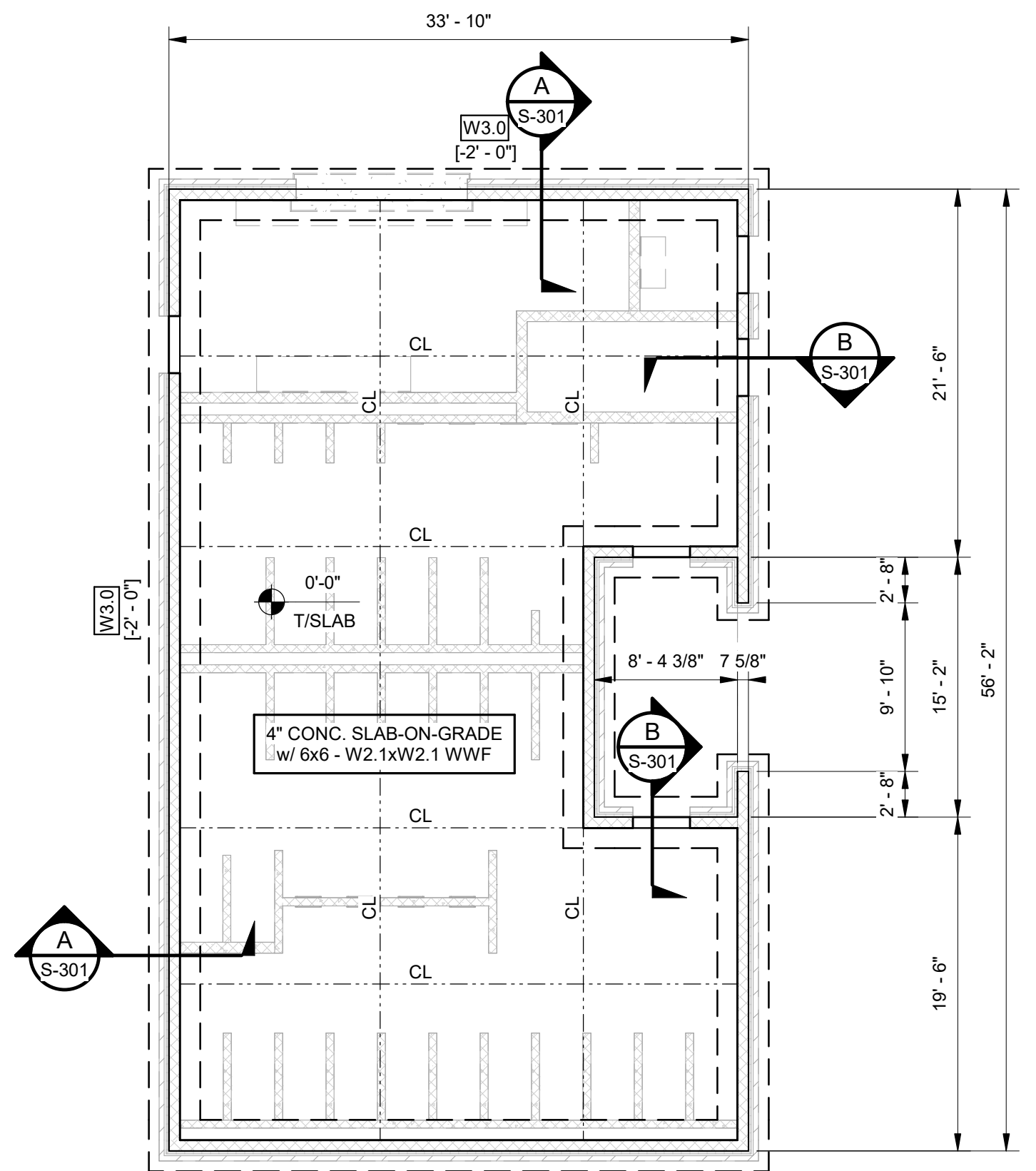
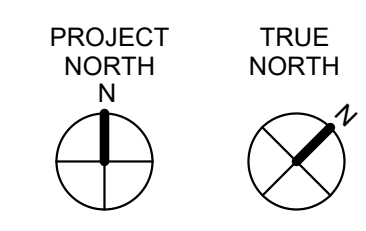
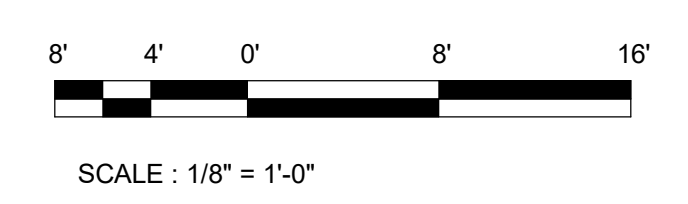


B ROOF FRAMING PLAN - EAST CONCESSION/RESTROOM
1/8" = 1'-0"

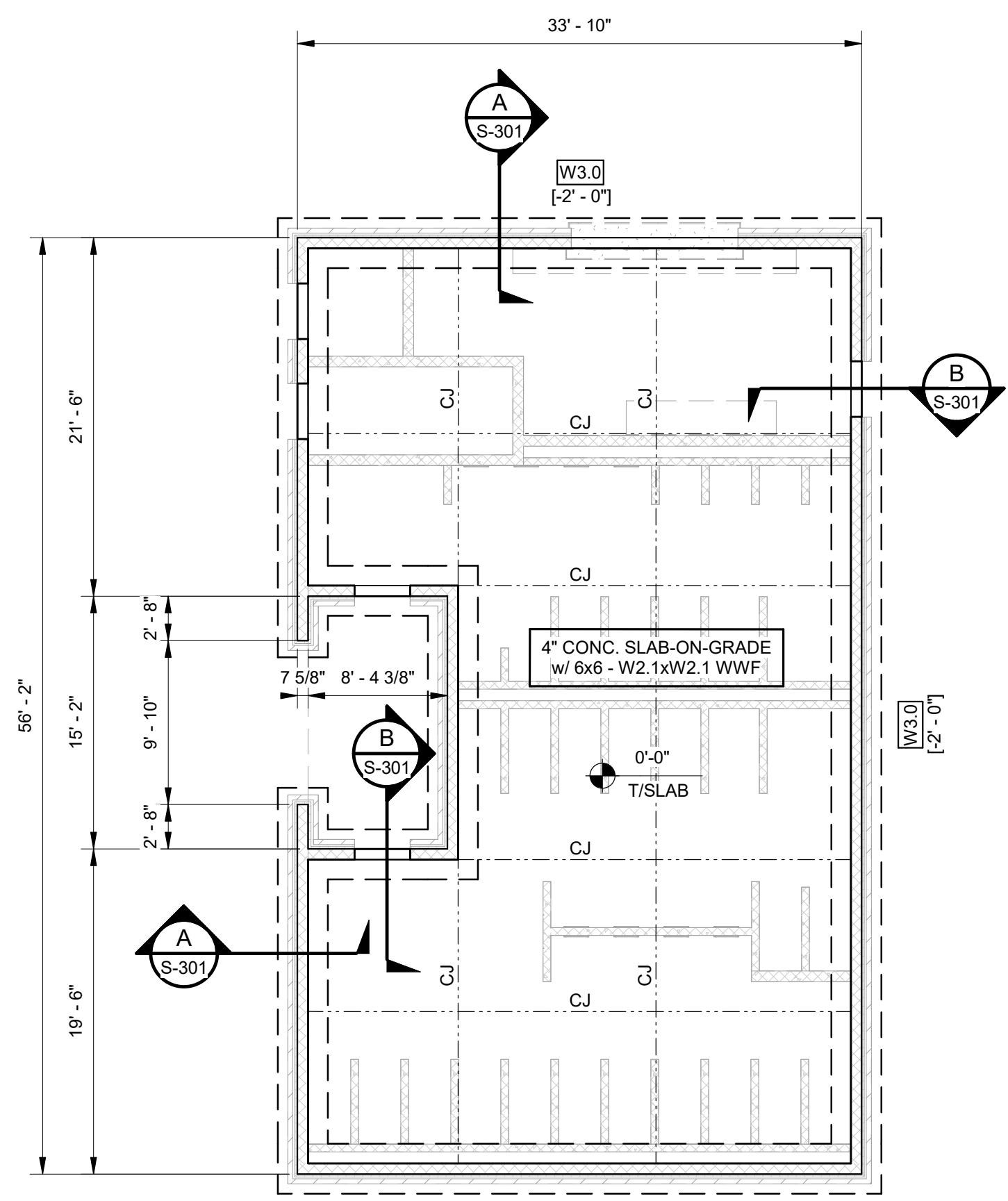
- NOTES:
- T/SLAB ELEV. (0'-0") IS FOR REFERENCE ONLY. COORD. ELEV. w/ ARCH. & CIVIL DWGS.
 - GC TO VERIFY ALL DIMENSIONS SHOWN IN THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL DRAWINGS AND REPORT ANY DISCREPANCIES OR DIMENSIONS NOT SHOWN ON ARCHITECTURAL DRAWINGS FOR CLARIFICATION.
 - FOR TYPE, SIZE AND EXTENTS OF CMU PARTITION WALLS, SEE ARCH. DWGS. AT ALL NON-LOADBEARING CMU PARTITIONS, PROVIDE THICKENED SLAB FOUNDATION PER E/S-301.
 - MASONRY WALLS ARE SCMU32 UNLESS NOTED OTHERWISE. SEE B/S-401 FOR CMU WALL SCHEDULE.
 - FOR CMU LINTEL AND JAMB SCHEDULE SEE A/S-401.
 - SUBMIT PROPOSED SOG CONSTRUCTION OR CONTRACTION JOINT LOCATIONS. SCHEMATIC CJ PLANS SHOWN.
 - GC SHALL COORDINATE PLUMBING AND UTILITIES LOCATIONS WITH FOUNDATIONS AND FOUNDATION ELEVATIONS AS NEEDED. FORWARD ANY REQUESTED MODIFICATIONS TO THE FOUNDATION ELEVATIONS FOR REVIEW AND APPROVAL BY THE EOR.
 - SEE ARCHITECTURAL DRAWINGS FOR SLAB SLOPING REQUIREMENTS (MAINTAIN MINIMUM THICKNESS NOTED), DEPRESSED AND RAISED SLAB AREAS (MAINTAIN MINIMUM THICKNESS NOTED), AND ALL DIMENSIONS NOT SHOWN IN STRUCTURAL DRAWINGS.
 - COORDINATE DRAIN LOCATIONS WITH ARCHITECTURAL DRAWINGS. SLOPE TO DRAIN PER ARCHITECTURAL DRAWINGS.
 - CENTERLINE OF ALL STRIP FOOTINGS SHALL BE CENTERED ON COMPOSITE WIDTH OF WALL SECTION. (I.E. MID POINT BETWEEN INTERIOR FACE OF MASONRY AND EXTERIOR FACE OF MASONRY).
 - REFERENCE TYPICAL DETAILS ON SHEETS S-301 TO S-303.

FOOTING SCHEDULE - RESTROOMS

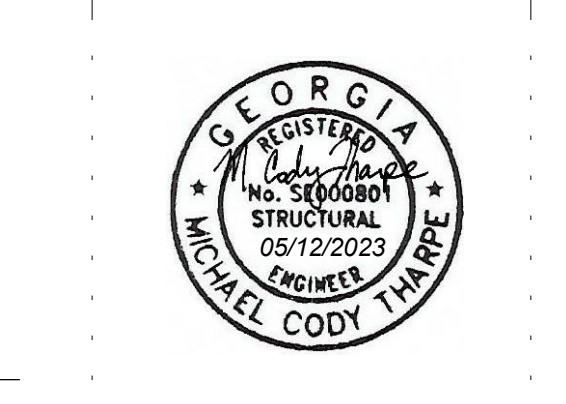
TYPE	DIMENSIONS	BOTTOM REINFORCING	TOP REINFORCING	TOP OF FOOTING	SEE DETAIL
W3.0	3'-0"XCONT.X12"D.	(4) #5 CONT. & #5 @ 12" O.C.	(4) #4 CONT. & #4 @ 12" O.C.	SEE PLAN	A, C & F/S-301
W4.0	3'-0"XCONT.X12"D.	(4) #5 CONT. & #5 @ 12" O.C.	(4) #4 CONT. & #4 @ 12" O.C.	SEE PLAN	C & D/S-301



C FOUNDATION PLAN - WEST CONCESSION/RESTROOM
1/8" = 1'-0"



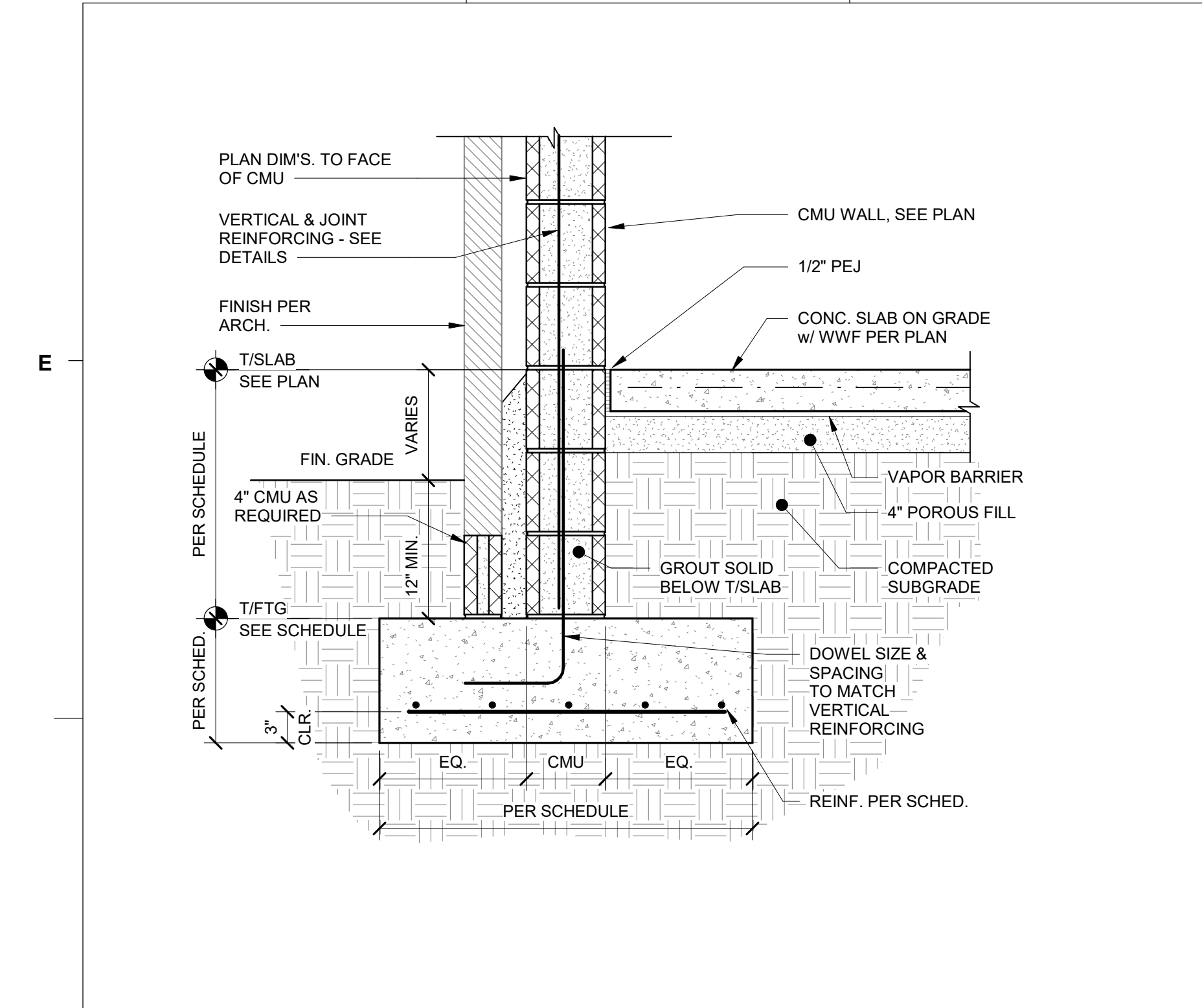
D FOUNDATION PLAN - EAST CONCESSION/RESTROOM
1/8" = 1'-0"



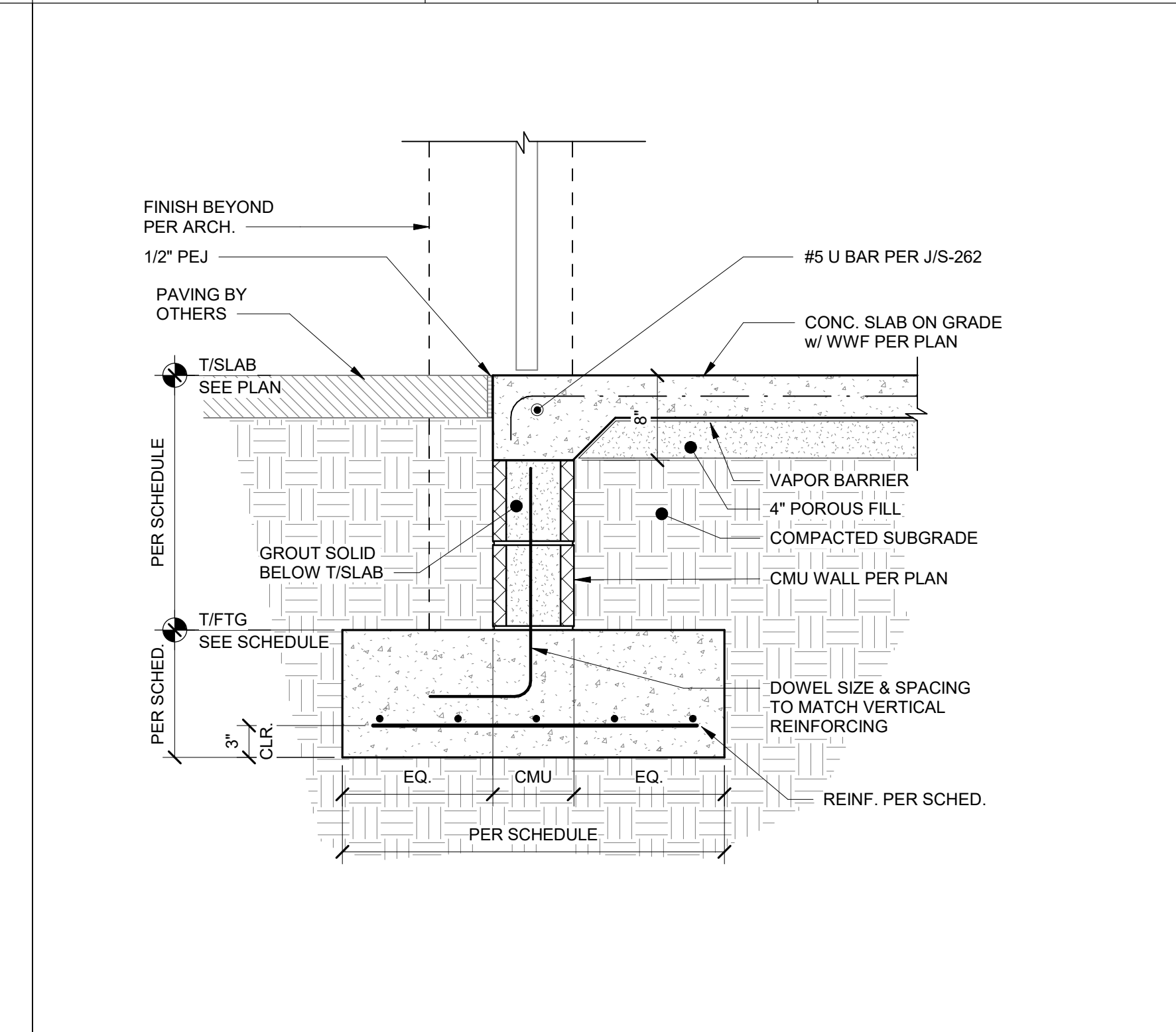
REVISIONS:

No.	Description	Date

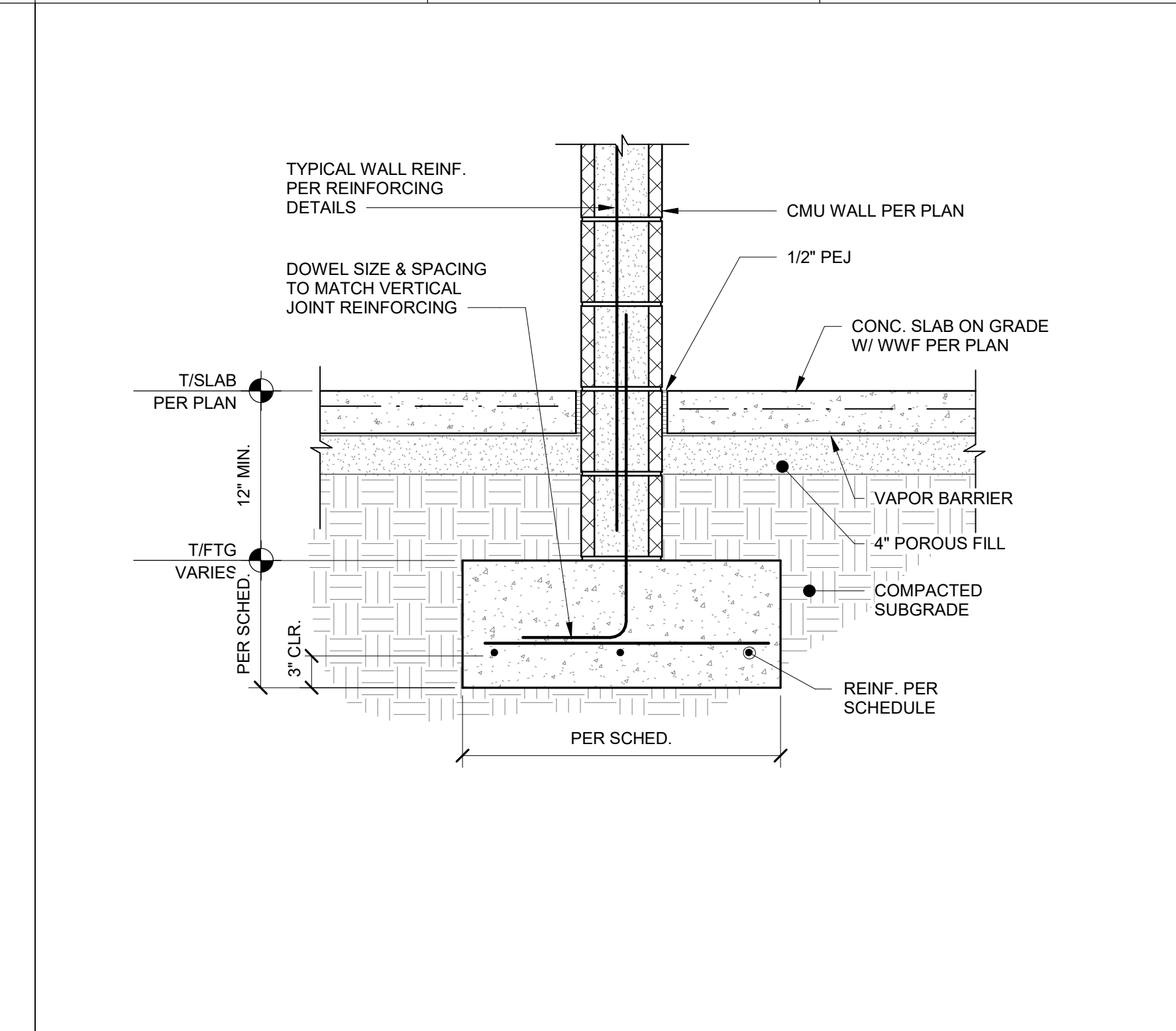
PROJECT: 5201-192070
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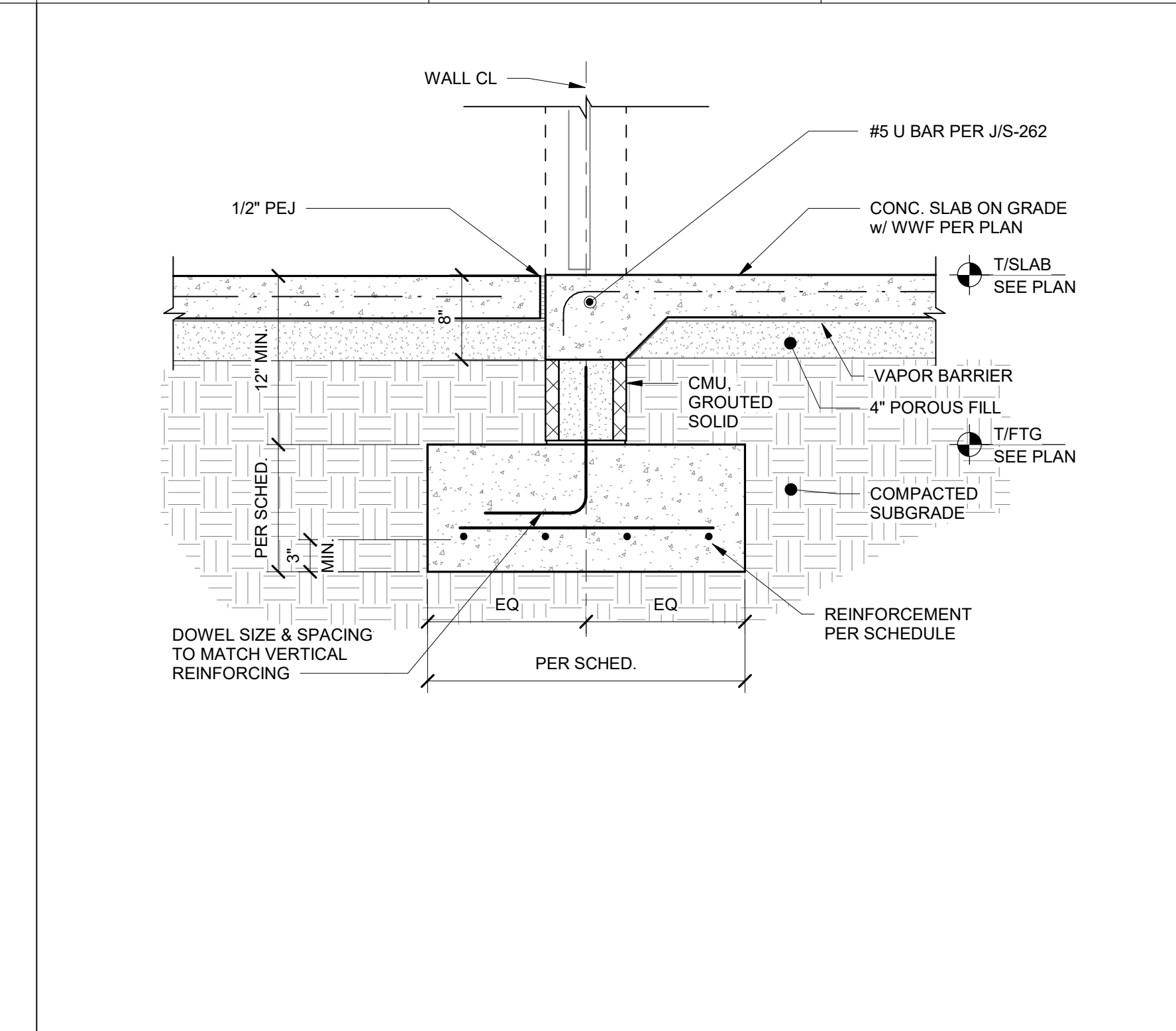
A EXTERIOR CMU WALL FOOTING DETAIL w/ BRICK FACE
1" = 1'-0"



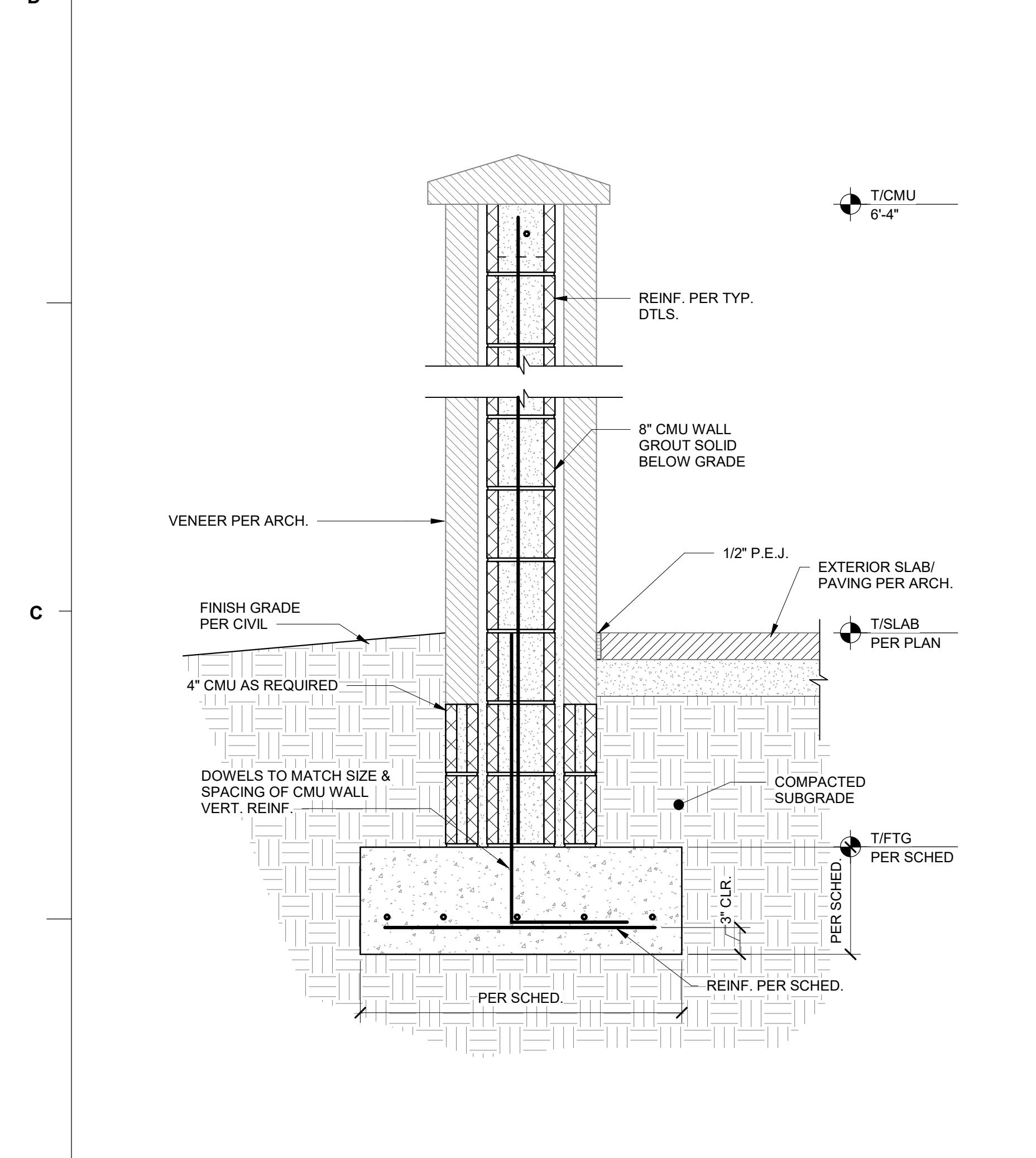
B EXTERIOR CMU WALL FOOTING DETAIL @ DOOR
1" = 1'-0"



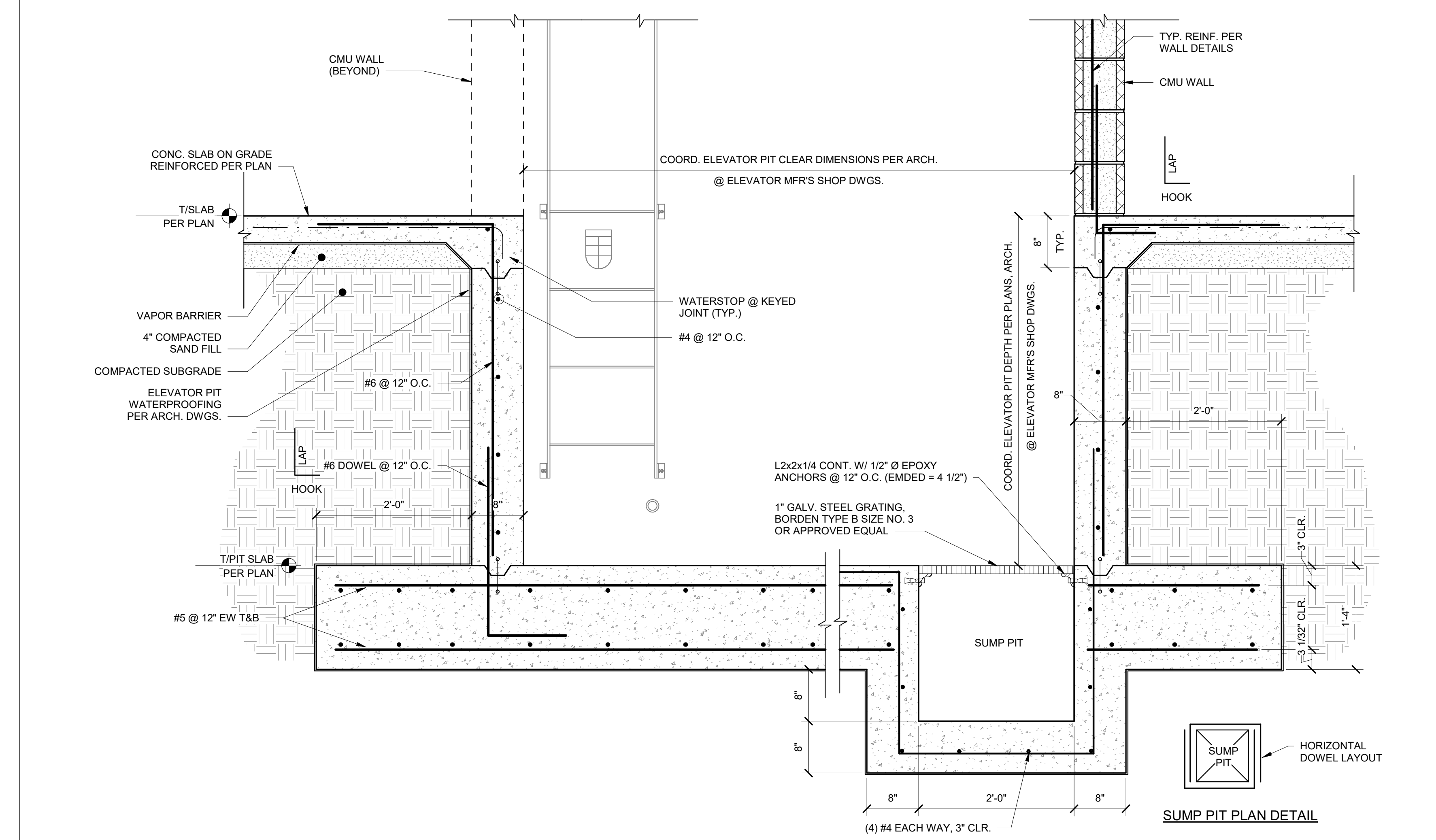
C INTERIOR CMU WALL FOOTING DETAIL
1" = 1'-0"



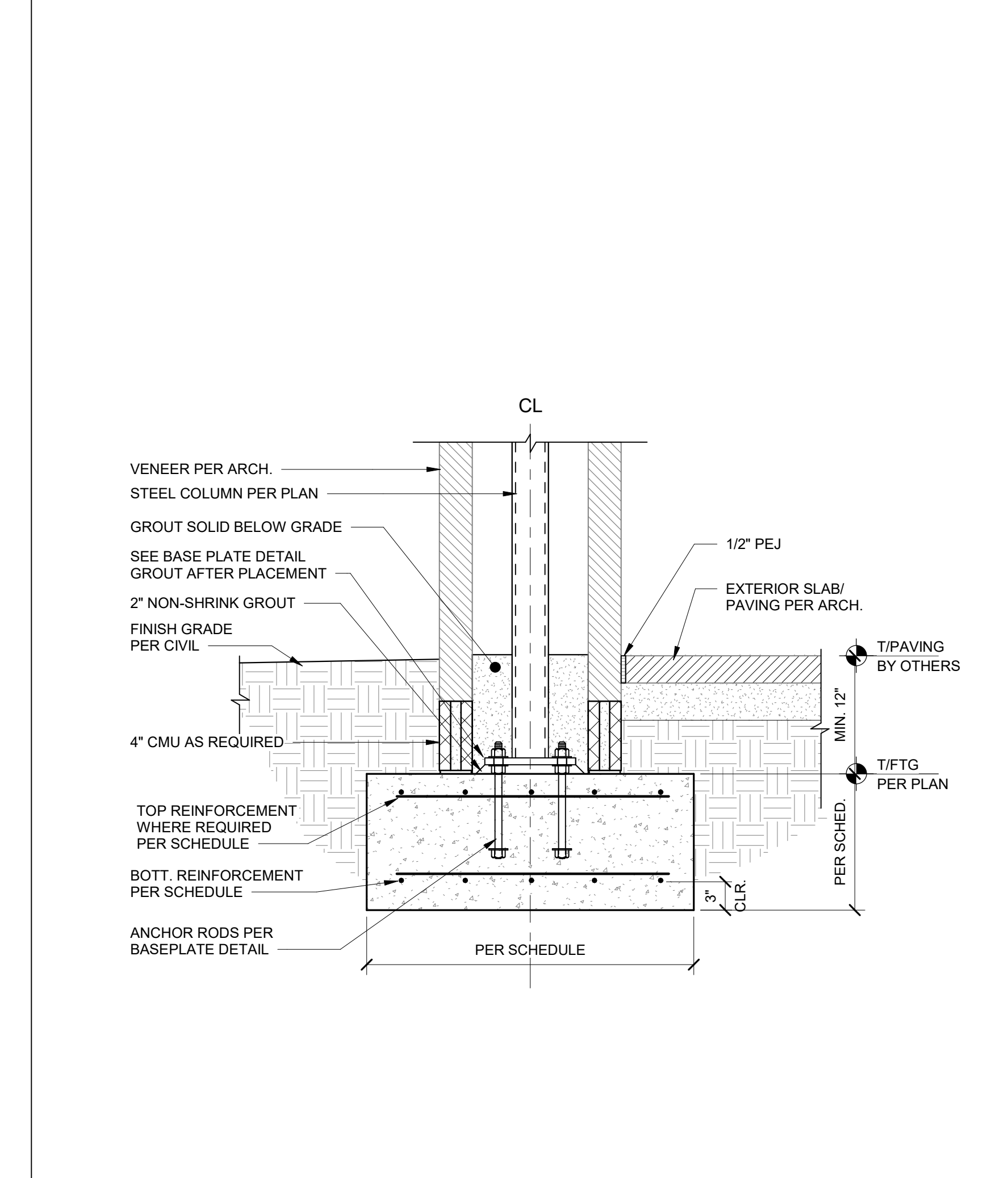
D INTERIOR CMU WALL FOOTING DETAIL @ DOOR
1" = 1'-0"



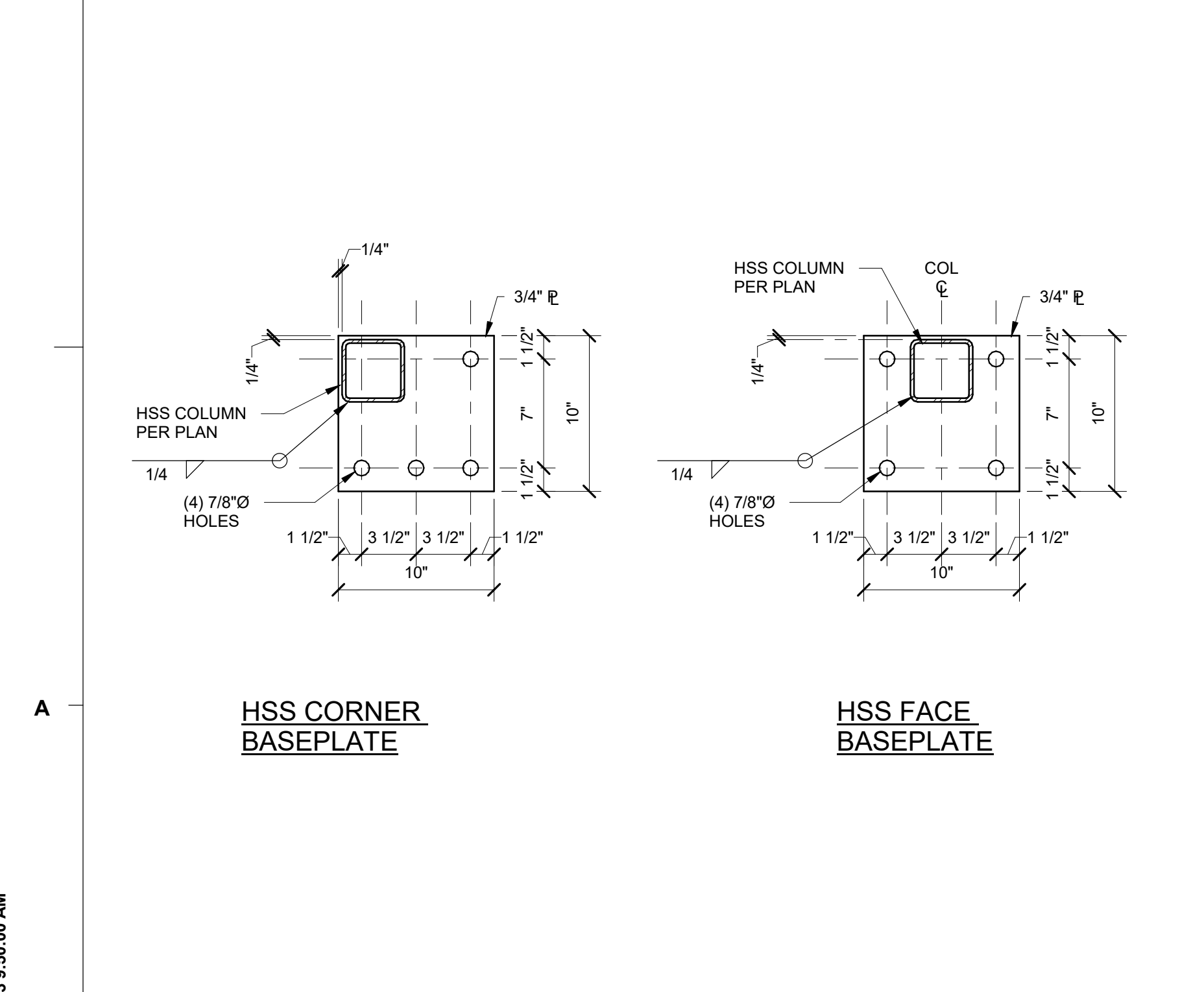
E EXTERIOR SCREEN WALL SECTION
1" = 1'-0"



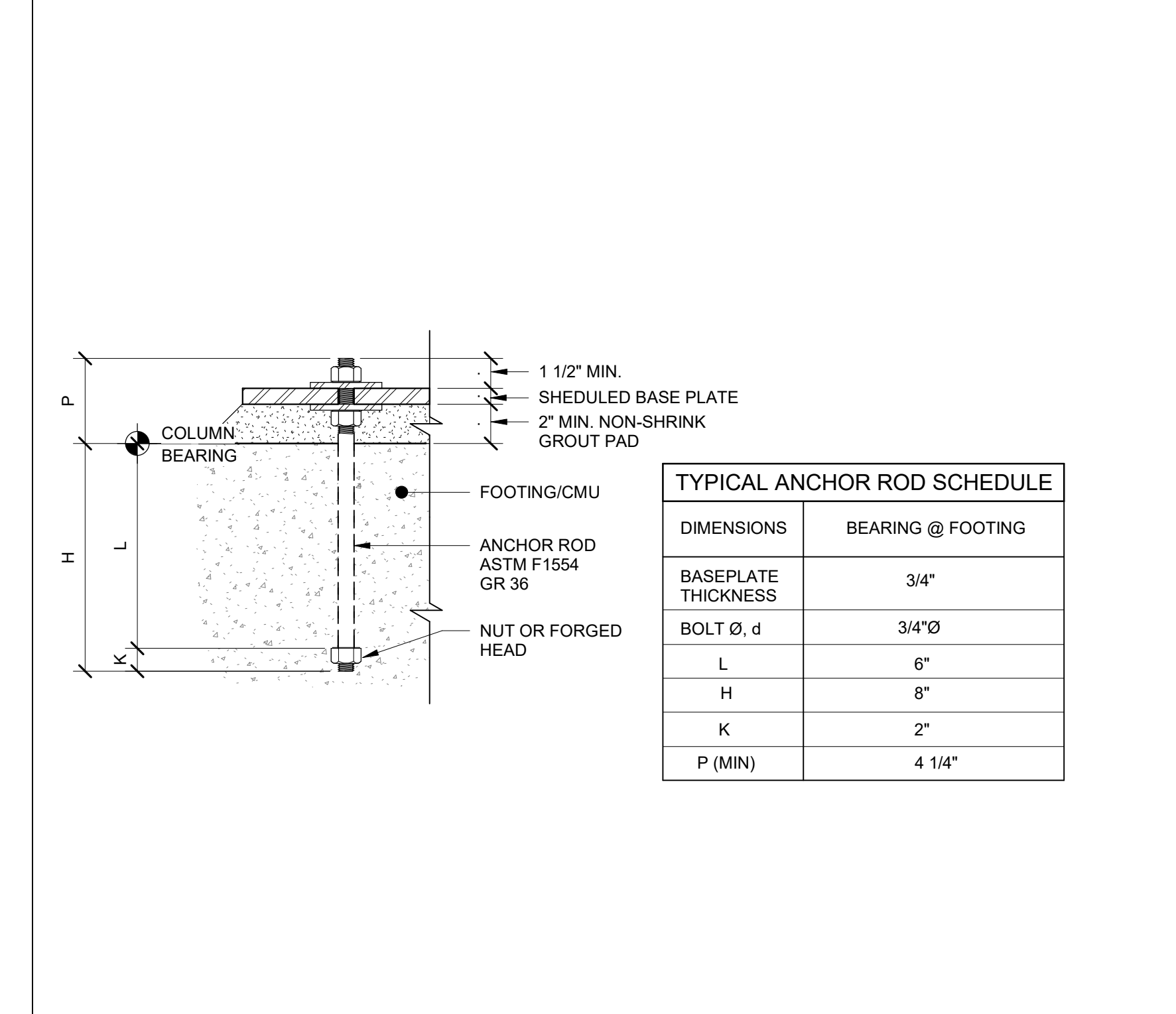
F ELEVATOR SHAFT FOOTING SECTION
1" = 1'-0"



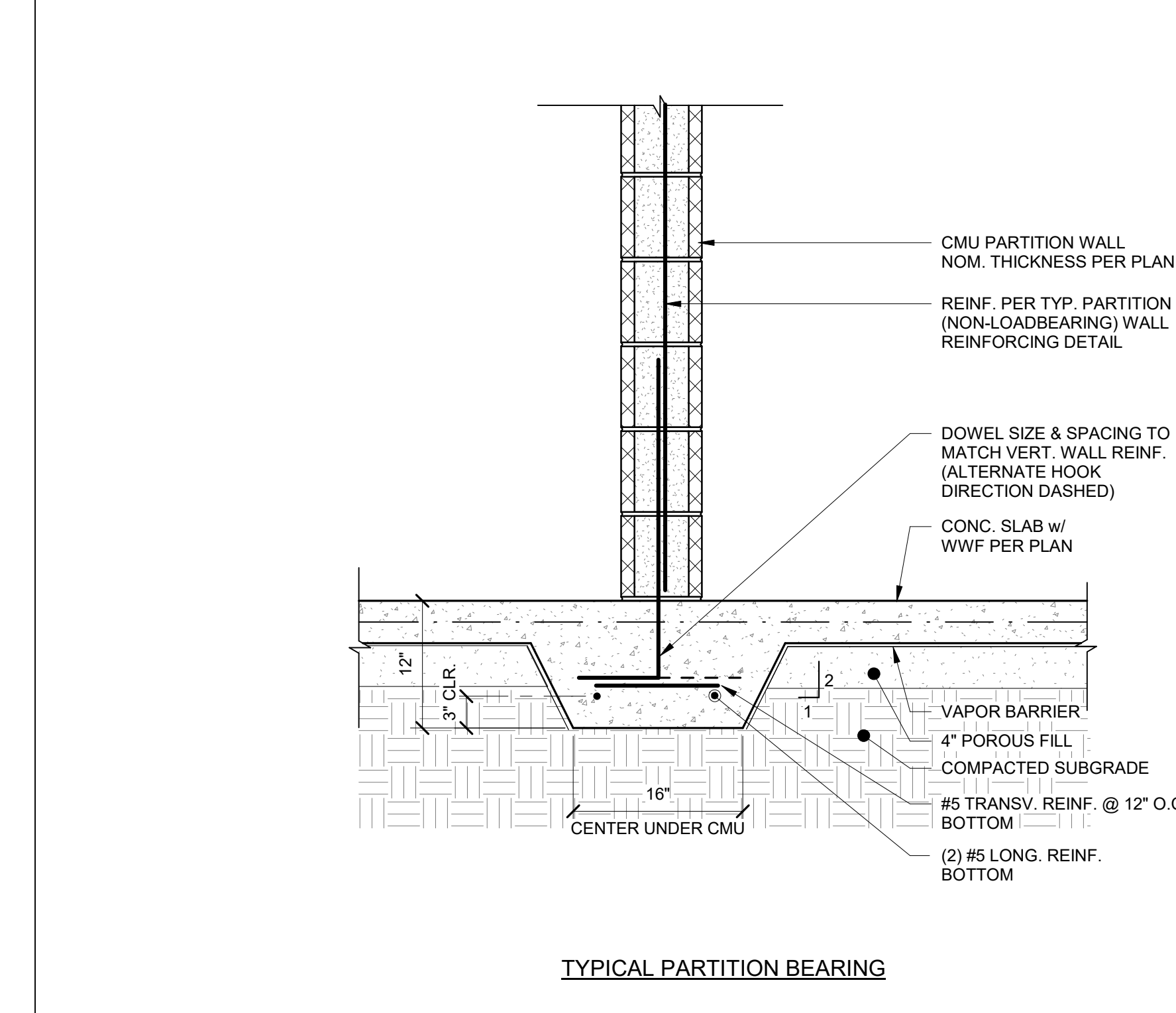
G COLUMN FOOTING DETAIL
1" = 1'-0"



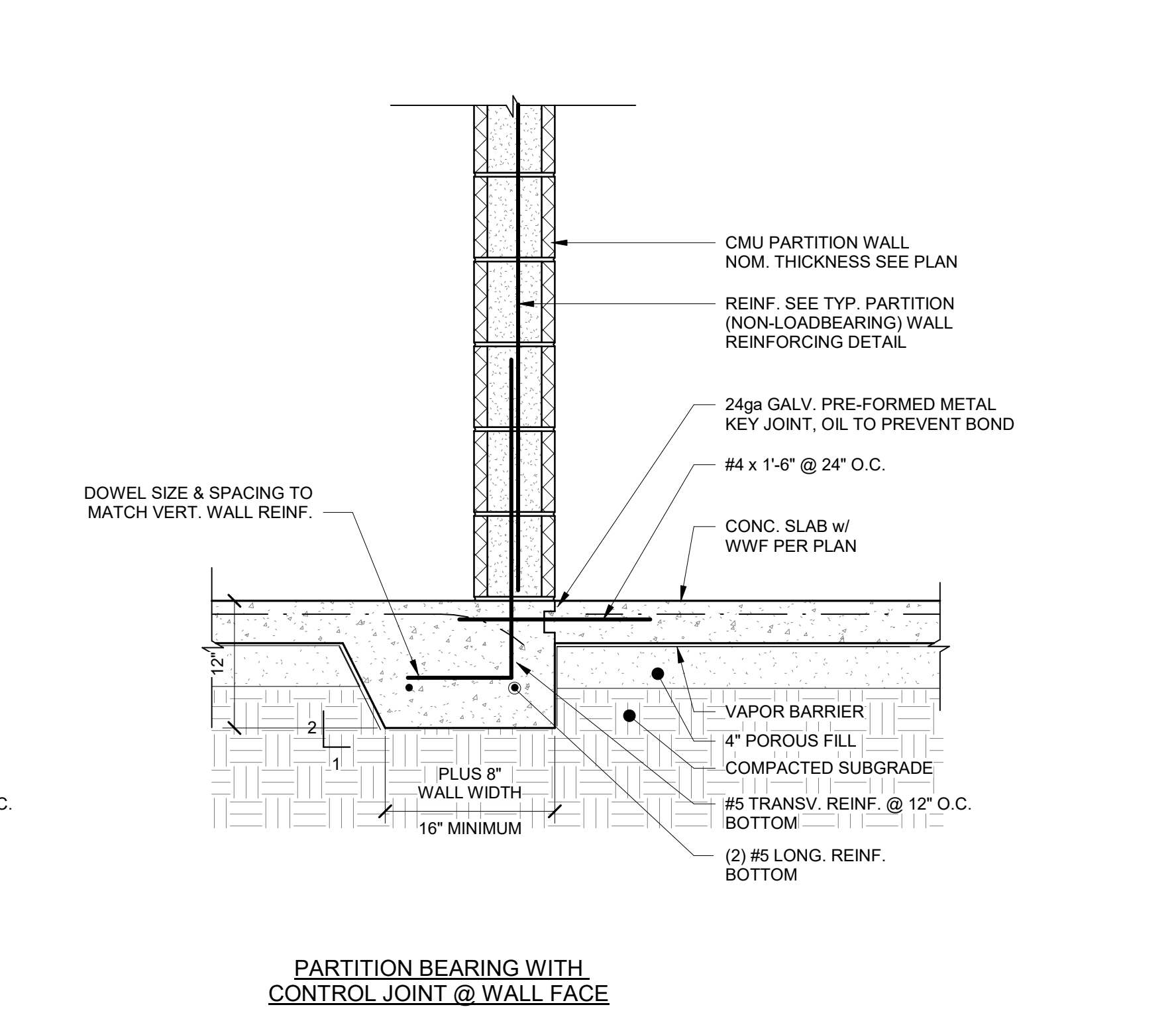
H TYPICAL OFFSET COLUMN BASEPLATES
1 1/2" = 1'-0"



J TYPICAL ANCHOR ROD DETAIL
3" = 1'-0"



K TYPICAL INTERIOR CMU PARTITION OVER THICKENED SLAB DETAIL
1" = 1'-0"

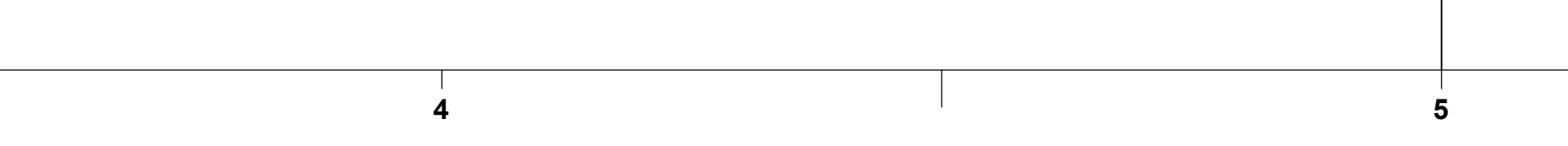
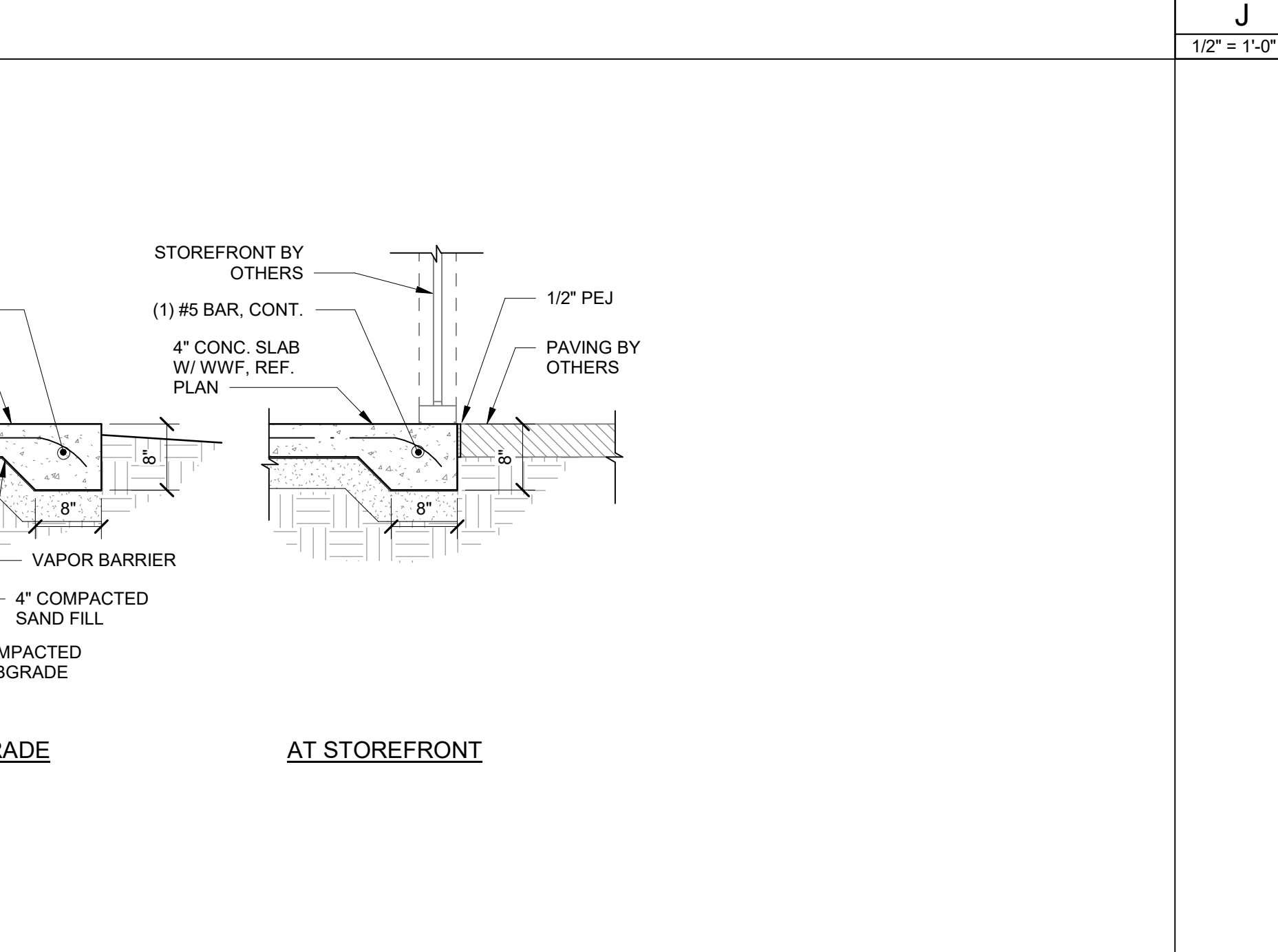
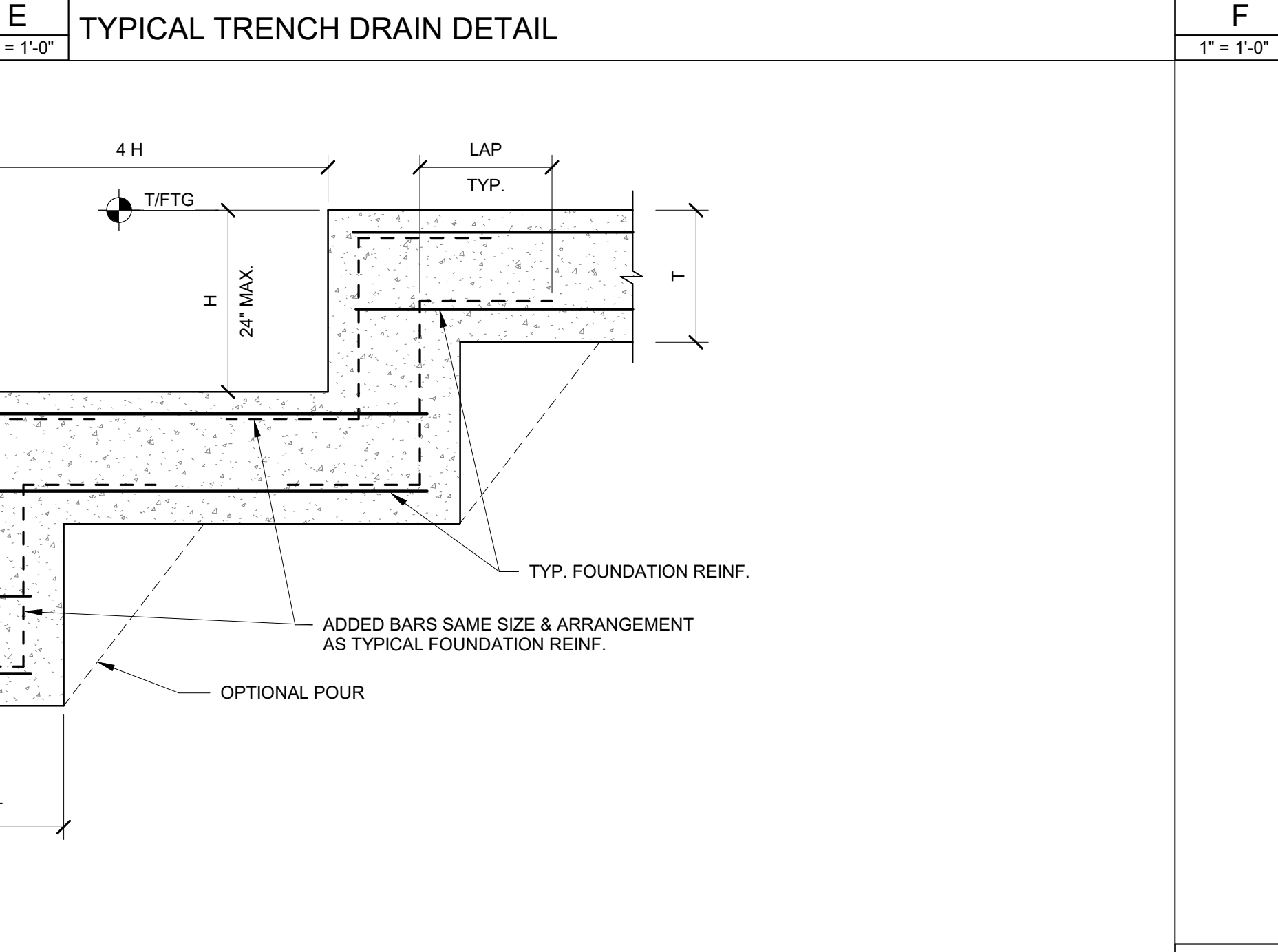
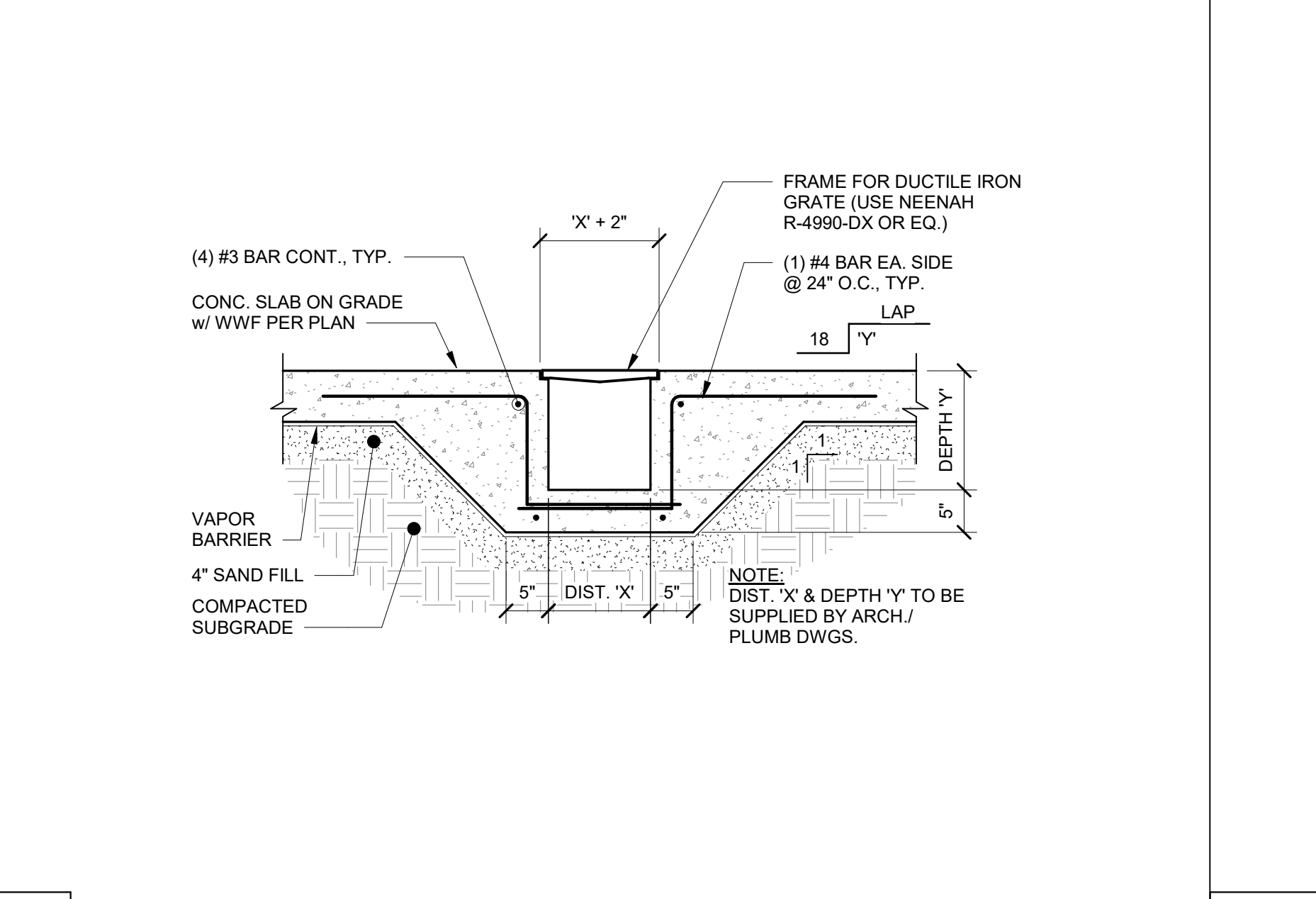
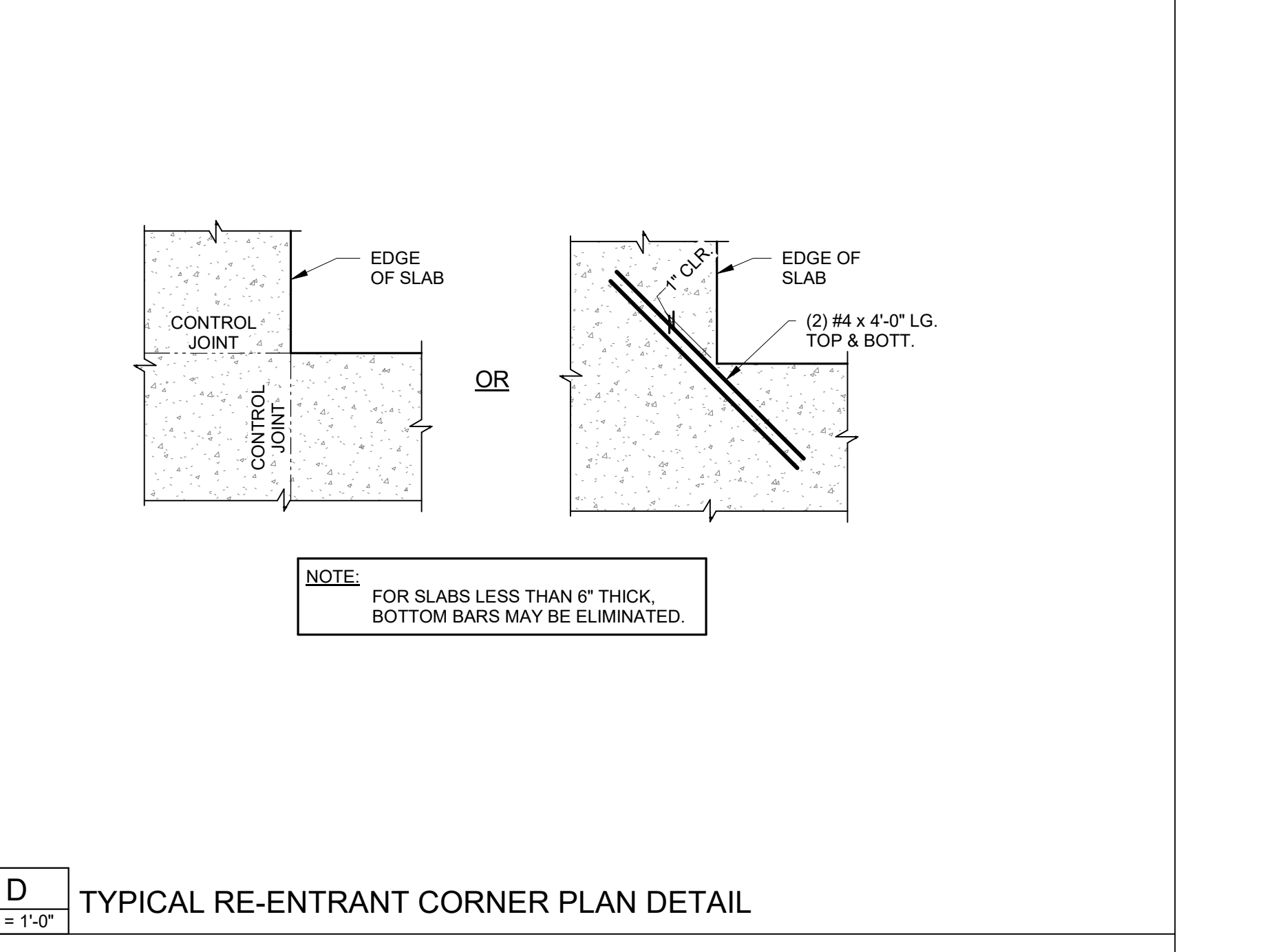
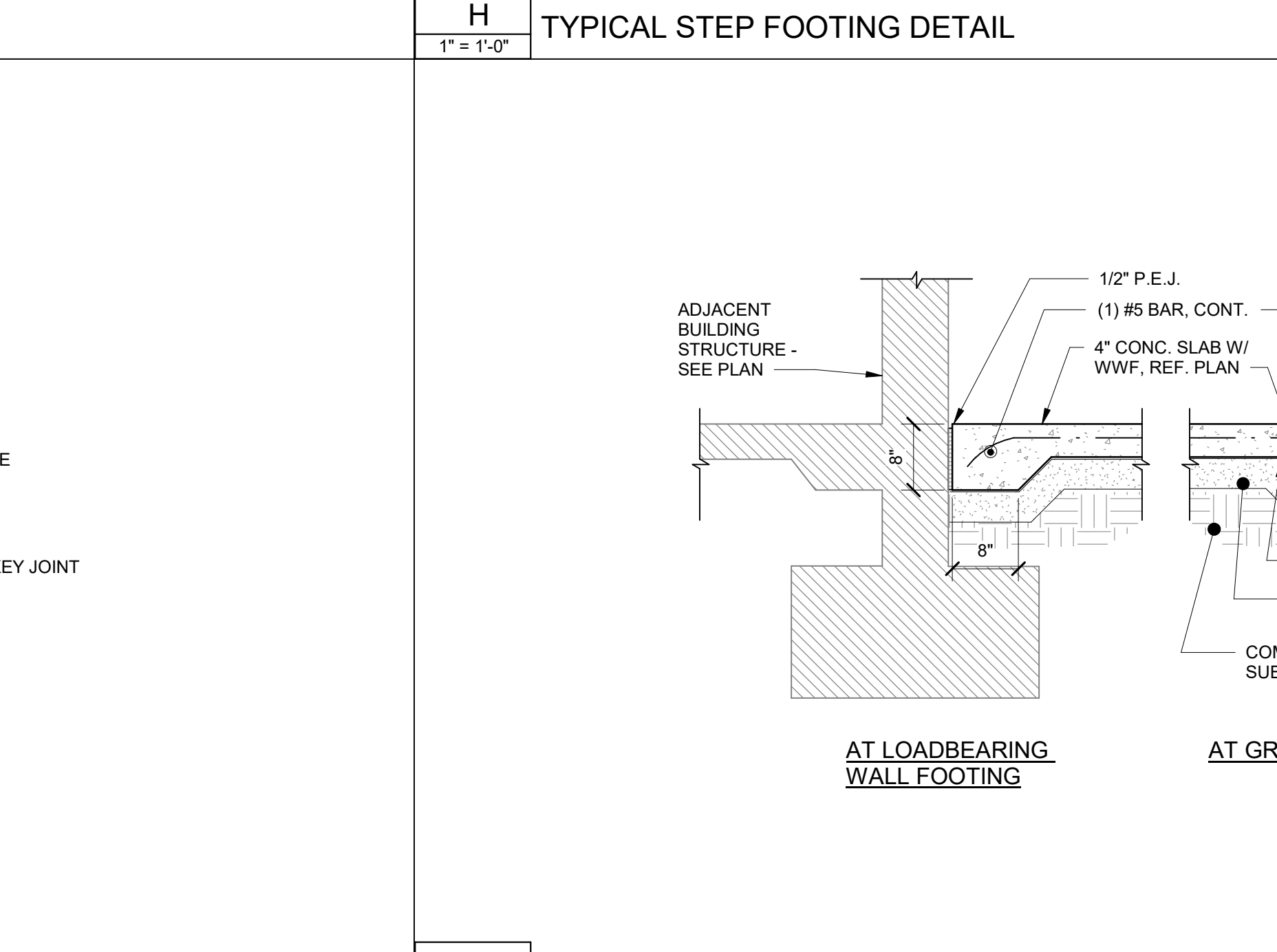
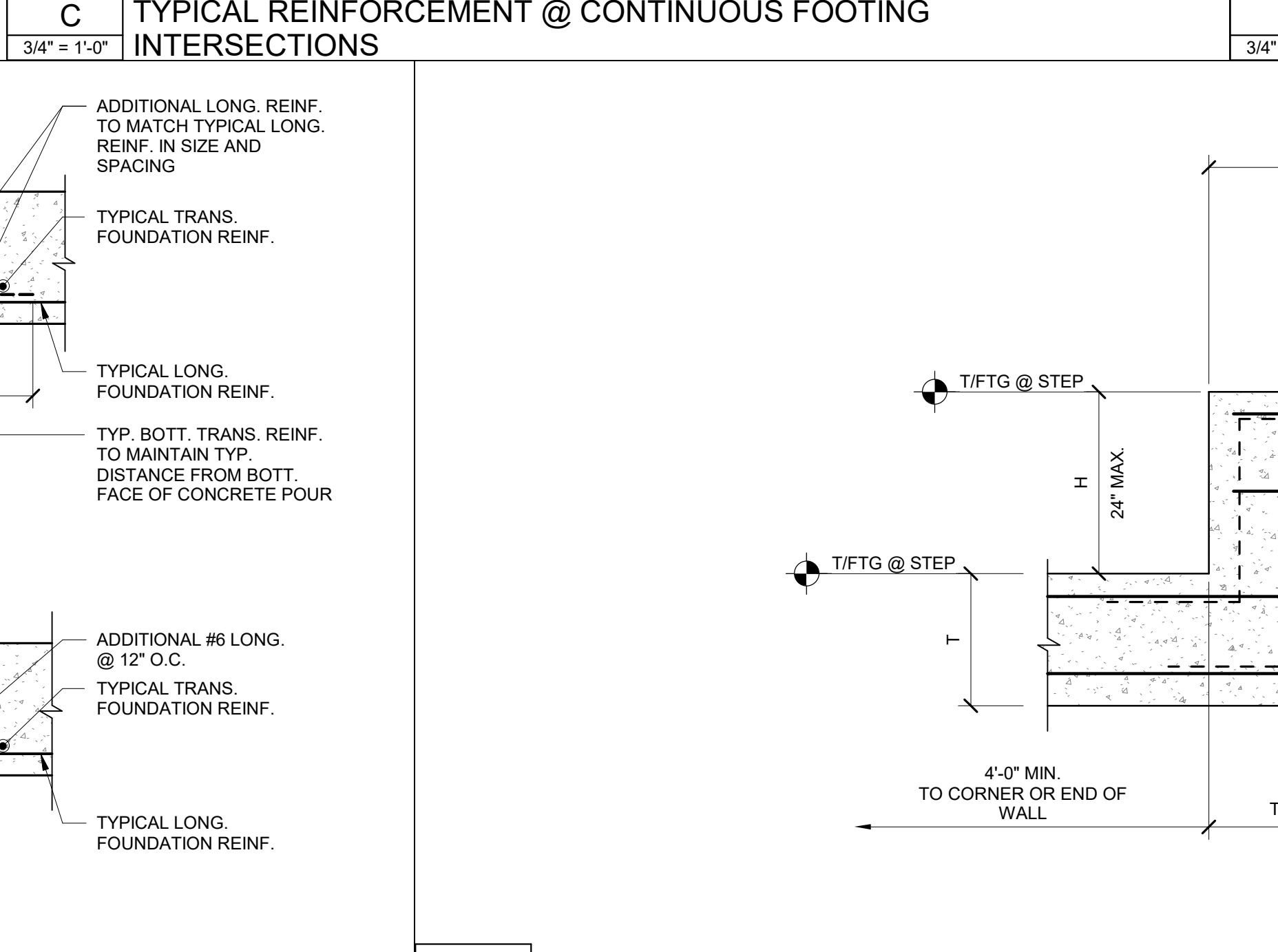
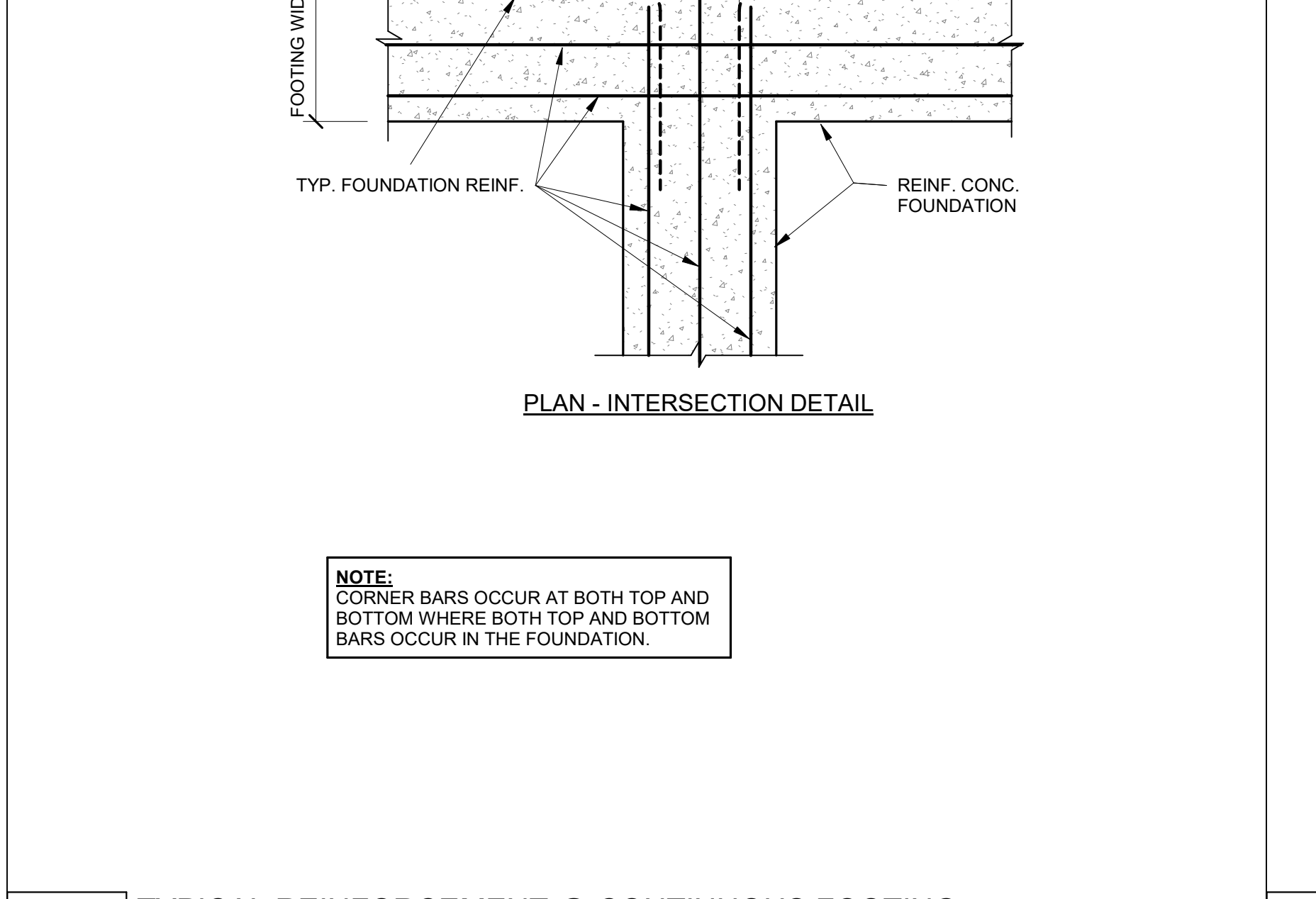
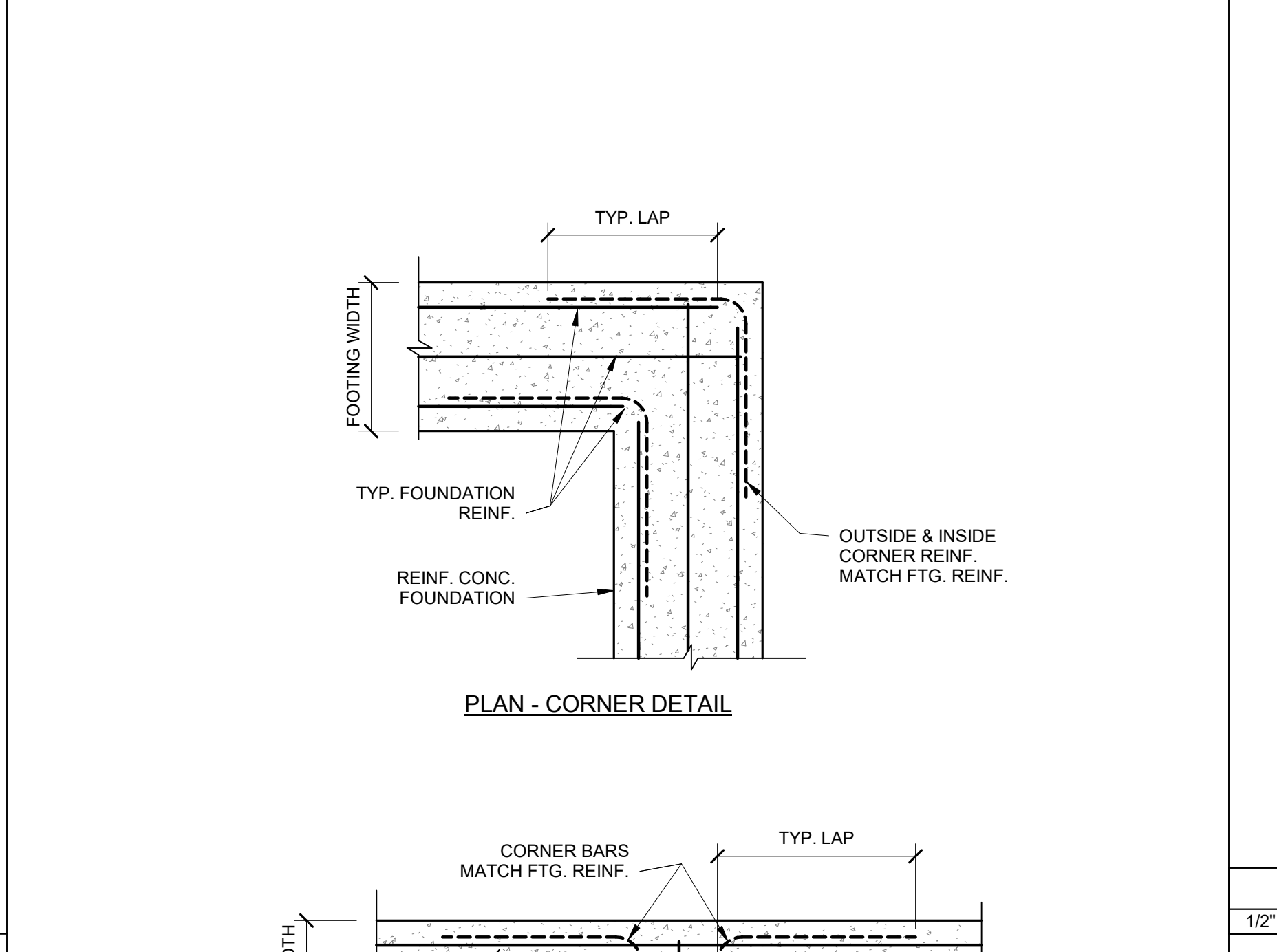
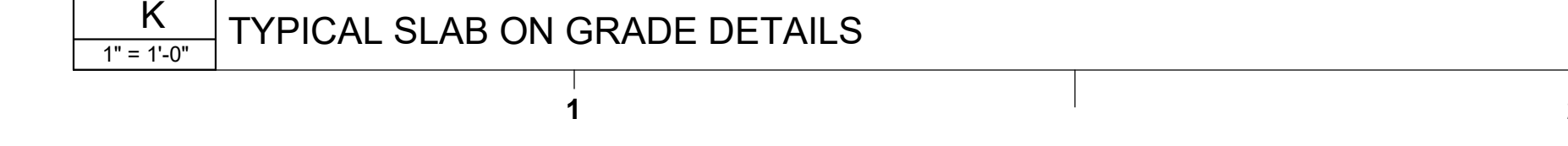
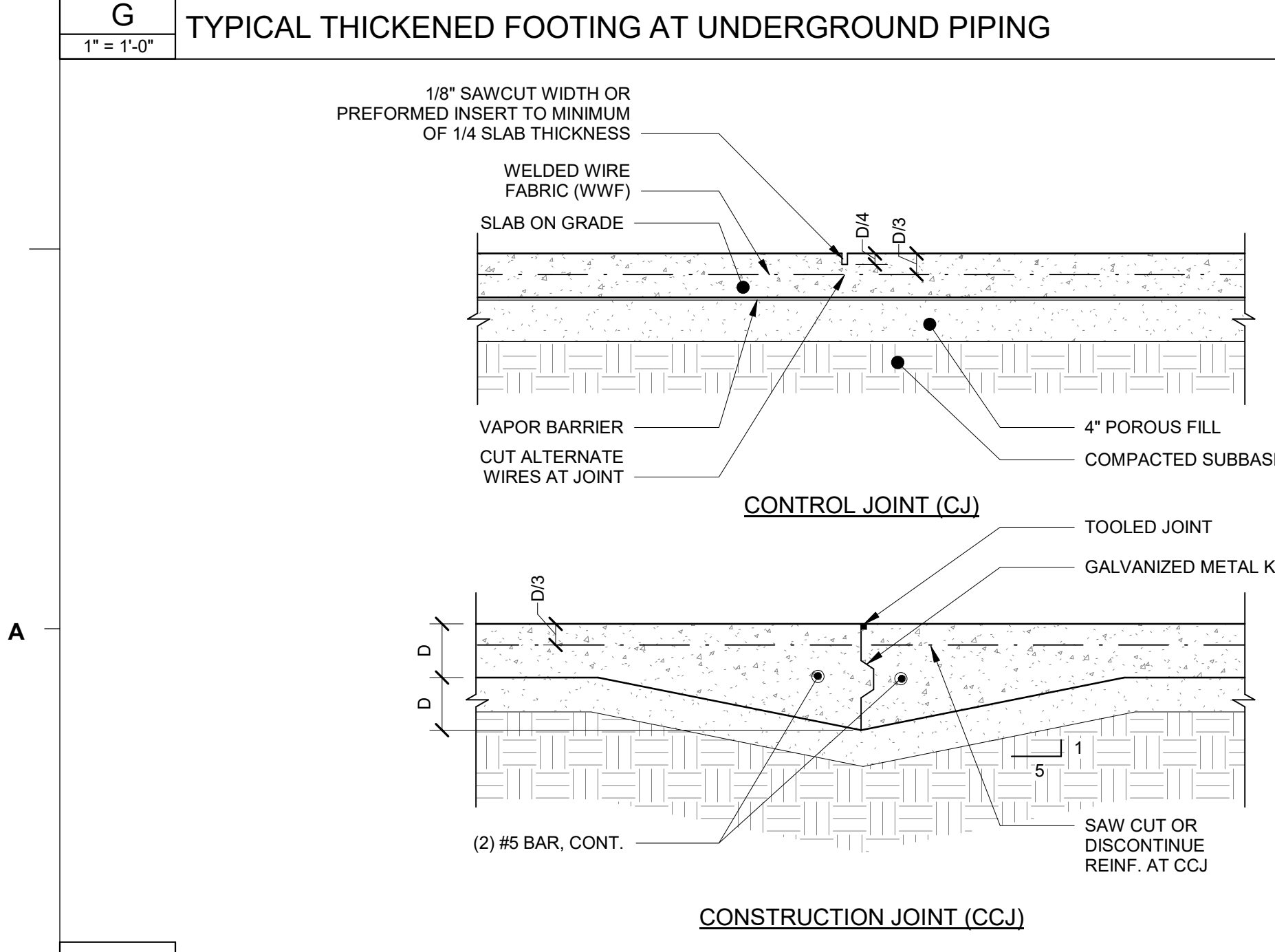
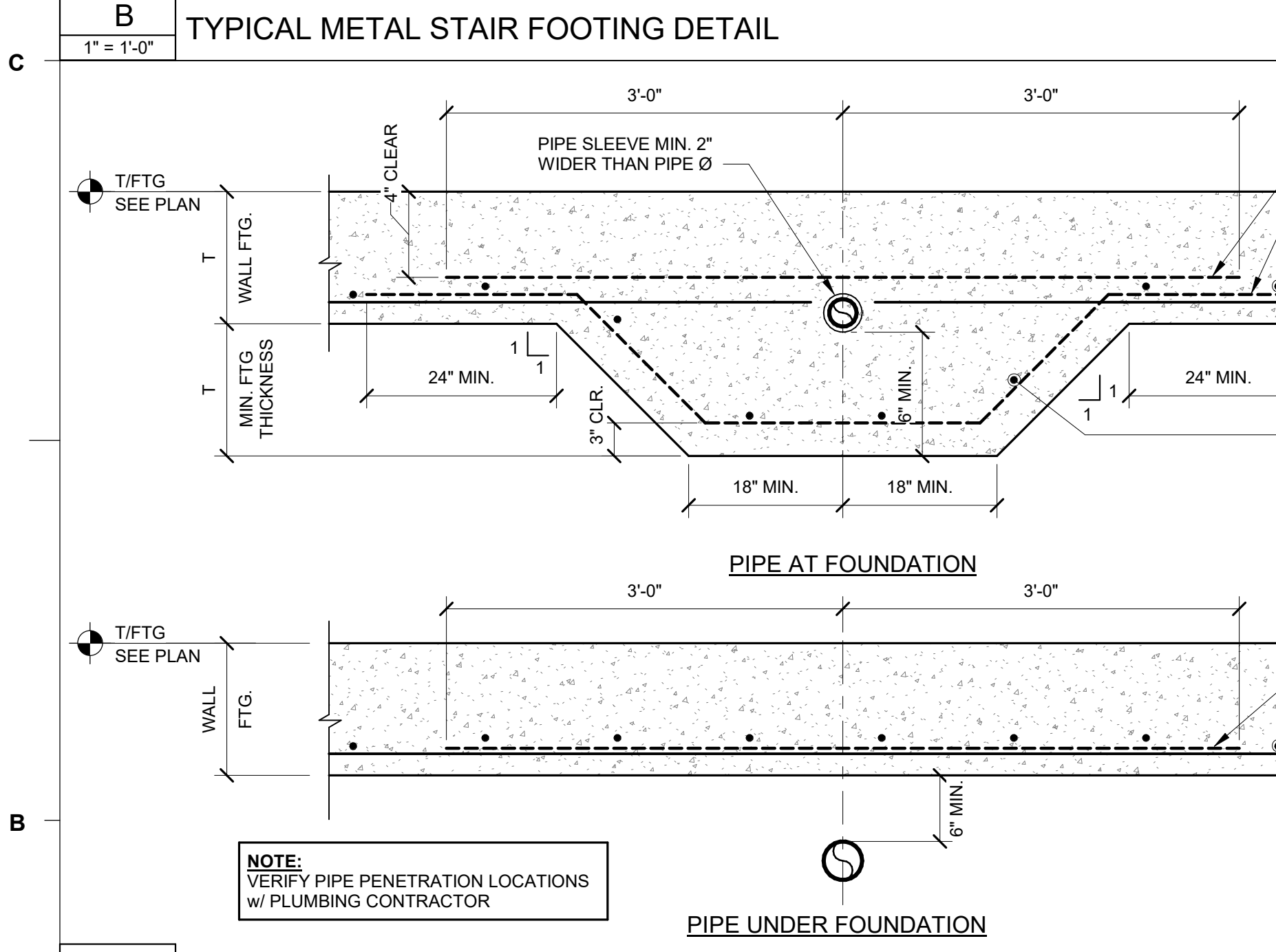
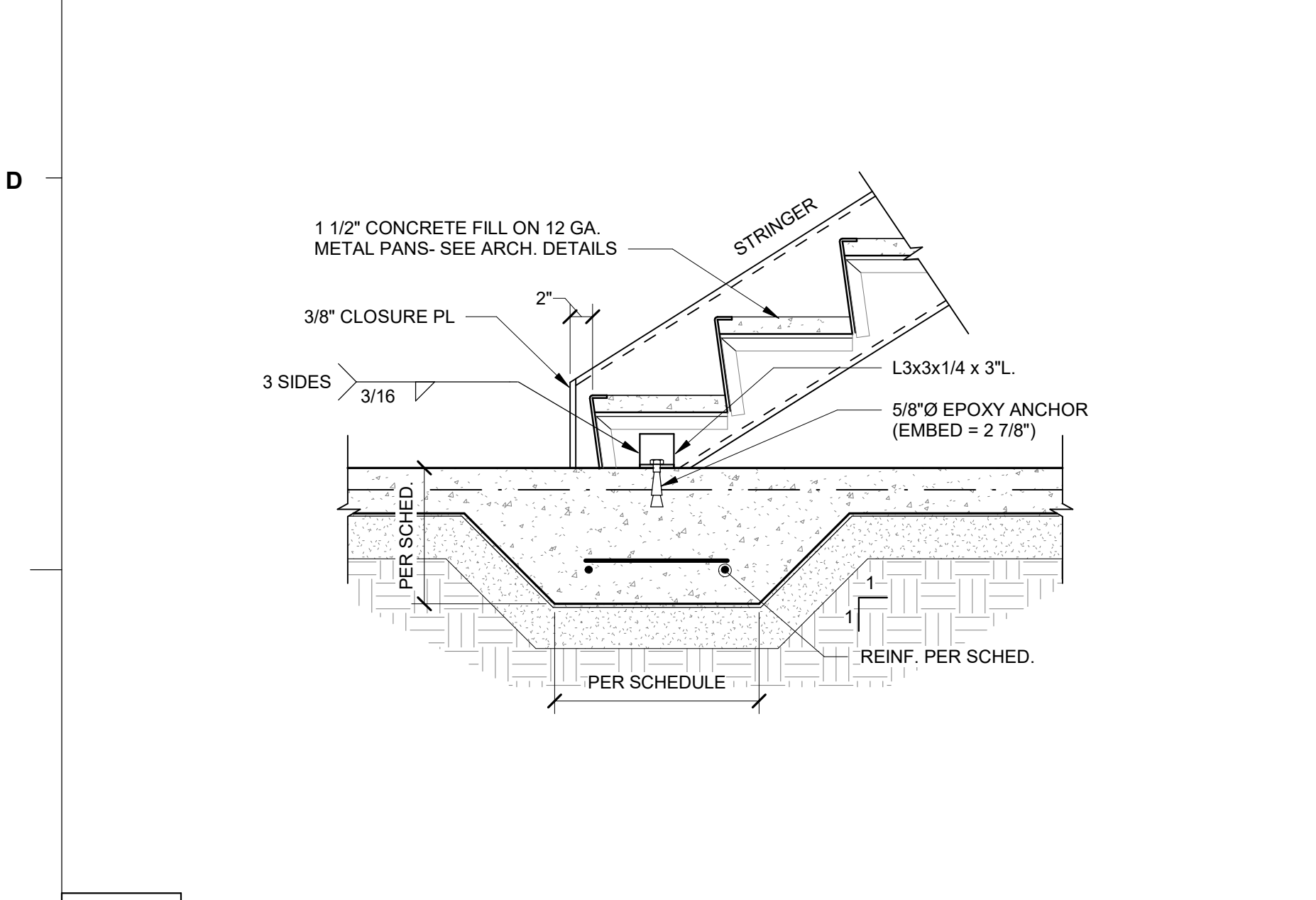
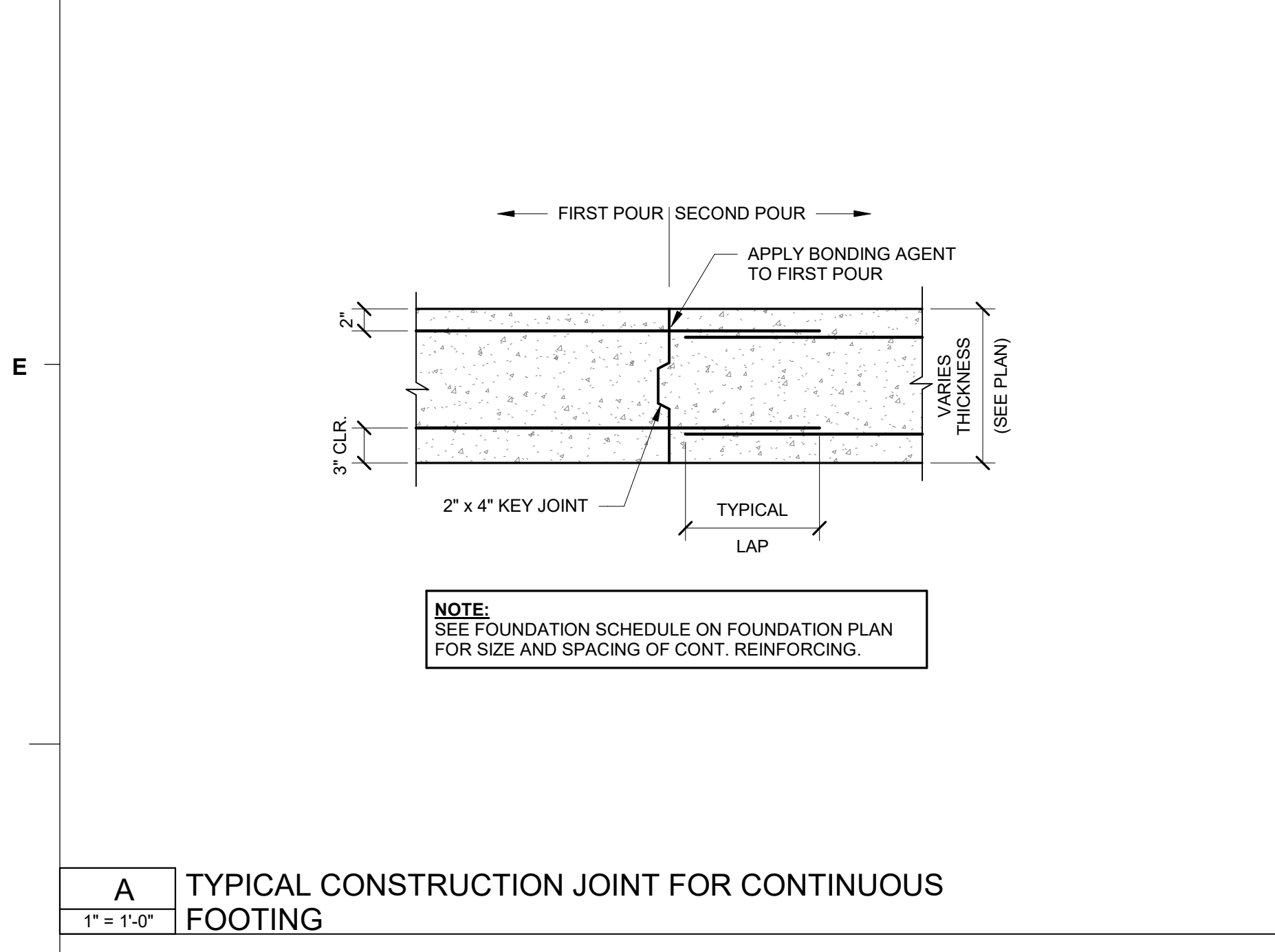


L PARTITION BEARING WITH CONTROL JOINT @ WALL FACE
1" = 1'-0"

TYPICAL ANCHOR ROD SCHEDULE

DIMENSIONS	BEARING @ FOOTING
BASEPLATE THICKNESS	3/4"
L	6"
H	8"
K	2"
P (MIN)	4 1/4"

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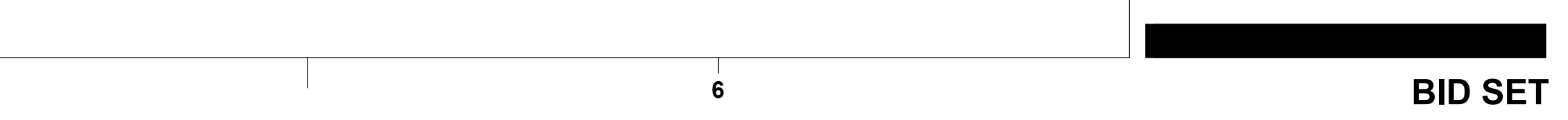
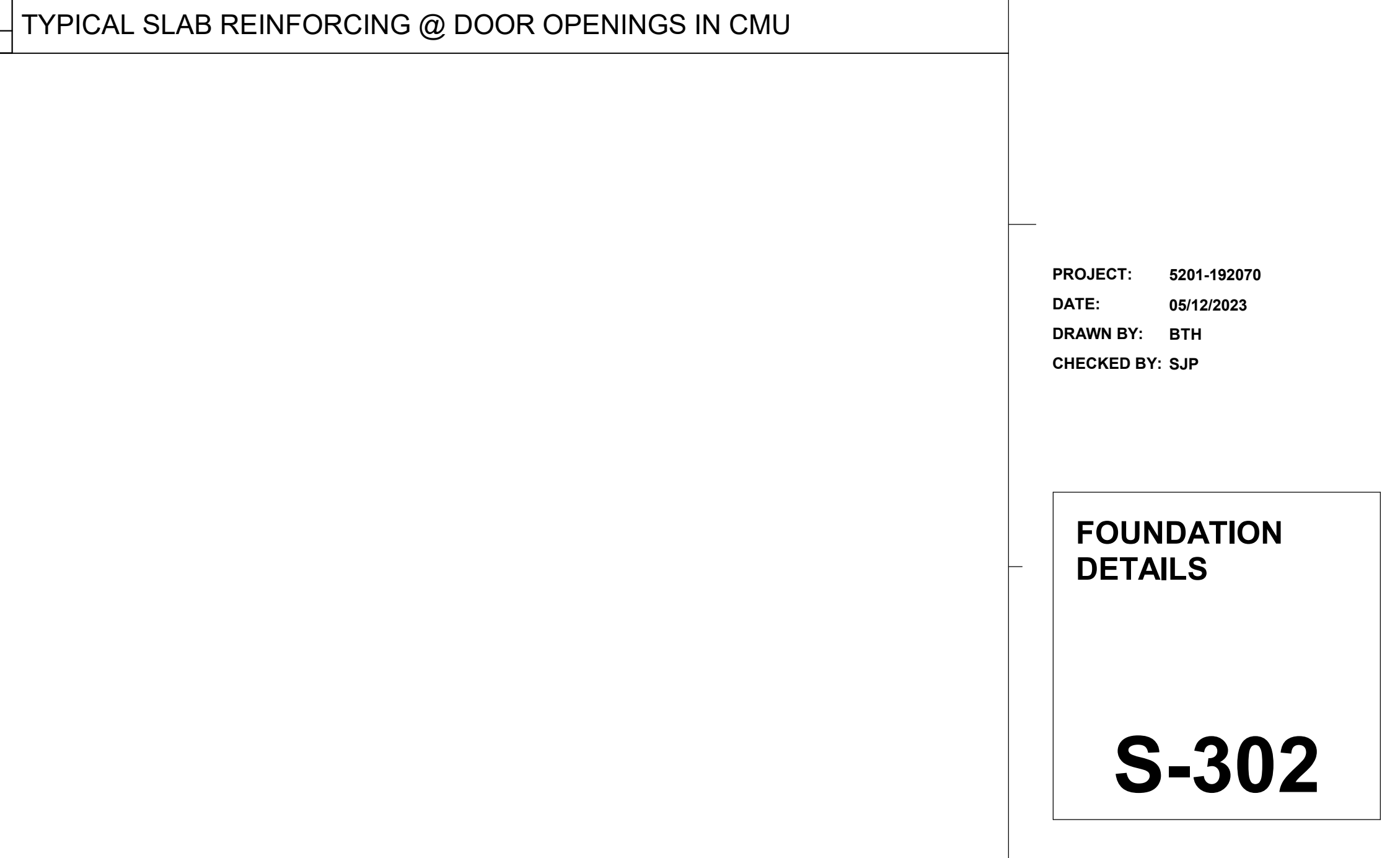
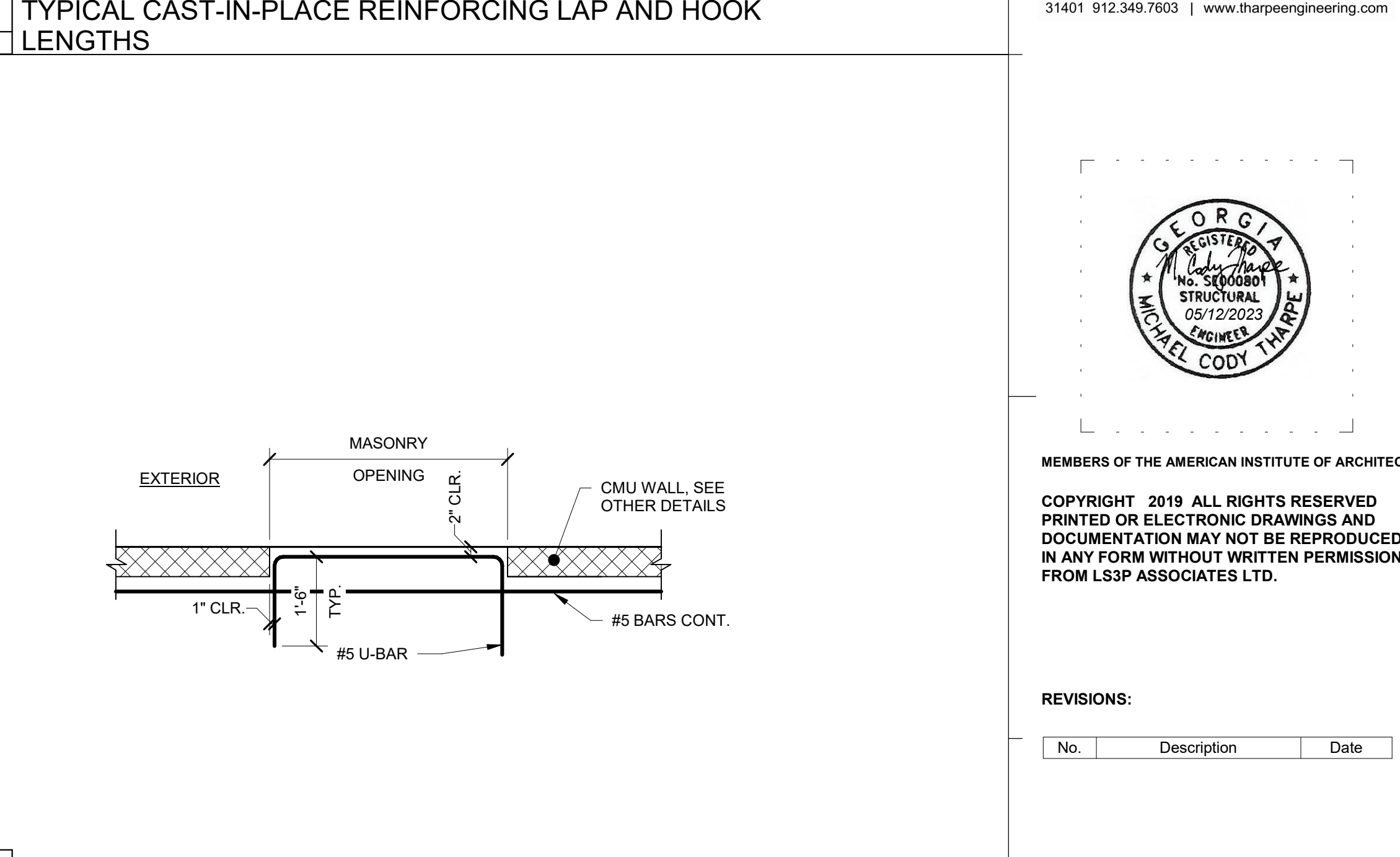
TYPICAL LAP & HOOK SCHEDULE

BAR SIZE	TYP. LAP (IN.)	STANDARD HOOK			STIRRUP & TIE HOOK		
		D (IN.)	180° HOOK A OR G (IN.)	90° HOOK A OR G (IN.)	D (IN.)	90° HOOK A OR G (IN.)	135° HOOK A OR G (IN.)
#3	18	2 1/4	5	6	1 1/2	4	4
#4	24	3	6	8	2	4 1/2	4 1/2
#5	30	3 3/4	7	10	2 1/2	6	5 1/2
#6	36	4 1/2	8	1-0	4 1/2	1-0	8
#7	42	5 1/4	10	1-2	5 1/4	1-2	9
#8	48	6	11	1-4	6	1-4	10 1/2
#9	54	9 1/2	1-3	1-7			
#10	62	10 3/4	1-5	1-10			
#11	68	12	1-7	2-0			
#14	82	18 1/4	2-3	2-7			
#18	108	24	3-0	3-5			

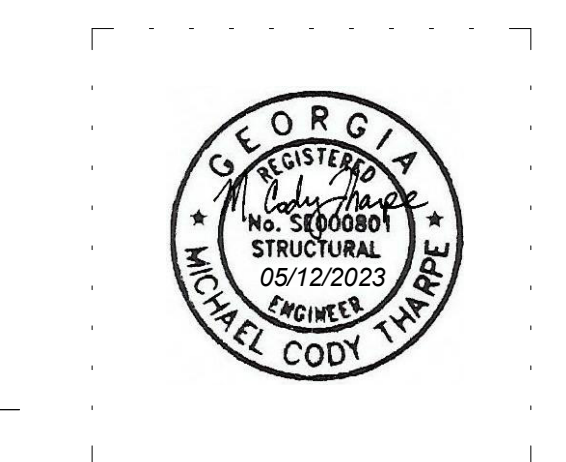
NOTE: UNITS = IN. OR FT.-IN.

NOTE: ASTM A767 REQUIRES THAT BARS BENT COLD PRIOR TO HOT DIP GALVANIZING MUST BE FABRICATED TO A MINIMUM BEND DIAMETER EQUAL TO 7 IN. FOR #7 BAR AND 8 IN. FOR #8 BAR.

TYPICAL BAR & TIE PROFILES



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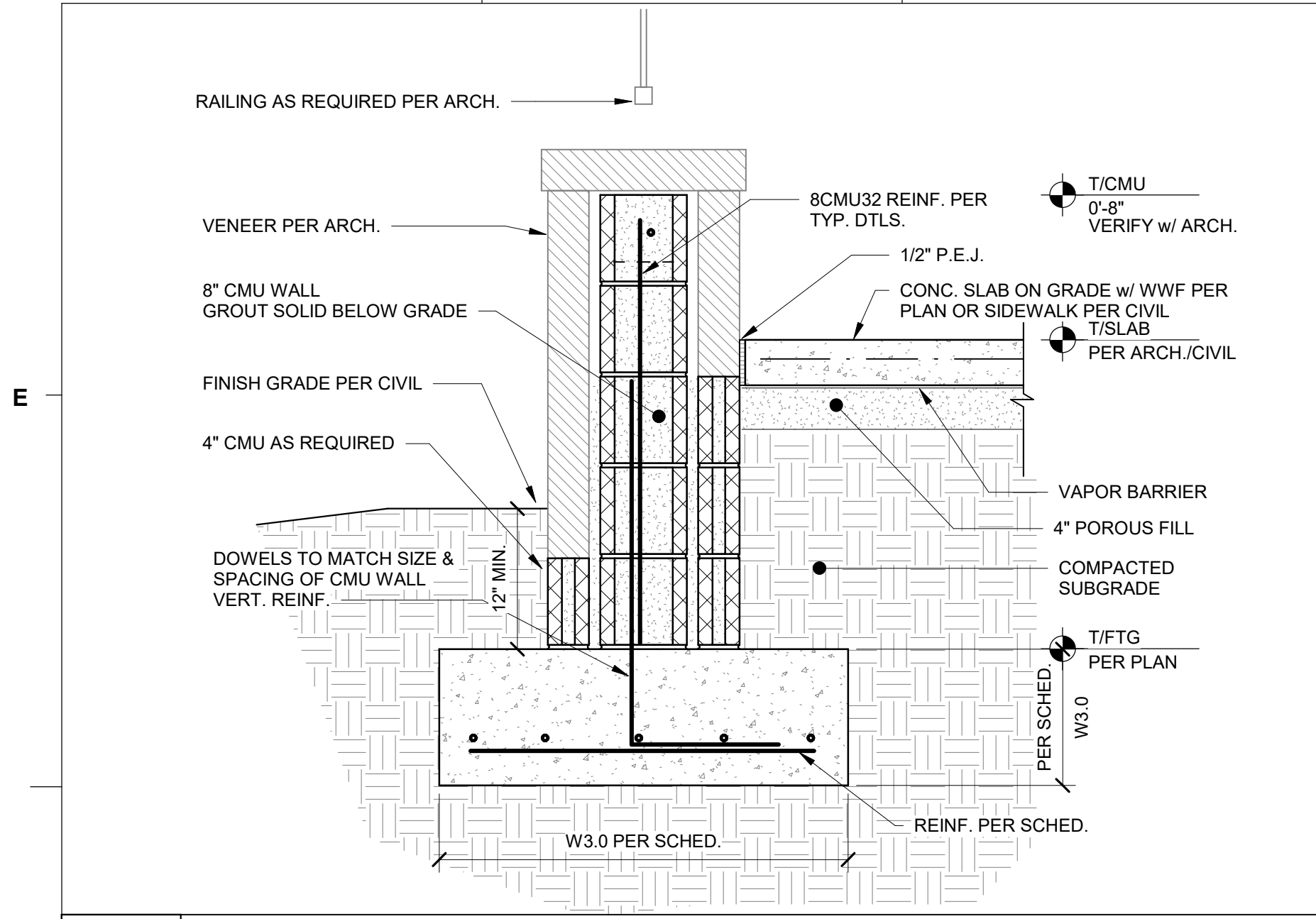


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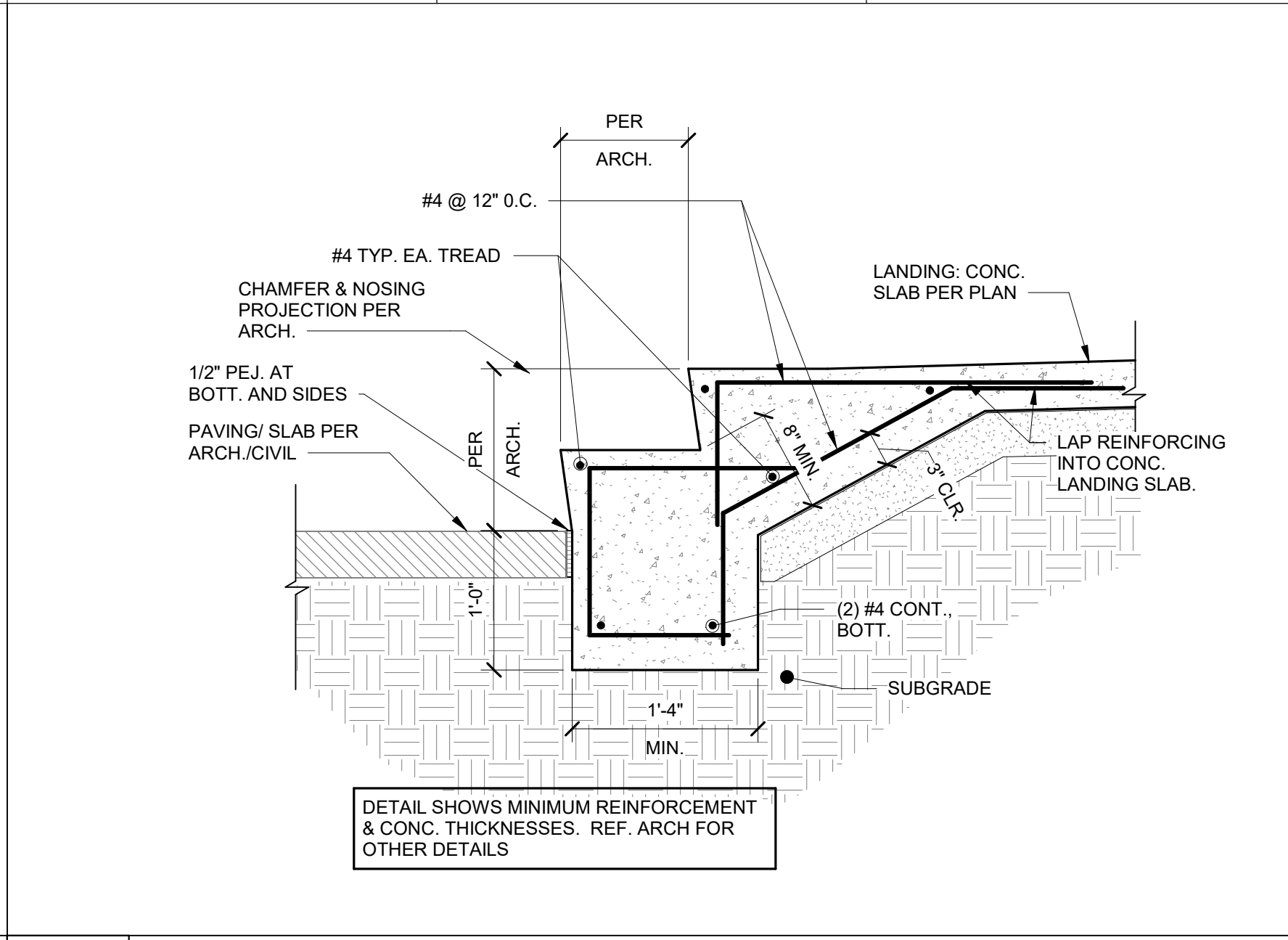
REVISIONS:

No.	Description	Date

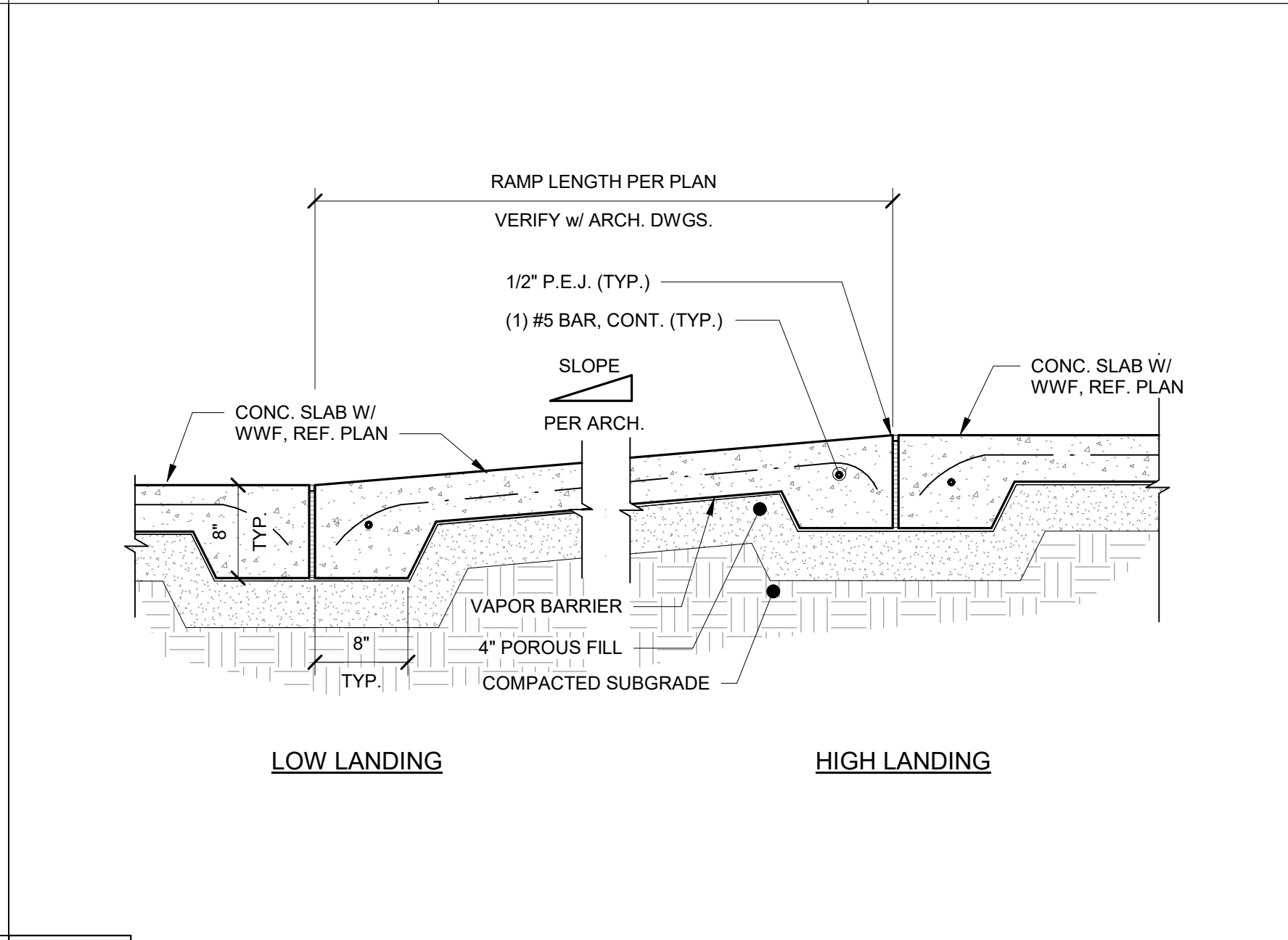
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DATE: 05/12/2023
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CHECKED BY: SJP



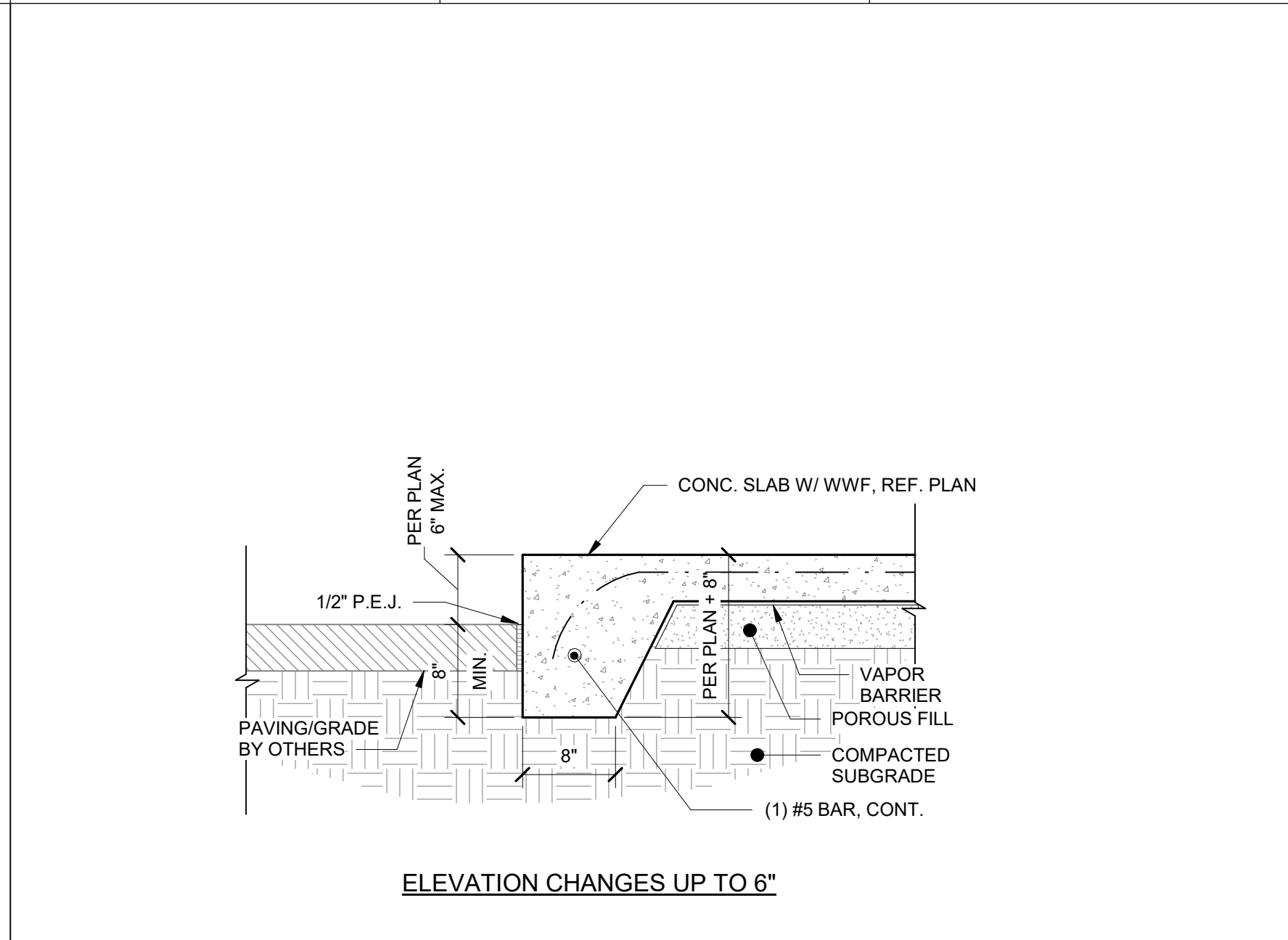
A TYPICAL CMU RETAINING WALL
1" = 1'-0"



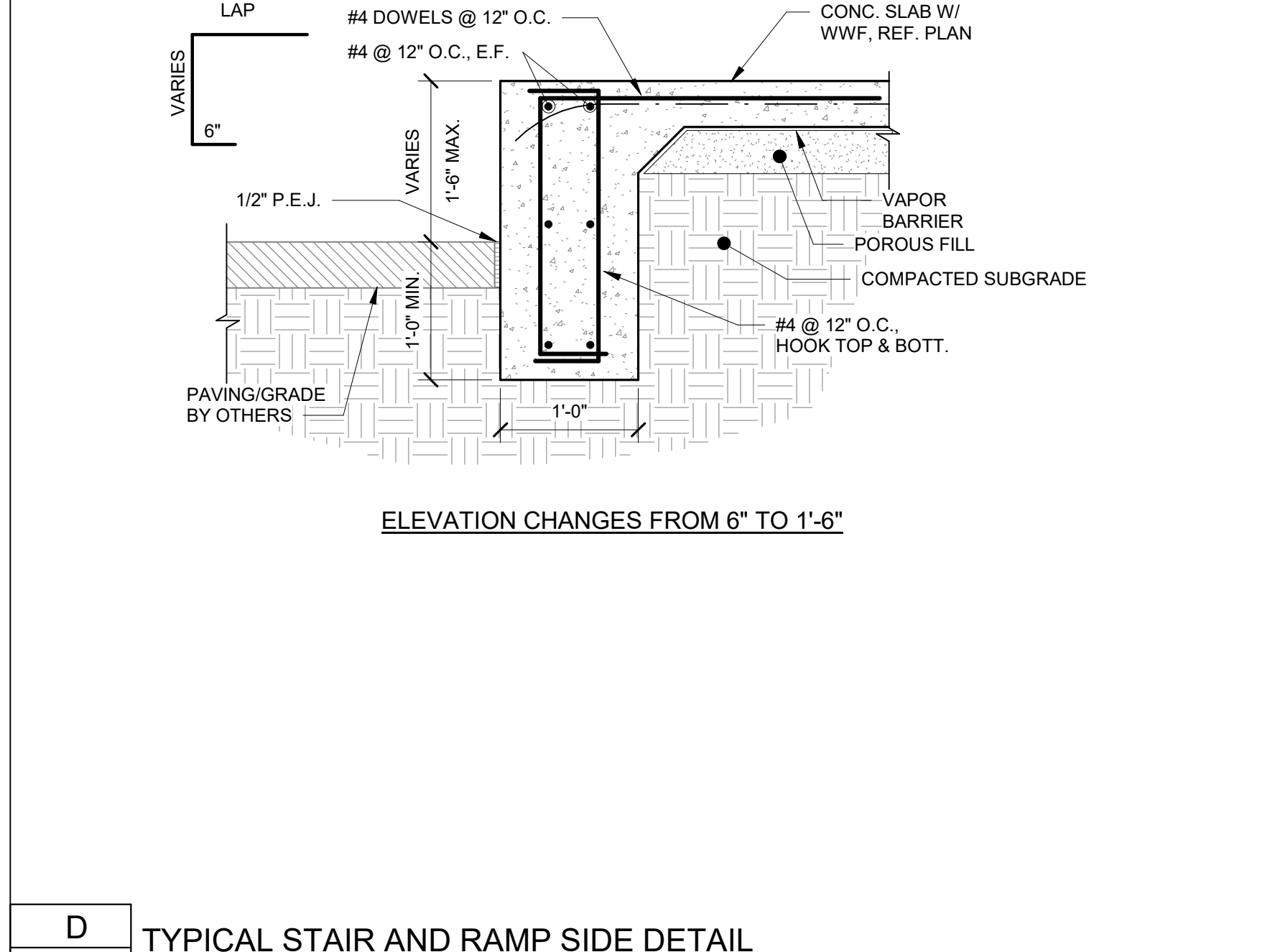
B TYPICAL STAIR REINFORCING DETAIL
1" = 1'-0"



C TYPICAL CONCRETE RAMP DETAILS
1" = 1'-0"

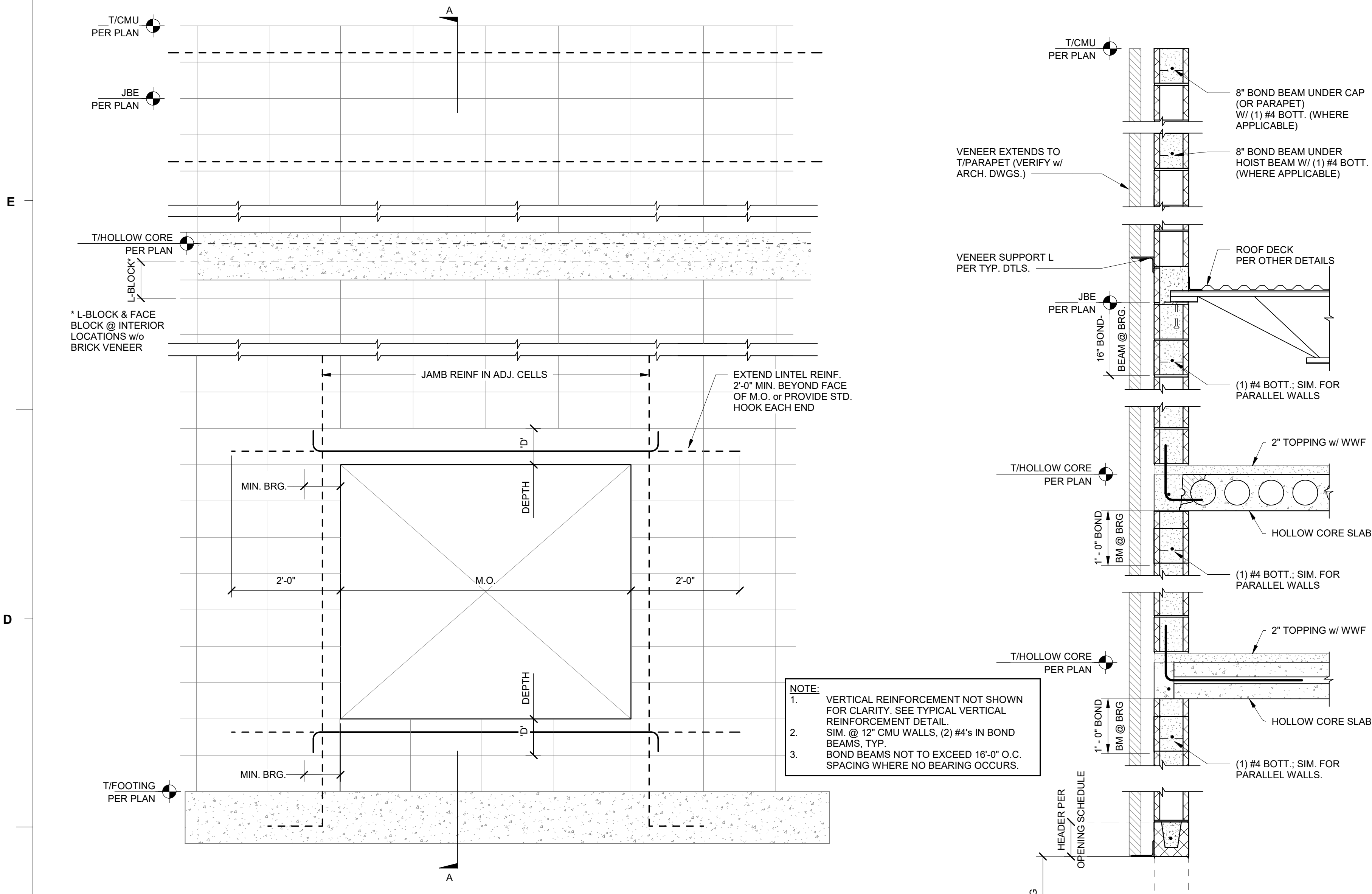


D TYPICAL STAIR AND RAMP SIDE DETAIL
1" = 1'-0"



D TYPICAL STAIR AND RAMP SIDE DETAIL
1" = 1'-0"

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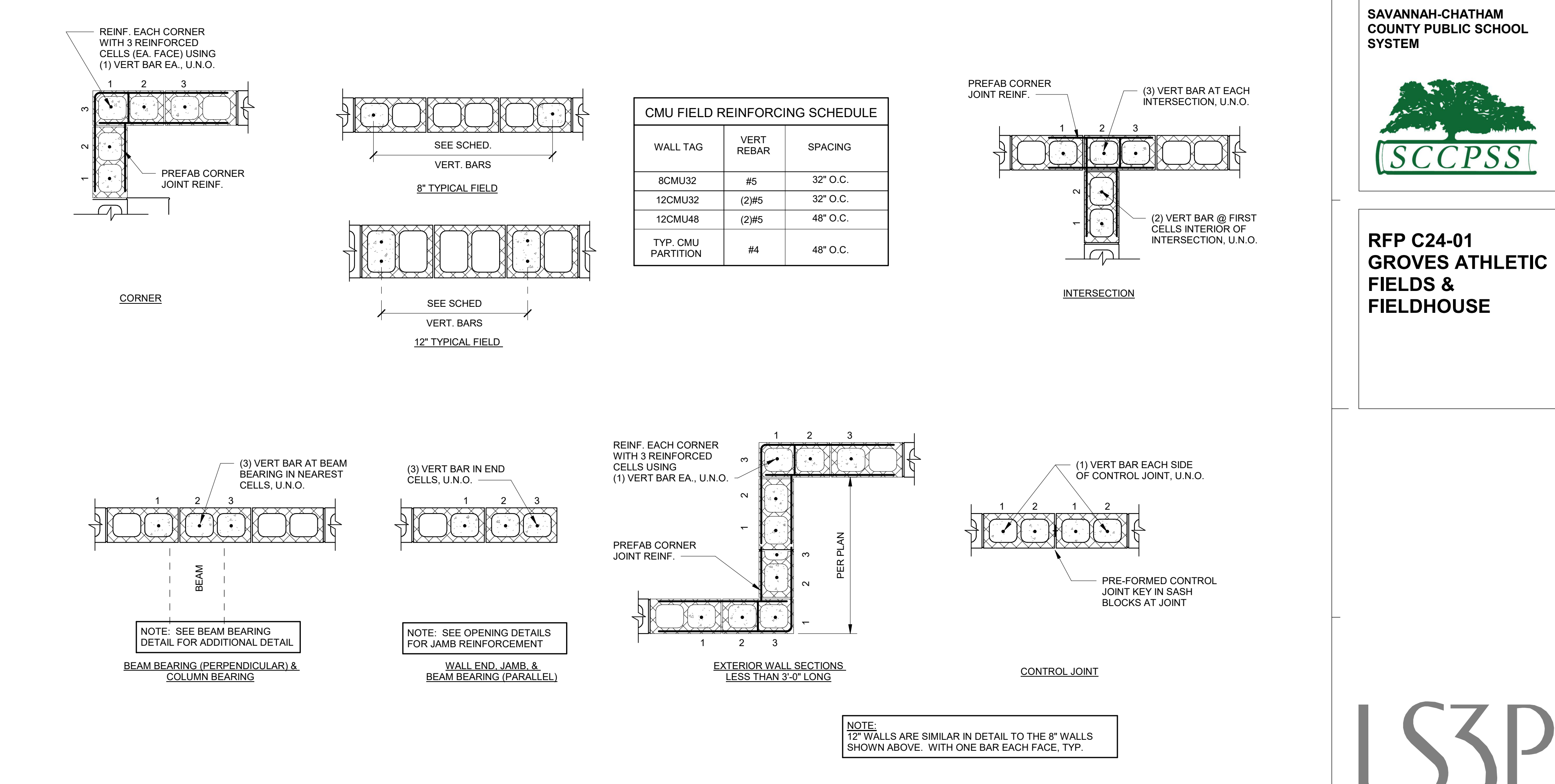
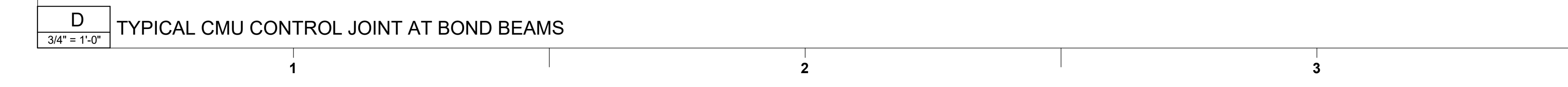
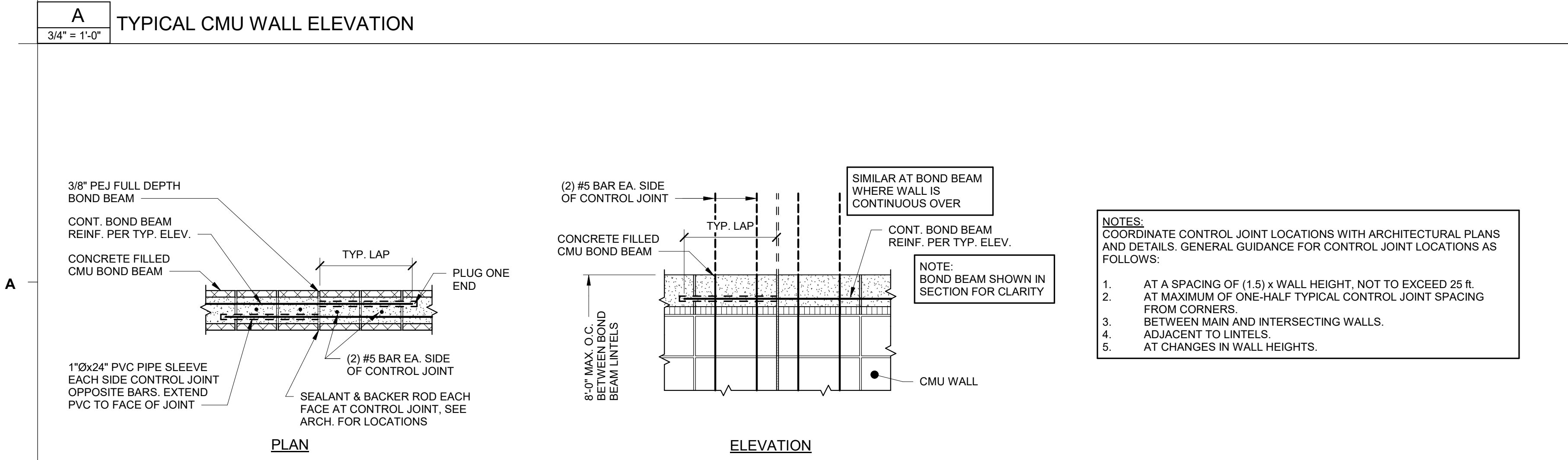


TYPICAL 8" CMU WALL LINTELS & JAMB

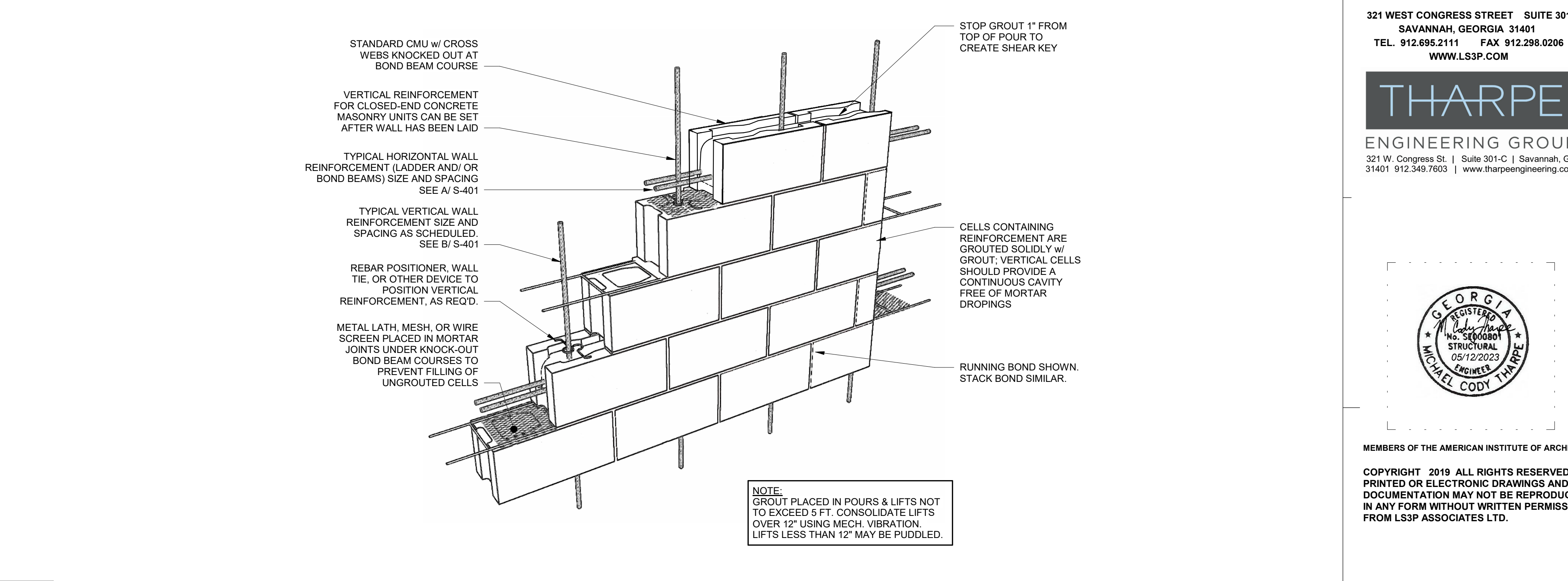
MSNRY OPNG. M.O.	#OF STORIES ABOVE M.O.	HEADER LINTEL				PC = PRE-CAST LINTEL (CAST-CRETE OR EQUIV)	STEEL LINTEL (SEE J/S-303)	SILL LINTEL		JAMB			
		DEPTH D	BOTTOM REINF.	TOP REINF.	TIE SPACING			DEPTH D	BOTTOM REINF.	MIN. BRG.	JAMB REINF.	NO. ADJ. CELLS	
MAX 4'-0"	0	16"	(1) #5	-	-	8F8-8B	-	8"	(1) #4	-	8"	#5	1
	1	16"	(2) #5	(2) #5	#3 @ 8" O.C.	8F16-1B	-	8"	(1) #4	-	8"	#5	1
MAX 6'-6"	0	16"	(1) #6	(1) #5	#3 @ 8" O.C.	8F12-0B	-	8"	(1) #4	-	8"	#5	1
	1	24"	(2) #6	(2) #5	#3 @ 8" O.C.	8F20-1B	-	8"	(1) #4	-	8"	#5	1
MAX 8'-0"	0	24"	(2) #5	(2) #5	#3 @ 8" O.C.	8F16-1B	-	8"	(1) #4	-	8"	#5	1
	1	32"	(2) #6	(2) #5	#3 @ 8" O.C.	8F32-1B	-	8"	(1) #4	-	8"	#5	1
MAX 9'-4"	0	24"	(1) #6	(1) #5	#3 @ 8" O.C.	8F16-1B	-	8"	(1) #4	-	16"	#5	2
	1	40"	(2) #6	(2) #5	#3 @ 8" O.C.	8F32-1B	-	8"	(1) #4	-	8"	#5	1
MAX 10'-4"	0	24"	(1) #7	(1) #5	#3 @ 8" O.C.	8F28-1B	W12x35	8"	(1) #4	-	16"	#5	2
	1	40"	(2) #6	(2) #5	#3 @ 8" O.C.	8F32-1B	-	8"	(1) #4	-	8"	#5	1

TYPICAL 12" CMU WALL LINTELS & JAMB

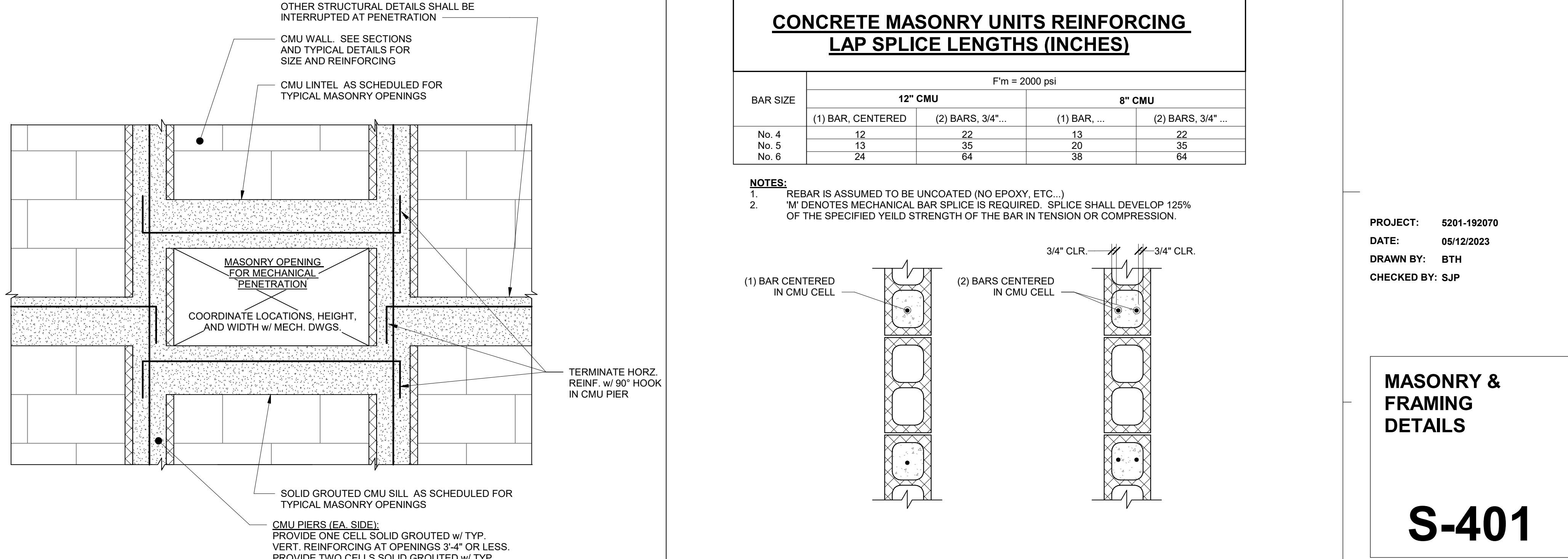
MSNRY OPNG. M.O.	HEADER LINTEL				SILL LINTEL				JAMB		
	DEPTH D	BOTTOM REINF.	TOP REINF.	TIE SPACING	DEPTH D	BOTTOM REINF.	TOP REINF.	TIE SPACING	MIN. BRG.	JAMB REINF.	NO. ADJ. CELLS
MAX 4'-0"	16"	(2) #5	-	-	8"	(1) #4	-	-	8"	(2) #5	1
MAX 6'-6"	24"	(2) #5	-	-	8"	(1) #4	-	-	8"	(2) #5	1
MAX 12'-0"	32"	(2) #7	(2) #4	#3 @ 8"	8"	(1) #4	-	-	16"	(2) #5	2



B TYPICAL CMU VERTICAL REINFORCEMENT



C TYPICAL CMU WALL REINFORCING DETAIL



E TYPICAL MECHANICAL PENETRATION IN CMU WALL

CONCRETE MASONRY UNITS REINFORCING LAP SPLICE LENGTHS (INCHES)

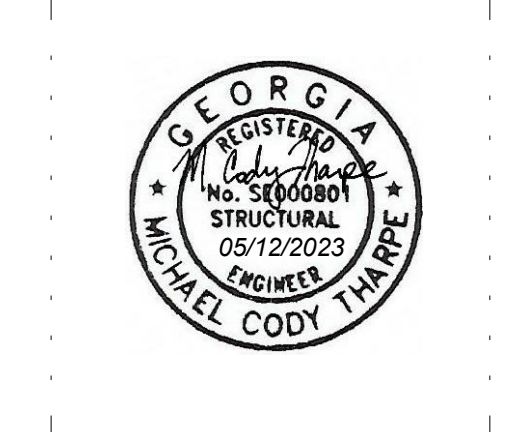
BAR SIZE	F _m = 2000 psi			
	12" CMU		8" CMU	
	(1) BAR, CENTERED	(2) BARS, 3/4" CLR.	(1) BAR, ...	(2) BARS, 3/4" CLR.
No. 4	12	22	13	22
No. 5	13	35	20	35
No. 6	24	64	38	64

NOTES:
 1. REBAR IS ASSUMED TO BE UNCOATED (NO EPOXY, ETC...)
 2. "M" DENOTES MECHANICAL BAR SPLICE IS REQUIRED. SPLICE SHALL DEVELOP 125% OF THE SPECIFIED YIELD STRENGTH OF THE BAR IN TENSION OR COMPRESSION.

NOTE: (1) BAR CENTERED IN CMU CELL

NOTE: (2) BARS CENTERED IN CMU CELL

F TYPICAL CONCRETE MASONRY UNITS REINFORCING LAP SPLICE LENGTHS (INCHES)



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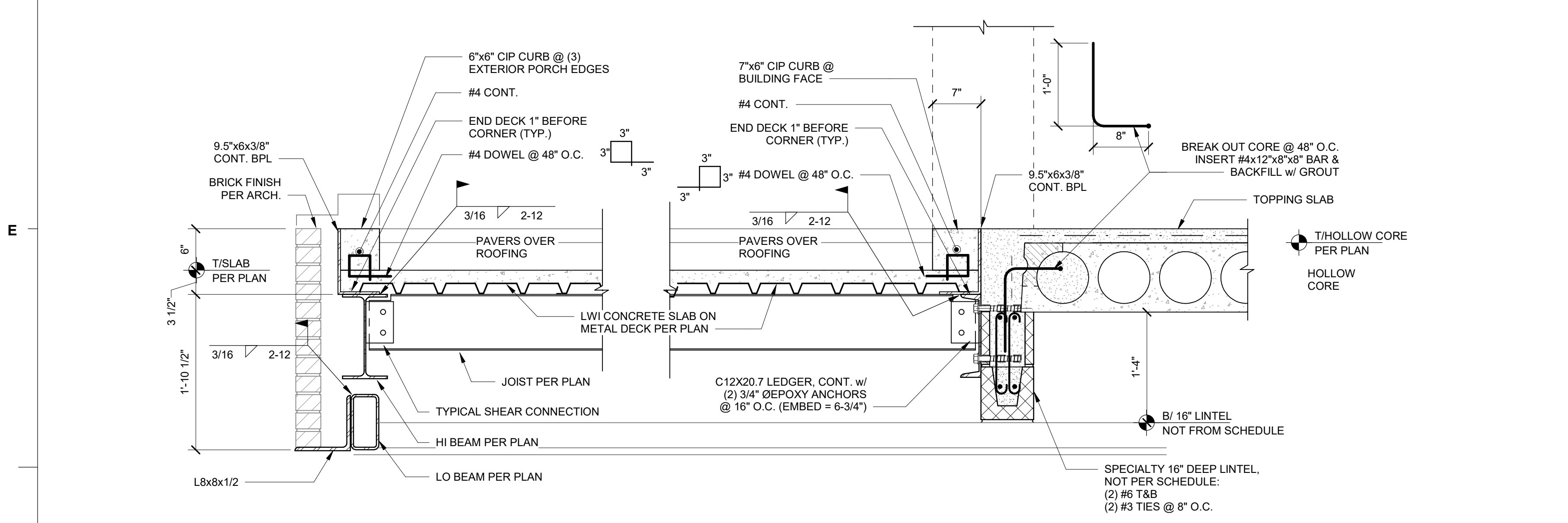
REVISIONS:

No.	Description	Date

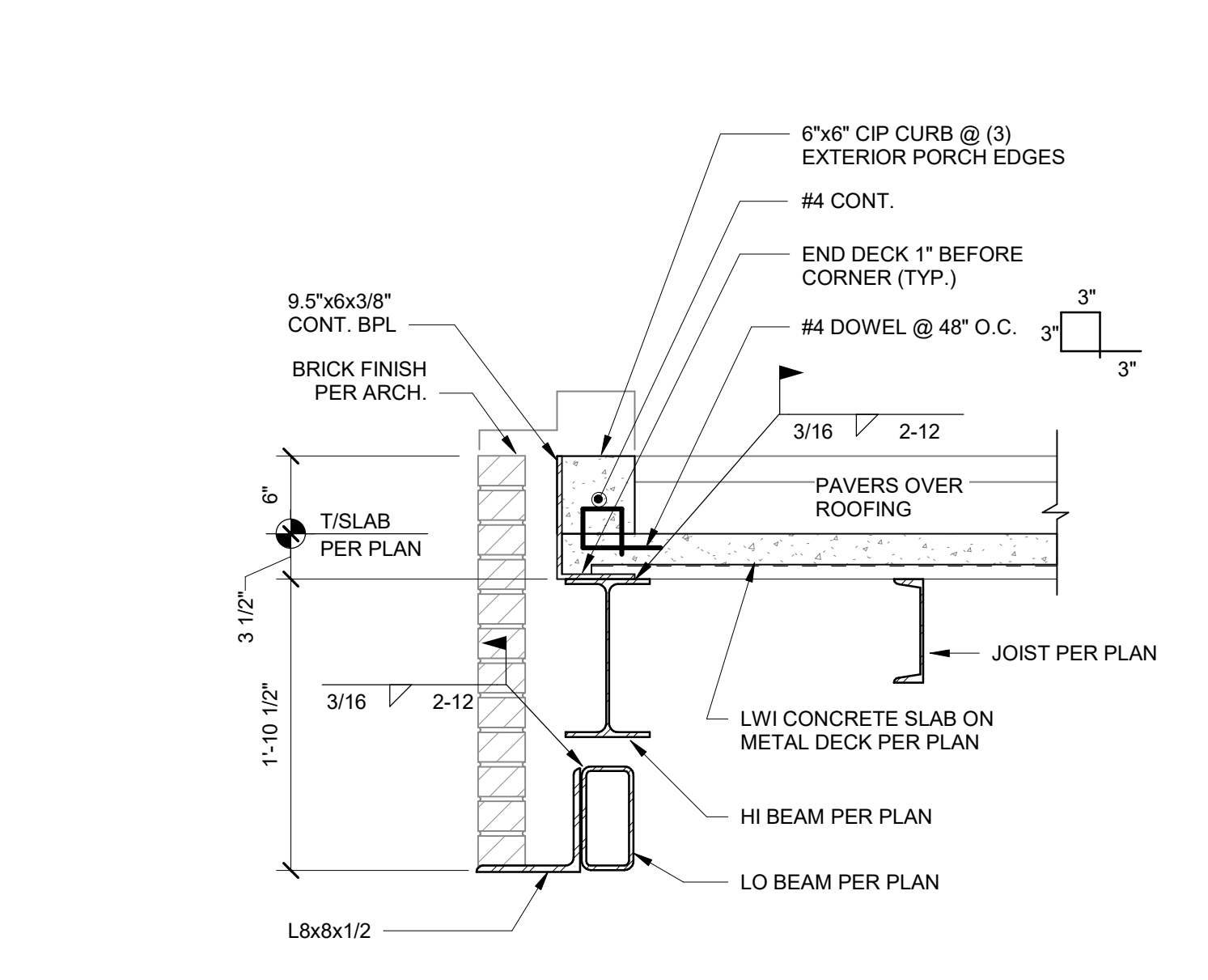
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 DATE: 05/12/2023
 DRAWN BY: BTH
 CHECKED BY: SJP

MASONRY & FRAMING DETAILS

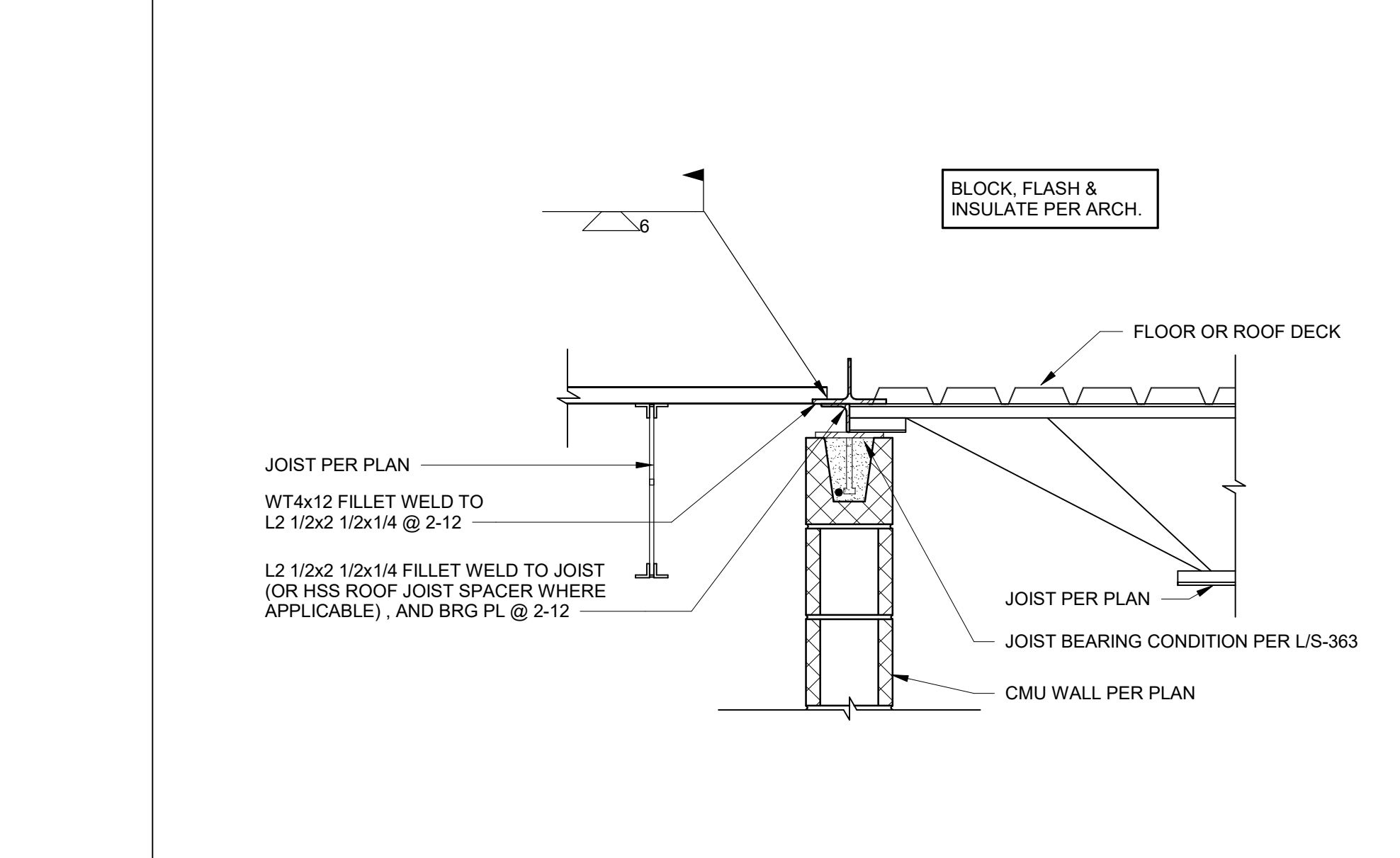
S-402



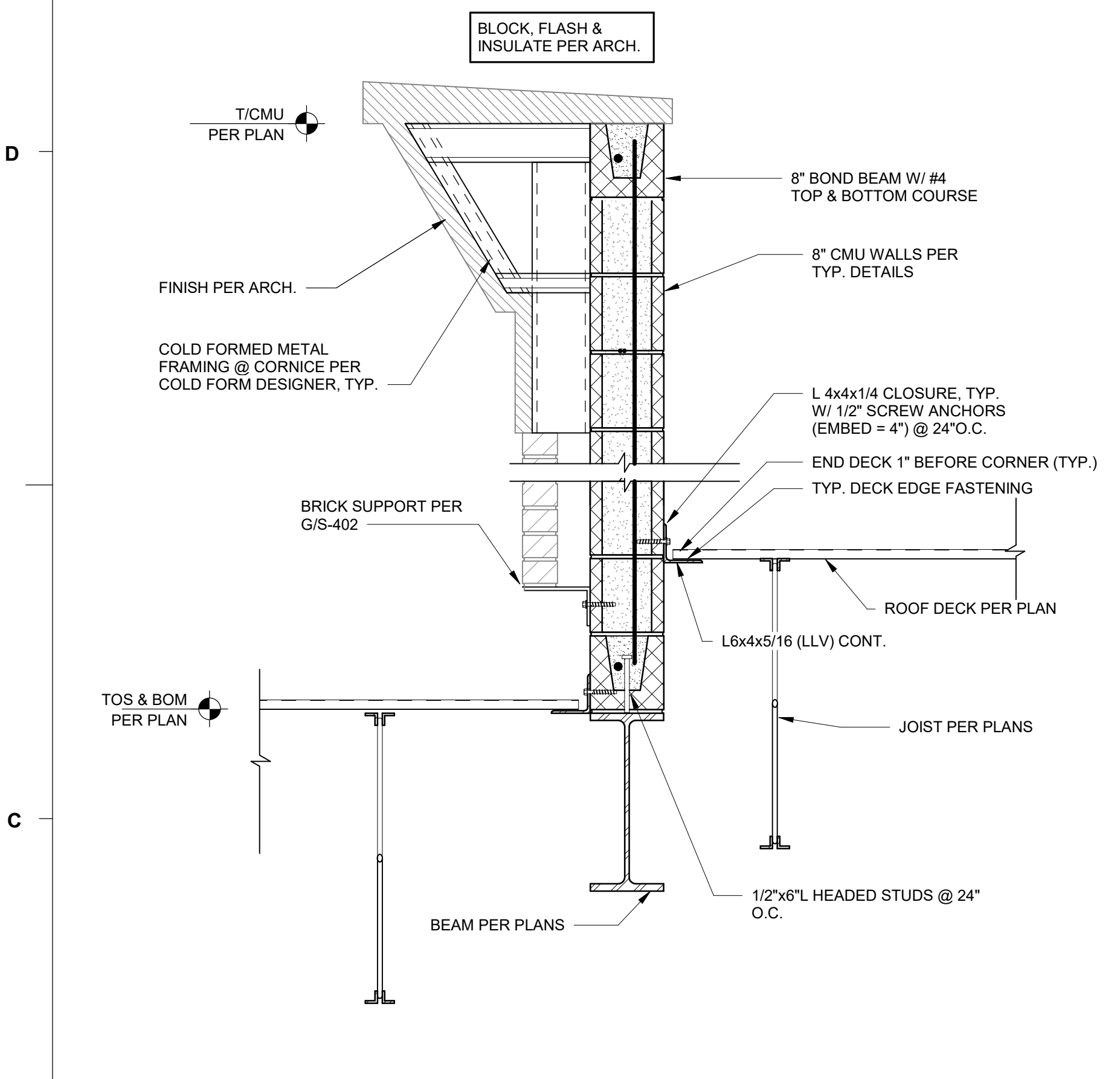
A PORCH FRAMING @ CMU
 1" = 1'-0"



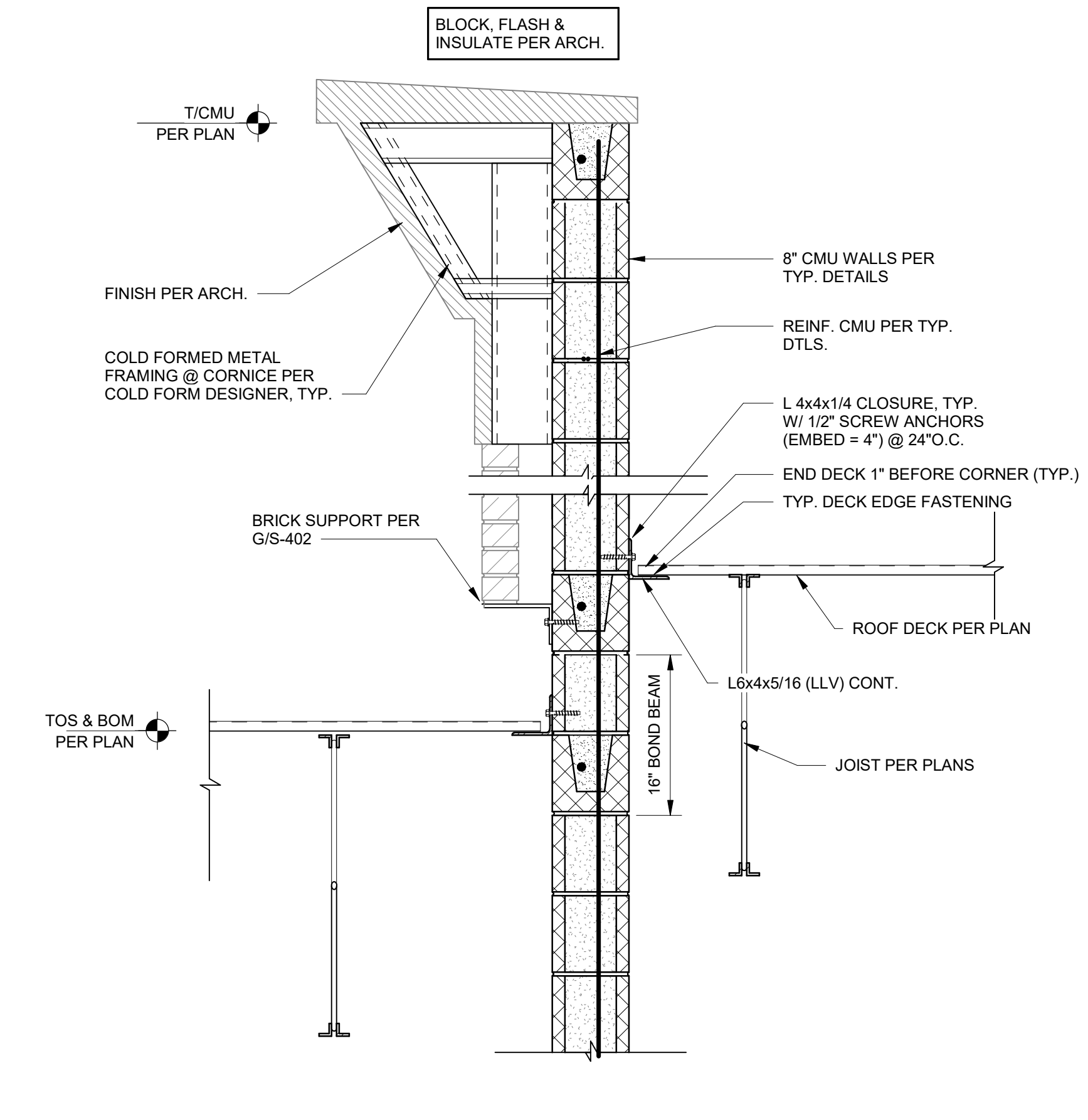
B PORCH DECK BEARING (PARALLEL TO JOIST)
 1" = 1'-0"



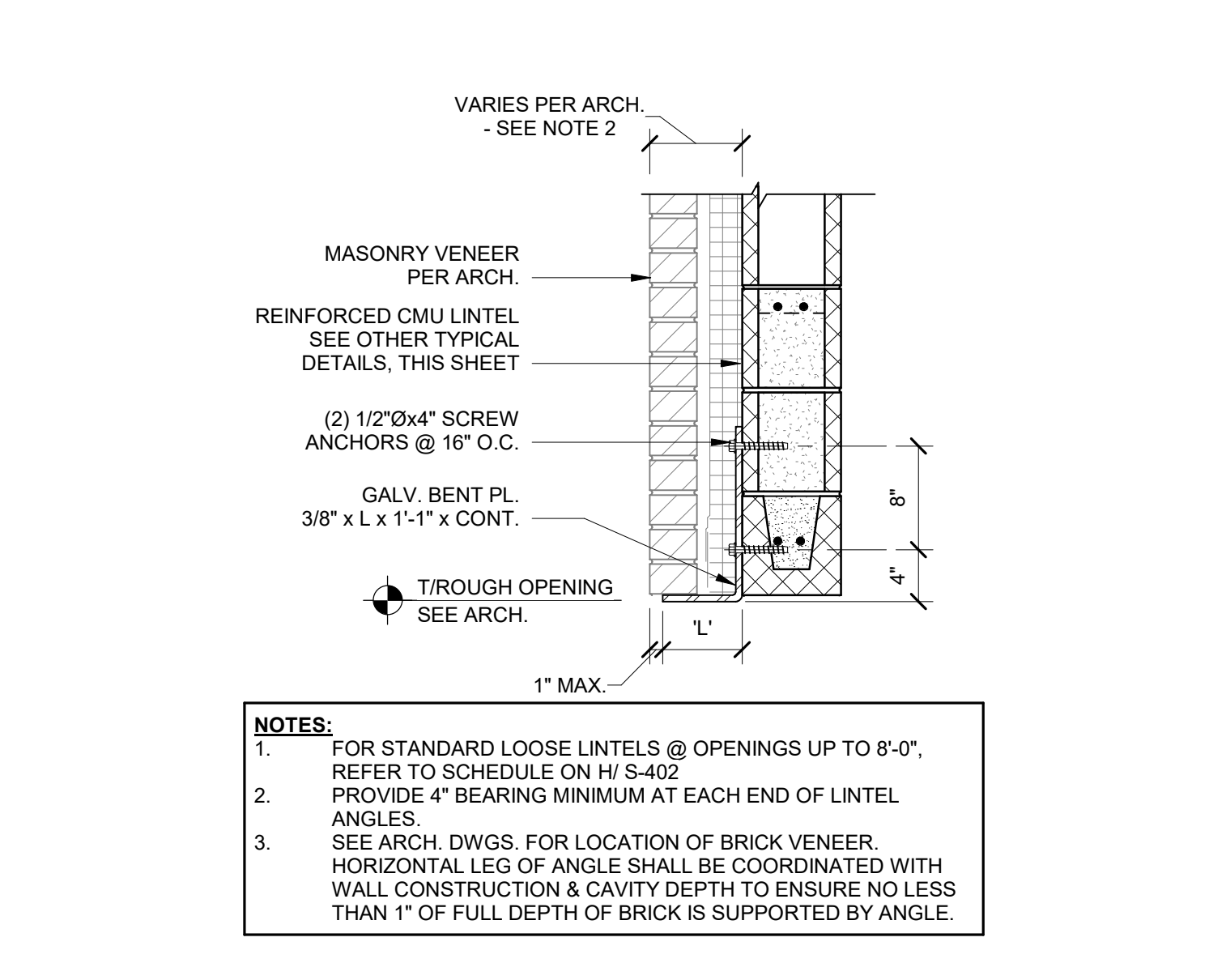
C CHANGE IN ROOF DECK DIRECTION OVER CMU
 1" = 1'-0"



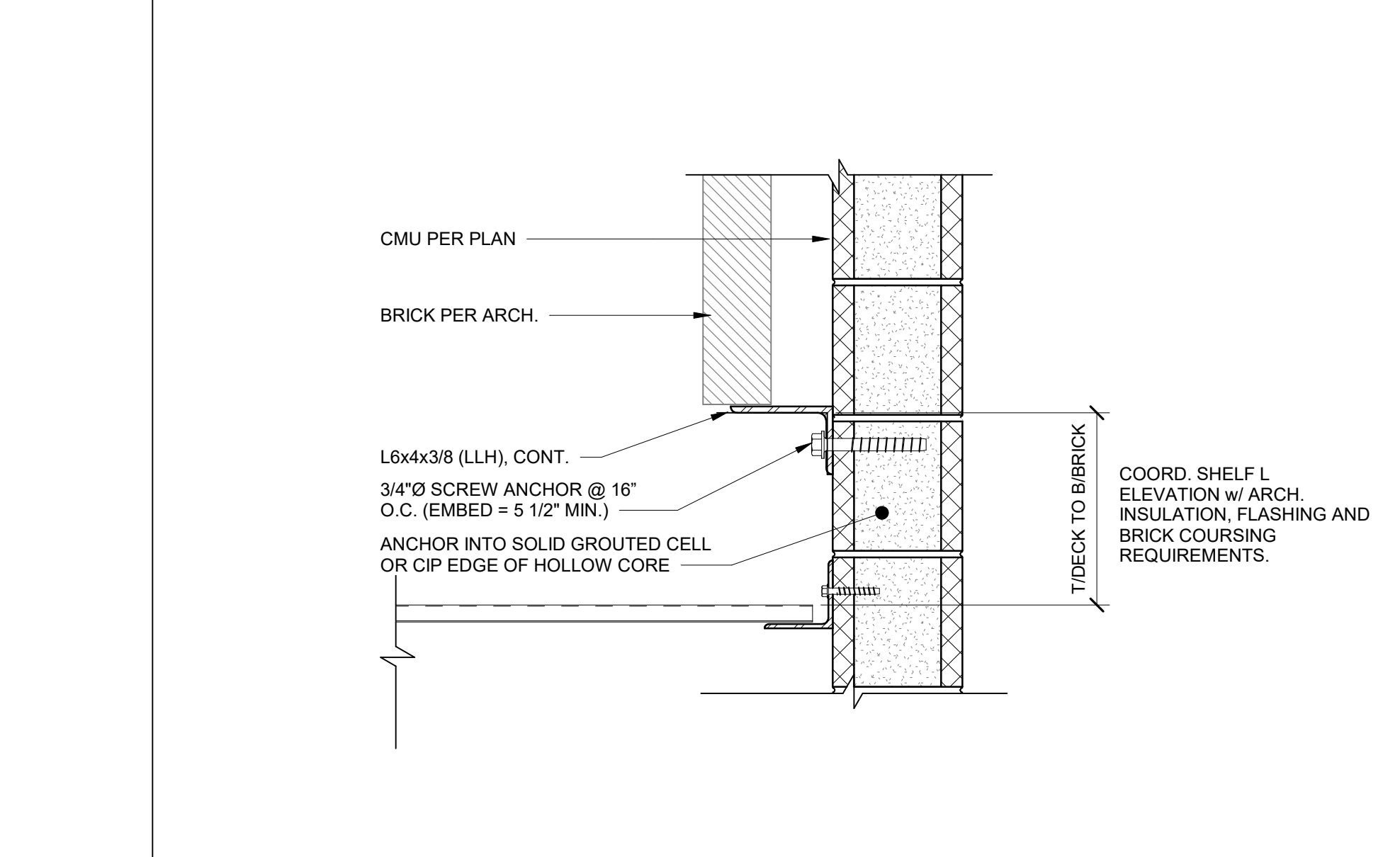
D ROOF TRANSITION AT BEAM
 1" = 1'-0"



E ROOF TRANSITION AT WALL
 1" = 1'-0"



F TYPICAL BRICK LINTEL @ MASONRY OPENINGS GREATER THAN 8'-0"
 1" = 1'-0"



G TYPICAL BRICK SHELF ABOVE ROOF DECKS
 1 1/2" = 1'-0"

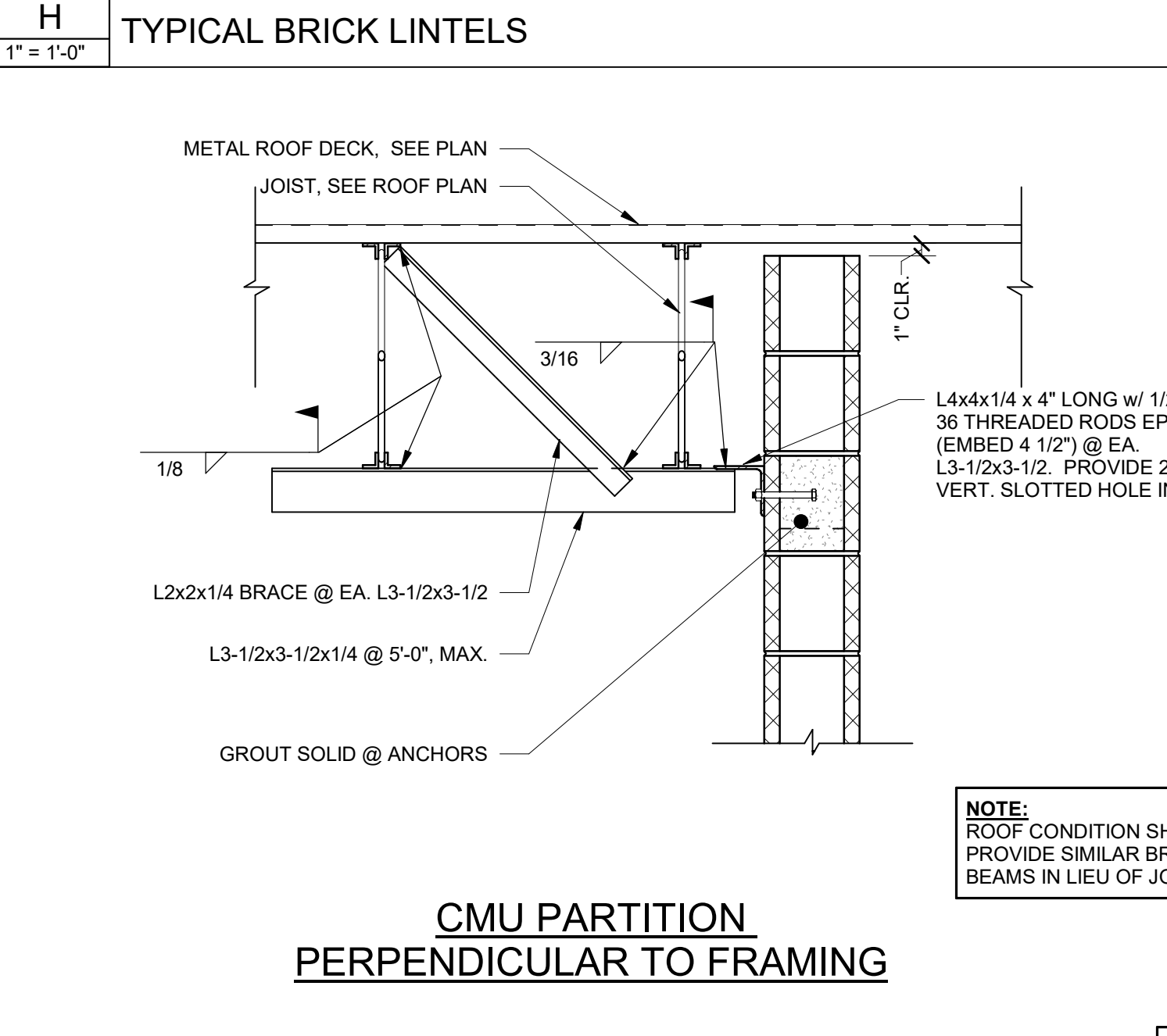
STANDARD LINTEL SIZE

CLEAR SPAN	TYPICAL BRICK LINTELS
MAX 4'-0"	(1) L3 x 3 1/2 x 1/4 FOR EACH 4" WYTHE
MAX 5'-0"	(1) L4 x 3 1/2 x 1/4 FOR EACH 4" WYTHE (SLO)
MAX 6'-0"	(1) L5 x 3 1/2 x 5/16 FOR EACH 4" WYTHE (SLO)
MAX 7'-0"	(1) L5 x 3 1/2 x 3/8 FOR EACH 4" WYTHE (SLO)
MAX 8'-0"	(1) L6 x 3 1/2 x 3/8 FOR EACH 4" WYTHE (SLO)

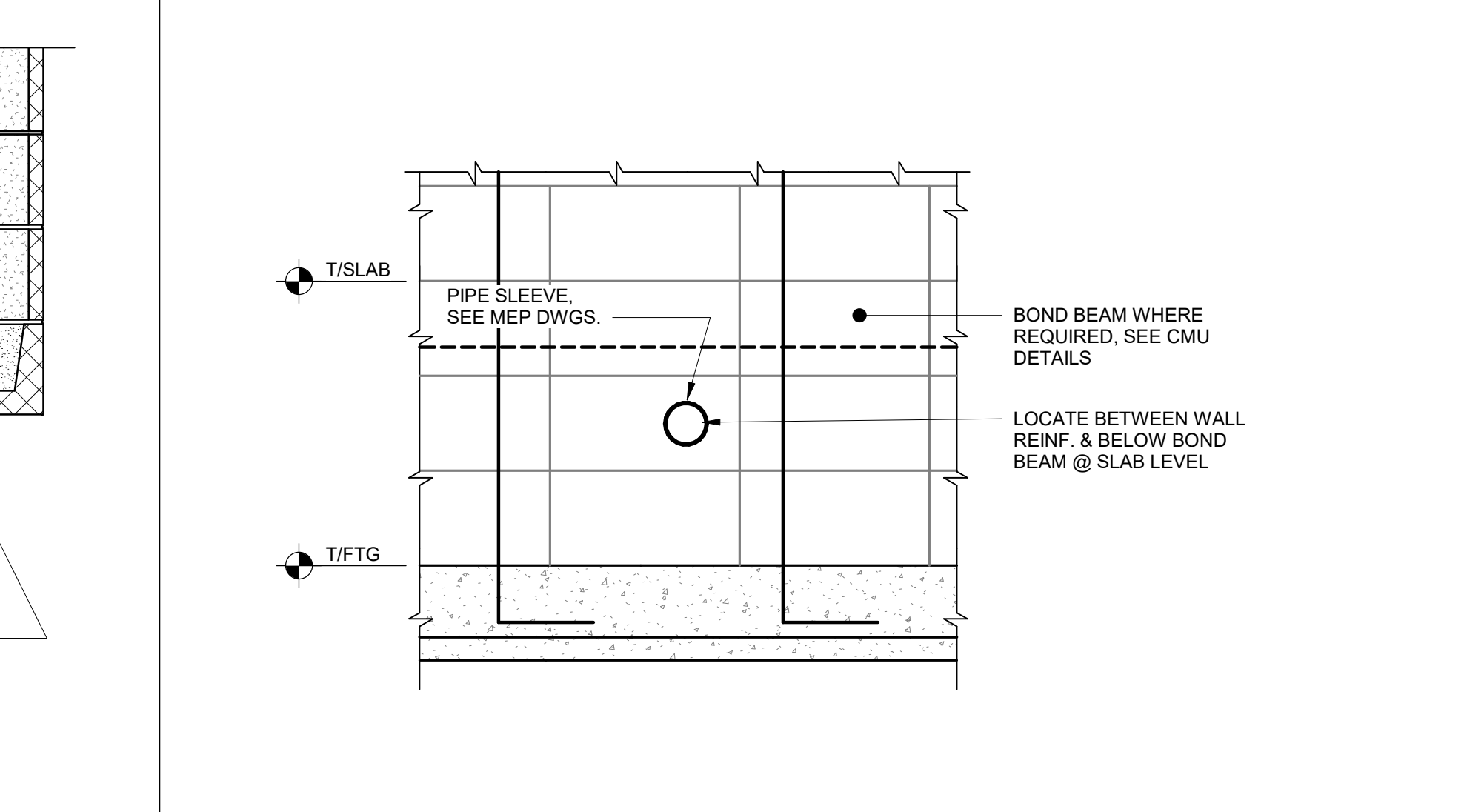
BRICK LINTEL NOTES:

- END BEARING SHALL BE 6" (MIN.) FOR CLEAR SPANS OF 6'-0" OR LESS. INCREASE BEARING LENGTH BY 1" FOR EACH FOOT OF SPAN OVER 6'-0".
- INCREASE WIDTH OF HORIZONTAL LEG WHERE REQUIRED TO COVER WALL CAVITY ABOVE.
- SEE ARCHITECTURAL DETAILS AND PLANS FOR OPENING LOCATIONS AND DIMENSIONS.

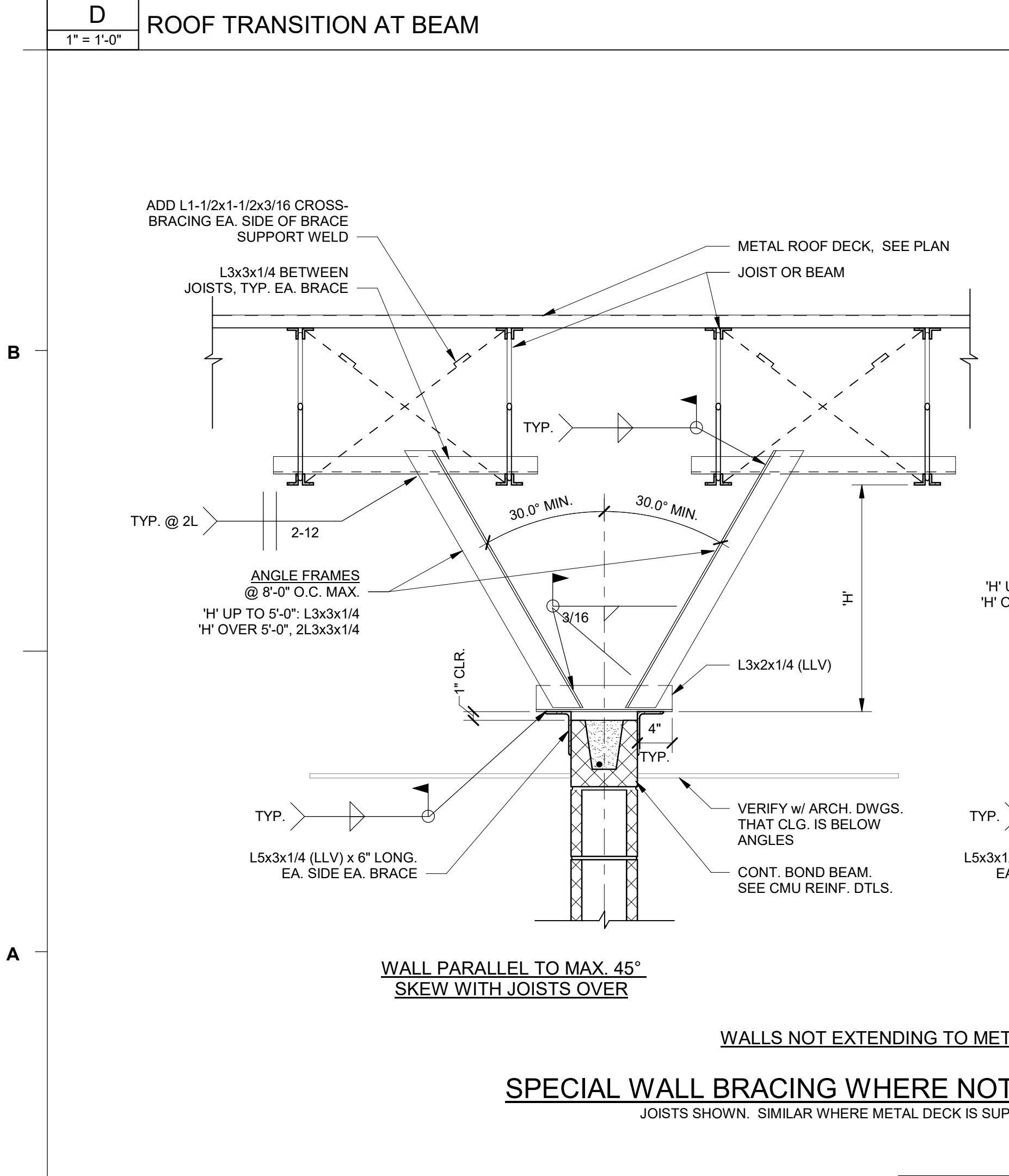
WHERE CAVITY REQUIREMENTS DICTATE FULL COVERAGE, ADD A 1/4" STITCH PLATE FROM THE INSIDE FACE OF ANGLE TO THE FACE OF THE BLOCK. COORDINATE WITH ARCHITECTURAL DETAILS FOR CAVITY REQUIREMENTS.



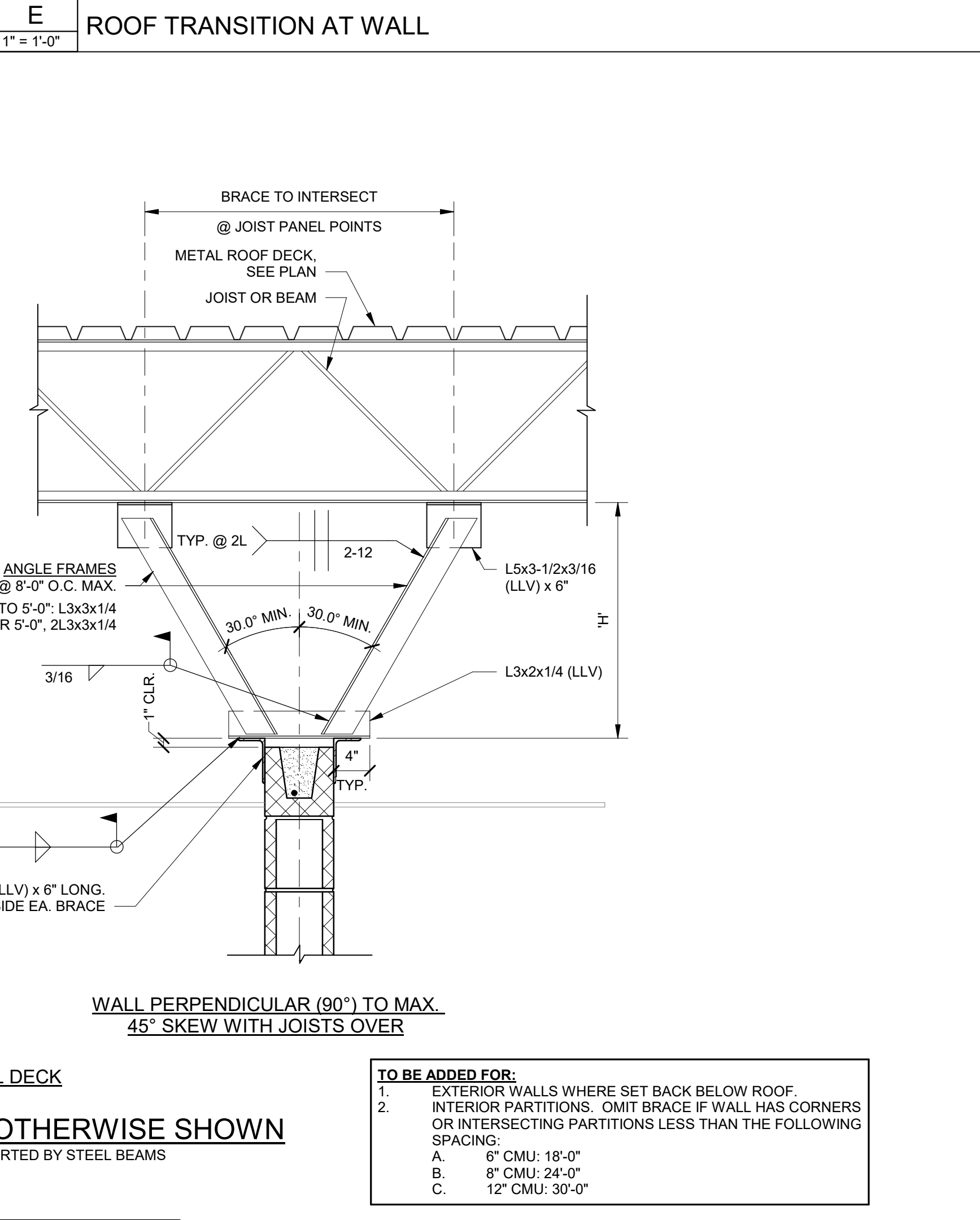
H TYPICAL BRICK LINTELS
 1" = 1'-0"



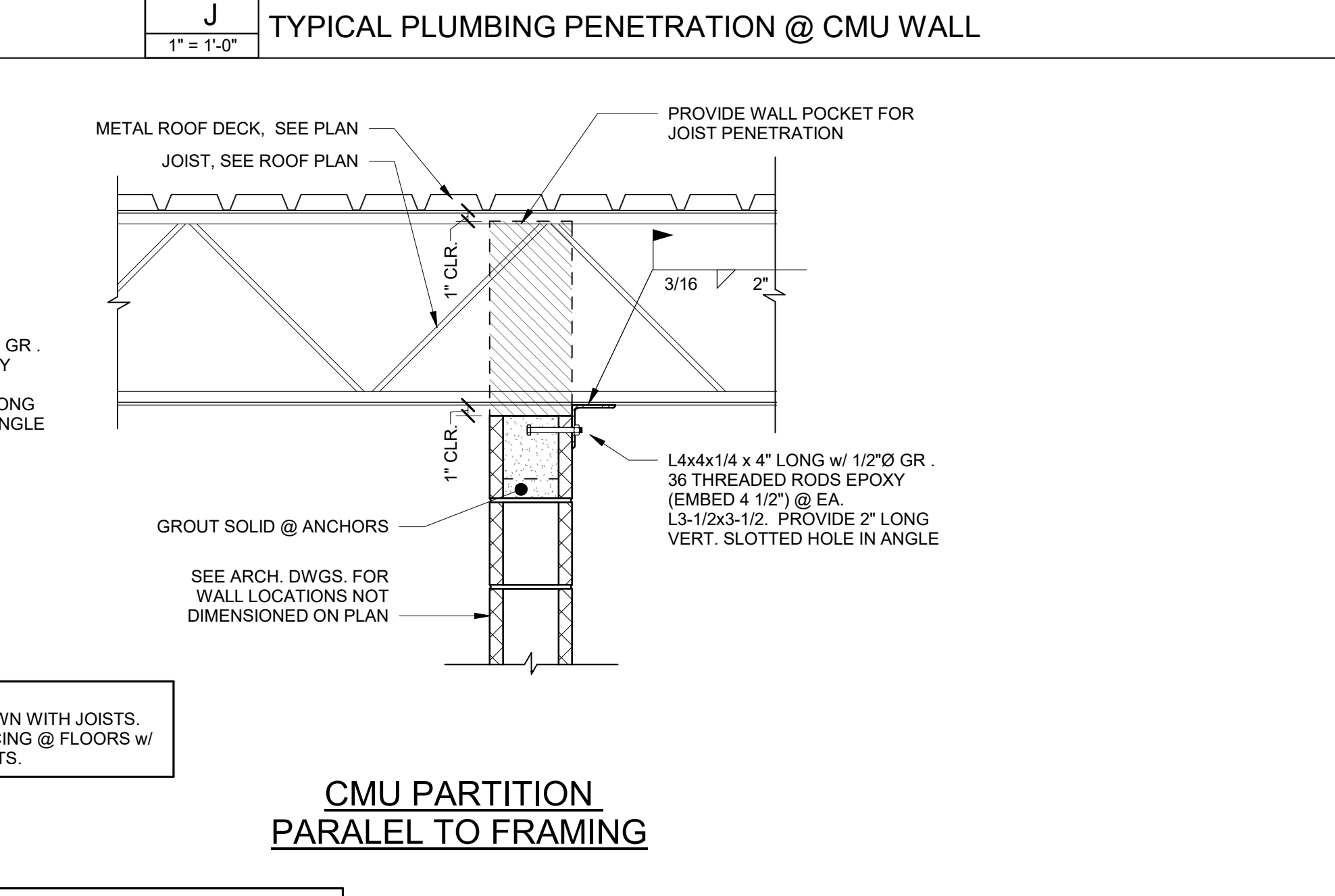
J TYPICAL PLUMBING PENETRATION @ CMU WALL
 1" = 1'-0"



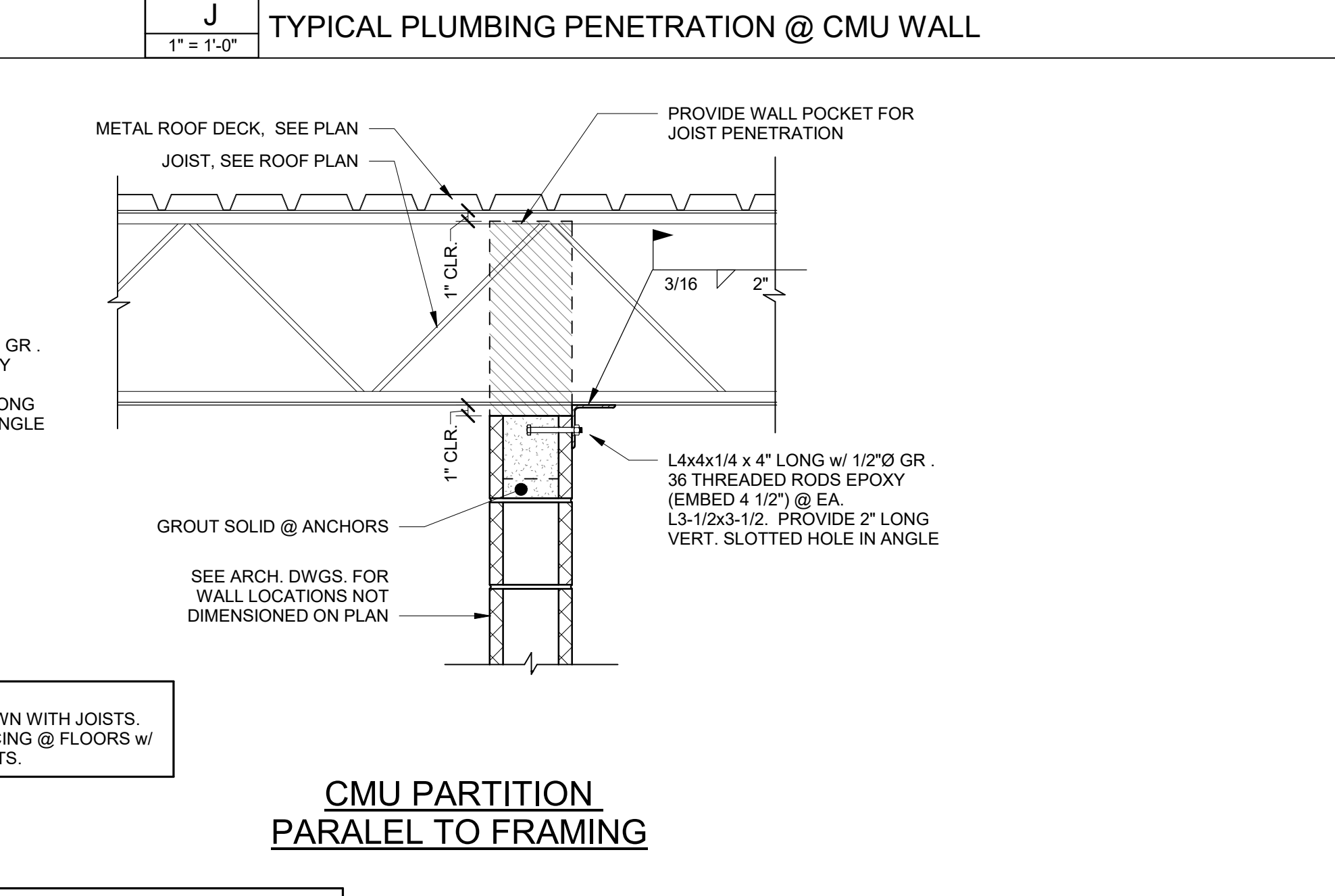
K TYPICAL TOP OF CMU BRACING DETAIL - PARTITION ENDS BELOW JOISTS
 1" = 1'-0"



L TYPICAL TOP OF CMU BRACING DETAIL - PARTITION ENDS BETWEEN JOISTS
 1" = 1'-0"

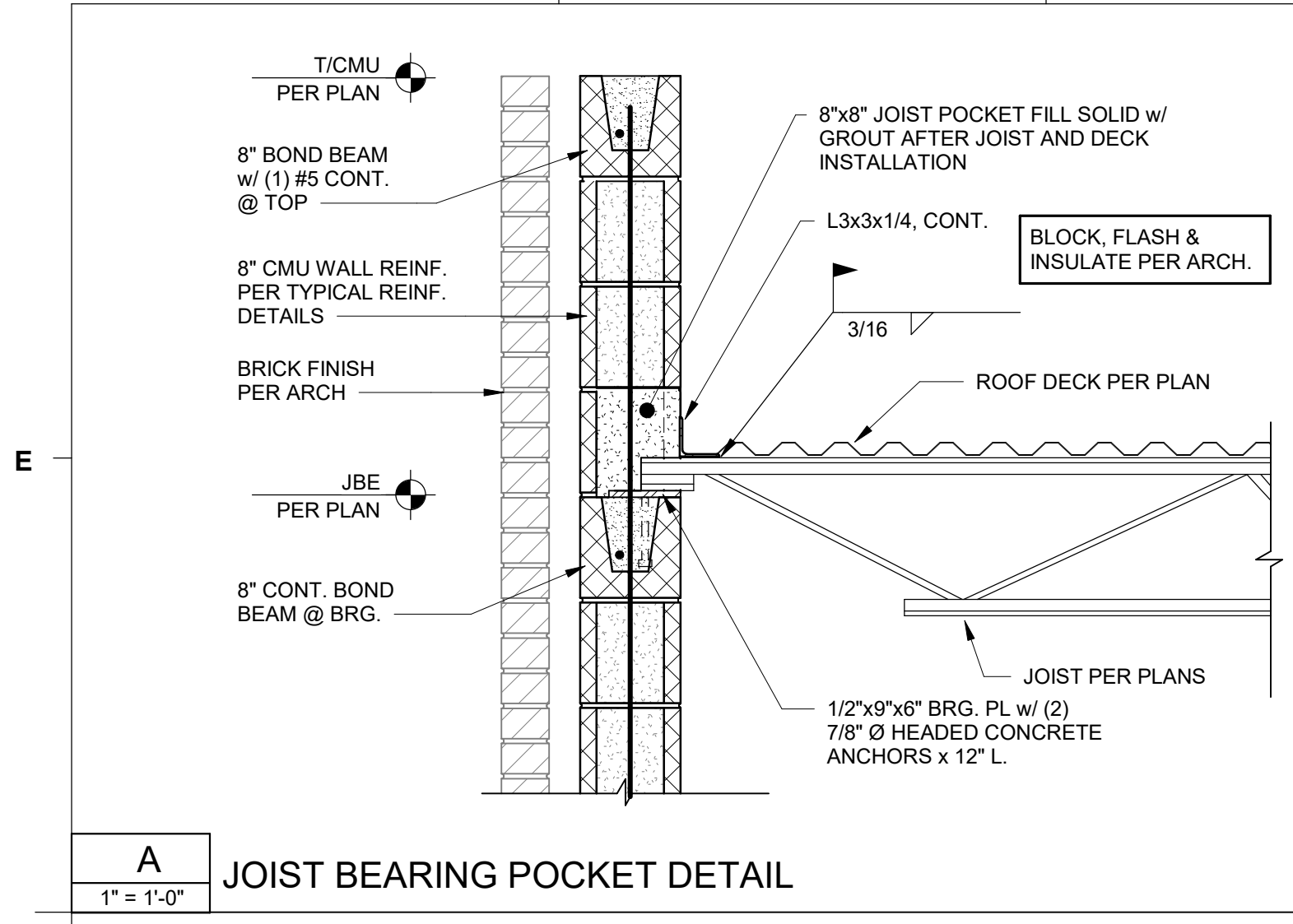


I CMU PARTITION PERPENDICULAR TO FRAMING
 1" = 1'-0"

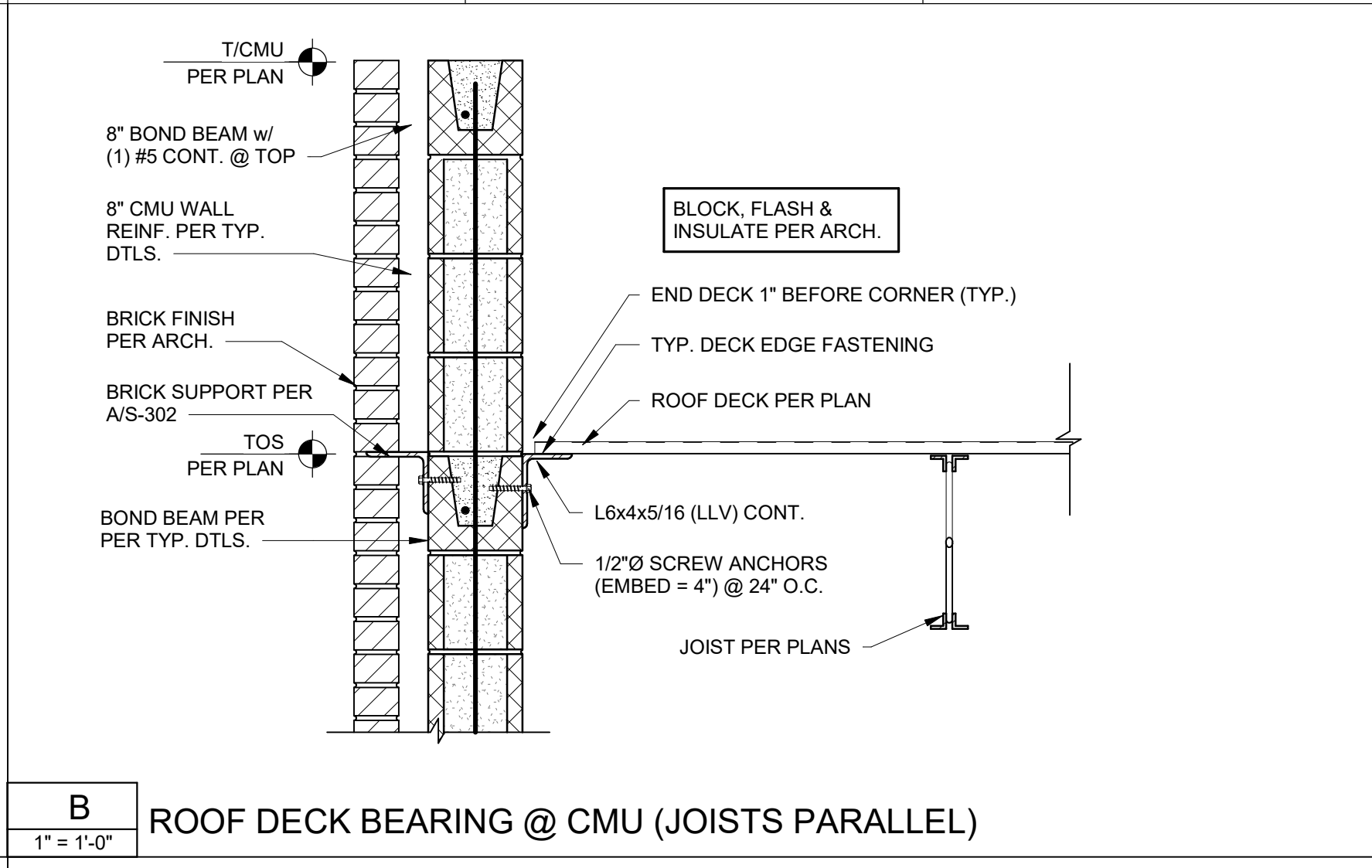


J CMU PARTITION PARALLEL TO FRAMING
 1" = 1'-0"

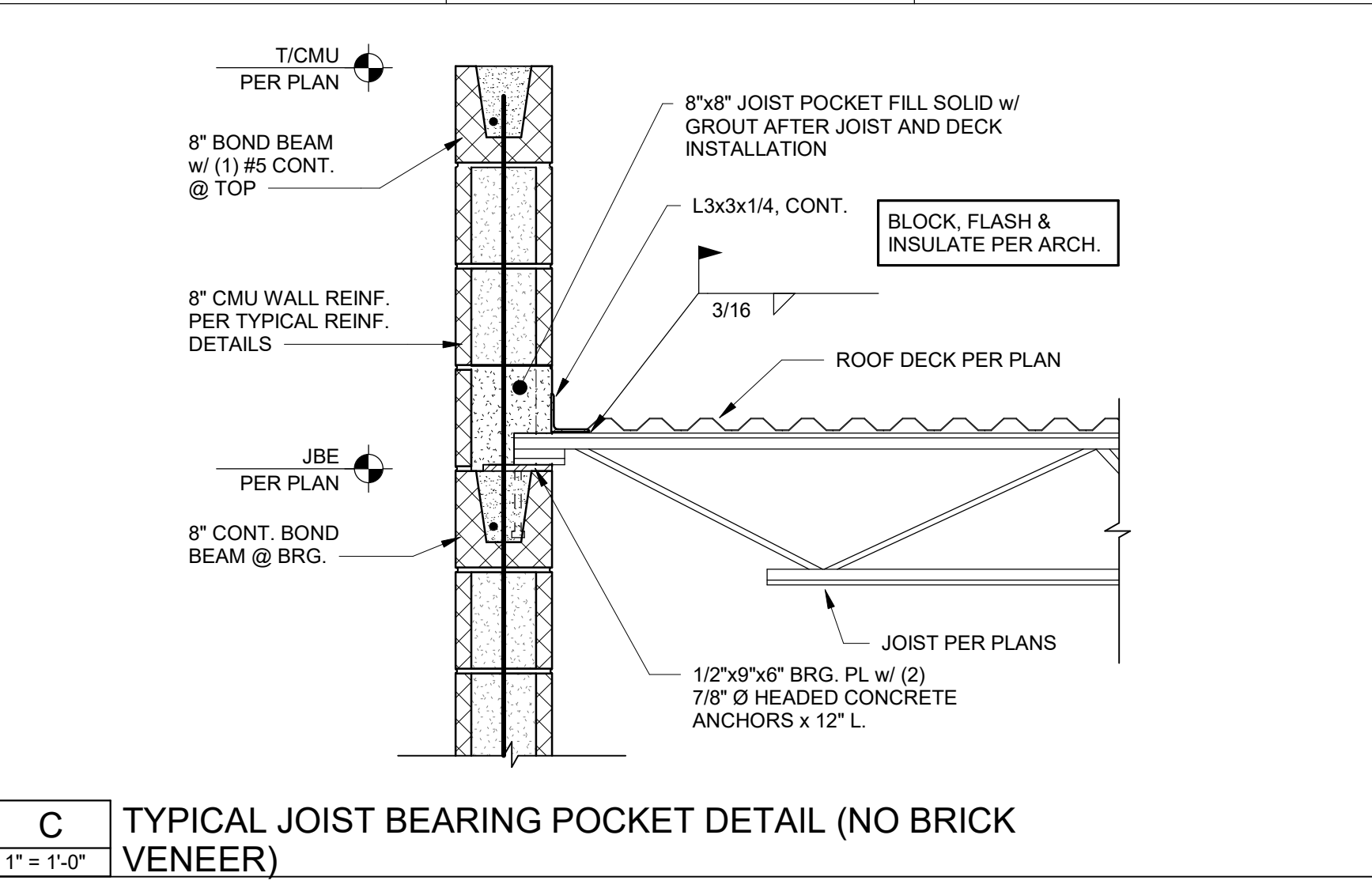
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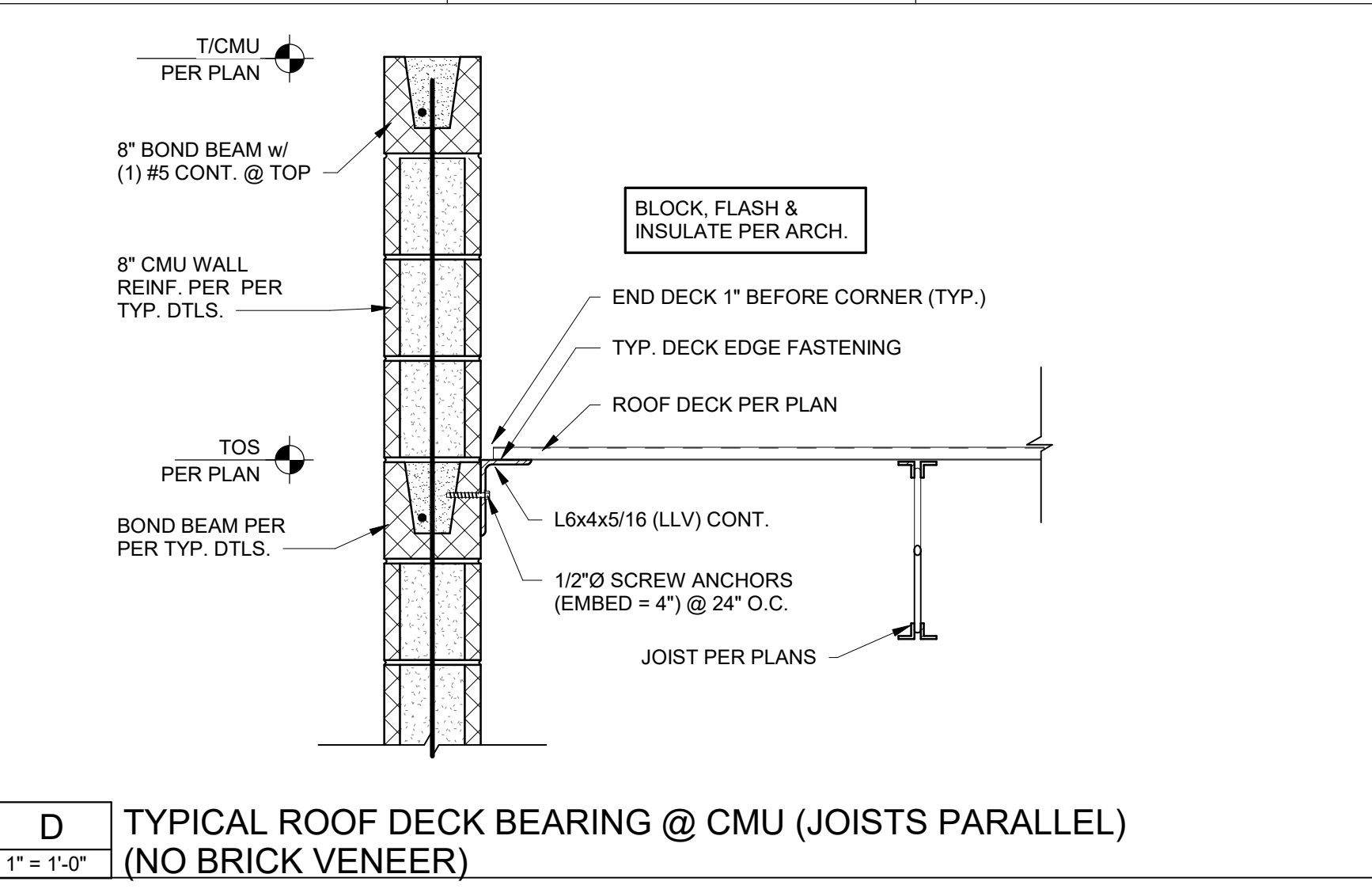
A JOIST BEARING POCKET DETAIL
 1" = 1'-0"



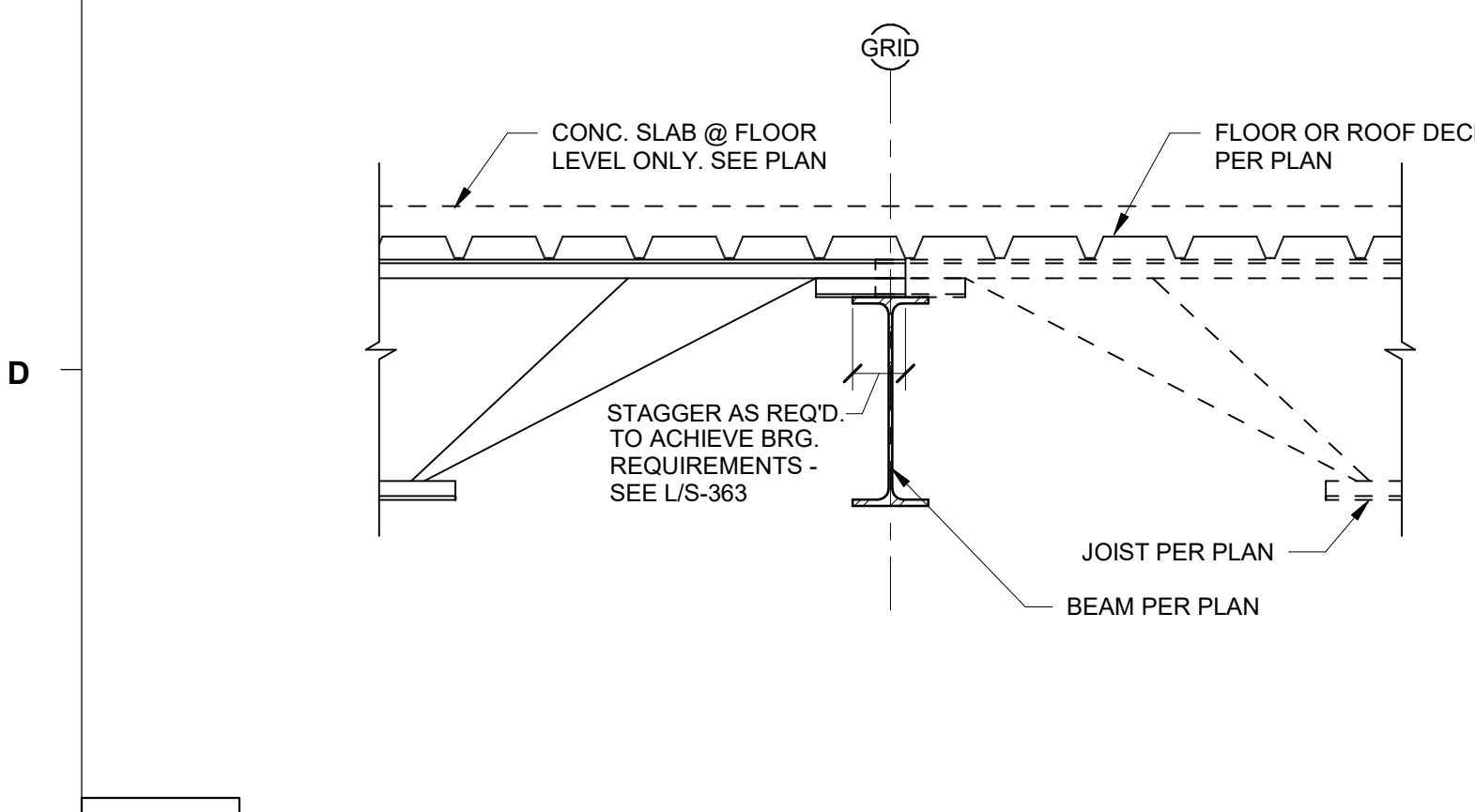
B ROOF DECK BEARING @ CMU (JOISTS PARALLEL)
 1" = 1'-0"



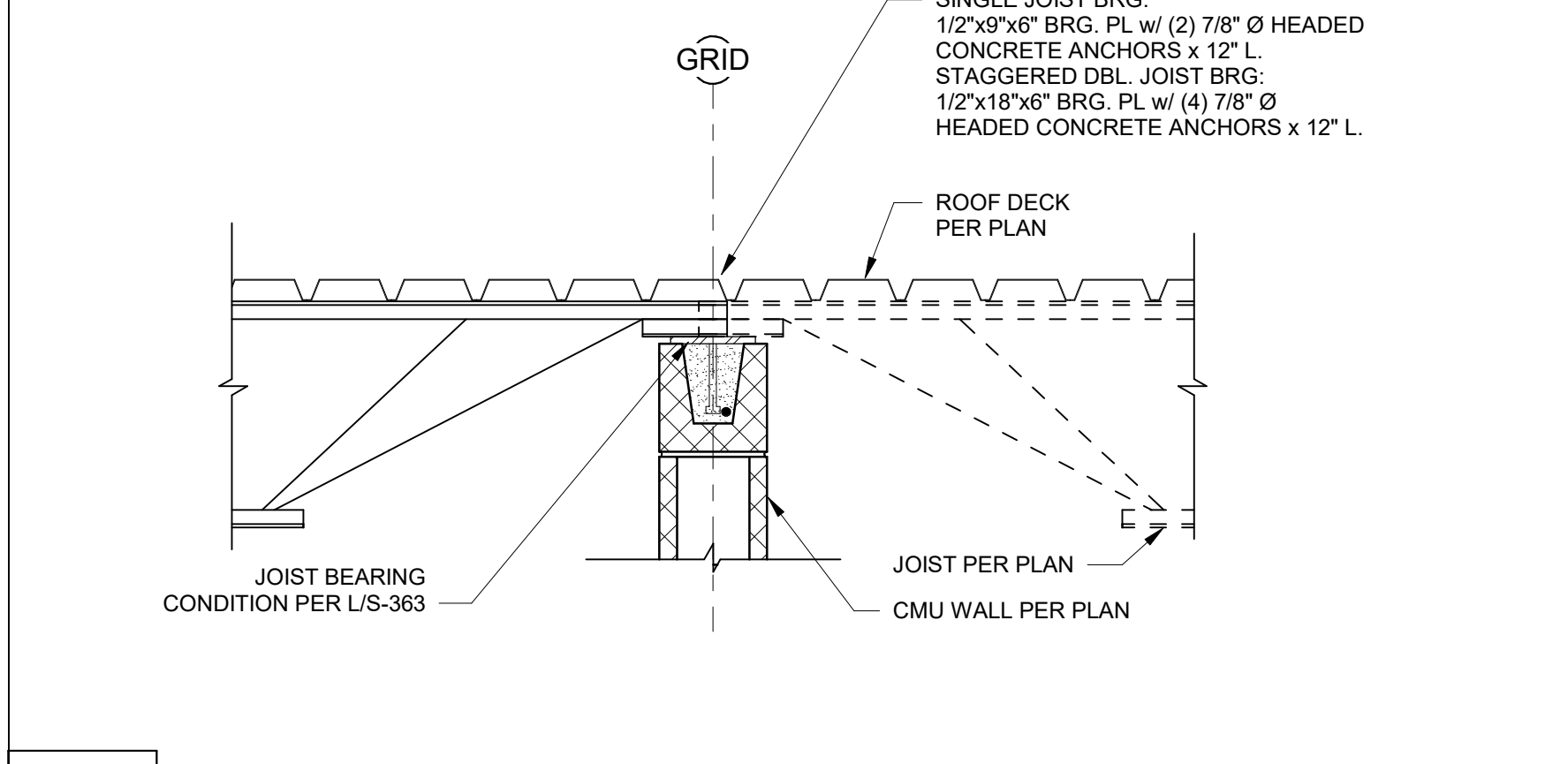
C TYPICAL JOIST BEARING POCKET DETAIL (NO BRICK VENEER)
 1" = 1'-0"



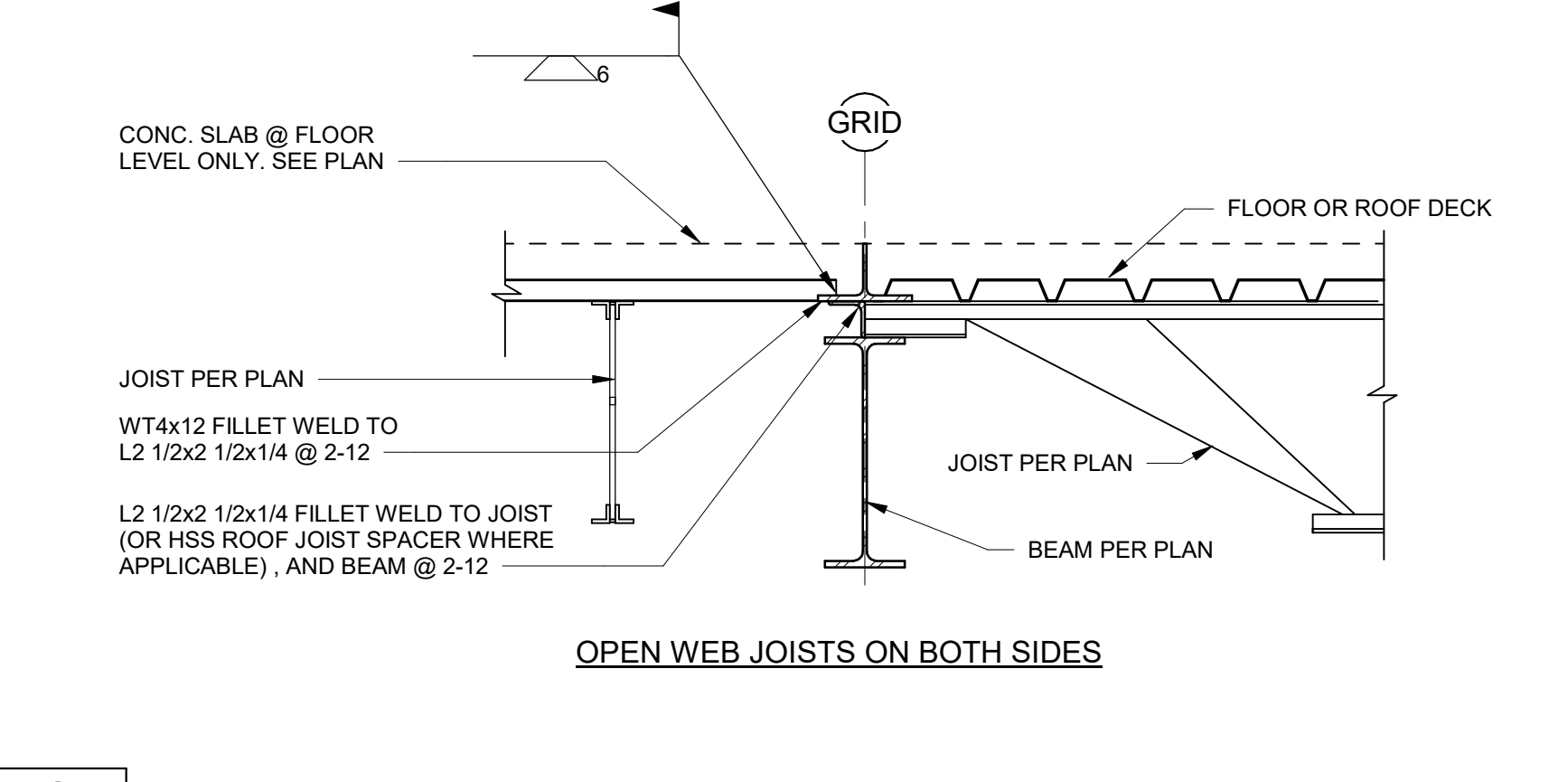
D TYPICAL ROOF DECK BEARING @ CMU (JOISTS PARALLEL) (NO BRICK VENEER)
 1" = 1'-0"



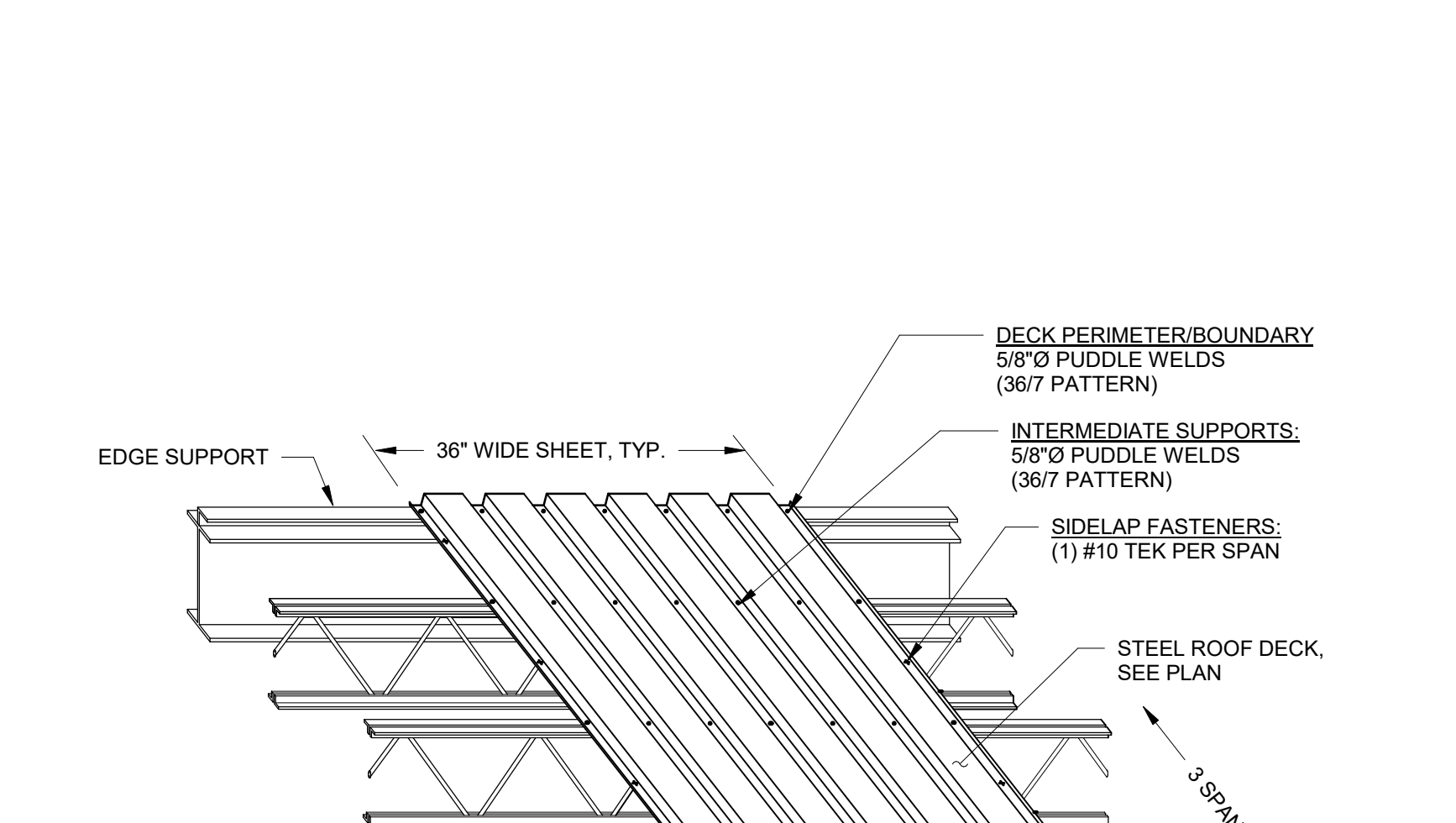
E FLOOR & ROOF JOISTS BEARING @ INTERIOR STEEL BEAM
 1" = 1'-0"



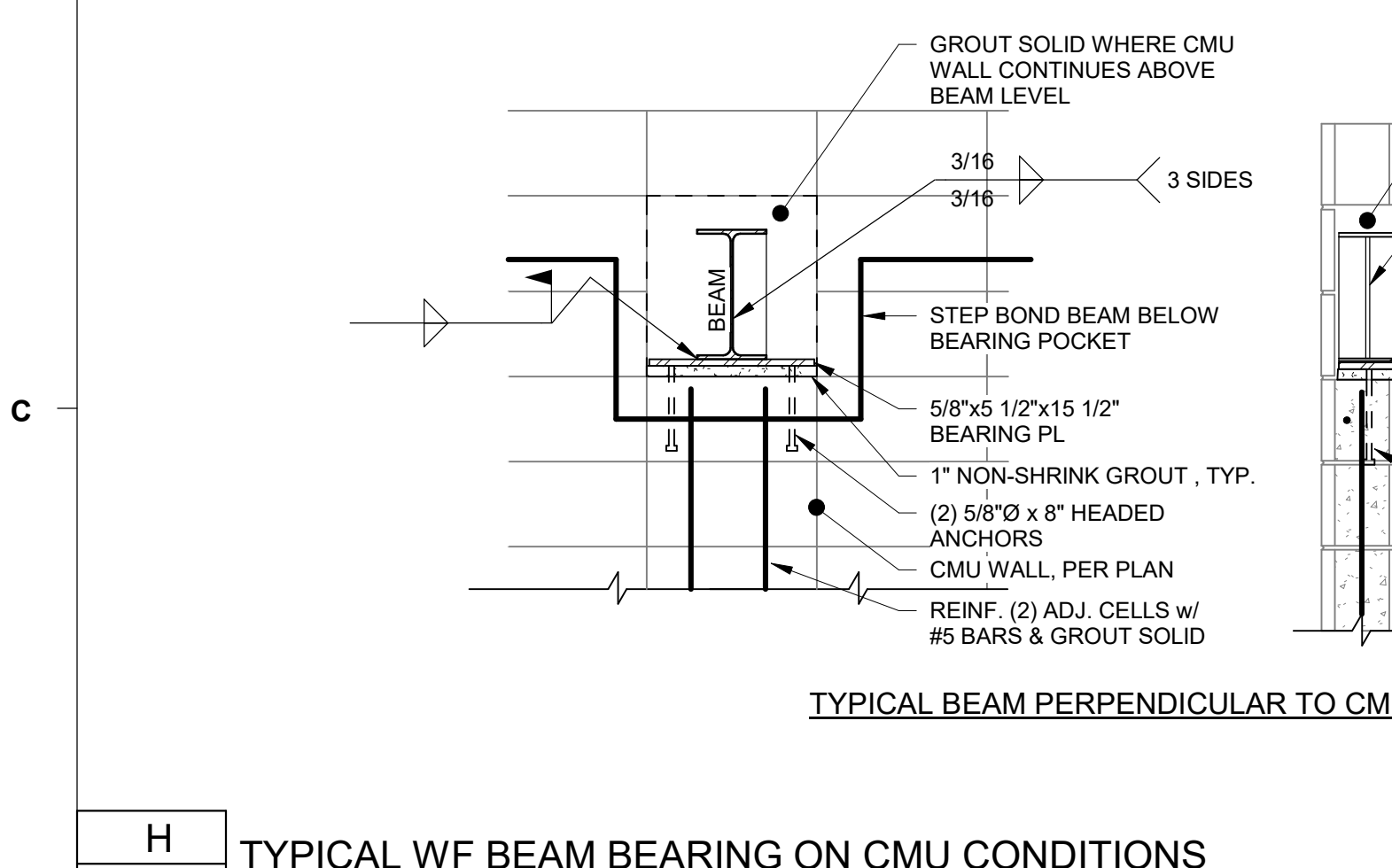
F ROOF JOISTS BEARING @ T/CMU
 1" = 1'-0"



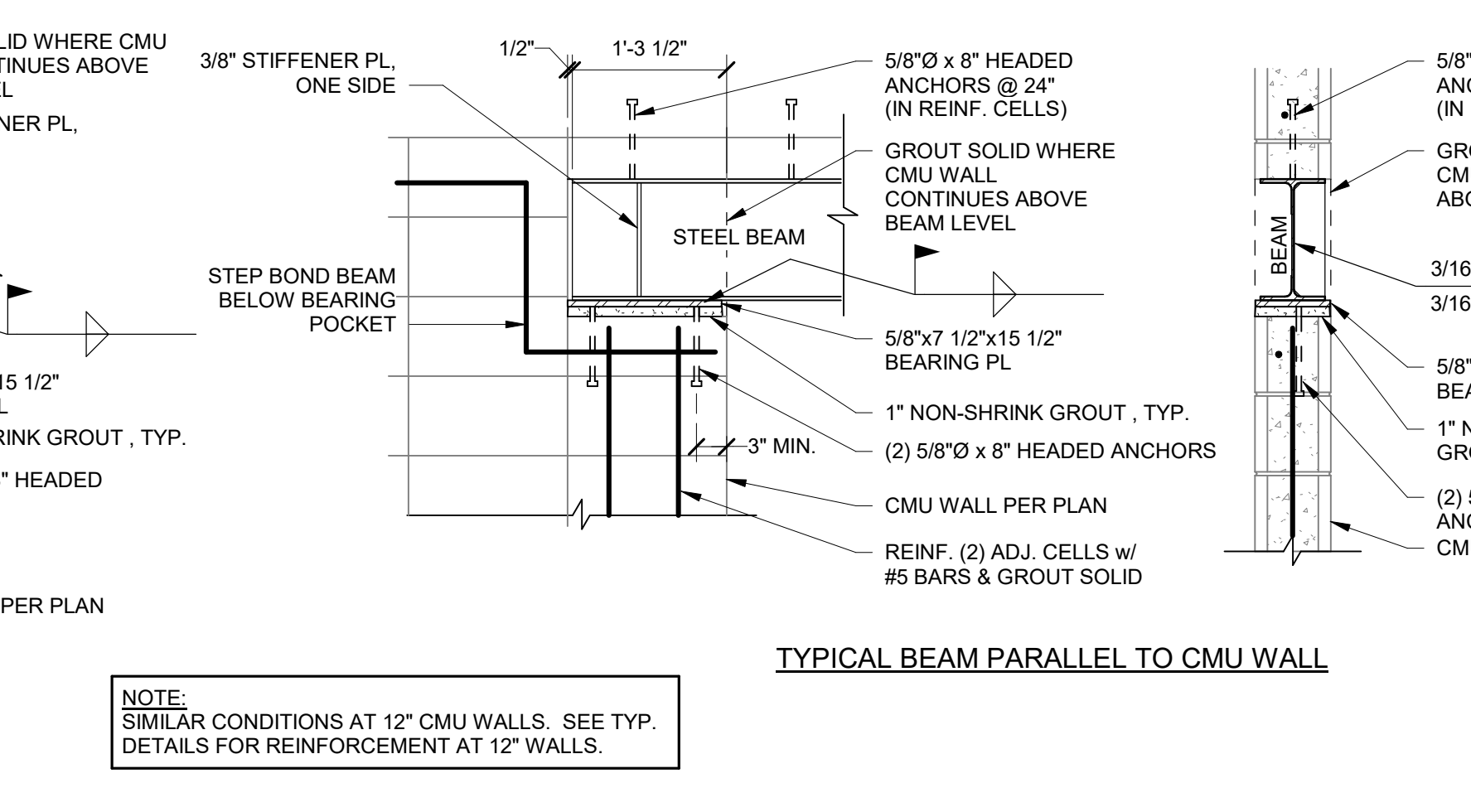
G TYPICAL CHANGE IN DECK DIRECTION OVER WF BEAMS
 1" = 1'-0"



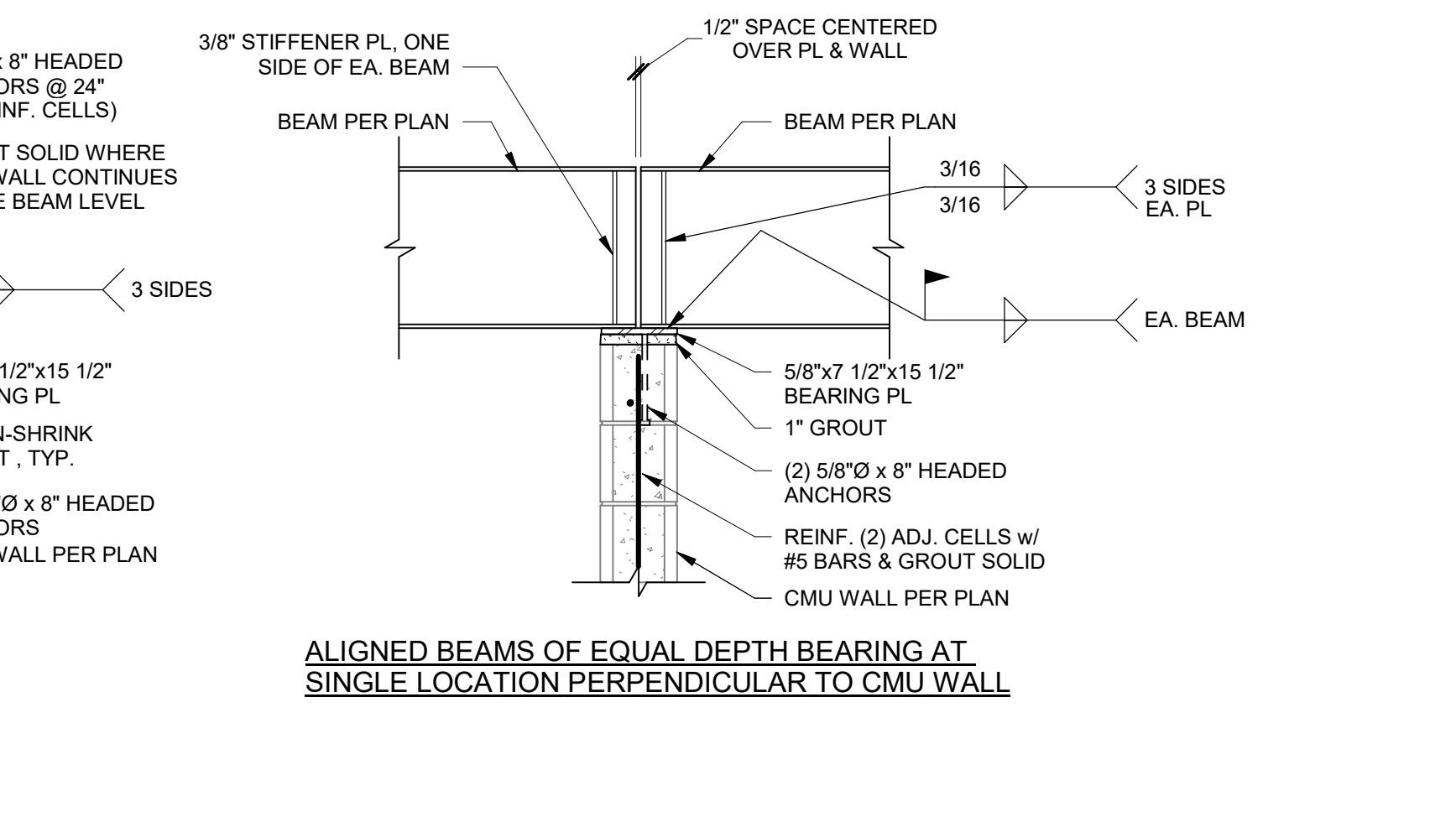
J TYPICAL ROOF DECK ATTACHMENT DETAIL
 3/4" = 1'-0"



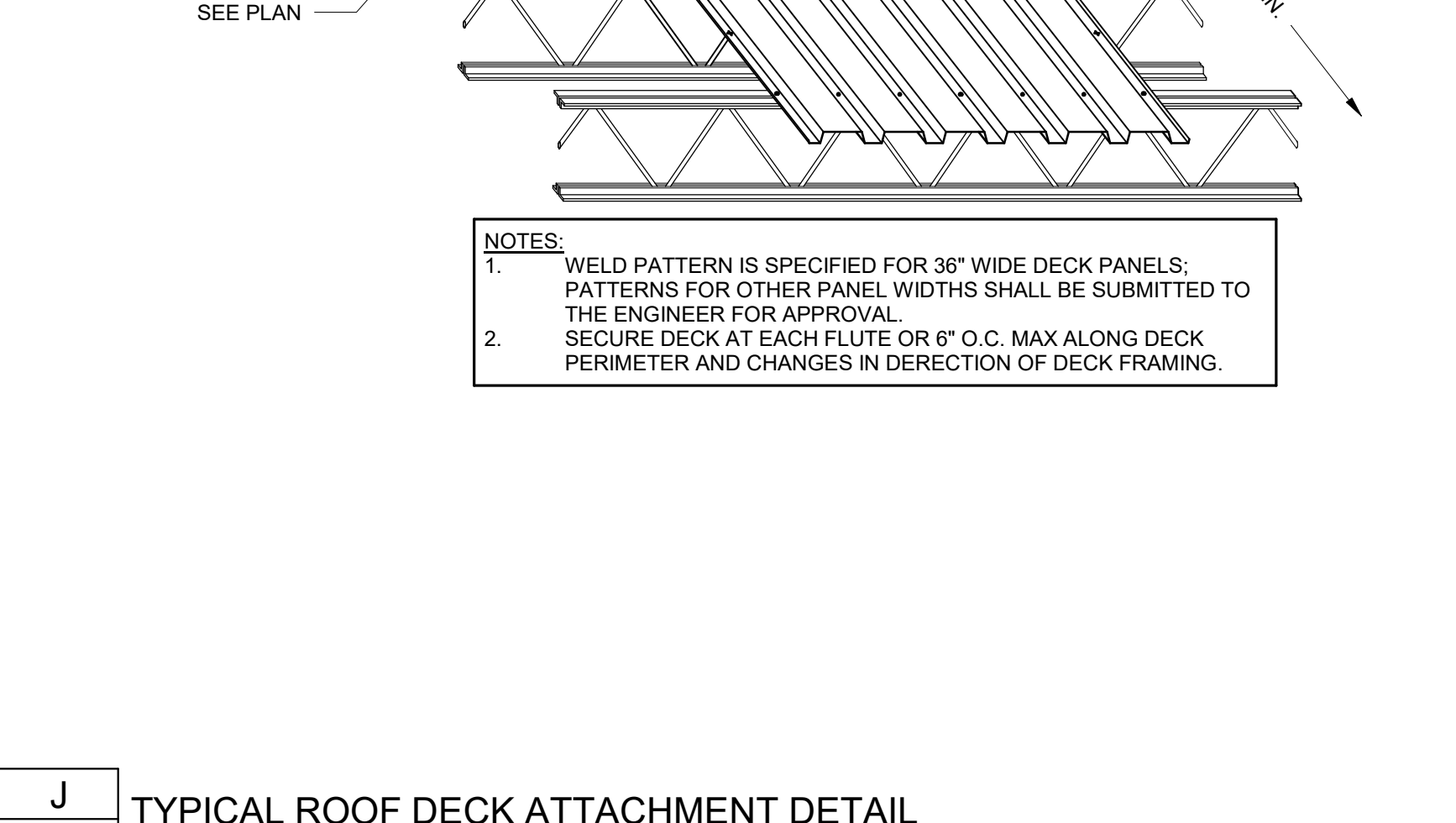
H TYPICAL WF BEAM BEARING ON CMU CONDITIONS
 3/4" = 1'-0"



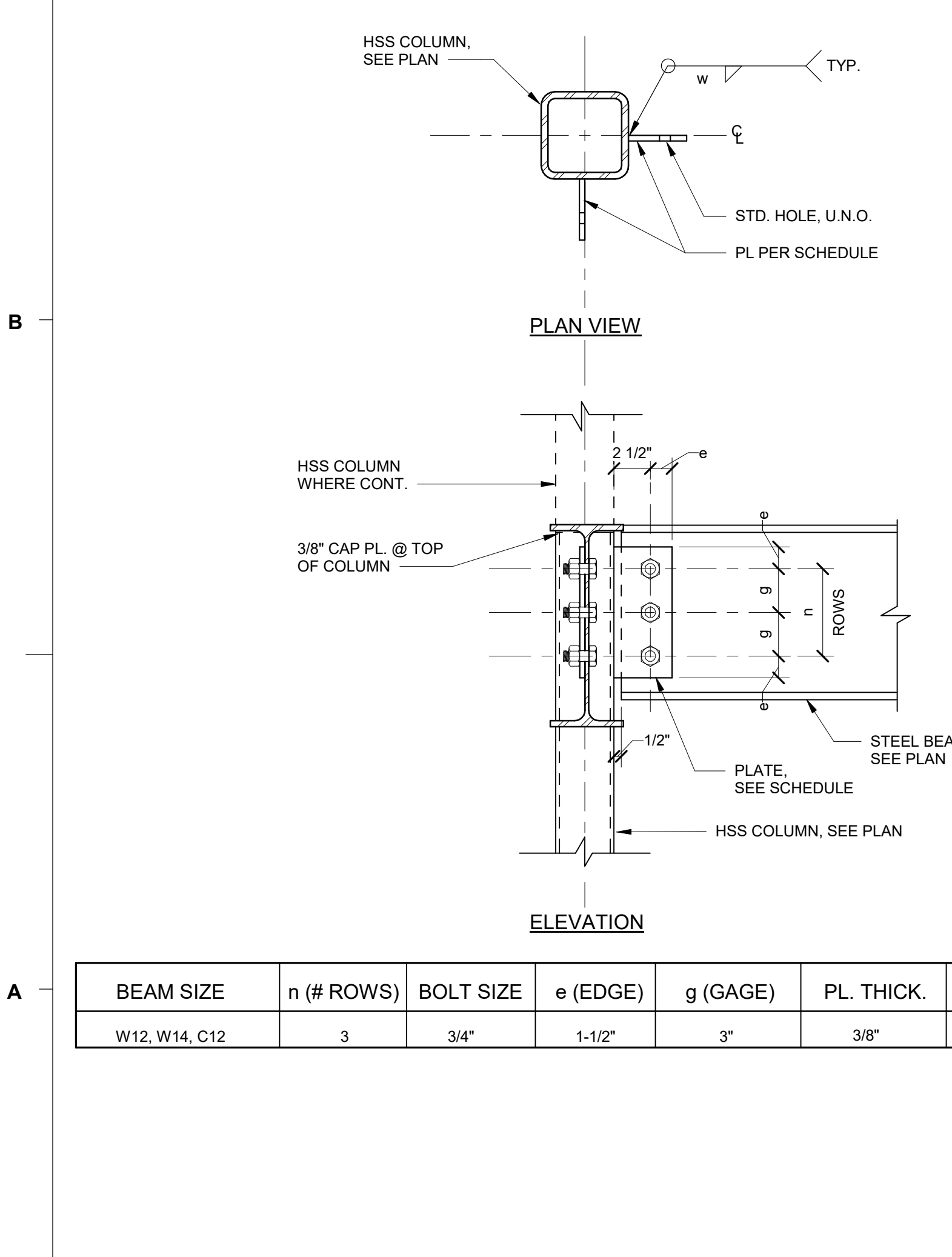
I TYPICAL BEAM PARALLEL TO CMU WALL
 1/2" = 1'-0"



K TYPICAL WF BEAM BEARING ON CMU CONDITIONS
 1/2" = 1'-0"

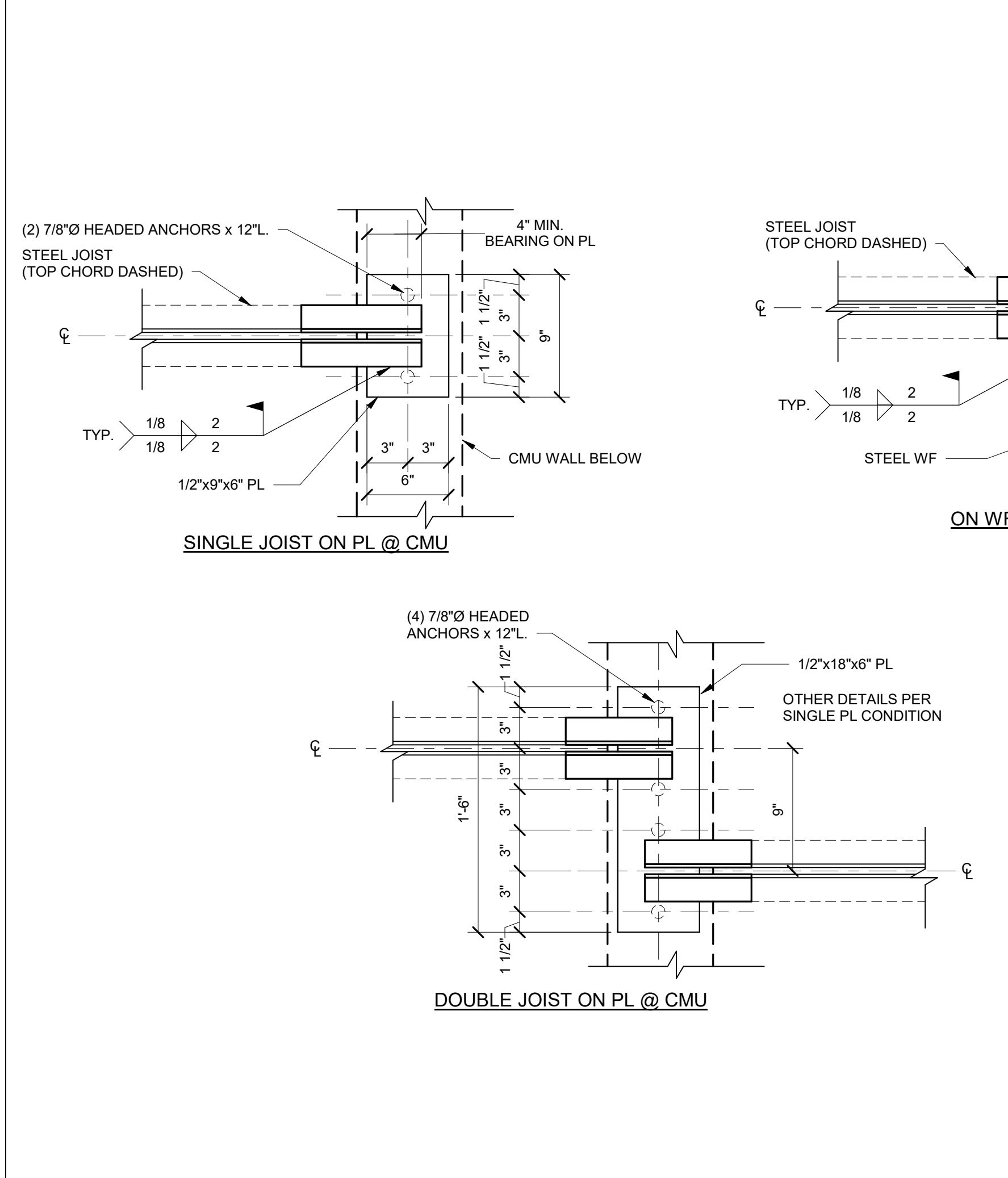


L TYPICAL OPEN WEB JOIST BEARING DETAIL
 1 1/2" = 1'-0"

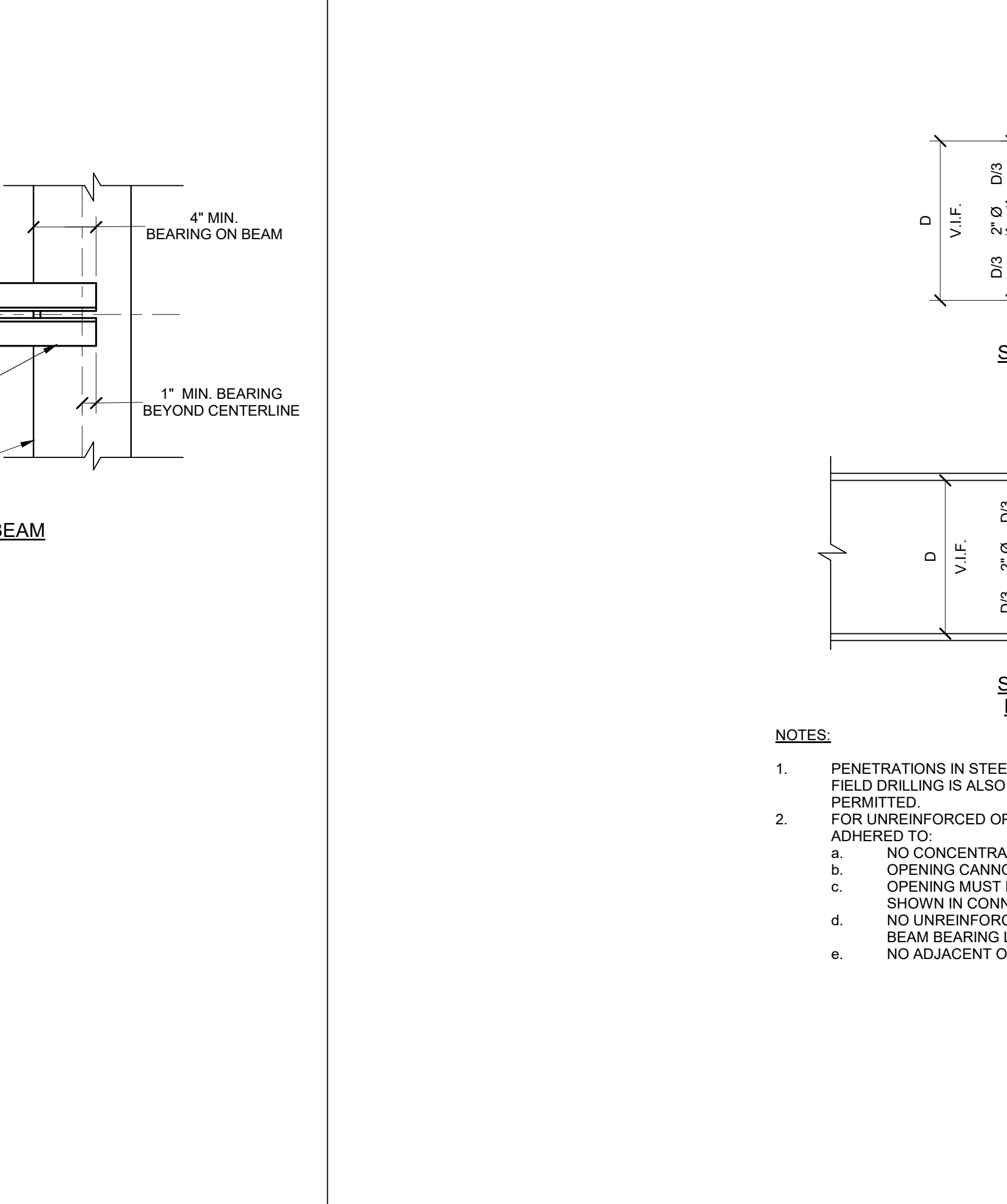


K TYPICAL BEAM TO HSS COLUMN SHEAR CONNECTION
 1 1/2" = 1'-0"

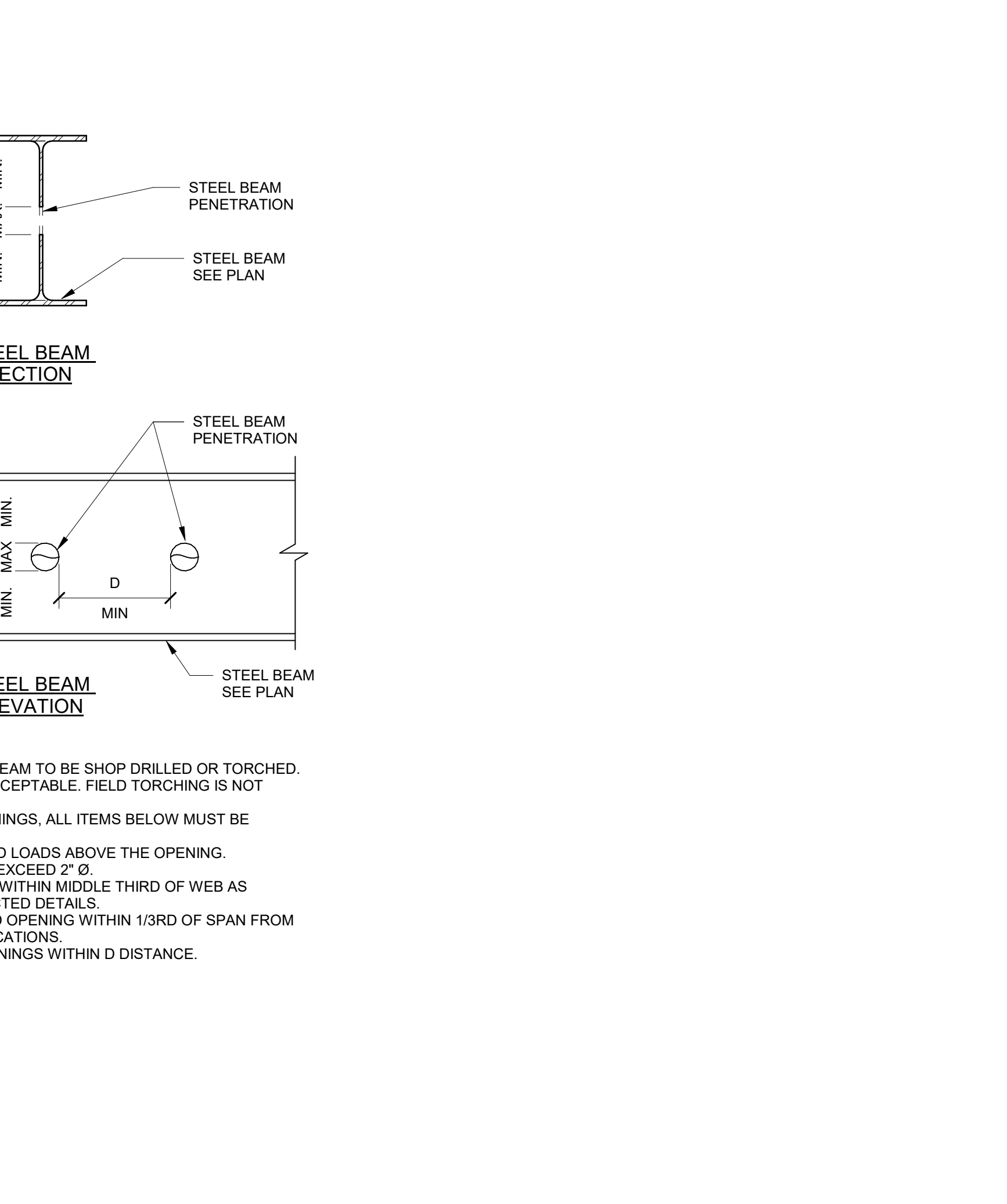
BEAM SIZE	n (# ROWS)	BOLT SIZE	e (EDGE)	g (GAGE)	PL THICK.	w (WELD)
W12, W14, C12	3	3/4"	1-1/2"	3"	3/8"	1/4"



L TYPICAL OPEN WEB JOIST BEARING DETAIL
 1 1/2" = 1'-0"



M TYPICAL WF BEAM PENETRATIONS
 1 1/2" = 1'-0"



N TYPICAL WF BEAM PENETRATIONS
 1 1/2" = 1'-0"

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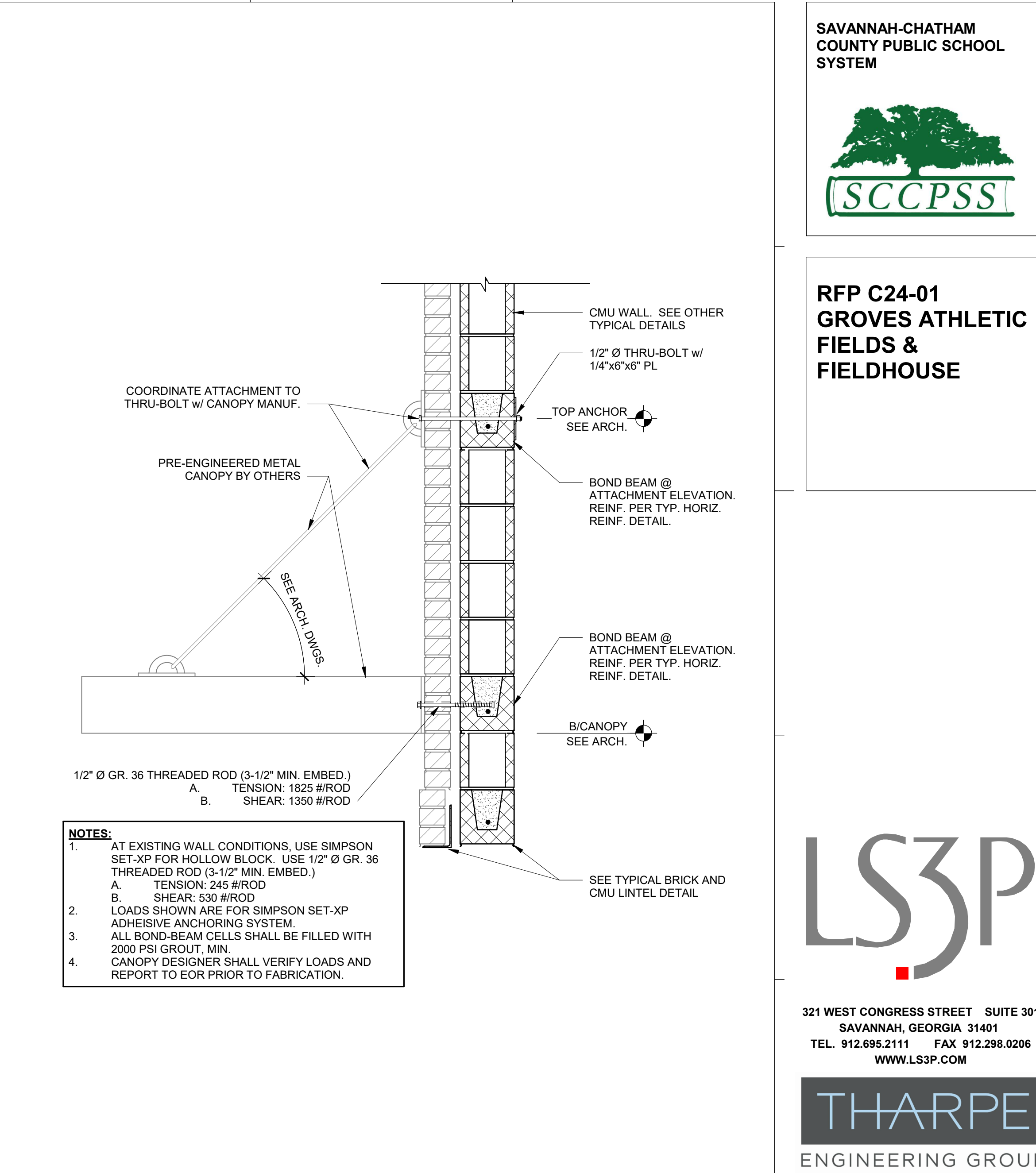
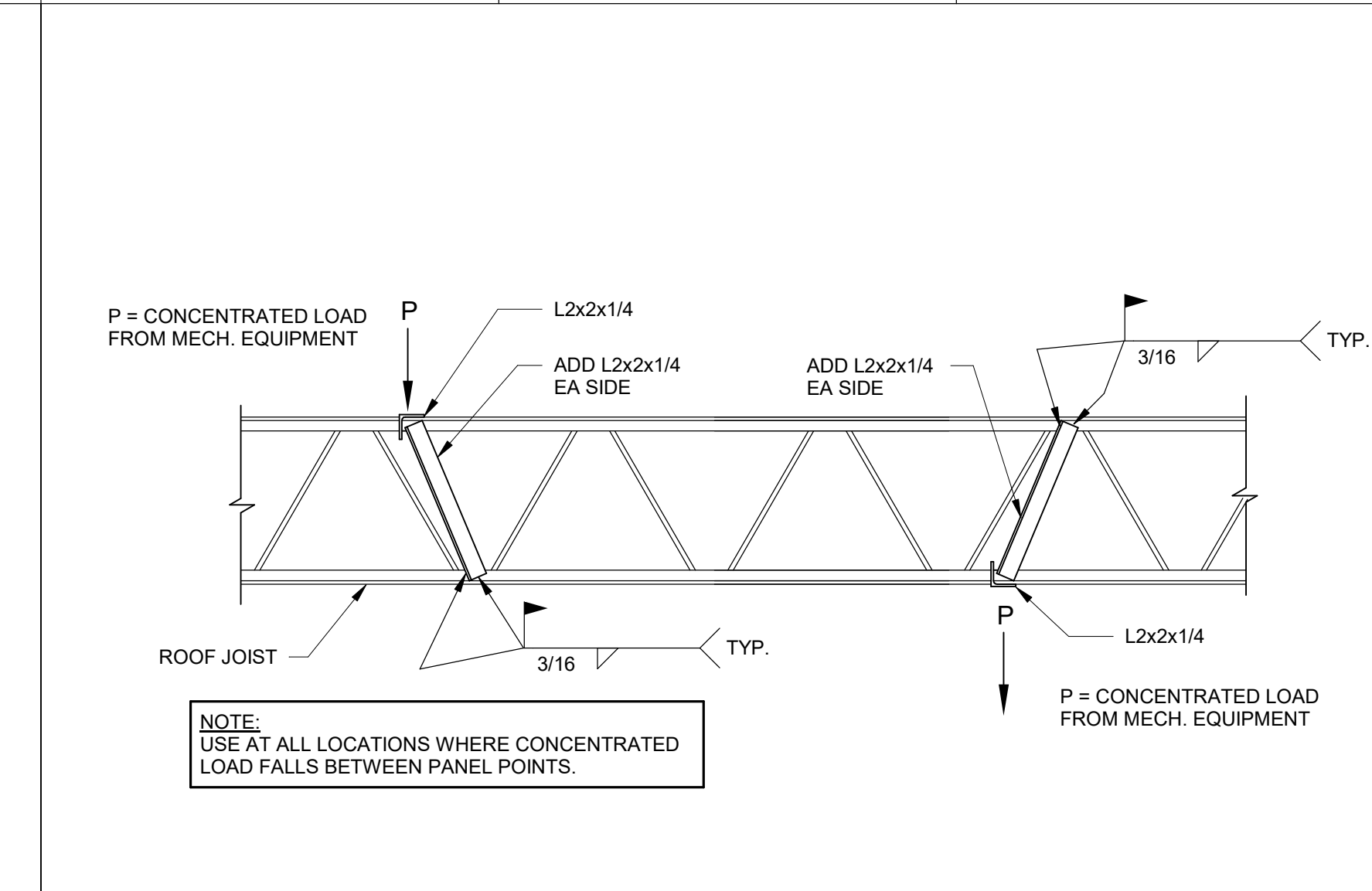
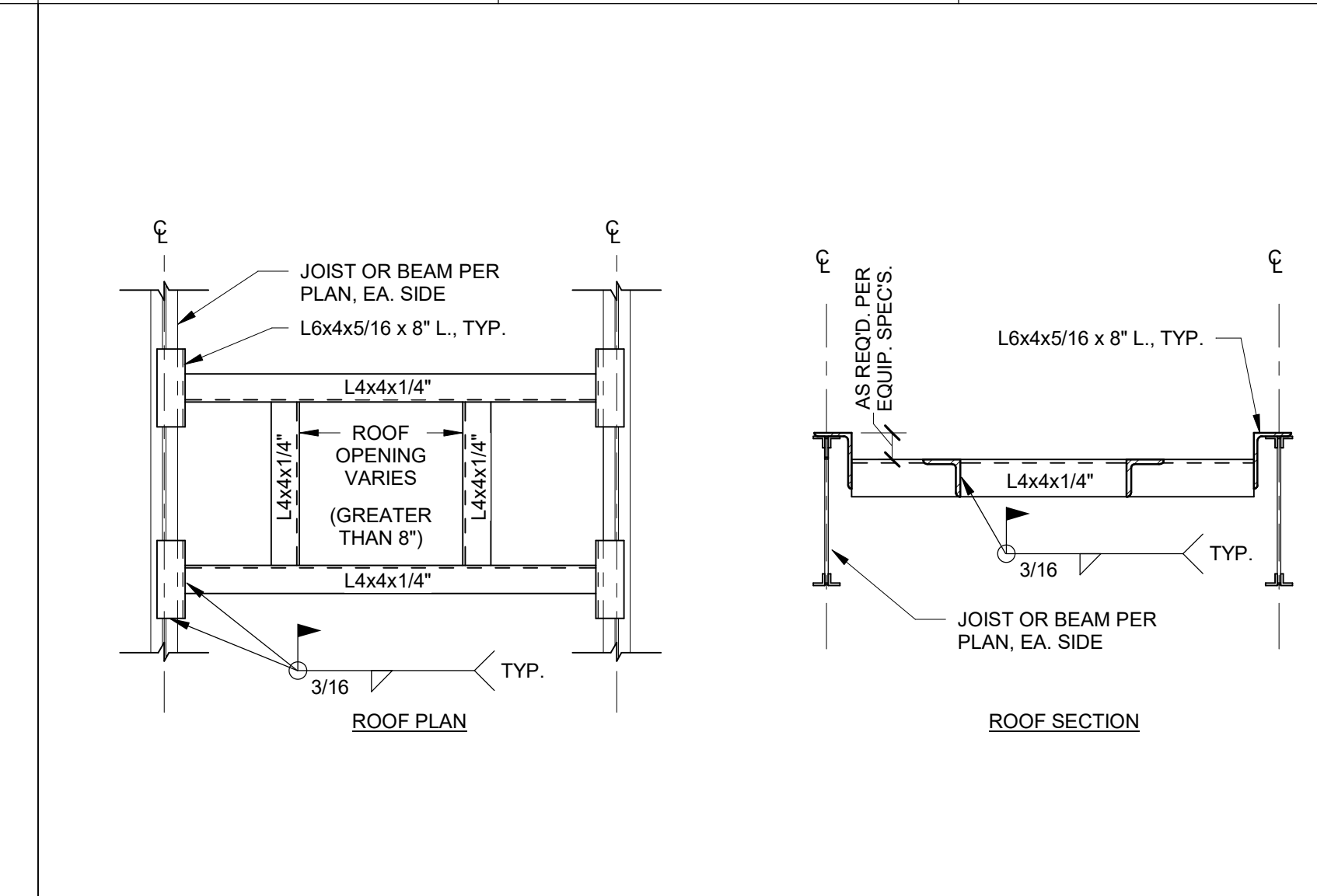
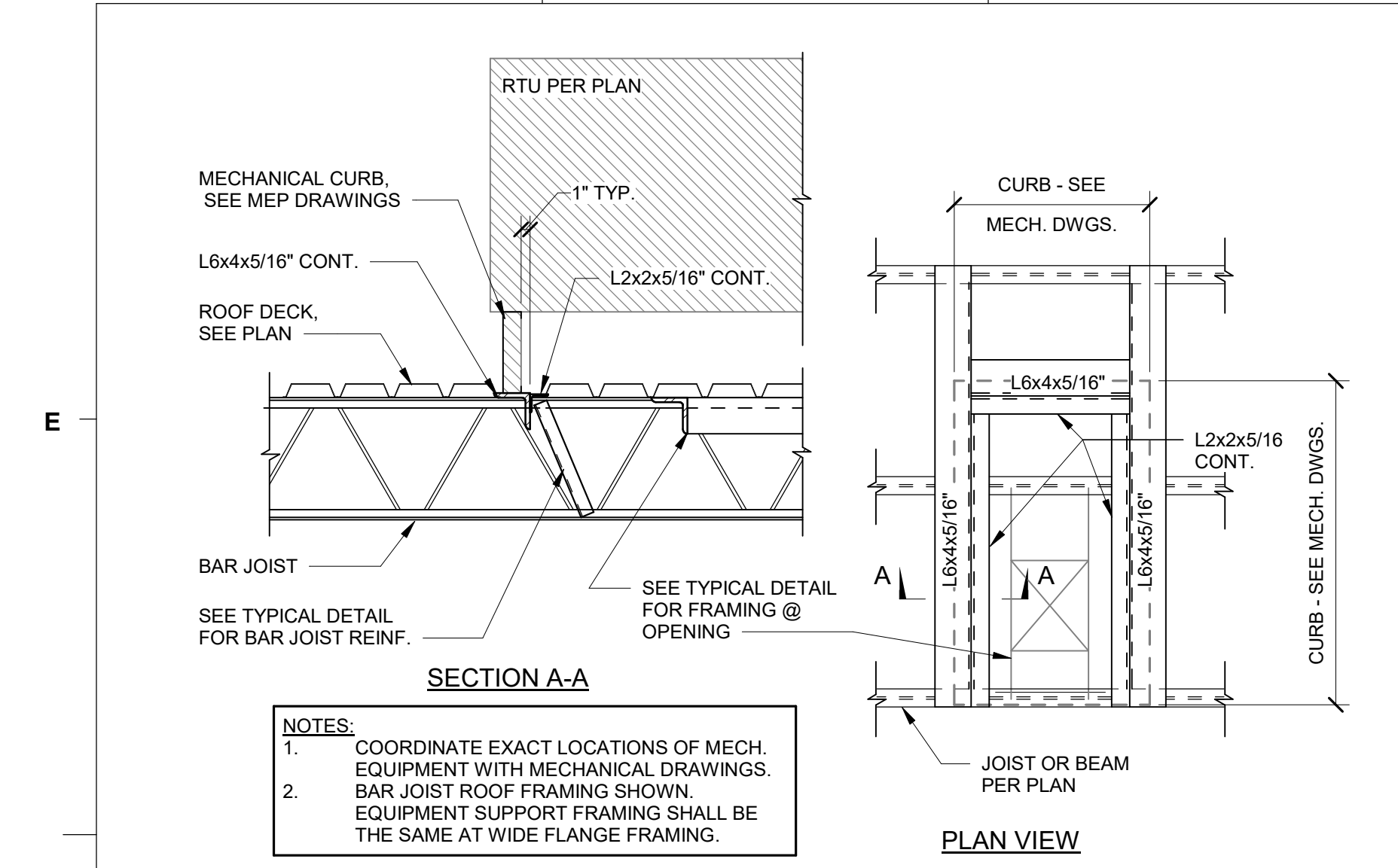
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No.	Description	Date

PROJECT: 5201-192070
DATE: 05/12/2023
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CHECKED BY: SJP

MASONRY & FRAMING DETAILS

S-404

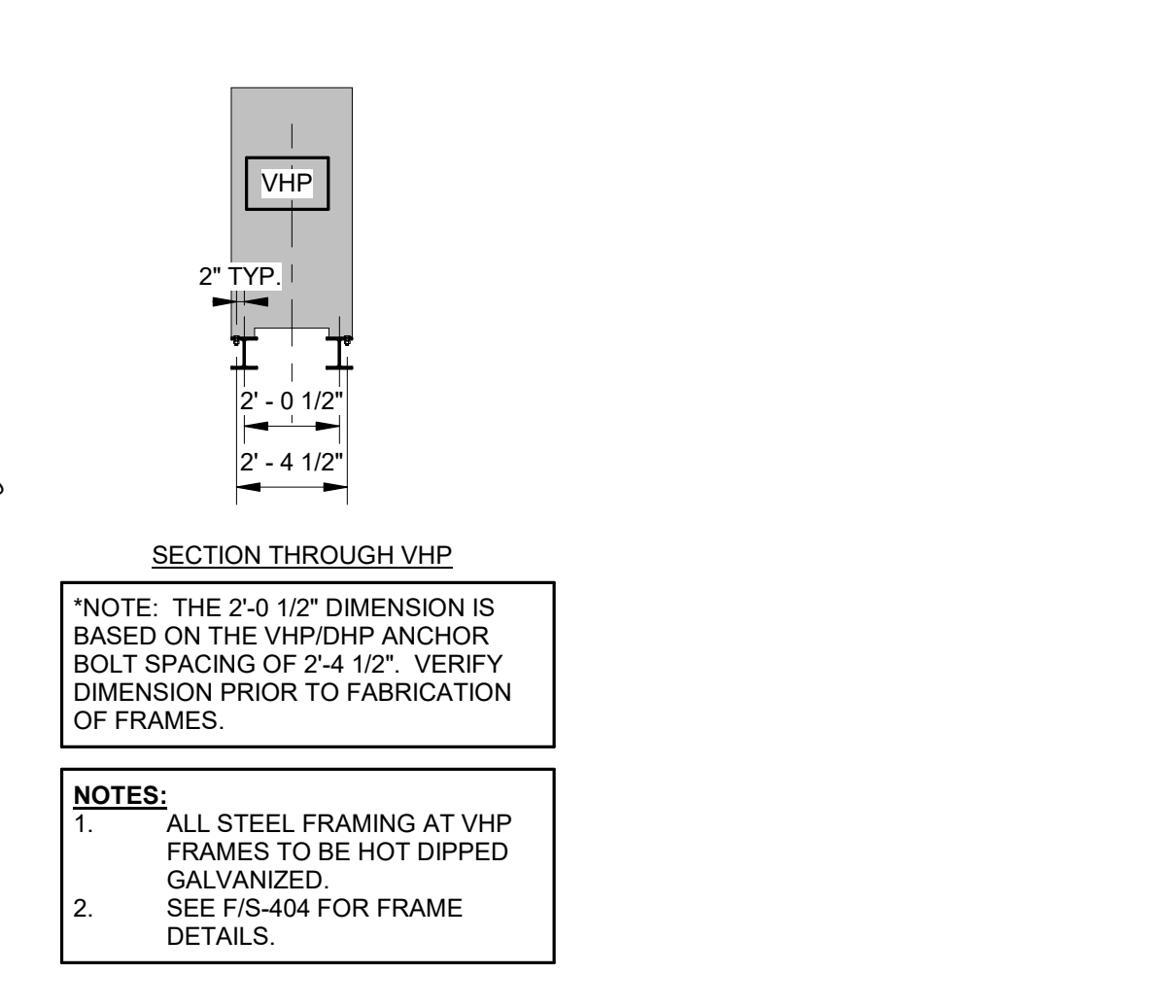
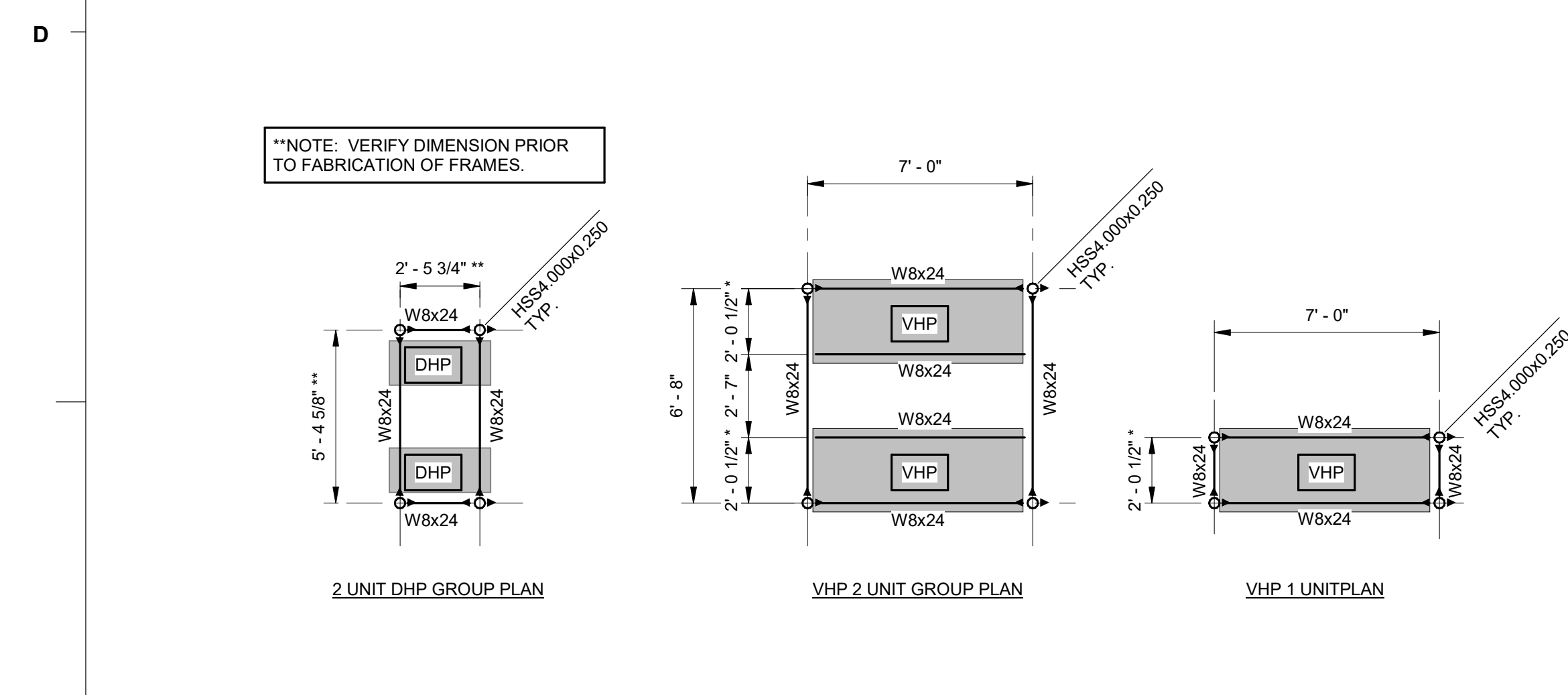


A TYPICAL SUPPORT @ ROOFTOP EQUIPMENT CURB
3/4" = 1'-0"

B TYPICAL FRAMED ROOF DECK OPENING DETAILS
3/4" = 1'-0"

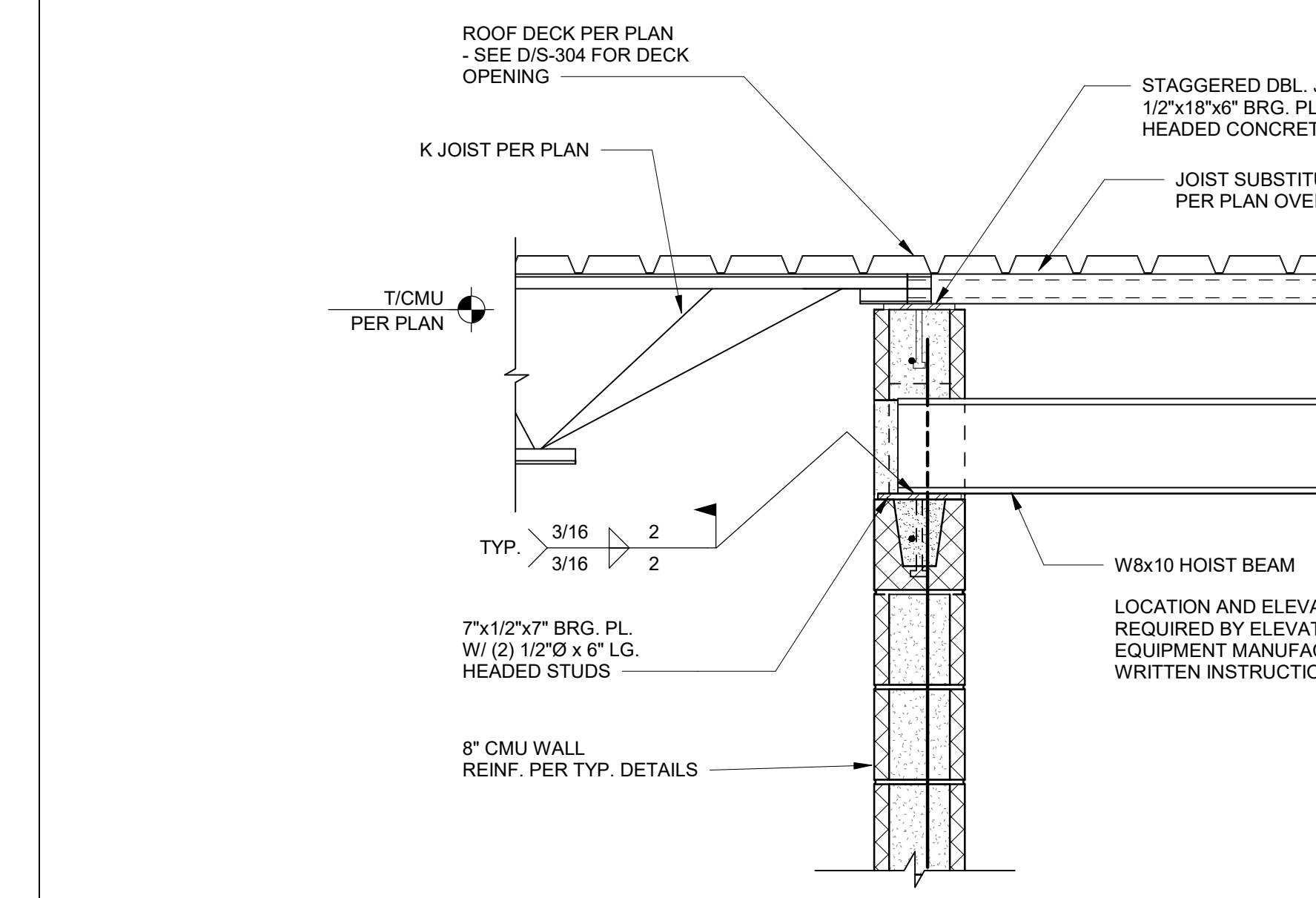
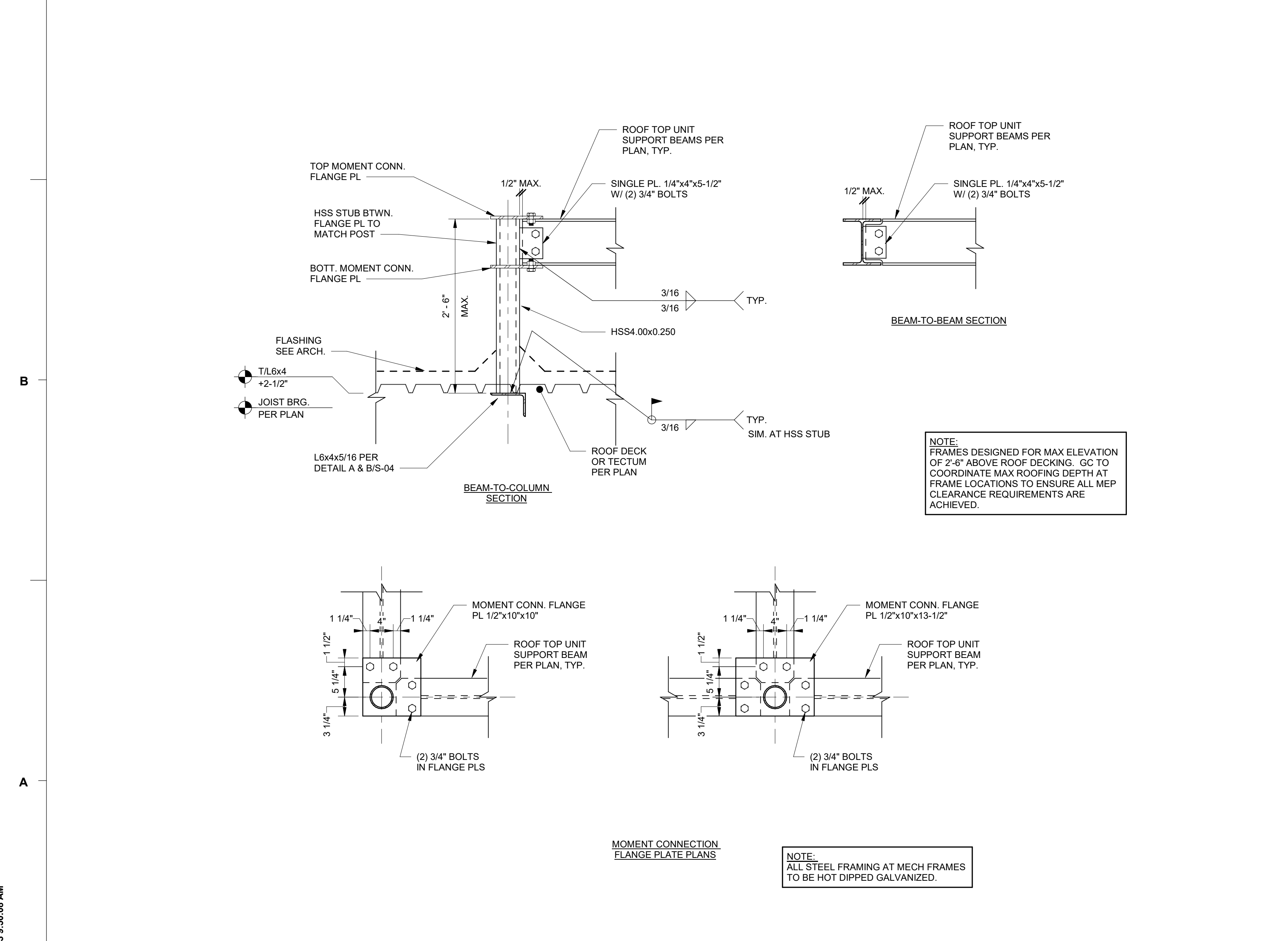
C CONCENTRATED LOAD ON JOIST DETAIL
1" = 1'-0"

D TYPICAL CANOPY CONNECTION TO CMU
1" = 1'-0"



E RTU GROUP FRAME PLAN DETAILS
1/4" = 1'-0"

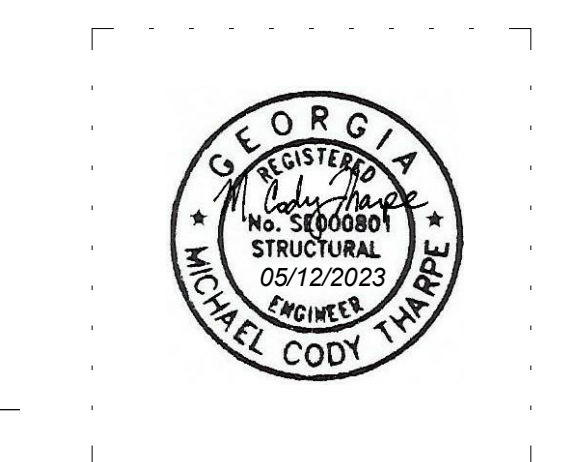
D TYPICAL CANOPY CONNECTION TO CMU
1" = 1'-0"



F RTU SUPPORT FRAME DETAIL
1" = 1'-0"

G CMU ELEVATOR SHAFT TOP & JOIST ROOF DETAIL
1" = 1'-0"

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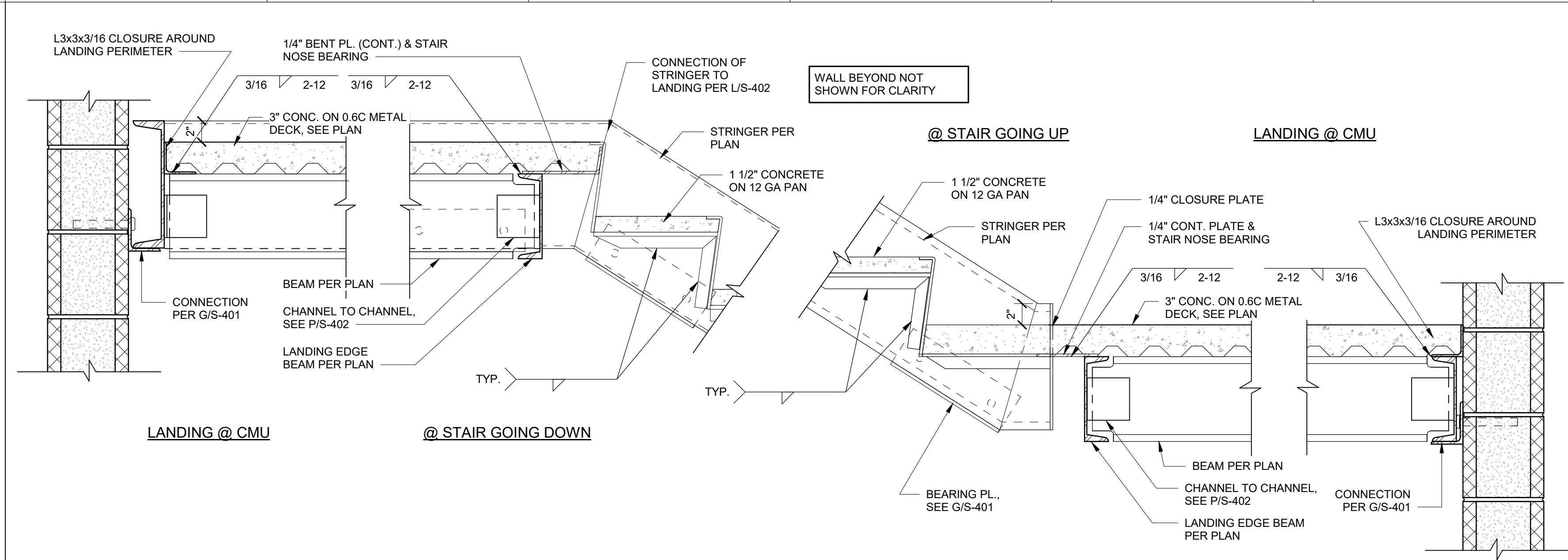


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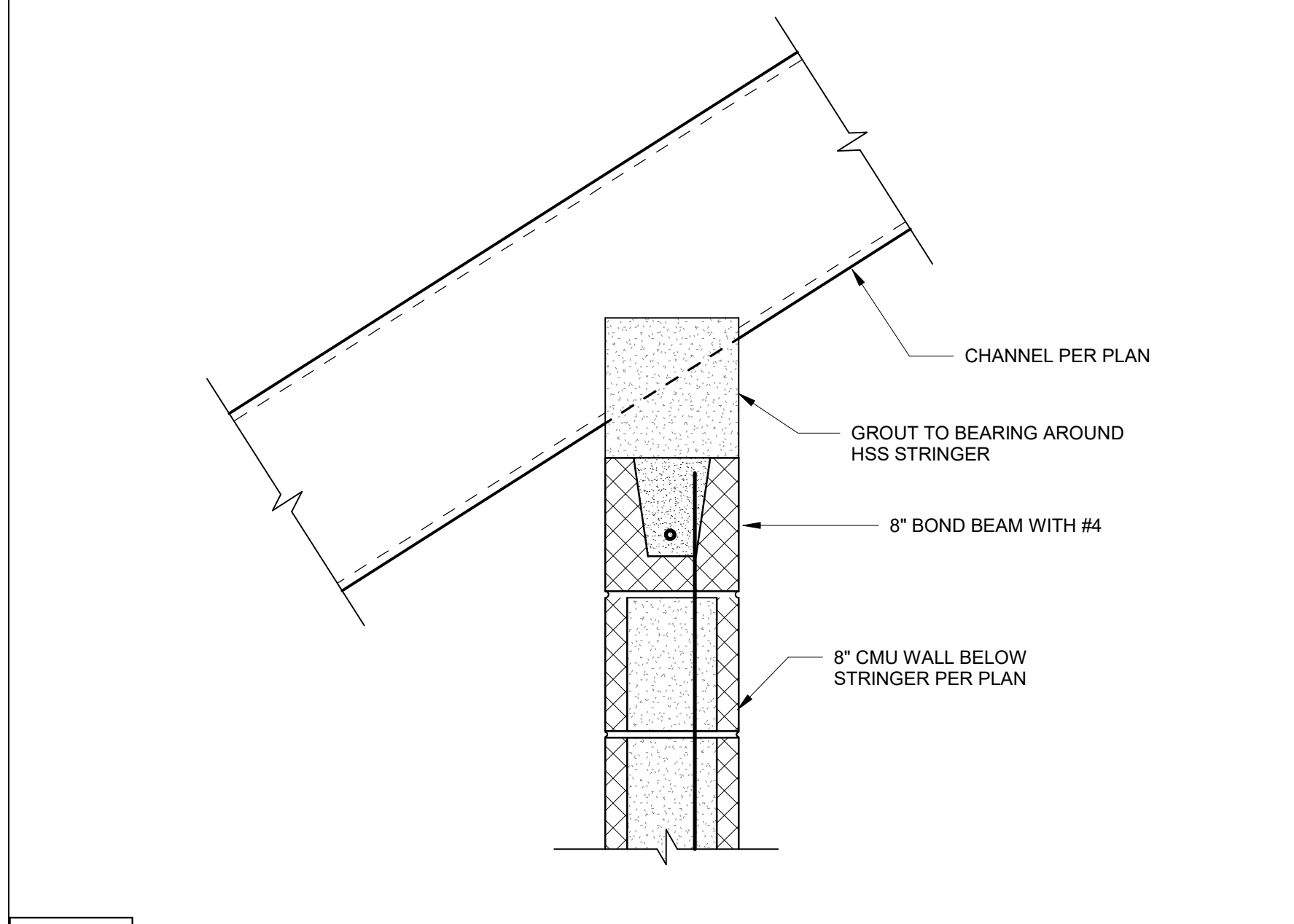
REVISIONS:

No.	Description	Date

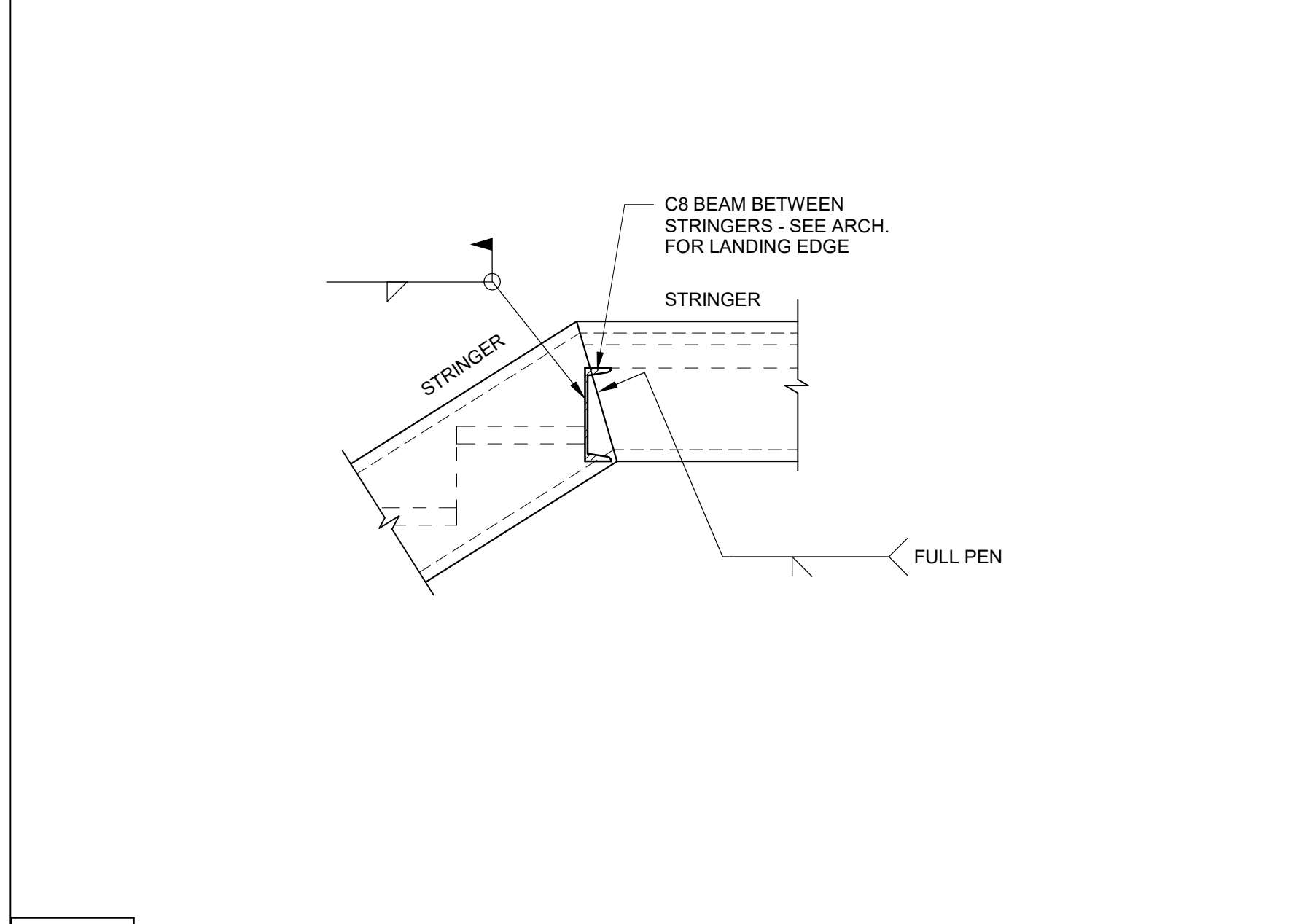
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DATE: 05/12/2023
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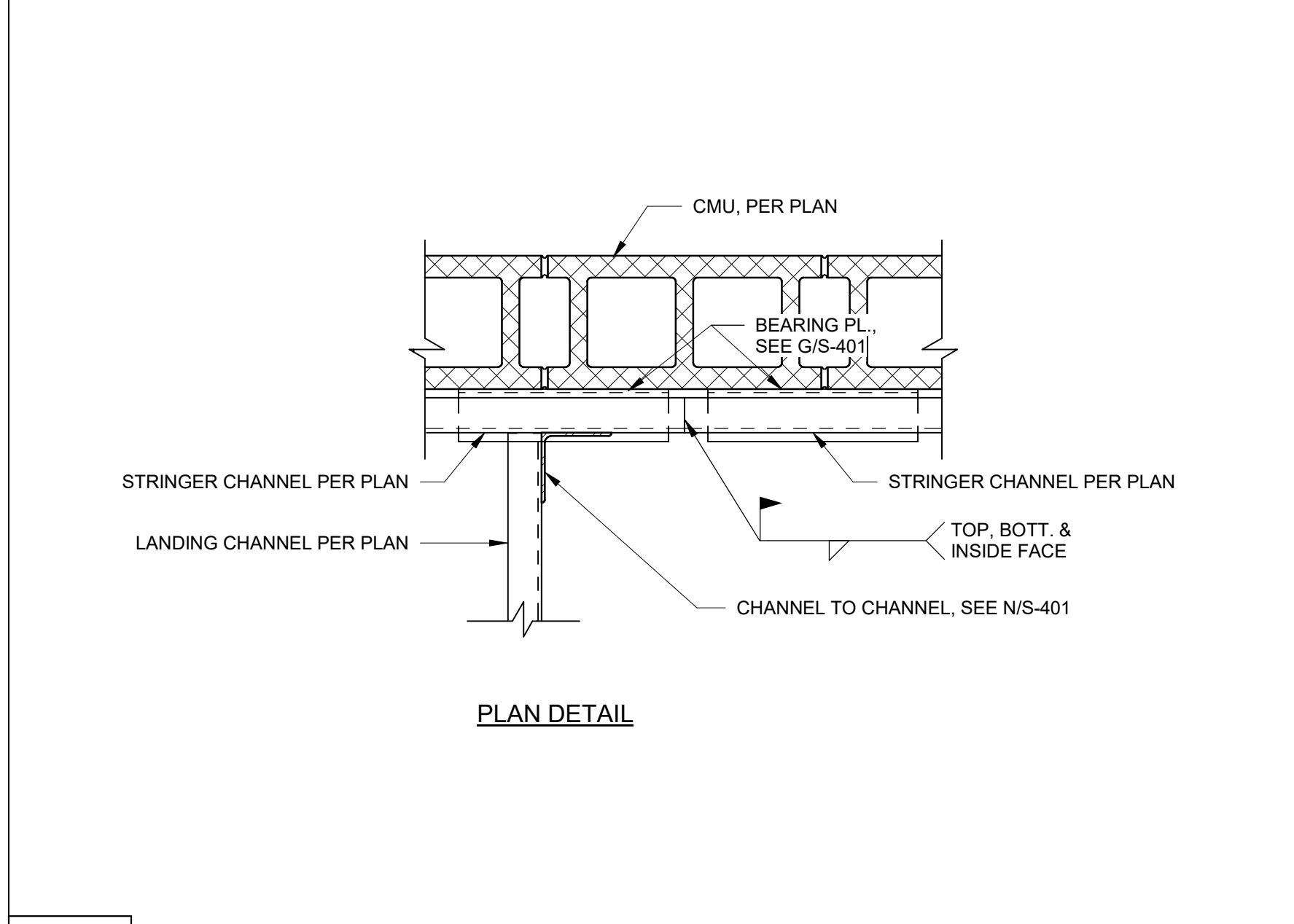
B TYPICAL METAL STAIR STRINGER TO HIGH LANDING DETAIL
1 1/2" = 1'-0"



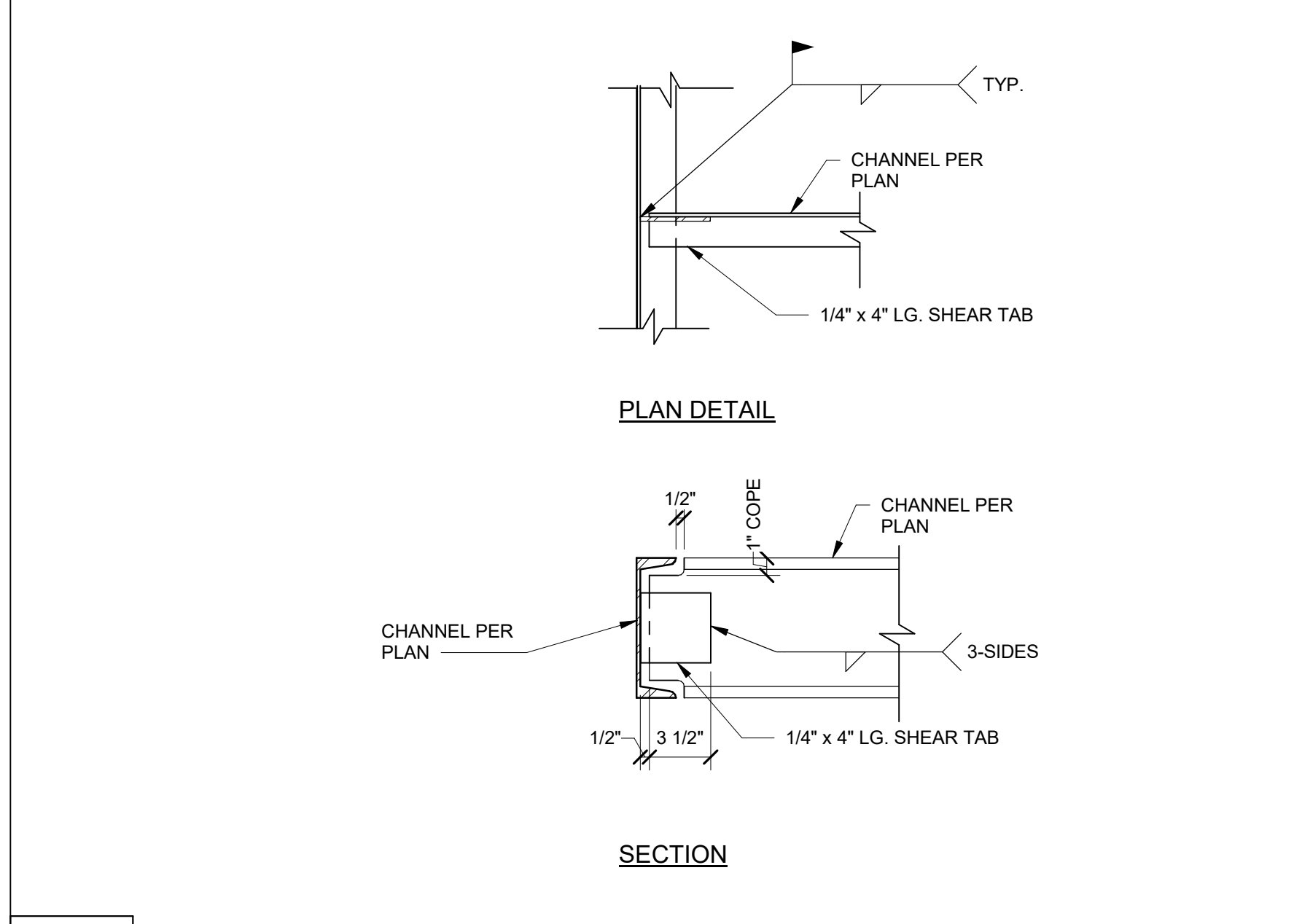
E TYPICAL STAIR STRINGER BEARING ON CMU WALL DETAIL
1 1/2" = 1'-0"



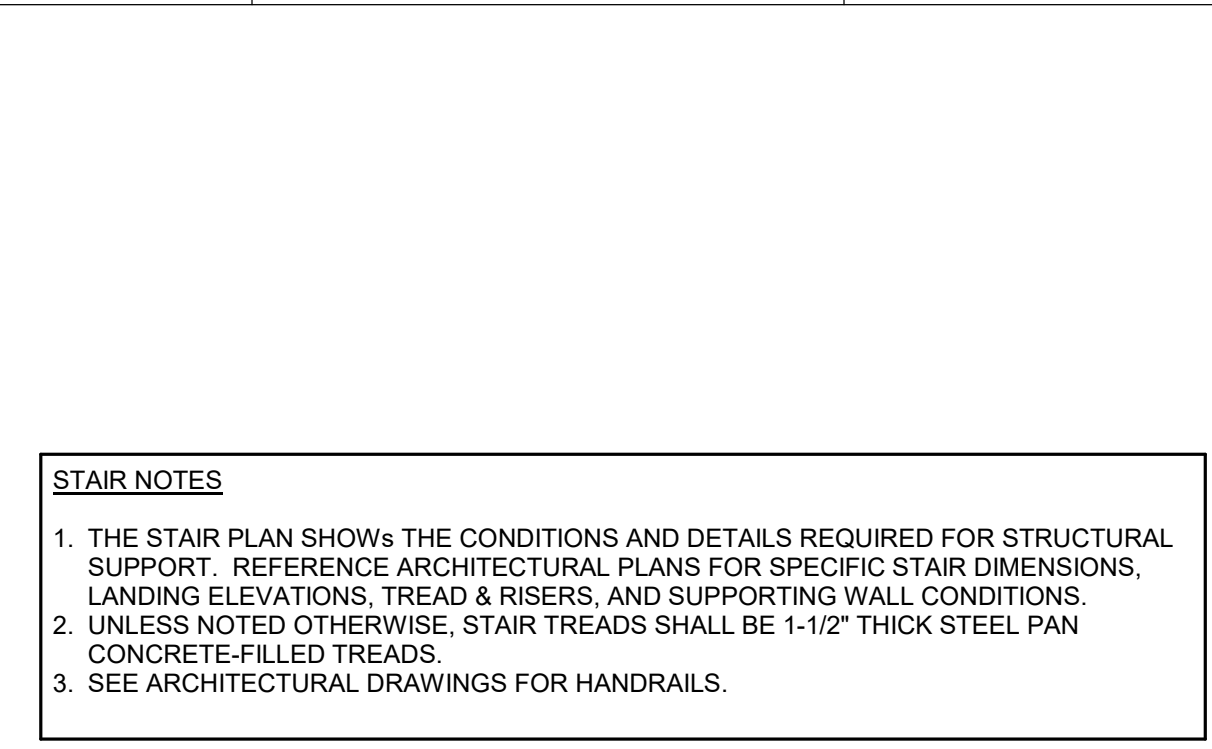
F TYPICAL CRIPPLE STRINGER WELD DETAIL
1" = 1'-0"



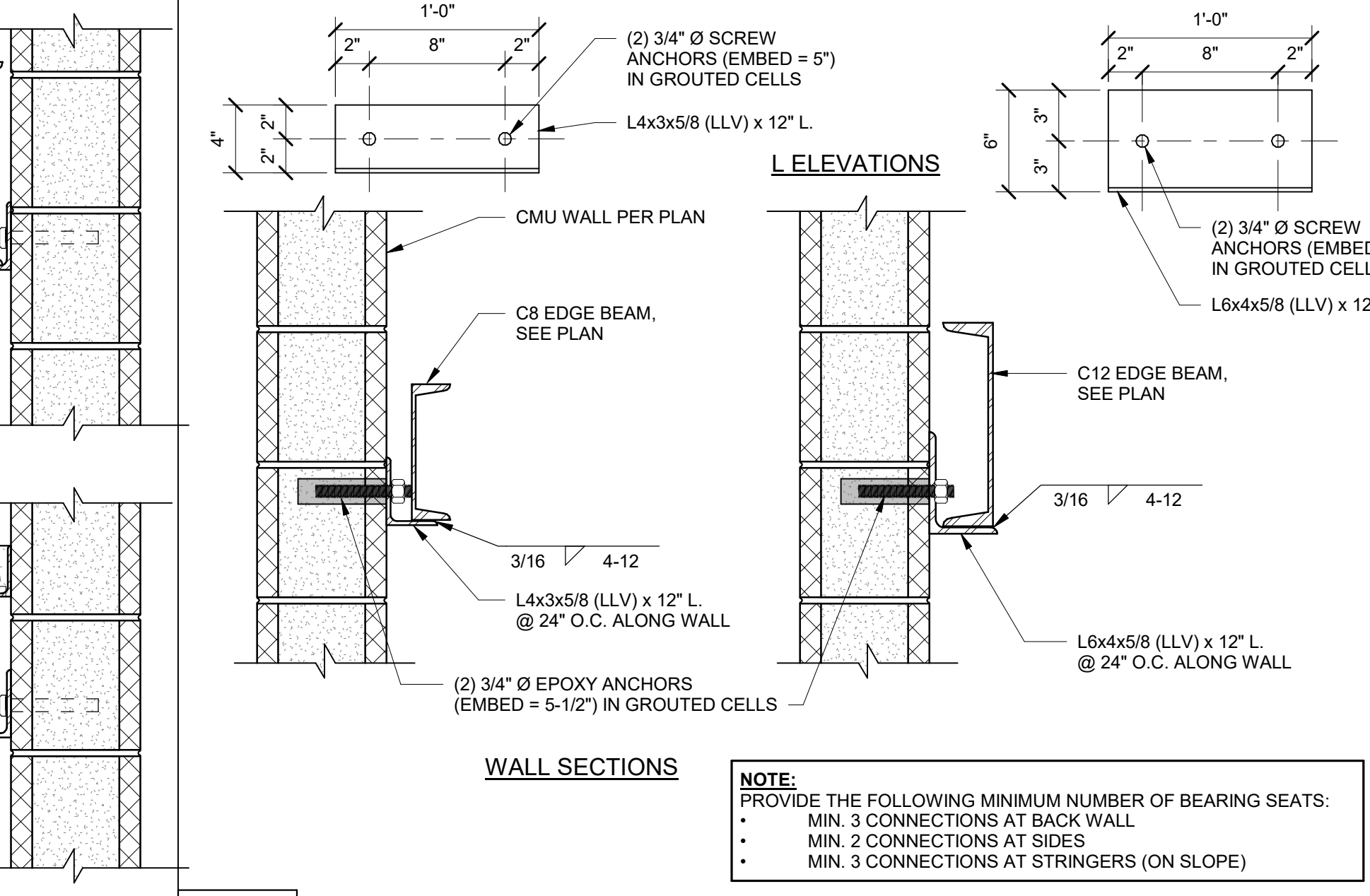
J TYPICAL LANDING CHANNEL TO STRINGER CHANNEL
1 1/2" = 1'-0"



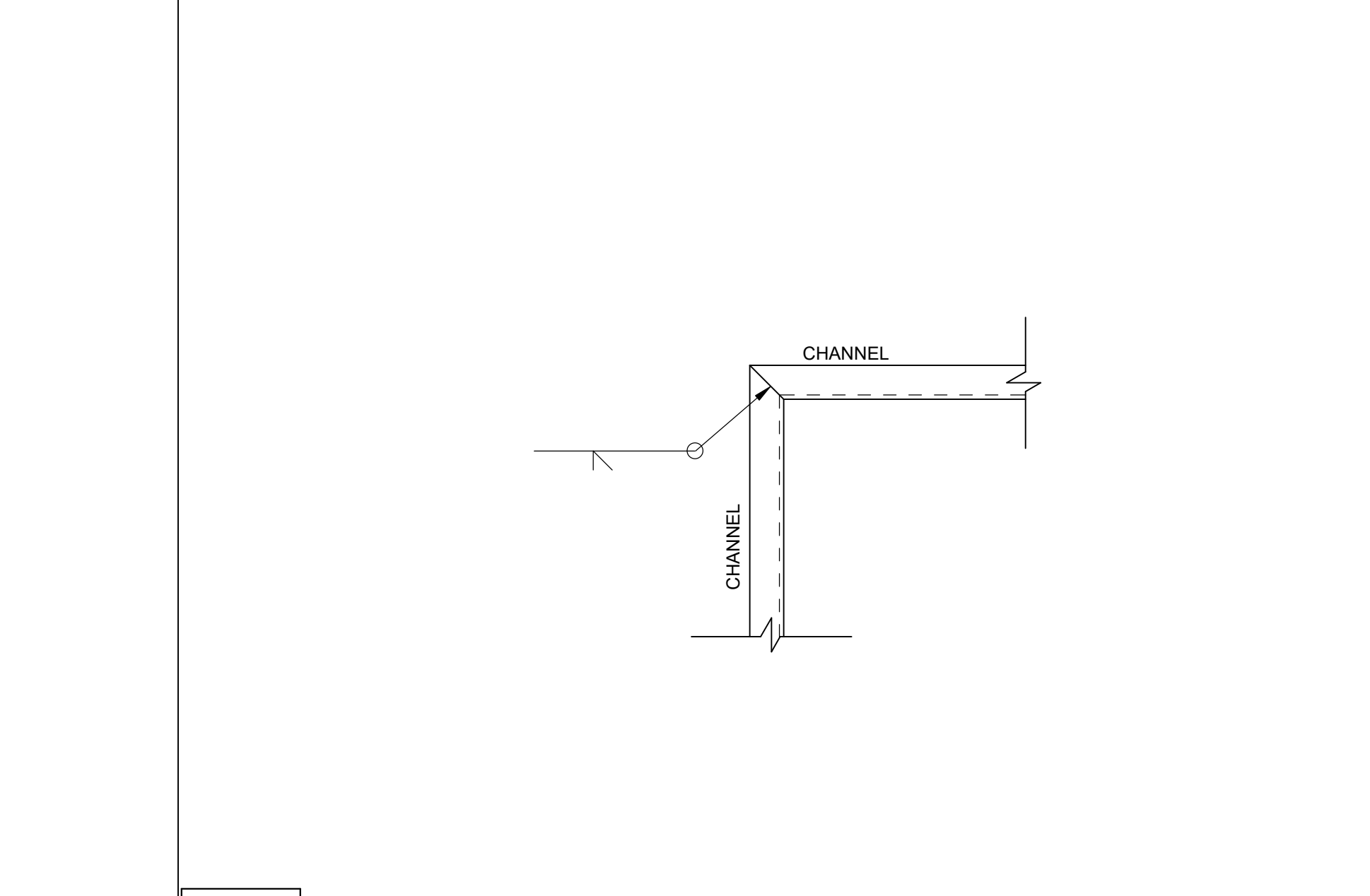
L TYPICAL CHANNEL TO CHANNEL CONNECTION
1 1/2" = 1'-0"



A FIELDHOUSE STAIR FRAMING PLAN
1/4" = 1'-0"



D TYPICAL STAIR LANDING BEARING PL DETAIL
1 1/2" = 1'-0"



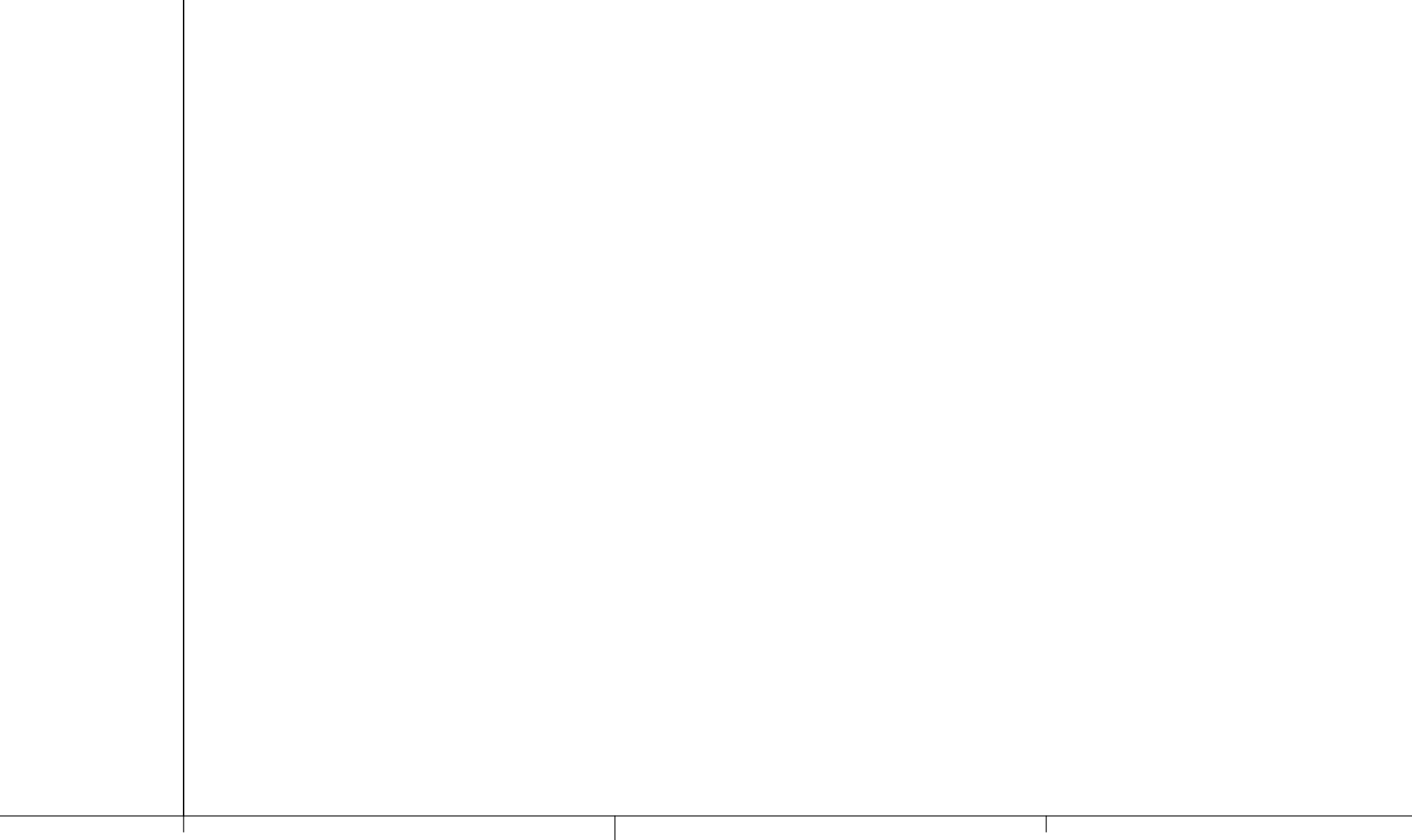
H TYPICAL MITERED CORNER CONNECTION
1 1/2" = 1'-0"



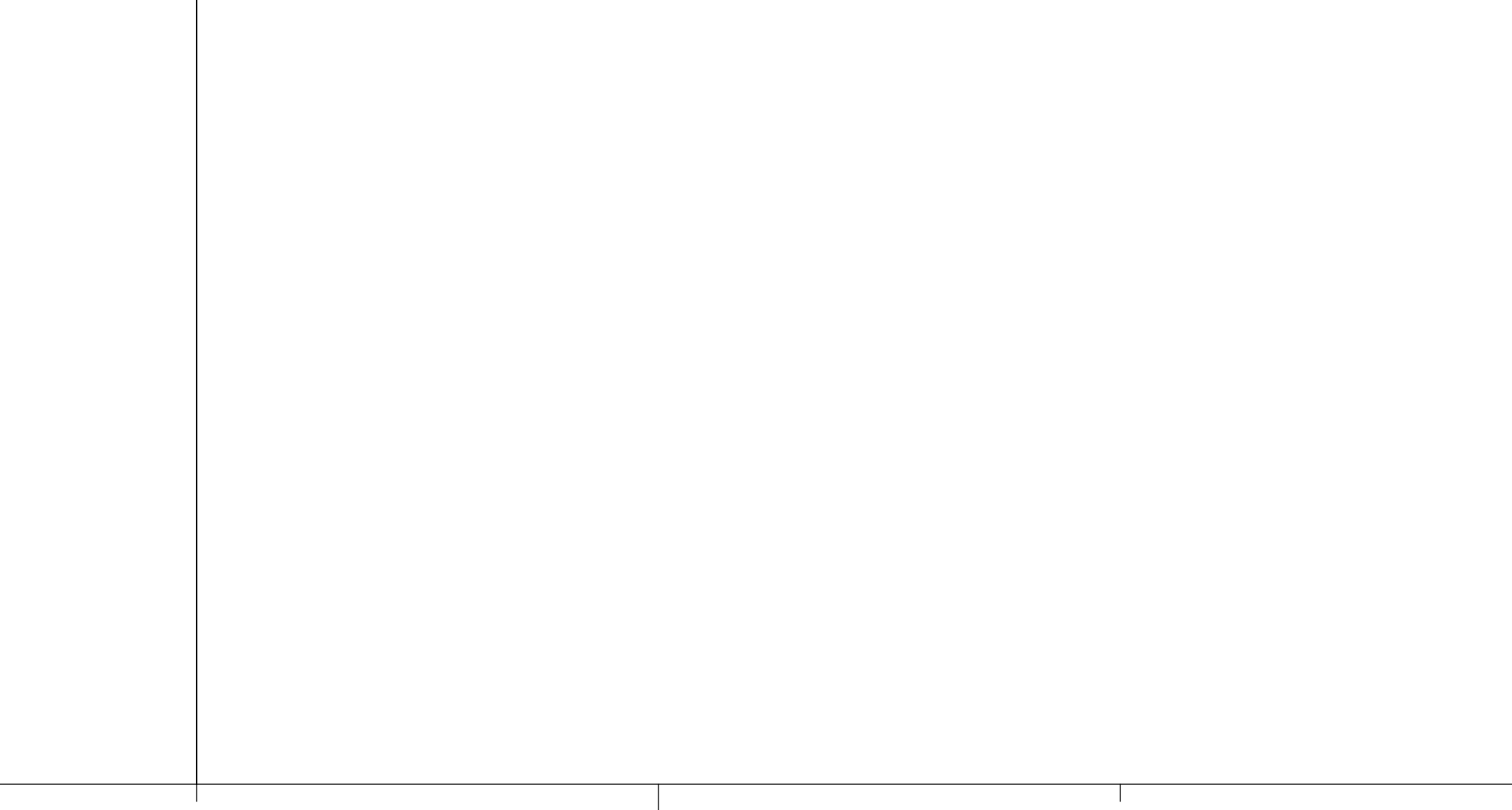
G TYPICAL TREAD BEARING @ CHANNEL
1 1/2" = 1'-0"



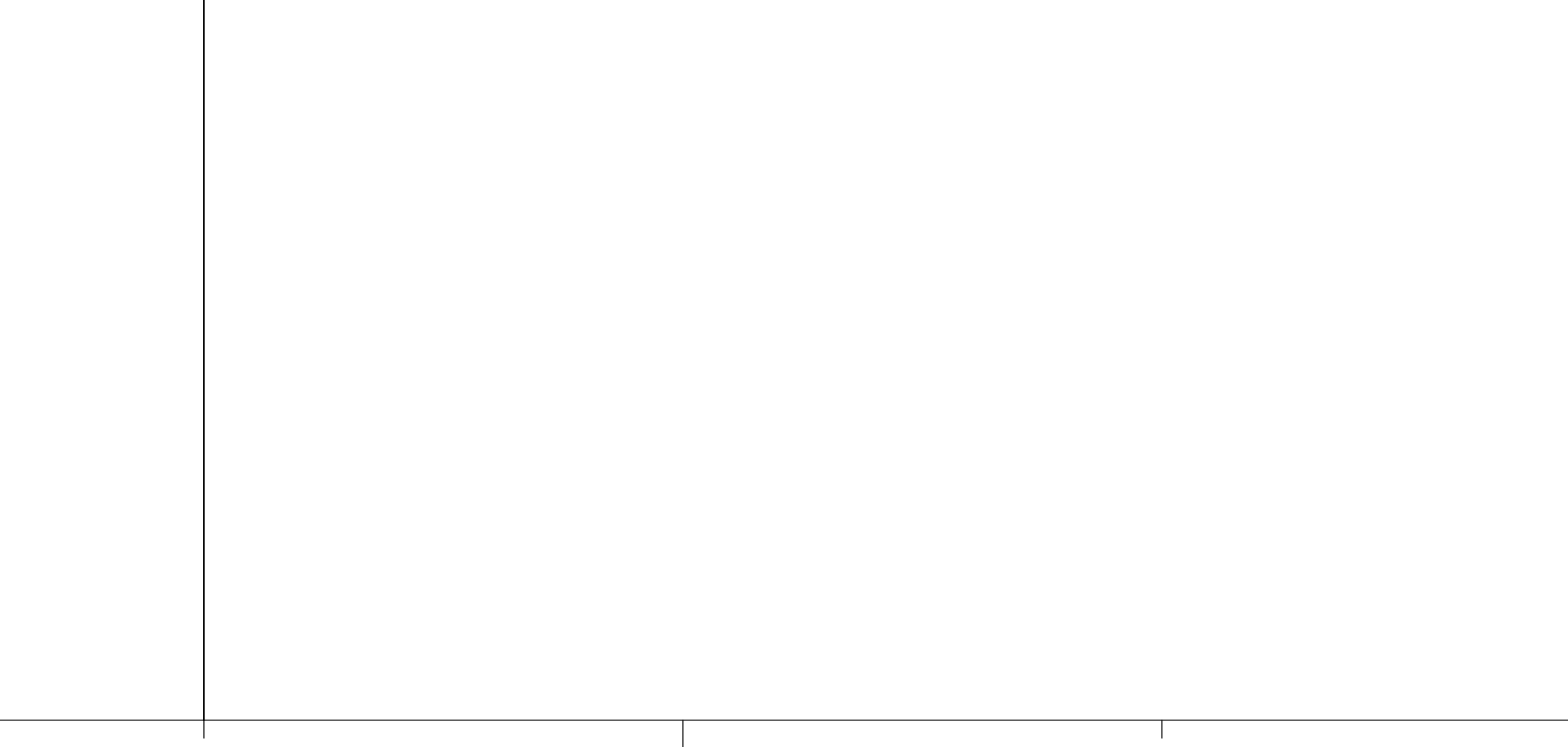
C TYPICAL LANDING SECTION
1 1/2" = 1'-0"



D TYPICAL LANDING SECTION
1 1/2" = 1'-0"



D TYPICAL LANDING SECTION
1 1/2" = 1'-0"



D TYPICAL LANDING SECTION
1 1/2" = 1'-0"



D TYPICAL LANDING SECTION
1 1/2" = 1'-0"



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1 1/2" = 1'-0"



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1 1/2" = 1'-0"



D TYPICAL LANDING SECTION
1 1/2" = 1'-0"



D TYPICAL LANDING SECTION
1 1/2" = 1'-0"



D TYPICAL LANDING SECTION
1 1/2" = 1'-0"



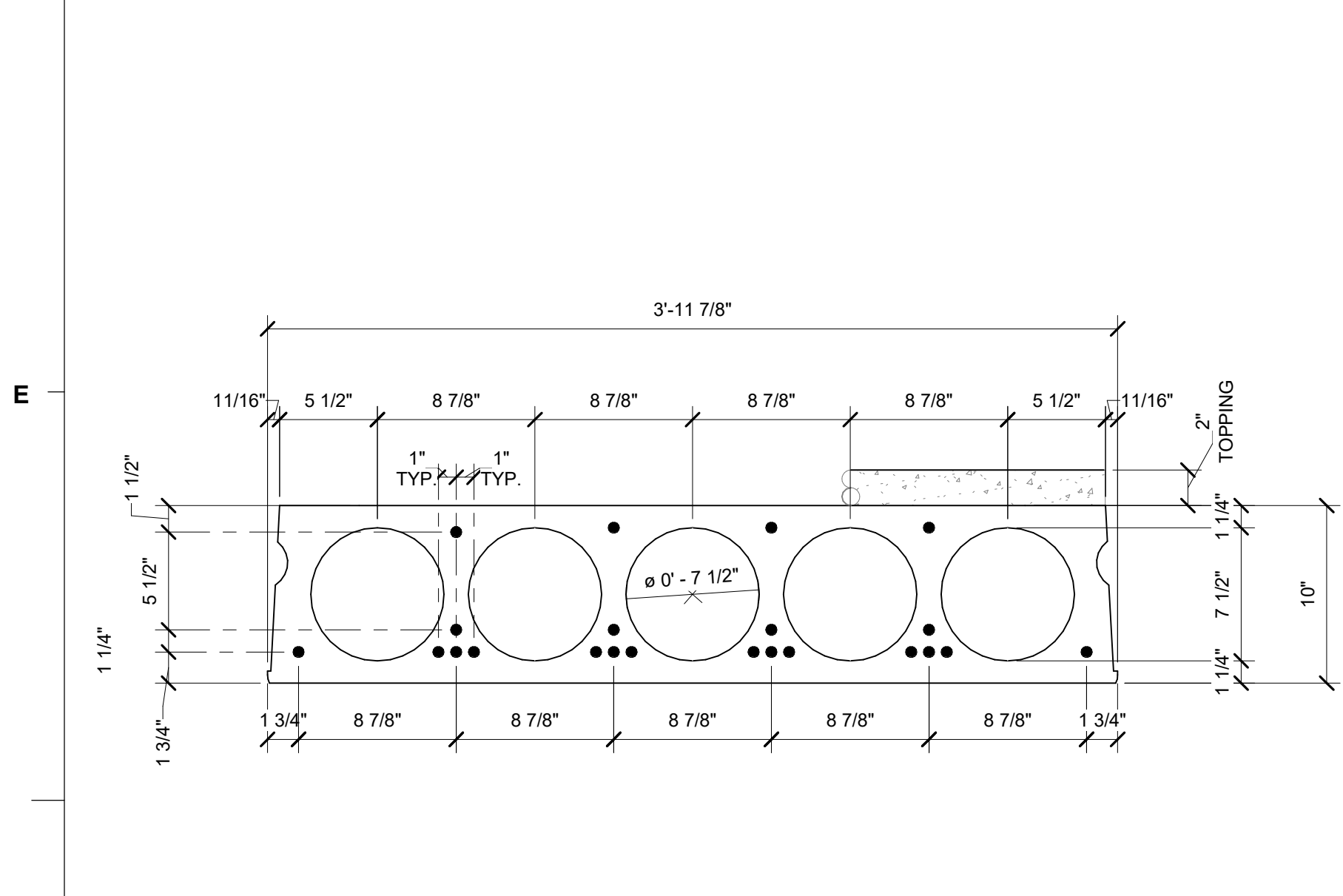
D TYPICAL LANDING SECTION
1 1/2" = 1'-0"

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5/26/2023 9:50:09 AM

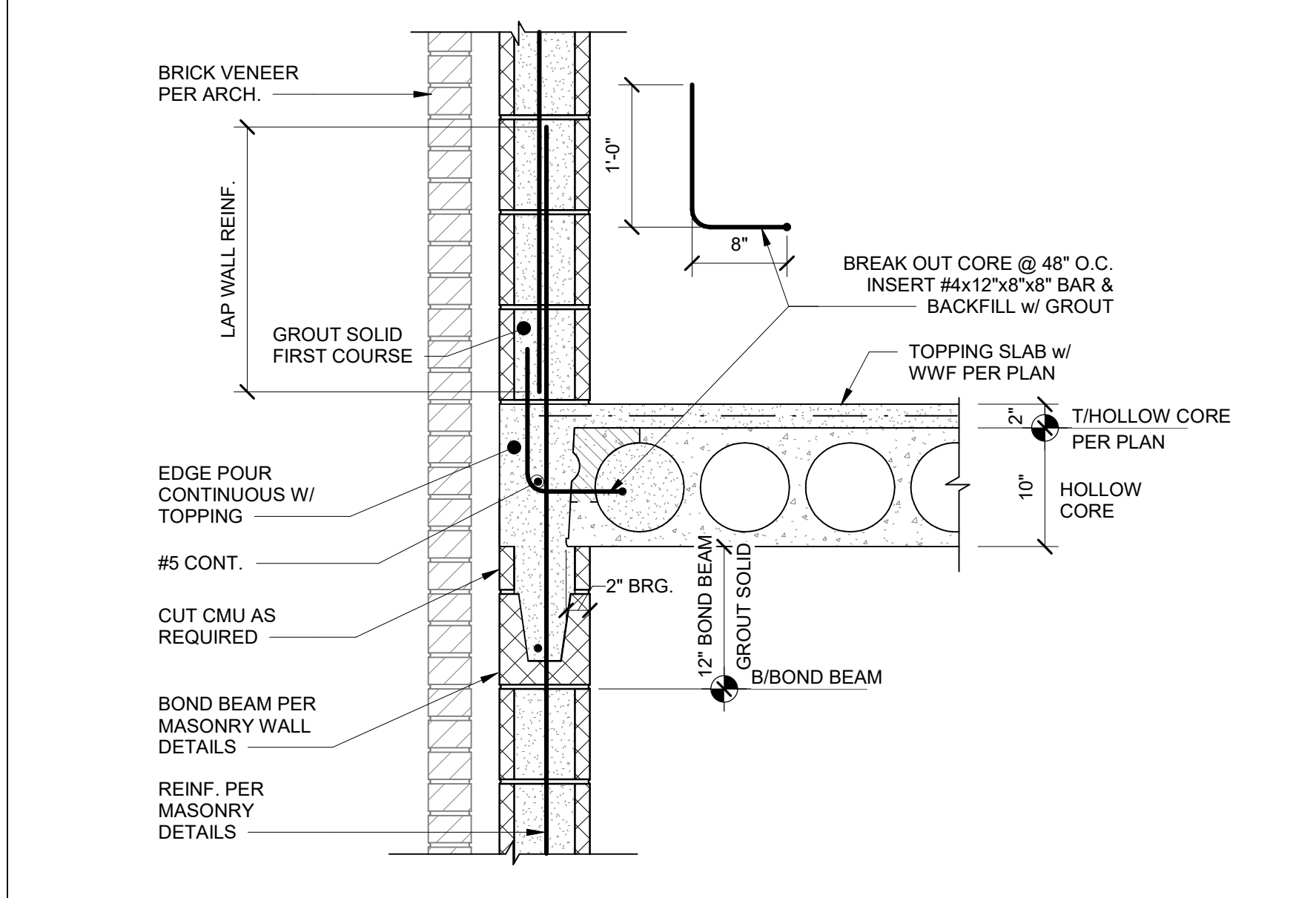
REVISIONS:

No.	Description	Date

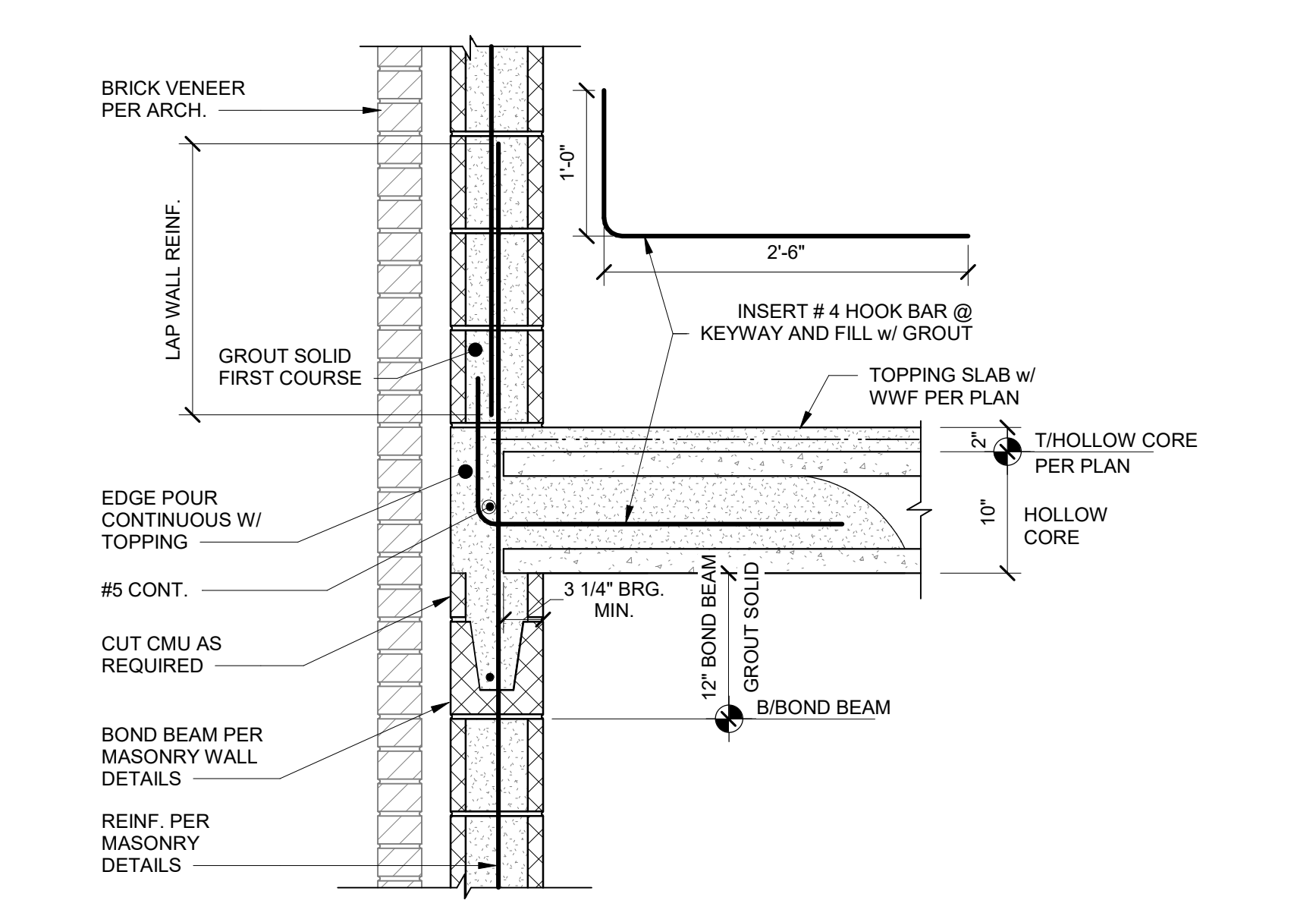
PROJECT: 5201-192070
 DATE: 05/12/2023
 DRAWN BY: BTH
 CHECKED BY: SJP



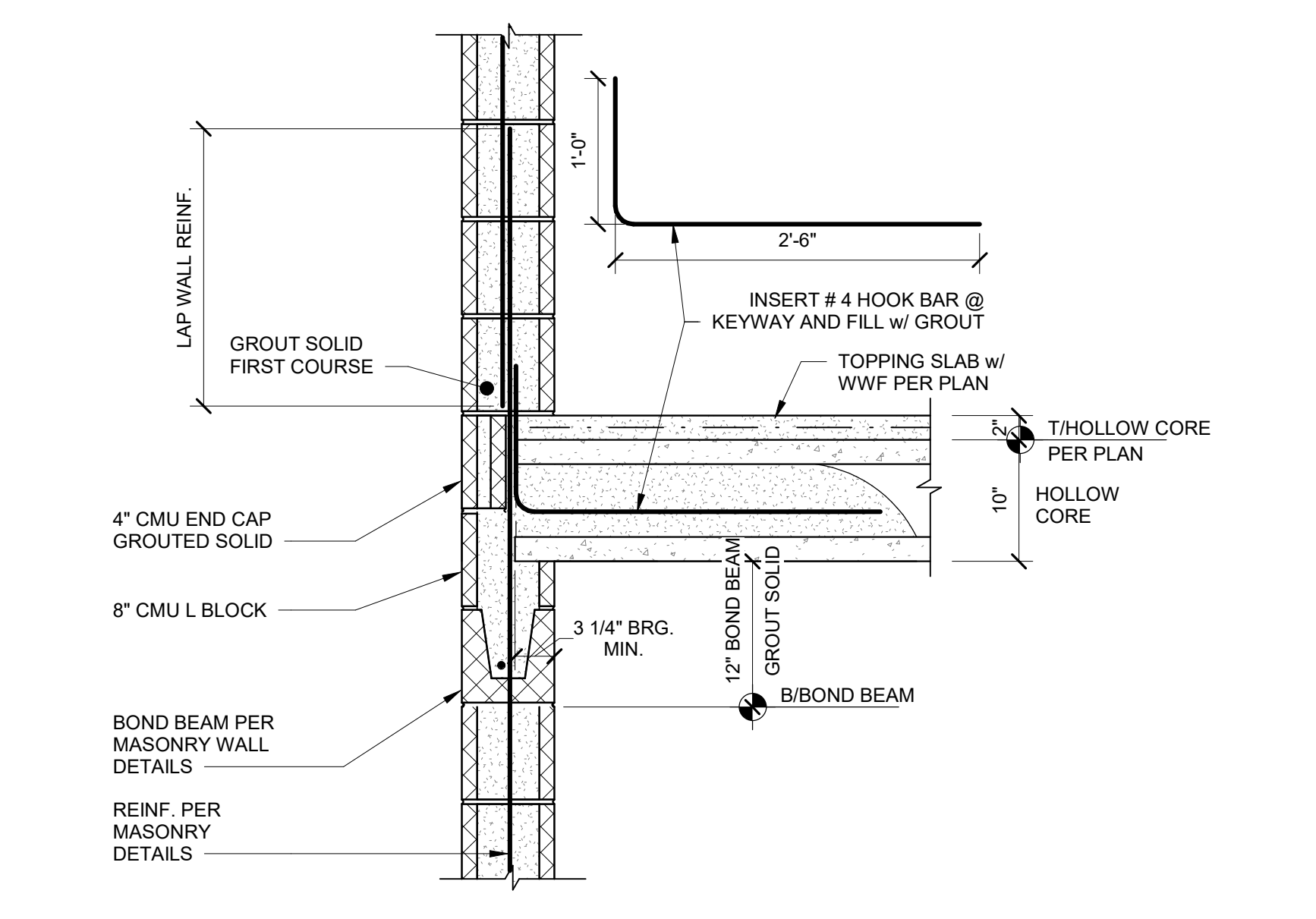
A 10" HOLLOWCORE SLAB SECTION
 1 1/2" = 1'-0"



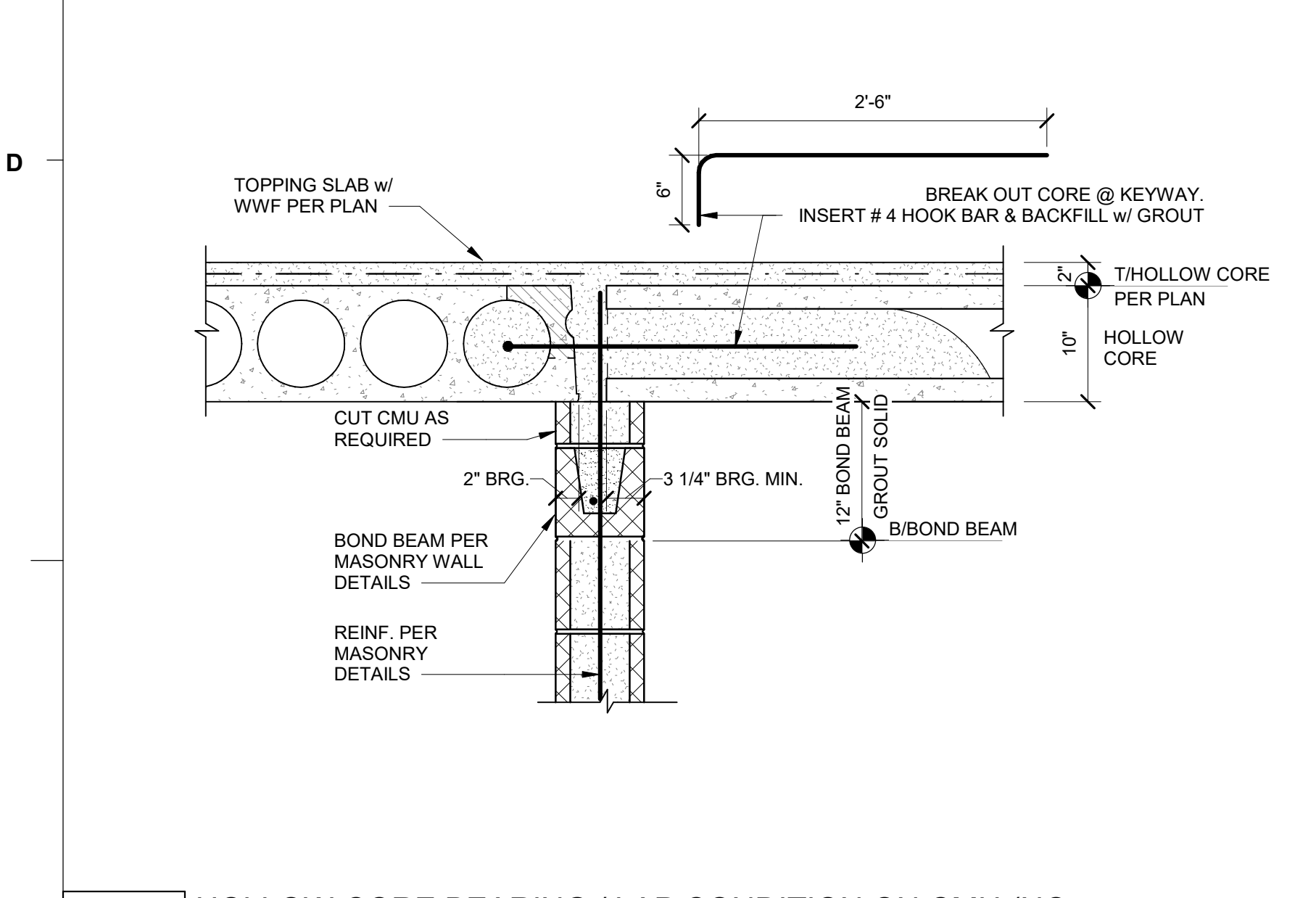
B HOLLOW CORE LAP CONDITION ON CMU w/ BRICK
 1" = 1'-0"



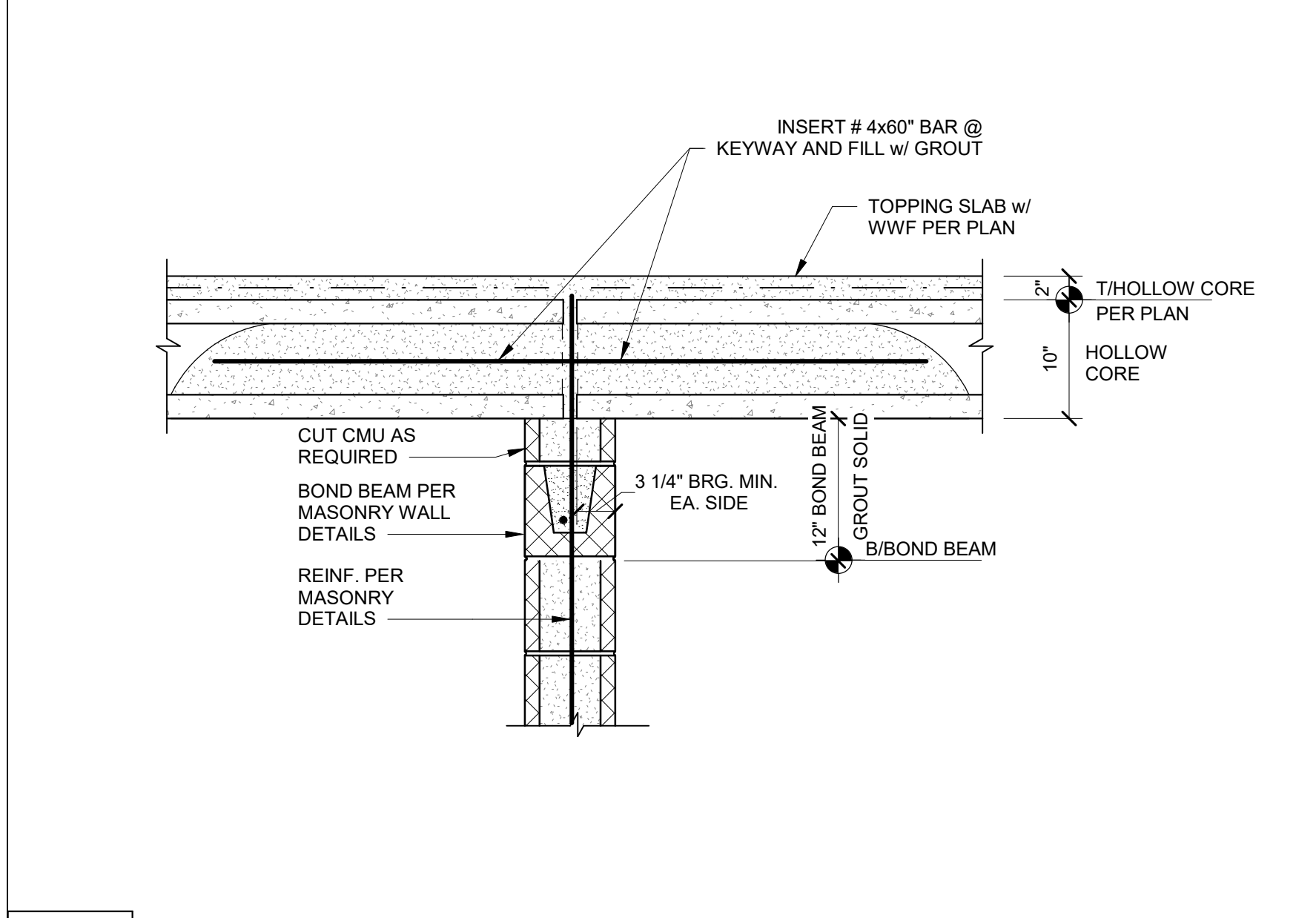
C HOLLOW CORE SINGLE BEARING ON CMU w/ BRICK
 1" = 1'-0"



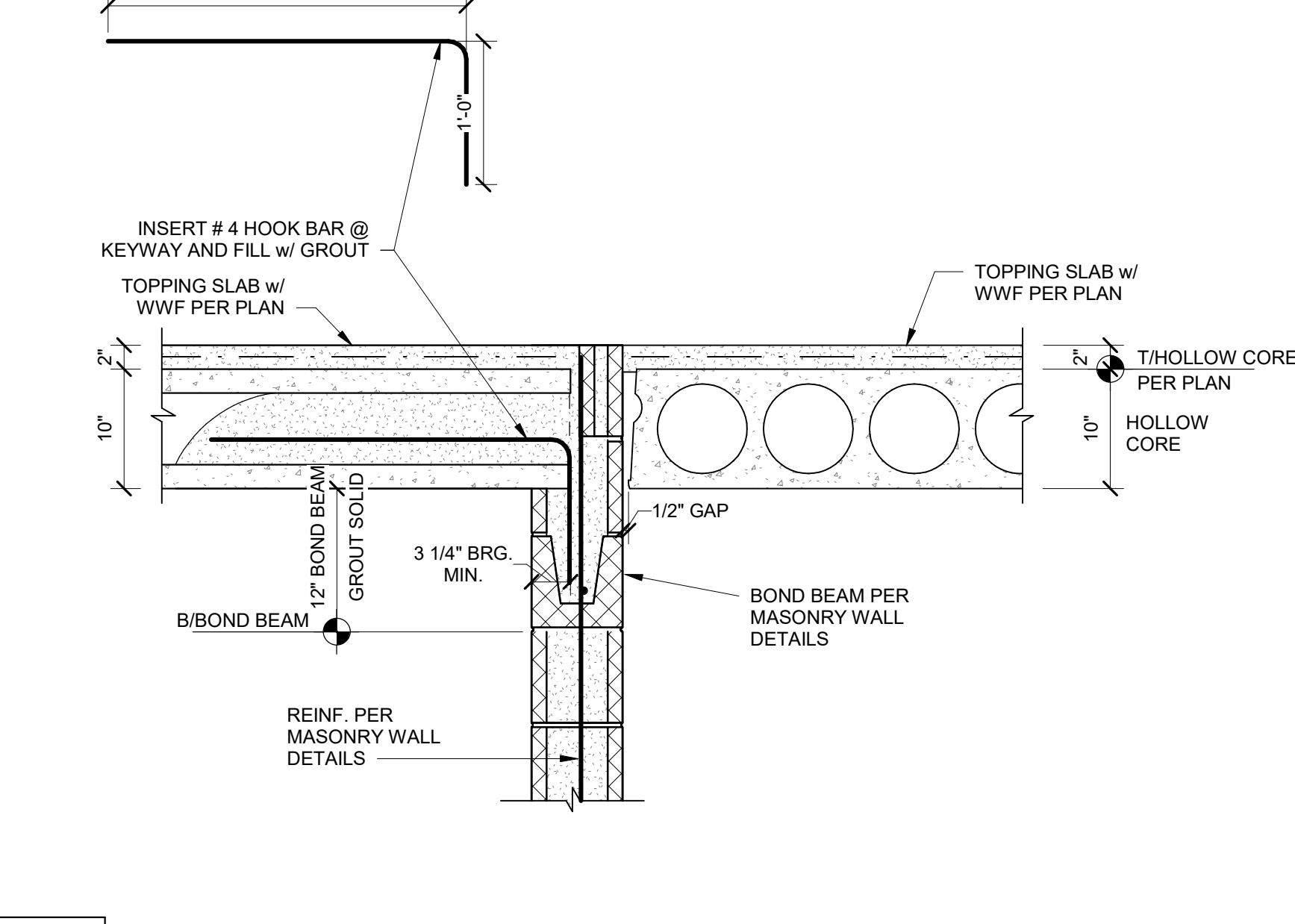
D HOLLOW CORE SINGLE BEARING ON CMU
 1" = 1'-0"



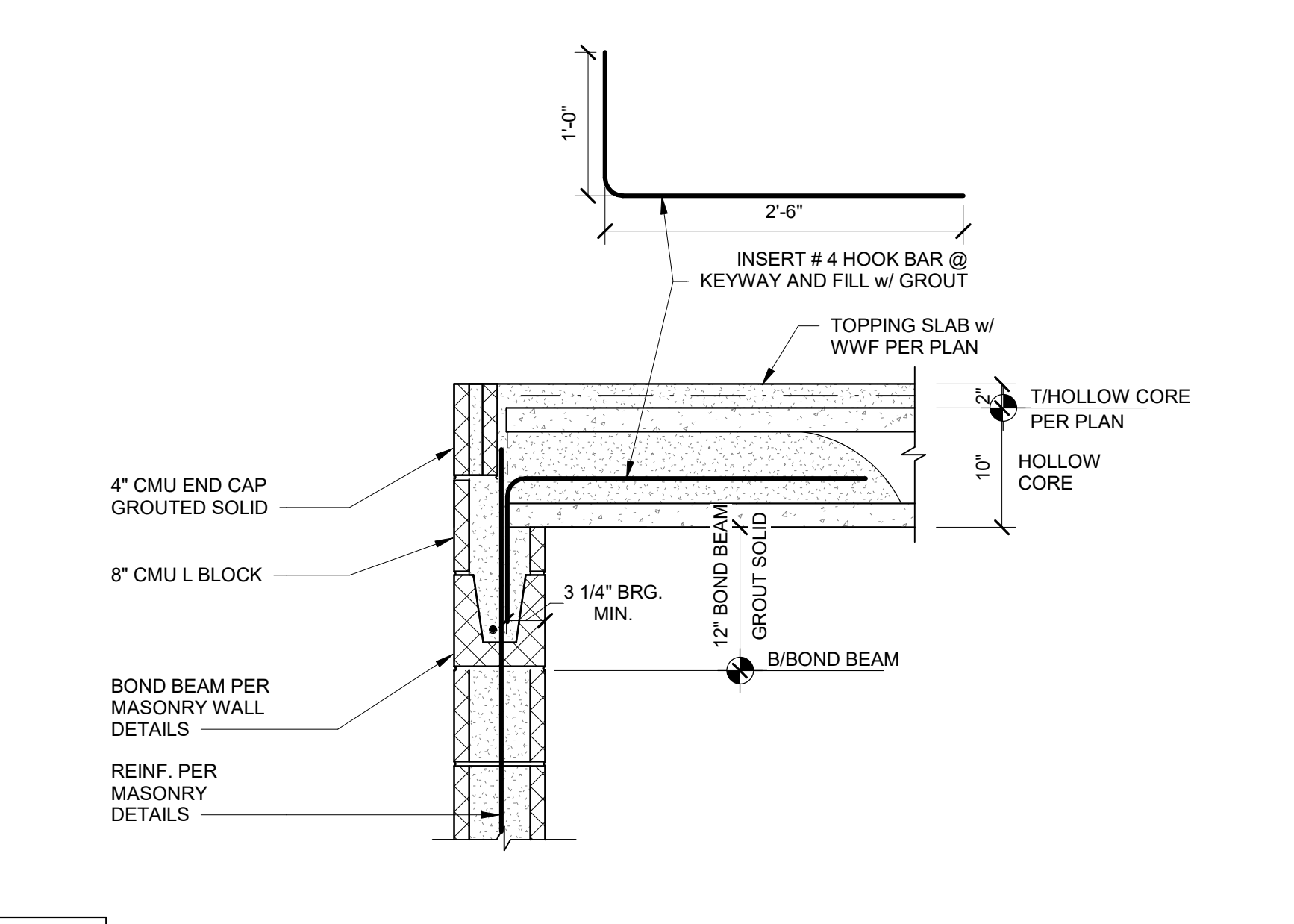
E HOLLOW CORE BEARING / LAP CONDITION ON CMU (NO WALL ABOVE)
 1" = 1'-0"



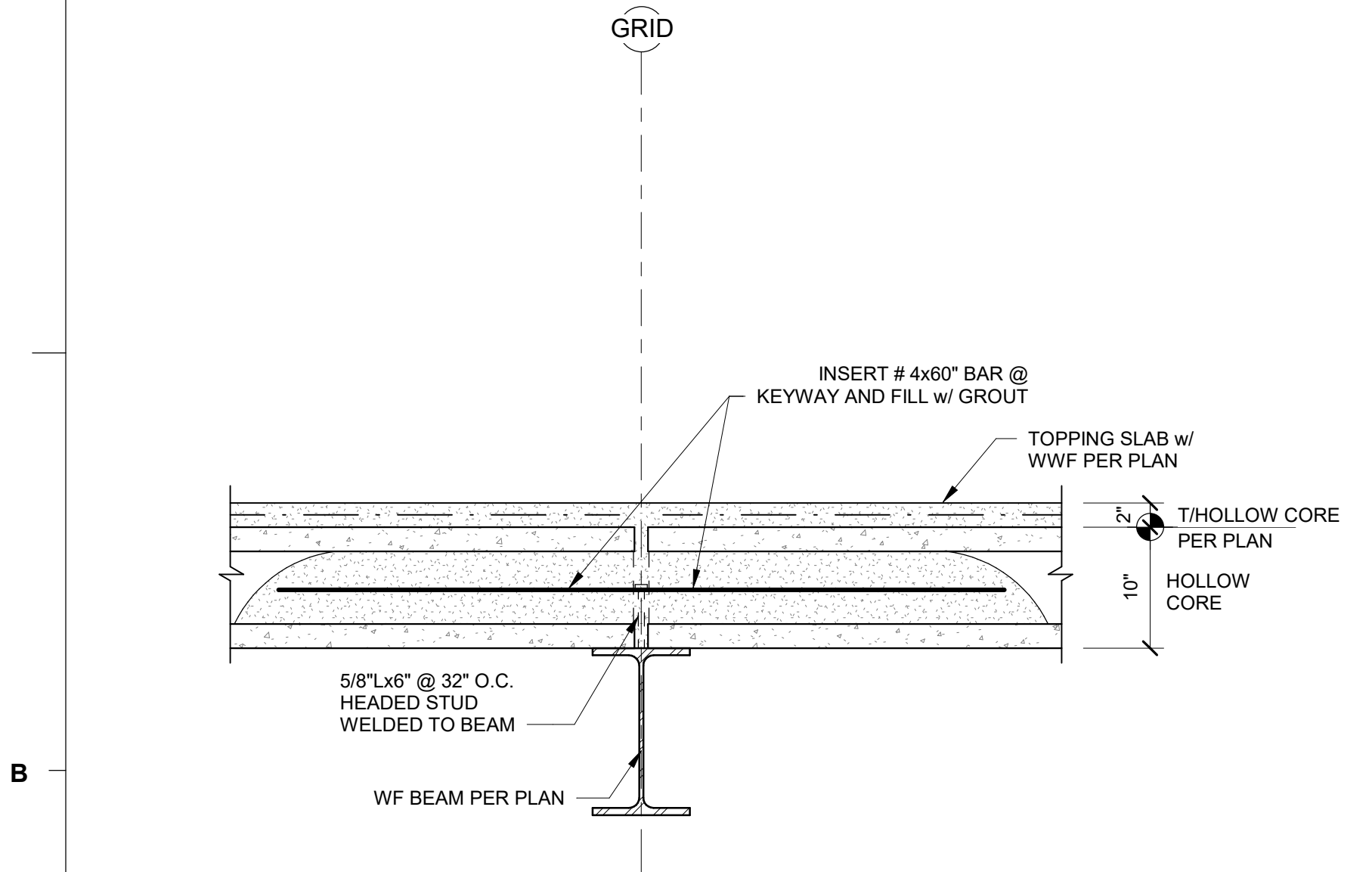
F DOUBLE BRG. CONDITION ON T/CMU
 1" = 1'-0"



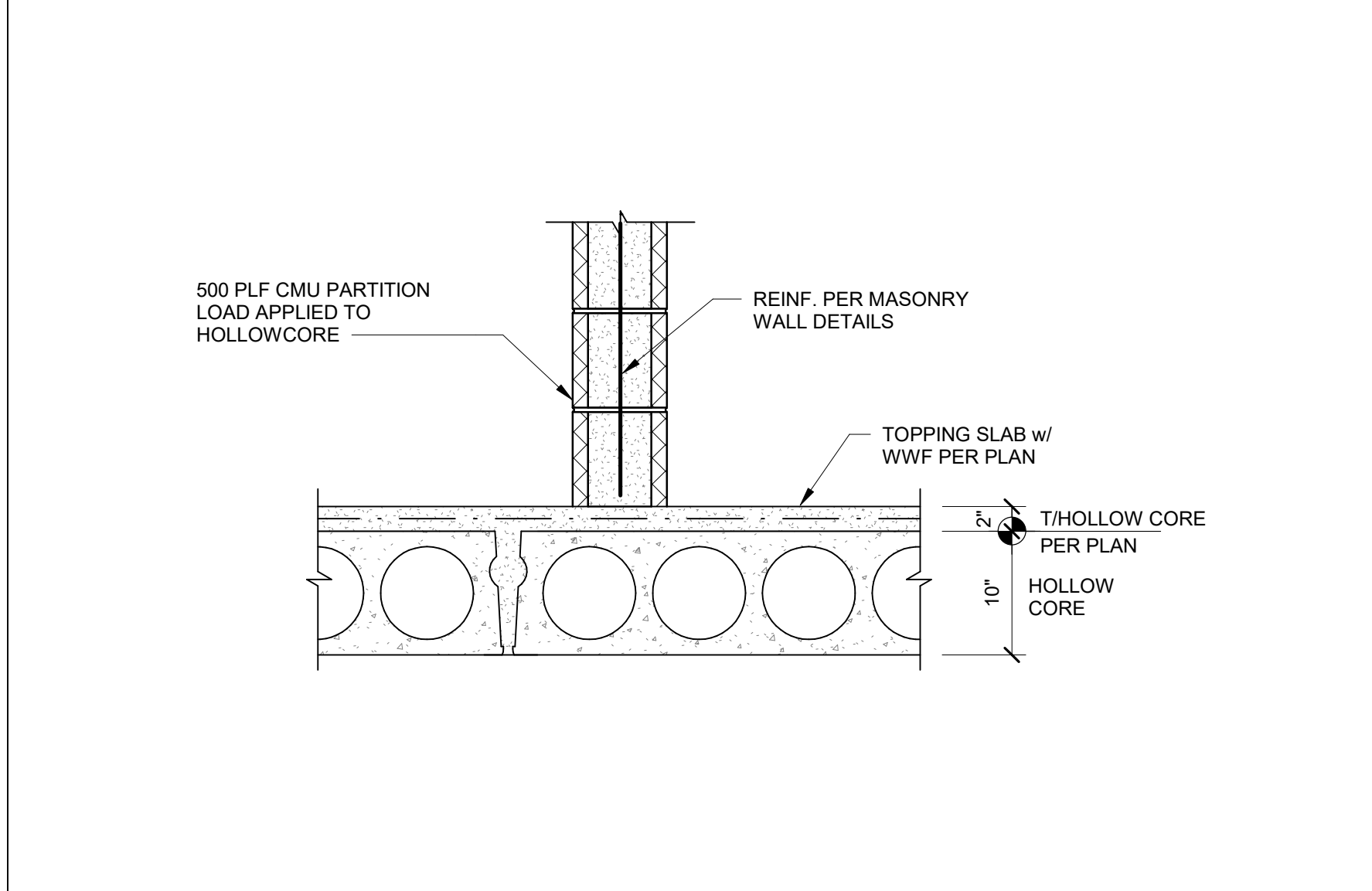
G HOLLOW CORE BEARING & LAP @ 1/2" GAP @ RATED WALL
 1" = 1'-0"



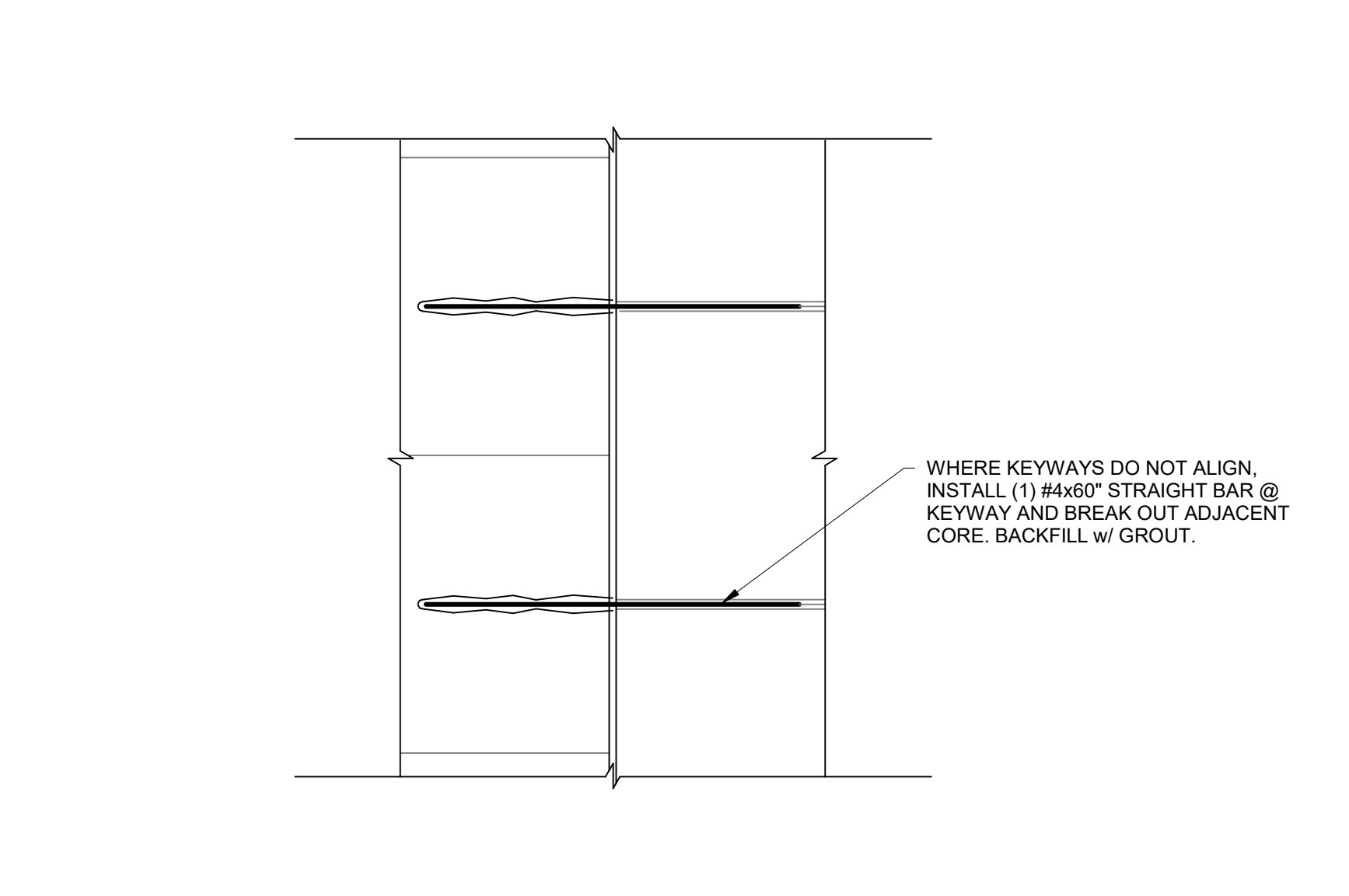
H SINGLE BEARING CONDITION ON T/CMU
 1" = 1'-0"



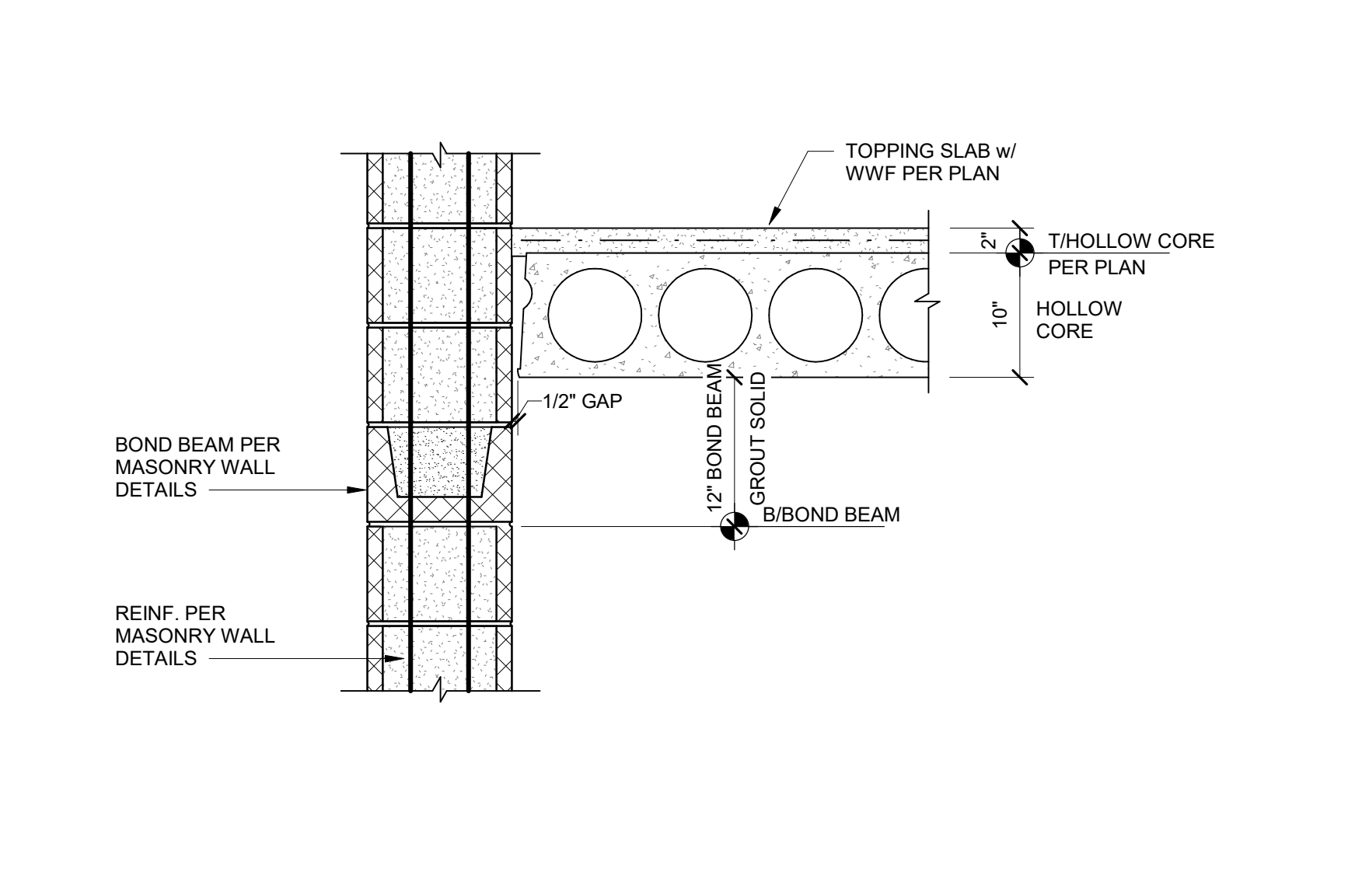
J HOLLOW CORE DOUBLE BEARING CONDITION ON STEEL BEAM
 1" = 1'-0"



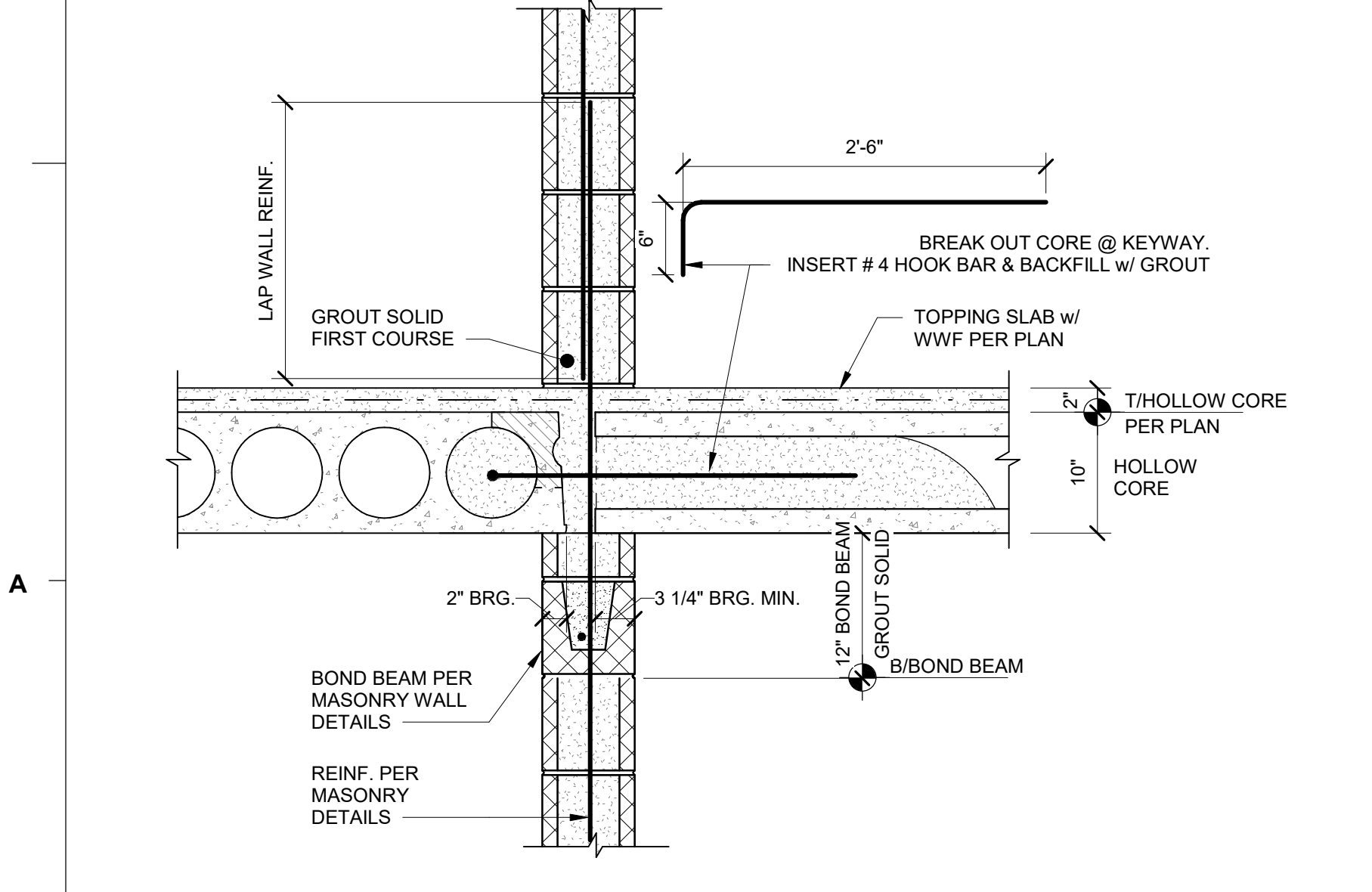
K CMU PARTITION BEARING ON HOLLOW CORE
 1" = 1'-0"



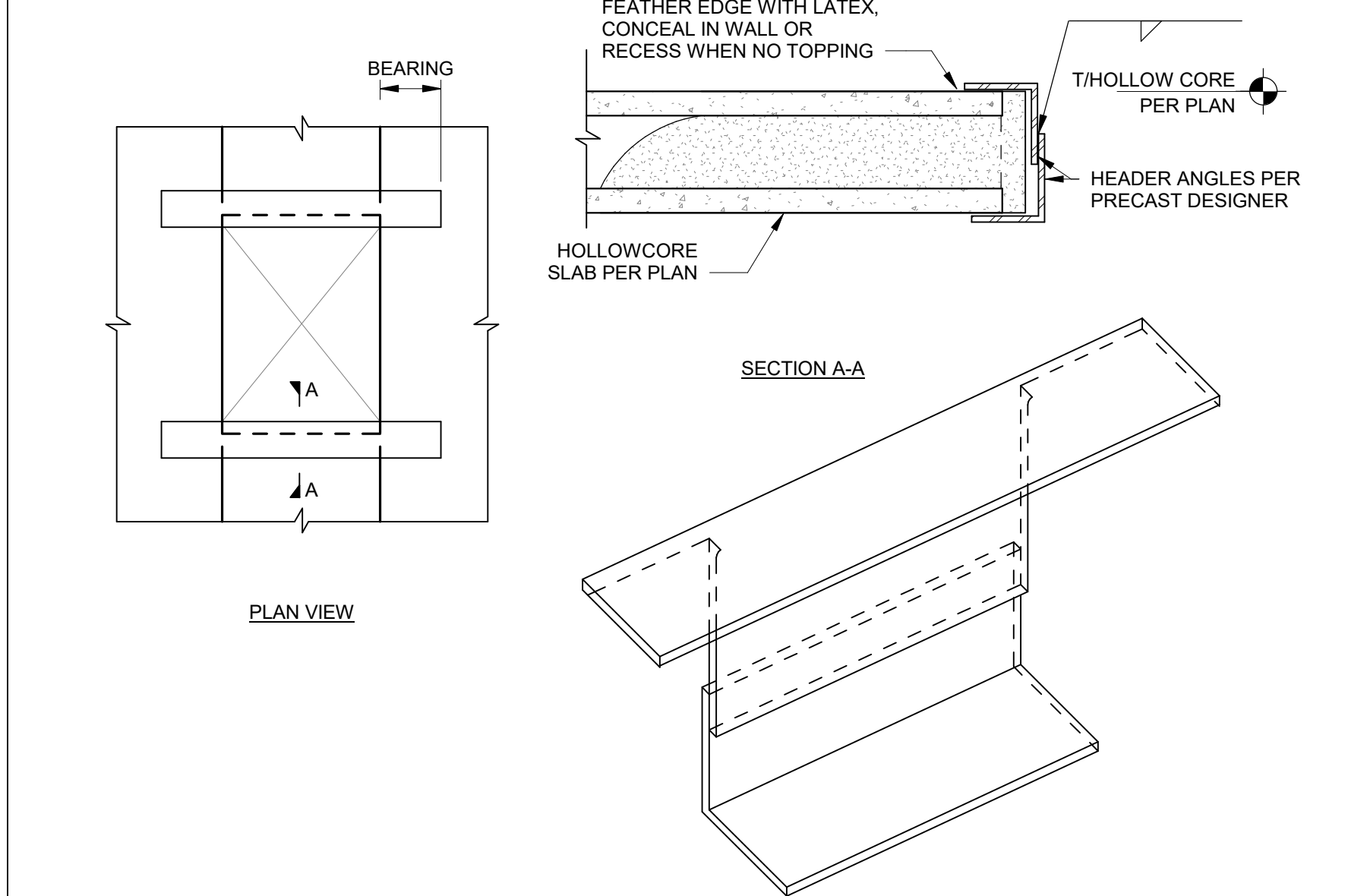
L HOLLOW CORE DOUBLE BEARING WHERE KEYWAYS DO NOT ALIGN
 1/2" = 1'-0"



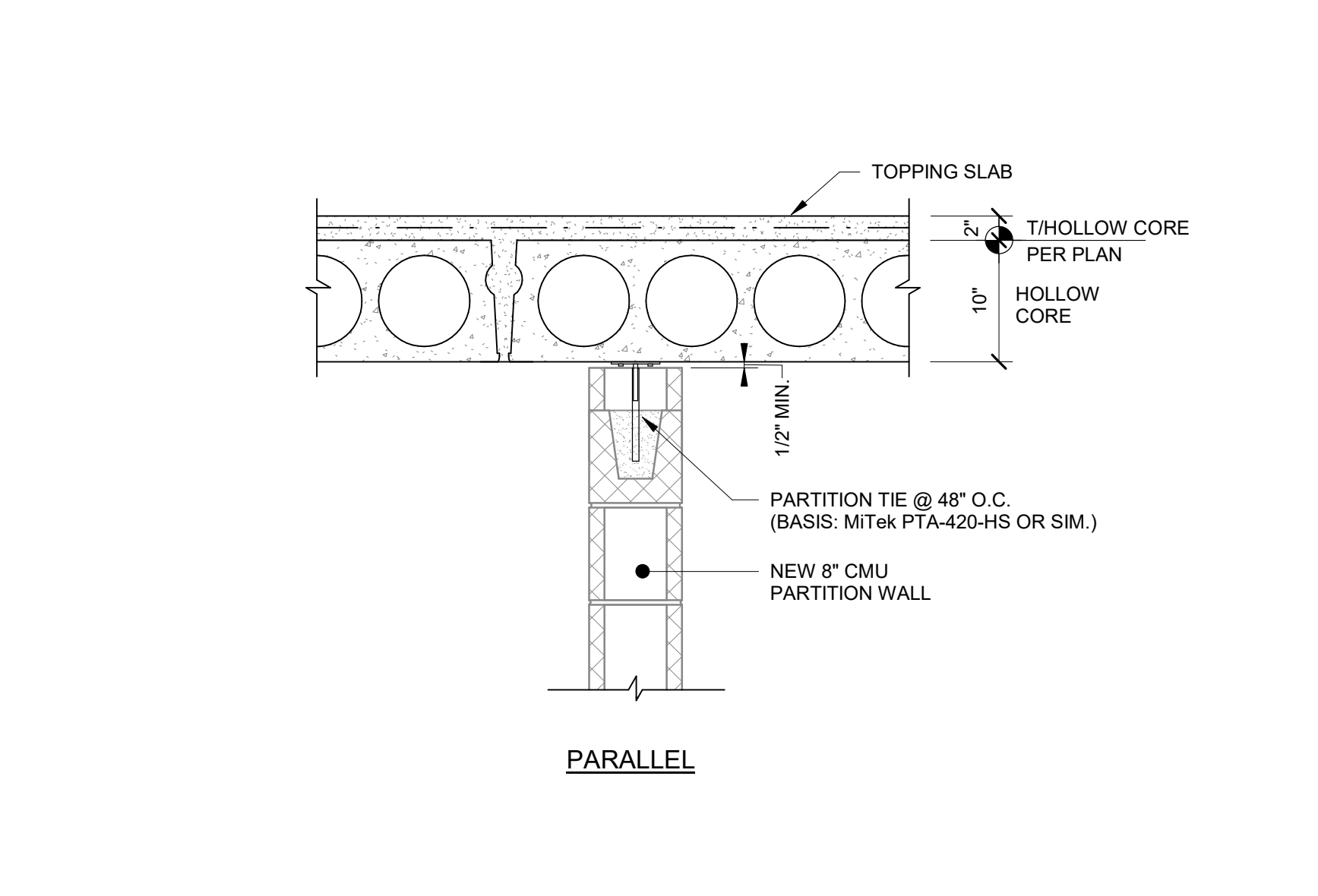
M HOLLOW CORE CONDITION @ 1/2" GAP @ RATED WALL
 1" = 1'-0"



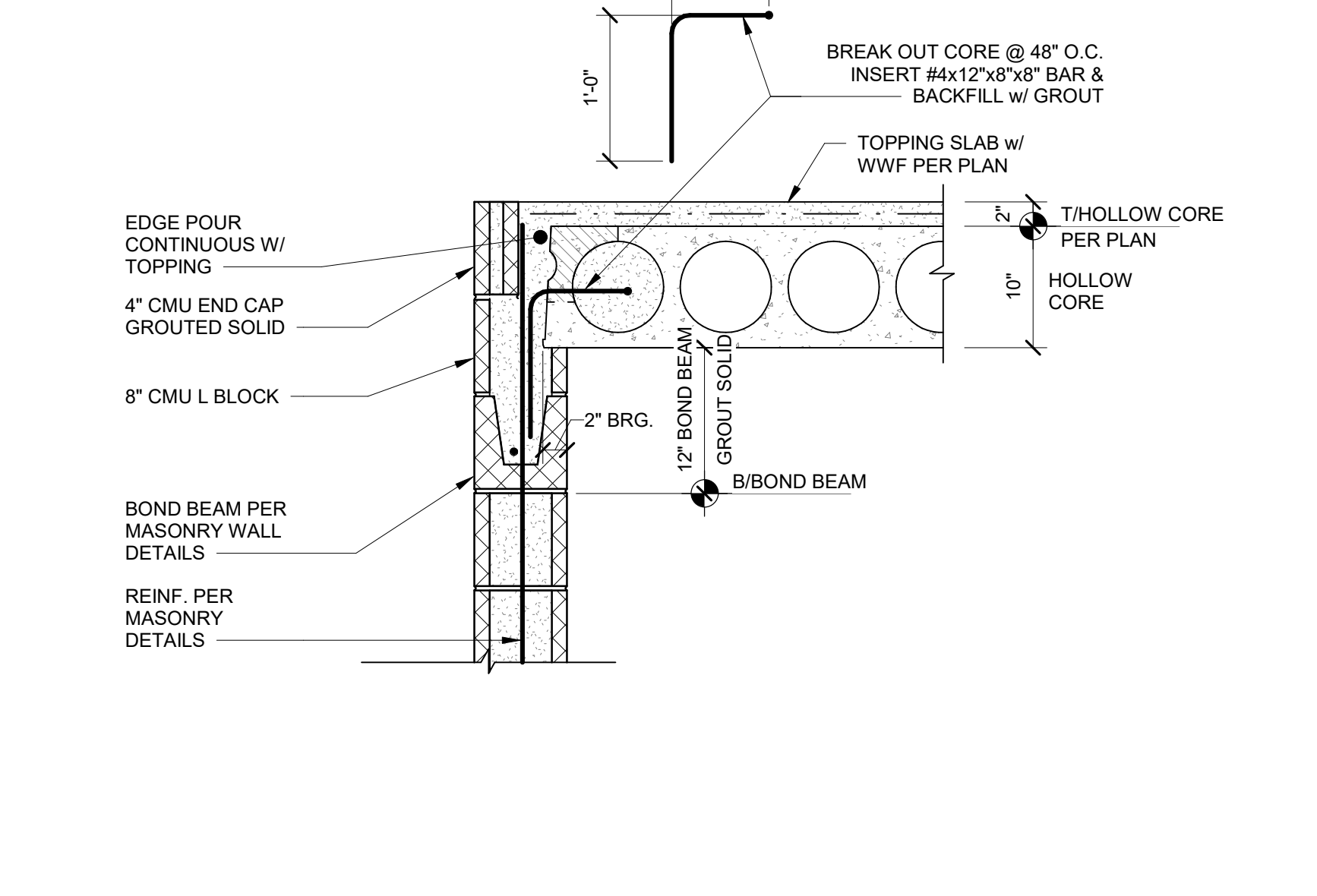
N HOLLOW CORE BEARING/ LAP ON CMU
 1" = 1'-0"



P TYPICAL HEADER @ HOLLOWCORE OPENING
 1" = 1'-0"



R TYPICAL PARTITION TIE TO HOLLOW CORE DETAIL
 1" = 1'-0"



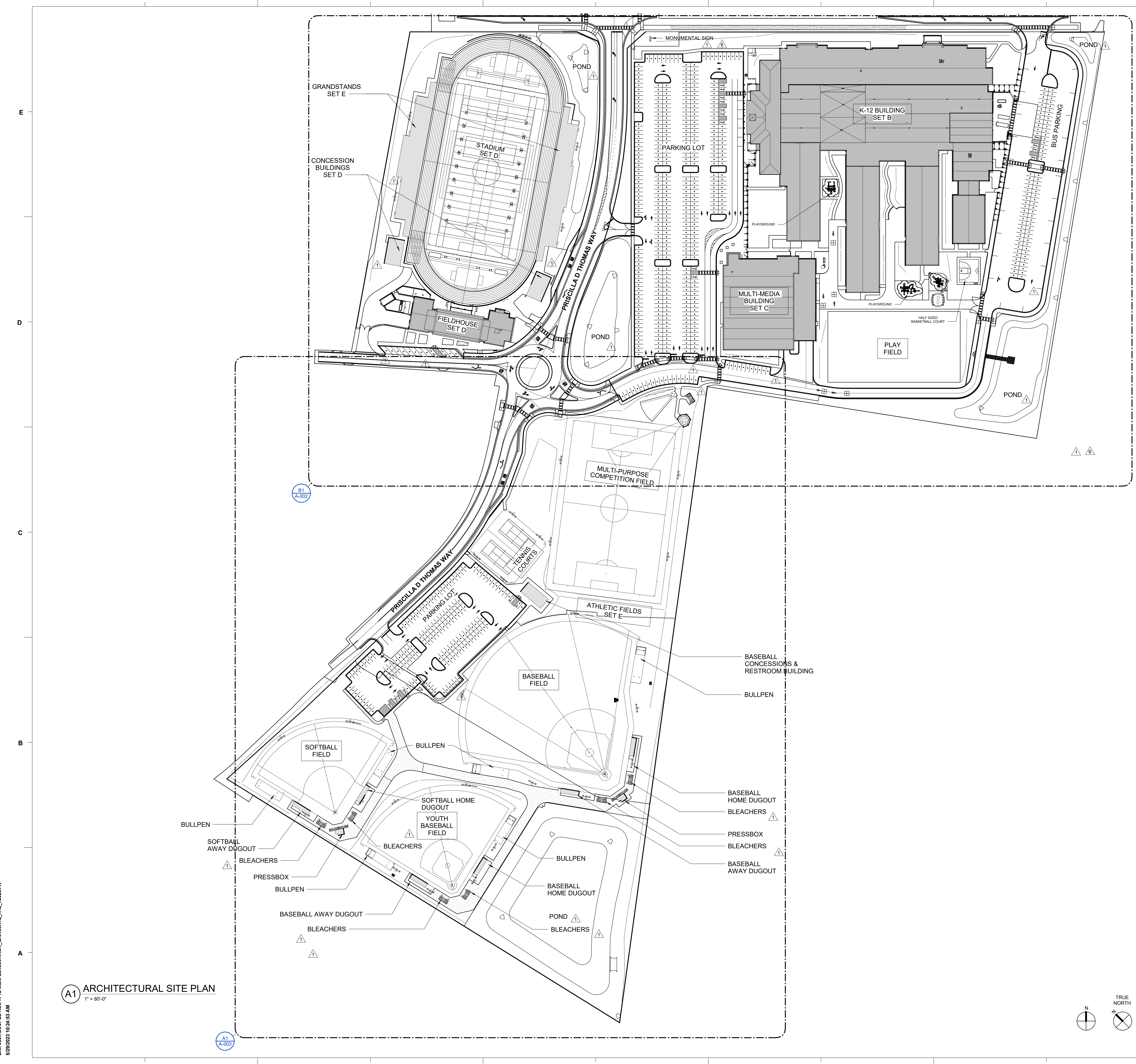
S SINGLE LAP CONDITION ON T/CMU
 1" = 1'-0"

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 5/26/2023 9:50:10 AM

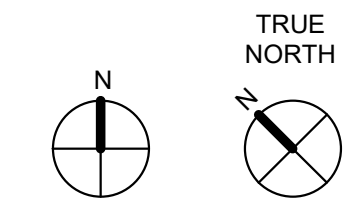
REVISIONS:

No.	Description	Date
1	Addendum 3	10/30/20
6	Post Bid Addendum 1	4/20/21

PROJECT: 5201-192070
 DATE: 10/09/2020
 DRAWN BY: Author
 CHECKED BY: AWM



A1 ARCHITECTURAL SITE PLAN
 1" = 80'-0"



BIM 360/SCCPSS New K-12 Multi-School/ARCH_GrovesK12_K12_v2020.rvt
 5/29/2023 10:24:53 AM

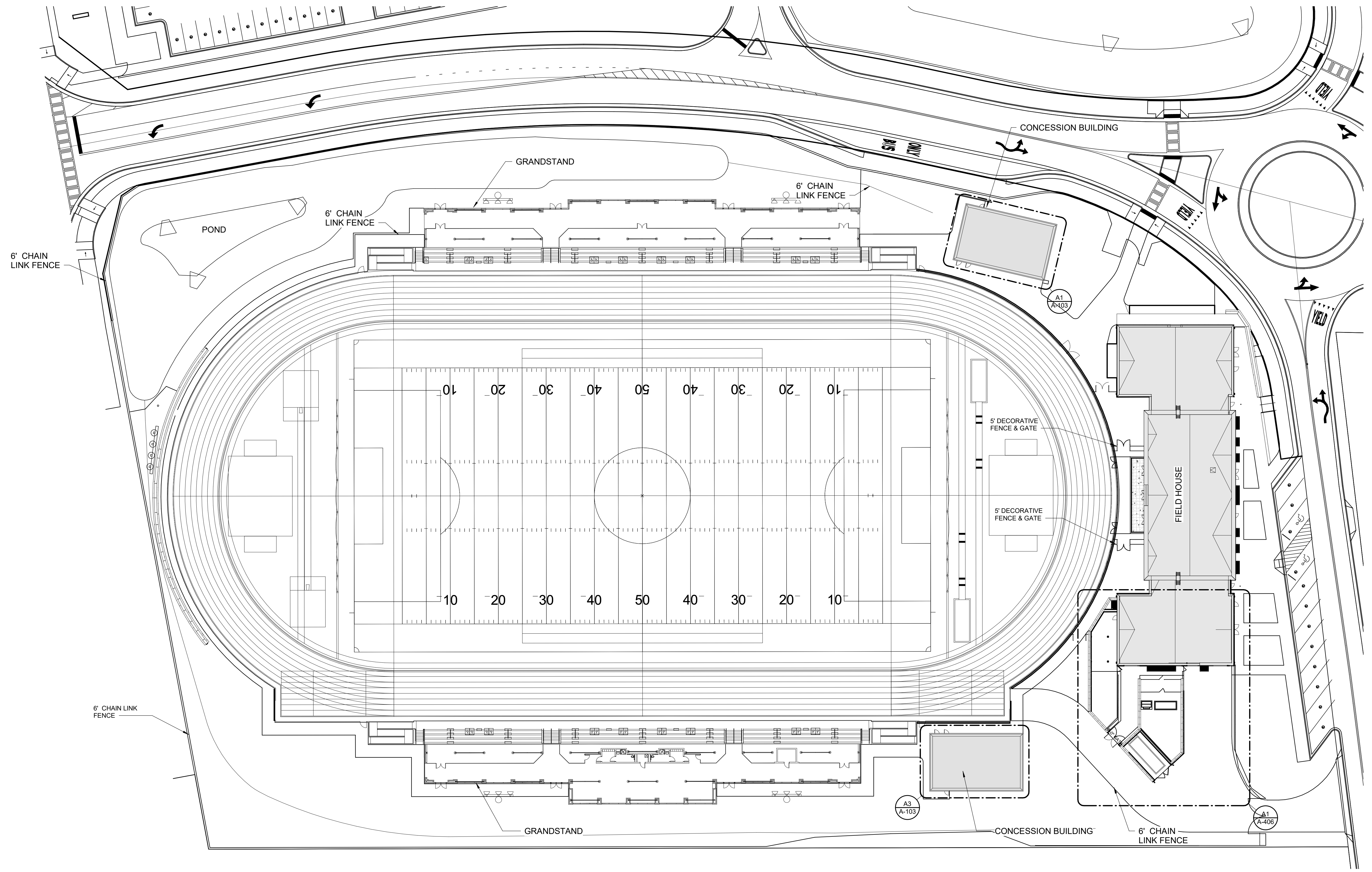
REVISIONS:

No.	Description	Date

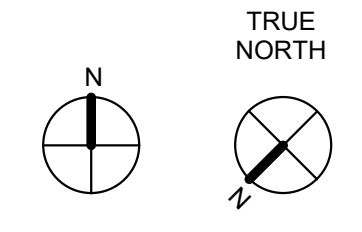
PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: Author
CHECKED BY: AWM

ARCHITECTURAL
SITE PLAN -
ENLARGED

A-002



A1 ENLARGED SITE PLAN - FIELD HOUSE
1" = 30'-0"



B:\360\5201-192070\SCCPSS NEW K-12\ATHLETICS\ARCH_GrovesK12_Fieldhouse_NEW.rvt
5/29/2023 11:02:39 AM

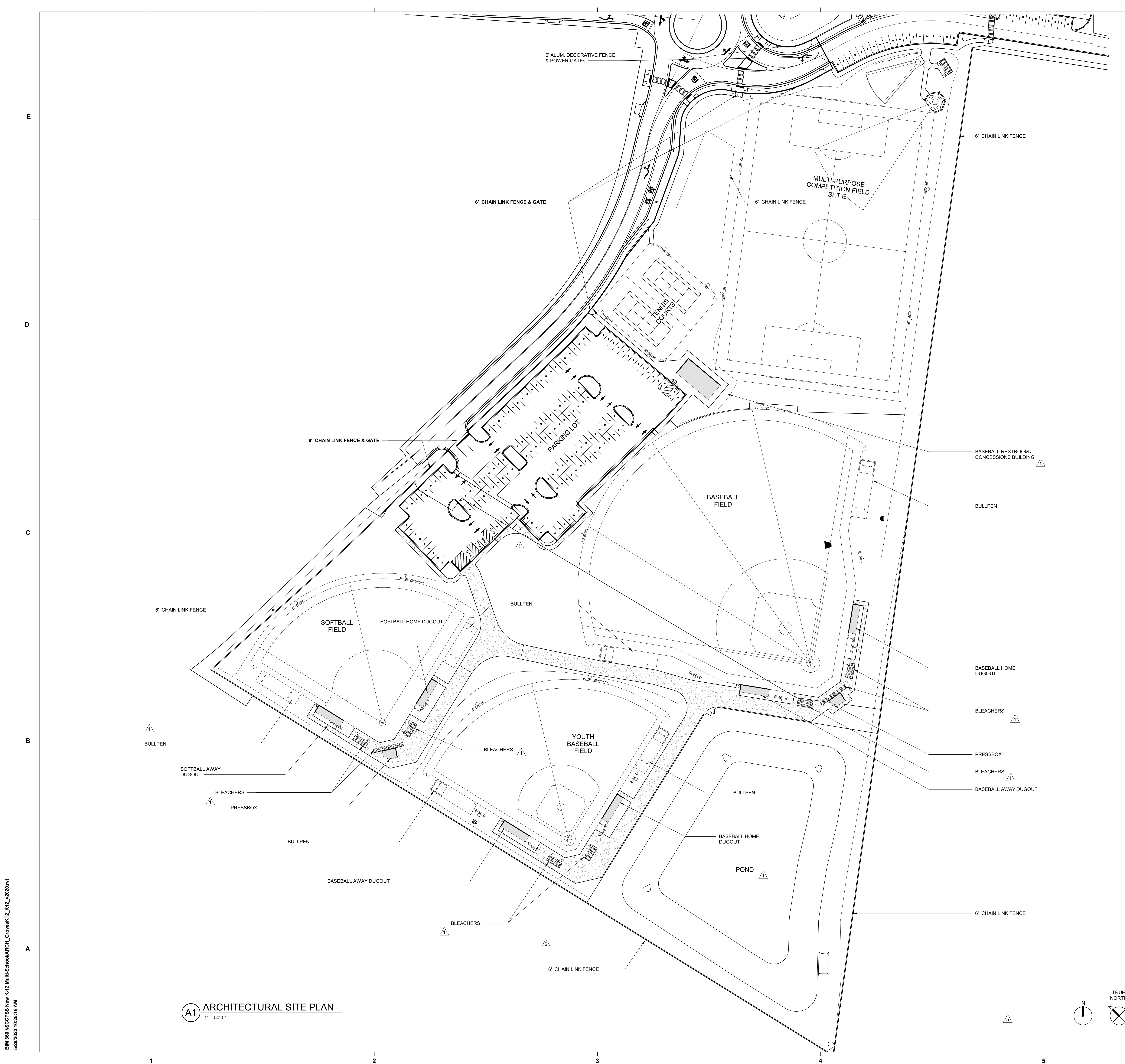
REVISIONS:

No.	Description	Date
1	Addendum 3	10/30/20
5	Addendum 7	11/13/20
6	Post Bid Addendum 1	4/20/21

PROJECT: 5201-192070
DATE: 10/09/2020
DRAWN BY: Author
CHECKED BY: AWM

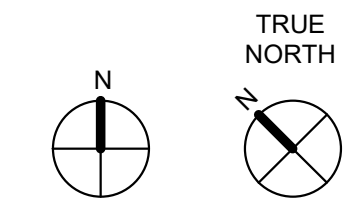
ARCHITECTURAL
SITE PLAN -
SOUTH

A-003



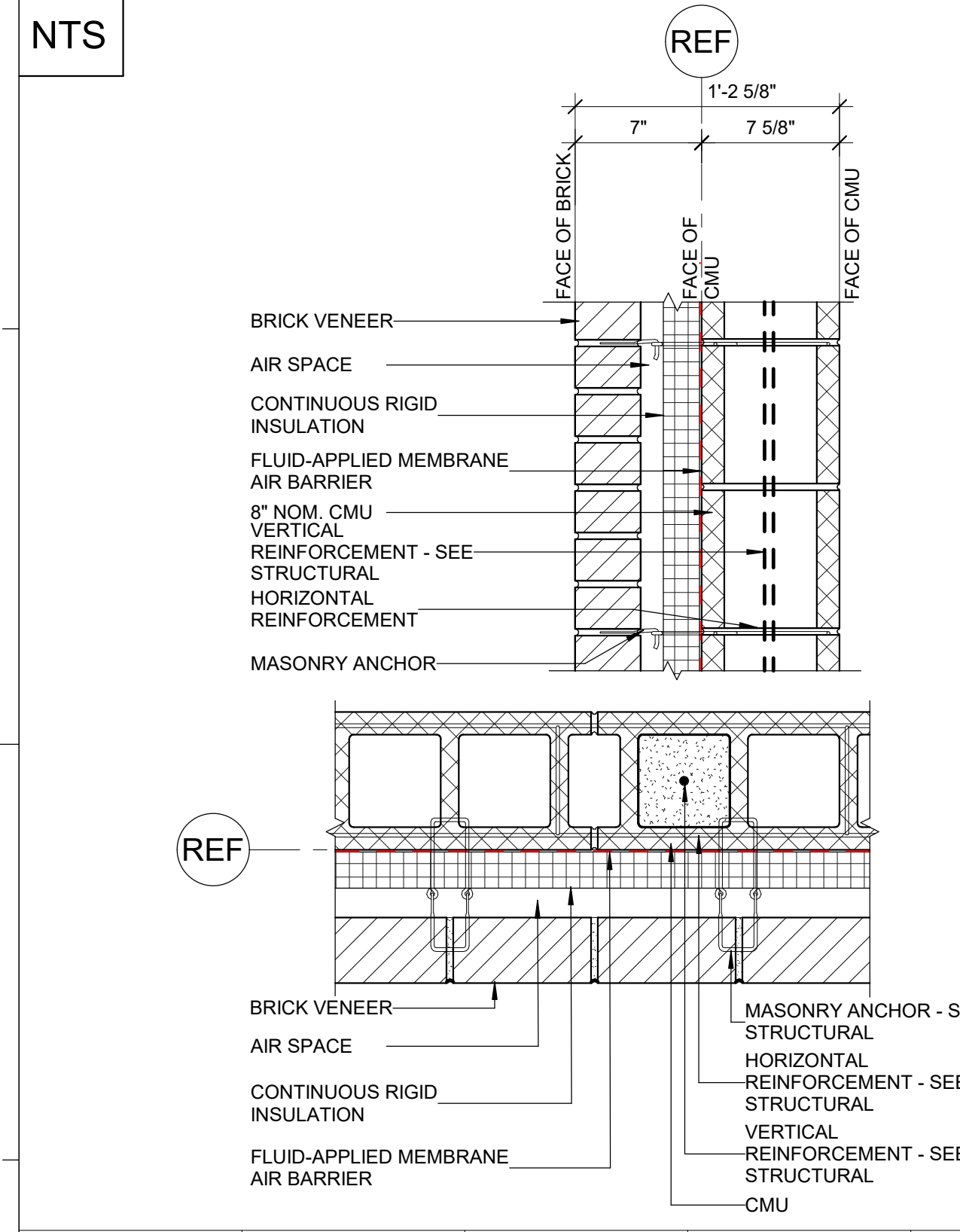
BIM 360/SCCPSS New K-12 Multi-School/ARCH_GrovesK12_K12_v2020.rvt
 5/29/2023 10:25:16 AM

(A1) ARCHITECTURAL SITE PLAN
1" = 50'-0"



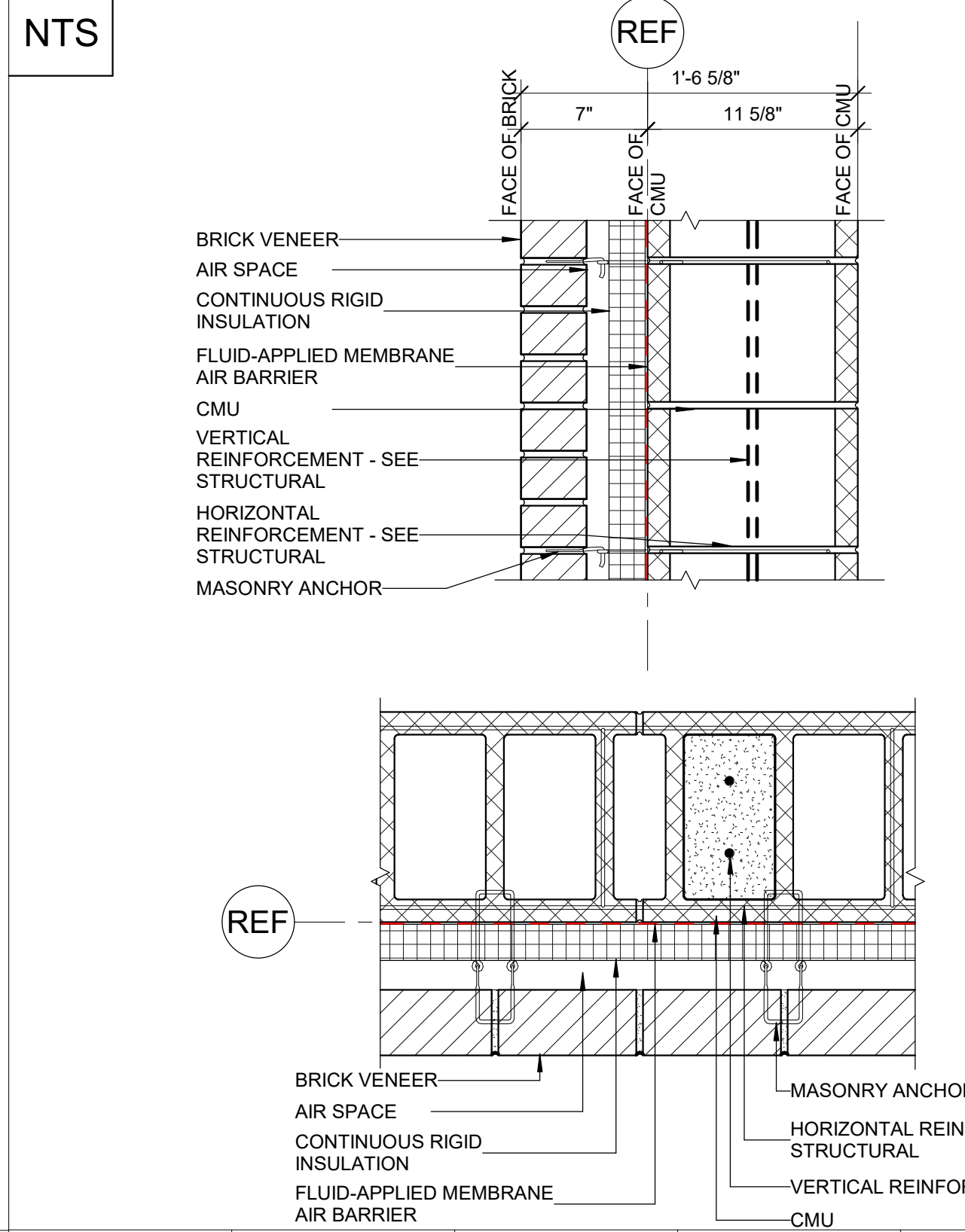
1 2 3 4 5 6

W1 BRICK VENEER / CI / 8" CMU BACK UP WALL



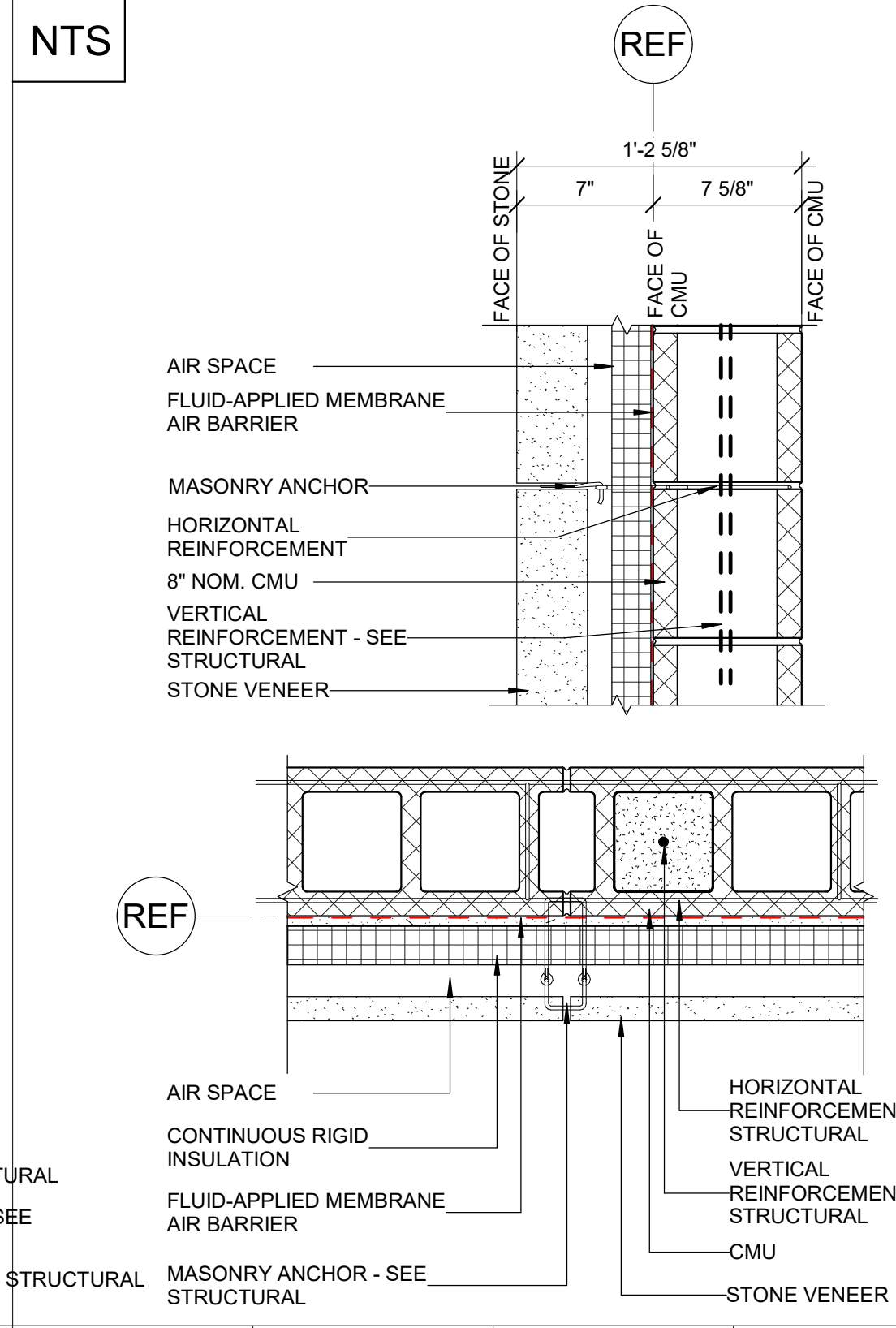
FIRE RATING & REFERENCE	NON COMBUSTIBLE	MUST COMPLY WITH NFPA 285	EFFECTIVE R VALUE	R-12.72
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W2 BRICK VENEER / CI / 12" CMU BACK UP WALL



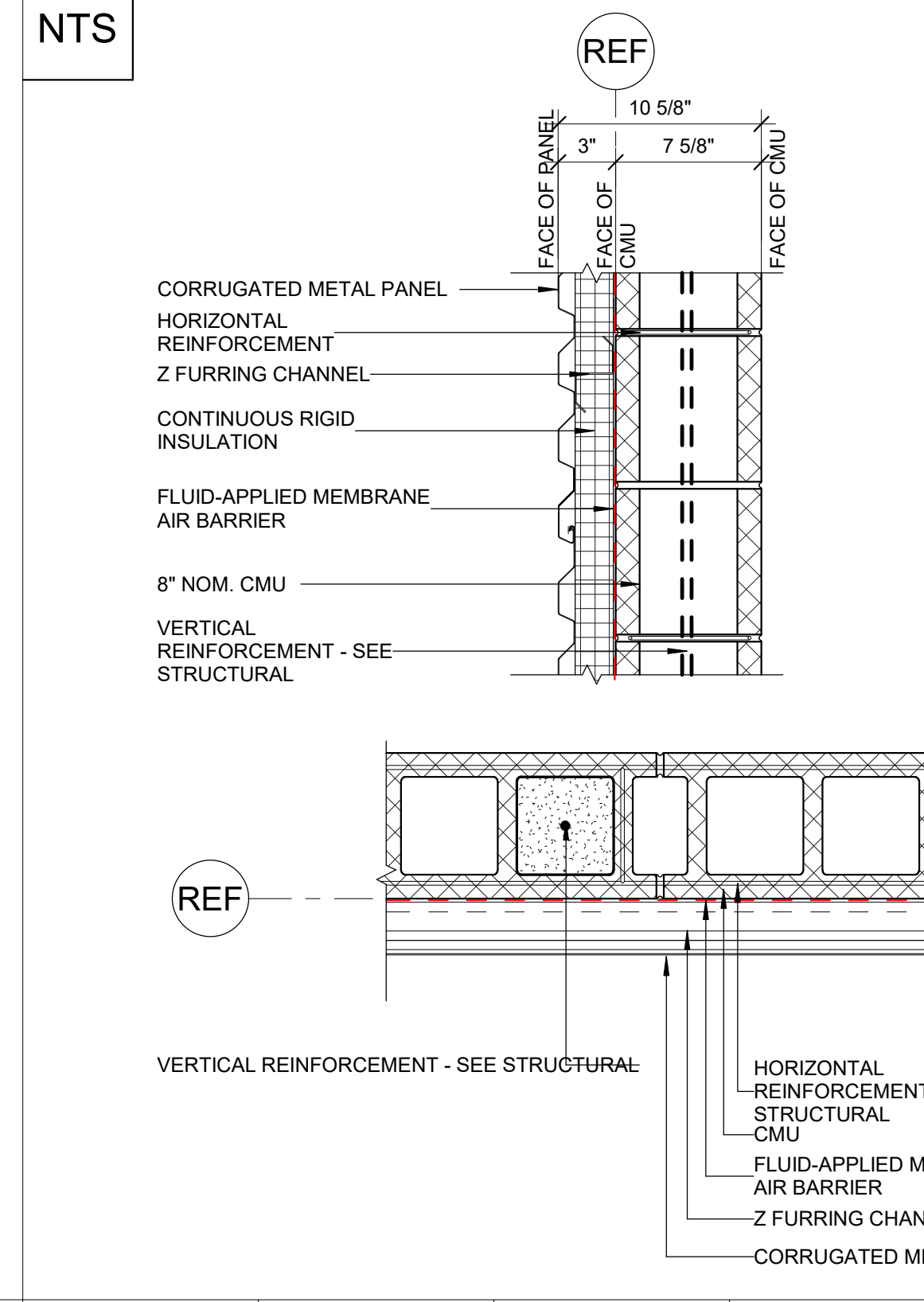
FIRE RATING & REFERENCE	NON COMBUSTIBLE	MUST COMPLY WITH NFPA 285	EFFECTIVE R VALUE	R-12.72
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W3 CAST STONE / 8" CMU BACKUP WALL



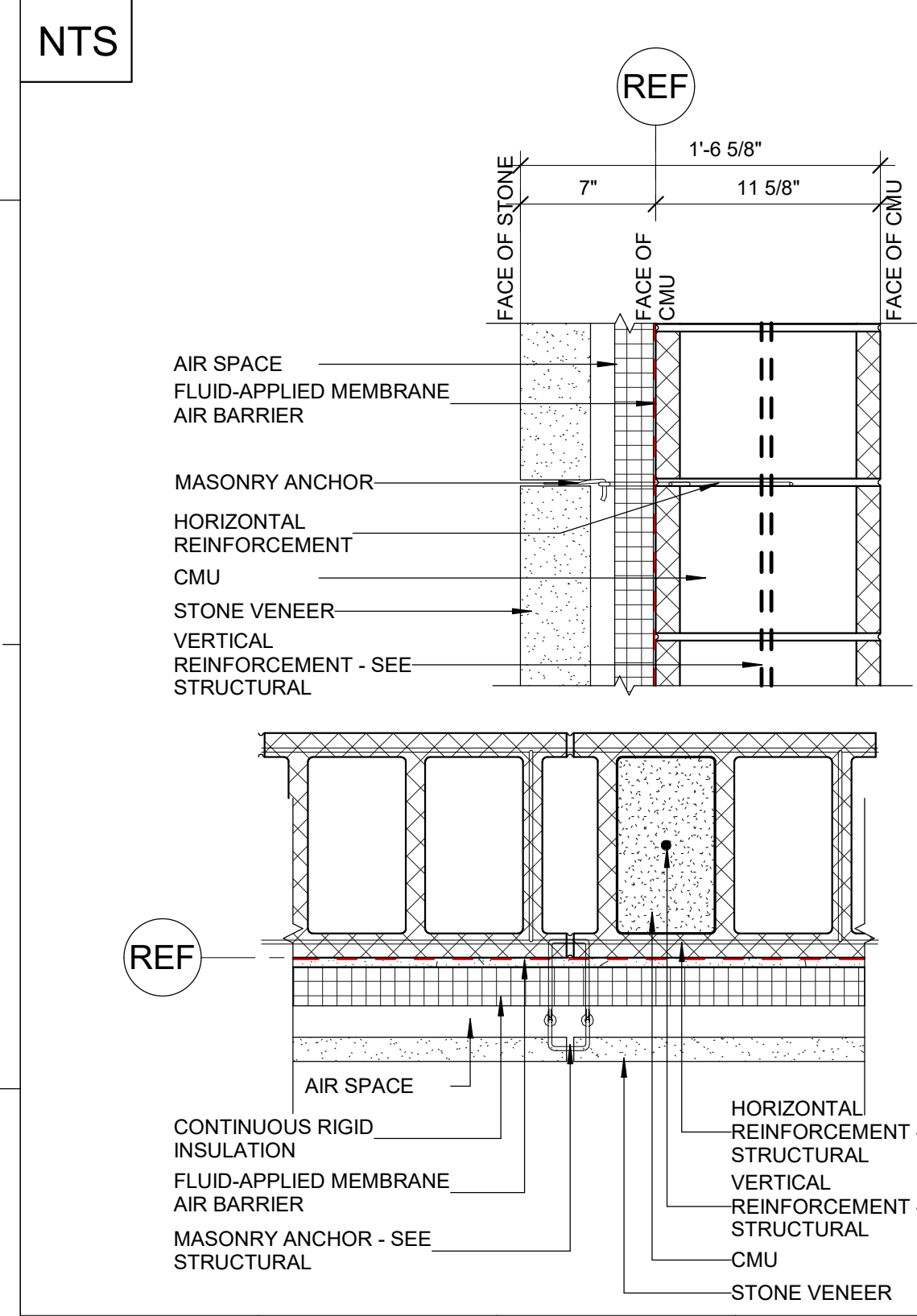
FIRE RATING & REFERENCE	NON COMBUSTIBLE	MUST COMPLY WITH NFPA 285	EFFECTIVE R VALUE	R-12.72
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W4 METAL PANEL / 8" CMU BACK UP WALL



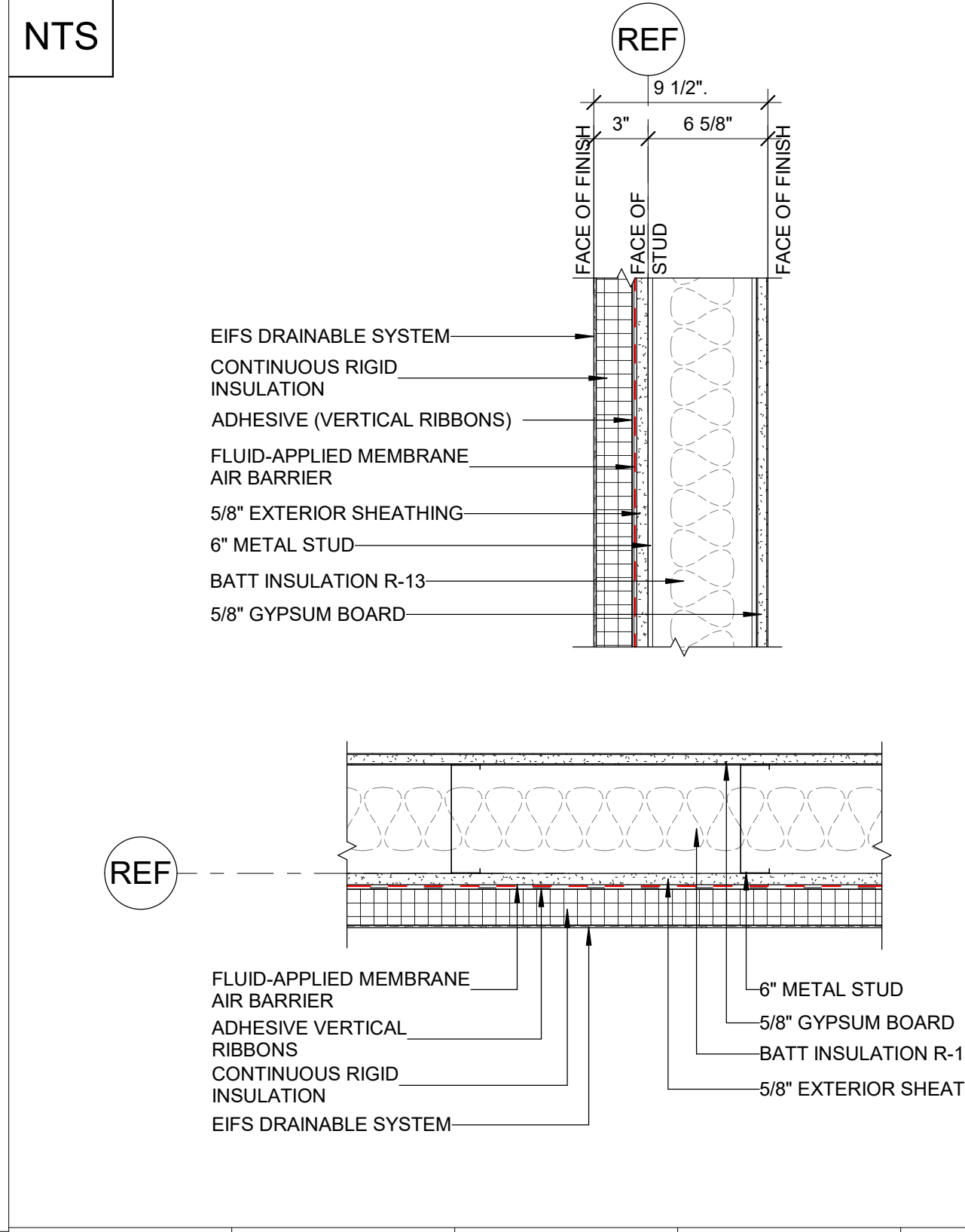
FIRE RATING & REFERENCE	NON COMBUSTIBLE	MUST COMPLY WITH NFPA 285	EFFECTIVE R VALUE	R-12.72
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W5 CAST STONE / 12" CMU BACKUP WALL



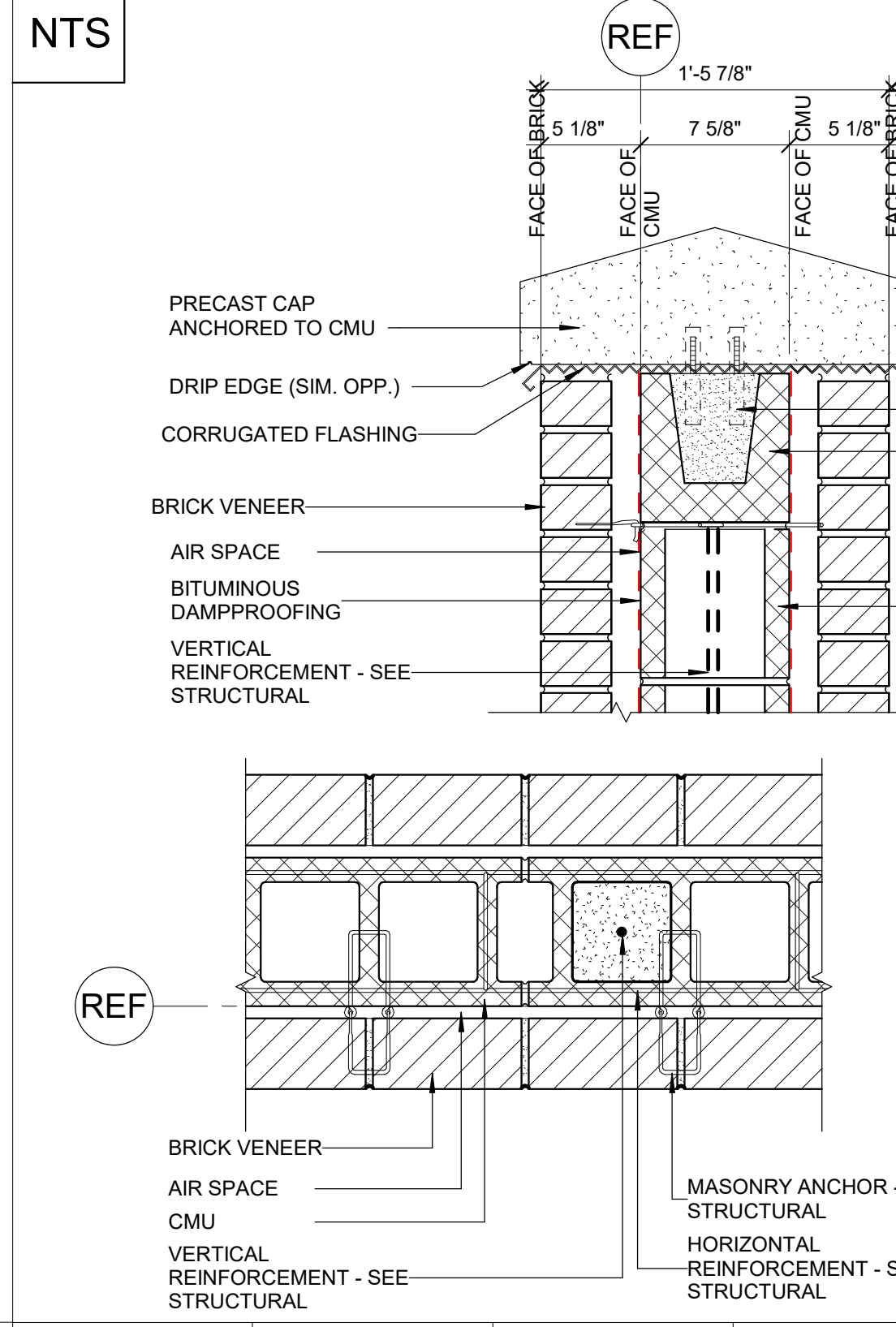
FIRE RATING & REFERENCE	NON COMBUSTIBLE	MUST COMPLY WITH NFPA 285	EFFECTIVE R VALUE	R-12.72
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W6 EIFS / METAL STUD BACK UP WALL



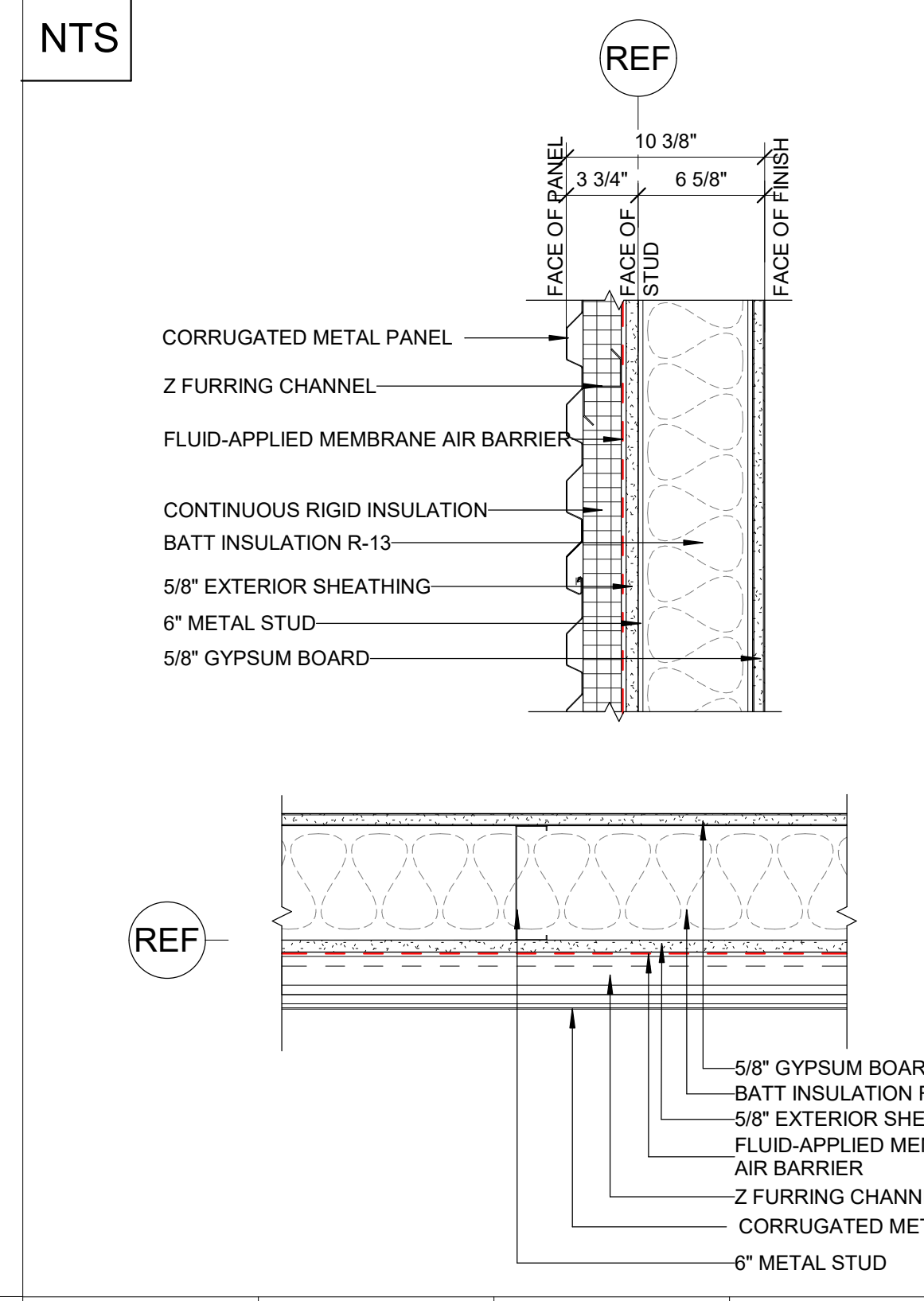
FIRE RATING & REFERENCE	NON COMBUSTIBLE	MUST COMPLY WITH NFPA 285	EFFECTIVE R VALUE	R-12.72
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W7 BRICK VENEER / 8" CMU BACK UP WALL (SCREEN WALL)



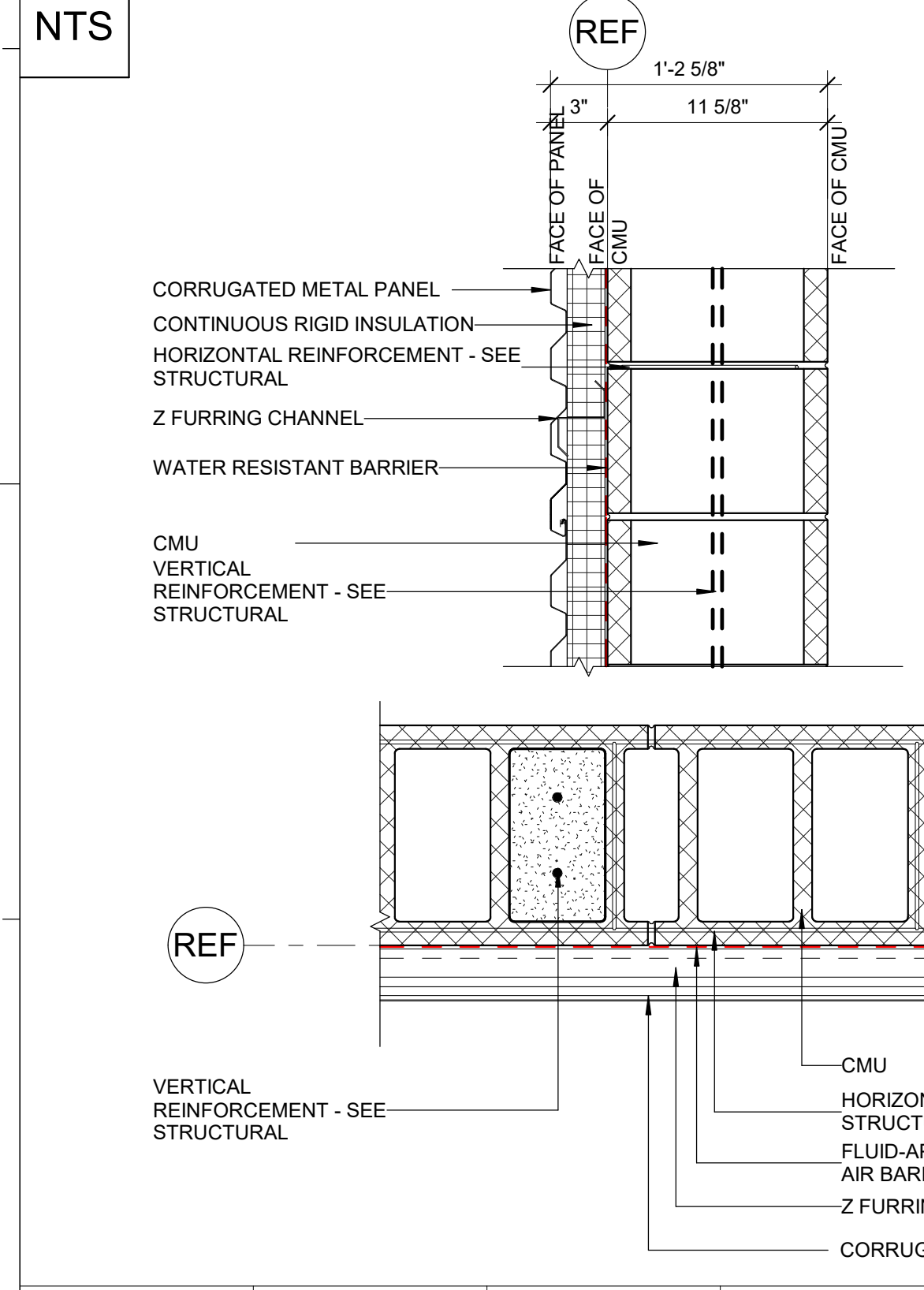
FIRE RATING & REFERENCE	NON COMBUSTIBLE	MUST COMPLY WITH NFPA 285	EFFECTIVE R VALUE	R-12.72
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W8 METAL PANEL / 6" METAL STUD BACK UP WALL



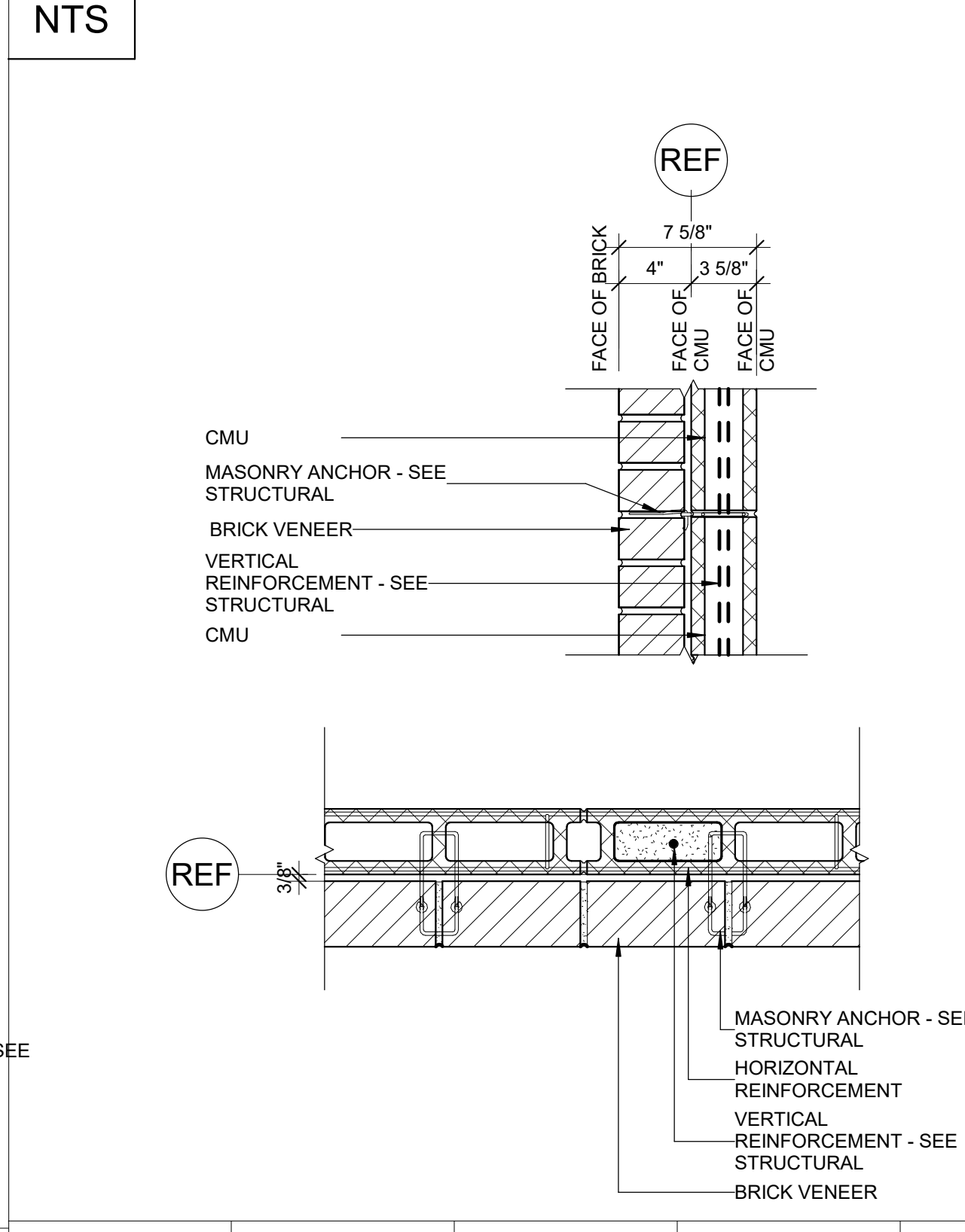
FIRE RATING & REFERENCE	NON COMBUSTIBLE	MUST COMPLY WITH NFPA 285	EFFECTIVE R VALUE	R-12.72
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W9 METAL PANEL / 12" CMU BACK UP WALL



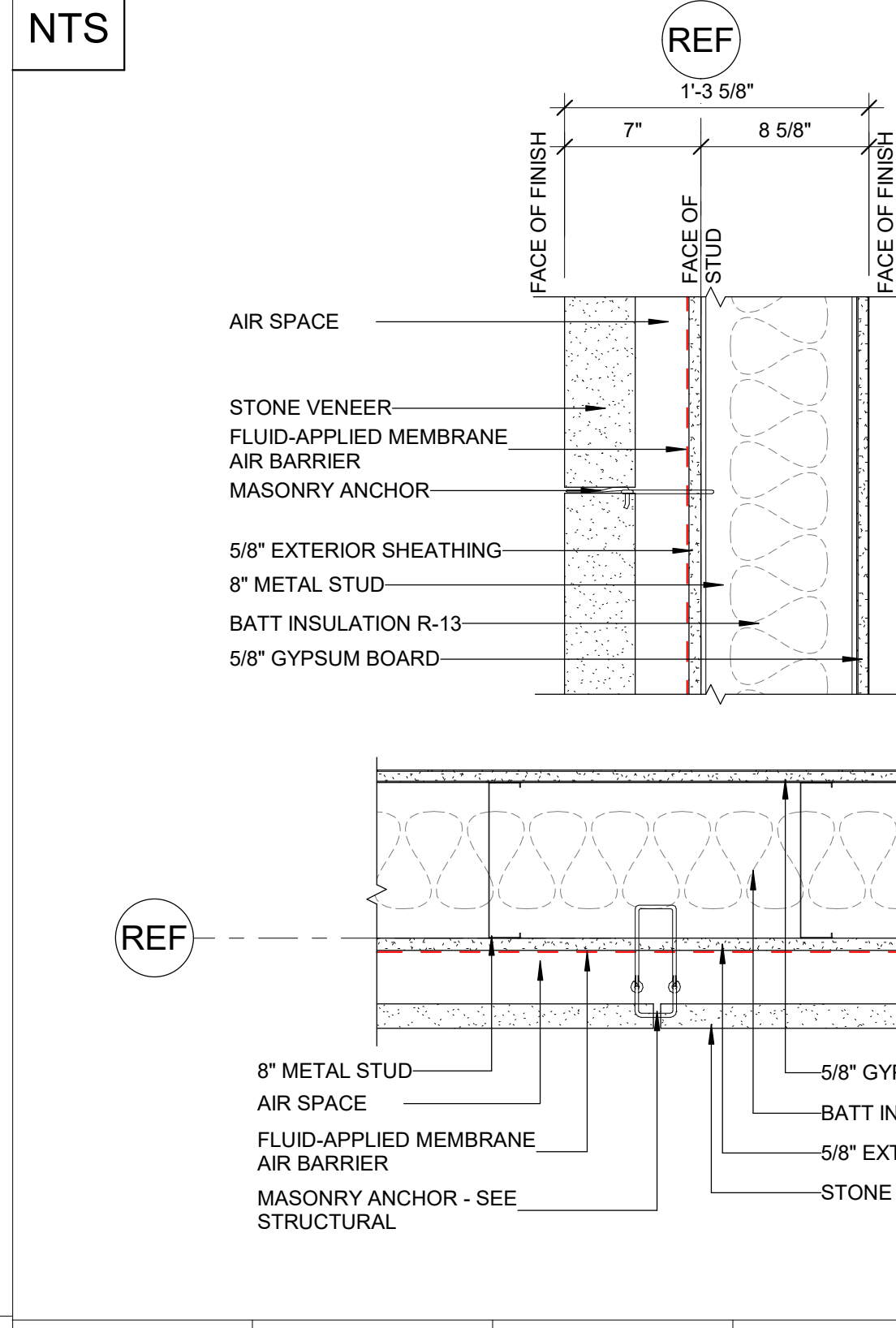
FIRE RATING & REFERENCE	NON COMBUSTIBLE	MUST COMPLY WITH NFPA 285	EFFECTIVE R VALUE	R-16.13
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W10 BRICK VENEER / 4" CMU BACK UP WALL



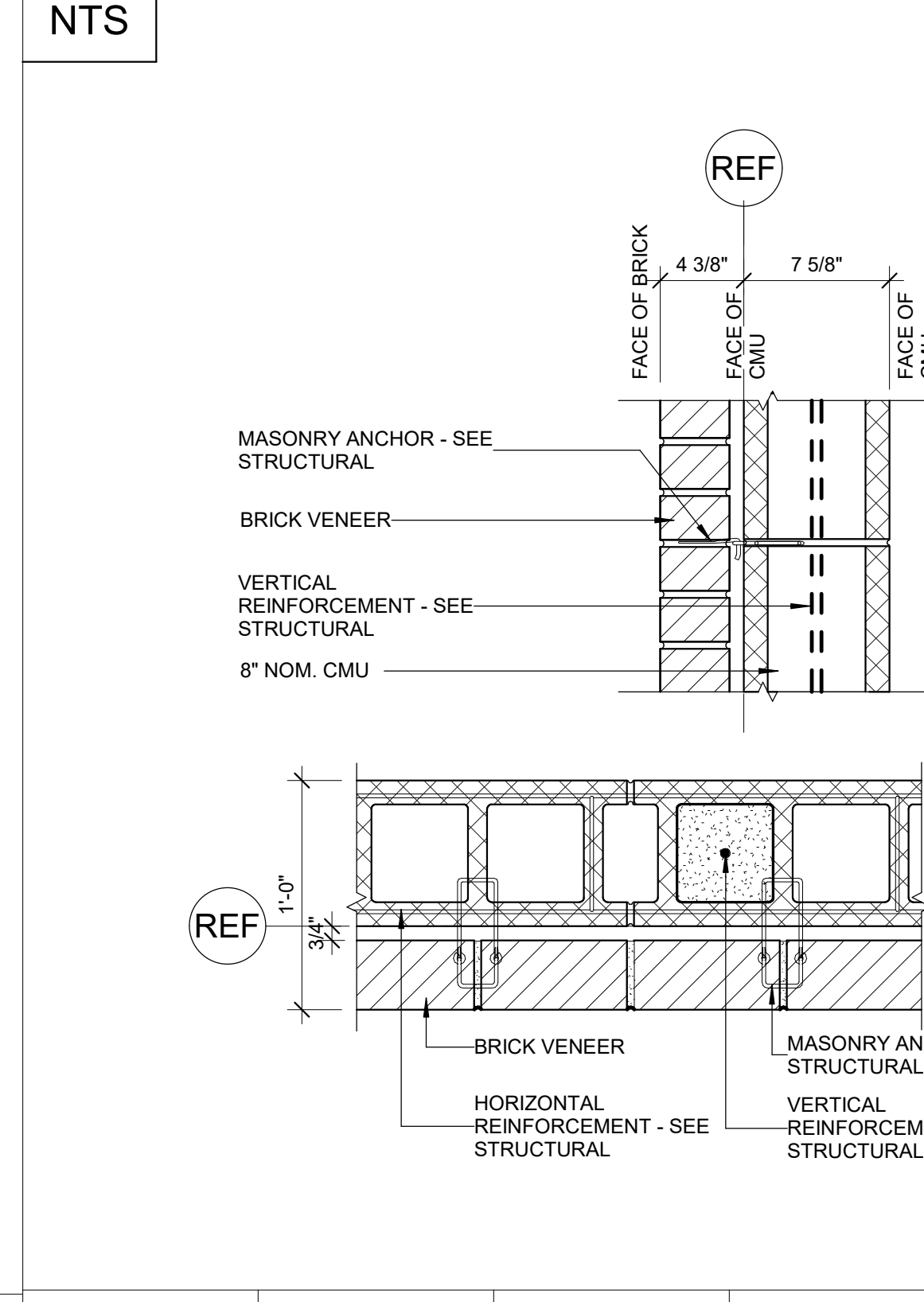
FIRE RATING & REFERENCE	NON COMBUSTIBLE	MUST COMPLY WITH NFPA 285	EFFECTIVE R VALUE	R-12.72
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W11 CAST STONE / METAL STUD BACK UP WALL



FIRE RATING & REFERENCE	NON COMBUSTIBLE	MUST COMPLY WITH NFPA 285	EFFECTIVE R VALUE	R-12.72
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W12 BRICK VENEER / 8" CMU BACK UP WALL



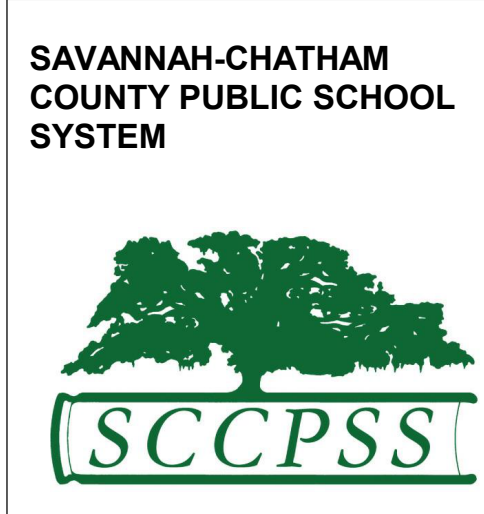
FIRE RATING & REFERENCE	NON COMBUSTIBLE	MUST COMPLY WITH NFPA 285	EFFECTIVE R VALUE	R-12.72
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GENERAL NOTES

- THE CONSTRUCTION SUBSYSTEMS AND PARTITION TYPES SHOWN INDICATE THE GENERAL CONSTRUCTION FEATURES OF THE MAJORITY OF THE CONSTRUCTION SYSTEMS TO BE PROVIDED. THEY ARE NOT INTENDED TO REPRESENT A COMPLETE LISTING OF SYSTEMS REQUIRED AND DO NOT NECESSARILY INDICATE ALL OF THE CONSTRUCTION REQUIREMENTS TO BE PROVIDED BY THE CONTRACT DOCUMENTS.
- SEE REFLECTED CEILING PLANS FOR ADDITIONAL REQUIREMENTS FOR PARTITION TYPES.
- REFERENCE FOR FIRE RESISTANCE & SOUND RATINGS:
 - COMA: CAROLINAS CONCRETE MASONRY ASSOCIATION, CONCRETE MASONRY HANDBOOK, SOUND CONTROL.
 - GA: GYPSUM ASSOCIATION, FIRE RESISTANCE DESIGN MANUAL, 11TH EDITION.
 - NOMA: NATIONAL CONCRETE MASONRY ASSOCIATION, TEK NOTES.
 - SA: SHINER AND ASSOCIATES.
 - SBCC: STANDARD BUILDING CODE CONGRESS, LATEST EDITION.
 - UL: UNDERWRITERS LABORATORY, INC. FIRE RESISTANCE DIRECTORY.
- WHERE FURRED/SINGLE FACED SYSTEMS OCCUR ON CONCRETE MASONRY UNIT WALL OR PARTITION SURFACE, PROVIDE GYPSUM BOARD TO 4" ABOVE CEILING, OR IF NO CEILING OCCURS, PROVIDE GYPSUM BOARD TO UNDERSIDE OF DECK.

NOTES

- CONCRETE MASONRY UNIT WALLS AND PARTITIONS: PROVIDE HORIZONTAL JOINT REINFORCEMENT, VERTICAL REINFORCEMENT, BOND BEAMS, GROUTING, AND ADDITIONAL REQUIREMENTS AS INDICATED BY STRUCTURAL DRAWINGS AND SPECIFICATIONS.
- COLOR, TEXTURE AND FACE PATTERN MAY VARY. SEE MISCELLANEOUS AND EXTERIOR COLOR SCHEDULE (SPEC SECT 9000), SPECIFICATIONS AND DRAWINGS FOR CLARIFICATION.
- KEEP CAVITY CLEAR OF ALL MORTAR.
- SEE FINISH SCHEDULE FOR LOCATION OF APPLIED FINISHES (SUCH AS CERAMIC TILE, WALL COVERING ETC) THAT MAY AFFECT THE PARTITION SURFACE AND CONSTRUCTION REQUIREMENTS.
- WHERE CERAMIC TILE AND CEMENTITIOUS BACKER UNIT ARE NOT SCHEDULED TO BE FULL HEIGHT OF PARTITION, PROVIDE GYPSUM BOARD (TYPE X @ RATED PARTITIONS) @ THOSE PORTIONS OF THE PARTITION NOT SCHEDULED TO RECEIVE CERAMIC TILE. CEMENTITIOUS BACKER UNIT TO BE SAME THICKNESS AS GYPSUM BOARD.
- PROVIDE FIRE RATED CMU (OR EQUIVALENT) WHERE PARTITION INDICATED TO BE FIRE RATED ON REFLECTED CEILING PLANS. RATED PARTITION TO MEET CONSTRUCTION REQUIREMENTS OF FIRE RATING REFERENCE LISTED.
- PROVIDE MANUFACTURER'S PROPRIETARY TYPE 'X' GYPSUM BOARD (MEETING THE DESIGNATED FIRE REFERENCE LISTED) WHERE PARTITION IS INDICATED TO BE FIRE RATED ON REFLECTED CEILING PLANS. RATED PARTITION TO MEET CONSTRUCTION REQUIREMENTS OF FIRE RATING REFERENCE LISTED.
- PROVIDE ACOUSTICAL SEALANT (92520 K) AT PERIMETER OF ALL SOUND RATED PARTITIONS AND AT ALL PARTITION PENETRATIONS. IF PARTITION IS FIRE RATED, PROVIDE UL LABELED FIRESTOPPING IN PLACE OF ACOUSTICAL SEALANT. AT PARTITIONS THAT ARE SOUND AND FIRE RATED, PROVIDE ACOUSTICAL SEALANT AT PARTITION PENETRATIONS THAT DO NOT REQUIRE FIRESTOPPING (EXAMPLE: DUCT PENETRATIONS WITH FIRE DAMPERS).



RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE



321 WEST CONGRESS STREET SUITE 301
SAVANNAH, GEORGIA 31401
TEL. 912.695.2111 FAX 912.298.0206
WWW.LS3P.COM



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REVISIONS:

No.	Description	Date
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PROJECT: 5201-192070
DATE: 10/09/2020
DRAWN BY: Author
CHECKED BY: AWM

CONSTRUCTION SUBSYSTEMS

A-004

CONSTRUCTION SET

BIM 360/SCCPSS New K12 Multi-School/ARCH_GrovesK12_K12_v2020.rvt
5/29/2023 10:25:21 AM

B:\360\SCCPSS New K12 Multi-School\ARCH_GrowesK12_K12_2020.rvt
5/29/2023 10:25:28 AM

S1 TYPICAL SLAB ON GRADE CONSTRUCTION

03 30 00 CAST-IN-PLACE CONCRETE

S2 TYPICAL SECOND FLOOR CONST. [NONCOMBUSTIBLE]

(SEE STRUCTURAL DRAWINGS)

051200 A STEEL BEAM OR STEEL JOIST (SEE STRUCTURAL DRAWINGS)

S3 TYPICAL SECOND FLOOR CONST. [2 HOUR FIRE RATING]

UL D780

033000 A CAST IN PLACE CONCRETE

053100 B FLOOR DECK (SEE STRUCTURAL DRAWINGS)

078100 B SPRAYED FIRE-RESISTANT MATERIAL (UL#)

051200 A STEEL BEAM OR STEEL JOIST (SEE STRUCTURAL DRAWINGS)

S4 TYPICAL SECOND FLOOR CONST. [2 HOUR FIRE RATING]

UL D902

033000 N CONCRETE SLAB ON STEEL DECK

053100 B FLOOR DECK (SEE STRUCTURAL DRAWINGS)

078100 B SPRAYED FIRE-RESISTANT MATERIAL (STRUCTURAL FRAMING ONLY)

051200 A STEEL BEAM OR STEEL JOIST (SEE STRUCTURAL DRAWINGS)

S5 PRE-CAST HOLLOW CORE FLOOR [NONCOMBUSTIBLE]

2" TOPPING SLAB

PRE-CAST CONCRETE HOLLOW CORE PLANK - SEE STRUCTURAL

S6 PRE-CAST HOLLOW CORE FLOOR [2-HR]

2" TOPPING SLAB

PRE-CAST CONCRETE HOLLOW CORE PLANK - SEE STRUCTURAL

SPRAYED FIRE-RESISTANT MATERIAL

S7 ATHLETIC WOOD FLOORING SYSTEM

09 64 66 WOOD ATHLETIC FLOORING

03 30 00 CAST-IN-PLACE CONCRETE

REFER TO MANUF. SPECS FOR THICKNESS

S8 STAGE WOOD FLOORING SYSTEM

3/4 PLYWOOD SUBFLOOR

03 30 00 CAST-IN-PLACE CONCRETE

24" O.C.

R1 PVC MEMBRANE / METAL DECK (1 HOUR)

PVC MEMBRANE ROOFING

LIGHTWEIGHT INSULATING CONCRETE

CONTINUOUS RIGID INSULATION, STEPPED AS REQUIRED TO CREATE ROOF SLOPE

CORRUGATED VENTED METAL DECKING - SEE STRUCTURAL

SPRAYED FIRE-RESISTANT MATERIAL

STEEL BEAM OR STEEL JOIST, SEE STRUCTURAL

FIRE RATING & REFERENCE	1 HOUR***	UL (TBD)	SOUND RATING & REFERENCE	EFFECTIVE R VALUE FOR SYSTEM	25.0
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R3 PVC MEMBRANE / METAL DECK (NC)

PVC MEMBRANE ROOFING

LIGHTWEIGHT INSULATING CONCRETE

CONTINUOUS RIGID INSULATION, STEPPED AS REQUIRED TO CREATE ROOF SLOPE

CORRUGATED VENTED METAL DECKING - SEE STRUCTURAL

STEEL BEAM OR STEEL JOIST, SEE STRUCTURAL

FIRE RATING & REFERENCE	NON COMBUSTIBLE		SOUND RATING & REFERENCE	EFFECTIVE R VALUE FOR SYSTEM	25.0
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R4 PVC MEMBRANE / TECTUM DECK (NC)

PVC MEMBRANE ROOFING

LIGHTWEIGHT INSULATING CONCRETE

CONTINUOUS RIGID INSULATION, STEPPED AS REQUIRED TO CREATE ROOF SLOPE

CEMENTITIOUS WOOD-FIBER DECK

STEEL BEAM OR STEEL JOIST, SEE STRUCTURAL

FIRE RATING & REFERENCE	NON COMBUSTIBLE		SOUND RATING & REFERENCE	EFFECTIVE R VALUE FOR SYSTEM	25.0
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R6 METAL ROOF / METAL FRAMING (NC)

PRE-FINISHED PRE-FORMED STANDING SEAM METAL ROOF PANELS

ROOFING UNDERLAYMENT, HIGH TEMPERATURE (ICE & WATER SHIELD)

1-1/2" CONTINUOUS RIGID INSULATION

VAPOR BARRIER

CORRUGATED METAL DECKING - SEE STRUCTURAL

PRE-ENGINEERED METAL ROOF TRUSS, SEE STRUCTURAL

FIRE RATING & REFERENCE	NON COMBUSTIBLE		SOUND RATING & REFERENCE	EFFECTIVE R VALUE FOR SYSTEM	-
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R8 PVC MEMBRANE / METAL DECK (1 HOUR)

PVC MEMBRANE ROOFING

COVER BOARD

CONTINUOUS RIGID INSULATION, STEPPED AS REQUIRED TO CREATE ROOF SLOPE

CORRUGATED VENTED METAL DECKING - SEE STRUCTURAL

SPRAYED FIRE-RESISTANT MATERIAL

STEEL BEAM OR STEEL JOIST, SEE STRUCTURAL

FIRE RATING & REFERENCE	1 HOUR***	UL (TBD)	SOUND RATING & REFERENCE	EFFECTIVE R VALUE FOR SYSTEM	25.0
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R2 LIGHTWEIGHT CONCRETE / METAL DECK (1 HOUR)

LIGHTWEIGHT INSULATING CONCRETE

CONTINUOUS RIGID INSULATION, STEPPED AS REQUIRED TO CREATE ROOF SLOPE

CORRUGATED VENTED METAL DECKING - SEE STRUCTURAL

SPRAYED FIRE-RESISTANT MATERIAL

STEEL BEAM OR STEEL JOIST, SEE STRUCTURAL

FIRE RATING & REFERENCE	1 HOUR***	UL (TBD)	SOUND RATING & REFERENCE	EFFECTIVE R VALUE FOR SYSTEM	25.0
-------------------------	-----------	----------	--------------------------	------------------------------	------

R5 LIGHTWEIGHT CONCRETE / TECTUM DECK (NC)

LIGHTWEIGHT INSULATING CONCRETE, STEPPED AS REQUIRED TO CREATE ROOF SLOPE

CONTINUOUS RIGID INSULATION, STEPPED AS REQUIRED TO CREATE ROOF SLOPE

CEMENTITIOUS WOOD-FIBER DECK

STEEL BEAM OR STEEL JOIST, SEE STRUCTURAL

FIRE RATING & REFERENCE	NON COMBUSTIBLE		SOUND RATING & REFERENCE	EFFECTIVE R VALUE FOR SYSTEM	25.0
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GENERAL NOTES

A. THE CONSTRUCTION SUBSYSTEMS AND PARTITION TYPES SHOWN INDICATE THE GENERAL CONSTRUCTION FEATURES OF THE MAJORITY OF THE CONSTRUCTION SYSTEMS TO BE PROVIDED. THEY ARE NOT INTENDED TO REPRESENT A COMPLETE LISTING OF SYSTEMS REQUIRED AND DO NOT NECESSARILY INDICATE ALL OF THE CONSTRUCTION REQUIREMENTS TO BE PROVIDED BY THE CONTRACT DOCUMENTS.

B. SEE REFLECTED CEILING PLANS FOR ADDITIONAL REQUIREMENTS FOR PARTITION TYPES.

C. REFERENCE FOR FIRE RESISTANCE & SOUND RATINGS:
 CMA: CAROLINAS CONCRETE MASONRY ASSOCIATION, CONCRETE MASONRY HANDBOOK, SOUND CONTROL
 GA: GYPSUM ASSOCIATION, FIRE RESISTANCE DESIGN MANUAL, 11TH EDITION
 NCMA: NATIONAL CONCRETE MASONRY ASSOCIATION, TEK NOTES
 SA: SHINER AND ASSOCIATES
 SBCC: STANDARD BUILDING CODE CONGRESS, LATEST EDITION
 UL: UNDERWRITERS LABORATORY, INC., FIRE RESISTANCE DIRECTORY

D. WHERE FURRED/SINGLE FACED SYSTEMS OCCUR ON CONCRETE MASONRY UNIT WALL OR PARTITION SURFACE, PROVIDE GYPSUM BOARD TO 4" ABOVE CEILING, OR IF NO CEILING OCCURS, PROVIDE GYPSUM BOARD TO UNDERSIDE OF DECK.

NOTES

- CONCRETE MASONRY UNIT WALLS AND PARTITIONS: PROVIDE HORIZONTAL JOINT REINFORCEMENT, VERTICAL REINFORCEMENT, BOND BEAMS, GROUTING, AND ADDITIONAL REQUIREMENTS AS INDICATED BY STRUCTURAL DRAWINGS AND SPECIFICATIONS.
- COLOR, TEXTURE AND FACE PATTERN MAY VARY. SEE MISCELLANEOUS AND EXTERIOR COLOR SCHEDULE (SPEC SECT 9000), SPECIFICATIONS AND DRAWINGS FOR CLARIFICATION.
- KEEP CAVITY CLEAR OF ALL MORTAR.
- SEE FINISH SCHEDULE FOR LOCATION OF APPLIED FINISHES (SUCH AS CERAMIC TILE, WALL COVERING, ETC) THAT MAY AFFECT THE PARTITION SURFACE AND CONSTRUCTION REQUIREMENTS.
- WHERE CERAMIC TILE AND CEMENTITIOUS BACKER UNIT ARE NOT SCHEDULED TO BE FULL HEIGHT OF PARTITION, PROVIDE GYPSUM BOARD (TYPE X @ RATED PARTITIONS) @ THOSE PORTIONS OF THE PARTITION NOT SCHEDULED TO RECEIVE CERAMIC TILE. CEMENTITIOUS BACKER UNIT TO BE SAME THICKNESS AS GYPSUM BOARD.
- PROVIDE FIRE RATED CMU (OR EQUIVALENT) WHERE PARTITION INDICATED TO BE FIRE RATED ON REFLECTED CEILING PLANS. RATED PARTITION TO MEET CONSTRUCTION REQUIREMENTS OF FIRE RATING REFERENCE LISTED.
- PROVIDE MANUFACTURER'S PROPRIETARY TYPE 'X' GYPSUM BOARD (MEETING THE DESIGNATED FIRE REFERENCE LISTED) WHERE PARTITION IS INDICATED TO BE FIRE RATED ON REFLECTED CEILING PLANS. RATED PARTITION TO MEET CONSTRUCTION REQUIREMENTS OF FIRE RATING REFERENCE LISTED.
- PROVIDE ACOUSTICAL SEALANT (09250 K) AT PERIMETER OF ALL SOUND RATED PARTITIONS AND AT ALL PARTITION PENETRATIONS. IF PARTITION IS FIRE RATED, PROVIDE UL LABELED FIRESTOPPING IN PLACE OF ACOUSTICAL SEALANT. AT PARTITIONS THAT ARE SOUND AND FIRE RATED, PROVIDE ACOUSTICAL SEALANT AT PARTITION PENETRATIONS THAT DO NOT REQUIRE FIRESTOPPING (EXAMPLE: DUCT PENETRATIONS WITH FIRE DAMPERS).

SAVANNAH-CHATHAM COUNTY PUBLIC SCHOOL SYSTEM

RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE

LS3P

321 WEST CONGRESS STREET SUITE 301
SAVANNAH, GEORGIA 31401
TEL. 912.695.2111 FAX 912.298.0206
WWW.LS3P.COM

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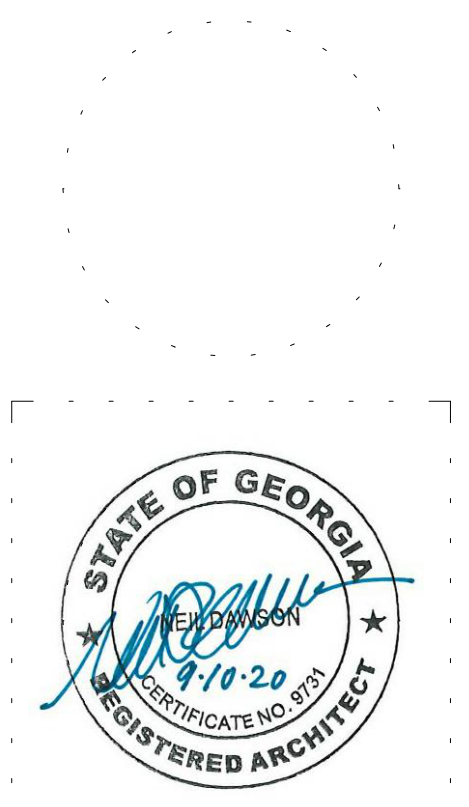
No.	Description	Date
4	Addendum 6	11/11/20

PROJECT: 5201-192070
DATE: 10/09/2020
DRAWN BY: Author
CHECKED BY: AWM

CONSTRUCTION SUBSYSTEMS CONT.

A-005

CONSTRUCTION SET



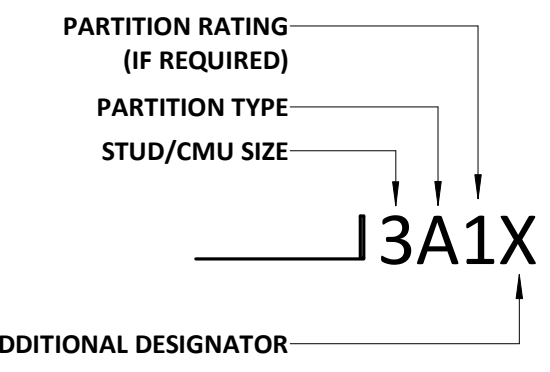
REVISIONS:

No.	Description	Date
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4	Addendum 6	11/11/20

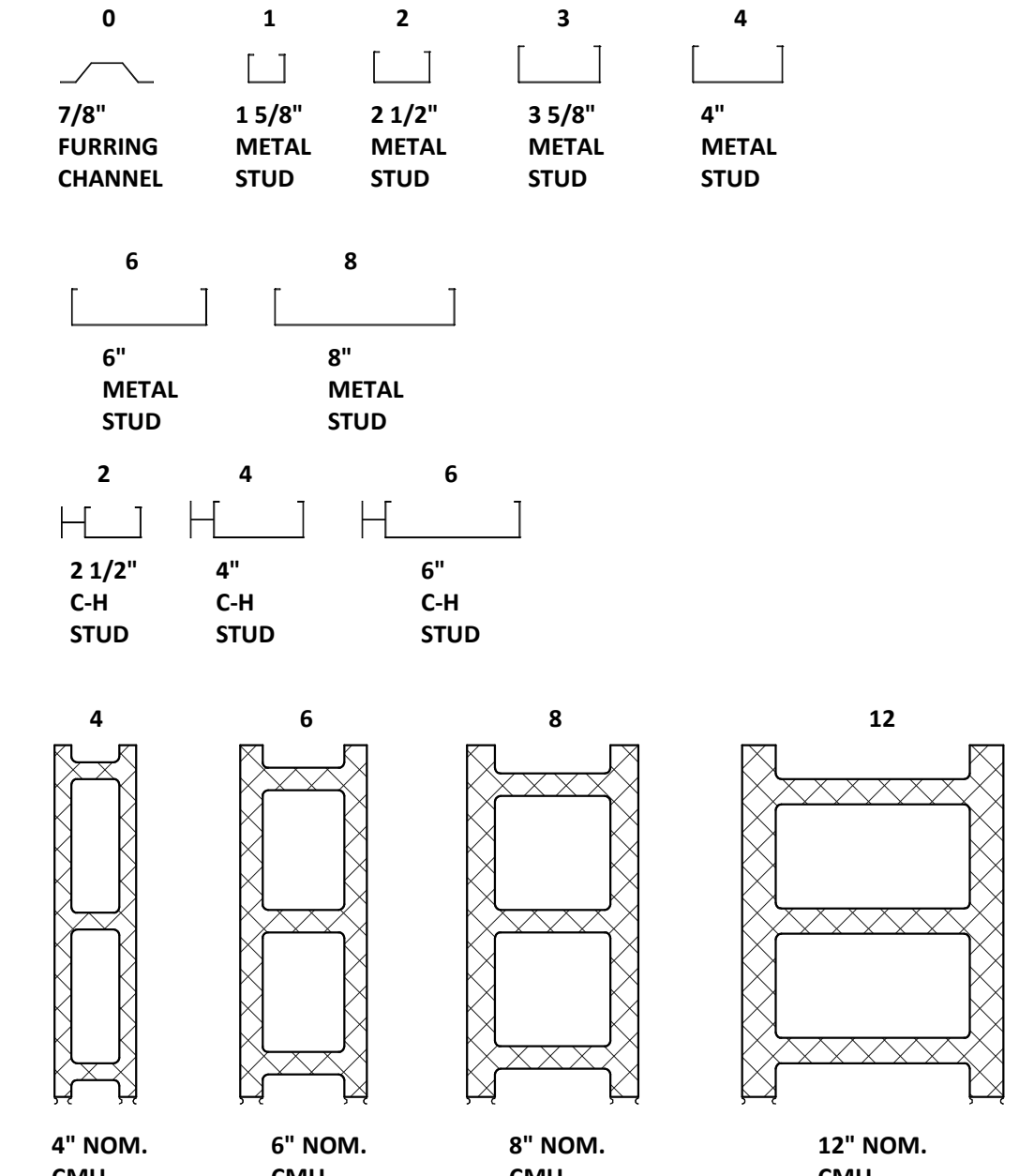
PARTITION TYPES

A-006

PARTITION TAG KEY



PARTITION MATERIAL & SIZE



PARTITION TYPES LEGEND

- A - METAL STUD BALANCED
- B - METAL STUD UNBALANCED
- C - CHASE
- F - FURRED
- M - MASONRY
- R - RESILIENT CHANNEL
- S - SHAFT
- T - CONCRETE
- W - WOOD STUD BALANCED
- X - WOOD STUD UNBALANCED
- Y - WOOD STUD FURRED

PARTITION RATING

- 1 - 1 HOUR FIRE PARTITION
- 2 - 2 HOUR FIRE PARTITION
- 3 - 3 HOUR FIRE PARTITION
- 4 - 4 HOUR FIRE PARTITION
- 5 - SMOKE PARTITION

ADDITIONAL DESIGNATORS

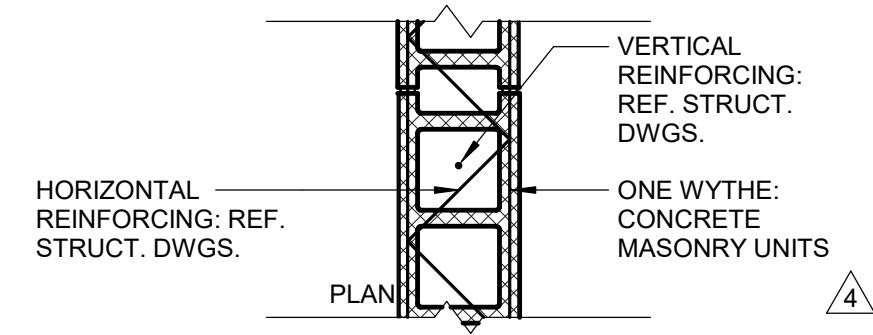
- D - EXTEND TO DECK ABOVE
- E - EXISTING PARTITION
- I - IMPACT RESISTANT GWB PARTITION
- S - SOUND ATTENUATION BLANKET, PARTITION SHALL EXTEND TO THE STRUCTURE ABOVE, PROVIDE ACOUSTICAL SEALANT AT TOP AND BOTTOM
- Z - TWO LAYERS OF GWB ON EACH SIDE FOR SOUND, NON-RATED

PARTITION NOTES

1. NON-RATED PARTITIONS, EXCEPT THOSE WITH A "-D-", "-S-", OR "-S-" DESIGNATOR, SHALL EXTEND A MINIMUM OF 8" ABOVE THE HIGHEST ADJACENT CEILING, U.N.O.
2. AT WET AREAS, PROVIDE MRGWB OR MMRGGWB AT NON-RATED PARTITIONS AND FRMRGGWB OR FRMMRGWB AT RATED PARTITIONS.
3. ON PARTITIONS RECEIVING WALL TILE (REFER TO FINISH SCHEDULE) PROVIDE CEMENTITIOUS BACKER BOARD BEHIND PORTIONS OF PARTITION RECEIVING TILE ONLY.
4. SMOKE PARTITIONS (-SD-) SHALL EXTEND TO FLOOR/CEILING/ROOF DECK ASSEMBLY, U.N.O. IF METAL STUD WALLS ARE NOTED OR DETAILED, THE METAL STUD SIZE SHOULD MEET THE MINIMUM SPECIFIED REQUIREMENTS WITH GYPSUM BOARD ON AT LEAST ONE SIDE; TAPED AND SEALED WITH COMPOUND TO MEET A LEVEL 3 FINISH. SEAL OPENINGS, PENETRATIONS AND INTERSECTIONS TO RESIST THE PASSAGE OF SMOKE.
5. EXTEND ALL DECK PARTITIONS (-D-) TO FLOOR/CEILING/ROOF DECK ASSEMBLY CHANGING FROM CMU TO METAL STUD 8" ABOVE CEILING, U.N.O.

PARTITION TAG EXAMPLES

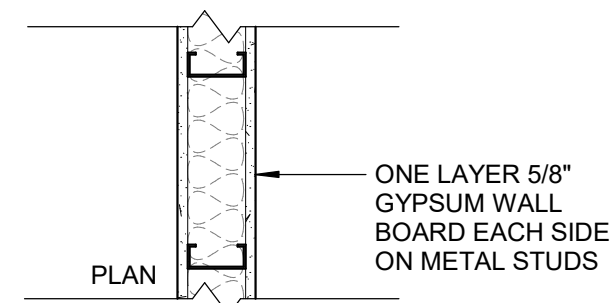
- 3A 3 5/8" METAL STUD, NON-RATED, GWB 6" ABOVE CLG
- 3AD 3 5/8" METAL STUD, NON-RATED, EXTEND TO DECK ABOVE
- 3AS 3 5/8" METAL STUD, NON-RATED W/ SAFB
- 3A1S 3 5/8" METAL STUD, 1 HOUR RATED W/ SAFB
- 3A5D 3 5/8" METAL STUD, SMOKE BARRIER TO DECK ABOVE
- 4S2 4" C-H METAL STUD, 2 HOUR RATED
- 6ME 6" NOM. CMU EXISTING PARTITION
- 8M 8" NOM. CMU, NON-RATED, MIN. COURSING ABOVE CLG
- 8M3 8" NOM. CMU, 3 HOUR RATED
- 12MD 12" NOM. CMU, NON-RATED, EXTEND TO DECK ABOVE



TAG	BLOCK SIZE	OVERALL THICK	RATING
4M	3-5/8"	3 5/8"	
6M	5-5/8"	5 5/8"	
6MD	5-5/8"	5 5/8"	
8M	7-5/8"	7 5/8"	
8M1	7-5/8"	7 5/8"	1
8M2	7-5/8"	7 5/8"	2
8MSD	7-5/8"	7 5/8"	SMK
8MD	7-5/8"	7 5/8"	

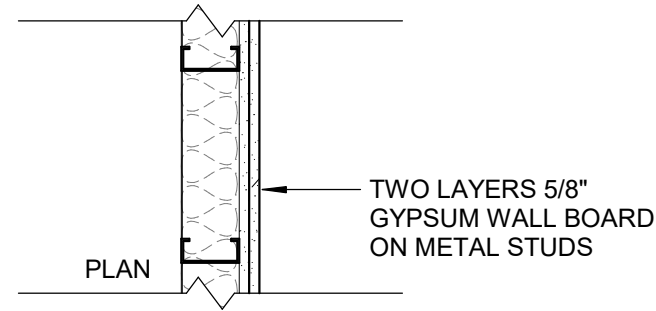
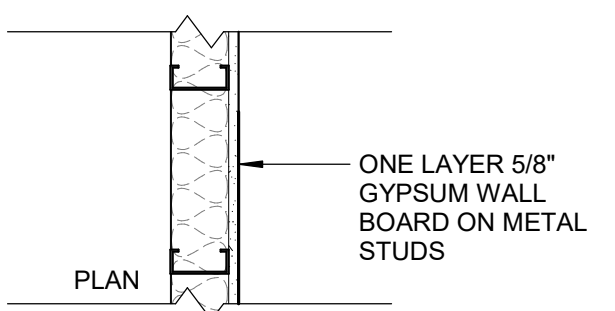
TAG	BLOCK SIZE	OVERALL THICK	RATING
12M	11-5/8"	11 5/8"	
12M1	11-5/8"	11 5/8"	1
12M2	11-5/8"	11 5/8"	2
12MSD	11-5/8"	11 5/8"	SMK
12MD	11-5/8"	11 5/8"	

M MASONRY



TAG	STUD SIZE	OVERALL THICK	RATING
1A	1-5/8"	2 7/8"	
2A	2-1/2"	3 3/4"	
3A	3-5/8"	4 7/8"	
3A1	3-5/8"	4 7/8"	1
3A5D	3-5/8"	4 7/8"	SMK
3AD	3-5/8"	4 7/8"	
3AS	3-5/8"	4 7/8"	
6A	6"	7 1/4"	
6AS	6"	7 1/4"	
8AS	7 5/8"	9 1/4"	

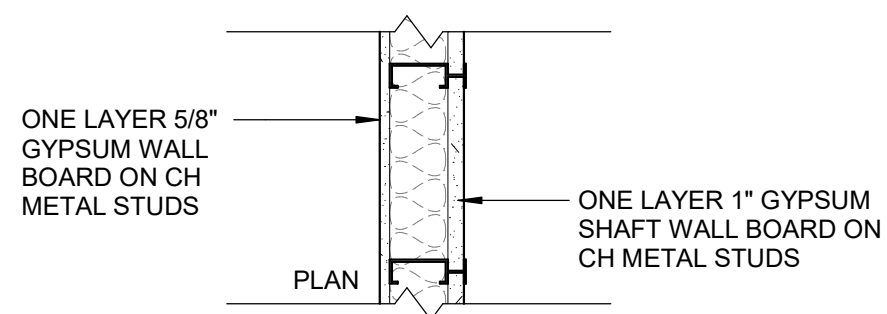
A METAL STUD - ONE LAYER



TAG	STUD SIZE	OVERALL THICK	RATING
DF	0-7/8"	1 1/2"	
1F	1-5/8"	2 1/4"	
1FS	1 5/8"	3 1/8"	
2F	2-1/2"	3 1/8"	
3F	3-5/8"	4 1/4"	
6F	6"	6 5/8"	

TAG	STUD SIZE	OVERALL THICK	RATING
2FZ	2-1/2"	3 3/4"	

F FURRED - ONE LAYER



TAG	CH STUD SIZE	OVERALL THICK	RATING
2S1	2-1/2" CH	3 1/8"	1

F FURRED - TWO LAYERS

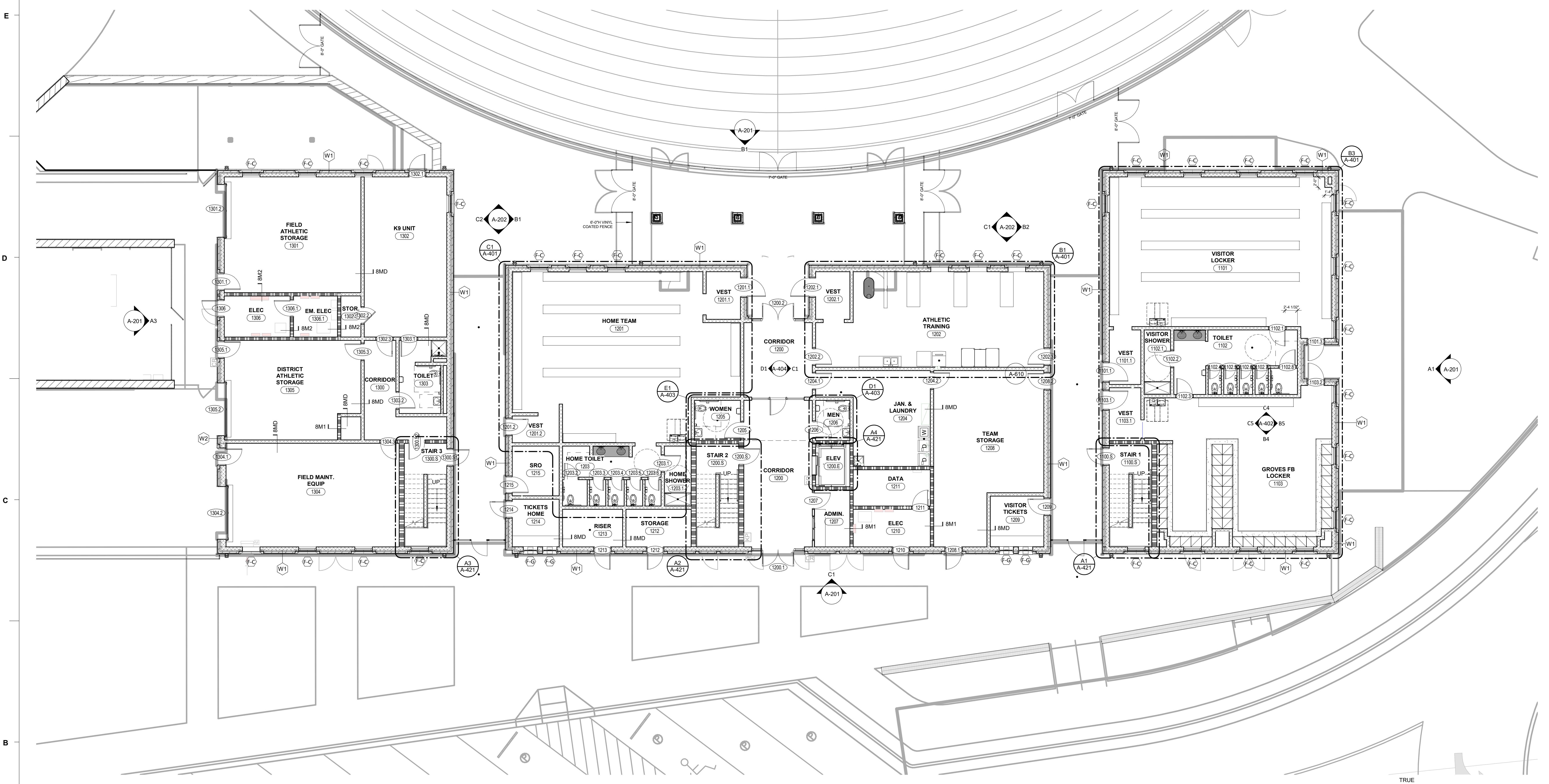
S SHAFT - ONE LAYER



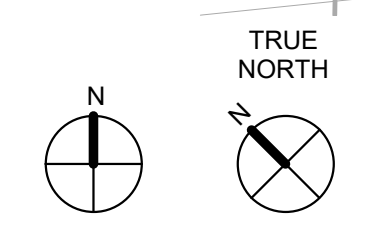
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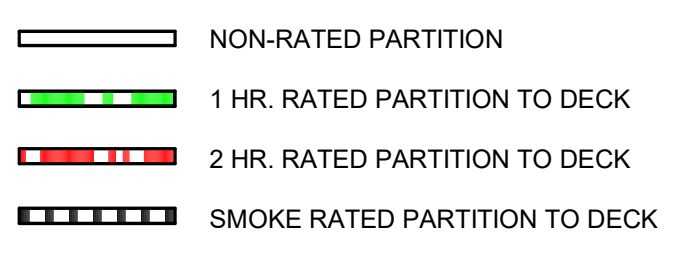


B1 FIRST FLOOR PLAN
 1/8" = 1'-0"



PARTITION LEGEND

- ALL EXTERIOR WALLS TO BE TYPE **W1** U.N.O.
- ALL INTERIOR MASONRY PARTITIONS TO BE TYPE **8M** U.N.O.
- ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE **3AS** U.N.O.

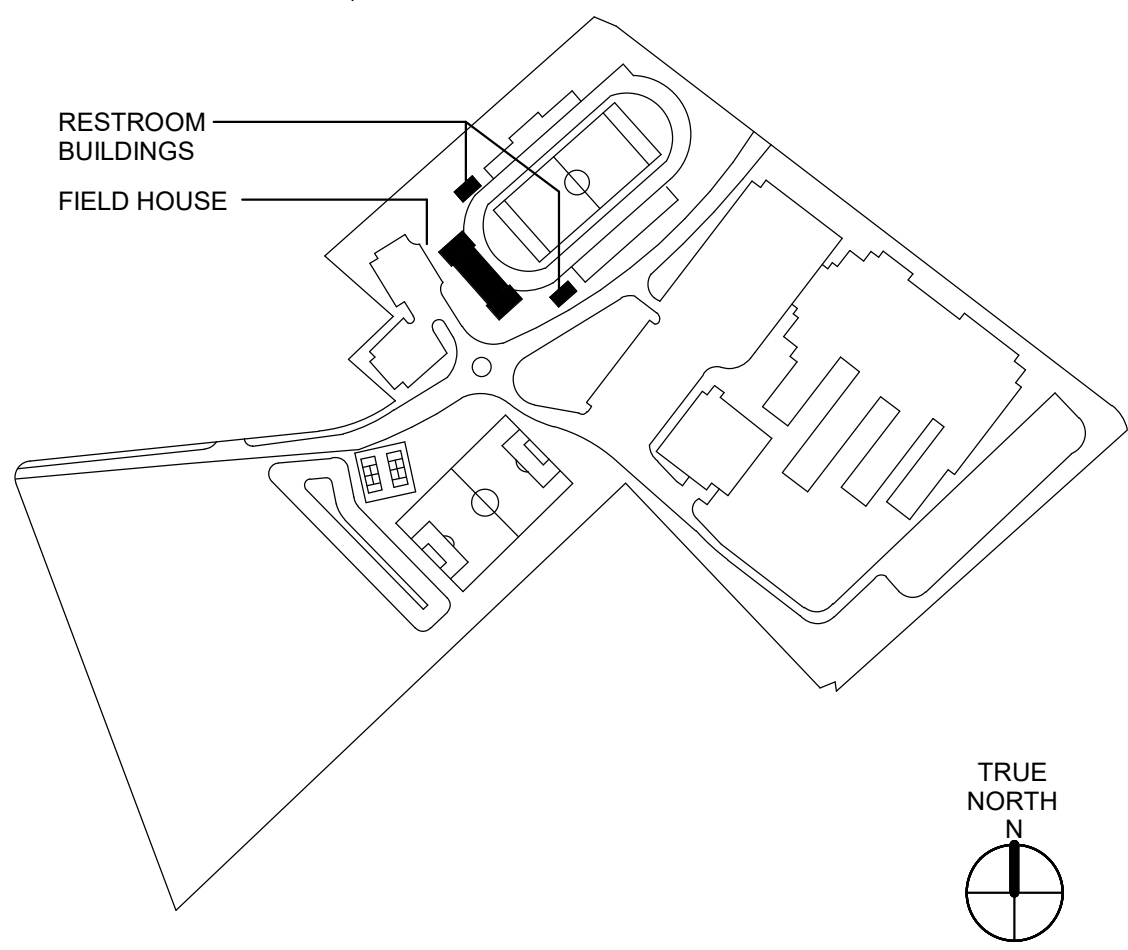


NOTE: SEE SHEET A-004 AND A-005 FOR CONSTRUCTION SUBSYSTEMS.
 SEE SHEET A-006 FOR CONSTRUCTION OF PARTITION TYPES.

FLOOR PLAN GENERAL NOTES

- EXTERIOR DIMENSIONS AT MASONRY VENEER ARE TO FACE OF MASONRY.
- EXTERIOR DIMENSION AT PRECAST ARE TO FACE OF PRECAST.
- INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD AND CENTERLINES OF COLUMNS, U.N.O. DIMENSIONS TO FURRED OUT CMU WALLS ARE TO FACE OF CMU.
- ALL CMU WALLS AT POLICE OFFICE SPACE (WING 1 AND 2ND FLOOR) TO RECEIVE FURRING TYPE OF, EXCEPTING ARMORY, VAULT, STAIRWELL INTERIORS, AND MECHANICAL STORAGE ROOMS.
- LOCATE ALL DOOR OPENINGS IN CMU WALLS 8" FROM NEAREST PERPENDICULAR WALL, U.N.O.
- LOCATE ALL DOOR OPENINGS IN STUD WALLS 4" FROM NEAREST PERPENDICULAR WALL, U.N.O.
- FIRE AND SOUND RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE, PIPING, DUCTWORK AND OTHER PENETRATIONS. ALL WORK IS TO BE BRACED TO STRUCTURE ABOVE.
- WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND RECESSED FIRE EXTINGUISHER CABINETS.
- INSTALL BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, TRIM AND RELATED CONSTRUCTION AS INDICATED IN THE SPECIFICATIONS.
- SEE LIFE SAFETY PLANS FOR REQUIRED FIRE SEPARATION WALLS.
- SEE SHEETS A-600-610 FOR DOOR, LOUVER, WINDOW, & GLAZING TYPES.
- SEE SHEETS A-701-771 FOR CASEWORK AND EQUIPMENT SCHEDULES, DESIGNATIONS & DETAILS.
- SEE SHEETS A-701-703 FOR FINISH FLOORING, TRANSITIONS, PATTERNS AND WALL PROTECTION.
- SEE SHEET A-700 FOR FINISH SCHEDULE.
- SEE SHEETS A-401-421 FOR ENLARGED PLANS AND ELEVATIONS INDICATING ADDITIONAL DIMENSIONS AND PARTITION TYPES, AND ACCESSORY DESCRIPTIONS & MOUNTING HEIGHTS.
- SEE STRUCTURAL DRAWINGS FOR SLAB DEPRESSIONS AND CUTOUTS.
- SEE BUILDING ELEVATION DRAWINGS FOR LOCATION OF EXTERIOR MASONRY CONTROL JOINTS.

KEY PLAN



PROJECT: 5201-192070
 DATE: 05/12/2023
 DRAWN BY: WJC
 CHECKED BY: AWM

1ST FLOOR PLAN - FIELDHOUSE

A-101



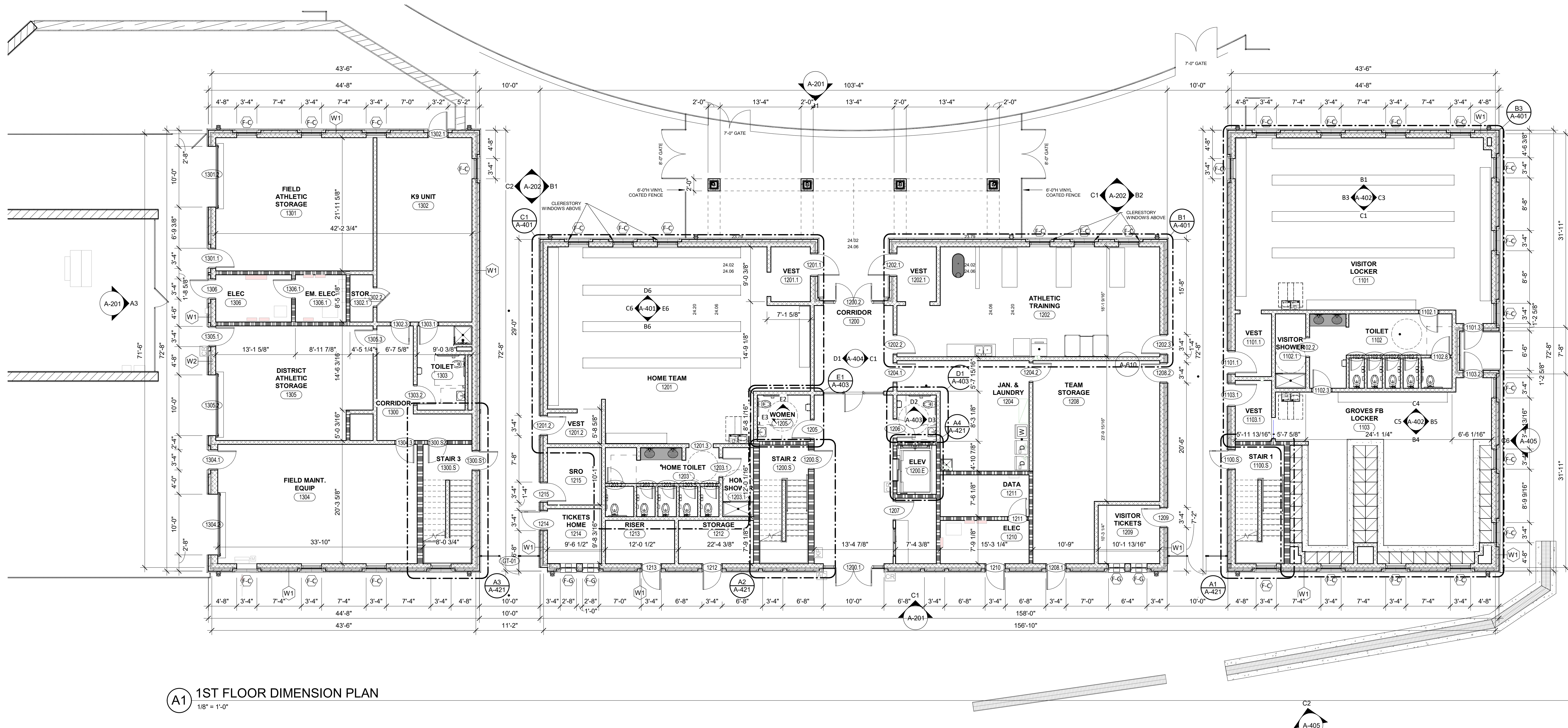
REVISIONS:

No.	Description	Date

PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: KAS
CHECKED BY: AWM

1ST FLOOR PLAN - FIELDHOUSE - DIM

A-101D



A1 1ST FLOOR DIMENSION PLAN
1/8" = 1'-0"

PARTITION LEGEND

- ALL EXTERIOR WALLS TO BE TYPE **W1** U.N.O.
- ALL INTERIOR MASONRY PARTITIONS TO BE TYPE **3AS** U.N.O.
- ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE **3AS** U.N.O.

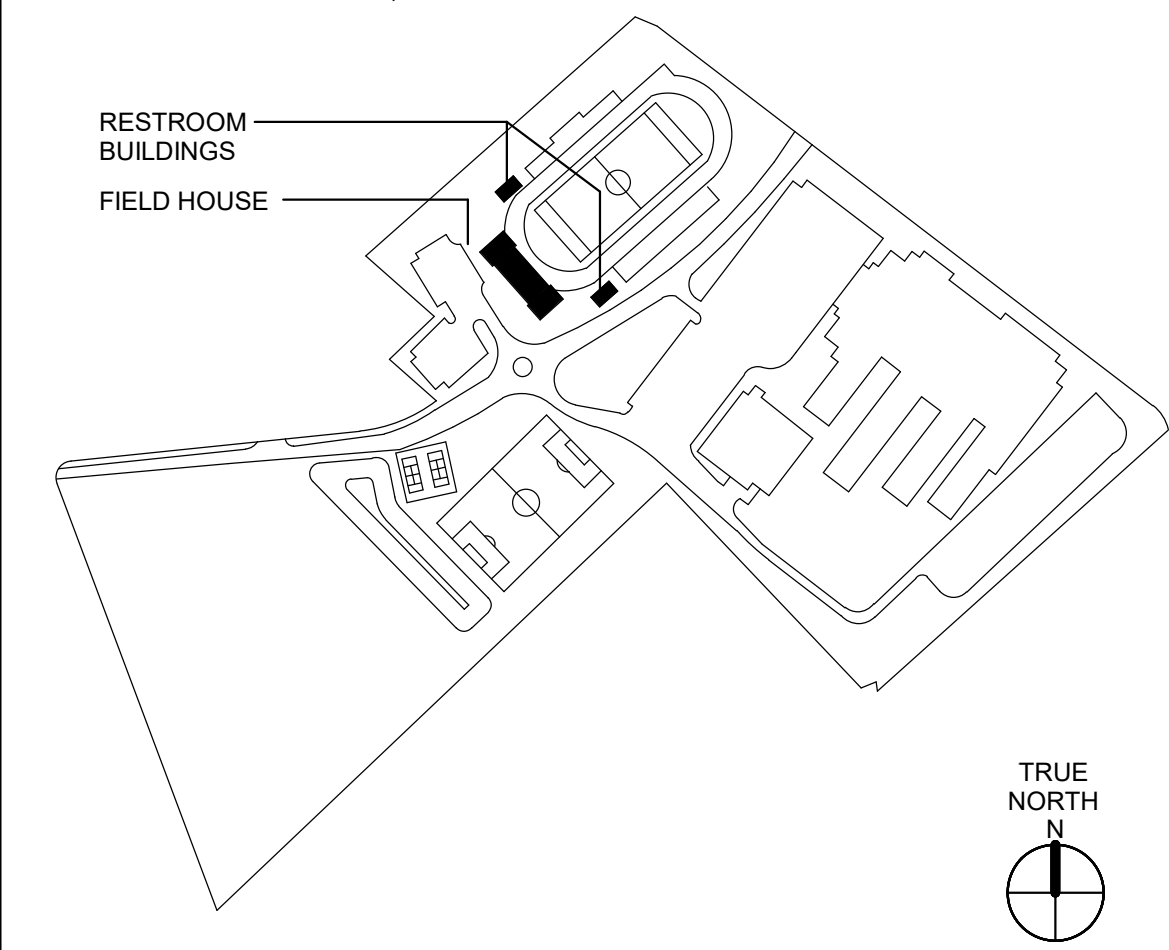
- NON-RATED PARTITION
- 1 HR. RATED PARTITION TO DECK
- 2 HR. RATED PARTITION TO DECK
- SMOKE RATED PARTITION TO DECK

NOTE: SEE SHEET A-004 AND A-005 FOR CONSTRUCTION SUBSYSTEMS.
SEE SHEET A-006 FOR CONSTRUCTION OF PARTITION TYPES.

FLOOR PLAN GENERAL NOTES

- EXTERIOR DIMENSIONS AT MASONRY VENEER ARE TO FACE OF MASONRY.
- EXTERIOR DIMENSIONS AT PRECAST ARE TO FACE OF PRECAST.
- INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD AND CENTERLINES OF COLUMNS, U.N.O. DIMENSIONS TO FURRED OUT CMU WALLS ARE TO FACE OF CMU.
- ALL CMU WALLS AT POLICE OFFICE SPACE (WING 1 AND 2ND FLOOR) TO RECEIVE FURRING TYPE OF EXCEPTING ARMORY, VAULT, STAIRWELL INTERIORS, AND MECHANICAL/STORAGE ROOMS.
- LOCATE ALL DOOR OPENINGS IN CMU WALLS 8" FROM NEAREST PERPENDICULAR WALL, U.N.O.
- LOCATE ALL DOOR OPENINGS IN STUD WALLS 4" FROM NEAREST PERPENDICULAR WALL, U.N.O.
- FIRE AND SOUND RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE, PIPING, DUCTWORK AND OTHER PENETRATIONS. ALL WORK IS TO BE BRACED TO STRUCTURE ABOVE.
- WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND RECESSED FIRE EXTINGUISHER CABINETS.
- INSTALL BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, TRIM AND RELATED CONSTRUCTION AS INDICATED IN THE SPECIFICATIONS.
- SEE SHEETS A-800-810 FOR DOOR, LOUVER, WINDOW, & GLAZING TYPES.
- SEE SHEETS A-700-771 FOR CASEWORK AND EQUIPMENT SCHEDULES, DESIGNATIONS & DETAILS.
- SEE SHEETS A-701-703 FOR FINISH FLOORING, TRANSITIONS, PATTERNS AND WALL PROTECTION.
- SEE SHEET A-700 FOR FINISH SCHEDULE.
- SEE SHEETS A-401-421 FOR ENLARGED PLANS AND ELEVATIONS INDICATING ADDITIONAL DIMENSIONS AND PARTITION TYPES, AND ACCESSORY DESCRIPTIONS & MOUNTING HEIGHTS.
- SEE STRUCTURAL DRAWINGS FOR SLAB DEPRESSIONS AND CUTOUTS.
- SEE BUILDING ELEVATION DRAWINGS FOR LOCATION OF EXTERIOR MASONRY CONTROL JOINTS.

KEY PLAN



BIN 360/5201-192070_SCCPSS NEW K-12 ATHLETICS ARCH_GrovesK12_Fieldhouse_NEW.rvt
5/29/2023 11:02:18 AM



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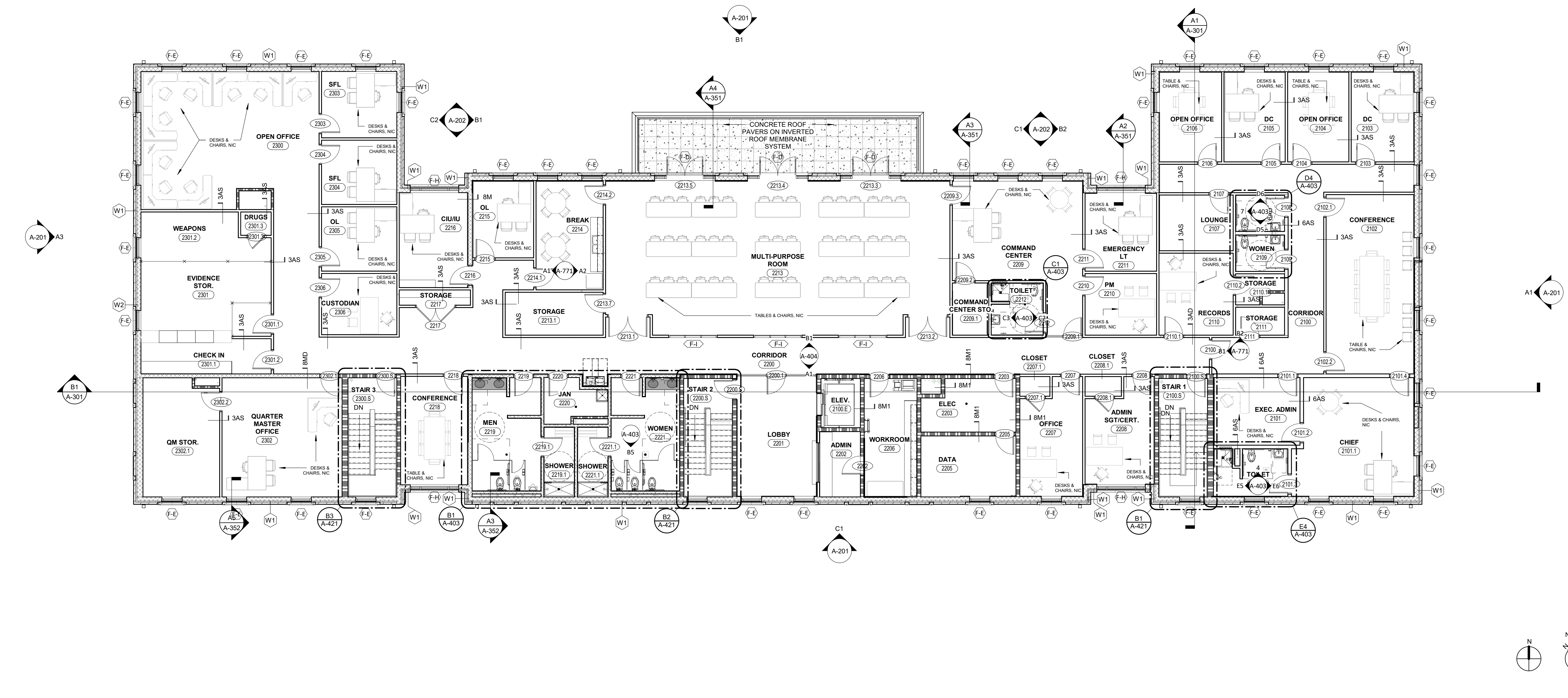
REVISIONS:

No.	Description	Date

PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: KAM
CHECKED BY: AWM

2ND FLOOR
PLAN -
FIELDHOUSE

A-102



B1 SECOND FLOOR PLAN
1/8" = 1'-0"

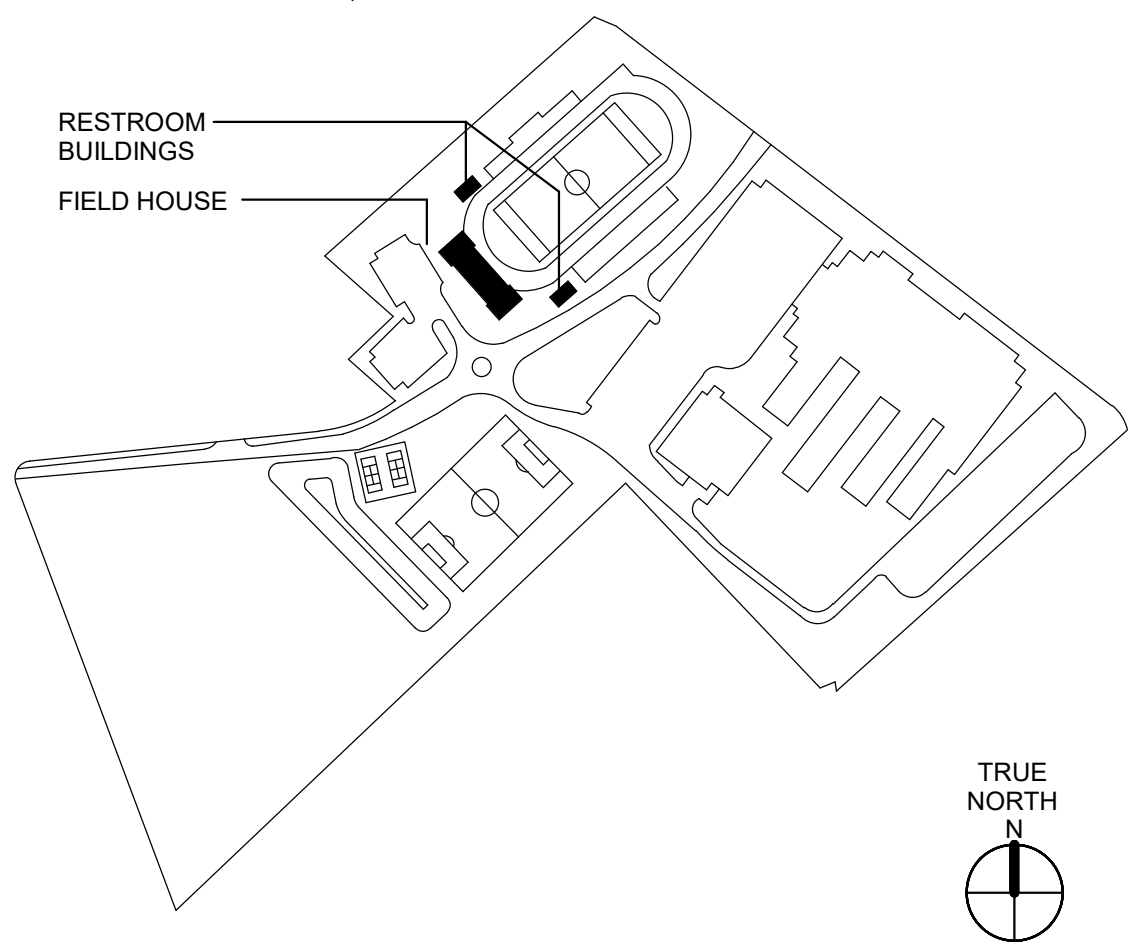
PARTITION LEGEND

- ALL EXTERIOR WALLS TO BE TYPE **W1** U.N.O.
 - ALL INTERIOR MASONRY PARTITIONS TO BE TYPE **BM** U.N.O.
 - ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE **3AS** U.N.O.
- NON-RATED PARTITION
 - 1 HR. RATED PARTITION TO DECK
 - 2 HR. RATED PARTITION TO DECK
 - SMOKE RATED PARTITION TO DECK
- NOTE: SEE SHEET A-404 AND A-405 FOR CONSTRUCTION SUBSYSTEMS.
SEE SHEET A-406 FOR CONSTRUCTION OF PARTITION TYPES.

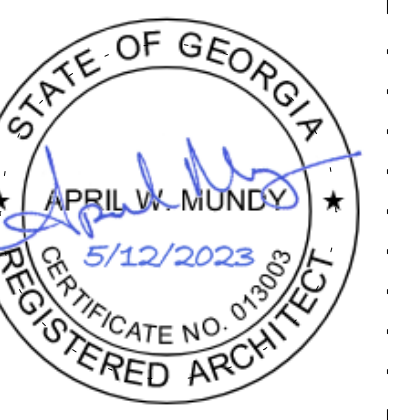
FLOOR PLAN GENERAL NOTES

- EXTERIOR DIMENSIONS AT MASONRY VENEER ARE TO FACE OF MASONRY.
- EXTERIOR DIMENSION AT PRECAST ARE TO FACE OF PRECAST.
- INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD AND CENTERLINES OF COLUMNS, U.N.O. DIMENSIONS TO FURRED OUT CMU WALLS ARE TO FACE OF CMU.
- ALL CMU WALLS AT POLICE OFFICE SPACE (WING 1 AND 2ND FLOOR) TO RECEIVE FURRING TYPE OF, EXCEPTING ARMORY, VAULT, STAIRWELL INTERIORS, AND MECHANICAL STORAGE ROOMS.
- LOCATE ALL DOOR OPENINGS IN CMU WALLS 8" FROM NEAREST PERPENDICULAR WALL, U.N.O.
- LOCATE ALL DOOR OPENINGS IN STUD WALLS 4" FROM NEAREST PERPENDICULAR WALL, U.N.O.
- FIRE AND SOUND RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE, PIPING, DUCTWORK AND OTHER PENETRATIONS. ALL WORK IS TO BE BRACED TO STRUCTURE ABOVE.
- WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND RECESSED FIRE EXTINGUISHER CABINETS.
- INSTALL BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, TRIM AND RELATED CONSTRUCTION AS INDICATED IN THE SPECIFICATIONS.
- SEE LIFE SAFETY PLANS FOR REQUIRED FIRE SEPARATION WALLS.
- SEE SHEETS A-600-610 FOR DOOR, LOUVER, WINDOW, & GLAZING TYPES.
- SEE SHEETS A-770-771 FOR CASEWORK AND EQUIPMENT SCHEDULES, DESIGNATIONS & DETAILS.
- SEE SHEETS A-701-703 FOR FINISH FLOORING, TRANSITIONS, PATTERNS AND WALL PROTECTION.
- SEE SHEET A-700 FOR FINISH SCHEDULE.
- SEE SHEETS A-401-421 FOR ENLARGED PLANS AND ELEVATIONS INDICATING ADDITIONAL DIMENSIONS AND PARTITION TYPES, AND ACCESSORY DESCRIPTIONS & MOUNTING HEIGHTS.
- SEE STRUCTURAL DRAWINGS FOR SLAB DEPRESSIONS AND CUTOUTS.
- SEE BUILDING ELEVATION DRAWINGS FOR LOCATION OF EXTERIOR MASONRY CONTROL JOINTS.

KEY PLAN



BIM 360/5201-192070 SCCPSS NEW K-12 ATHLETICS ARCH_GrovesK12_Fieldhouse_NEW.rvt
5/29/2023 11:02:27 AM



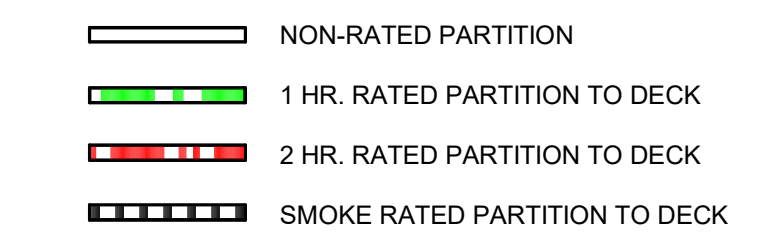
No.	Description	Date

FLOOR PLAN GENERAL NOTES

- A. EXTERIOR DIMENSIONS AT MASONRY VENEER ARE TO FACE OF MASONRY.
- B. EXTERIOR DIMENSION AT PRECAST ARE TO FACE OF PRECAST.
- C. INTERIOR DIMENSIONS INDICATED ARE TO FACE OF STUD AND CENTERLINES OF COLUMNS, U.N.O. DIMENSIONS TO FURRED OUT CMU WALLS ARE TO FACE OF CMU.
- D. ALL CMU WALLS AT POLICE OFFICE SPACE (WING 1 AND 2ND FLOOR) TO RECEIVE FURRING TYPE OF, EXCEPTING ARMORY, VAULT, STAIRWELL INTERIORS, AND MECHANICAL/STORAGE ROOMS.
- E. LOCATE ALL DOOR OPENINGS IN CMU WALLS 8" FROM NEAREST PERPENDICULAR WALL, U.N.O.
- F. LOCATE ALL DOOR OPENINGS IN STUD WALLS 4" FROM NEAREST PERPENDICULAR WALL, U.N.O.
- G. FIRE AND SOUND RATED WALLS/PARTITIONS TO BE CONSTRUCTED TIGHT TO STRUCTURE, PIPING, DUCTWORK AND OTHER PENETRATIONS. ALL WORK IS TO BE BRACED TO STRUCTURE ABOVE.
- H. WHERE PARTITIONS OF DIFFERENT FIRE RATINGS INTERSECT, THE HIGHEST RATED PARTITION SHALL CONTINUE THROUGH. MAINTAIN PARTITION FIRE RATING BEHIND RECESSED FIRE EXTINGUISHER CABINETS.
- I. INSTALL BLOCKING IN PARTITIONS FOR CASEWORK, WALL MOUNTED EQUIPMENT, TRIM AND RELATED CONSTRUCTION AS INDICATED IN THE SPECIFICATIONS.
- J. SEE LIFE SAFETY PLANS FOR REQUIRED FIRE SEPARATION WALLS.
- K. SEE SHEETS A-600-610 FOR DOOR, LOUVER, WINDOW, & GLAZING TYPES.
- L. SEE SHEETS A-770-771 FOR CASEWORK AND EQUIPMENT SCHEDULES, DESIGNATIONS & DETAILS.
- M. SEE SHEETS A-701-703 FOR FINISH FLOORING, TRANSITIONS, PATTERNS AND WALL PROTECTION.
- N. SEE SHEET A-700 FOR FINISH SCHEDULE.
- O. SEE SHEETS A-401-421 FOR ENLARGED PLANS AND ELEVATIONS INDICATING ADDITIONAL DIMENSIONS AND PARTITION TYPES, AND ACCESSORY DESCRIPTIONS & MOUNTING HEIGHTS.
- P. SEE STRUCTURAL DRAWINGS FOR SLAB DEPRESSIONS AND CUTOUTS.
- Q. SEE BUILDING ELEVATION DRAWINGS FOR LOCATION OF EXTERIOR MASONRY CONTROL JOINTS.

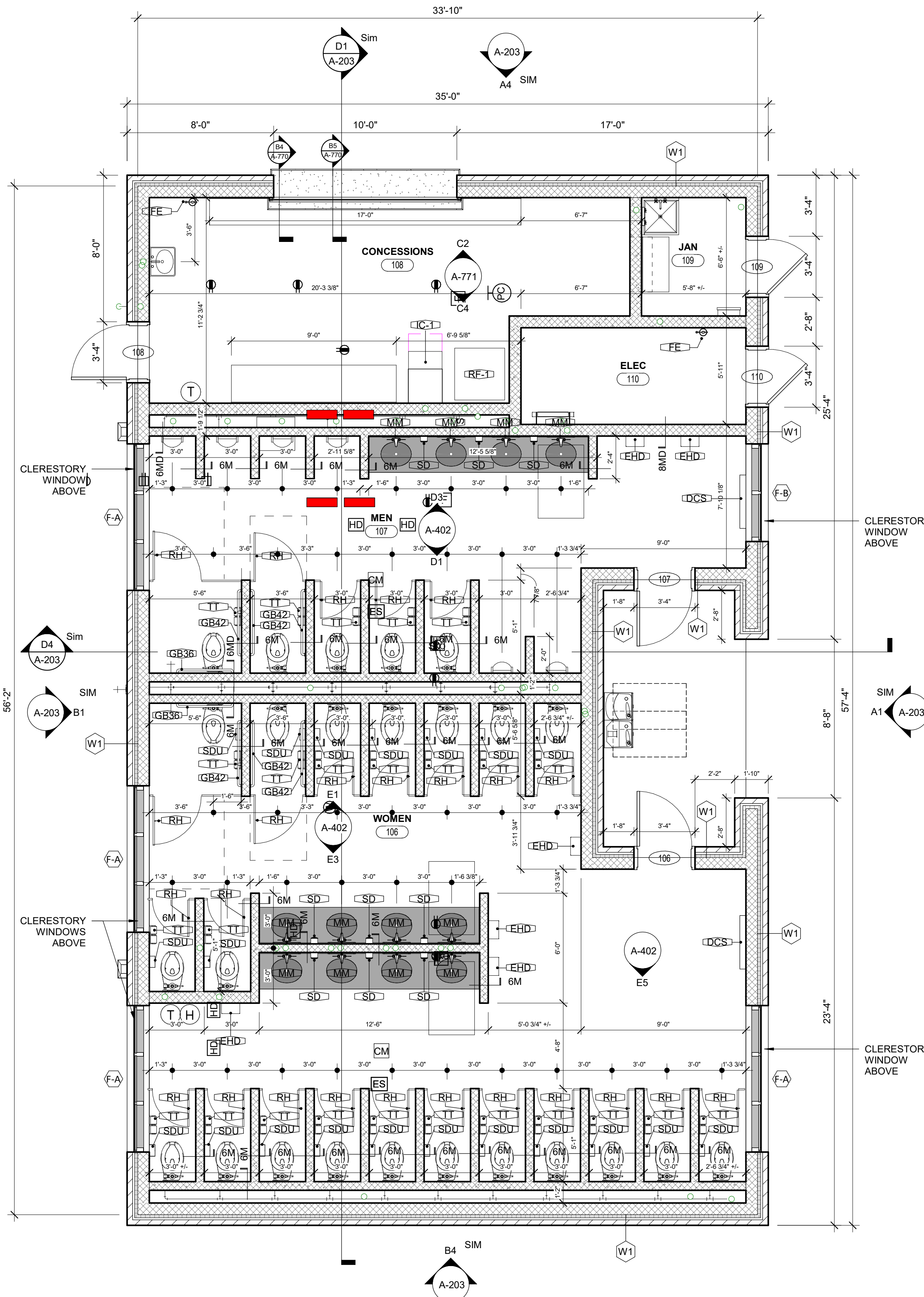
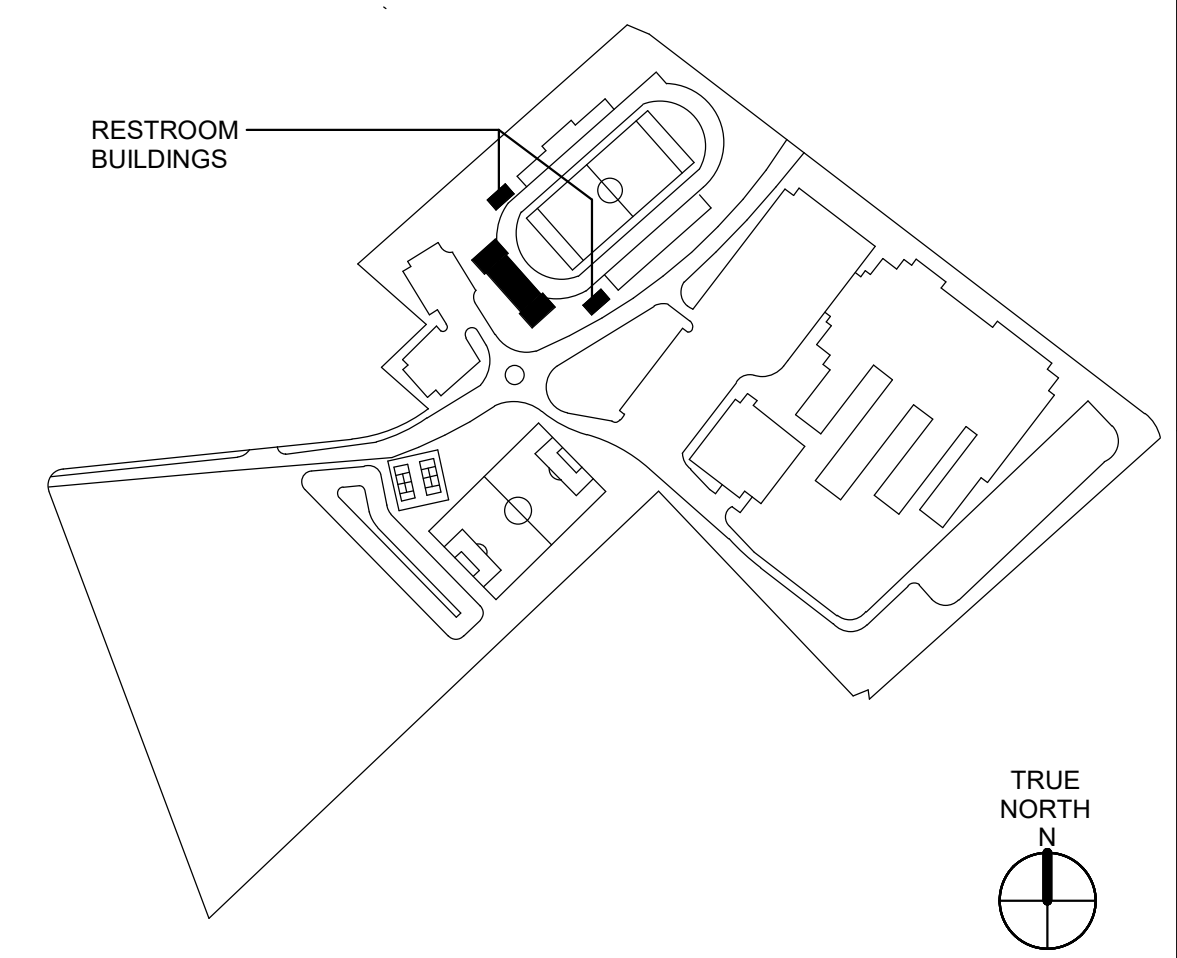
PARTITION LEGEND

- 1. ALL EXTERIOR WALLS TO BE TYPE W1 U.N.O.
- 2. ALL INTERIOR MASONRY PARTITIONS TO BE TYPE 3M U.N.O.
- 3. ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE 3AS U.N.O.



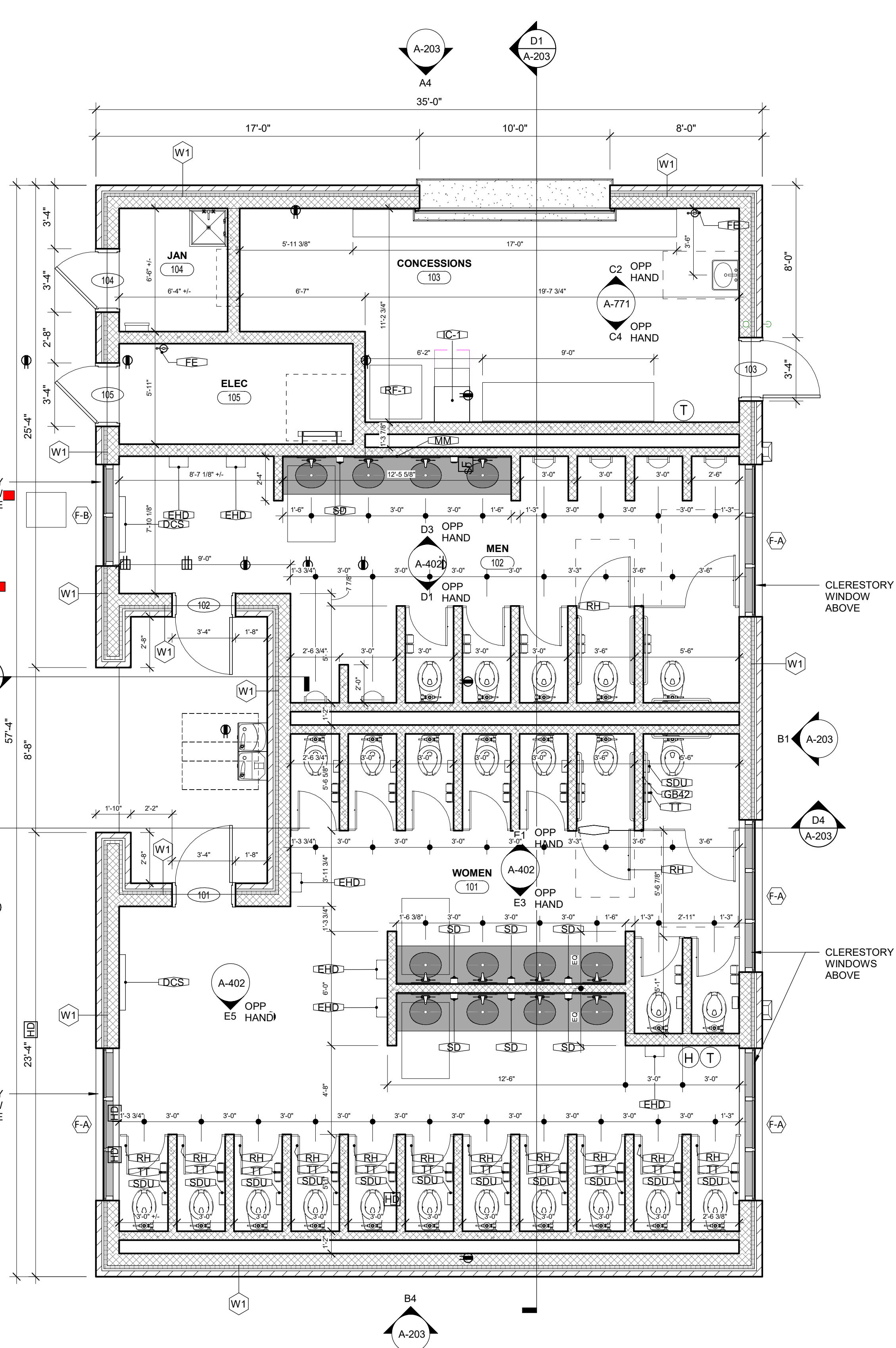
NOTE: SEE SHEET A-004 AND A-005 FOR CONSTRUCTION SUBSYSTEMS.
SEE SHEET A-006 FOR CONSTRUCTION OF PARTITION TYPES.

KEY PLAN



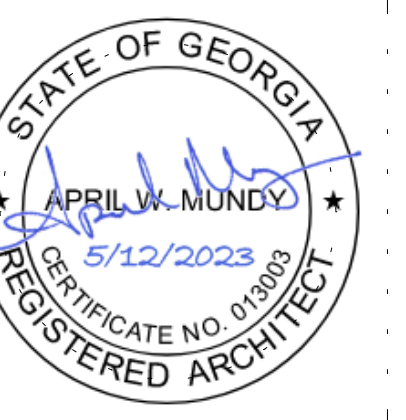
A1 FIRST FLOOR PLAN - HOME RESTROOM
1/4" = 1'-0"

NOTE: ACCESSORY AND PARTITION TAGS TYP. FOR BOTH RESTROOM BUILDINGS.



A3 FIRST FLOOR PLAN - AWAY RESTROOM
1/4" = 1'-0"

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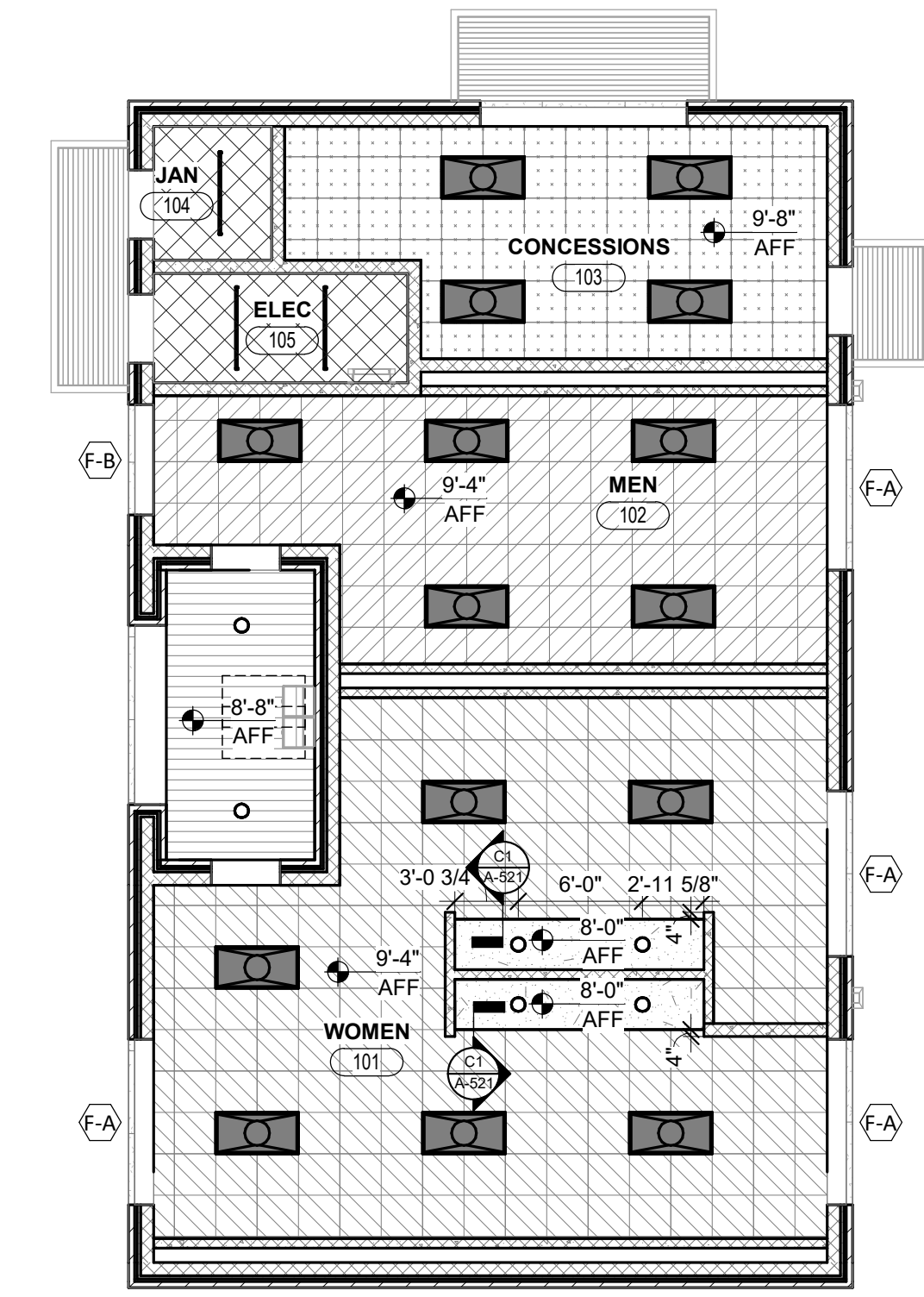


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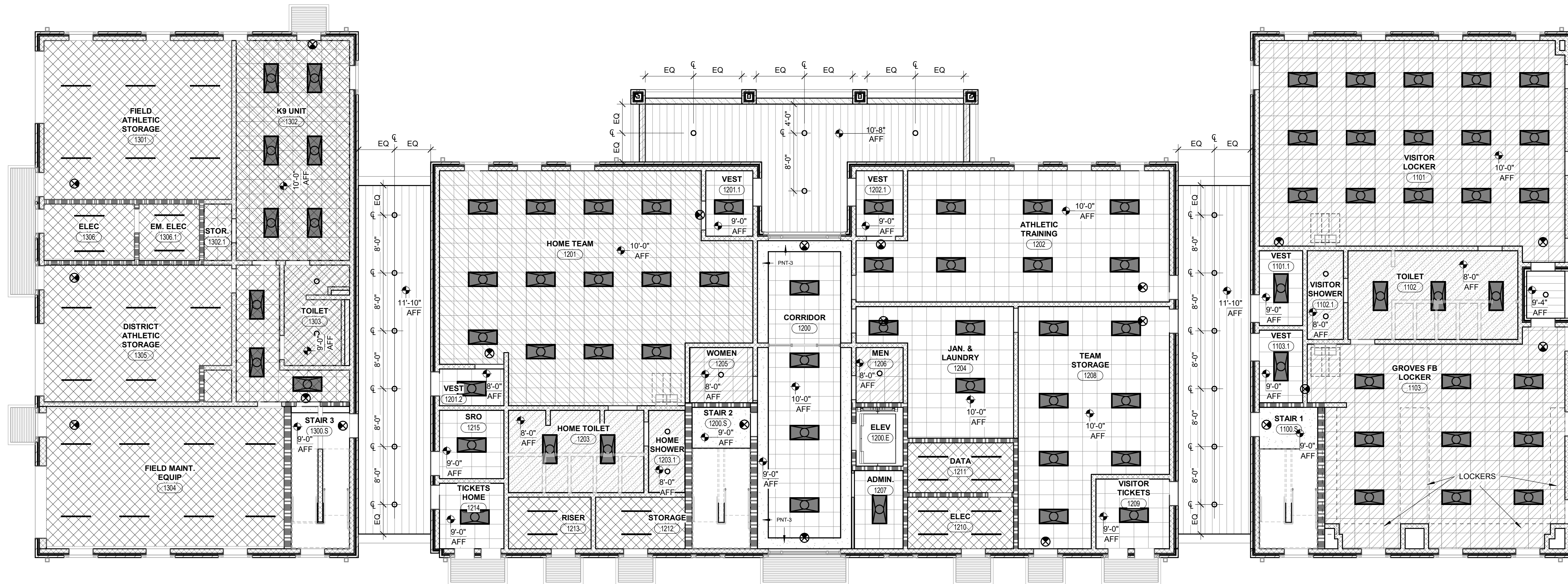
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D1 REFLECTED CEILING PLAN - RESTROOM
1/8" = 1'-0"



B1 FIRST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

RCP LEGEND

	APC-1 2x2 LAY-IN CEILING PANEL		1'-0" AFF	HEIGHT (FEET, INCHES) ABOVE FINISHED FLOOR, 9'-0" U.N.O.
	APC-2 2x2 LAY-IN CEILING PANEL - SCRUBBABLE		1 X 4 LAY-IN FIXTURE	
	APC-3 2x2 LAY-IN CEILING PANEL - HIGH NRC		2 X 4 LAY-IN FIXTURE	
	APC-4 2x2 LAY-IN CEILING PANEL - MOISTURE RESISTANT		RECESSED CAN LIGHT	
	GYPSUM BOARD		DOWNLIGHT STRIP FIXTURE	
	GYPSUM BOARD - MOISTURE RESISTANT		SUPPLY AIR DIFFUSER	
	EXPOSED STRUCTURE - PAINTED		RETURN AIR DIFFUSER	
			EXHAUST FAN	
			EXTERIOR SOFFIT PANEL	

REFLECTED CEILING PLAN SHEET NOTES

- SEE SHEET A-006 FOR PARTITION TYPES AND HEIGHT OF WALLS ABOVE CEILING; SEE SHEET A-540 FOR TOILET PARTITION DETAILS
- SEE FINISH SCHEDULE FOR CEILING TYPES & MATERIALS IN EACH ROOM / AREA.
- PERIMETER TRACK FOR ALL ACOUSTICAL CEILING GRIDS TO BE 2" WIDE INSTALLED IN ACCORDANCE WITH IBC AND CISCIA GUIDELINES
- DIMENSIONS ARE TO FACE OF STUD OR MASONRY.
- CEILING GRID/TILES TO BE CENTERED IN ALL ROOMS UNLESS NOTED OTHERWISE. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 6" IN EITHER DIMENSION.
- ALL CEILINGS TO BE 9'-0" AFF. UNO. CEILING HEIGHTS SHOWN ON THE REFLECTED CEILING PLANS ARE NON-TYPICAL AND SPECIFIC TO THE AREA INDICATED. REFER TO INTERIOR ELEVATIONS FOR THE HEIGHTS OF SOFFITS ABOVE CASEWORK.
- SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
- LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, AND FIXTURES NOT SHOWN.
- EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS. PAINT ALL EXPOSED DUCTWORK, PIPING, HANGERS, ETC.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF EXPOSED DUCTWORK AND MOUNTING LOCATIONS OF ITEMS WHERE NO CEILING IS INDICATED.
- CENTER LIGHTS, DIFFUSERS, EXIT SIGNS SMOKE DETECTORS, SPEAKERS, GENERAL ALARM SPEAKERS/SPEAKERS & MISC. DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES.
- LOCATE MECHANICAL GRILLES AND DIFFUSERS SHOWN IN CORNERS OR NEAR WALL TO 12" OFF WALLS, UNO.
- INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AT DUCT DAMPER CONTROLS, DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, ETC.
- FIX ALL SINGLE LIGHT FIXTURES SHALL BE CENTERED IN THE CEILING WITHIN WHICH THEY OCCUR.
- LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION.
- SPRINKLER HEADS, OTHER THAN CONCEALED, SHALL BE FULLY RECESSED (CENTER IN CEILING TILE).
- ALL GWB CEILINGS TO RECEIVE CONCEALED SPRINKLER HEADS.

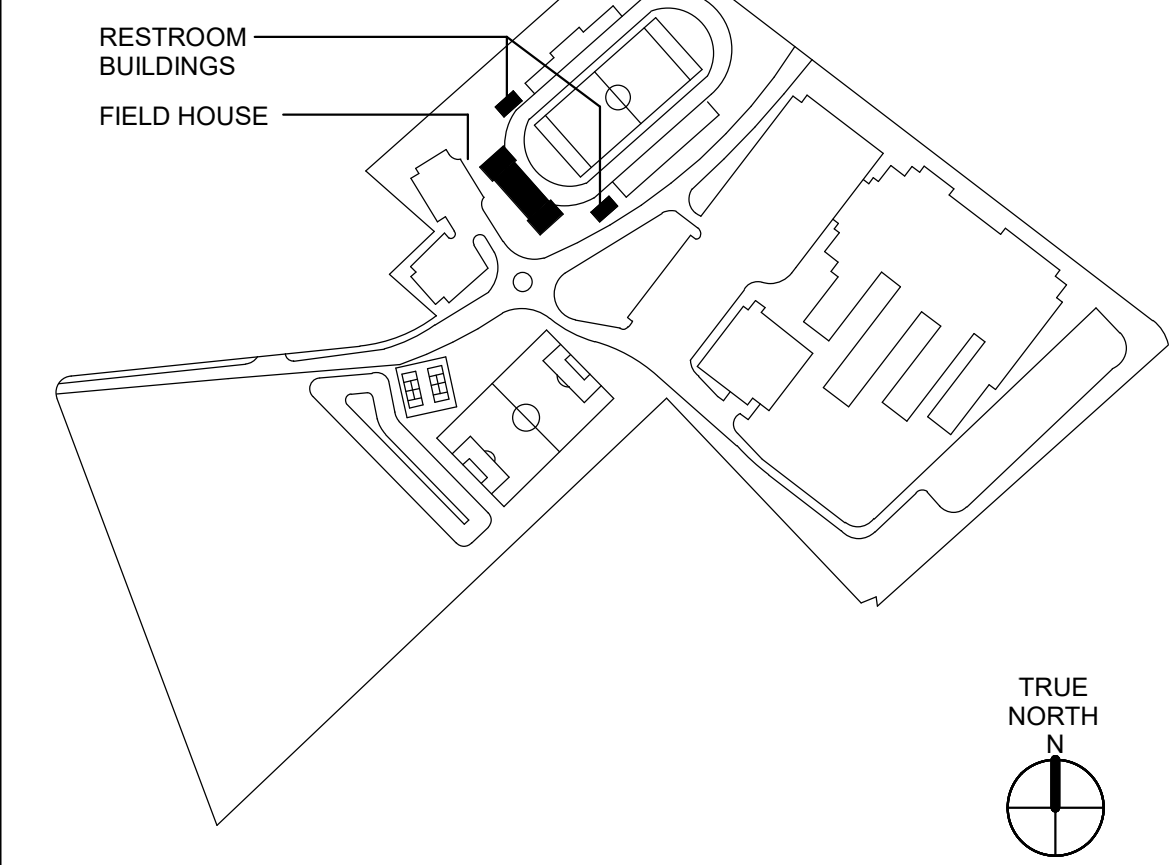
PARTITION LEGEND

- ALL EXTERIOR WALLS TO BE TYPE **W1** U.N.O.
- ALL INTERIOR MASONRY PARTITIONS TO BE TYPE **8M** U.N.O.
- ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE **3AS** U.N.O.

- NON-RATED PARTITION
- 1 HR. RATED PARTITION TO DECK
- 2 HR. RATED PARTITION TO DECK
- SMOKE RATED PARTITION TO DECK

NOTE: SEE SHEET A-004 AND A-005 FOR CONSTRUCTION SUBSYSTEMS.
SEE SHEET A-006 FOR CONSTRUCTION OF PARTITION TYPES.

KEY PLAN



PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: KAS
CHECKED BY: AWM

1ST FLOOR
REFLECTED
CEILING
PLANS

A-131



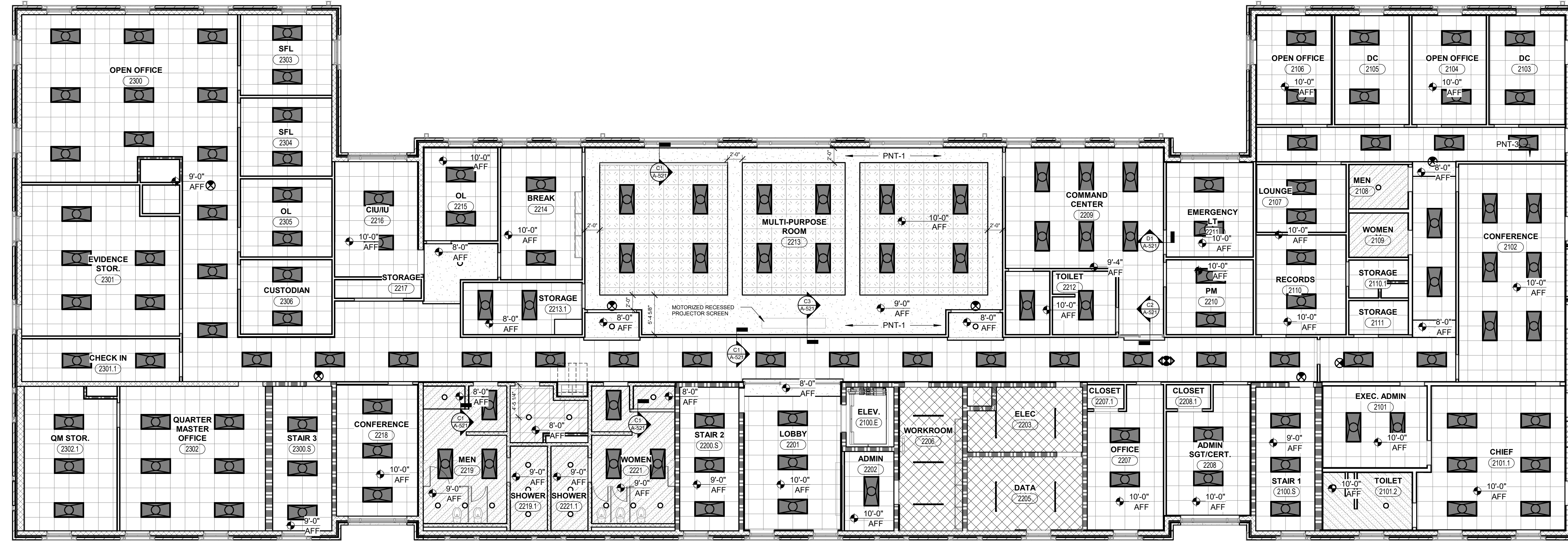
REVISIONS:

No.	Description	Date

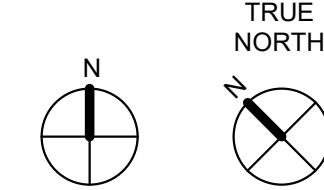
PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: KAS
CHECKED BY: AWM

2ND FLOOR
REFLECTED
CEILING PLAN

A-132



(B1) SECOND FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"



RCP LEGEND

	APC-1 2x2 LAY-IN CEILING PANEL		HEIGHT (FEET, INCHES) ABOVE FINISHED FLOOR, 9'-0" U.N.O.
	APC-2 2x2 LAY-IN CEILING PANEL - SCRUBBABLE		1 X 4 LAY-IN FIXTURE
	APC-3 2x2 LAY-IN CEILING PANEL - HIGH NRC		2 X 4 LAY-IN FIXTURE
	APC-4 2x2 LAY-IN CEILING PANEL - MOISTURE RESISTANT		RECESSED CAN LIGHT
	GYPSUM BOARD		DOWNLIGHT STRIP FIXTURE
	GYPSUM BOARD - MOISTURE RESISTANT		SUPPLY AIR DIFFUSER
	EXPOSED STRUCTURE - PAINTED		RETURN AIR DIFFUSER
			EXHAUST FAN
			EXTERIOR SOFFIT PANEL

REFLECTED CEILING PLAN SHEET NOTES

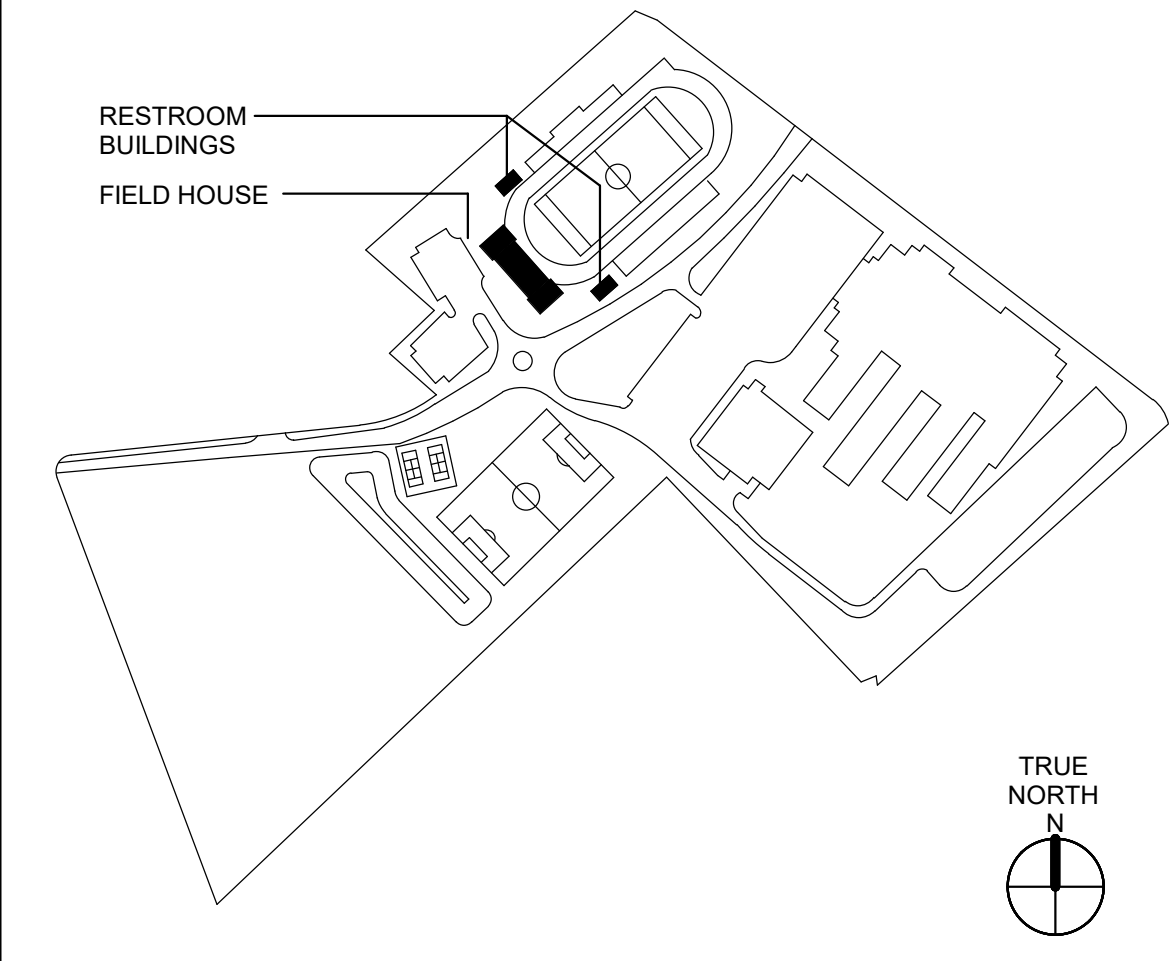
- SEE SHEET A-006 FOR PARTITION TYPES AND HEIGHT OF WALLS ABOVE CEILING; SEE SHEET A-540 FOR TOILET PARTITION DETAILS.
- SEE FINISH SCHEDULE FOR CEILING TYPES & MATERIALS IN EACH ROOM / AREA.
- PERIMETER TRACK FOR ALL ACOUSTICAL CEILING GRIDS TO BE 2" WIDE INSTALLED IN ACCORDANCE WITH BIC AND CIBCA GUIDELINES.
- DIMENSIONS ARE TO FACE OF STUD OR MASONRY.
- CEILING GRID/TILES TO BE CENTERED IN ALL ROOMS UNLESS NOTED OTHERWISE. PARTIAL TILES AT ROOM PERIMETERS SHALL NOT BE LESS THAN 6" IN EITHER DIMENSION.
- ALL CEILING TO BE 9'-0" AFF. UNO. CEILING HEIGHTS SHOWN ON THE REFLECTED CEILING PLANS ARE NON-TYPICAL AND SPECIFIC TO THE AREA INDICATED. REFER TO INTERIOR ELEVATIONS FOR THE HEIGHTS OF SOFFITS ABOVE CASEWORK.
- SEE ELECTRICAL, FIRE ALARM AND FIRE PROTECTION DRAWINGS FOR SPECIAL SYSTEMS, SMOKE DETECTORS, LIGHTING AND WALL MOUNTED FIXTURES NOT SHOWN ON THIS SHEET. COORDINATE LOCATIONS OF ALL FIXTURES NOT INDICATED WITH LAYOUT INDICATED ON THIS SHEET.
- LIGHT FIXTURES AND MECHANICAL DIFFUSERS ARE SHOWN FOR POSITIONING IN FINISH CEILING SYSTEM. COORDINATE WITH MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES, MECHANICAL DIFFUSERS, AND FIXTURES NOT SHOWN.
- EXTEND PERIMETER WALLS AND FINISH TO STRUCTURE ABOVE AT EXPOSED STRUCTURE AREAS. PAINT ALL EXPOSED DUCTWORK, PIPING, HANGERS, ETC.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF EXPOSED DUCTWORK AND MOUNTING LOCATIONS OF ITEMS WHERE NO CEILING IS INDICATED.
- CENTER LIGHTS, DIFFUSERS, EXIT SIGNS SMOKE DETECTORS, SPEAKERS, GENERAL ALARM SPEAKERS/SIROBS & MISC DEVICES IN CEILING TILES WHERE THEY ARE LOCATED. ALIGN MULTIPLE ITEM CENTER OR EDGES.
- LOCATE MECHANICAL GRILLES AND DIFFUSERS SHOWN IN CORNERS OR NEAR WALL TO 12" OFF WALLS UNO.
- INSTALL ACCESS PANELS IN GYPSUM BOARD CEILINGS AT DUCT DAMPER CONTROLS, DUCT MOUNTED SMOKE DETECTORS, MANUAL DUCT CONTROLS, ETC.
- ALL SINGLE LIGHT FIXTURES SHALL BE CENTERED IN THE CEILING WITHIN WHICH THEY OCCUR.
- LOCATE SPRINKLER HEADS IN THE CENTER ZONE OF THE CEILING TILE. ALIGN CORRIDOR SPRINKLER HEADS IN THE SAME LINE PARALLEL TO THE WALL WITHIN EACH SPECIFIC CEILING CONSTRUCTION.
- SPRINKLER HEADS, OTHER THAN CONCEALED, SHALL BE FULLY RECESSED (CENTER IN CEILING TILE).
- ALL GWB CEILINGS TO RECEIVE CONCEALED SPRINKLER HEADS.

PARTITION LEGEND

- ALL EXTERIOR WALLS TO BE TYPE **W1** U.N.O.
 - ALL INTERIOR MASONRY PARTITIONS TO BE TYPE **8M** U.N.O.
 - ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE **3AS** U.N.O.
- NON-RATED PARTITION
 1 HR. RATED PARTITION TO DECK
 2 HR. RATED PARTITION TO DECK
 SMOKE RATED PARTITION TO DECK

NOTE: SEE SHEET A-004 AND A-005 FOR CONSTRUCTION SUBSYSTEMS.
SEE SHEET A-006 FOR CONSTRUCTION OF PARTITION TYPES.

KEY PLAN



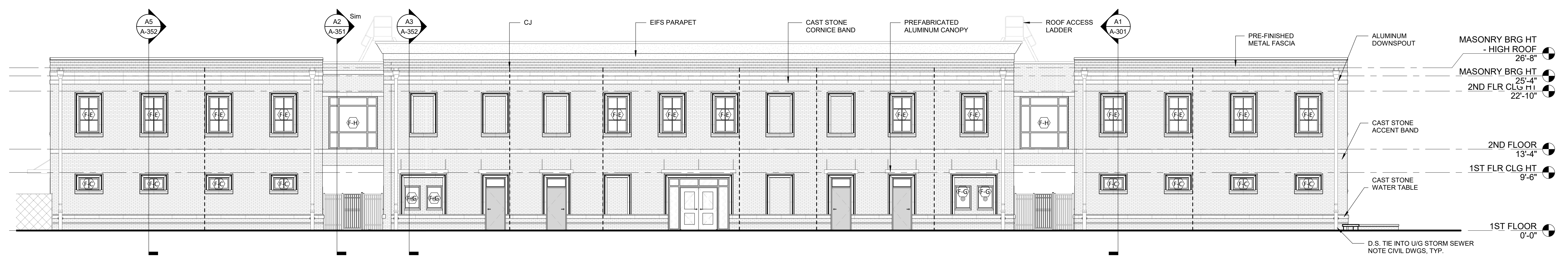
REVISIONS:

No.	Description	Date

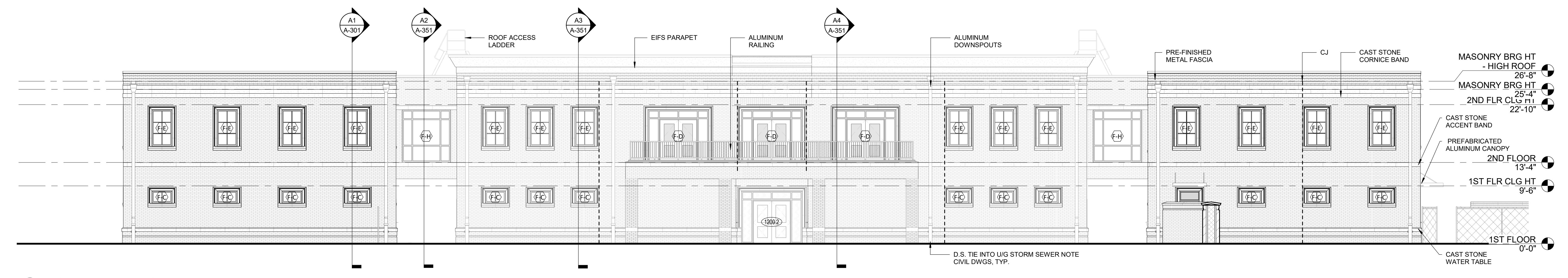
PROJECT: 5201-192070
 DATE: 05/12/2023
 DRAWN BY: KAS
 CHECKED BY: AWM

EXTERIOR ELEVATIONS - FIELDHOUSE

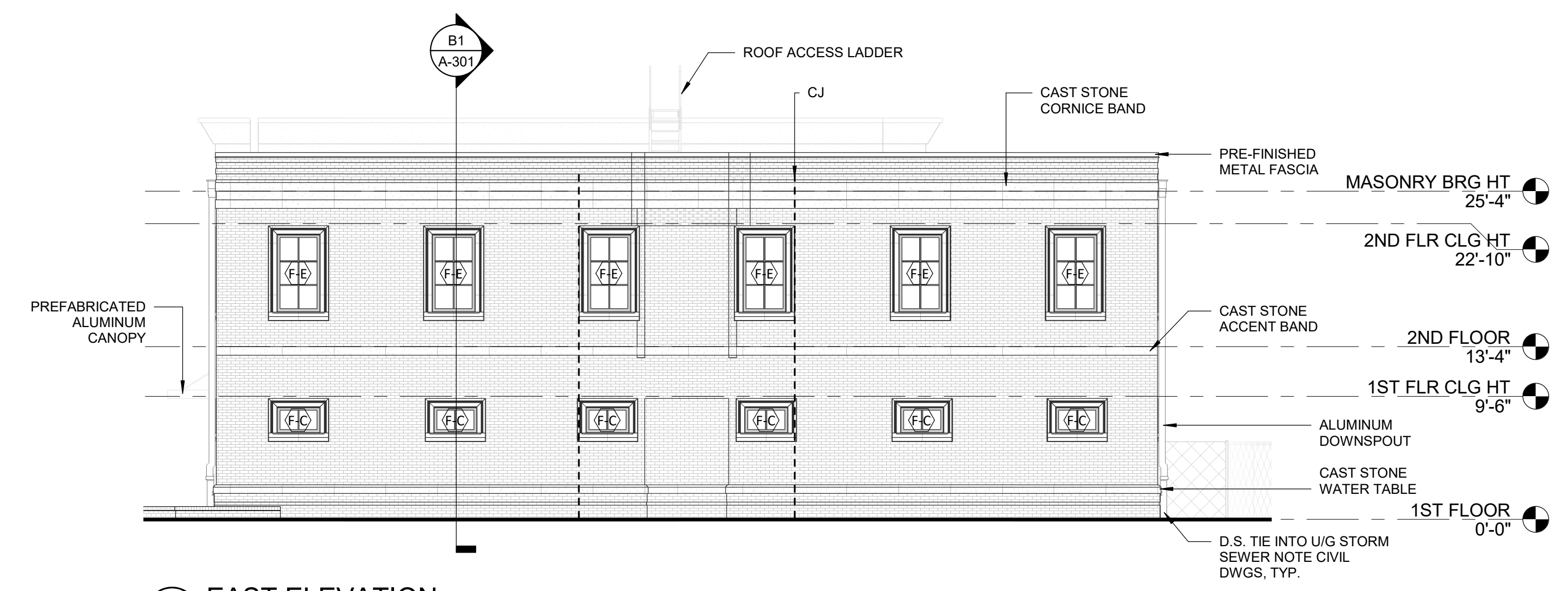
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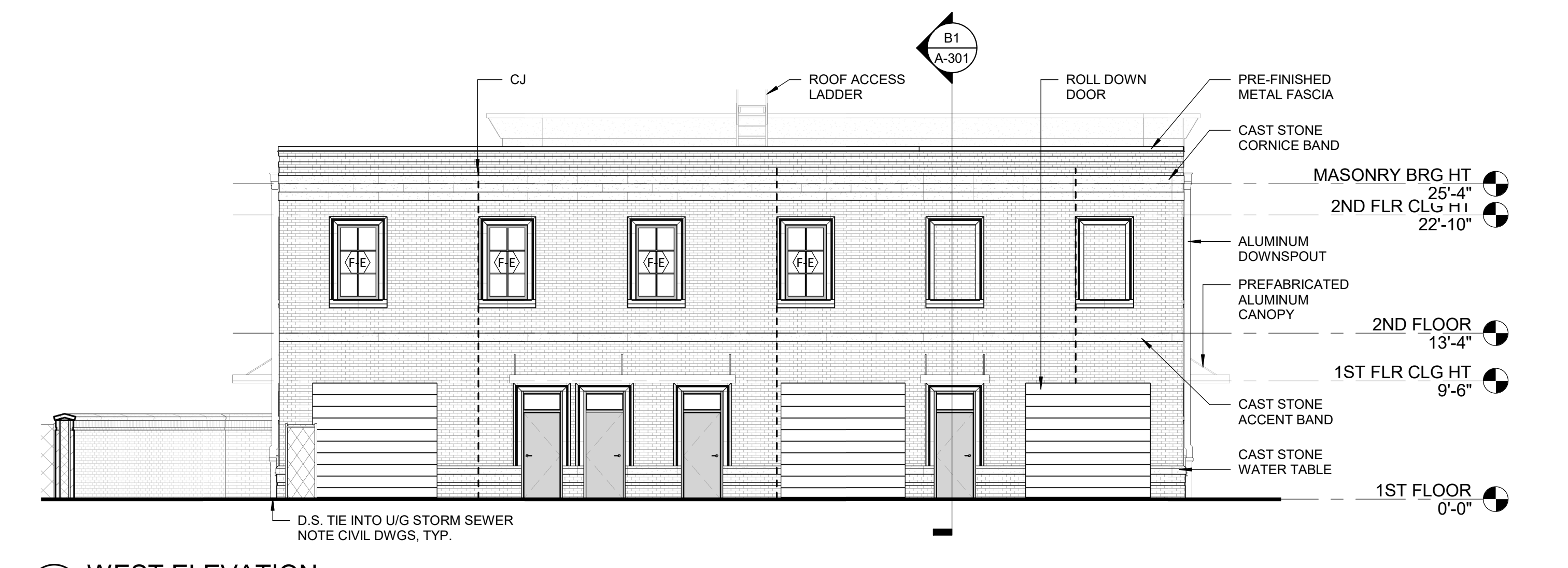
C1 SOUTH ELEVATION
 1/8" = 1'-0"



B1 NORTH ELEVATION
 1/8" = 1'-0"



A1 EAST ELEVATION
 1/8" = 1'-0"



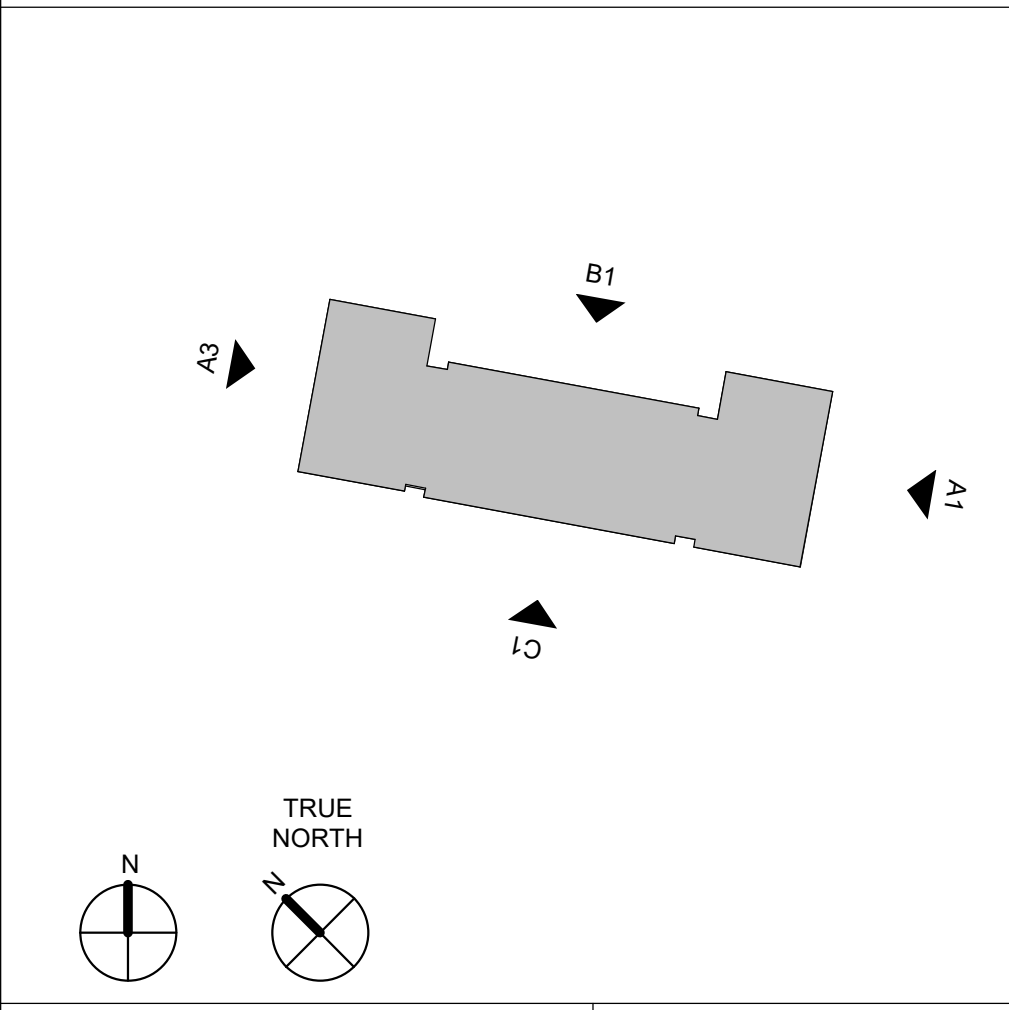
A3 WEST ELEVATION
 1/8" = 1'-0"

EXTERIOR ELEVATION LEGEND

- BRICK MASONRY VENEER - MODULAR SIZE**
- BMV-1 FIELD BRICK, COLOR 1
- CAST STONE VENEER - 8" LENGTHS**
- CS-1 GROUND-FACE, COLOR 1
- EIFS - CORNICE**
- EIFS-1 GROUND-FACE, COLOR 1
- METAL PANEL, 36"**
- MP-1 CORRUGATED METAL PANEL, COLOR 1
 - MP-2 METAL WALL PANEL, COLOR 2
- GENERAL ANNOTATIONS**
- CJ CONTROL JOINT
 - EF EXTERIOR LIGHT FIXTURE - SEE ELECT. DWGS.
 - HB HOSE BIB - SEE PLUMBING DWGS. - MIN 1/8" AFG

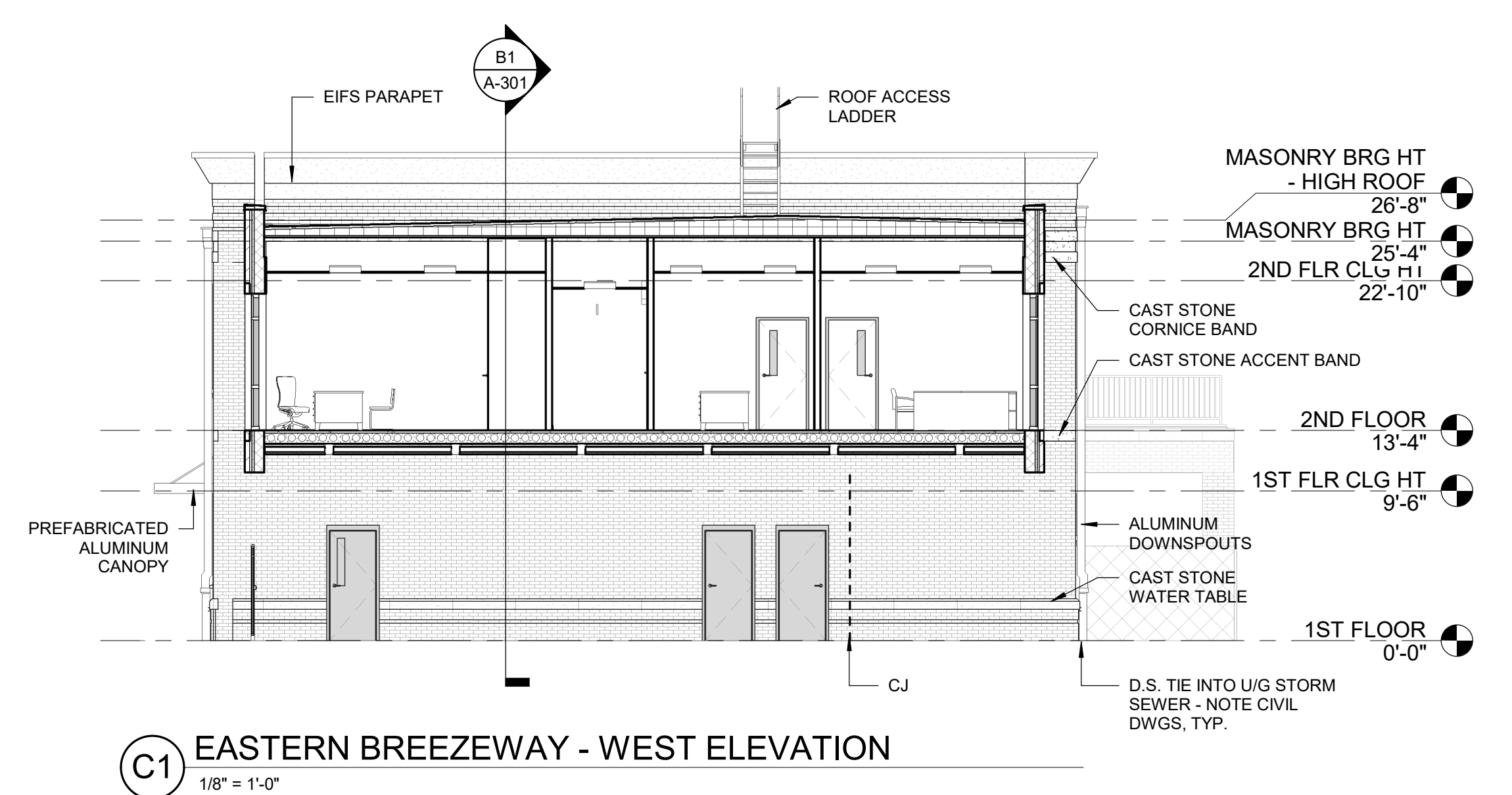
FOR GLAZING SCHEDULE, REFER TO WINDOW, STOREFRONT, AND CURTAIN WALL SHEETS

KEY PLAN

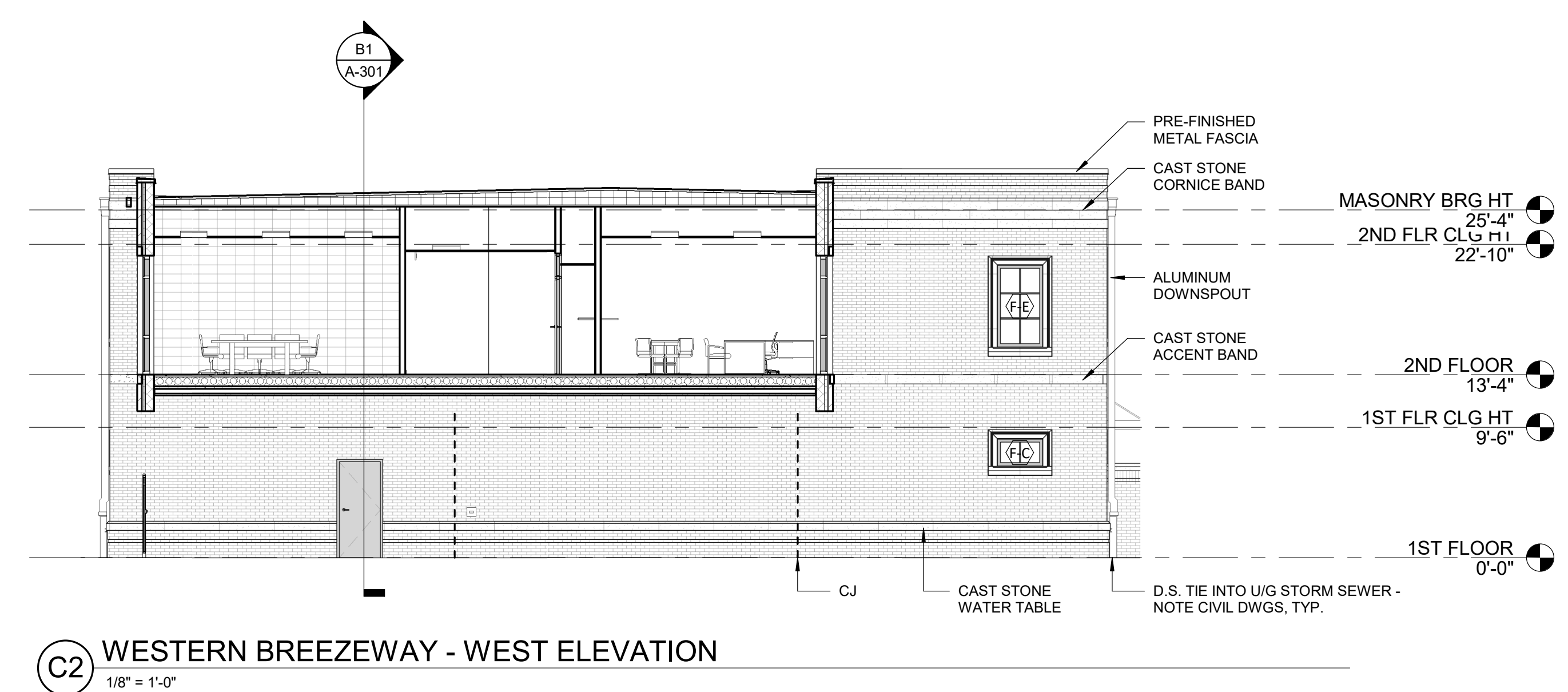


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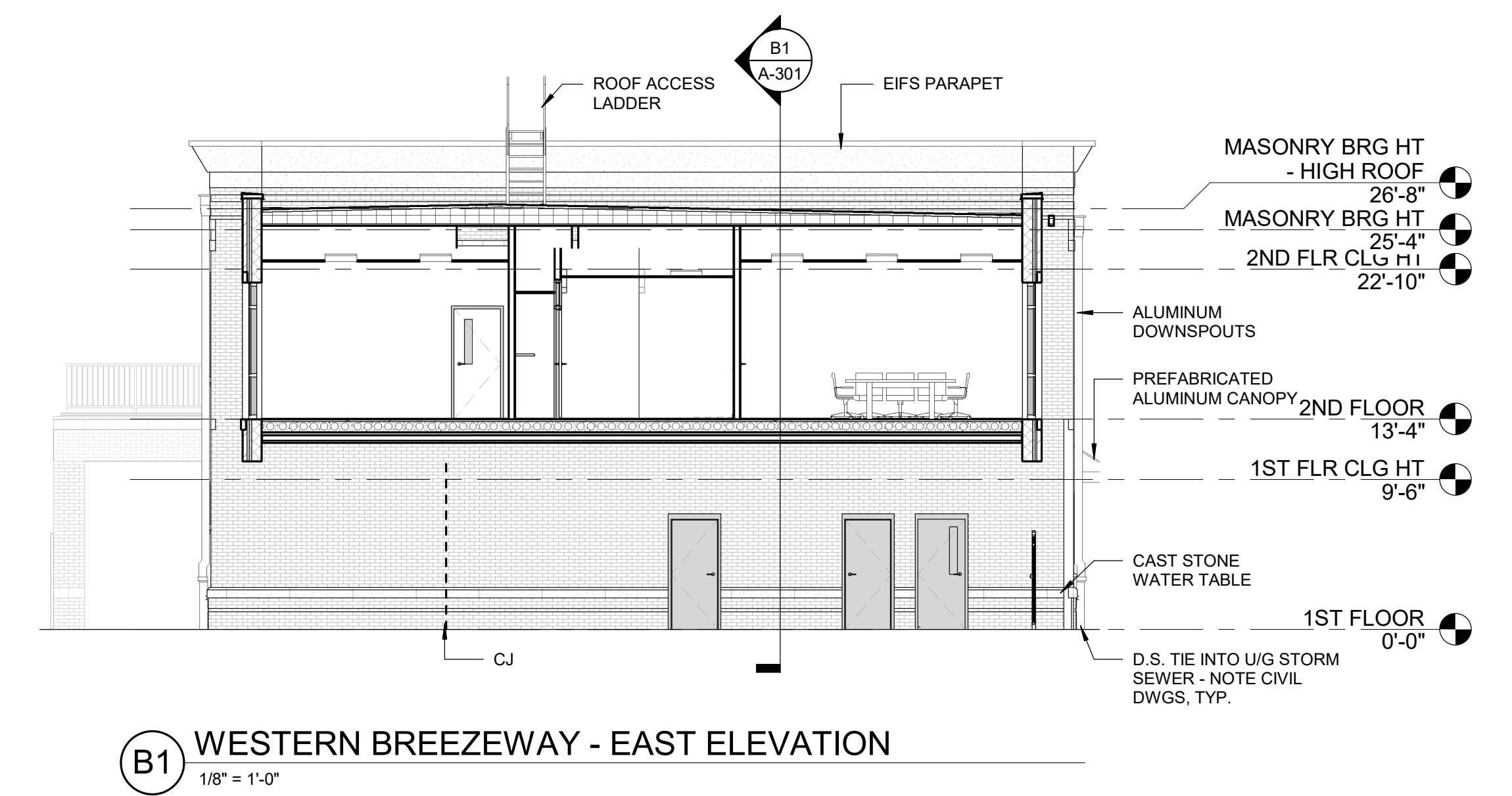
E
D
C
B
A



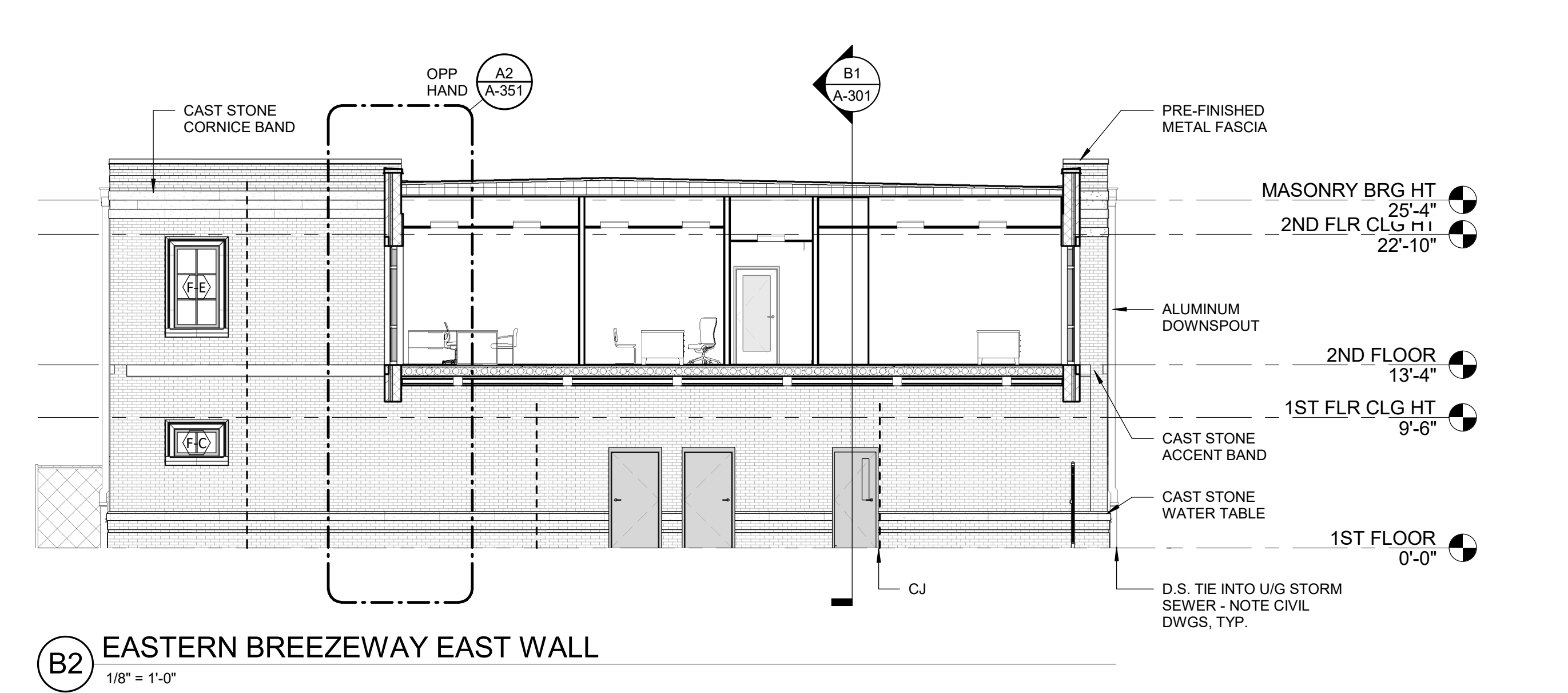
C1 EASTERN BREEZEWAY - WEST ELEVATION
1/8" = 1'-0"



C2 WESTERN BREEZEWAY - WEST ELEVATION
1/8" = 1'-0"



B1 WESTERN BREEZEWAY - EAST ELEVATION
1/8" = 1'-0"



B2 EASTERN BREEZEWAY EAST WALL
1/8" = 1'-0"

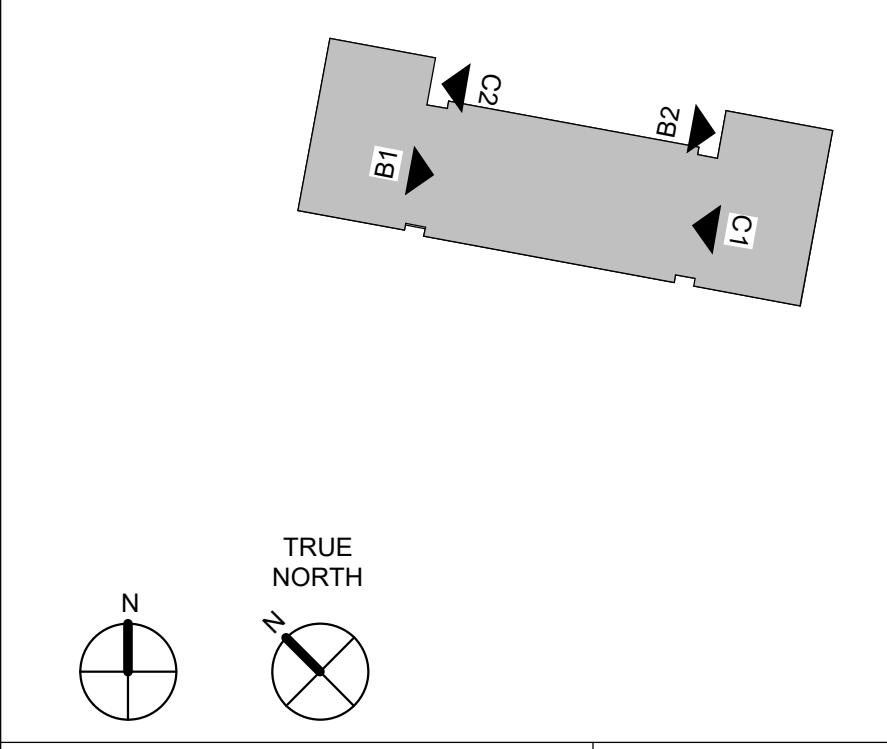
EXTERIOR ELEVATION LEGEND

- BRICK MASONRY VENEER - MODULAR SIZE**
- BMV-1 FIELD BRICK, COLOR 1
- CAST STONE VENEER - 8" LENGTHS**
- CS-1 GROUND-FACE, COLOR 1
- EIFS - CORNICE**
- EIFS-1 GROUND-FACE, COLOR 1
- METAL PANEL, 36"**
- MP-1 CORRUGATED METAL PANEL, COLOR 1
 - MP-2 METAL WALL PANEL, COLOR 2

- GENERAL ANNOTATIONS**
- CJ CONTROL JOINT
 - EF EXTERIOR LIGHT FIXTURE - SEE ELECT. DWGS.
 - HB HOSE BIB - SEE PLUMBING DWGS. - MIN 18" AFG

FOR GLAZING SCHEDULE, REFER TO WINDOW, STOREFRONT, AND CURTAIN WALL SHEETS

KEY PLAN



1 2 3 4 5 6

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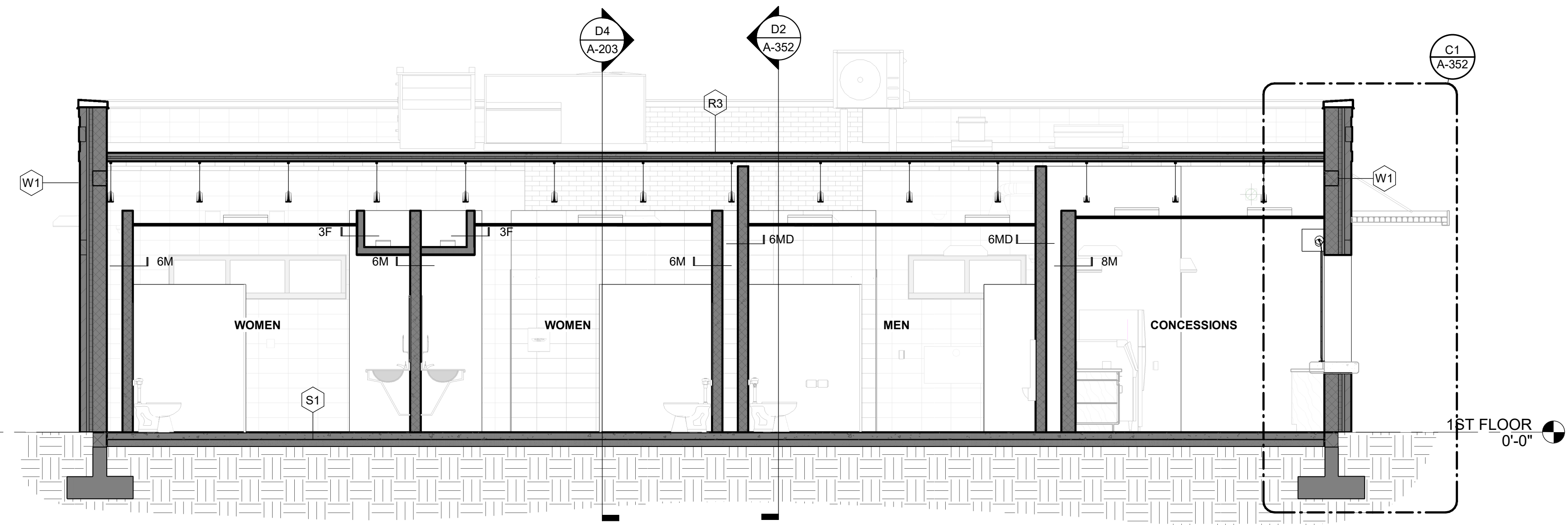
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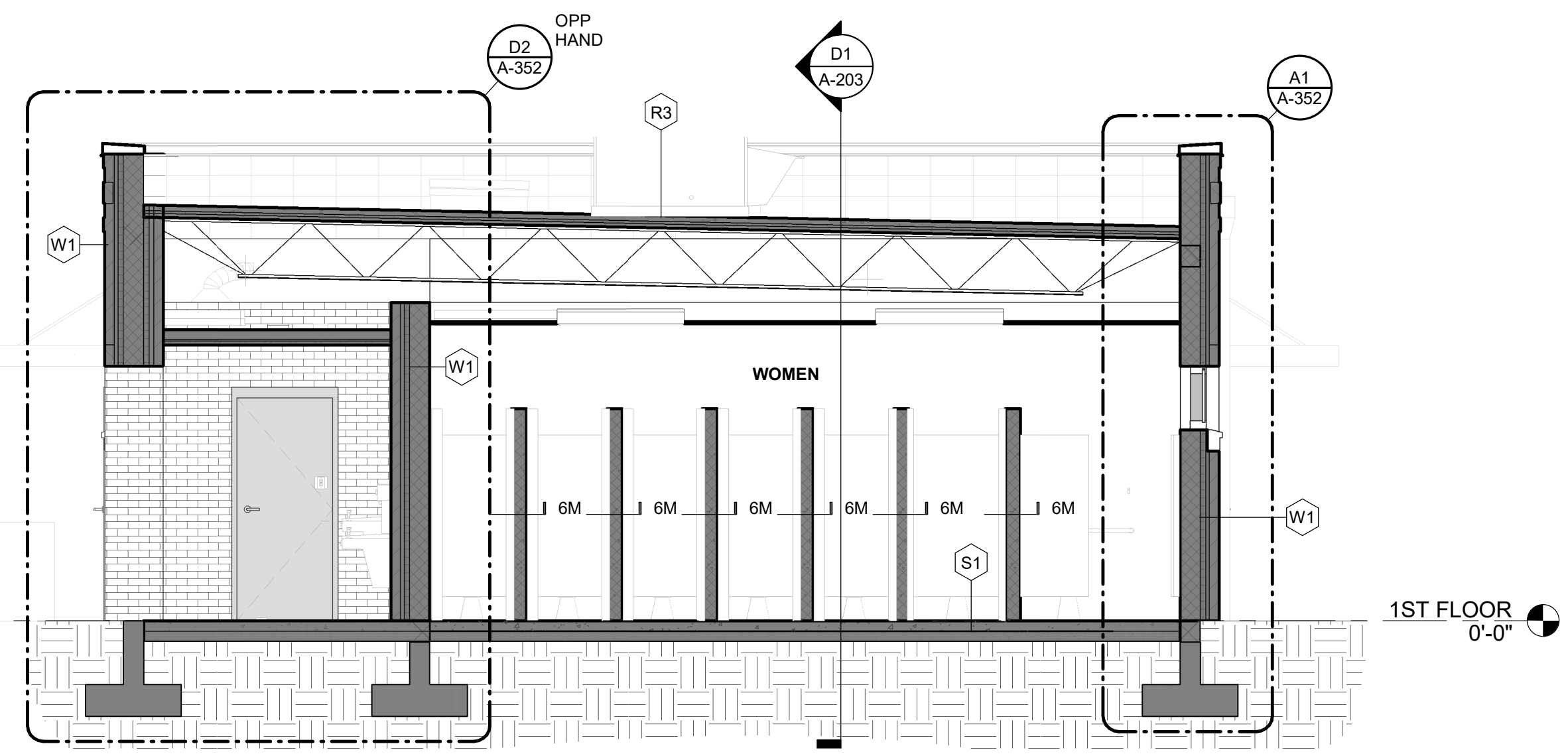
PROJECT: 5201-192070
 DATE: 05/12/2023
 DRAWN BY: KAS
 CHECKED BY: AWM

EXTERIOR ELEVATIONS AND BUILDING SECTIONS - RESTROOM

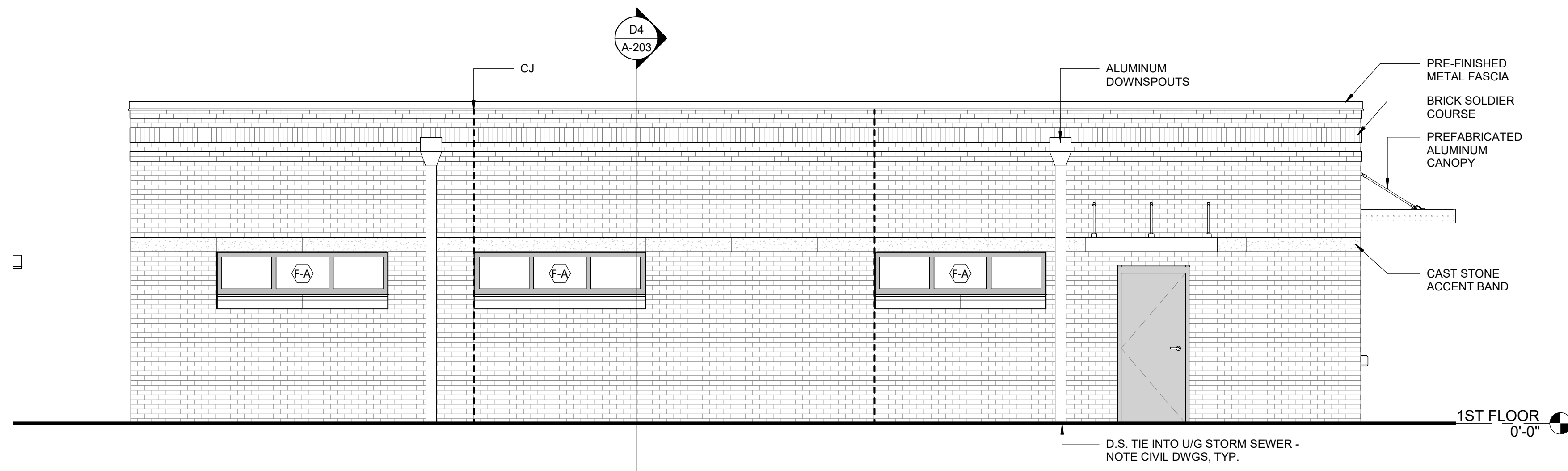
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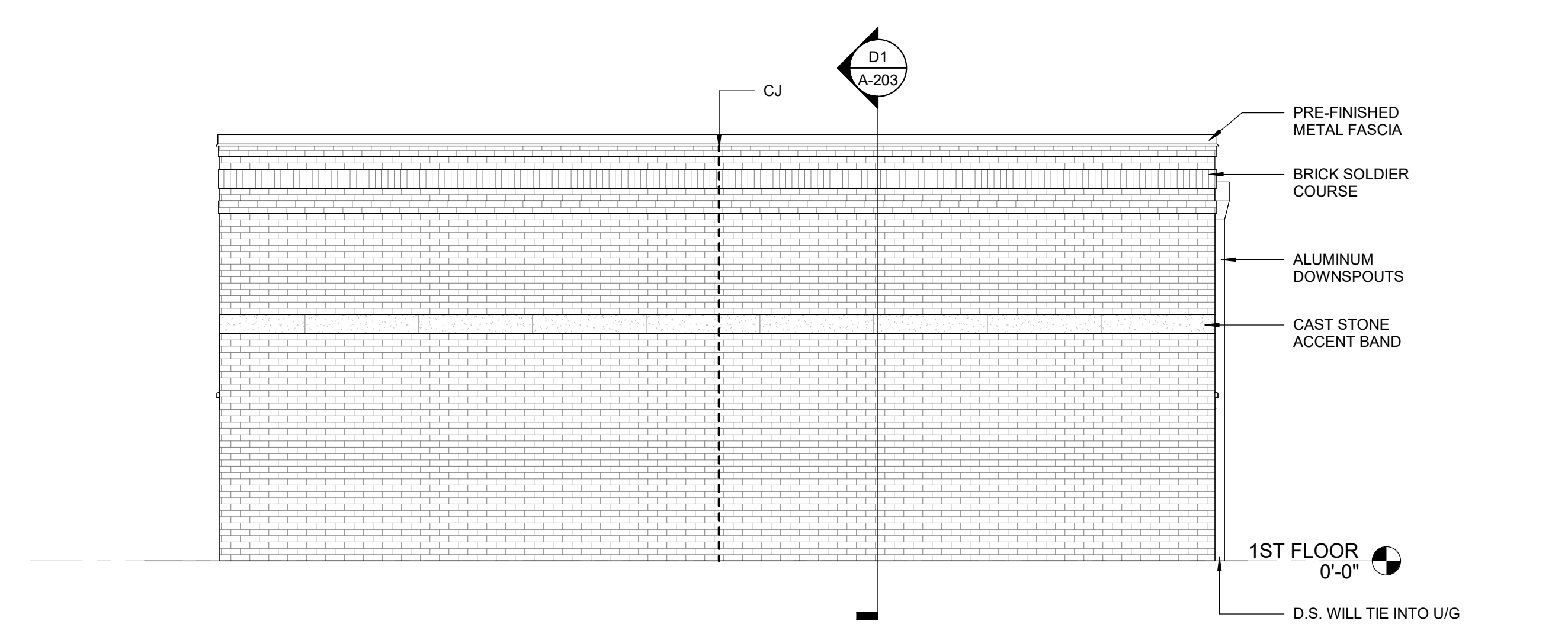
D1 LONGITUDINAL BUILDING SECTION - RESTROOM
 1/4" = 1'-0"



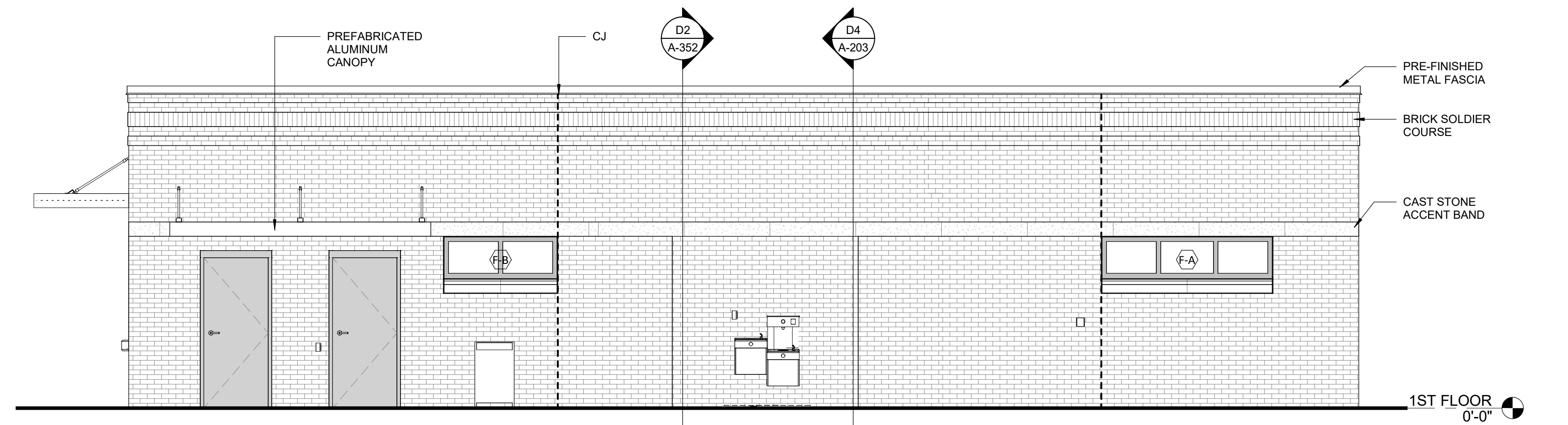
D4 TRANSVERSE BUILDING SECTION - RESTROOM
 1/4" = 1'-0"



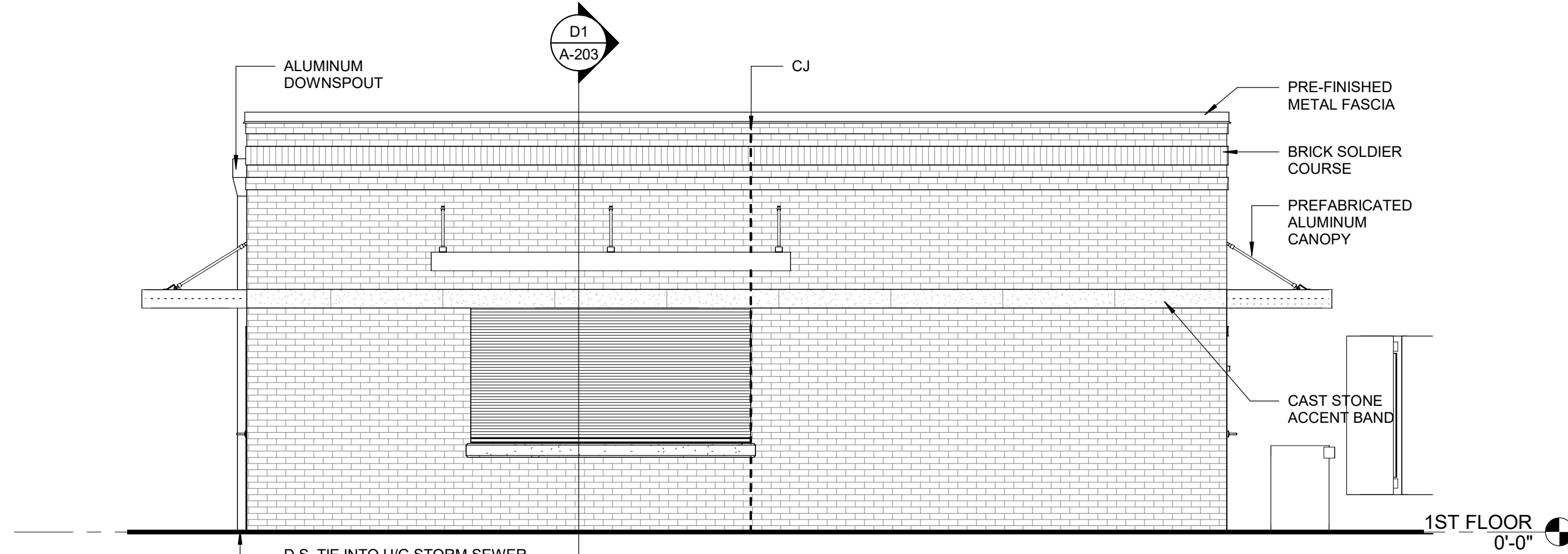
B1 EAST ELEVATION - RESTROOMS
 1/4" = 1'-0"



B4 SOUTH ELEVATION - RESTROOMS
 1/4" = 1'-0"



A1 WEST ELEVATION - RESTROOMS
 1/4" = 1'-0"



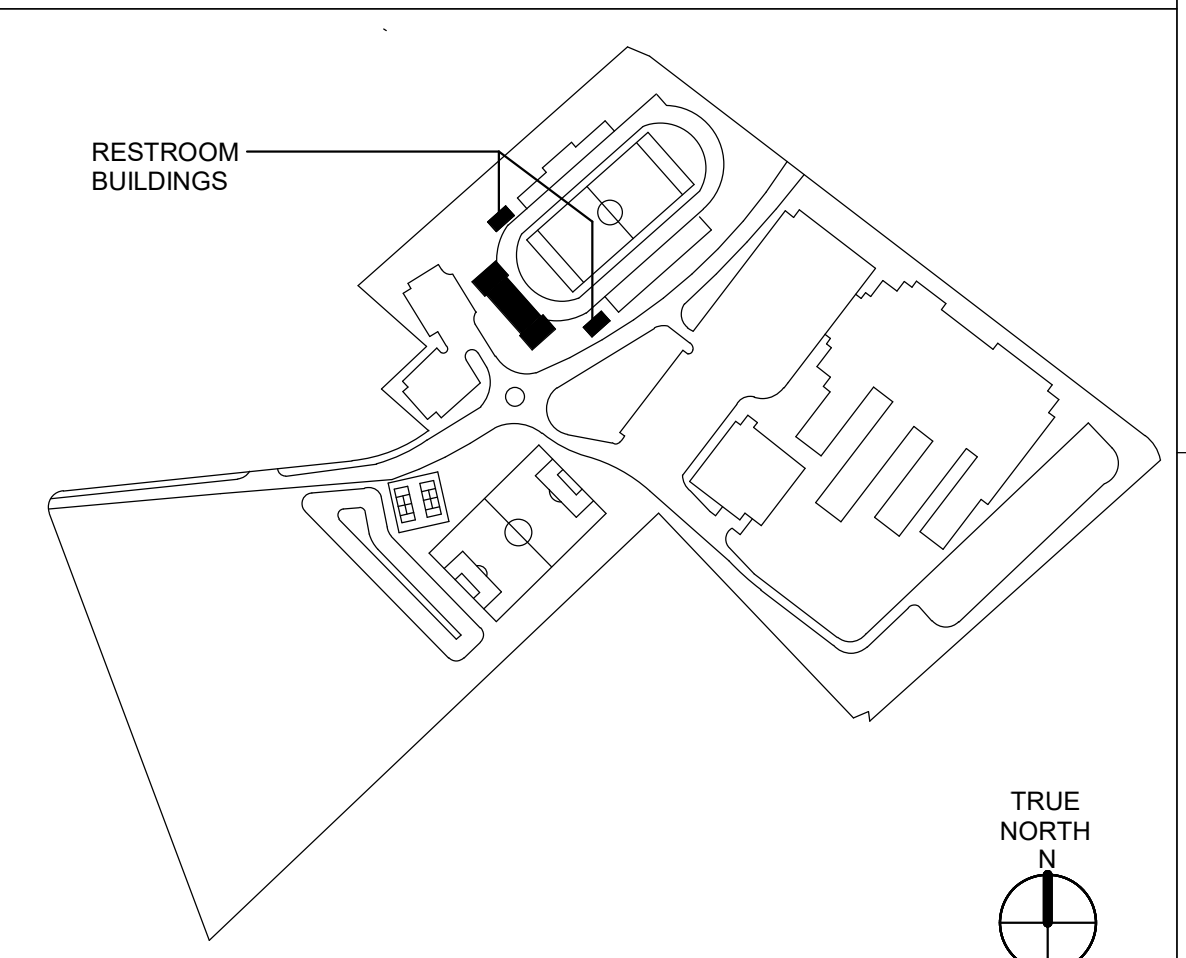
A4 NORTH ELEVATION - RESTROOMS
 1/4" = 1'-0"

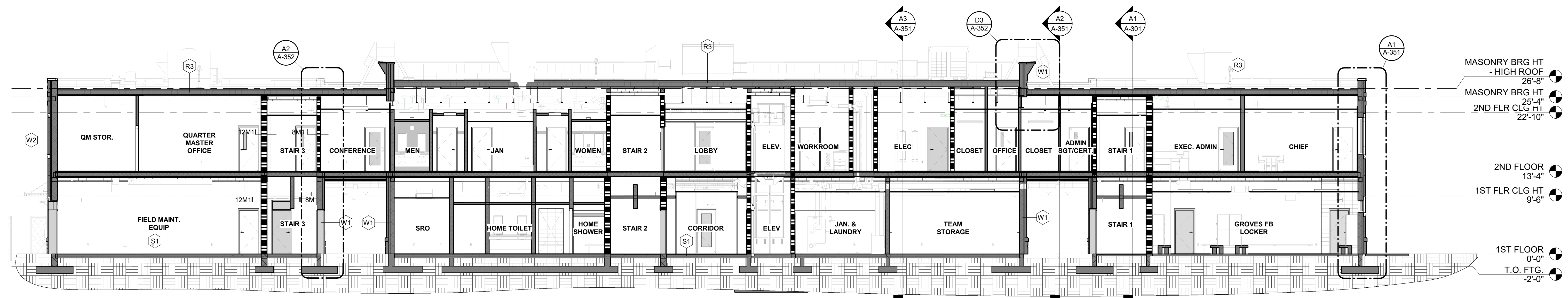
EXTERIOR ELEVATION LEGEND

- BRICK MASONRY VENEER - MODULAR SIZE**
- BMV-1 FIELD BRICK, COLOR 1
- CAST STONE VENEER - 8" LENGTHS**
- CS-1 GROUND-FACE, COLOR 1
- EIFS - CORNICE**
- EIFS-1 GROUND-FACE, COLOR 1
- METAL PANEL, 36"**
- MP-1 CORRUGATED METAL PANEL, COLOR 1
 - MP-2 METAL WALL PANEL, COLOR 2

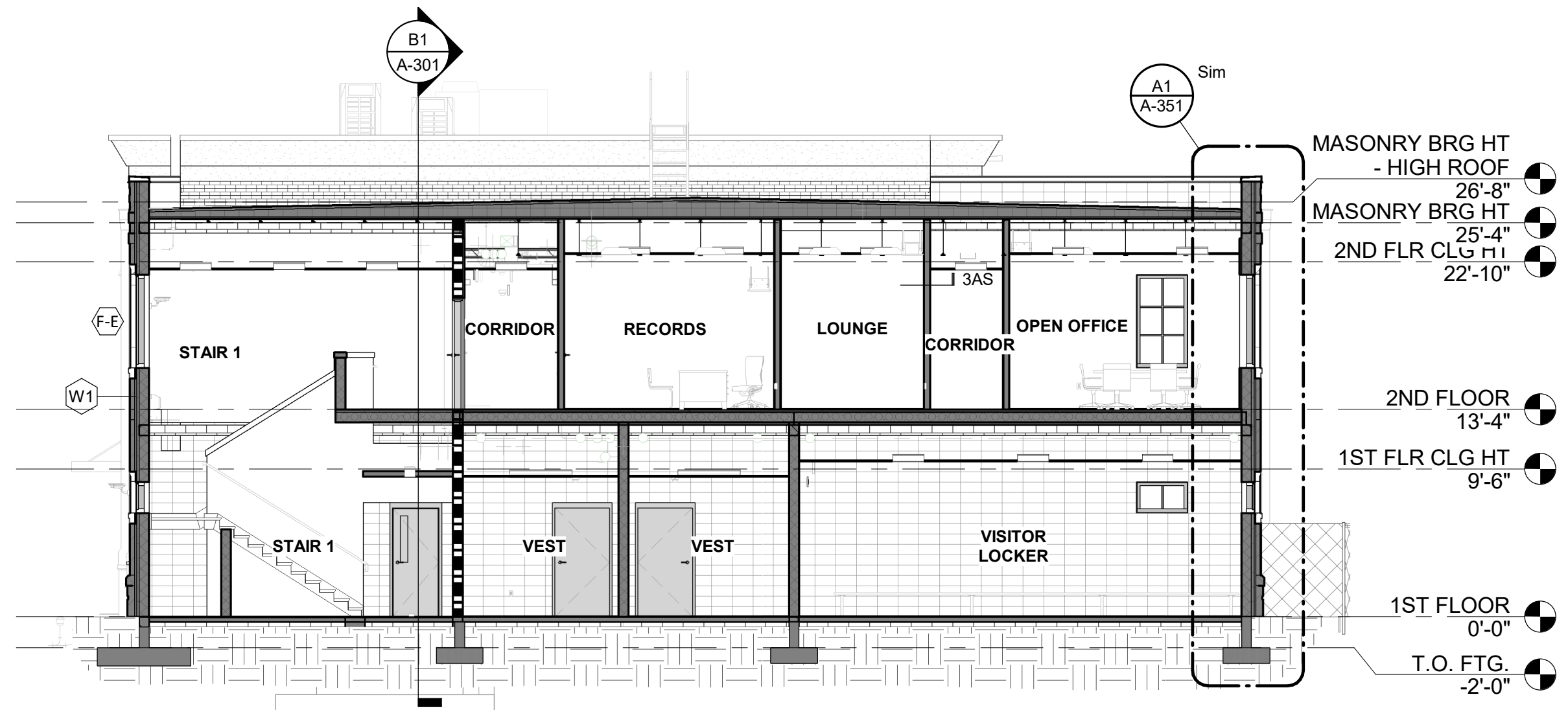
- GENERAL ANNOTATIONS**
- CJ CONTROL JOINT
 - EF EXTERIOR LIGHT FIXTURE - SEE ELECT. DWGS.
 - HB HOSE BIB - SEE PLUMBING DWGS. - MIN 18" AFG
- FOR GLAZING SCHEDULE, REFER TO WINDOW, STOREFRONT, AND CURTAIN WALL SHEETS

KEY PLAN





B1 LONGITUDINAL BUILDING SECTION - FIELDHOUSE
1/8" = 1'-0"



A1 TRANSVERSE BUILDING SECTION - FIELDHOUSE
1/8" = 1'-0"



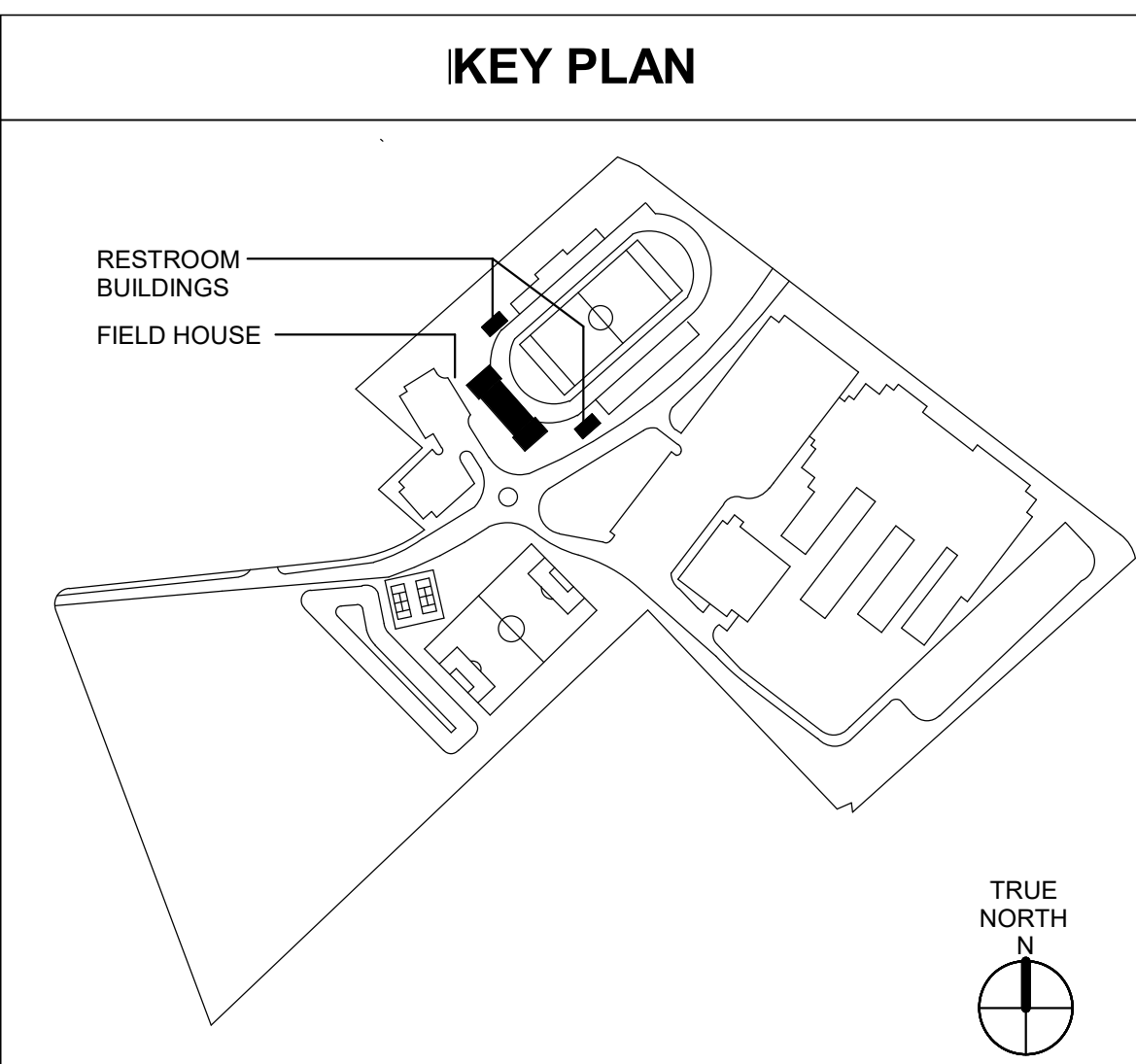
321 WEST CONGRESS STREET SUITE 301
SAVANNAH, GEORGIA 31401
TEL. 912.695.2111 FAX 912.298.0206
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CHECKED BY: AWM

**BUILDING
SECTIONS**

A-301



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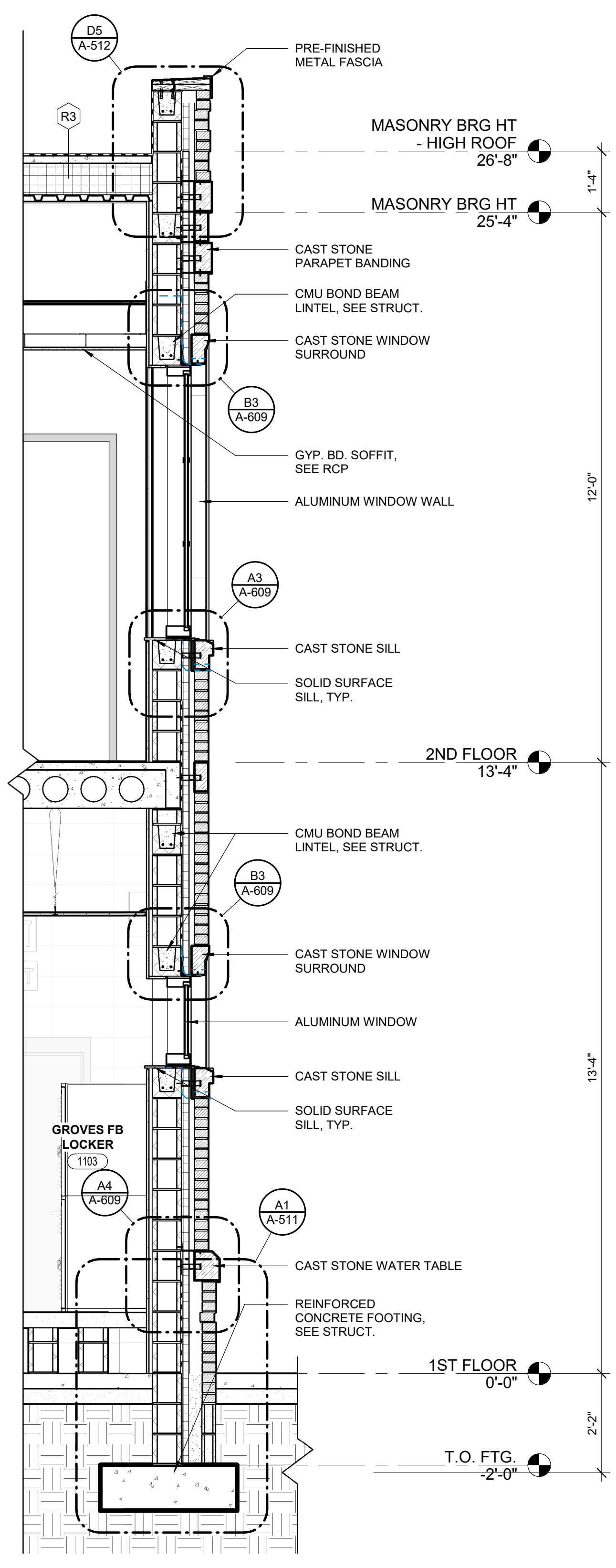
No.	Description	Date

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DATE: 05/12/2023
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CHECKED BY: AWM

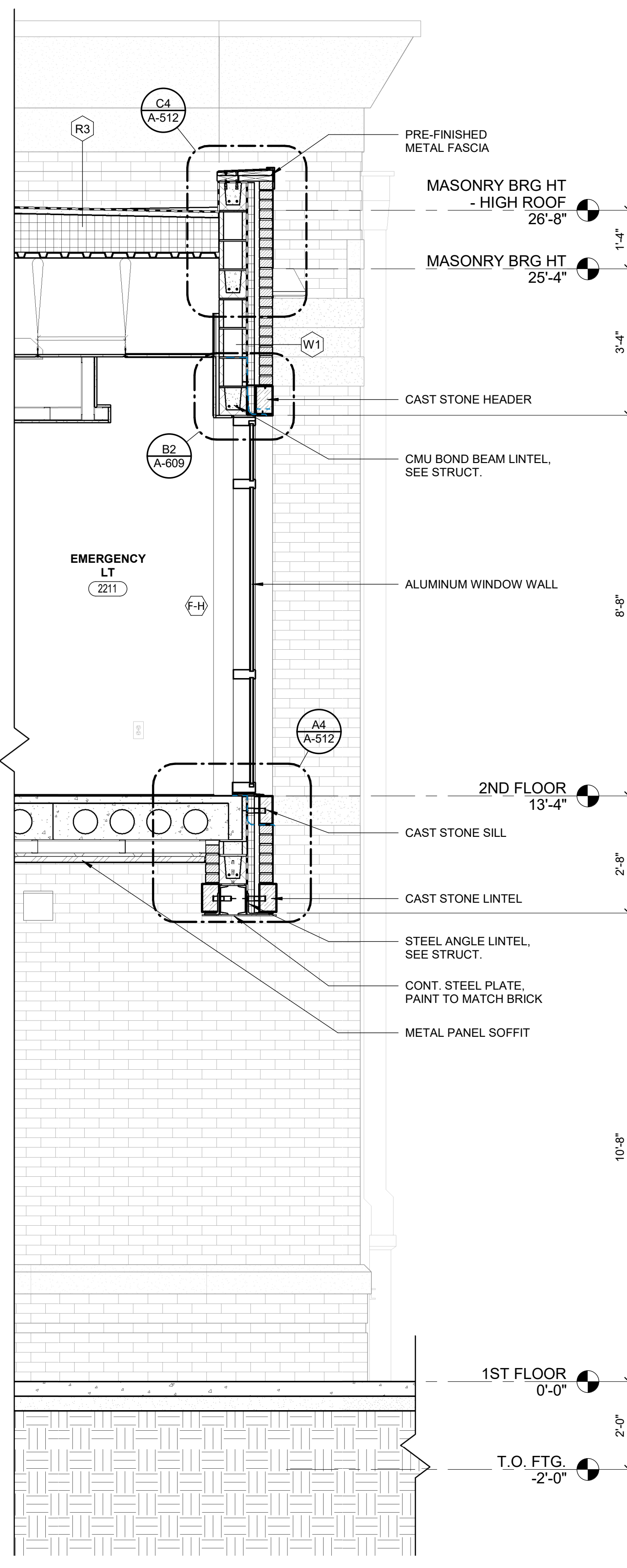
WALL SECTIONS

A-351

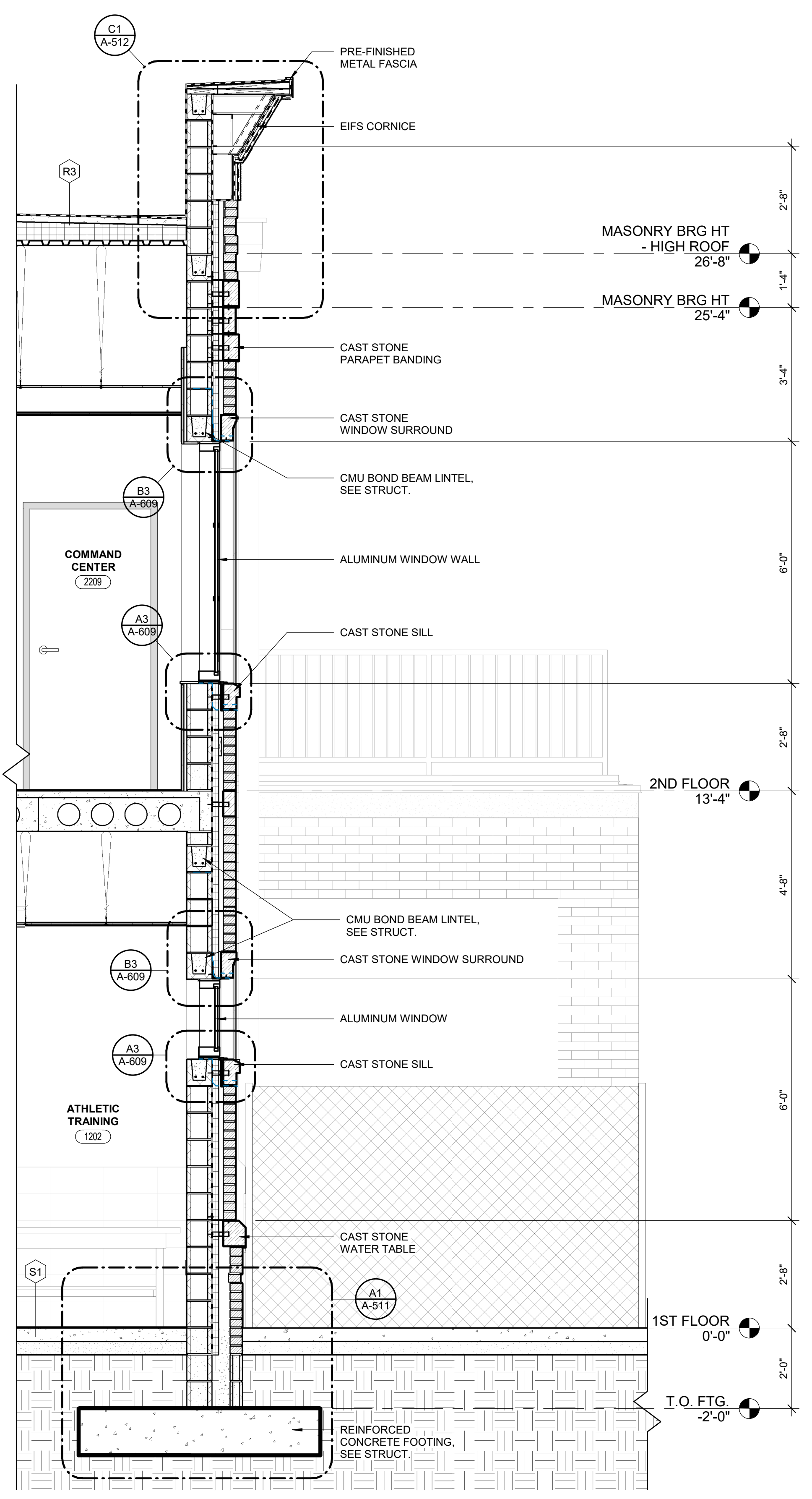
E
D
C
B
A



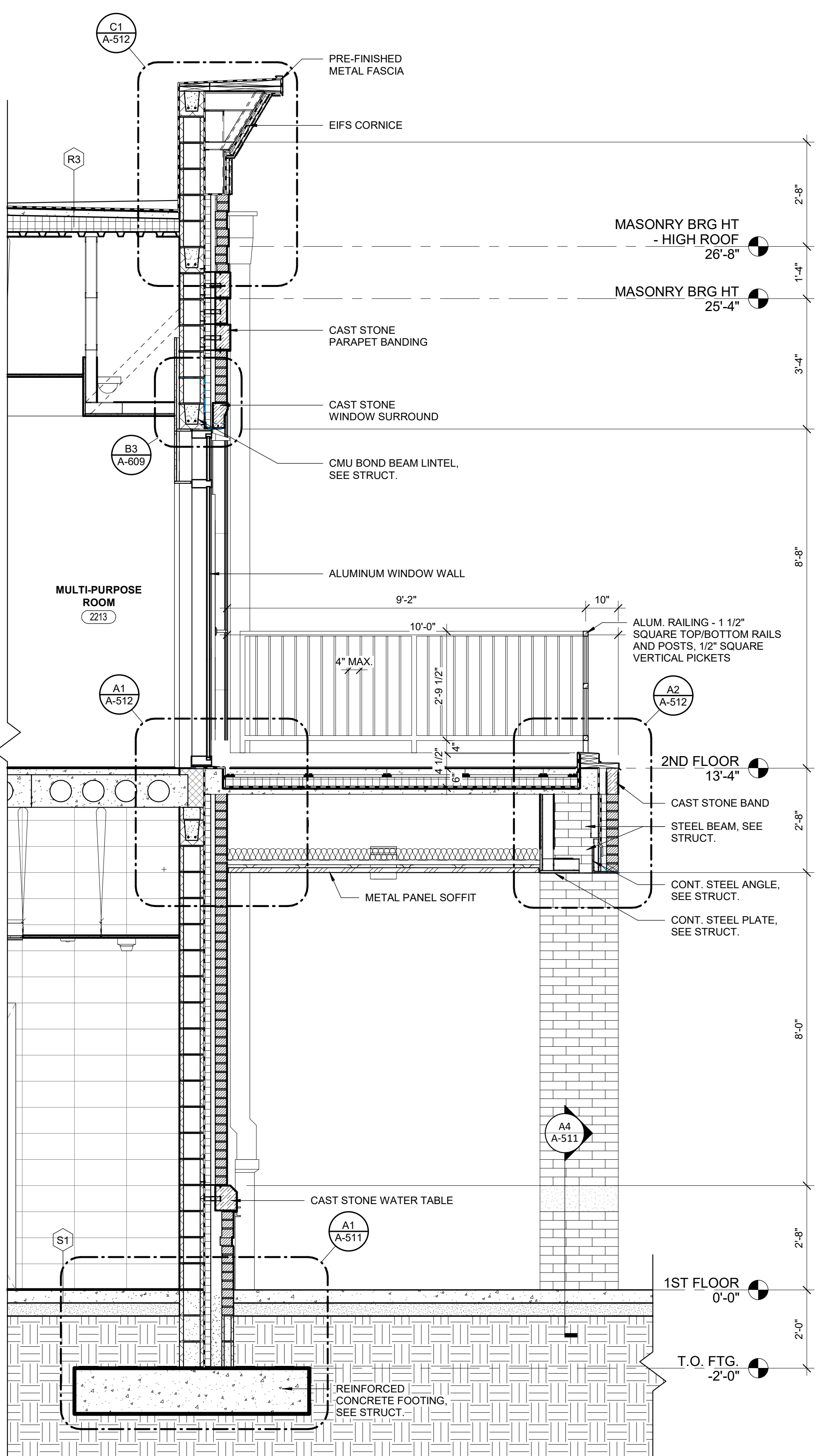
A1 TYP. WALL SECTION
1/2" = 1'-0"



A2 WALL SECTION @ BREEZEWAY OVERHANG
1/2" = 1'-0"



A3 TYP. HIGH WALL SECTION
1/2" = 1'-0"



A4 WALL SECTION @ BALCONY
1/2" = 1'-0"

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5/29/2023 11:04:00 AM

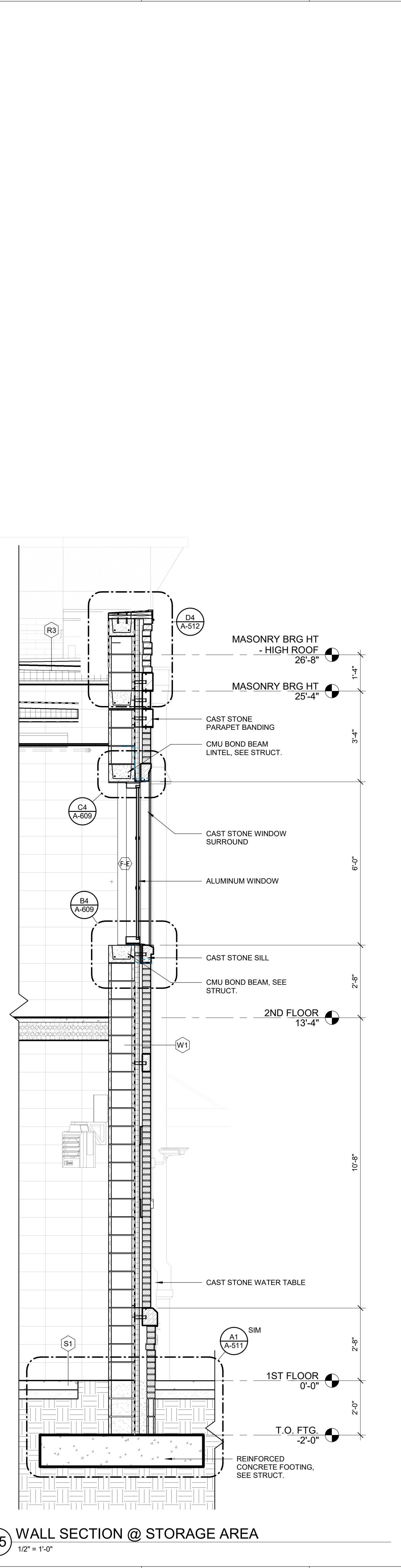
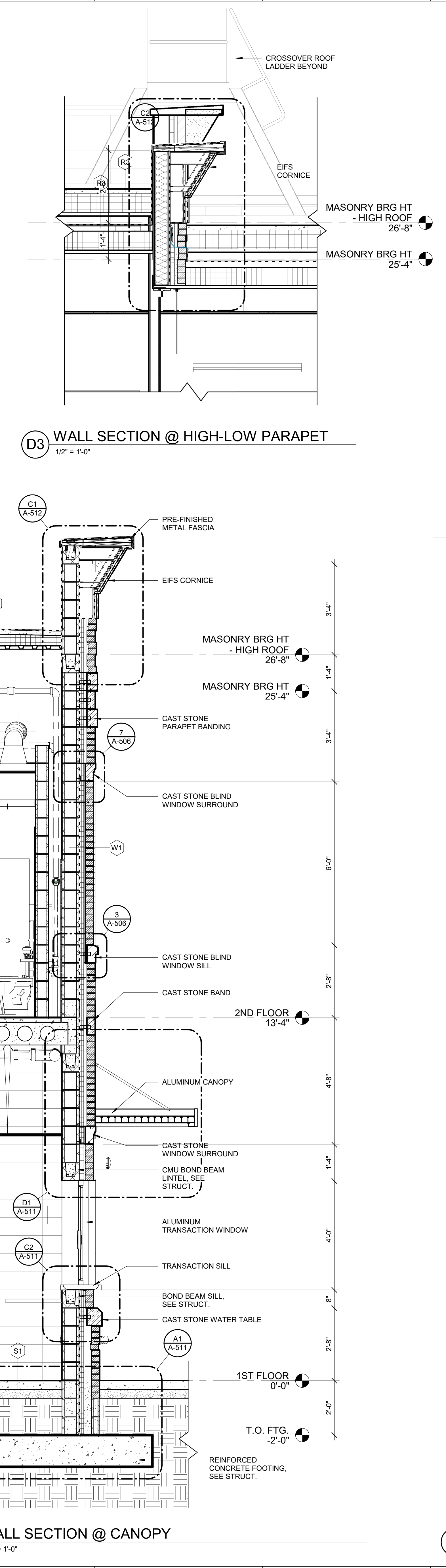
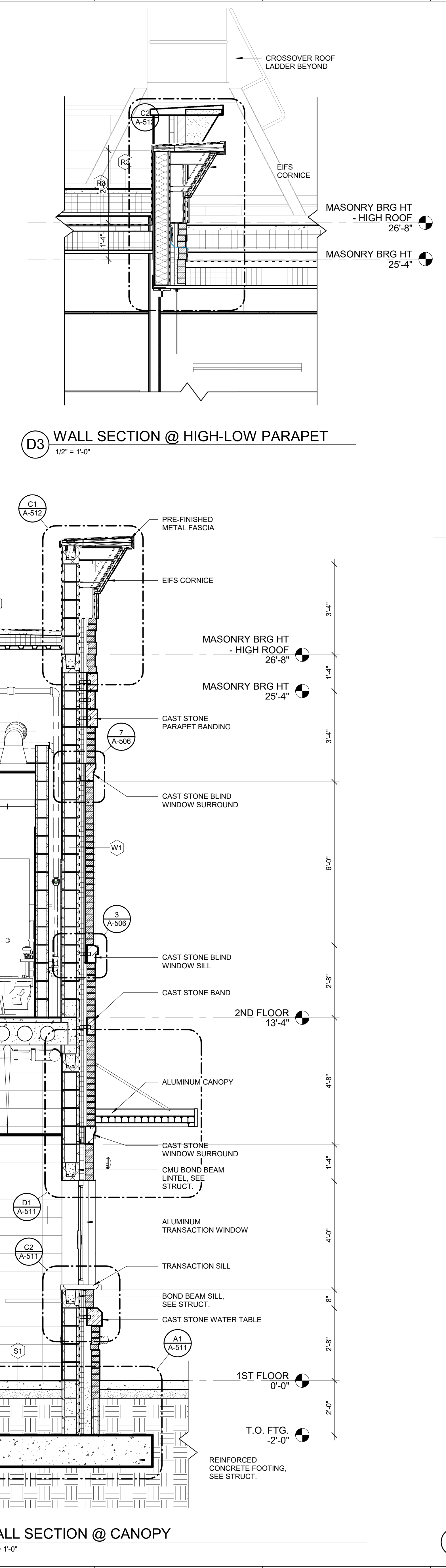
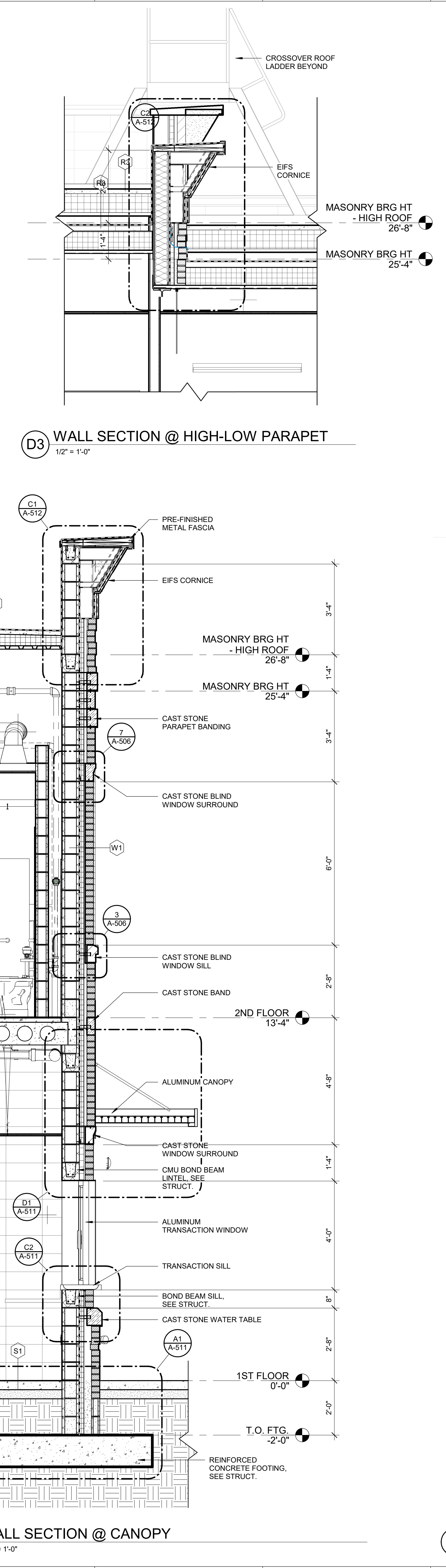
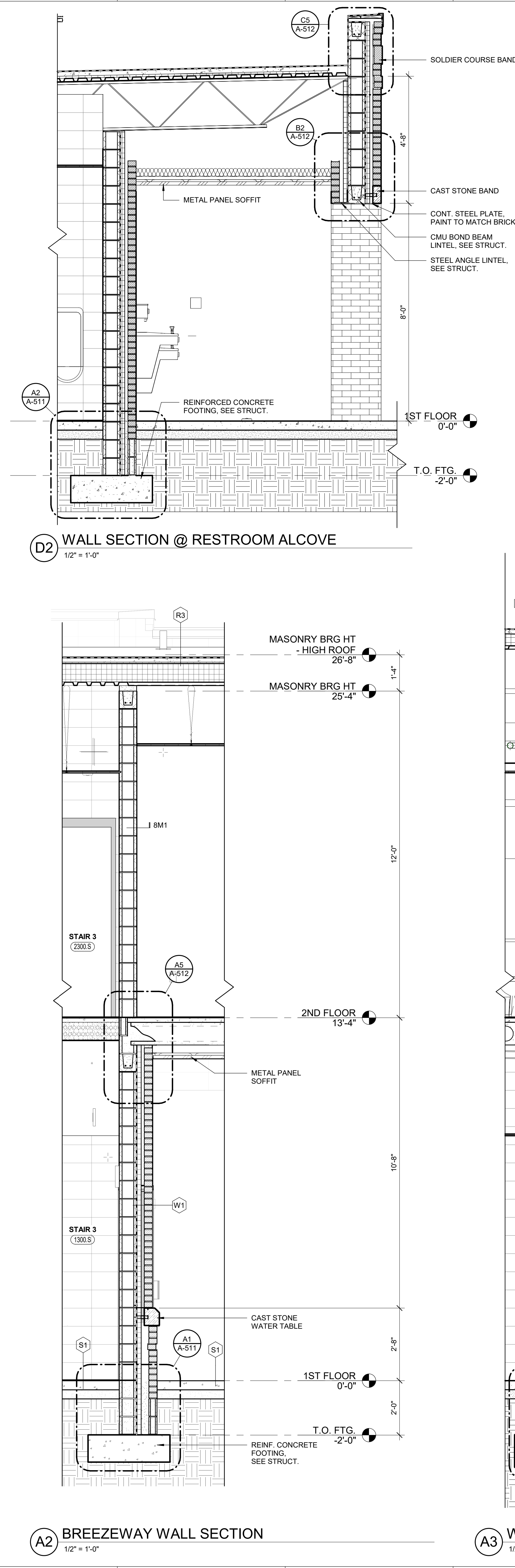
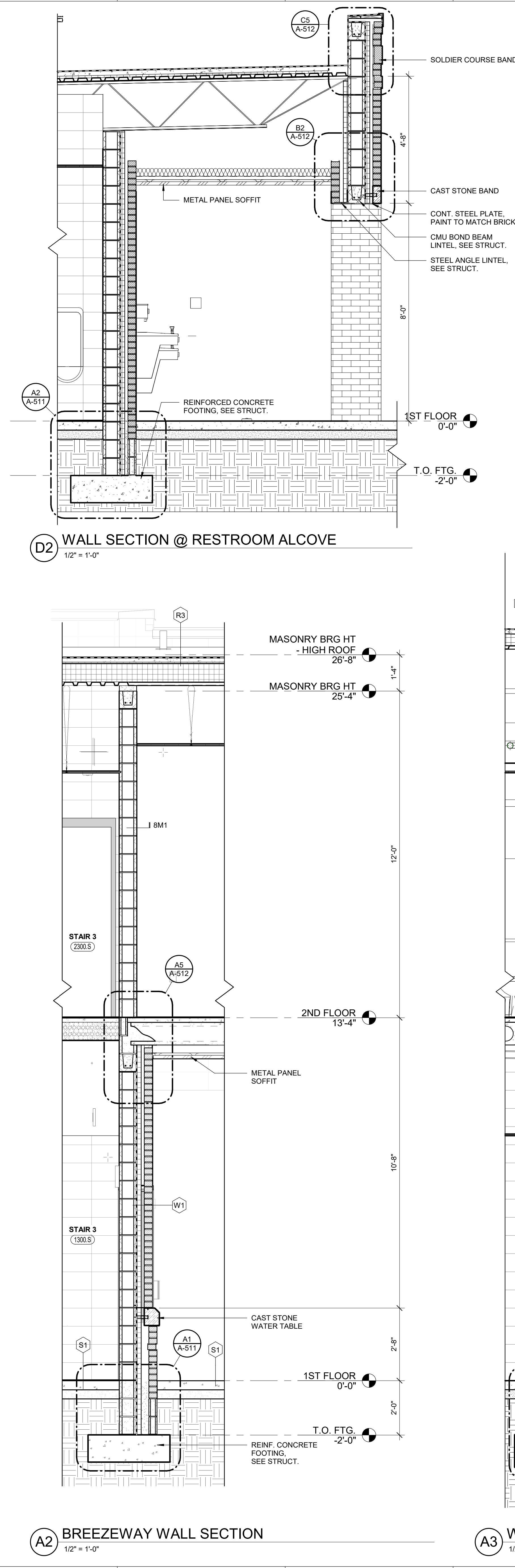
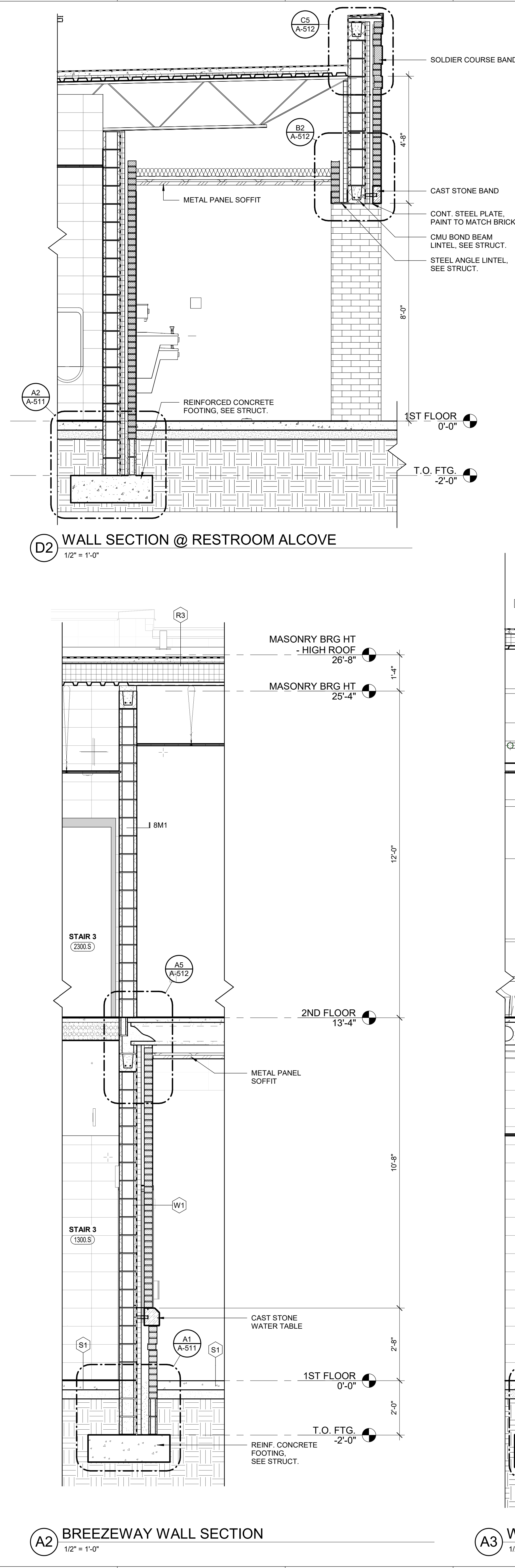
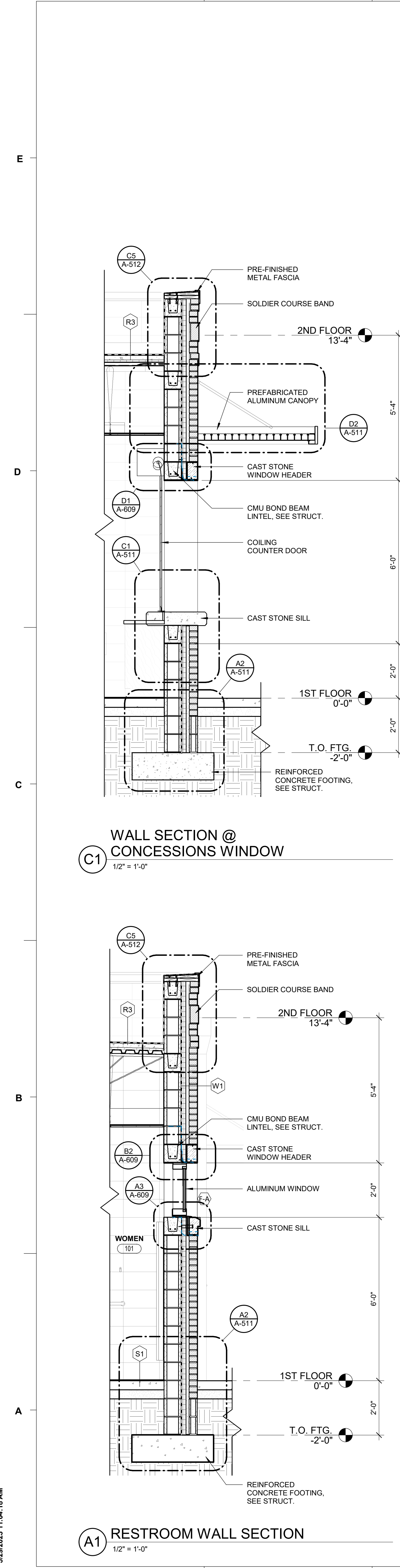
REVISIONS:

No.	Description	Date

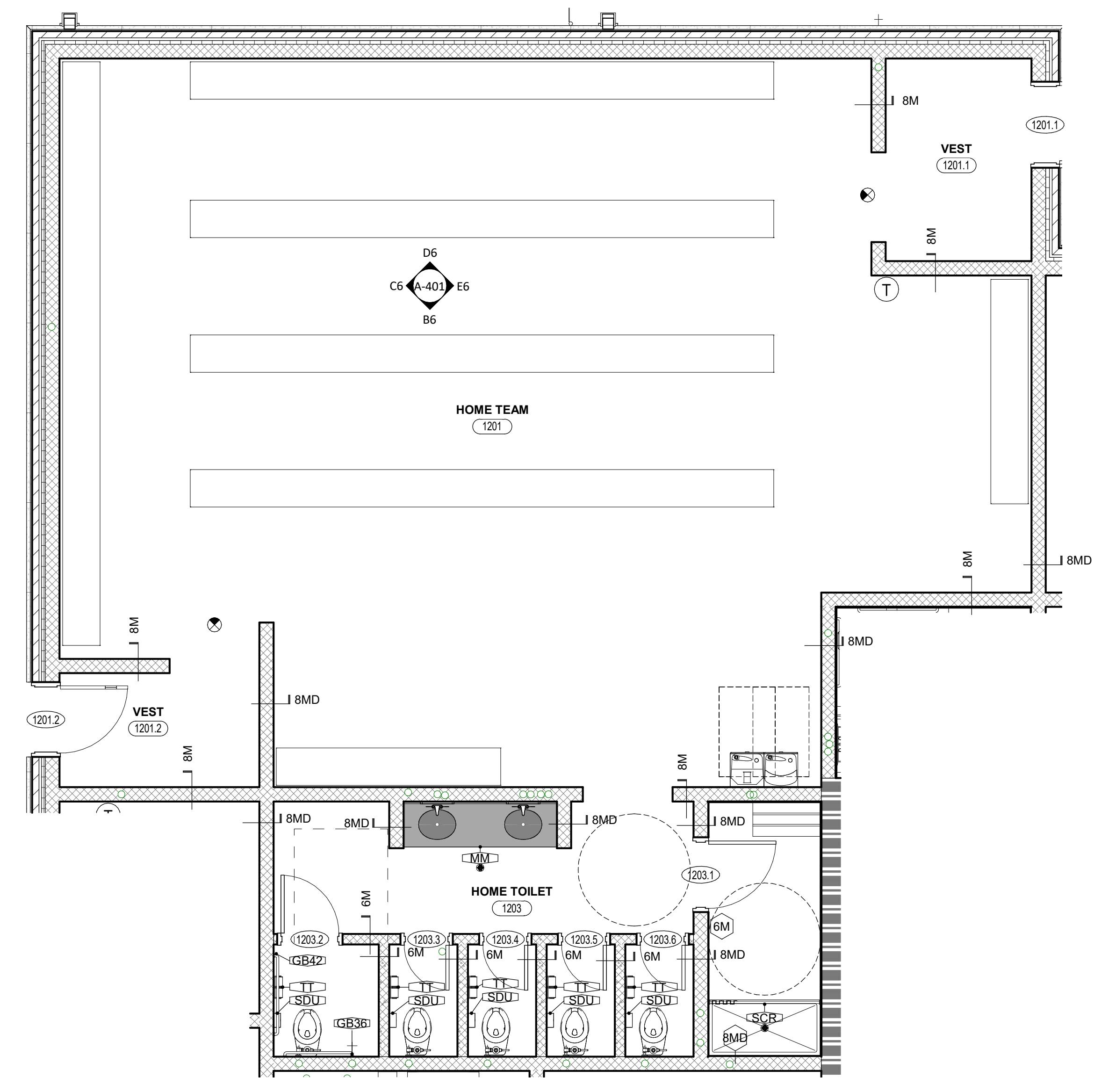
PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: KAS
CHECKED BY: AWM

WALL
SECTIONS

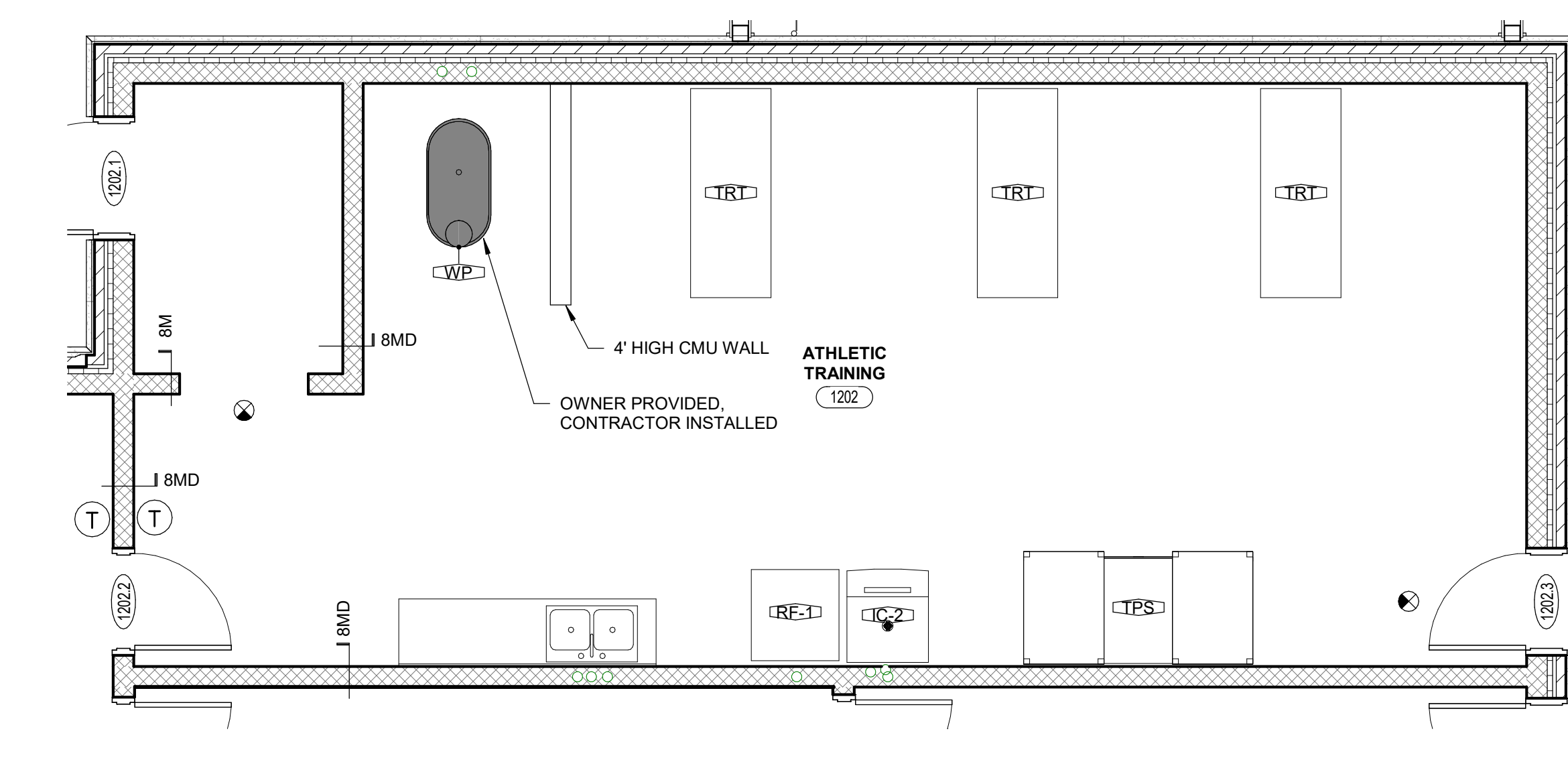
A-352



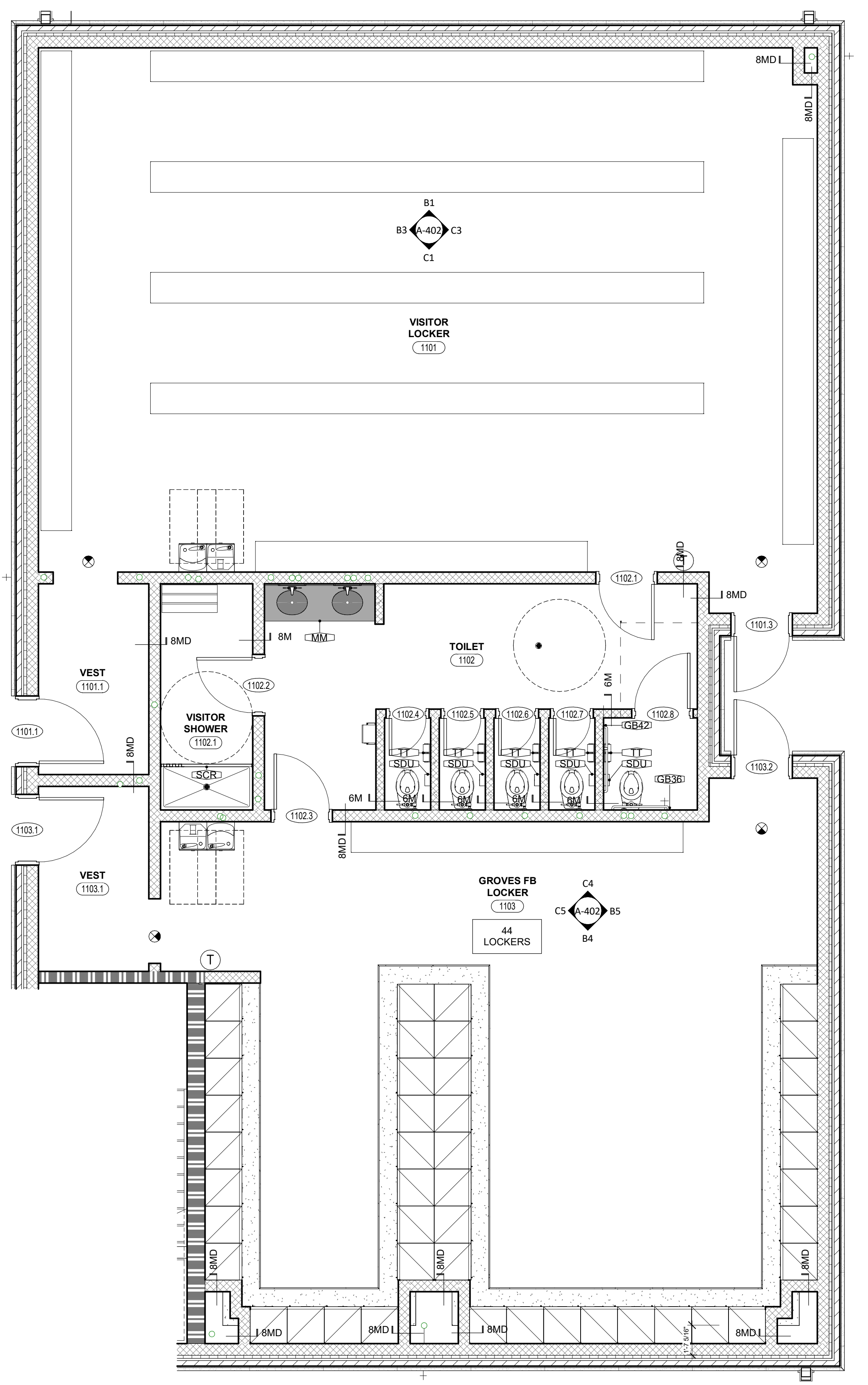
BIM 360/5201-192070 SCCPSS NEW K-12 ATHLETICS ARCH_GrovesK12_Fieldhouse_NEW.rvt
5/29/2023 11:04:18 AM



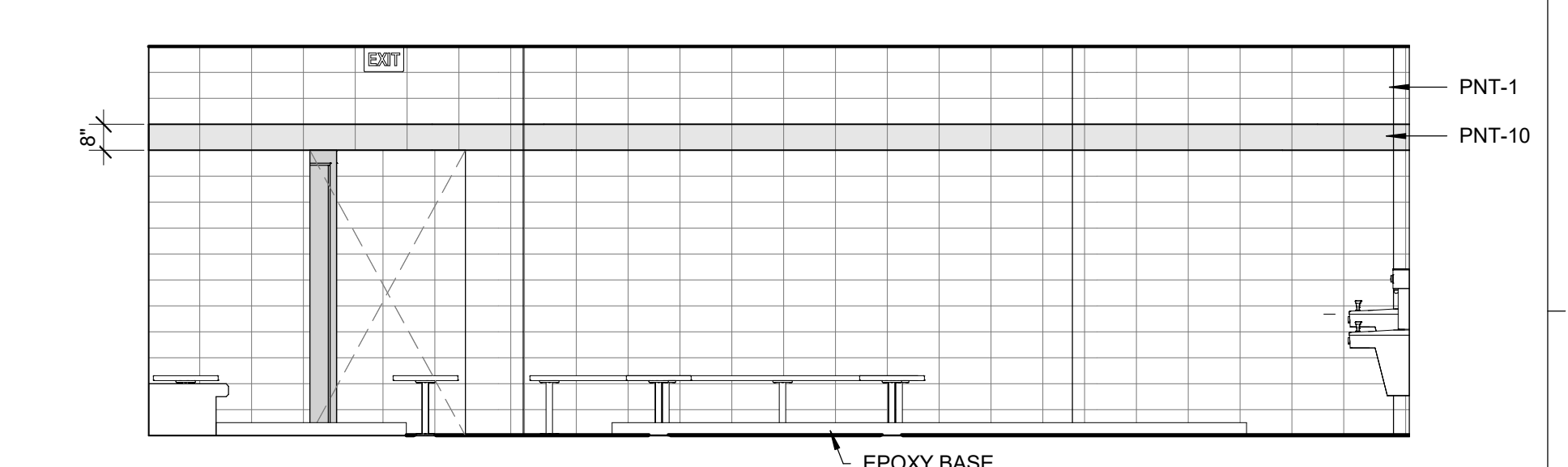
C1 ENLARGED FLOOR PLAN - HOME LOCKERS
1/4" = 1'-0"



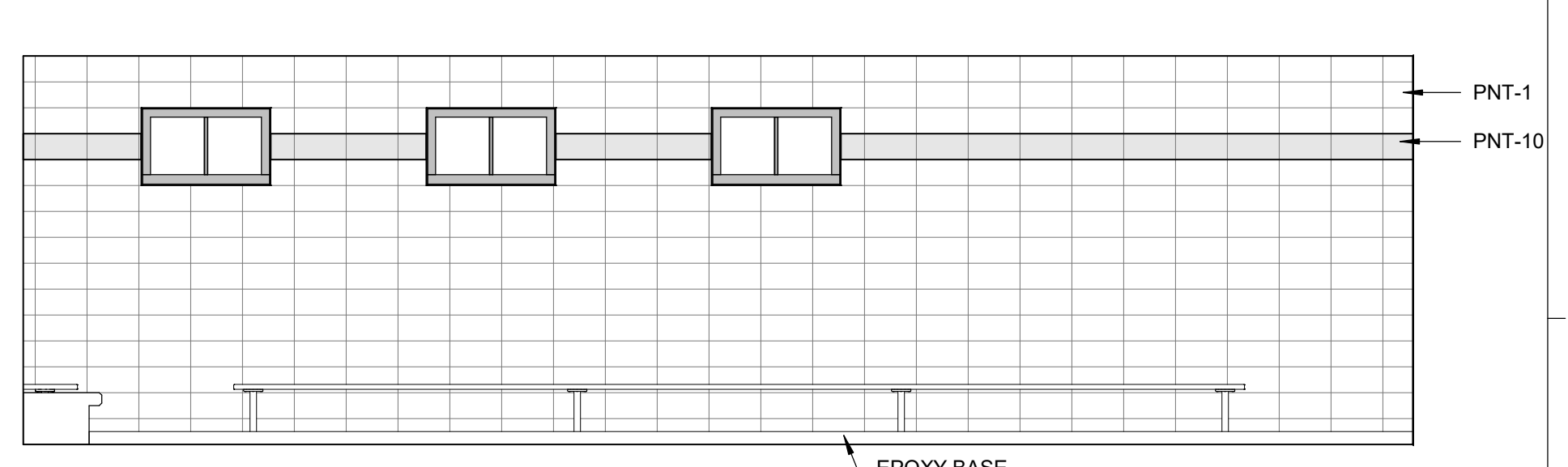
B1 TRAINER PLAN
1/4" = 1'-0"



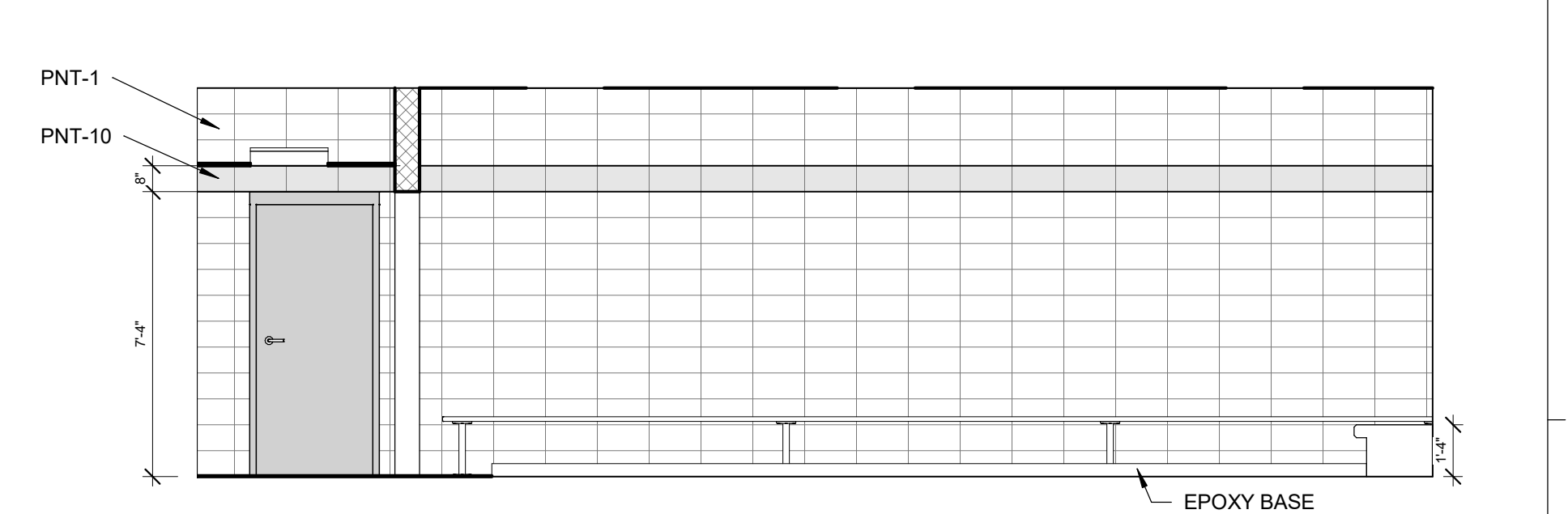
B3 ENLARGED FLOOR PLAN - VISITOR/GROVES LOCKERS
1/4" = 1'-0"



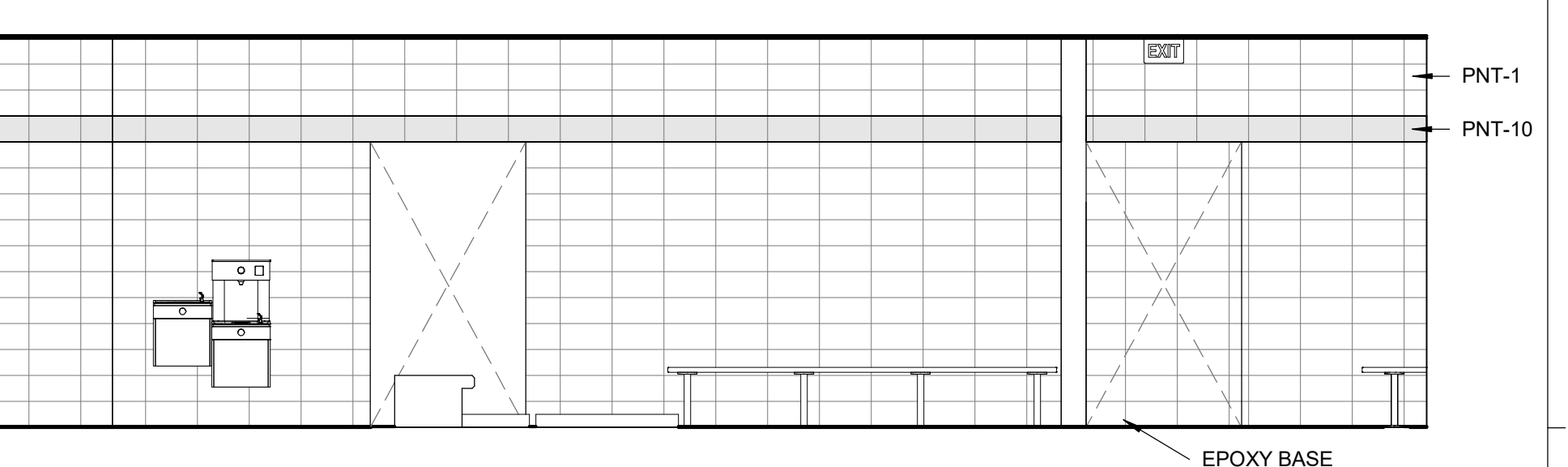
E6 INT. ELEV. @ HOME ROOM - E
1/4" = 1'-0"



D6 INT. ELEV. @ HOME ROOM - N
1/4" = 1'-0"

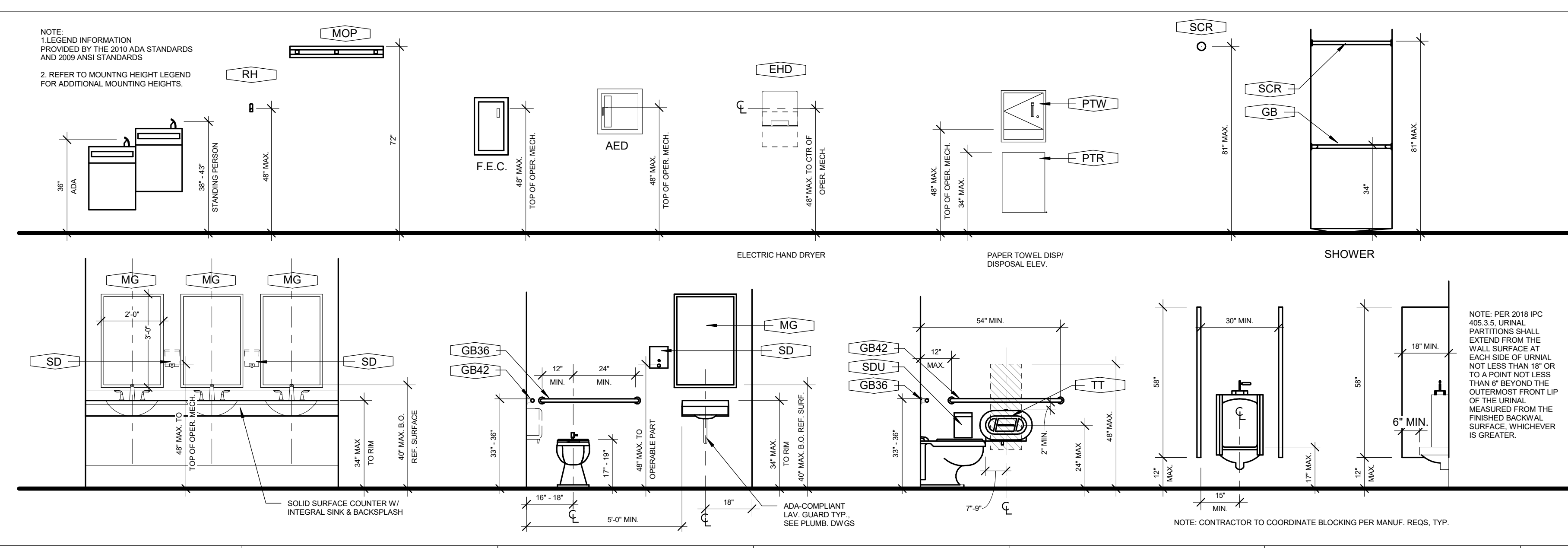


C6 INT. ELEV. @ HOME ROOM - W
1/4" = 1'-0"



B6 INT. ELEV. @ HOME ROOM - S
1/4" = 1'-0"

TYP. MOUNTING HEIGHTS



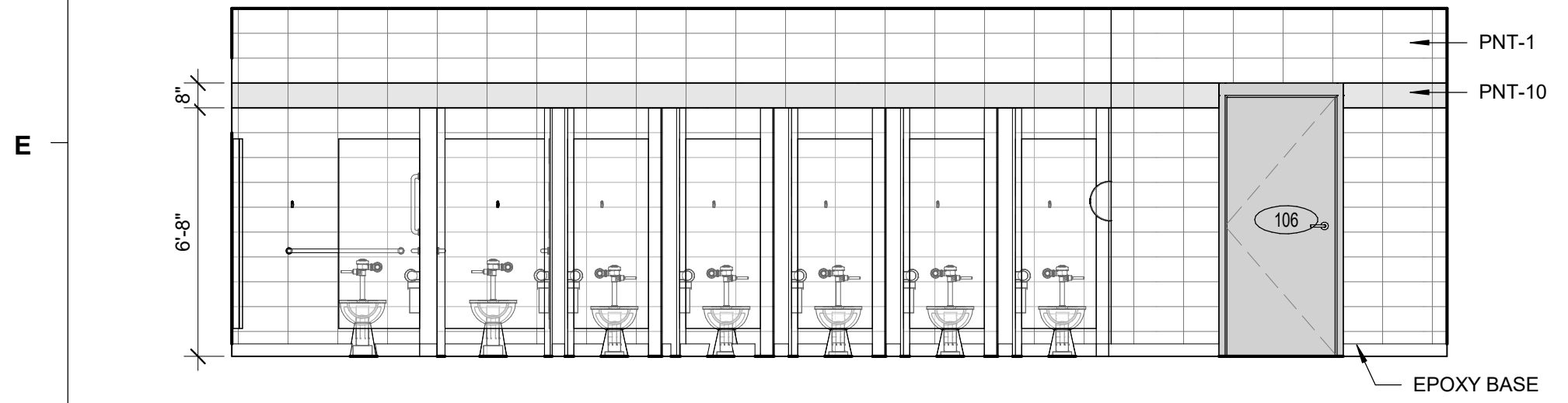
TOILET ACCESSORIES LEGEND

DESCRIPTION	SYMBOL
TOILET TISSUE DISPENSER	TT
36" GRAB BAR	GB36
42" GRAB BAR	GB42
SANITARY PRODUCT DISPOSAL UNIT	SDU
PAPER TOWEL DISPENSER	PTD
LIQUID SOAP DISPENSER	SD
GLASS MIRROR UNIT	MG
STAINLESS STEEL MIRROR UNIT	MM
ELECTRIC HAND DRYER	EHD
PAPER TOWEL RECEPTACLE	PTR
ROBE HOOK	RH
MOP AND BROOM HOLDER	MOP
SHOWER CURTAIN, ROD & HOOKS	SCR
FOLDING SHOWER SEAT	FSS
DIAPER CHANGING STATION	DCS

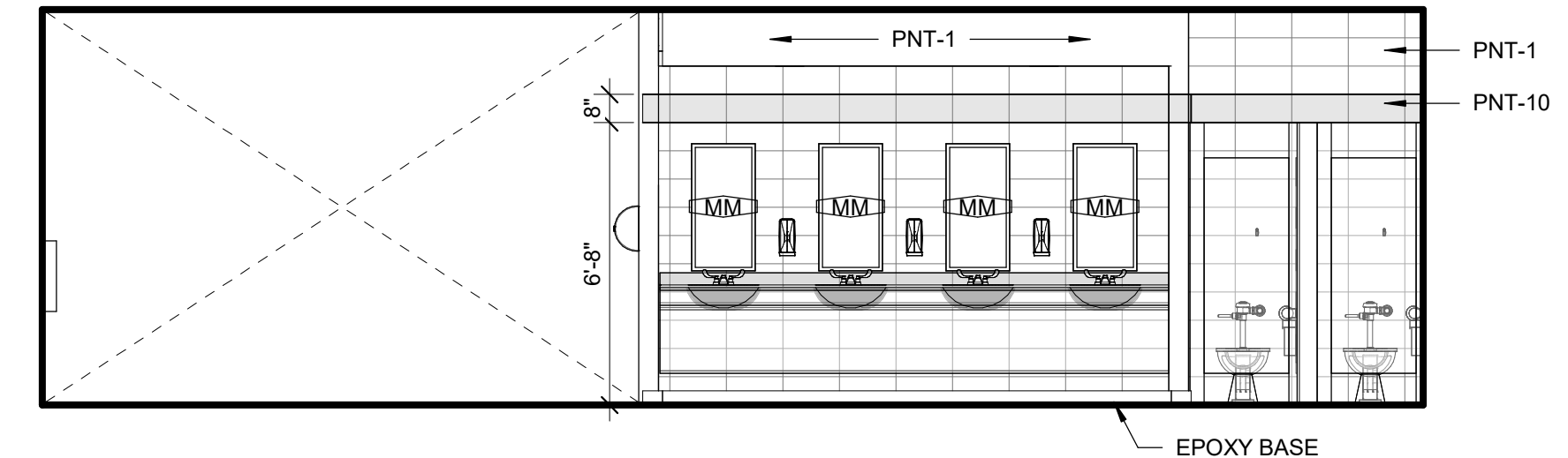
PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: KAS
CHECKED BY: AWM

ENLARGED RESTROOM PLANS & ELEVATIONS

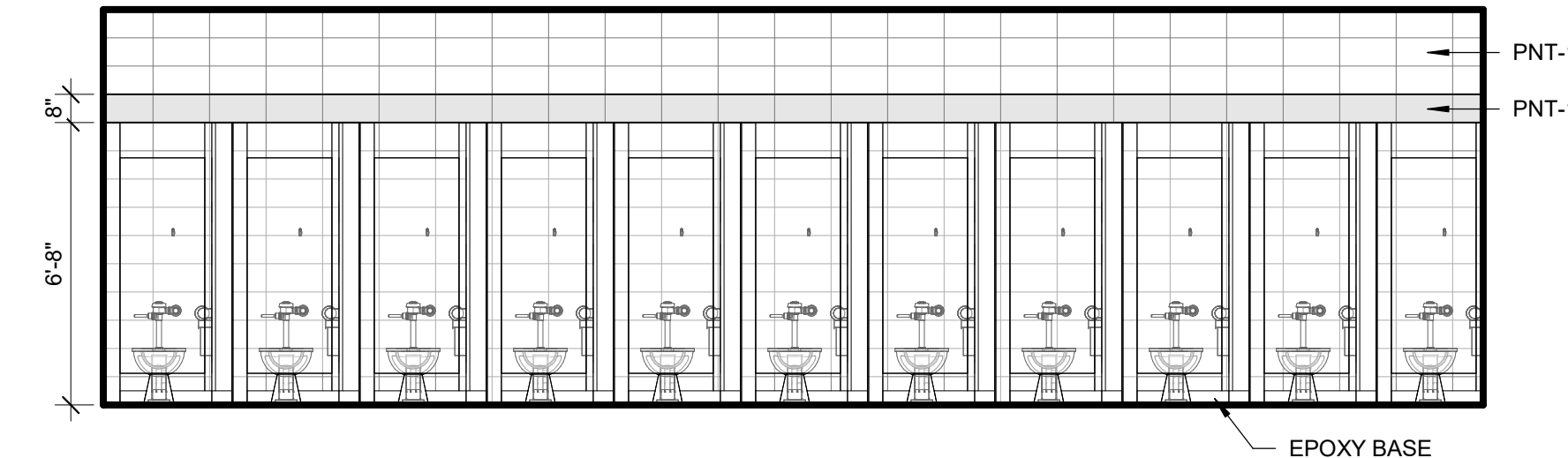
A-401



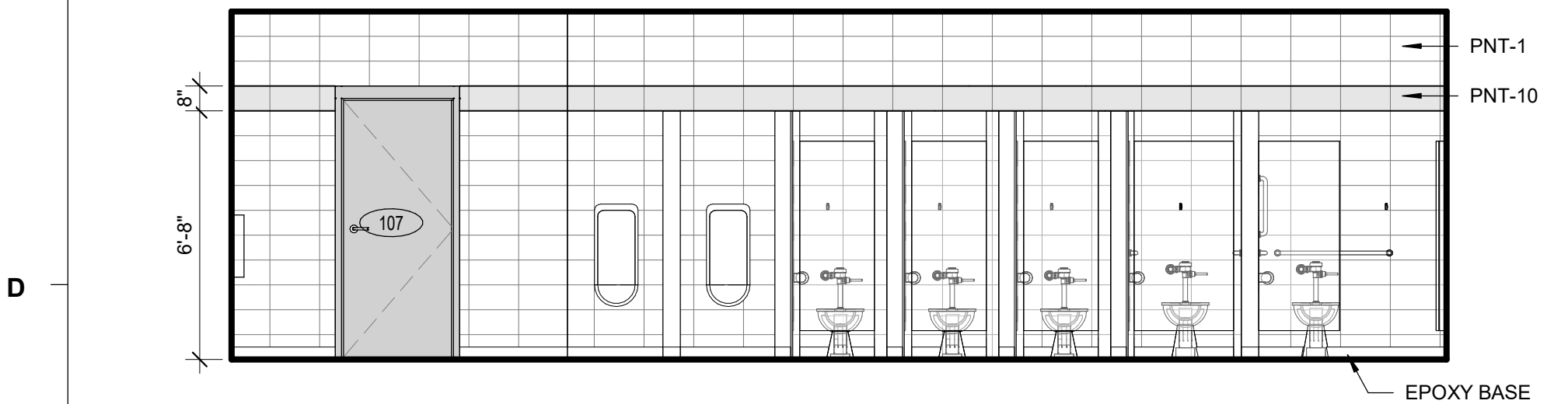
E1 INT. ELEV. @ WOMENS RESTROOM - N
1/4" = 1'-0"



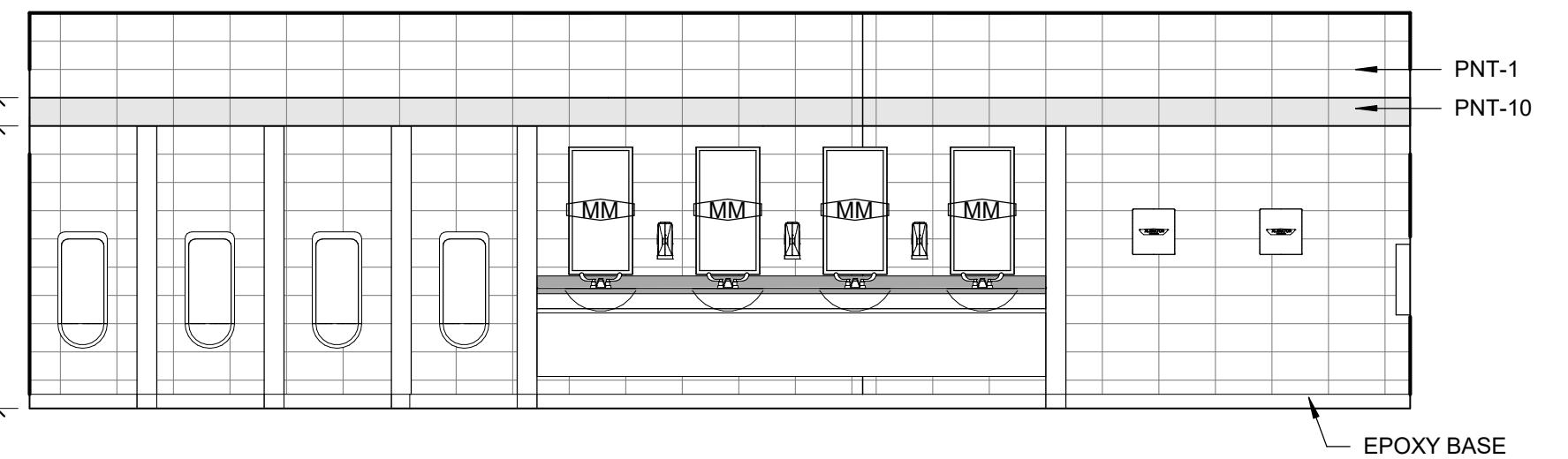
E3 INT. ELEV. @ WOMENS RESTROOM - SINKS
1/4" = 1'-0"



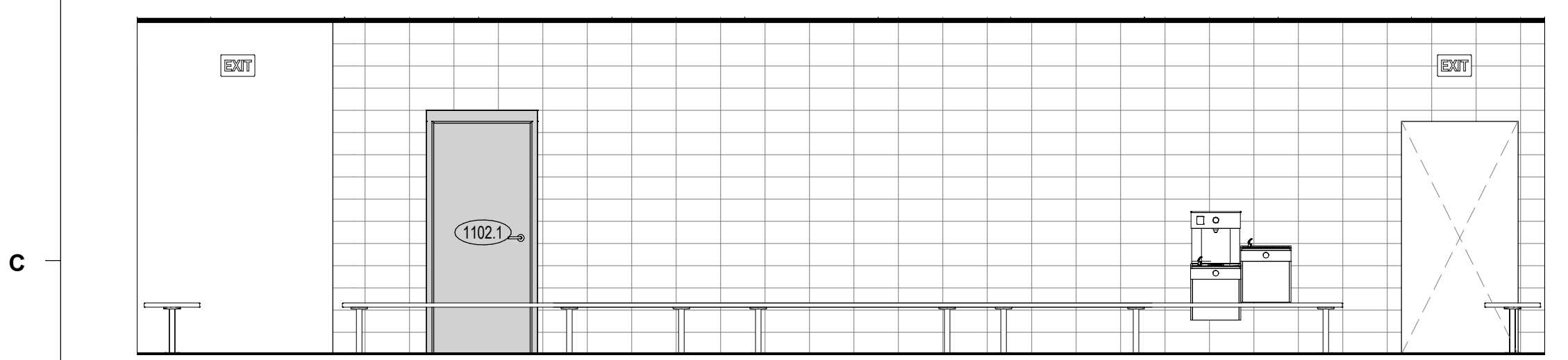
E5 INT. ELEV. @ WOMENS RESTROOM - S
1/4" = 1'-0"



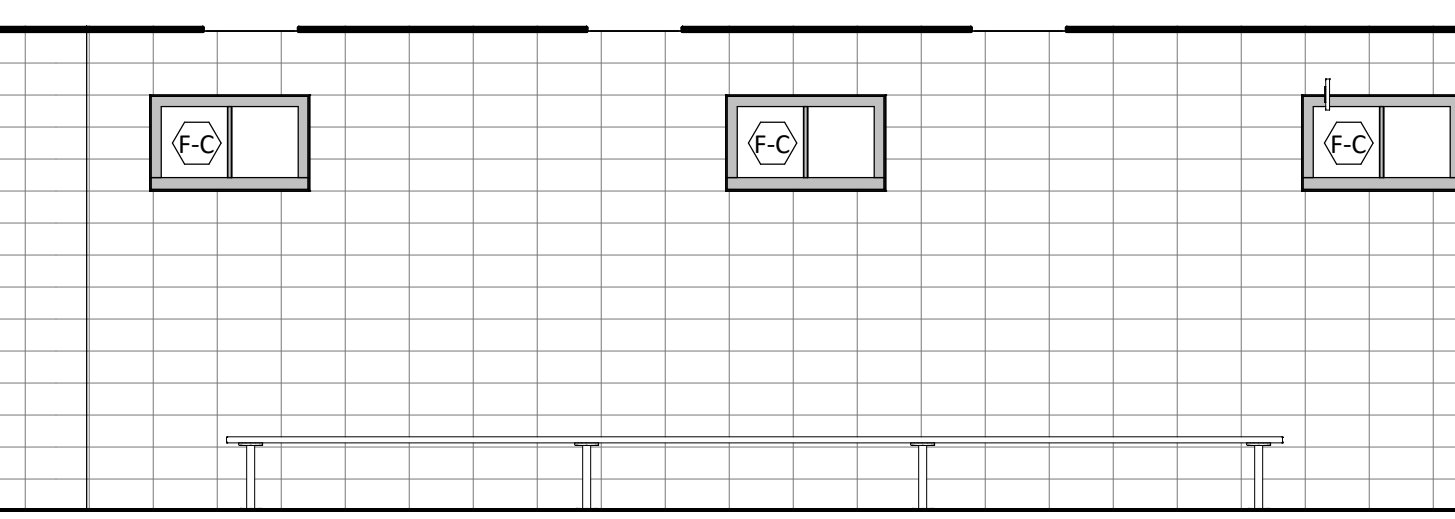
D1 INT. ELEV. @ MENS RESTROOM - S
1/4" = 1'-0"



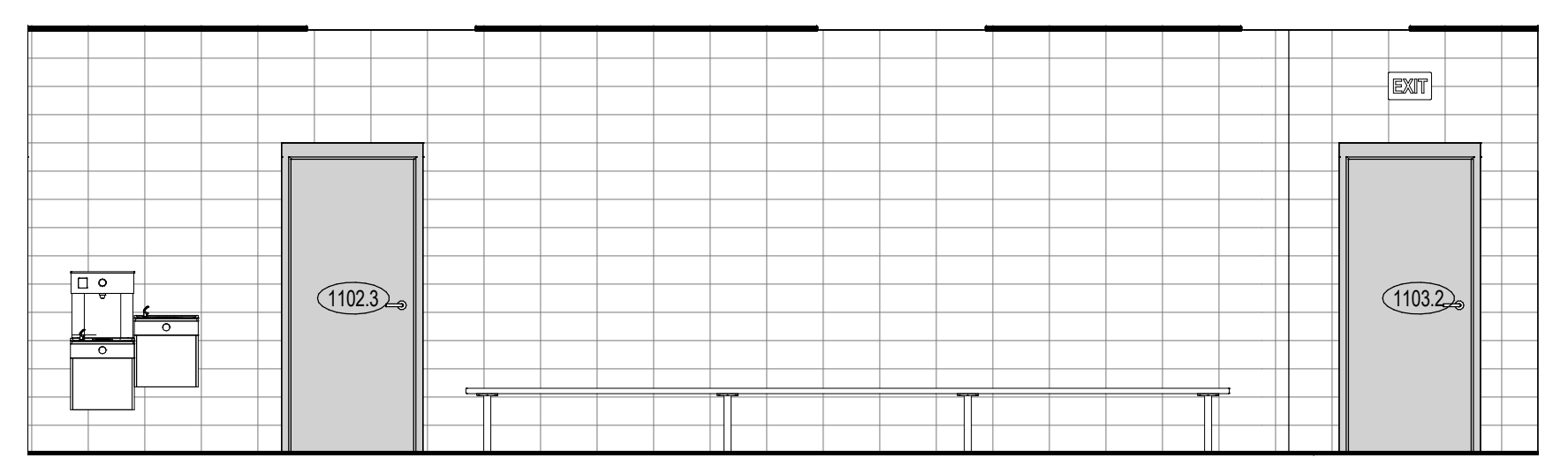
D3 INT. ELEV. @ MENS RESTROOM - N
1/4" = 1'-0"



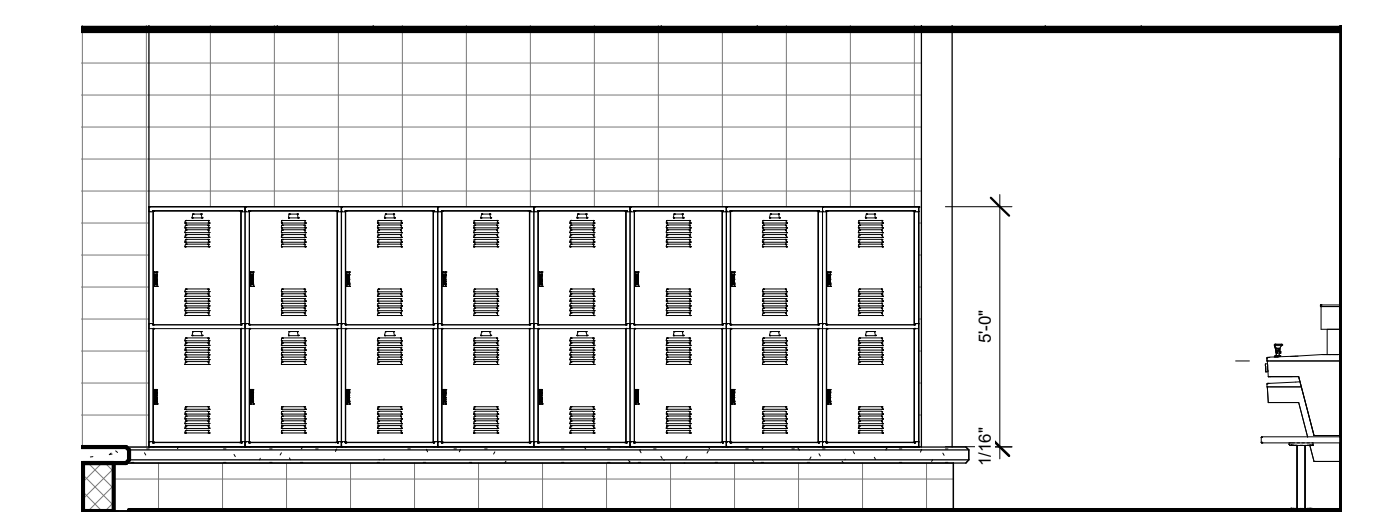
C1 INT. ELEV. @ TEAM ROOM - S
1/4" = 1'-0"



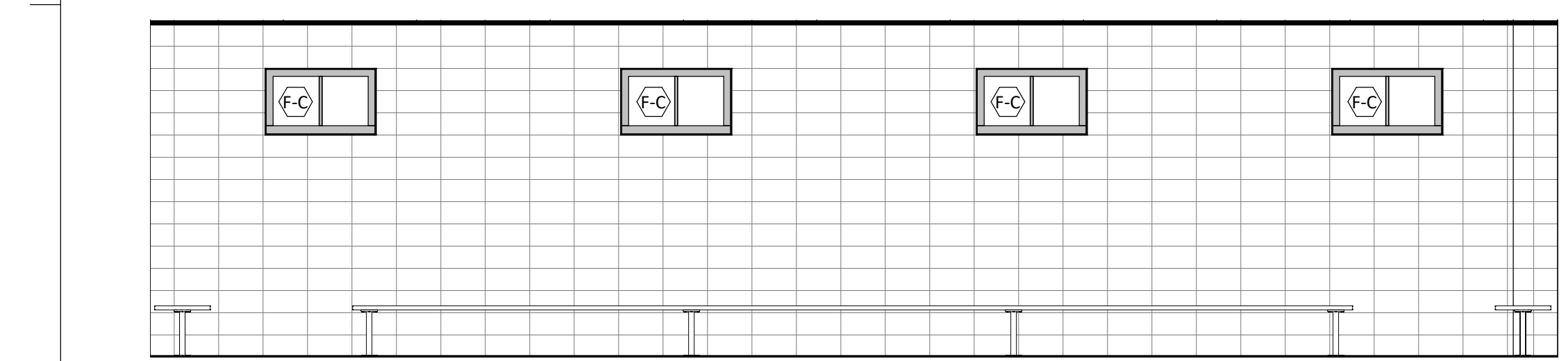
C3 INT. ELEV. @ TEAM ROOM - E
1/4" = 1'-0"



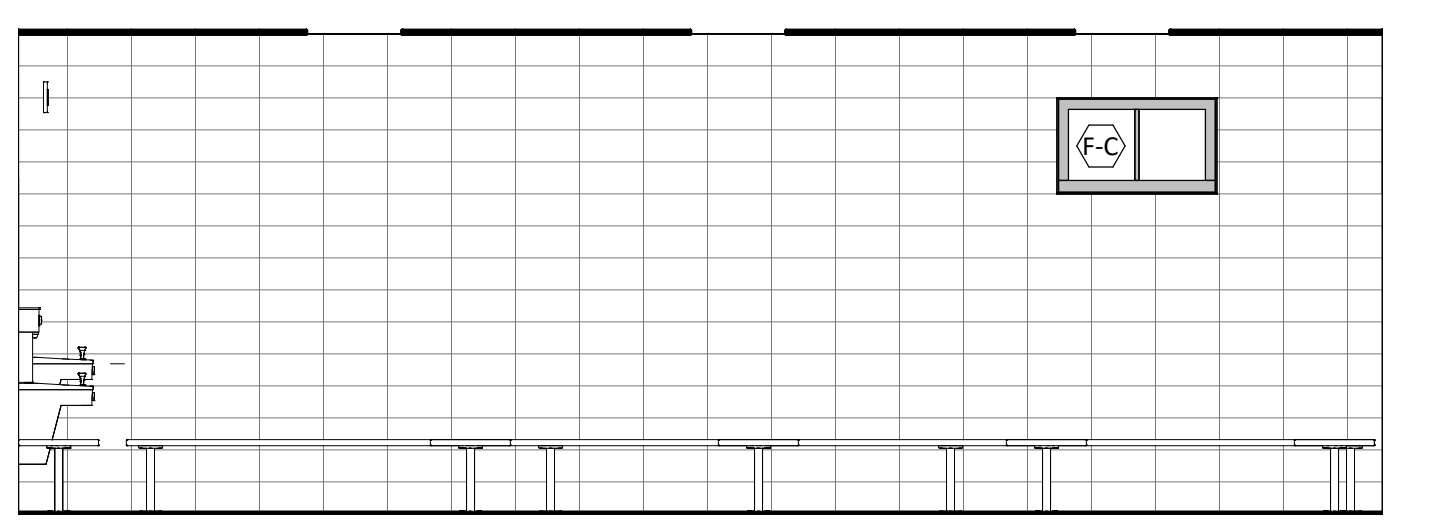
C4 INT. ELEV. @ GROVES LOCKER - N
1/4" = 1'-0"



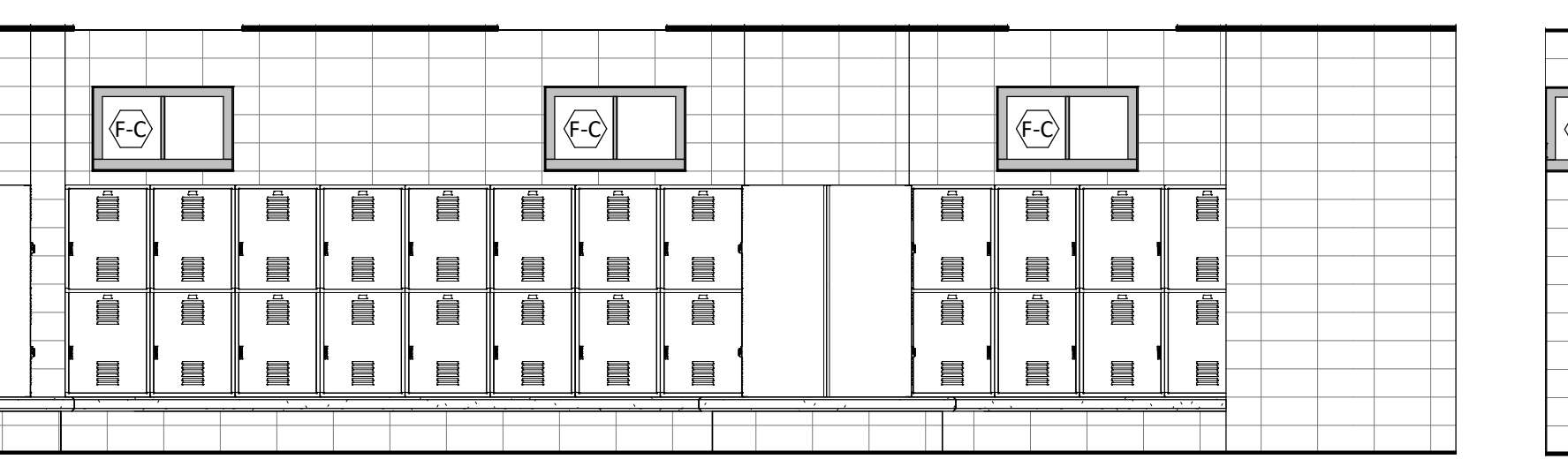
C5 INT. ELEV. @ GROVES LOCKER - W
1/4" = 1'-0"



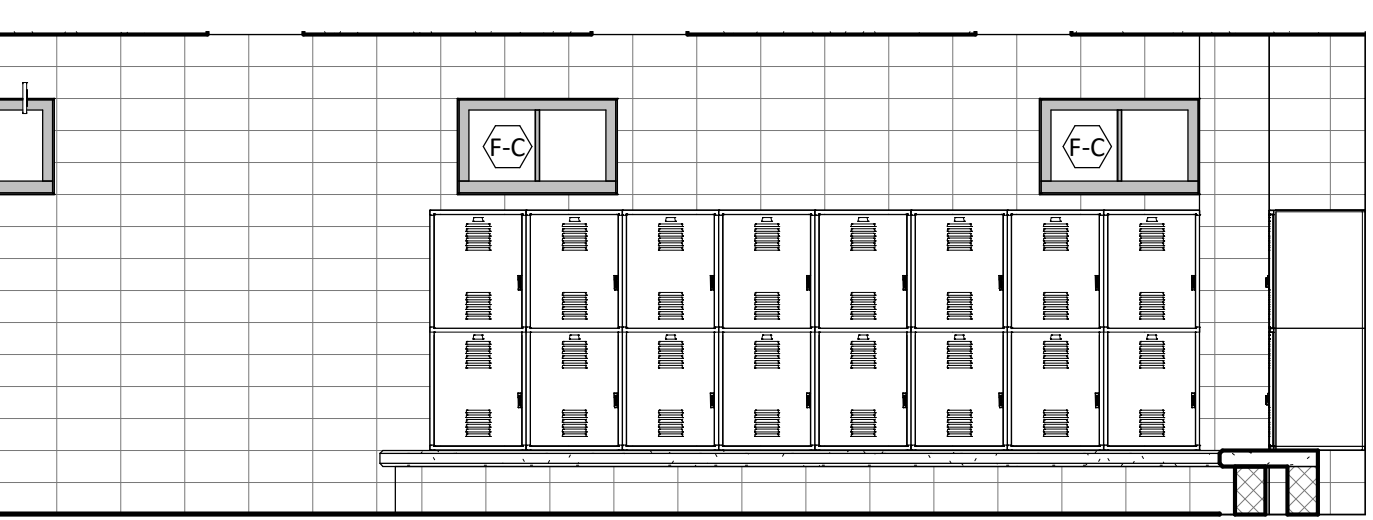
B1 INT. ELEV. @ TEAM ROOM - N
1/4" = 1'-0"



B3 INT. ELEV. @ TEAM ROOM - W
1/4" = 1'-0"

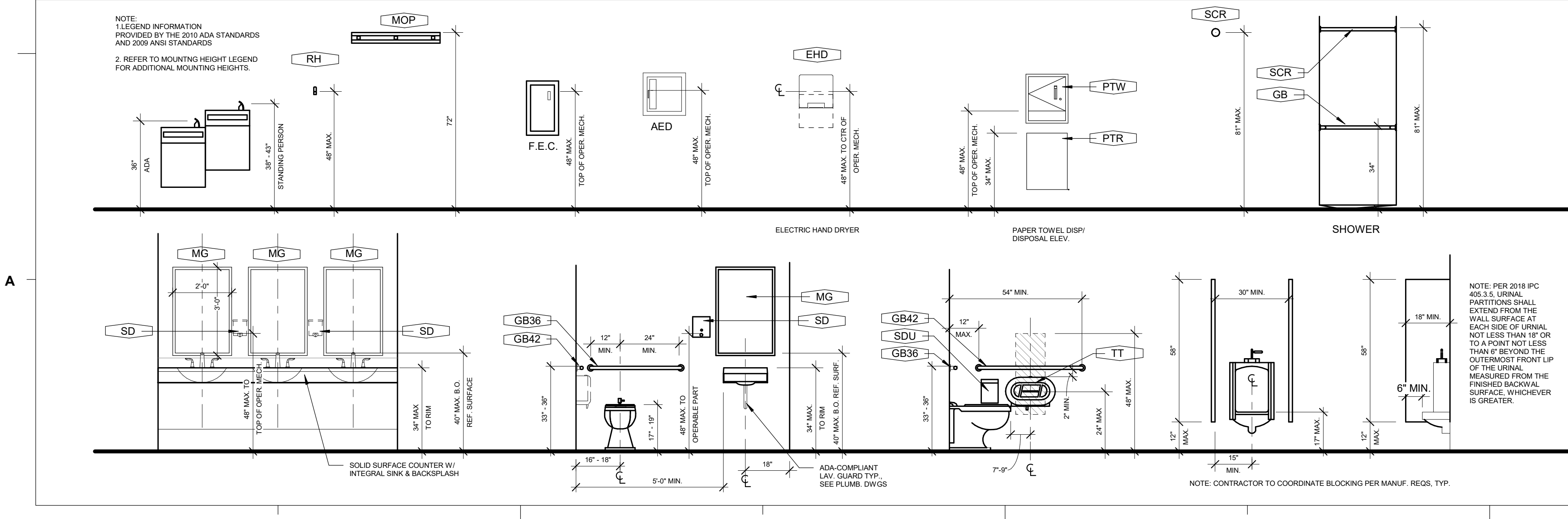


B4 INT. ELEV. @ GROVES LOCKER - S
1/4" = 1'-0"



B5 INT. ELEV. @ GROVES LOCKER - E
1/4" = 1'-0"

TYP. MOUNTING HEIGHTS



TOILET ACCESSORIES LEGEND

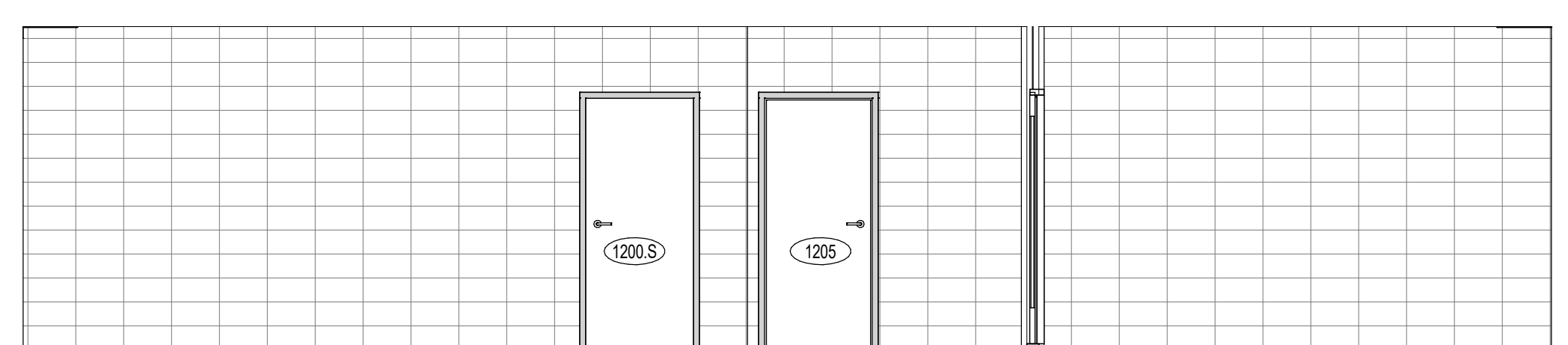
DESCRIPTION	TOILET ACCESSORIES LEGEND
TT	TOILET TISSUE DISPENSER
GB36	36" GRAB BAR
GB42	42" GRAB BAR
SDU	SANITARY PRODUCT DISPOSAL UNIT
PTD	PAPER TOWEL DISPENSER
SD	LIQUID SOAP DISPENSER
MG	GLASS MIRROR UNIT
MM	STAINLESS STEEL MIRROR UNIT
EHD	ELECTRIC HAND DRYER
PTR	PAPER TOWEL RECEPTACLE
RH	ROBE HOOK
MOP	MOP AND BROOM HOLDER
SCR	SHOWER CURTAIN, ROD & HOOKS
FSS	FOLDING SHOWER SEAT
DCS	DIAPER CHANGING STATION

PROJECT: 5201-192070
DATE: 05/12/2023
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CHECKED BY: AWM

ENLARGED
RESTROOM
PLANS &
ELEVATIONS

A-402

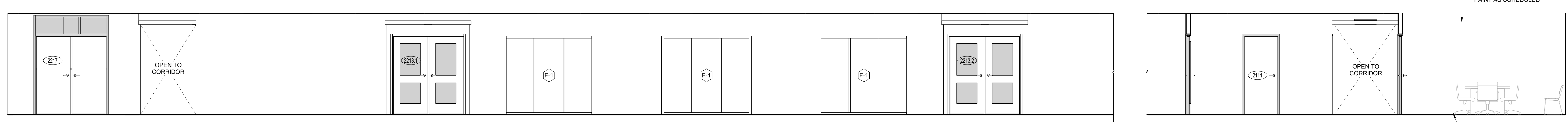
E
D
C
B
A



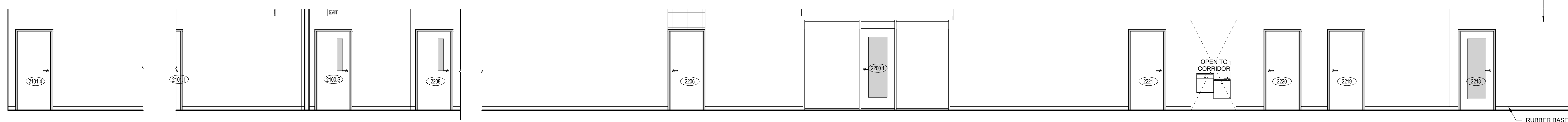
D1 INT. ELEV. @ CORRIDOR 1200 - W
1/4" = 1'-0"



C1 INT. ELEV. @ CORRIDOR 1200 - E
1/4" = 1'-0"



B1 INT. ELEV. @ CORRIDOR 2200 - N
1/4" = 1'-0"



A1 INT. ELEV. @ CORRIDOR 2200 - S
1/4" = 1'-0"

1 2 3 4 5 6

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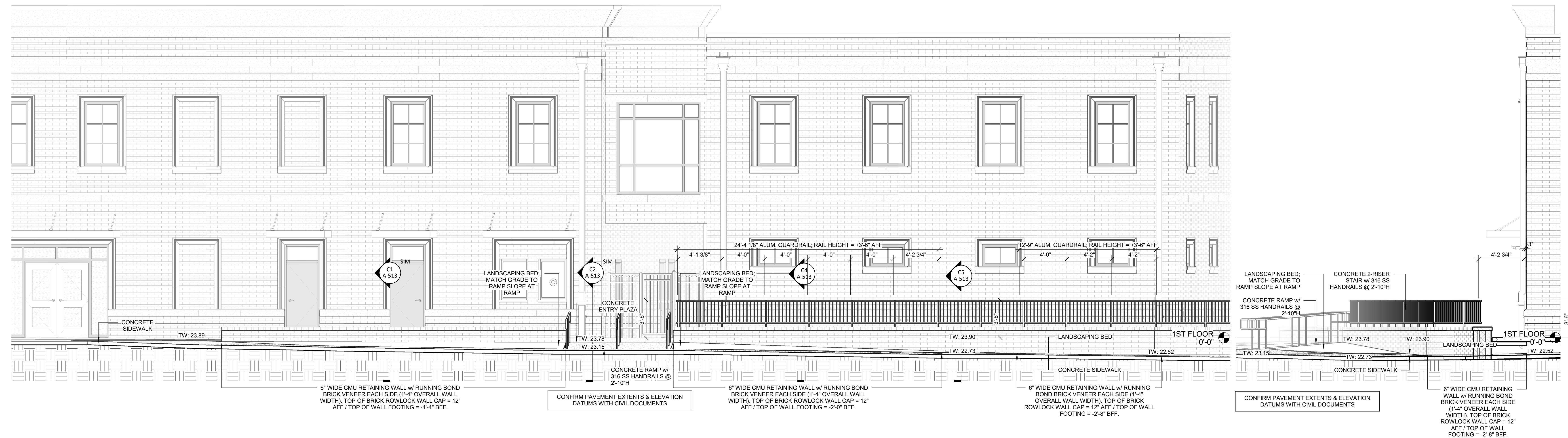
REVISIONS:

No.	Description	Date

PROJECT: 5201-192070
 DATE: 05/12/2023
 DRAWN BY: Author
 CHECKED BY: Checker

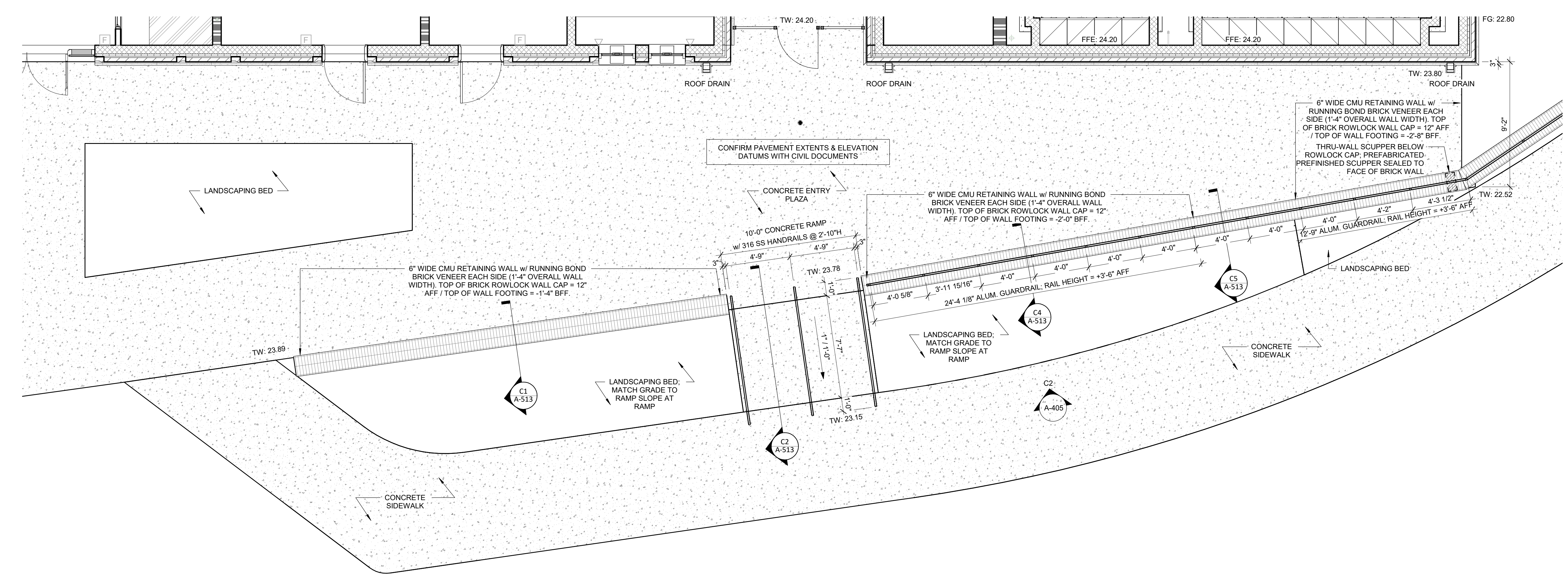
ENLARGED ENTRY WALL & RAILING PLANS & ELEVATIONS

A-405

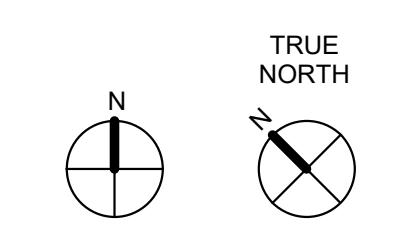


C2 ENTRY WALL & RAILING ELEVATION
 1/4" = 1'-0"

C6 ENTRY WALL & RAILING SIDE ELEVATION
 1/4" = 1'-0"



A1 ENLARGED PLAN - ENTRY WALL & RAILINGS
 1/4" = 1'-0"



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PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: KAS
CHECKED BY: AWM

ACCESS ROAD
PLAN

A-406

E

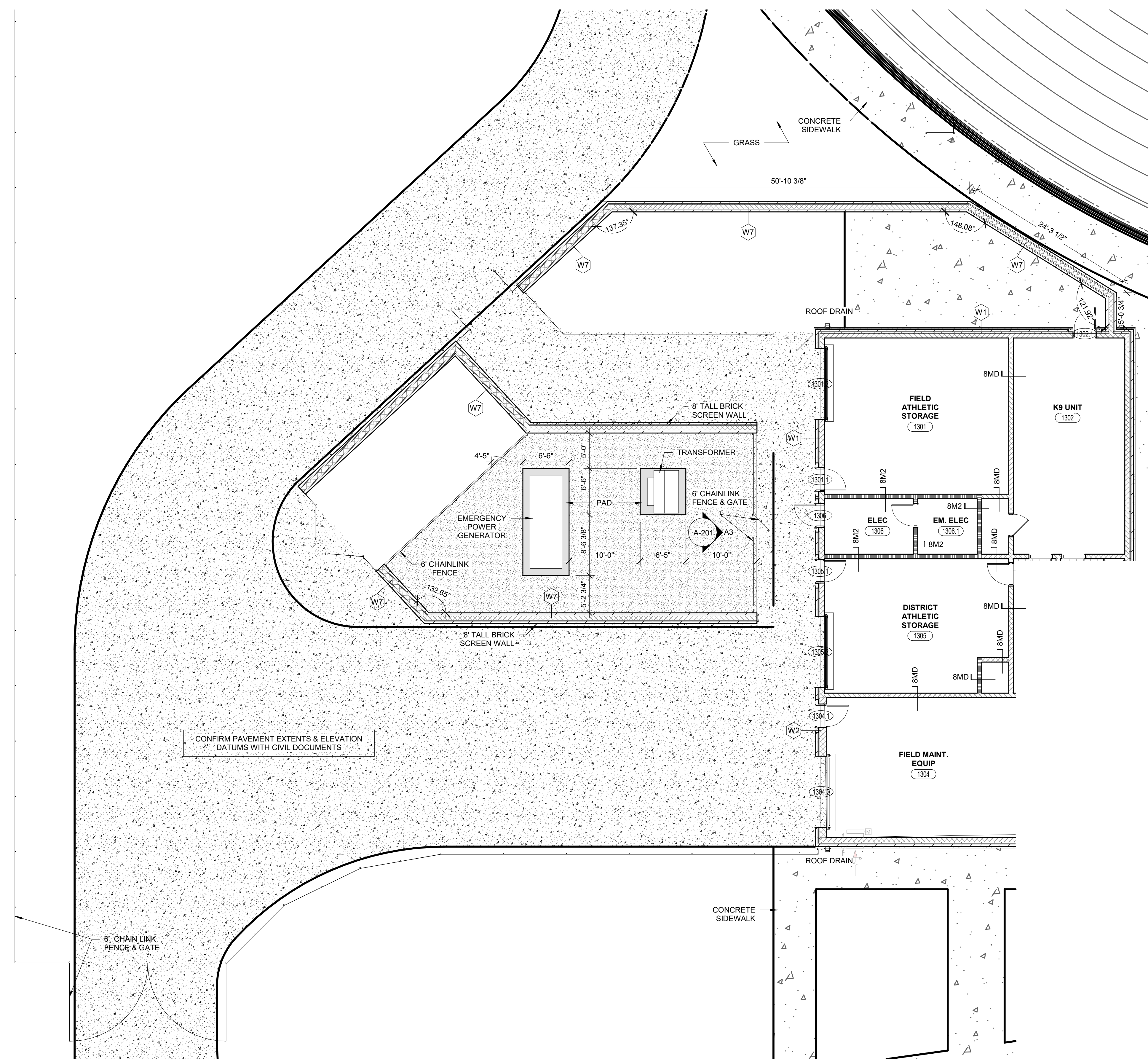
D

C

B

A

(A1) ENLARGED ACCESS YARD PLAN
1/8" = 1'-0"



CONFIRM PAVEMENT EXTENTS & ELEVATION
DATUMS WITH CIVIL DOCUMENTS

FLOOR PLAN NUMBERED NOTES

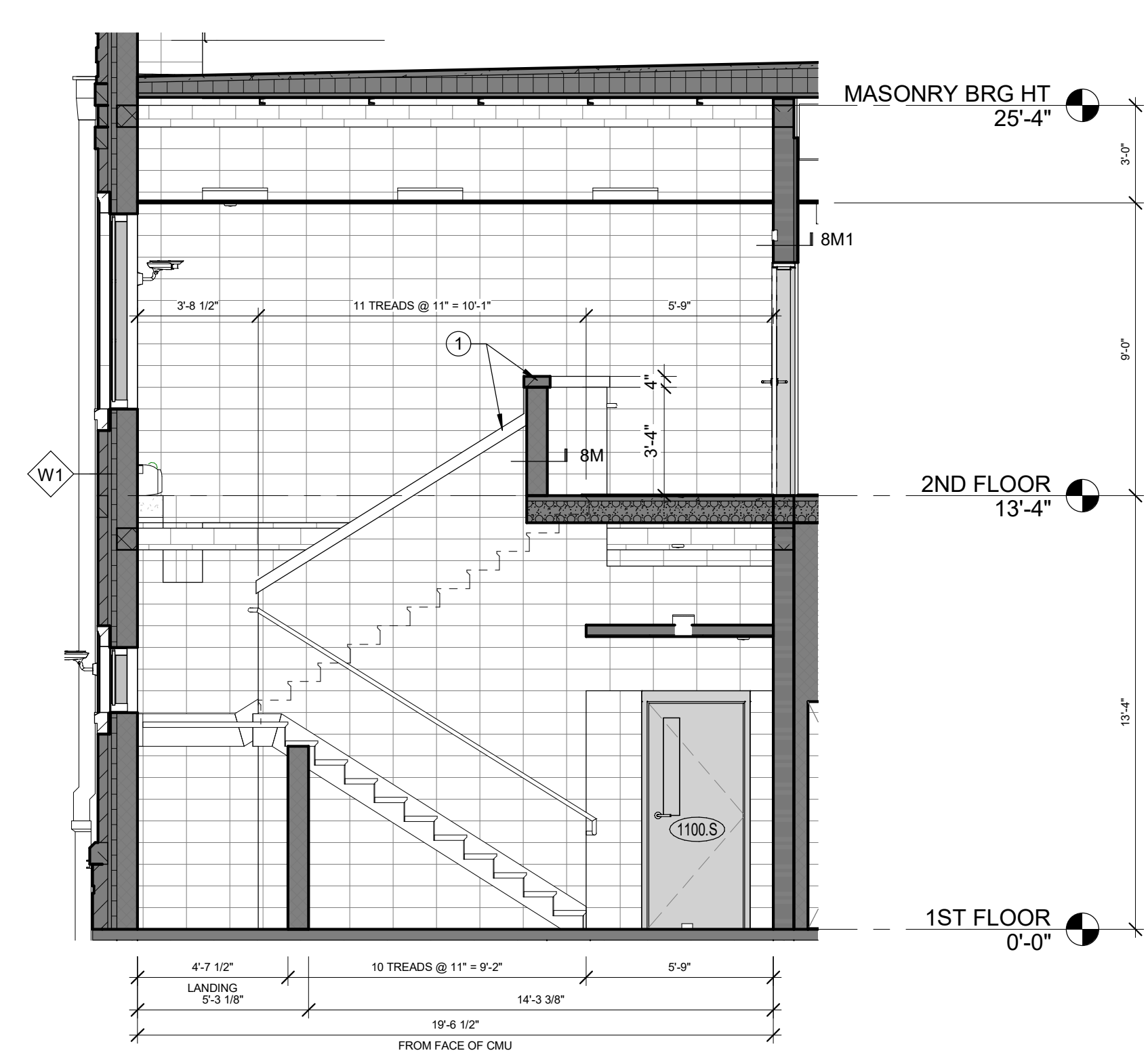
- 4" CAST STONE CAP

PARTITION LEGEND

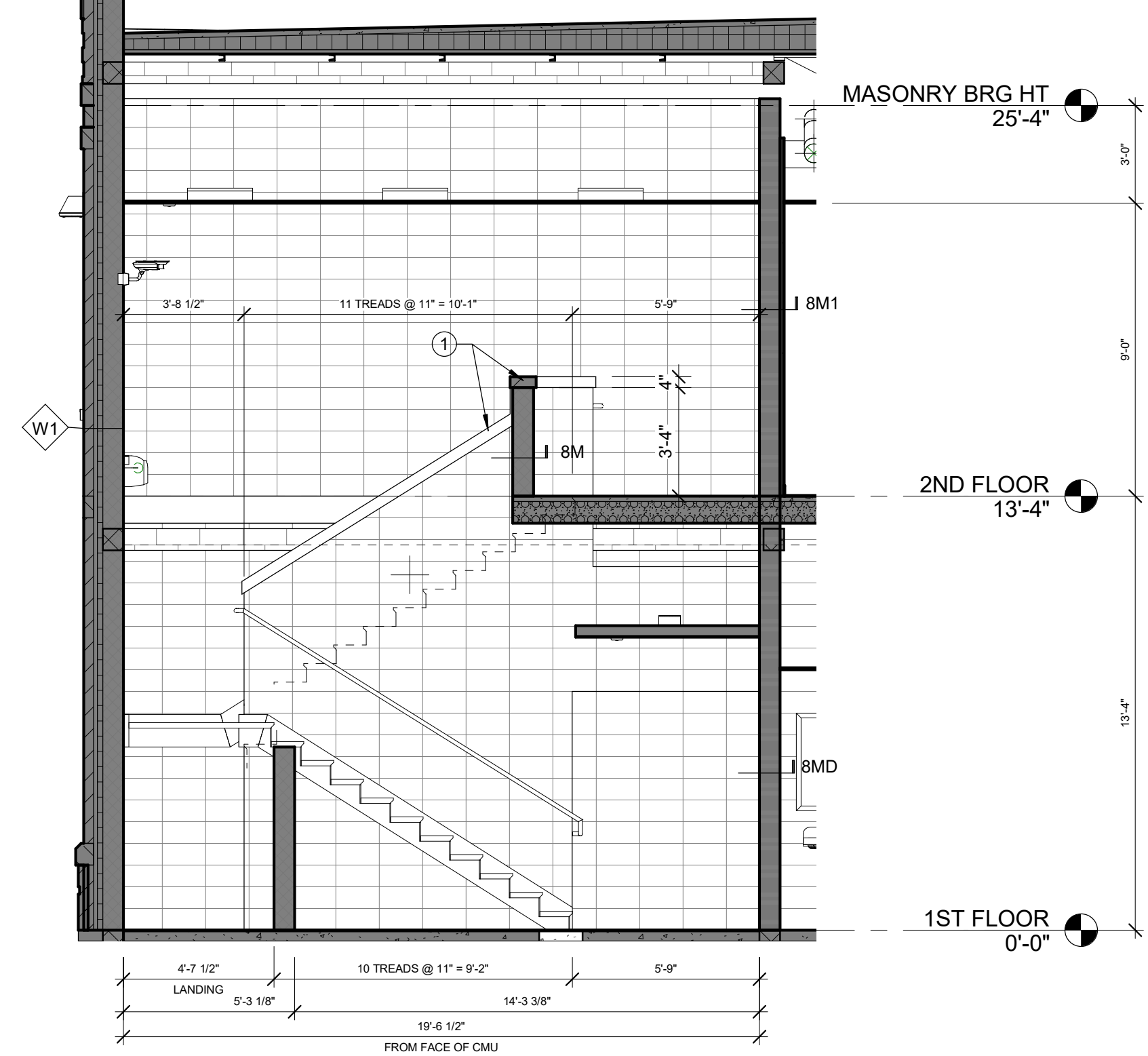
- ALL EXTERIOR WALLS TO BE TYPE **W1** U.N.O.
- ALL INTERIOR MASONRY PARTITIONS TO BE TYPE **8M** U.N.O.
- ALL INTERIOR METAL STUD PARTITIONS TO BE TYPE **3AS** U.N.O.

- NON-RATED PARTITION
- 1 HR. RATED PARTITION TO DECK
- 2 HR. RATED PARTITION TO DECK
- SMOKE RATED PARTITION TO DECK

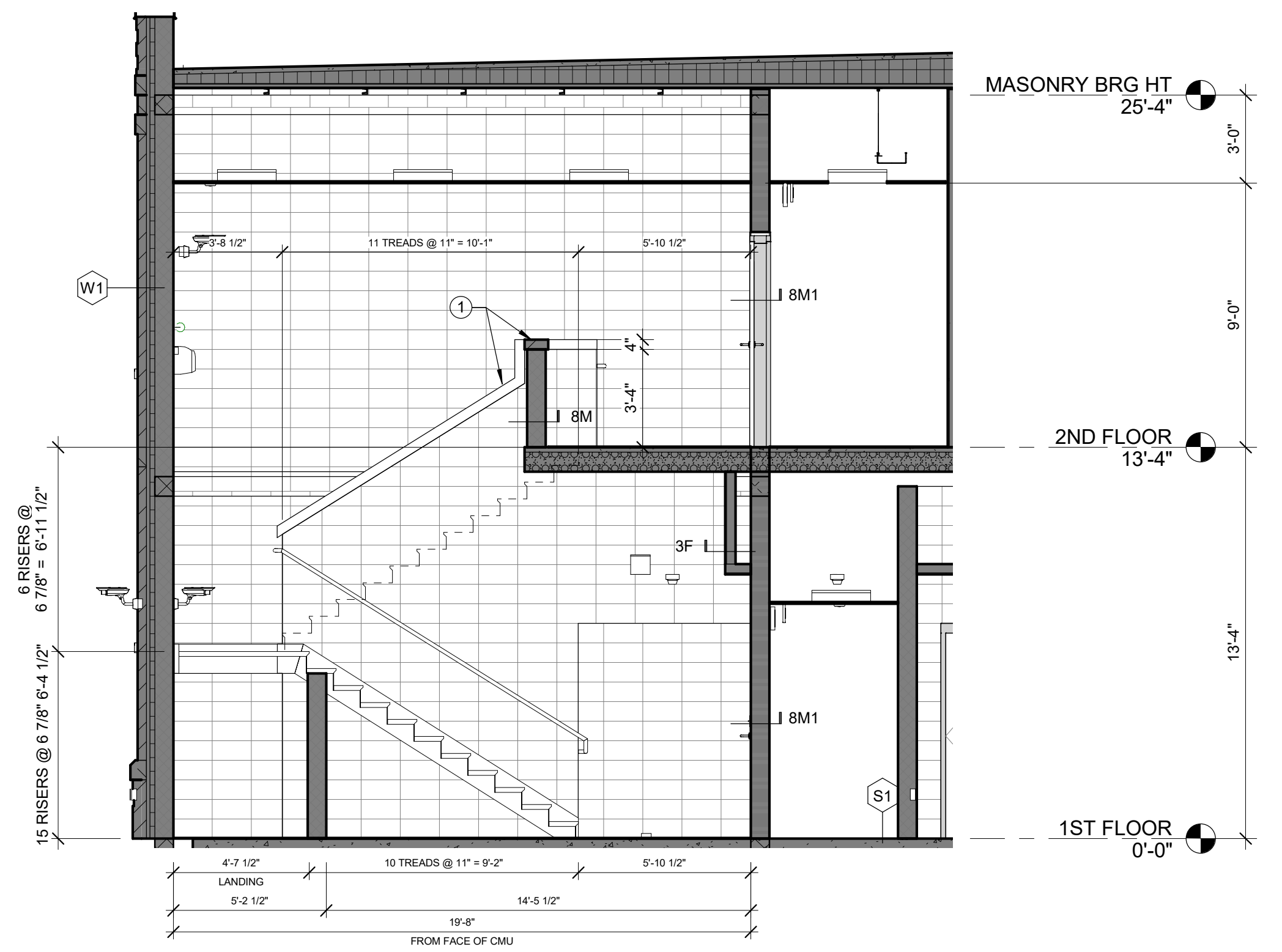
NOTE: SEE SHEET A-004 AND A-005 FOR CONSTRUCTION SUBSYSTEMS.
SEE SHEET A-006 FOR CONSTRUCTION OF PARTITION TYPES.



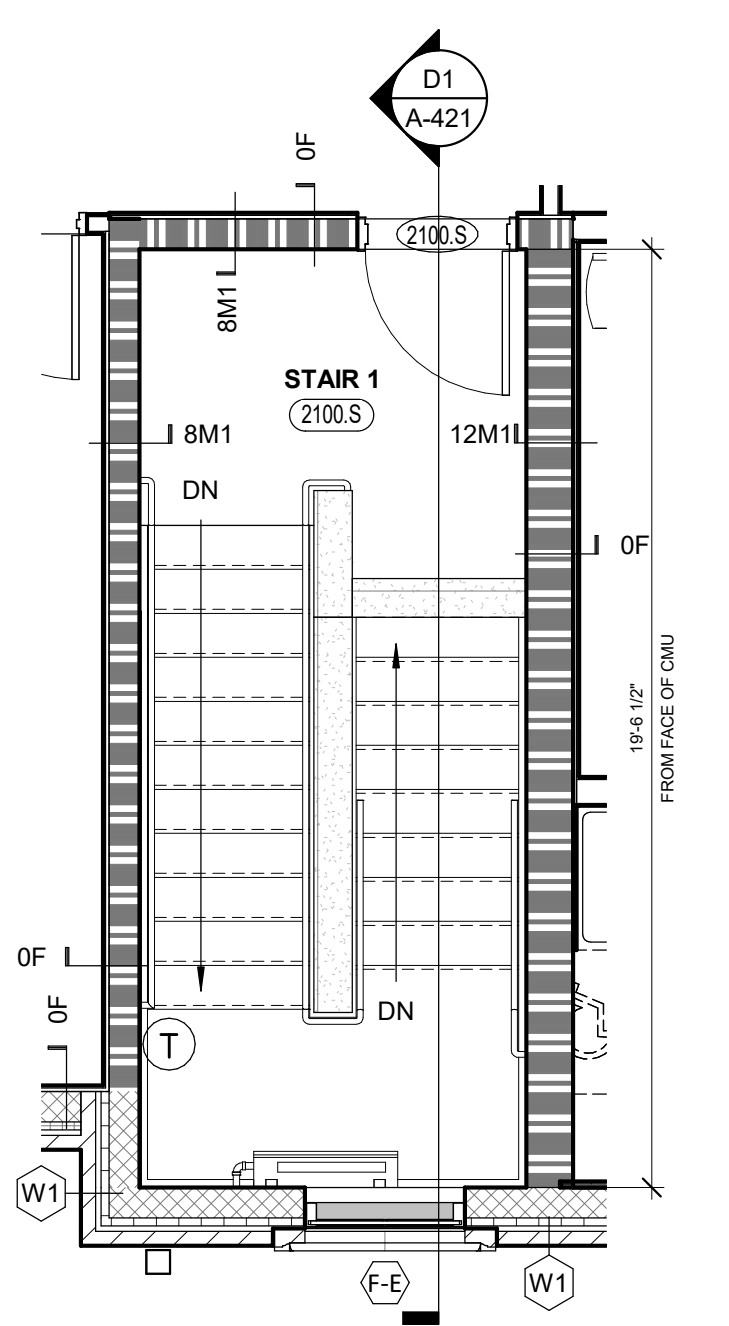
D1 STAIR 1 SECTION
1/4" = 1'-0"



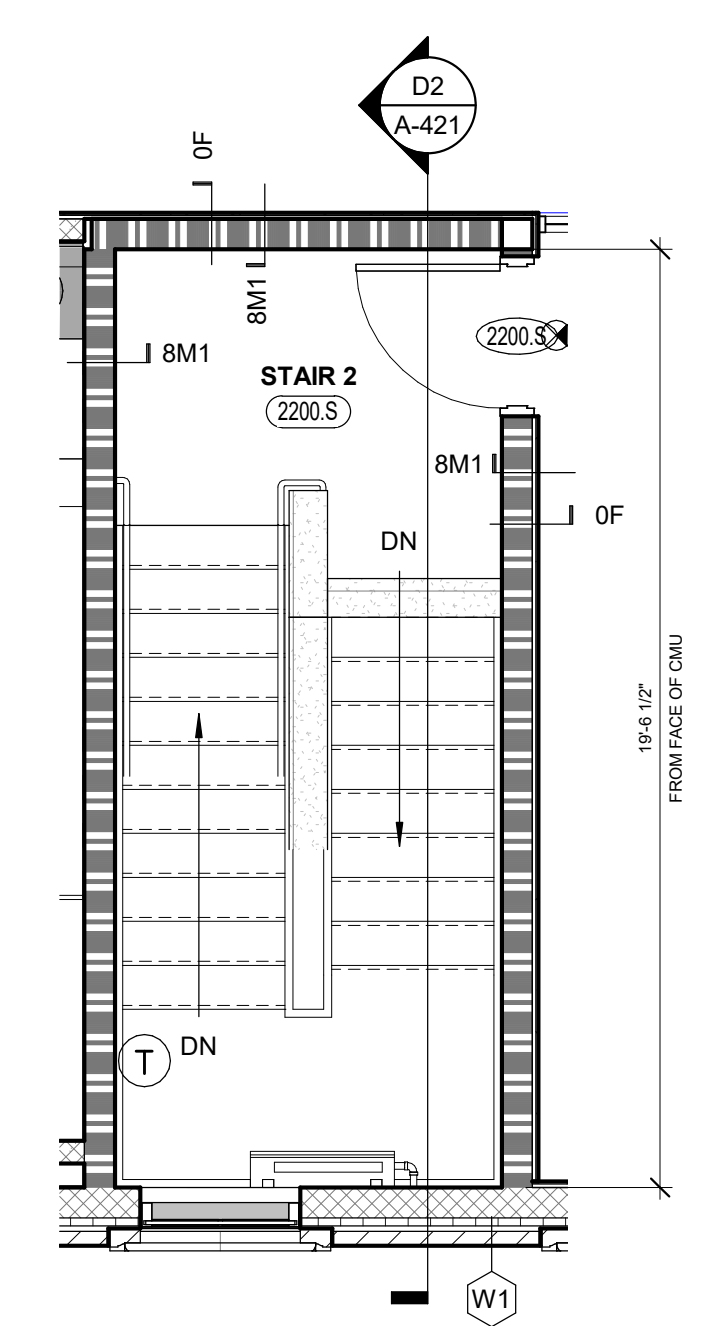
D2 STAIR 2 SECTION
1/4" = 1'-0"



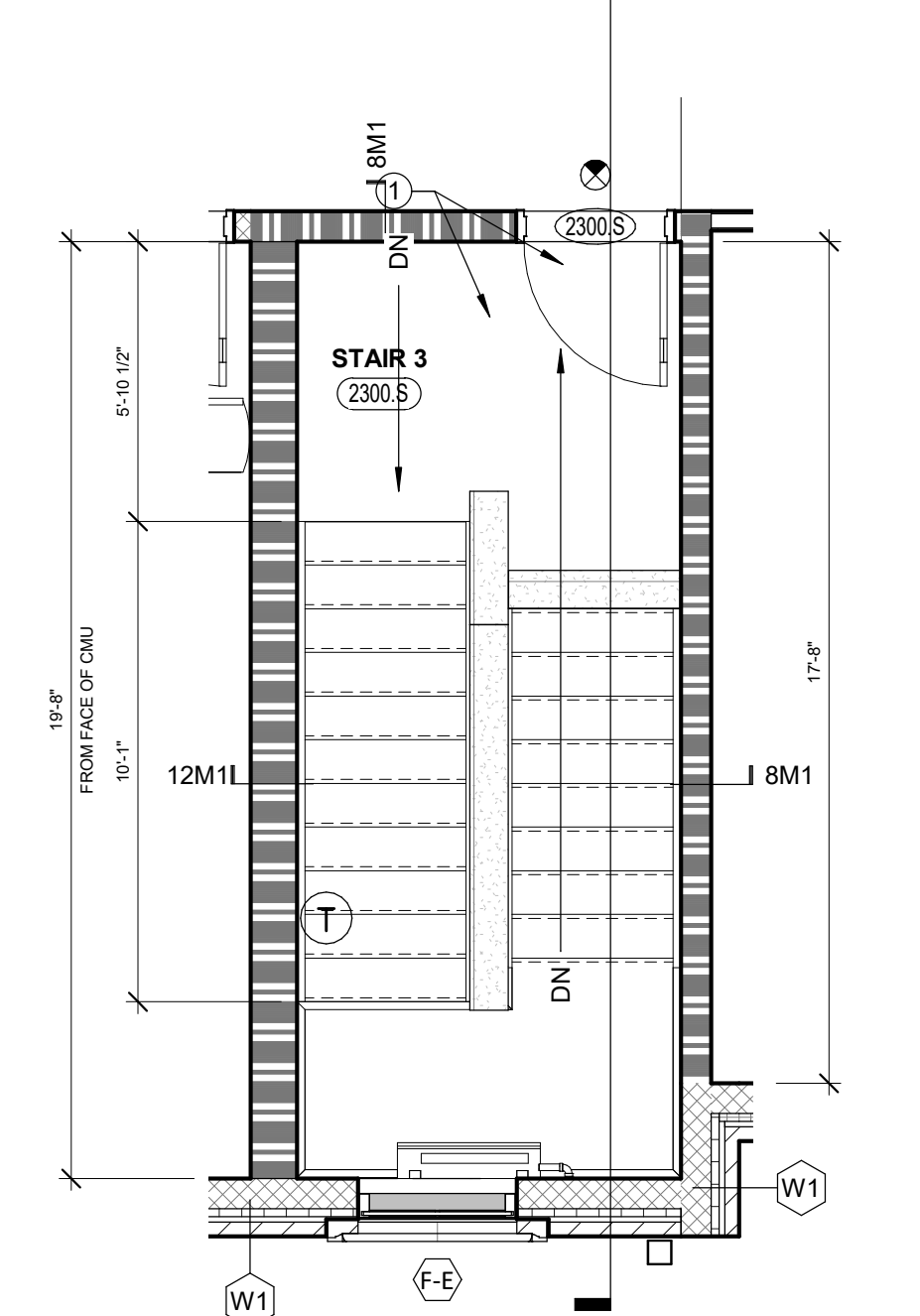
D4 STAIR 3 SECTION
1/4" = 1'-0"



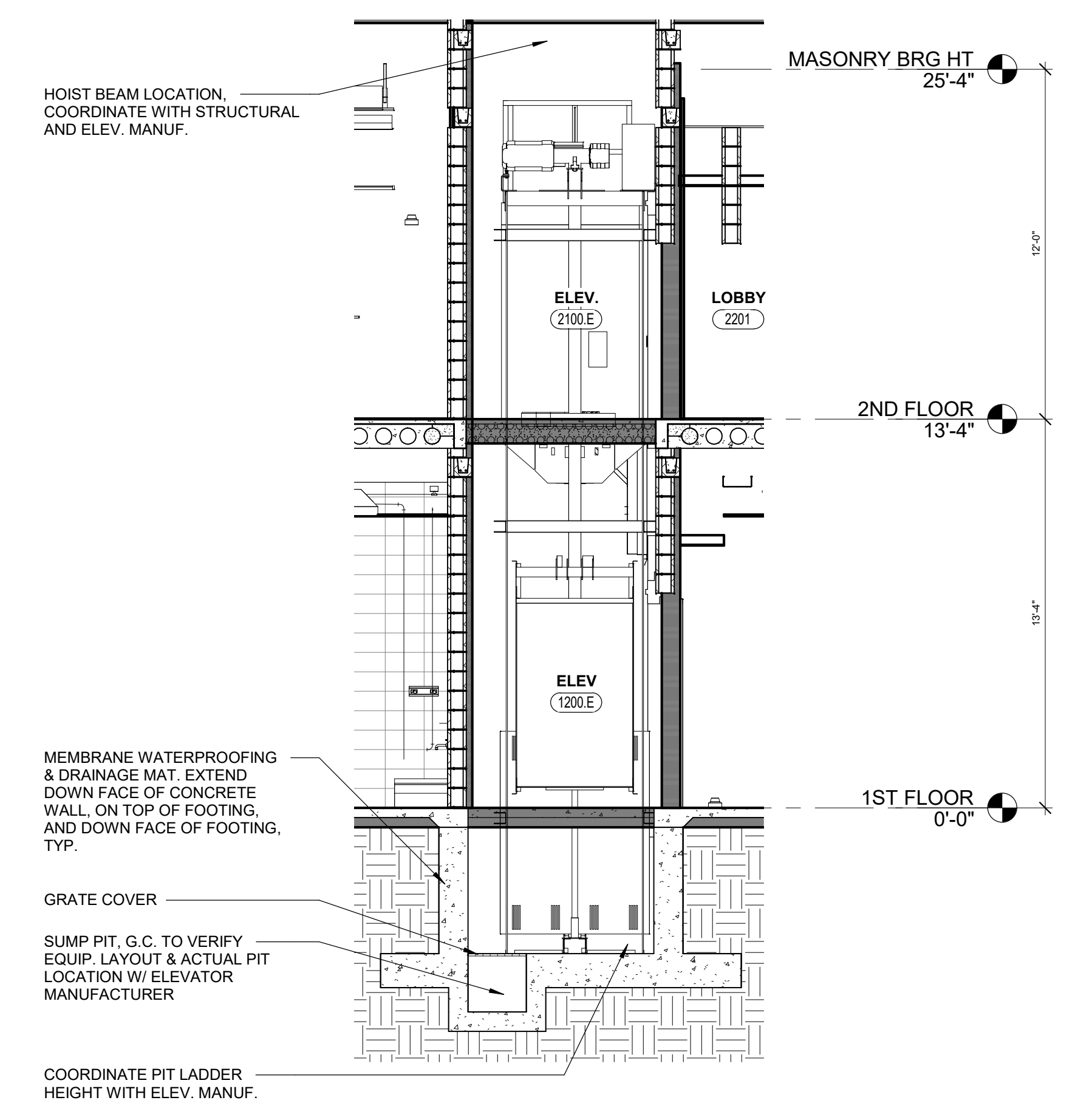
B1 STAIR 1 - 2ND FLOOR PLAN
1/4" = 1'-0"



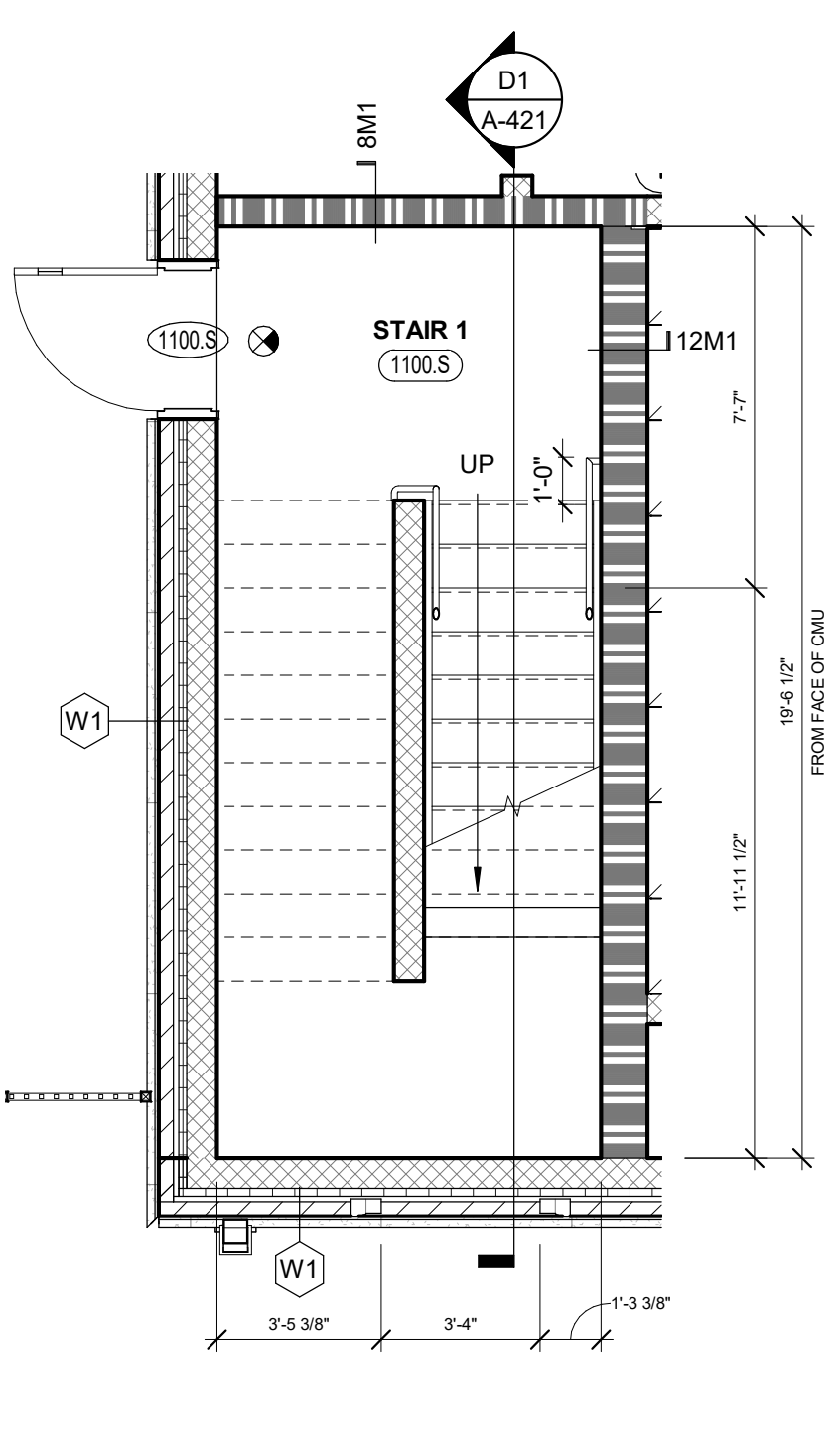
B2 STAIR 2 - 2ND FLOOR PLAN
1/4" = 1'-0"



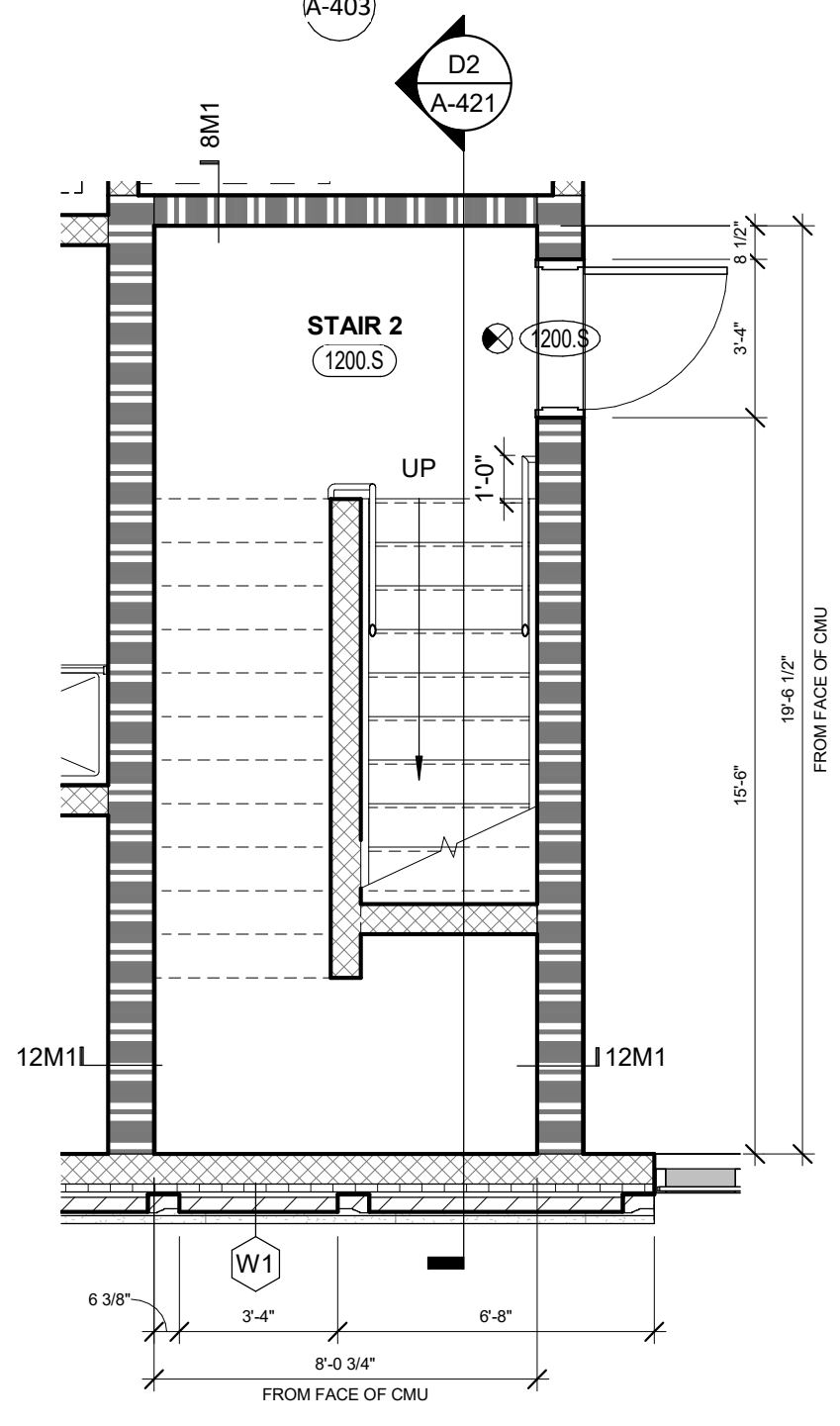
B3 STAIR 3 - 2ND FLOOR PLAN
1/4" = 1'-0"



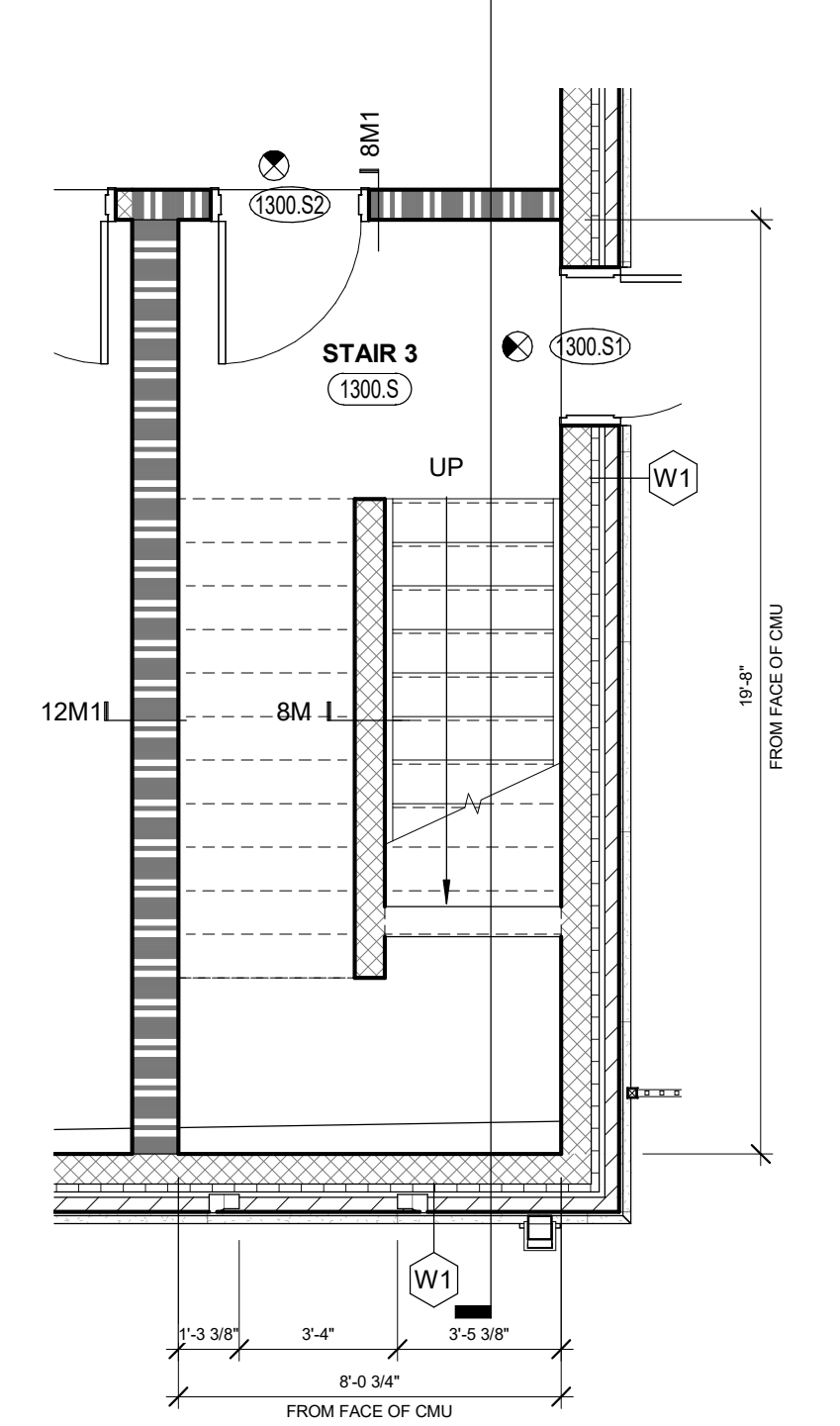
B4 ELEVATOR SECTION
1/4" = 1'-0"



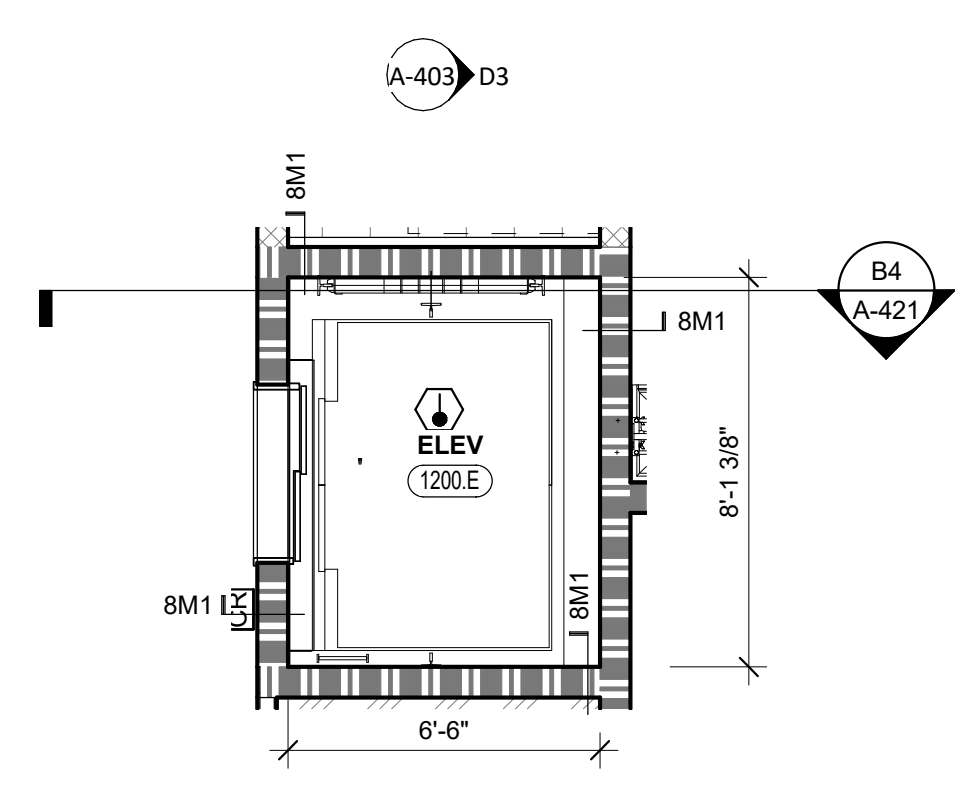
A1 STAIR 1 - 1ST FLOOR PLAN
1/4" = 1'-0"



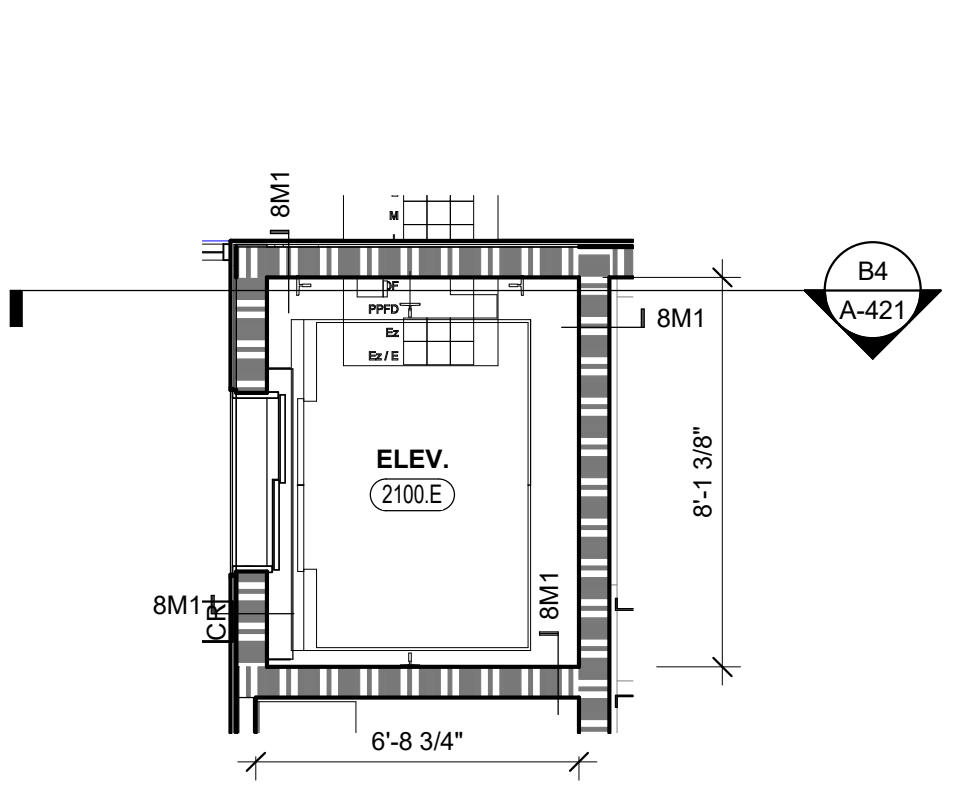
A2 STAIR 2 - 1ST FLOOR PLAN
1/4" = 1'-0"



A3 STAIR 3 - 1ST FLOOR PLAN
1/4" = 1'-0"



A4 ELEVATOR - 1ST FLOOR PLAN
1/4" = 1'-0"



A5 ELEVATOR - 2ND FLOOR PLAN
1/4" = 1'-0"

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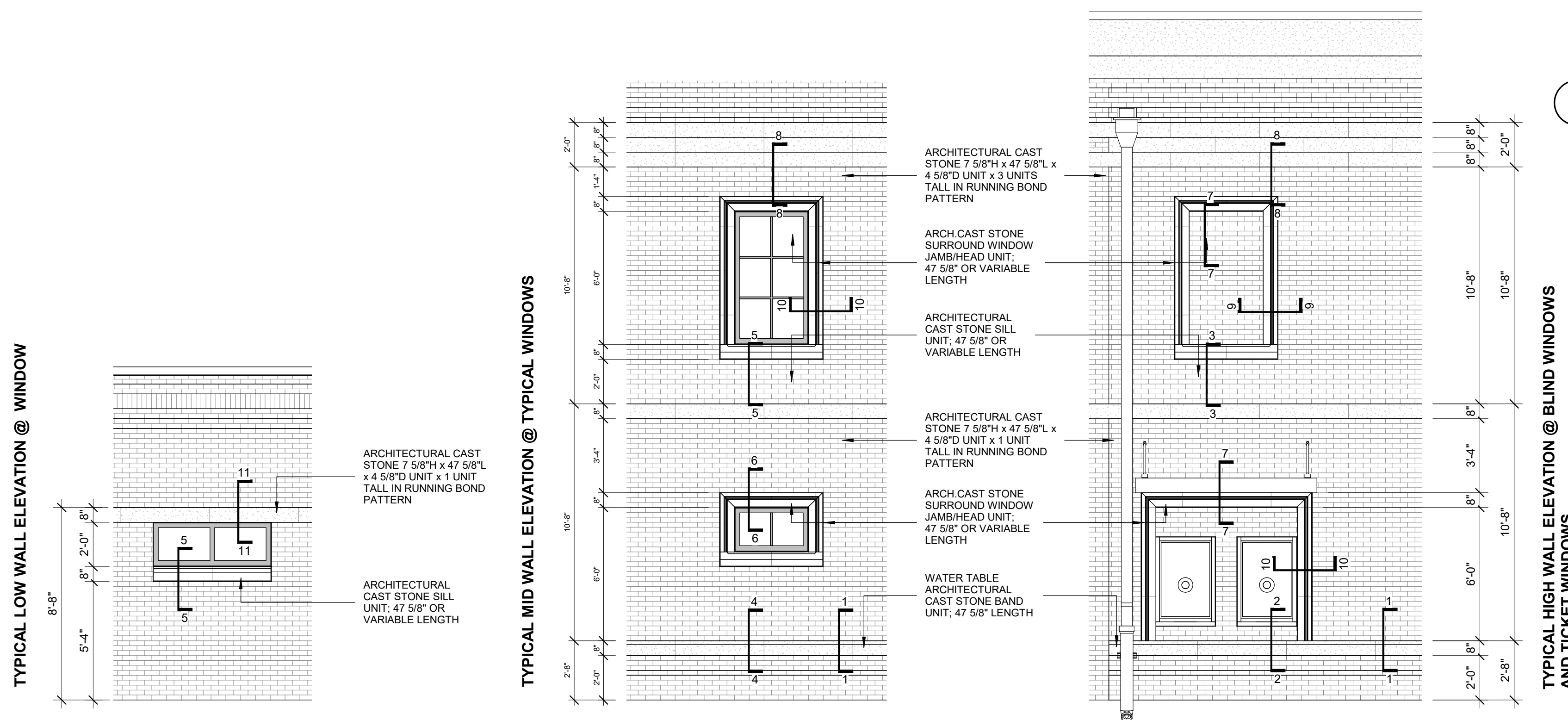
PROJECT: 5201-192070
 DATE: 05/12/2023
 DRAWN BY: SRG
 CHECKED BY: SRG

ARCHITECTURAL CAST STONE TYPICAL DETAILS

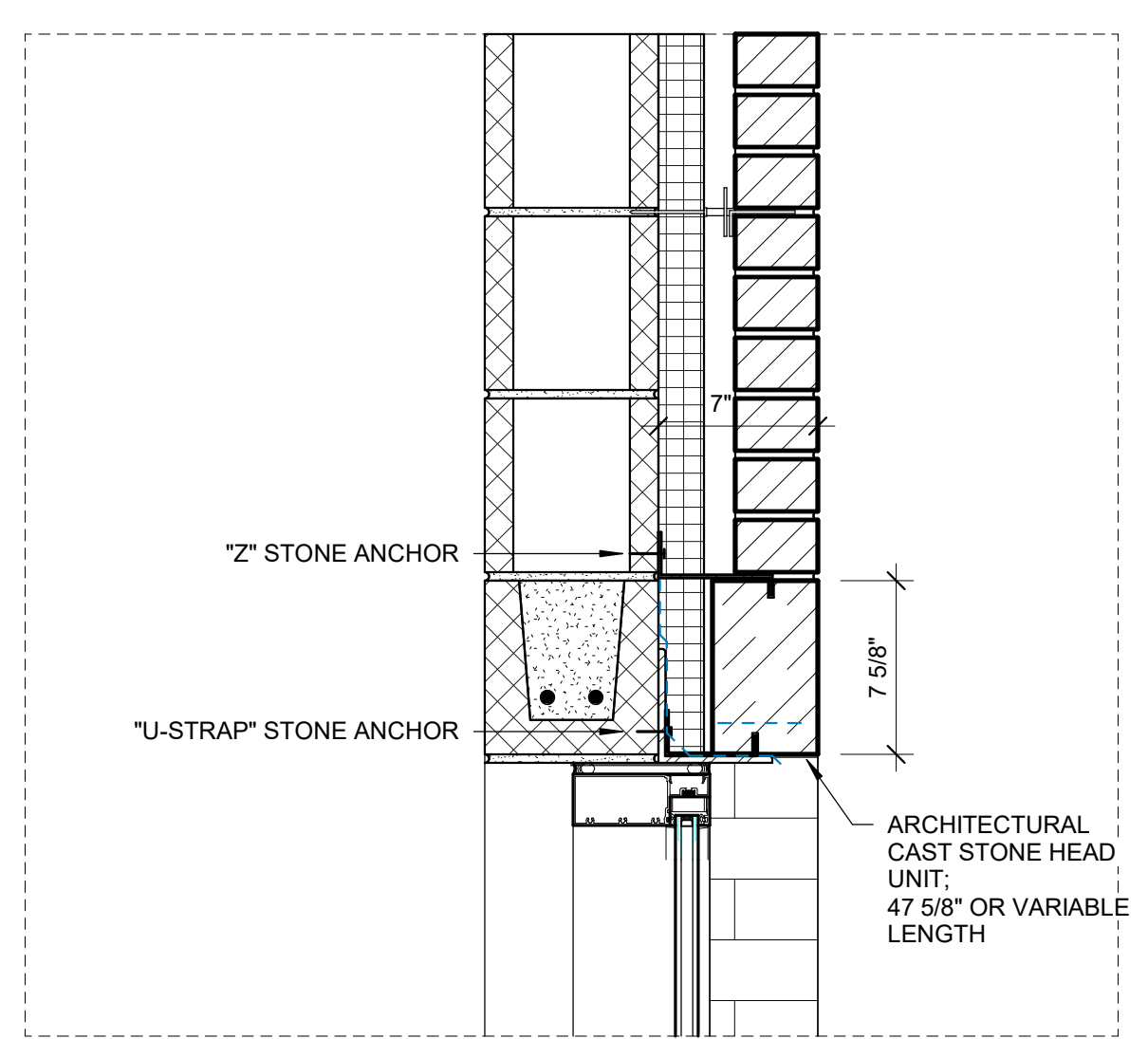
A-506

0 CS DETAILS - KEY ELEVATIONS
 1/4" = 1'-0"

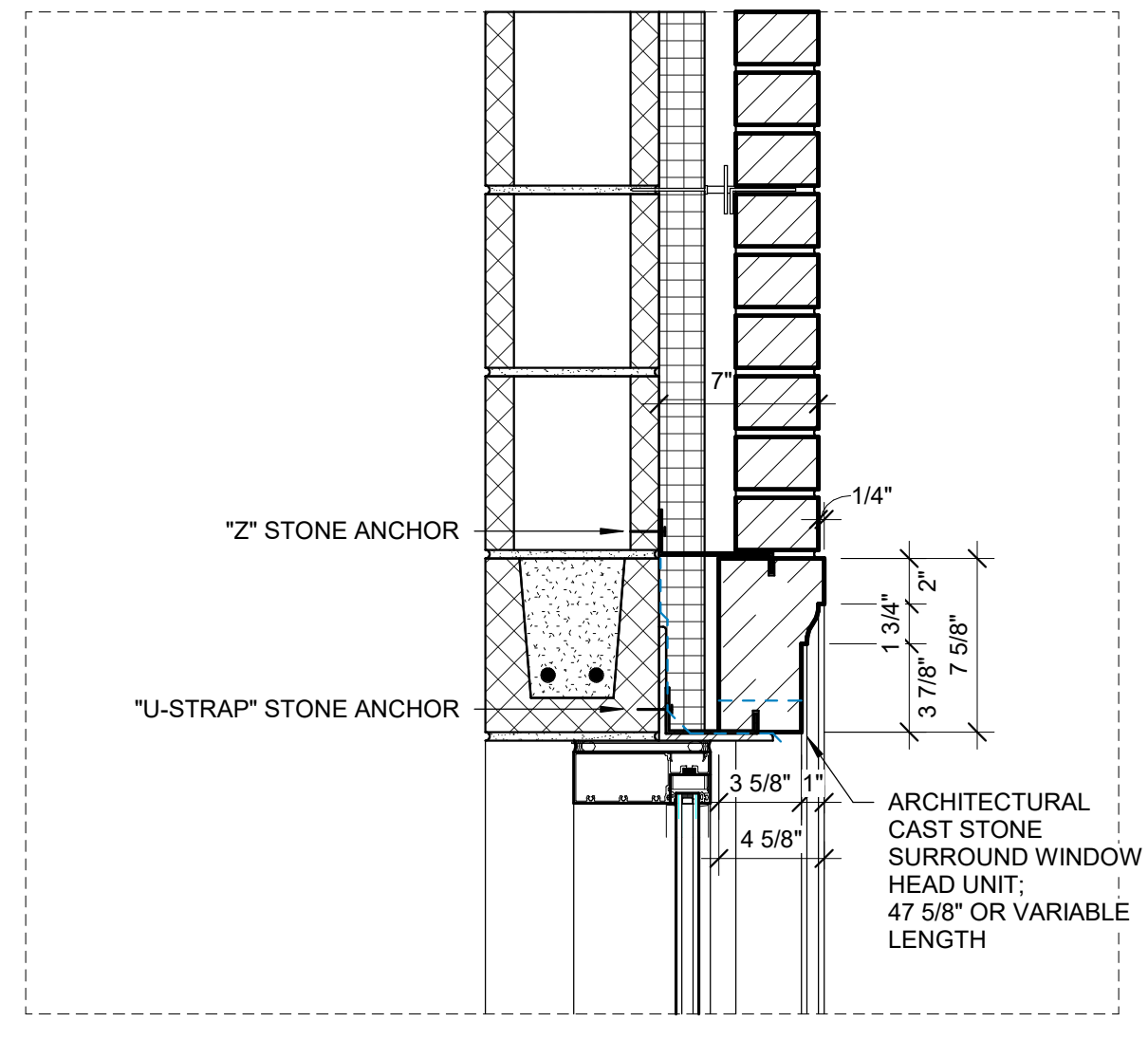
- ARCHITECTURAL CAST STONE GENERAL NOTES:
1. YKK YHW 60 TU WINDOW WALL SYSTEM IS THE DESIGN BASIS TYPICAL WINDOW.
 2. THE DESIGN INTENT FOR THE WINDOW SYSTEM AND CAST STONE DETAILING IS TO MAINTAIN MINIMUM CONTINUOUS INSULATION THICKNESS AT THE WINDOW HEAD, JAMB, & SILL DETAIL LOCATIONS.
 3. AT THE WINDOW SILLS, SECONDARY ALUMINUM SILL PAN FLASHING WITH HEMMED/SLOPED DRIP EDGE MATCHING THE WINDOW MATERIAL & FINISH COLOR TO BE PROVIDED TO SPAN THE INSULATION & AIR GAP BETWEEN THE CMU CORE WALL AND THE BACK OF ARCHITECTURAL CAST STONE SILL. PROVIDE SEALTANT JOINT BETWEEN SILL PAN FLASHING AND ARCHITECTURAL CAST STONE SILL.
 4. AT THE WINDOW JAMBS, ALUMINUM JAMB FLASHING WITH HEMMED FRONT EDGE MATCHING THE WINDOW MATERIAL & FINISH COLOR TO BE PROVIDED TO SPAN THE INSULATION & AIR GAP BETWEEN THE CMU CORE WALL AND THE BACK OF ARCHITECTURAL CAST STONE JAMB SURROUND. PROVIDE SEALTANT JOINT BETWEEN JAMB FLASHING AND ARCHITECTURAL CAST STONE JAMB.



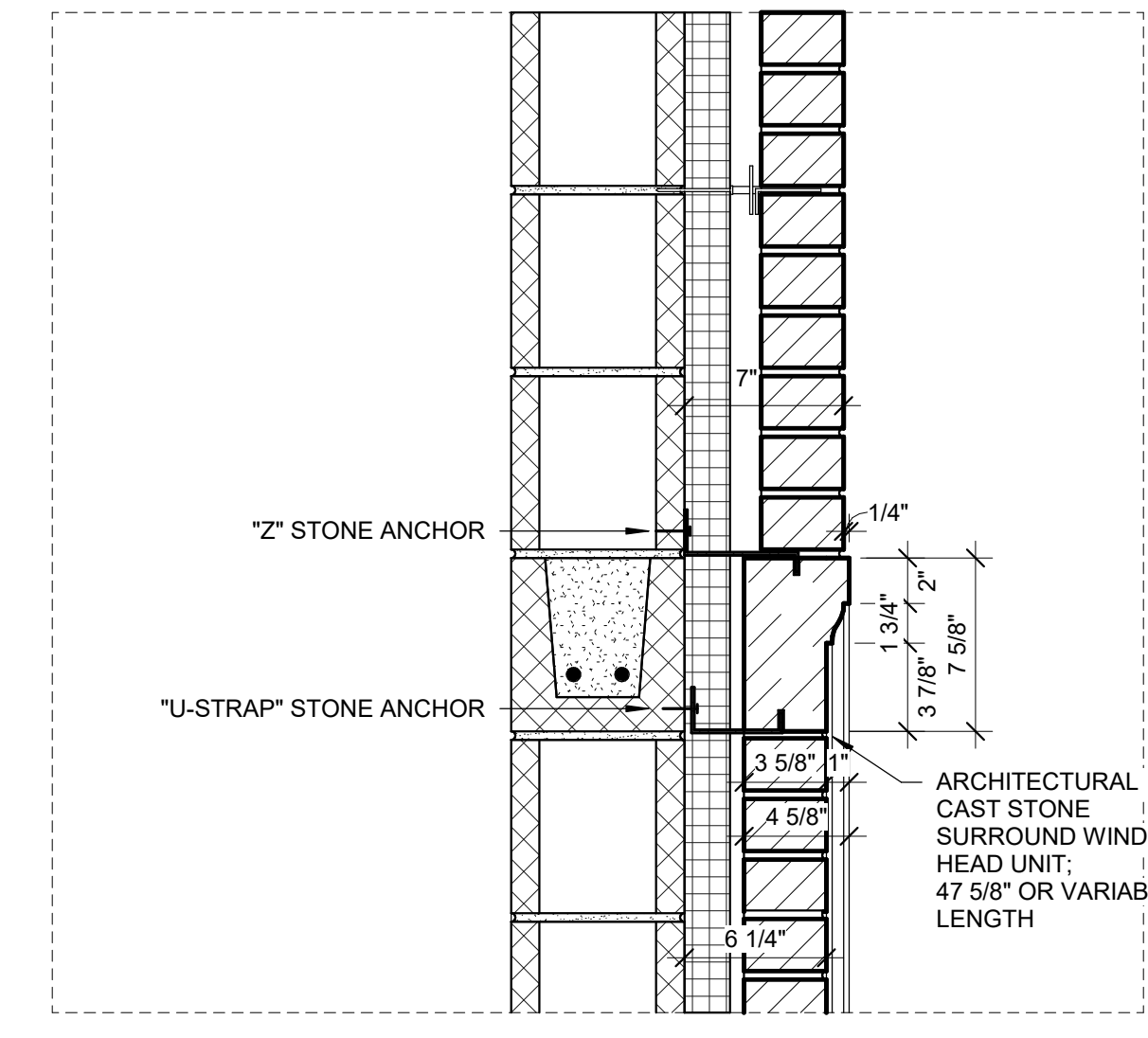
11 CS DETAIL M
 1 1/2" = 1'-0"



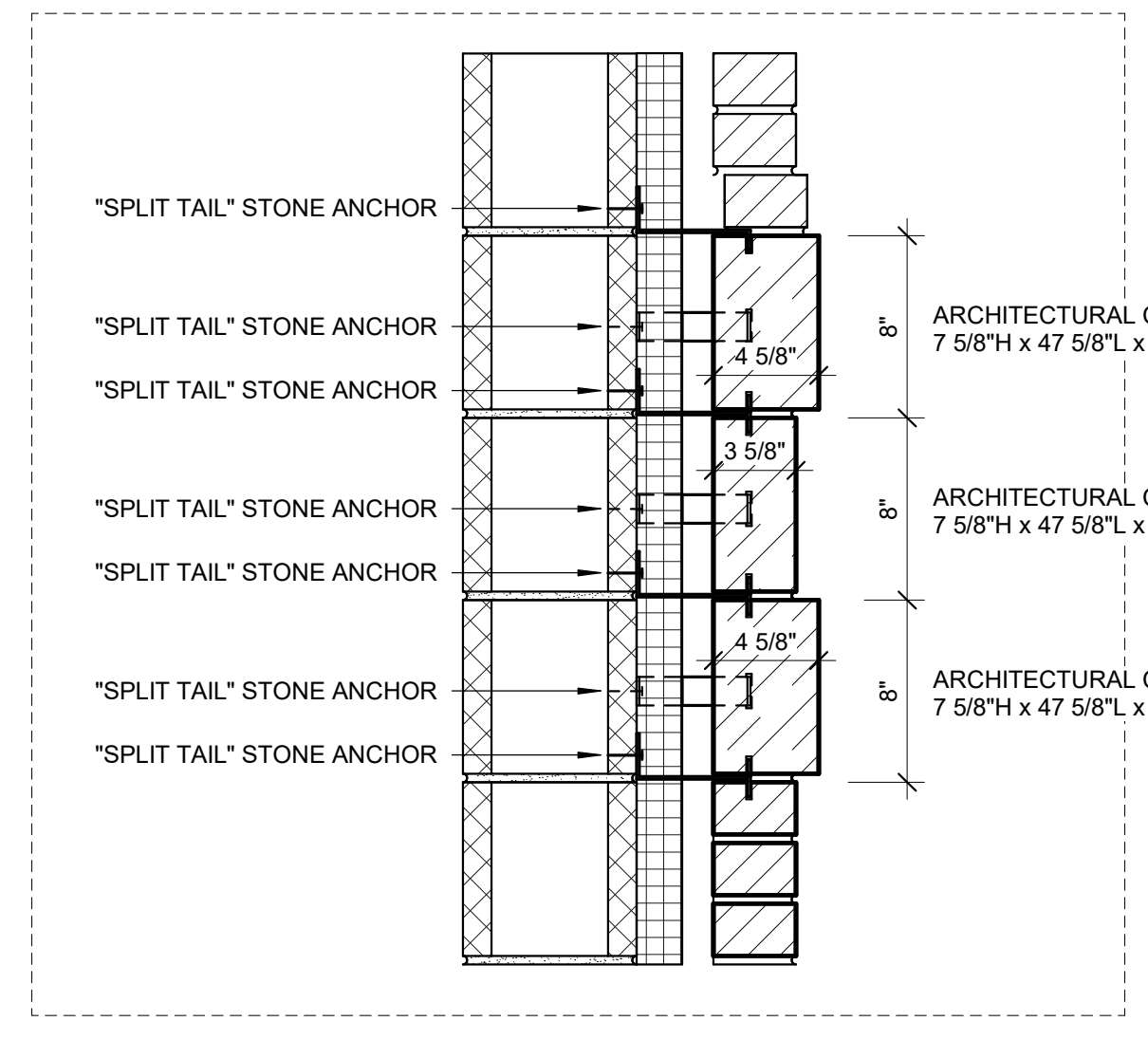
6 CS DETAIL J
 1 1/2" = 1'-0"



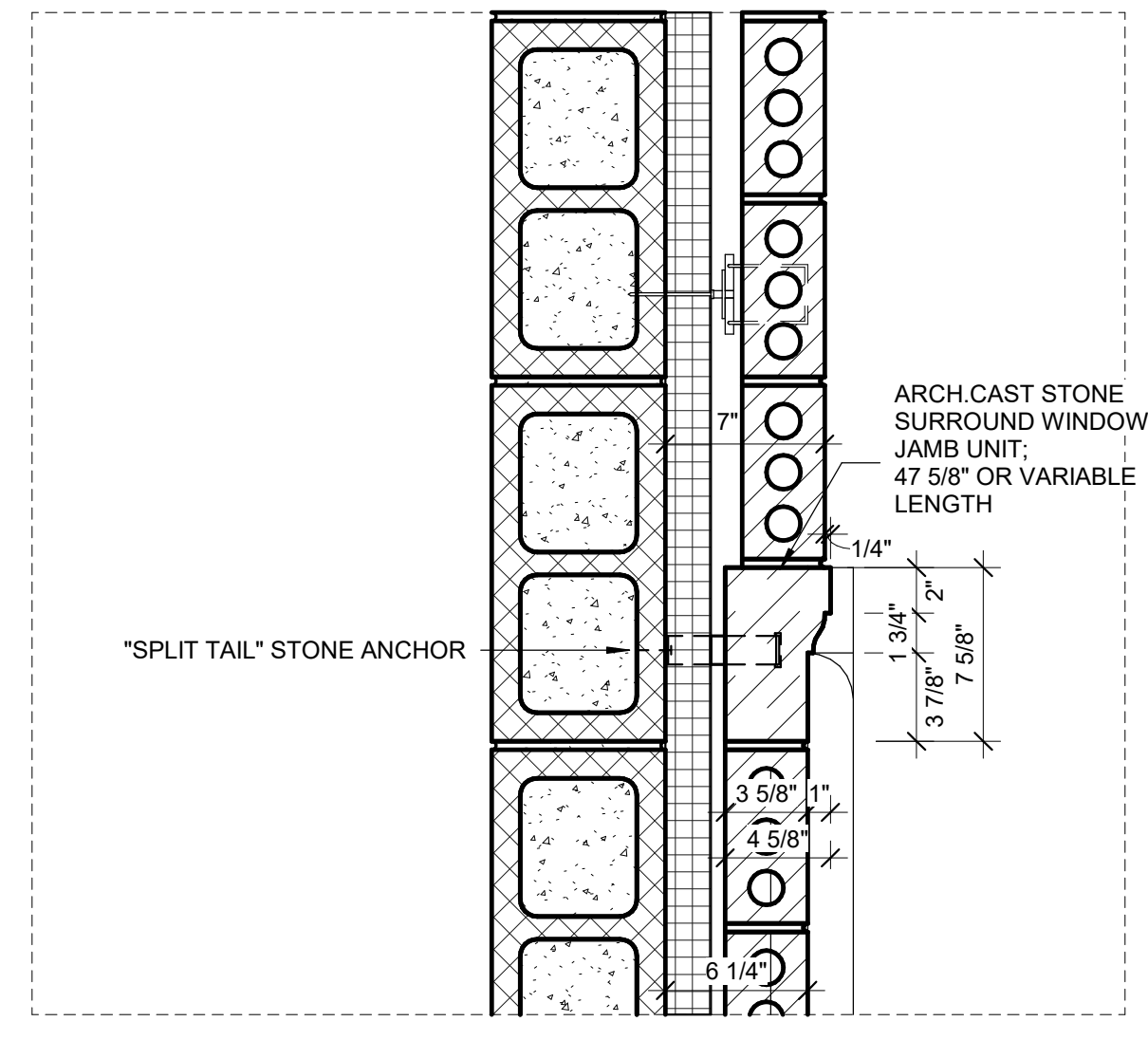
7 CS DETAIL 7
 1 1/2" = 1'-0"



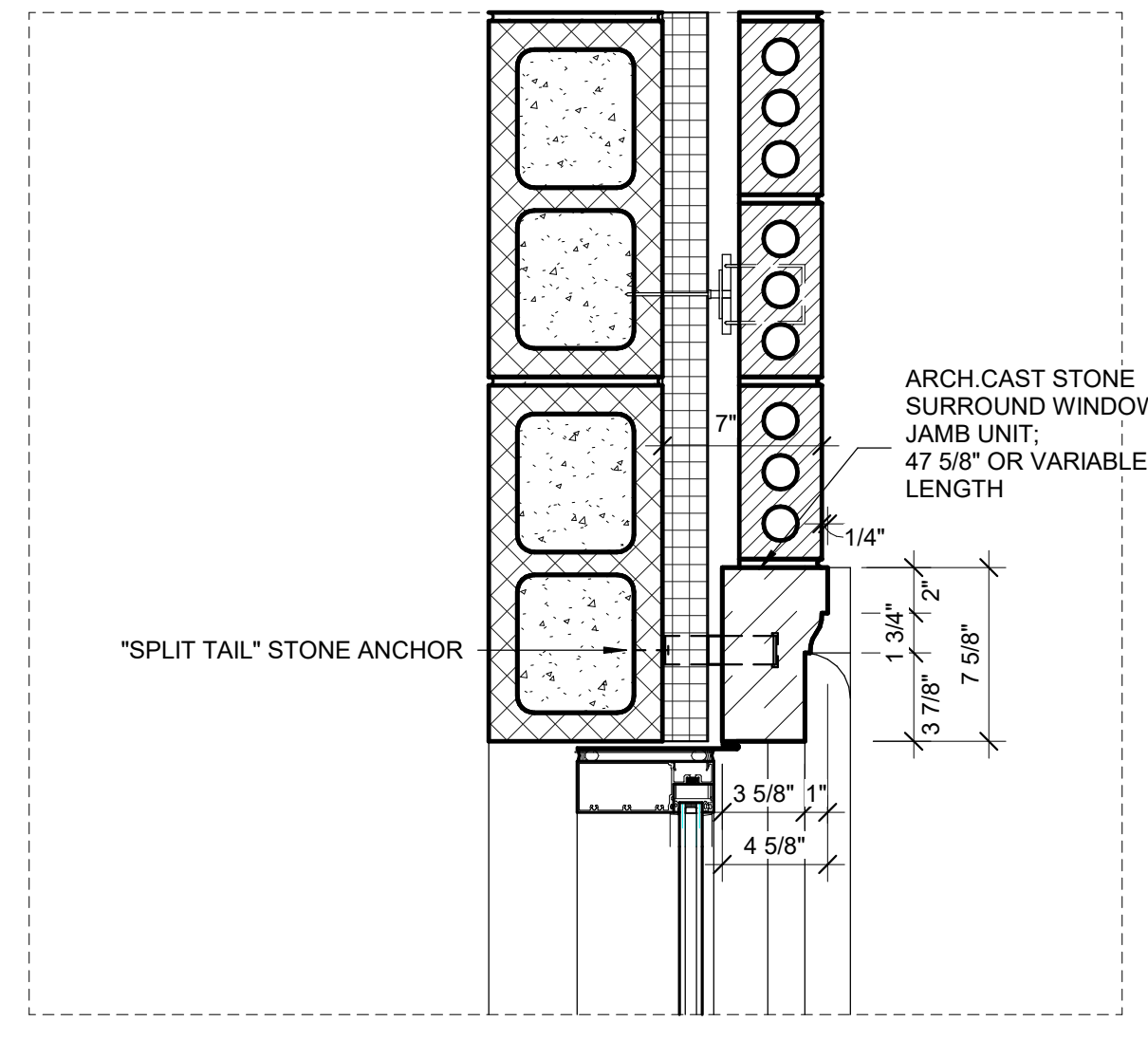
8 CS DETAIL 8
 1 1/2" = 1'-0"



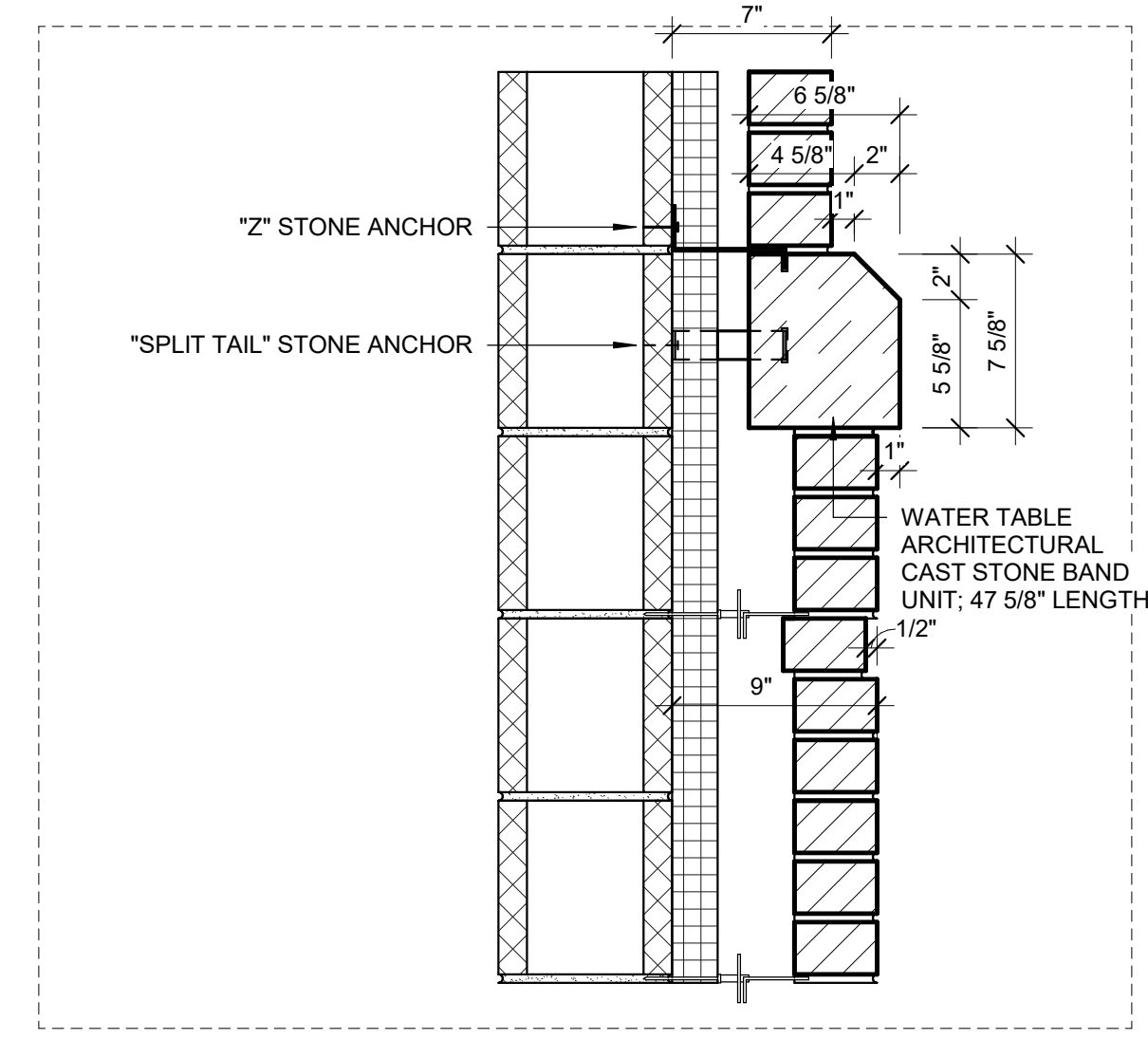
9 CS DETAIL 9
 1 1/2" = 1'-0"



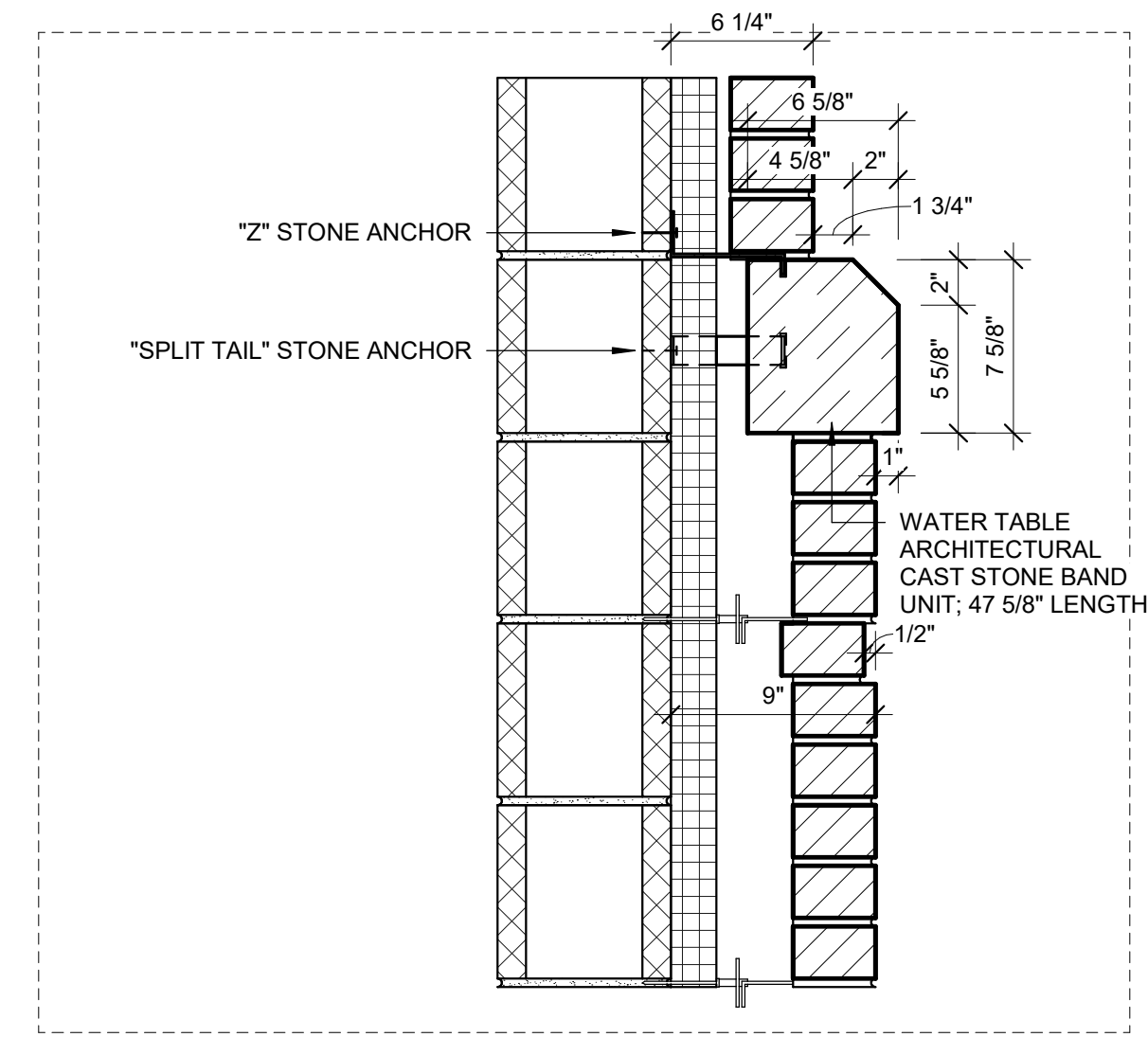
10 CS DETAIL I
 1 1/2" = 1'-0"



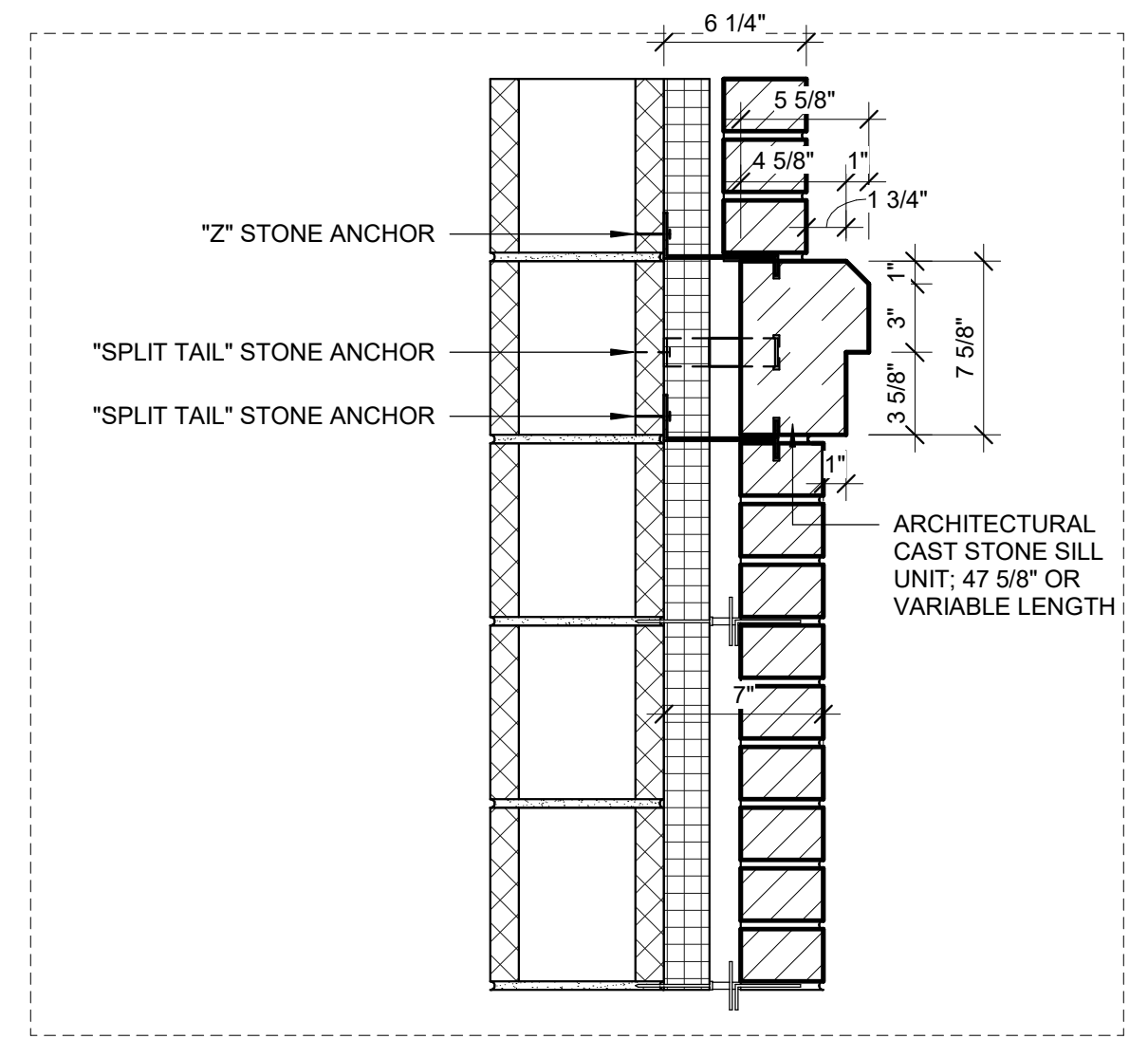
1 CS DETAIL 4
 1 1/2" = 1'-0"



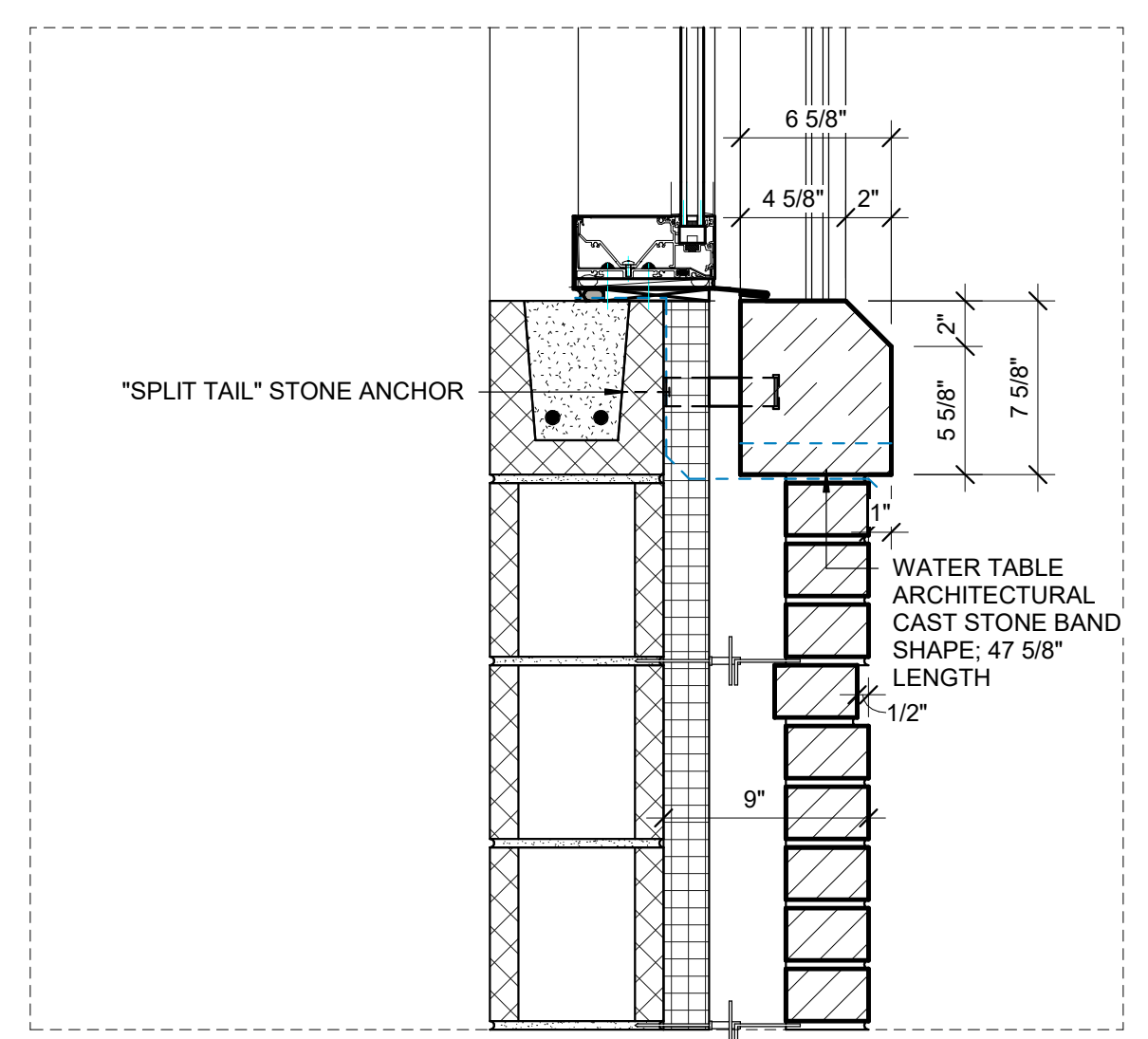
2 CS DETAIL 5
 1 1/2" = 1'-0"



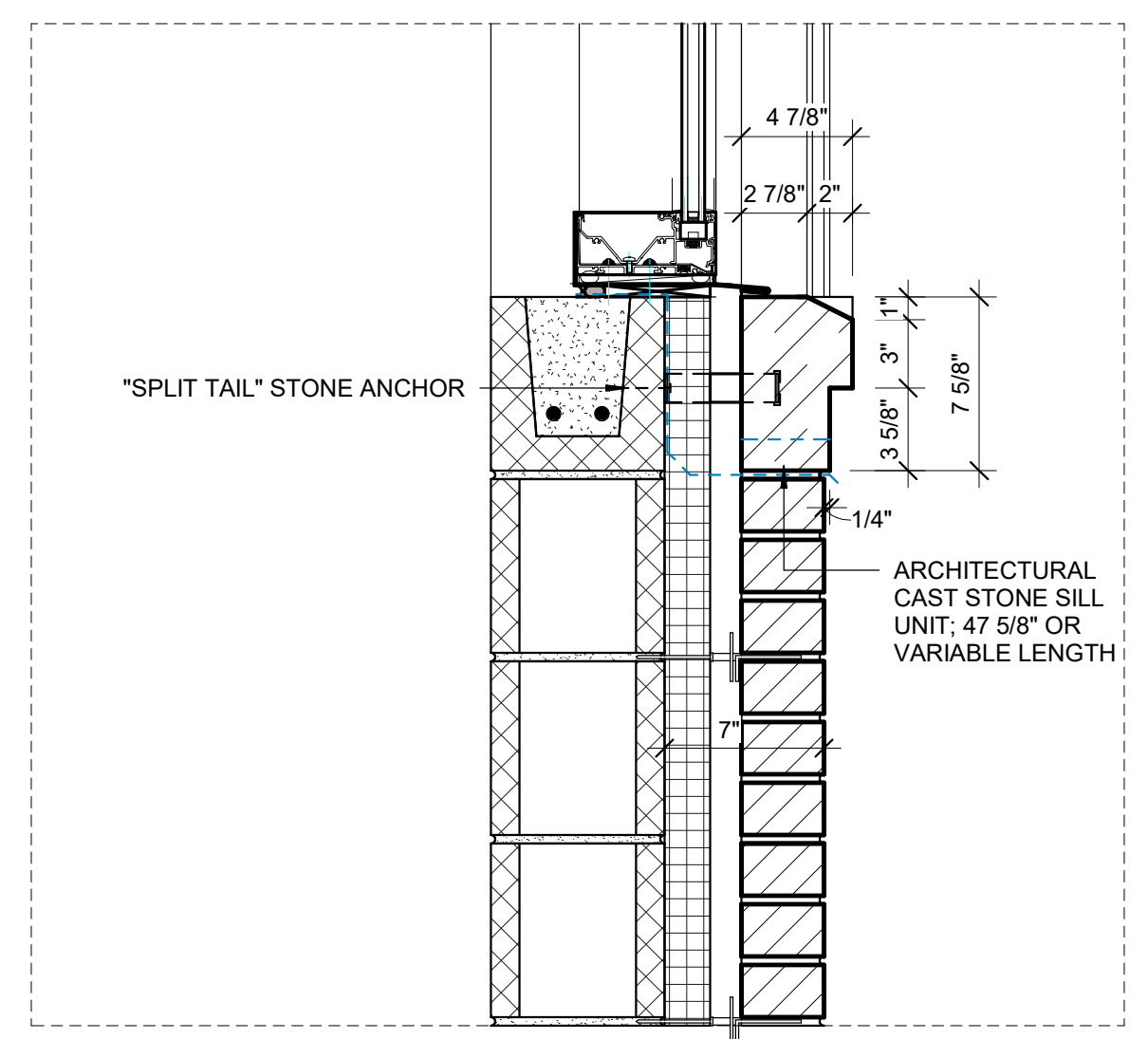
3 CS DETAIL 6
 1 1/2" = 1'-0"



4 CS DETAIL L
 1 1/2" = 1'-0"



5 CS DETAIL H
 1 1/2" = 1'-0"



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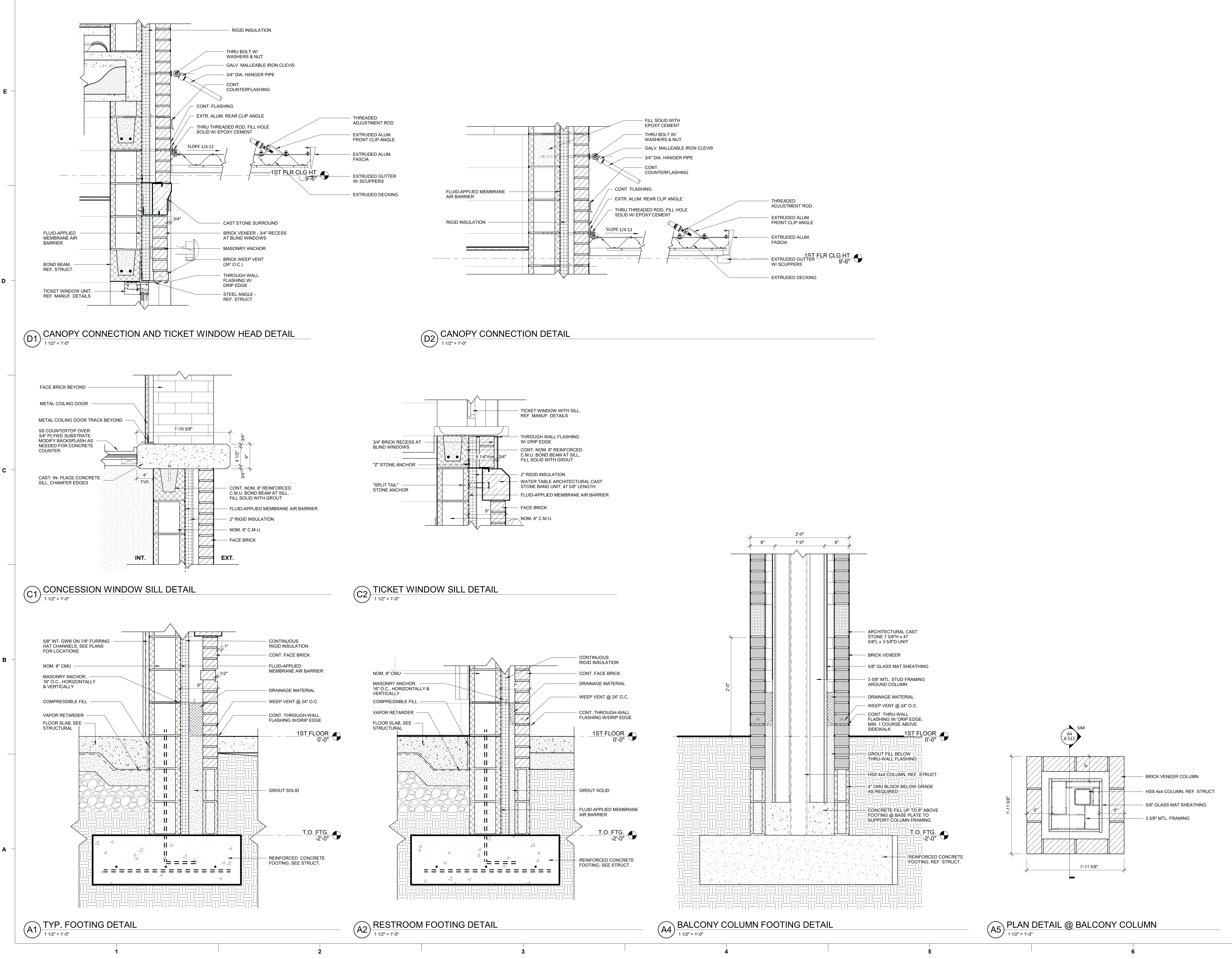
REVISIONS:

No.	Description	Date

PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: KAS
CHECKED BY: AWM

PLAN AND SECTION DETAILS

A-511

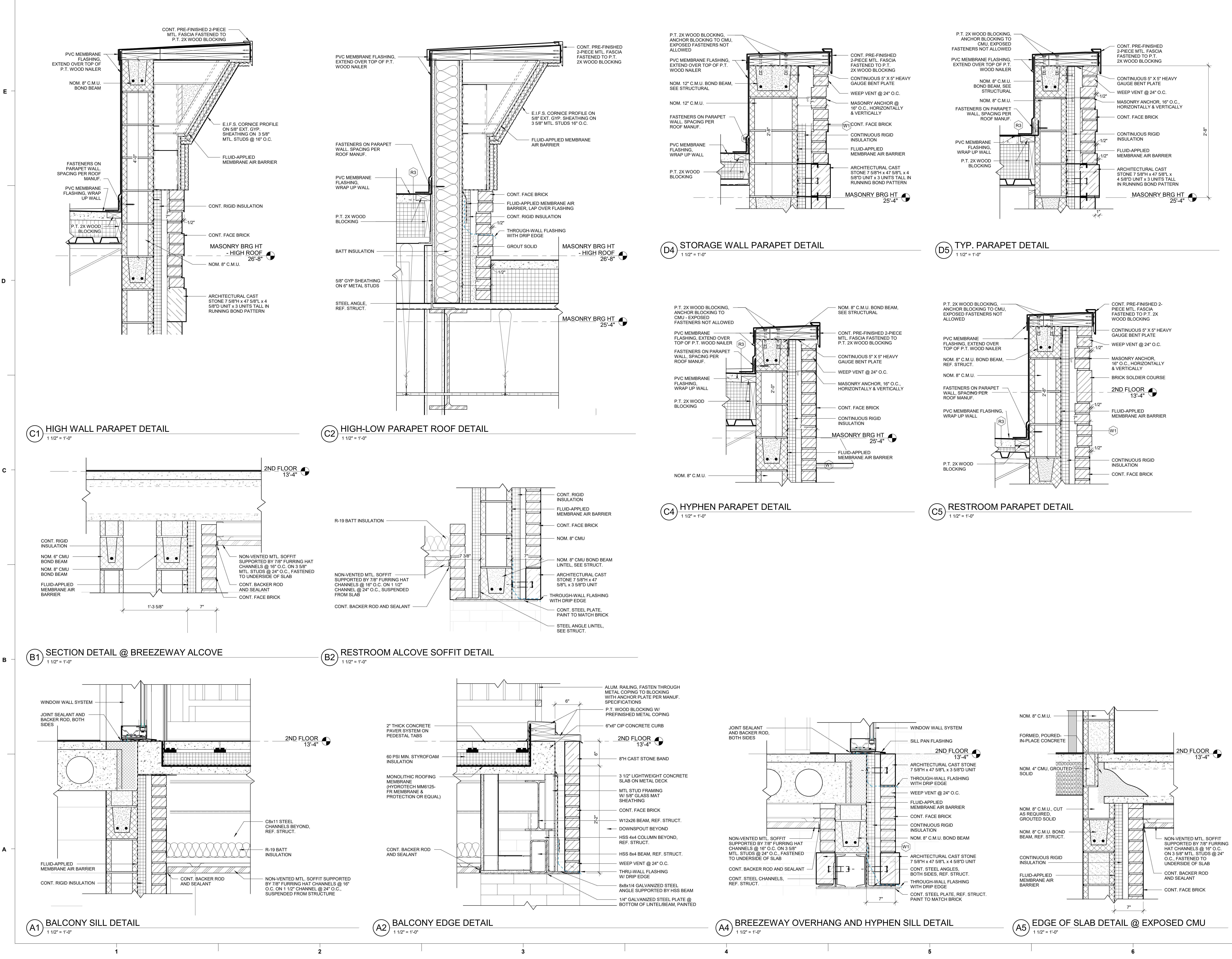


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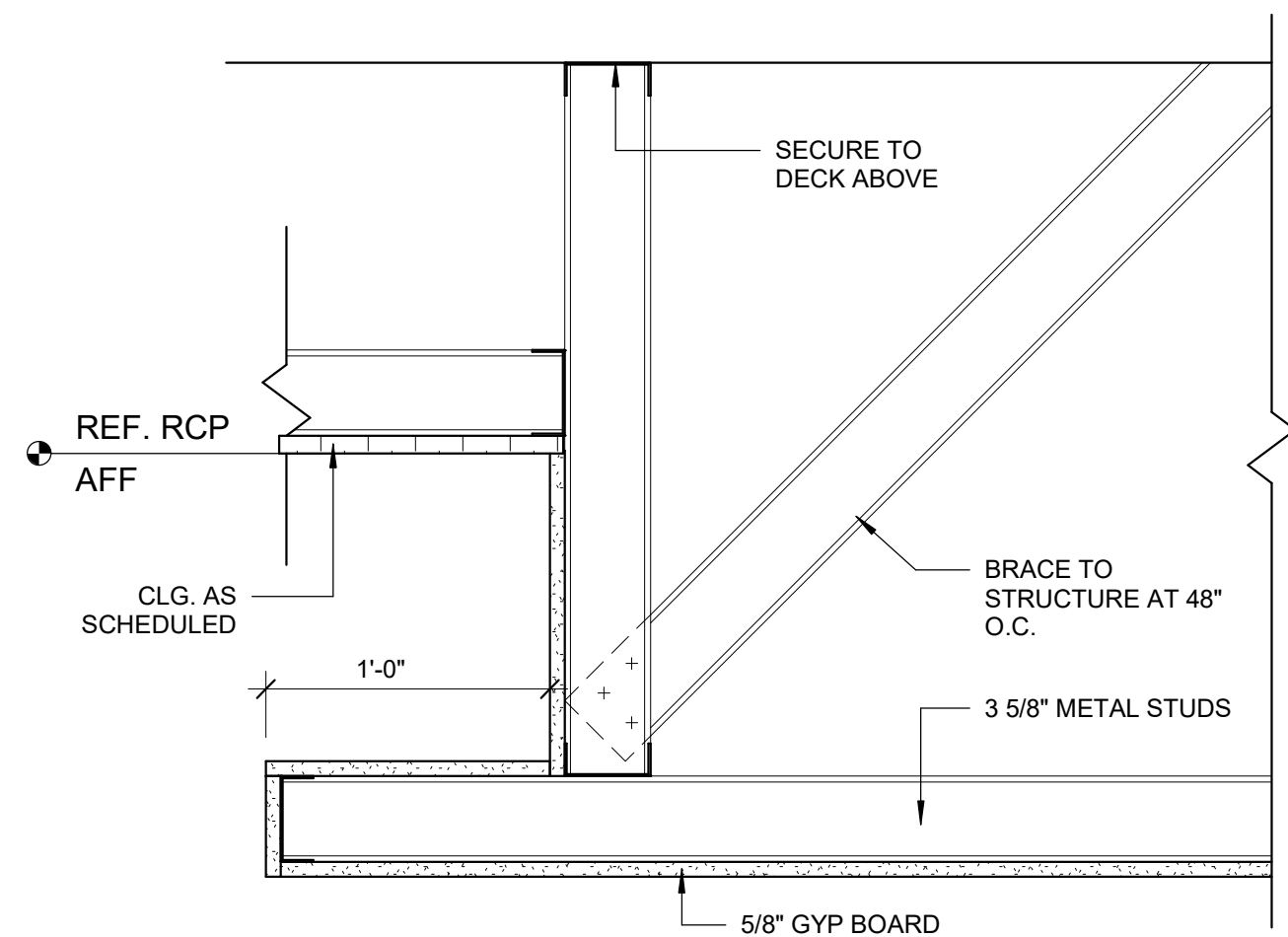
REVISIONS:

No.	Description	Date

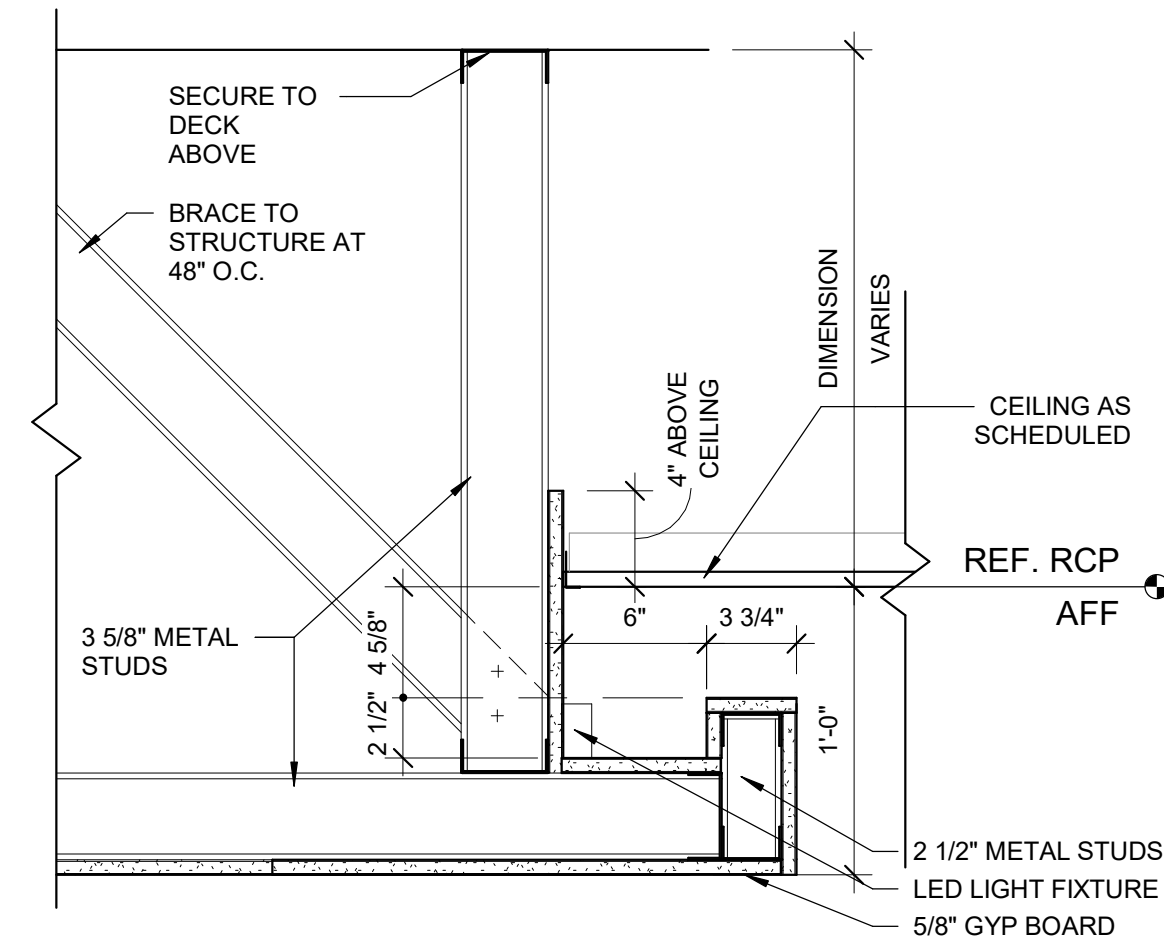
PROJECT: 5201-192070
 DATE: 05/12/2023
 DRAWN BY: KAM
 CHECKED BY: AWM



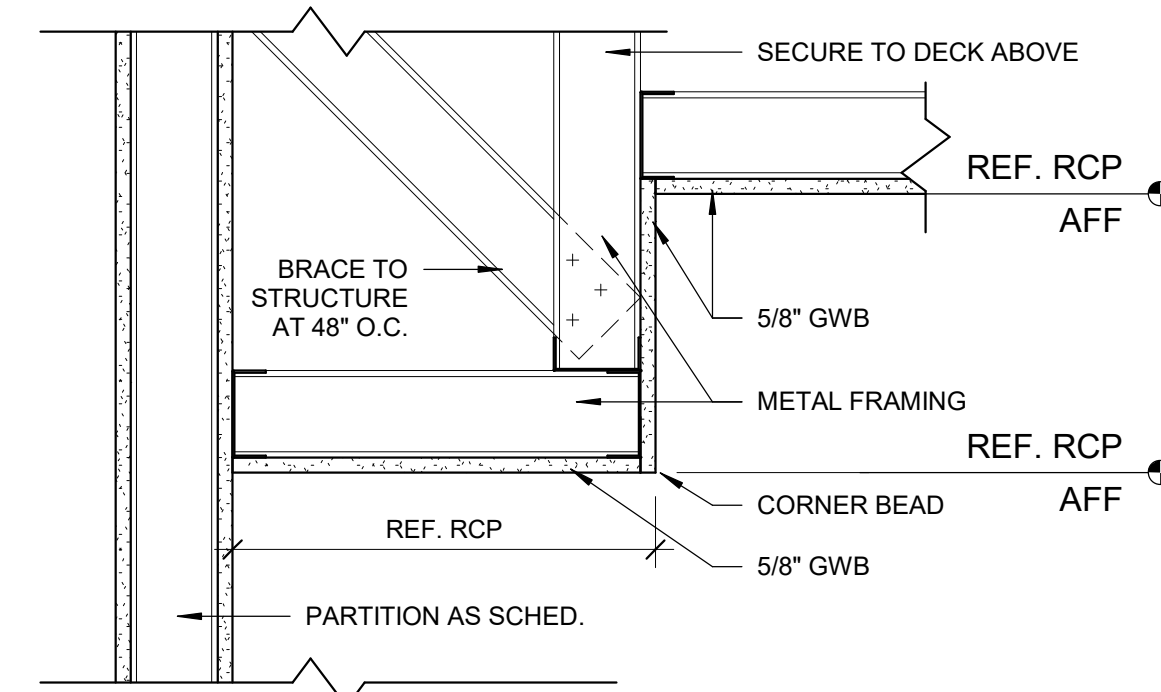
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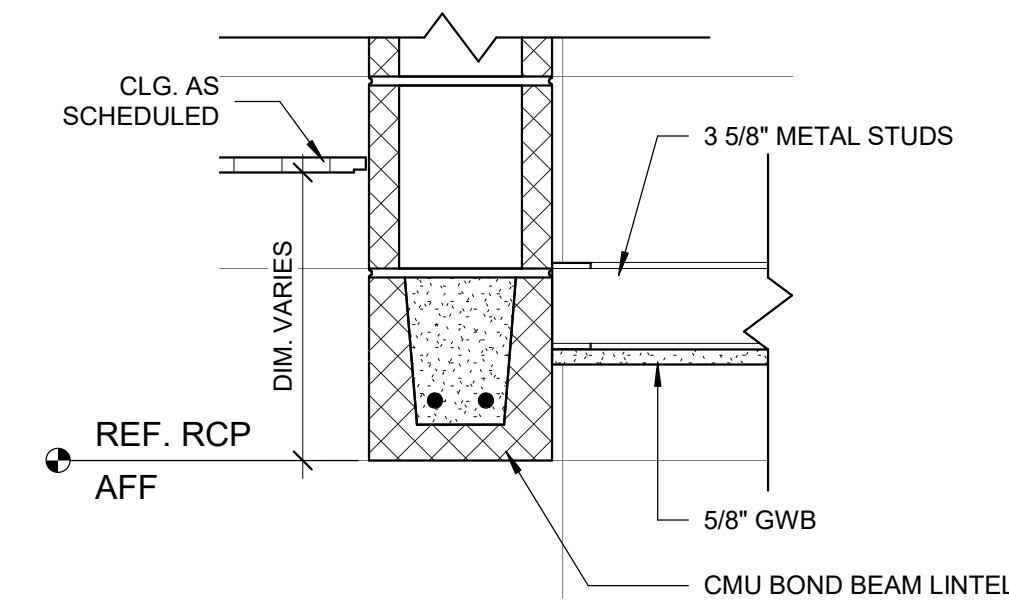
D1 FLOATING GWB DETAIL
1 1/2" = 1'-0"



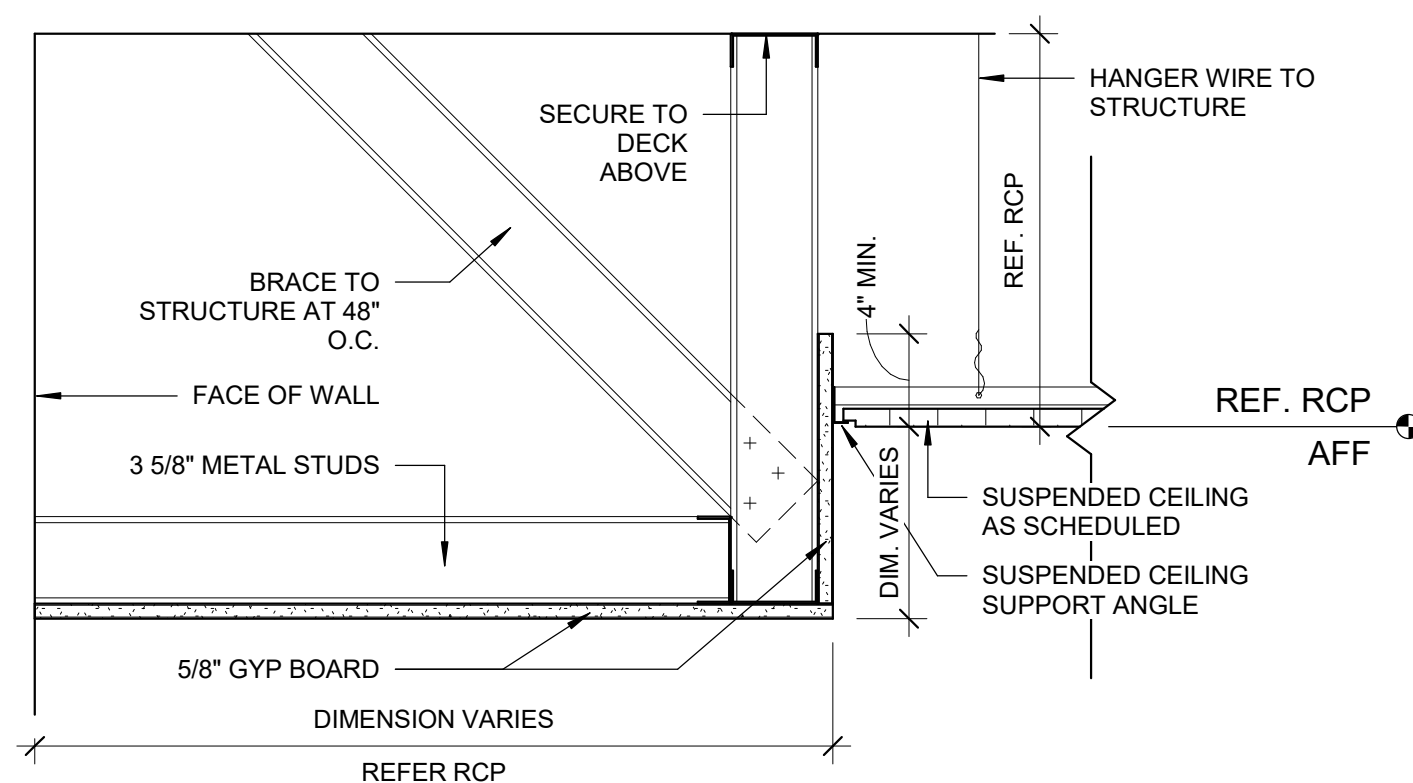
D2 GWB COVE LIGHT DETAIL
1 1/2" = 1'-0"



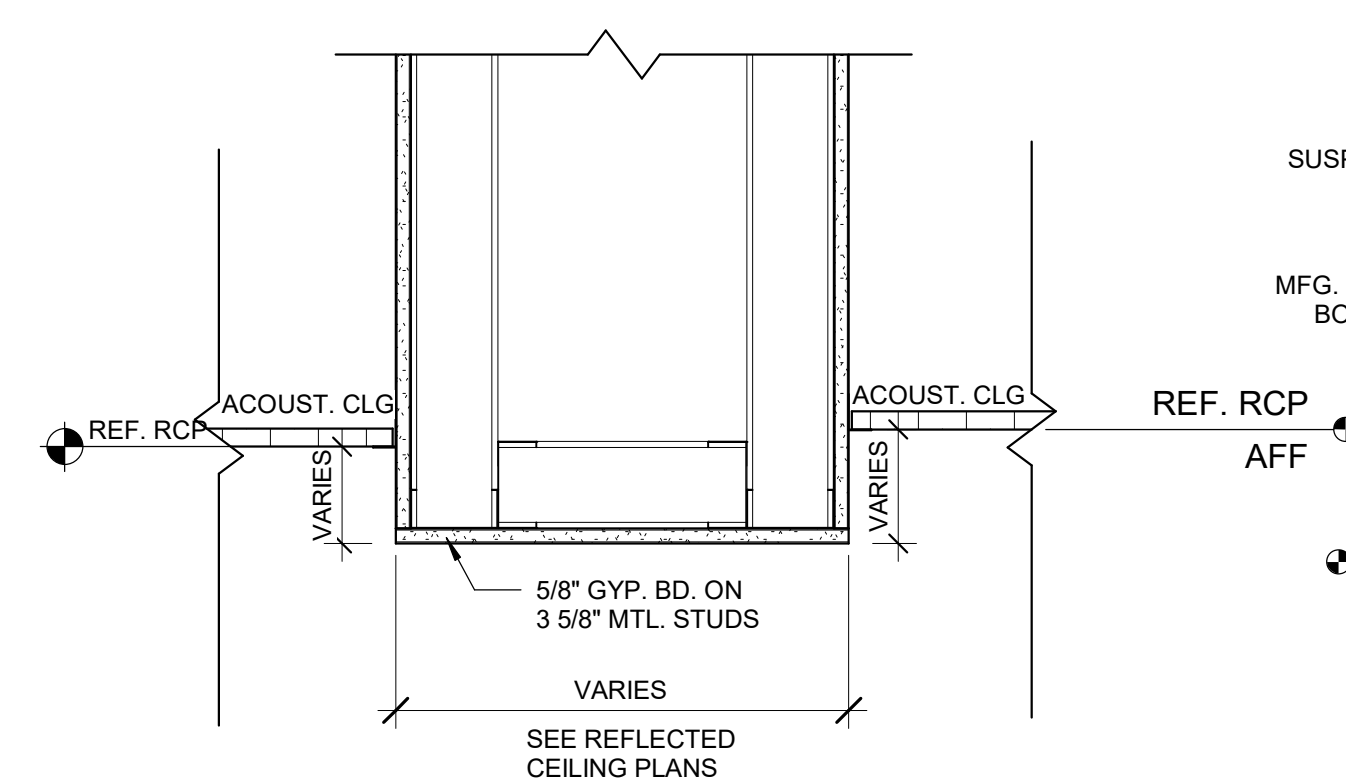
D3 GWB TO GWB SOFFIT DETAIL
1 1/2" = 1'-0"



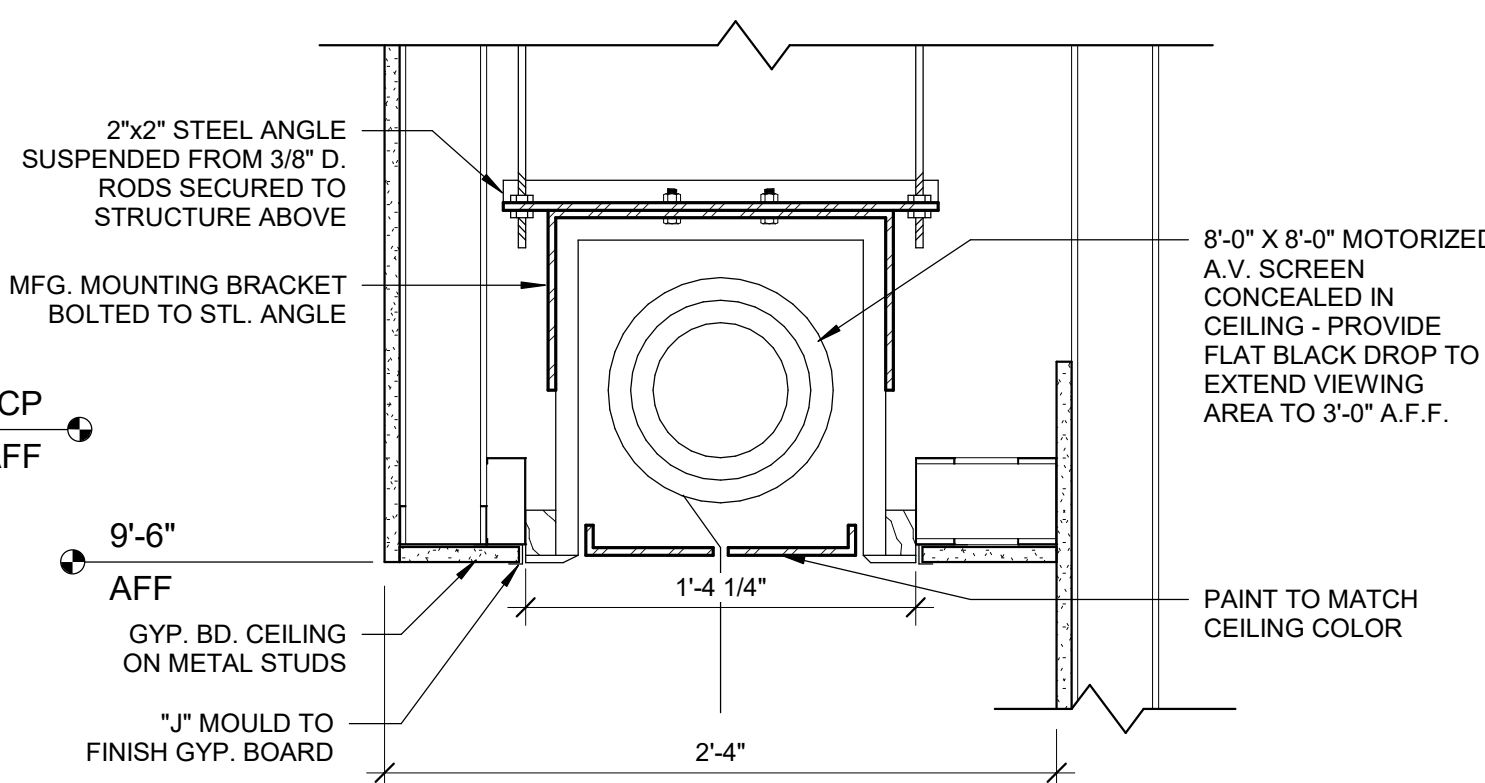
D5 CMU INTERIOR SOFFIT DETAIL
1 1/2" = 1'-0"



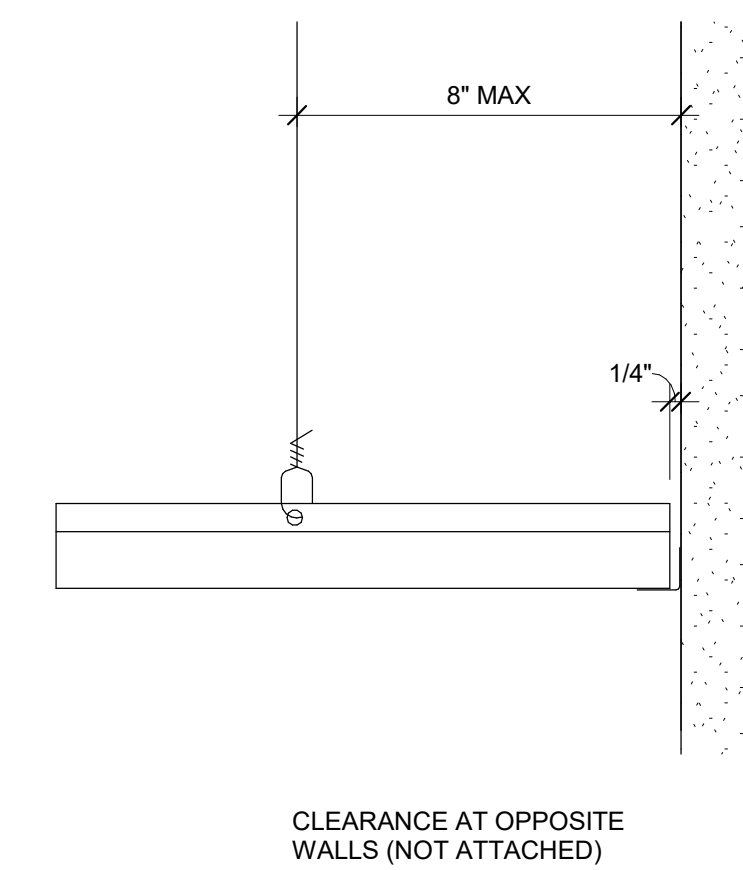
C1 LOW GWB TO HIGH ACT DETAIL
1 1/2" = 1'-0"



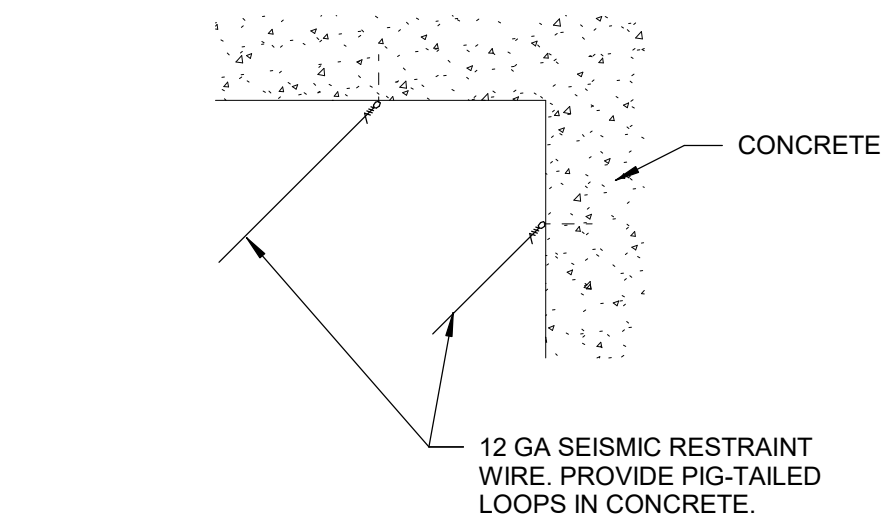
C2 LARGE BULKHEAD DETAIL
1 1/2" = 1'-0"



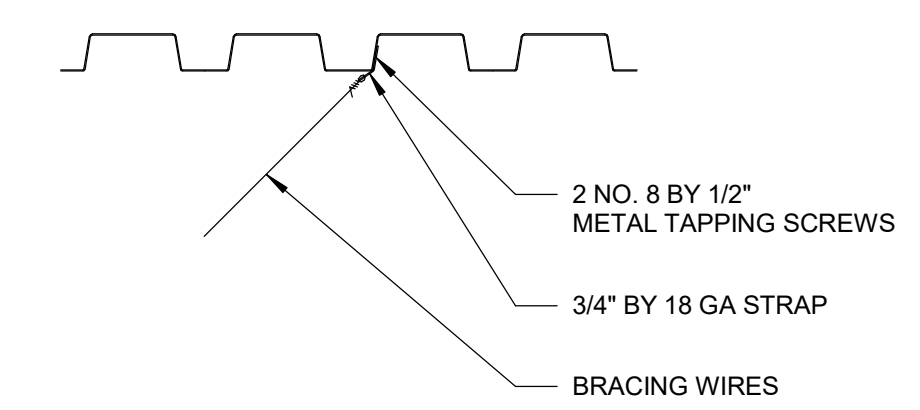
C3 MOTORIZED AV SCREEN
1 1/2" = 1'-0"



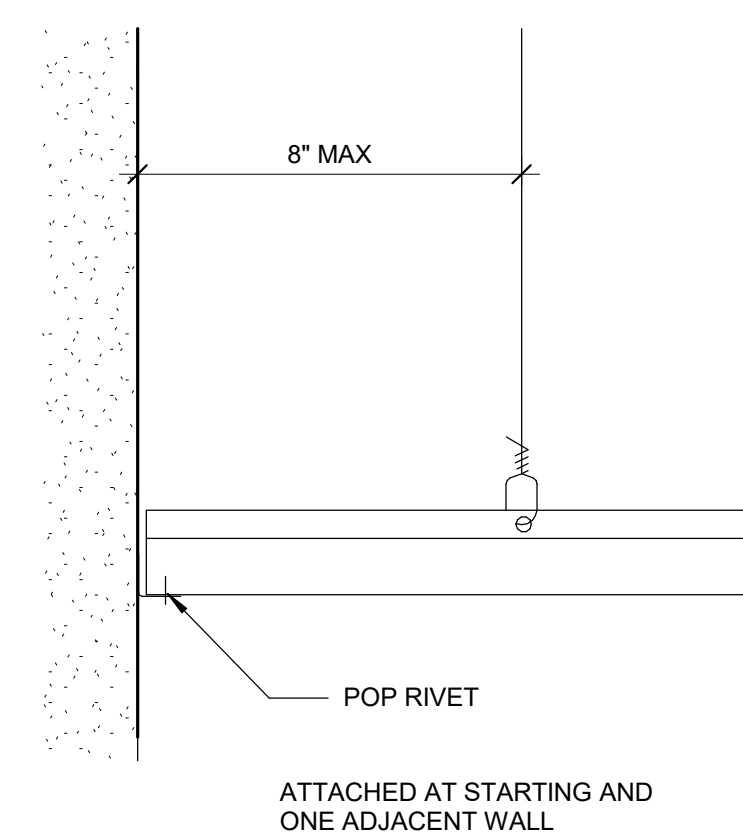
B RUNNERS @ WALLS



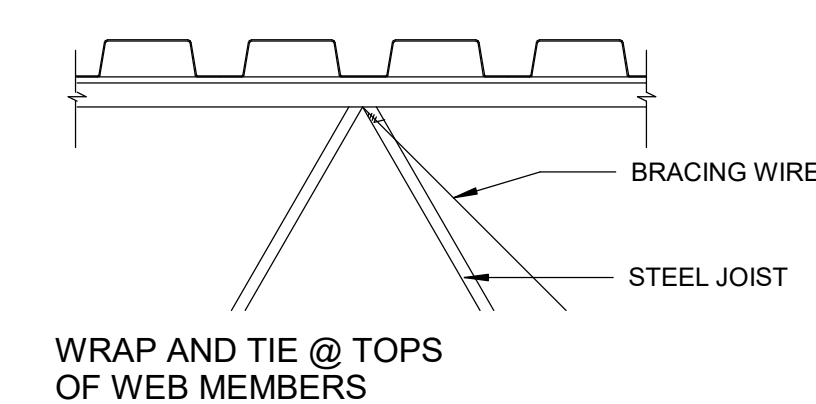
C DETAIL @ NEW CONCRETE



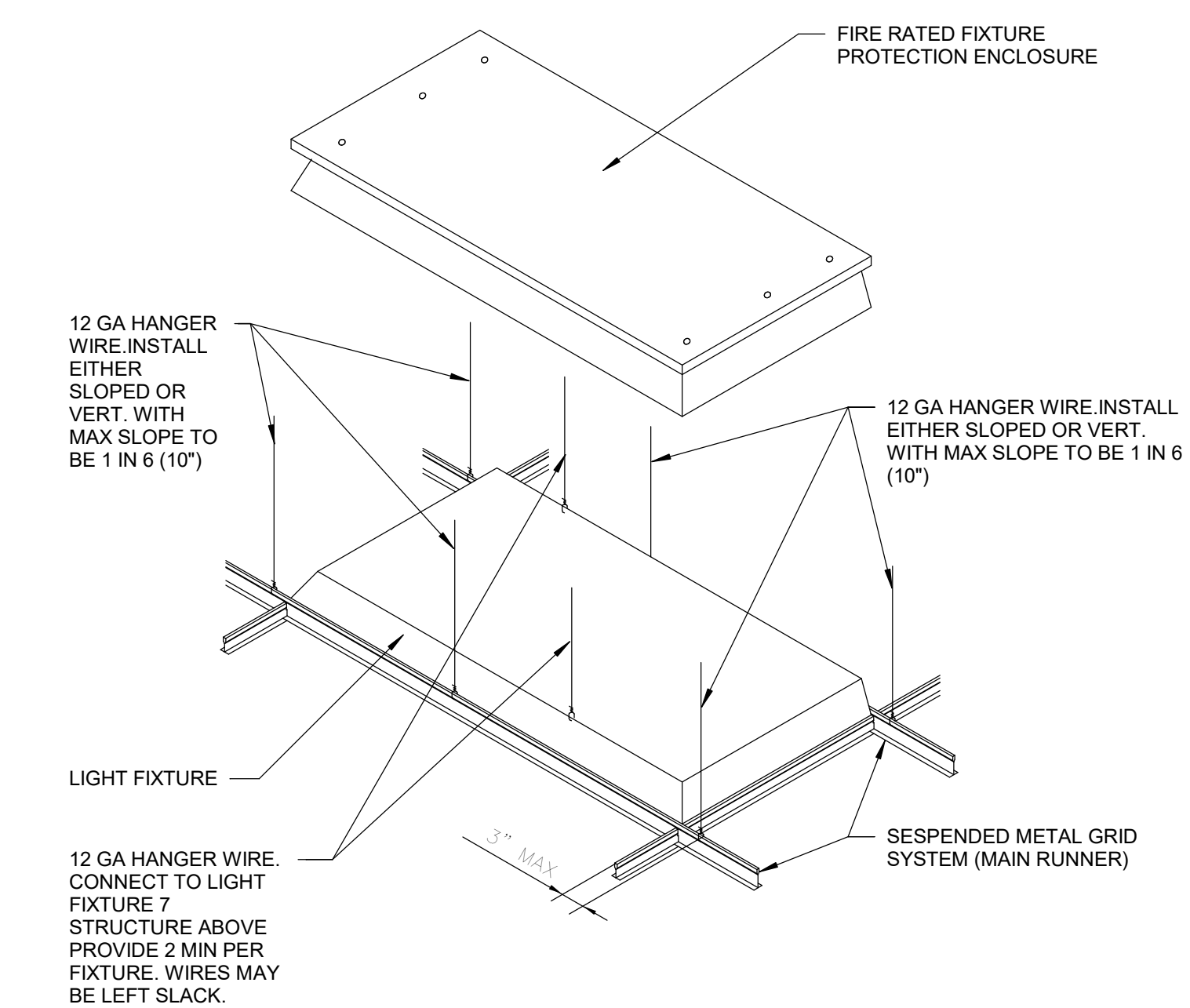
B DETAIL @ STEEL DECK



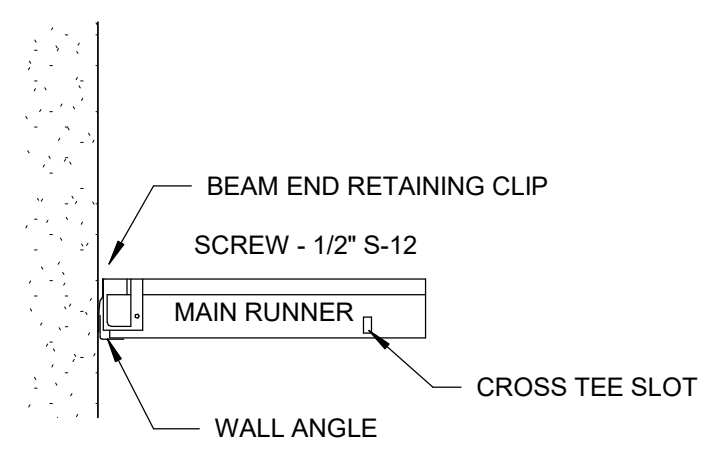
A RUNNERS @ WALLS



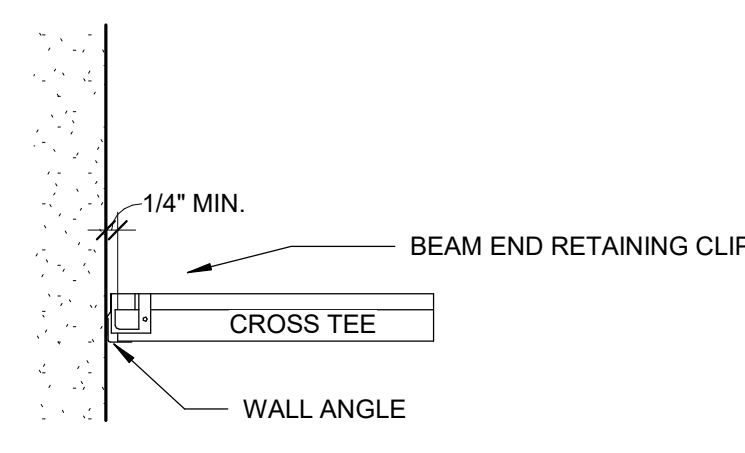
A DETAIL @ OPEN WEB STEEL JOISTS OR TRUSS JOISTS



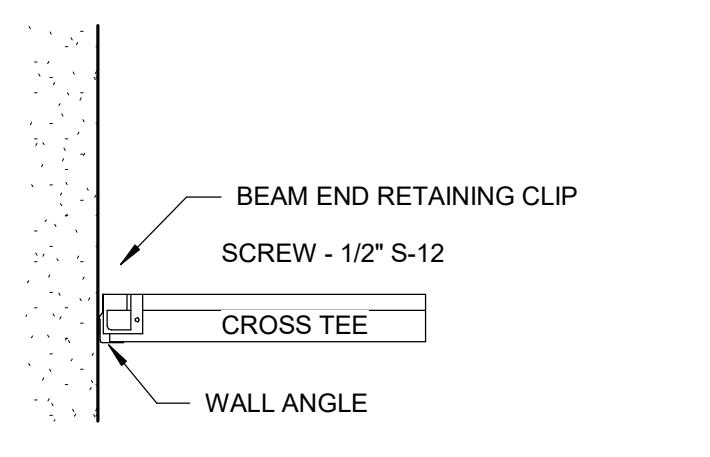
A1 LIGHT FIXTURE RESTRAINT
1 1/2" = 1'-0"



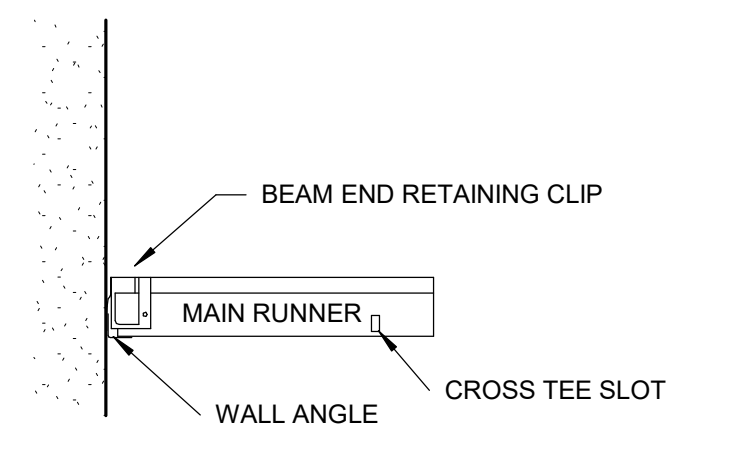
B DETAIL @ WALL



C DETAIL @ WALL



A DETAIL @ WALL



C DETAIL @ WALL

A4 RUNNERS AT WALLS
3" = 1'-0"

A5 BRACING WIRE CONNECTIONS
1 1/2" = 1'-0"

A2 DETAIL AT WALL
3" = 1'-0"

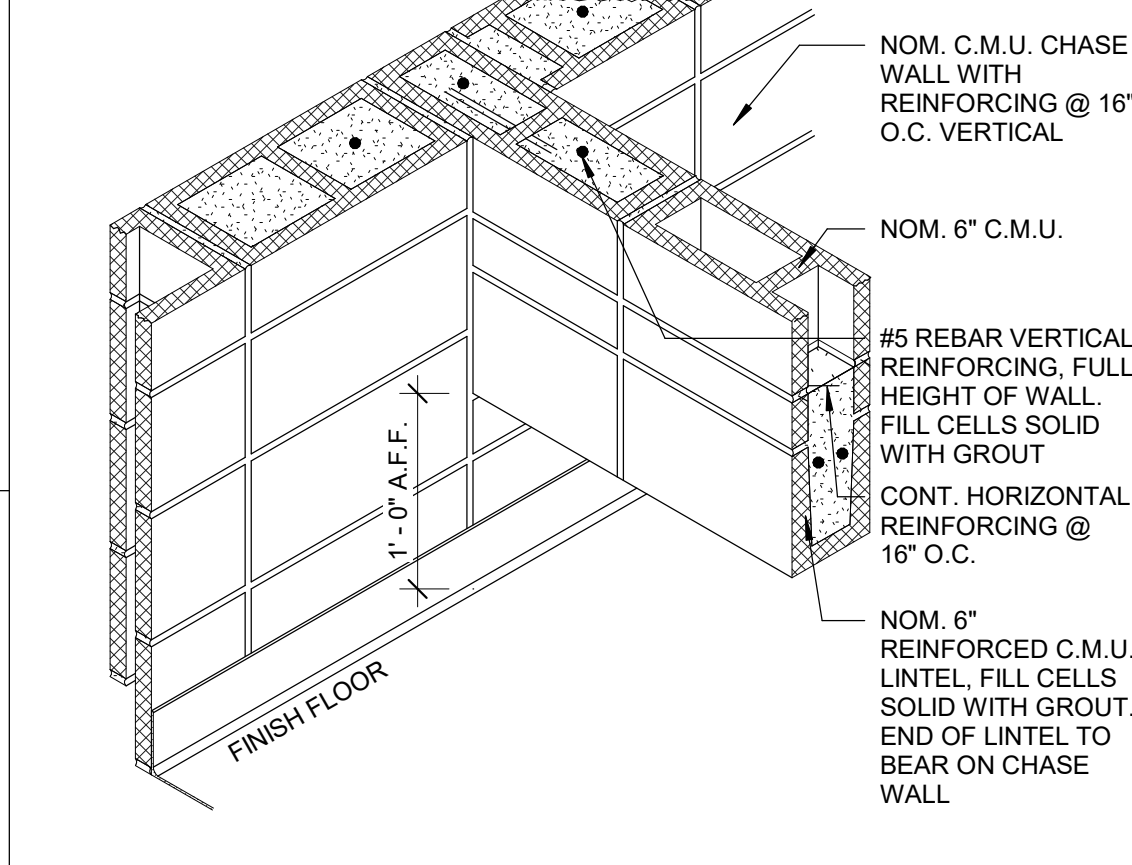
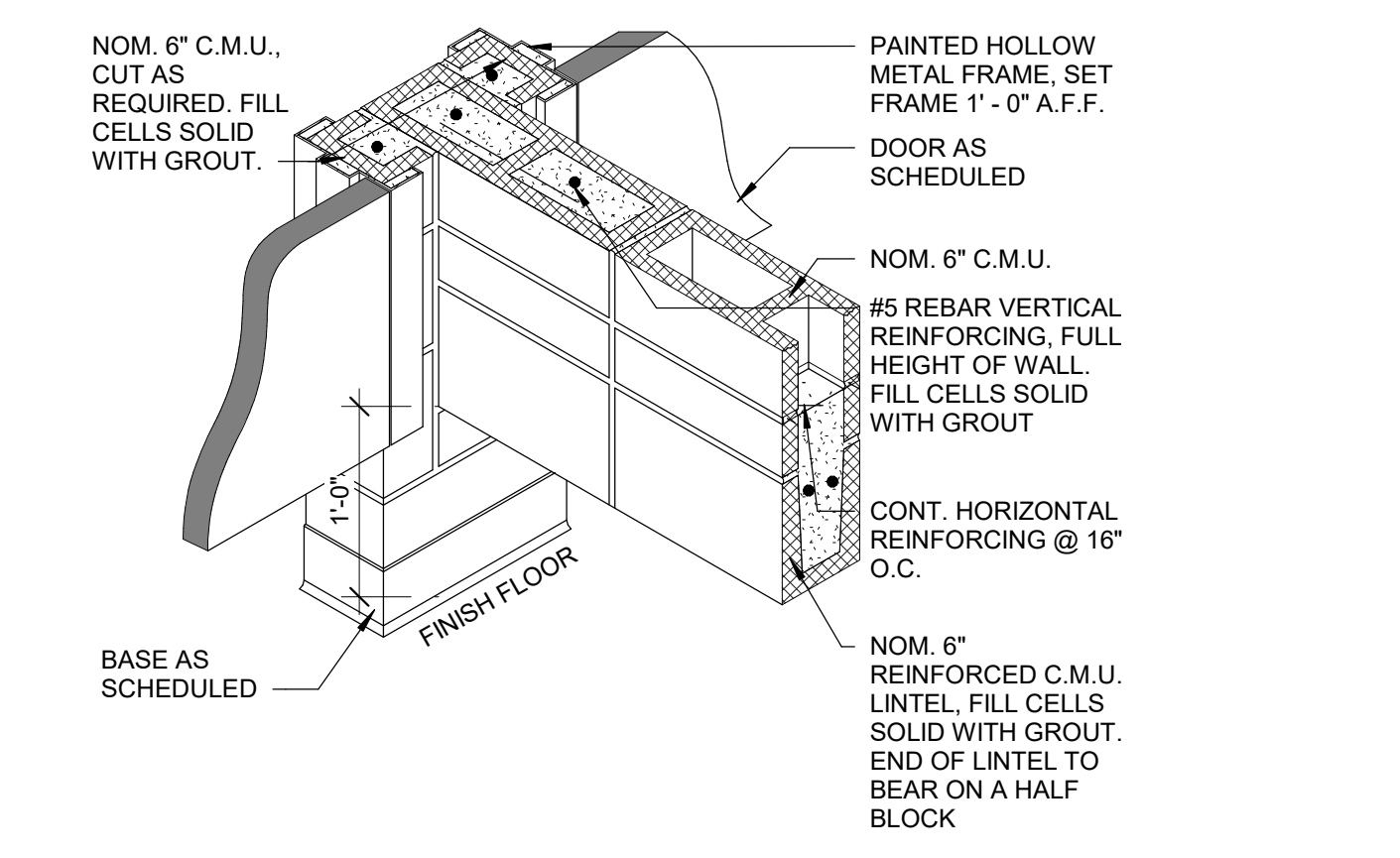
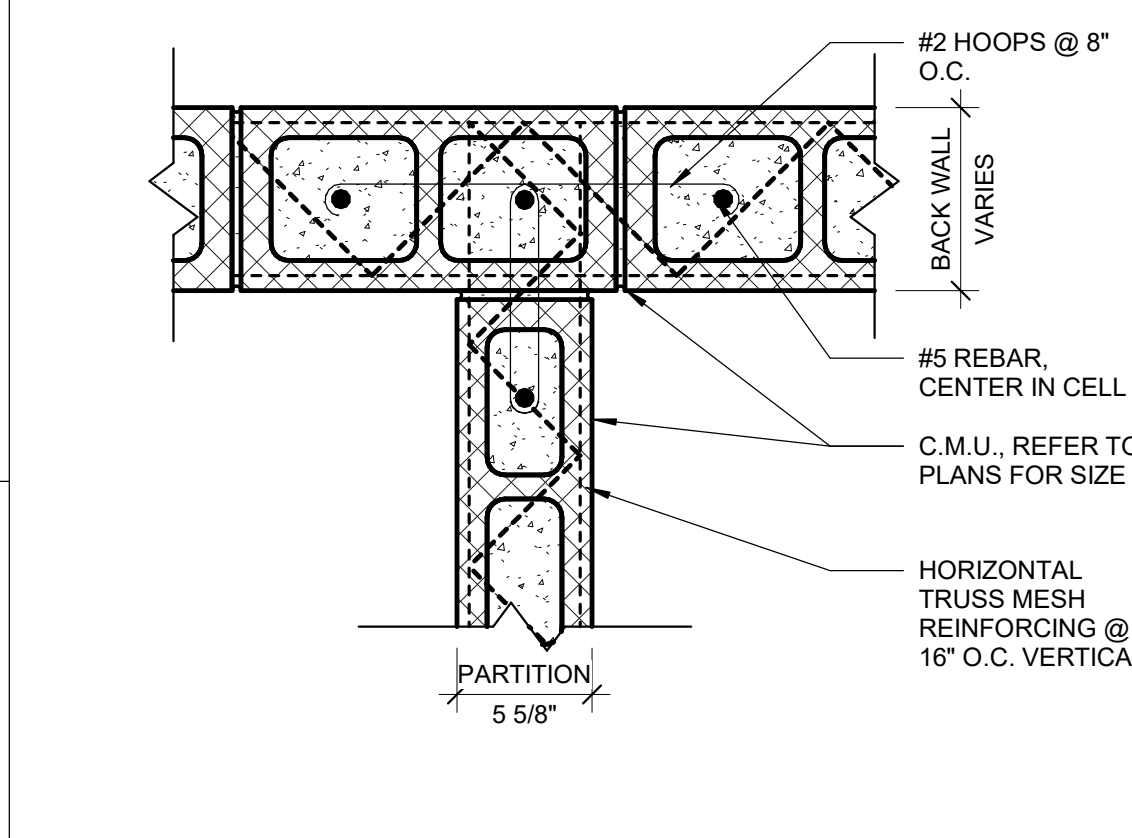
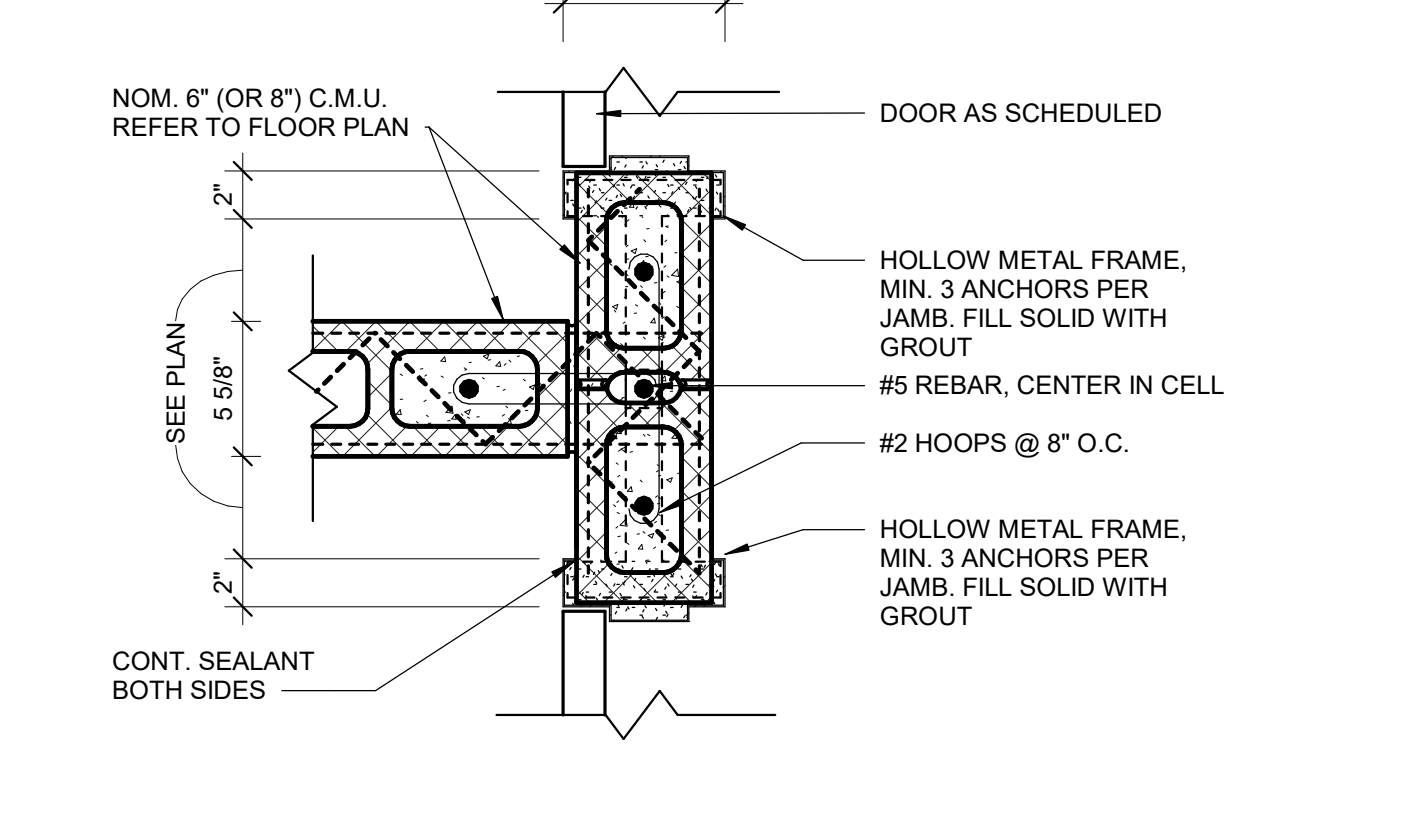
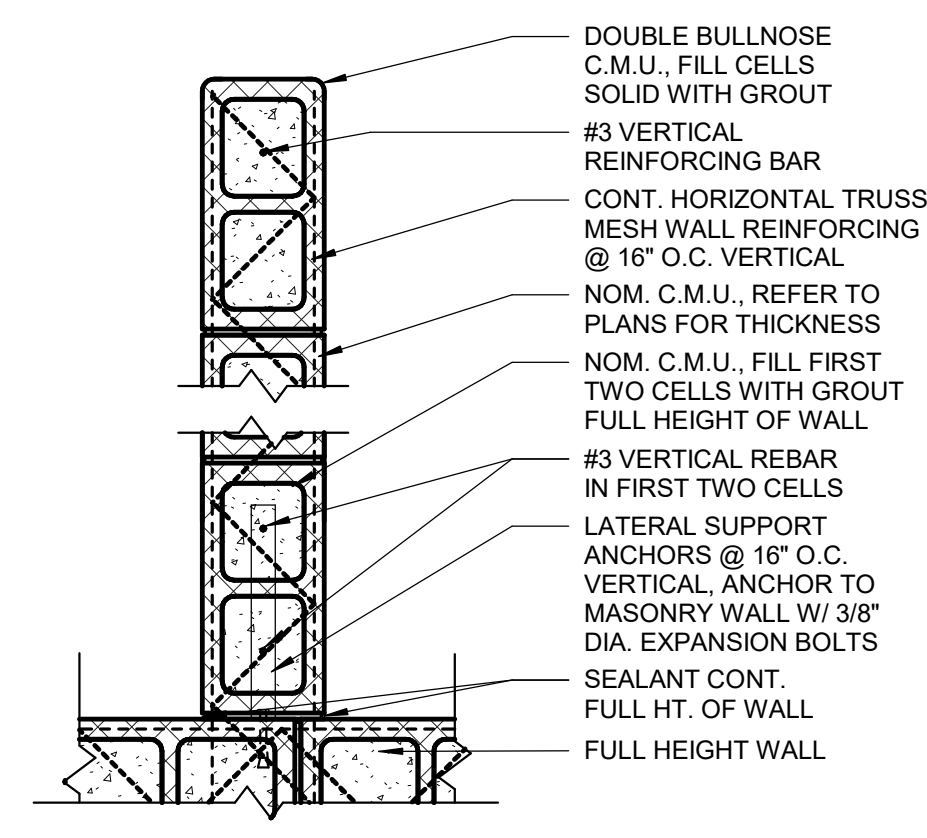
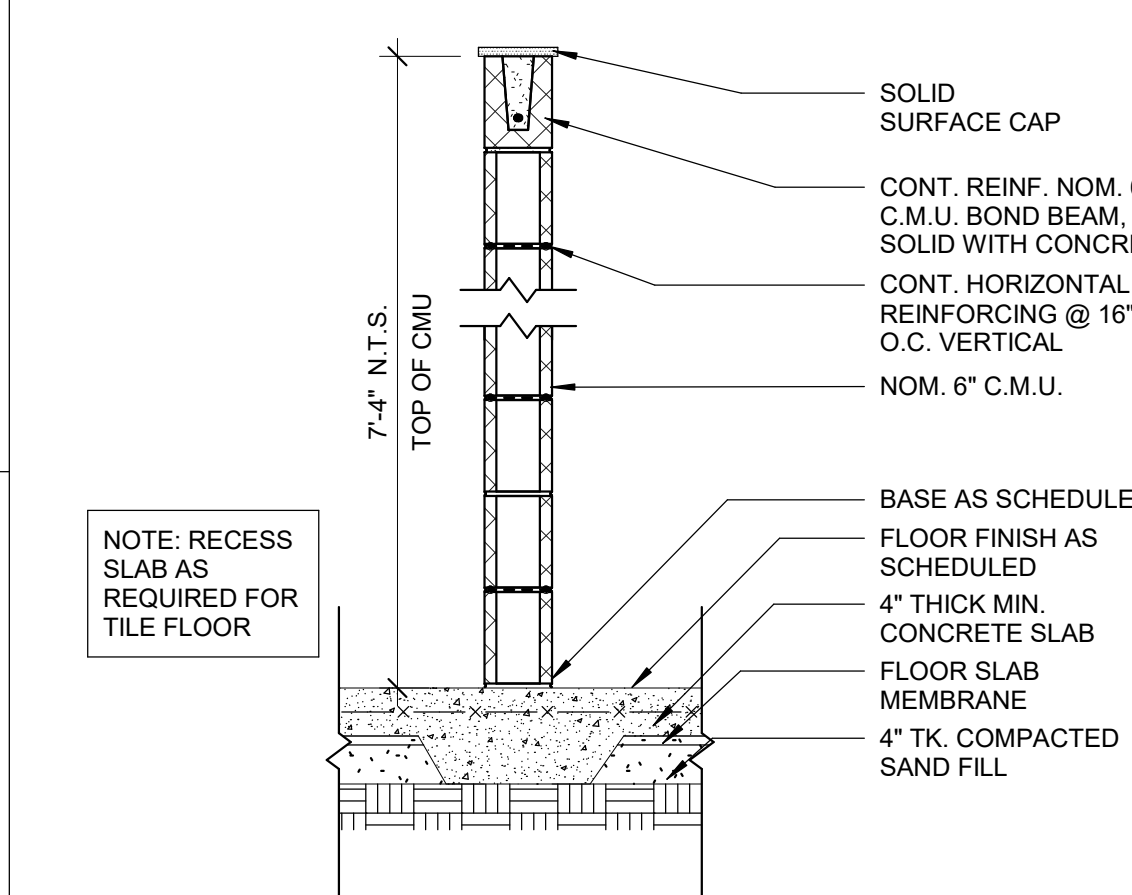
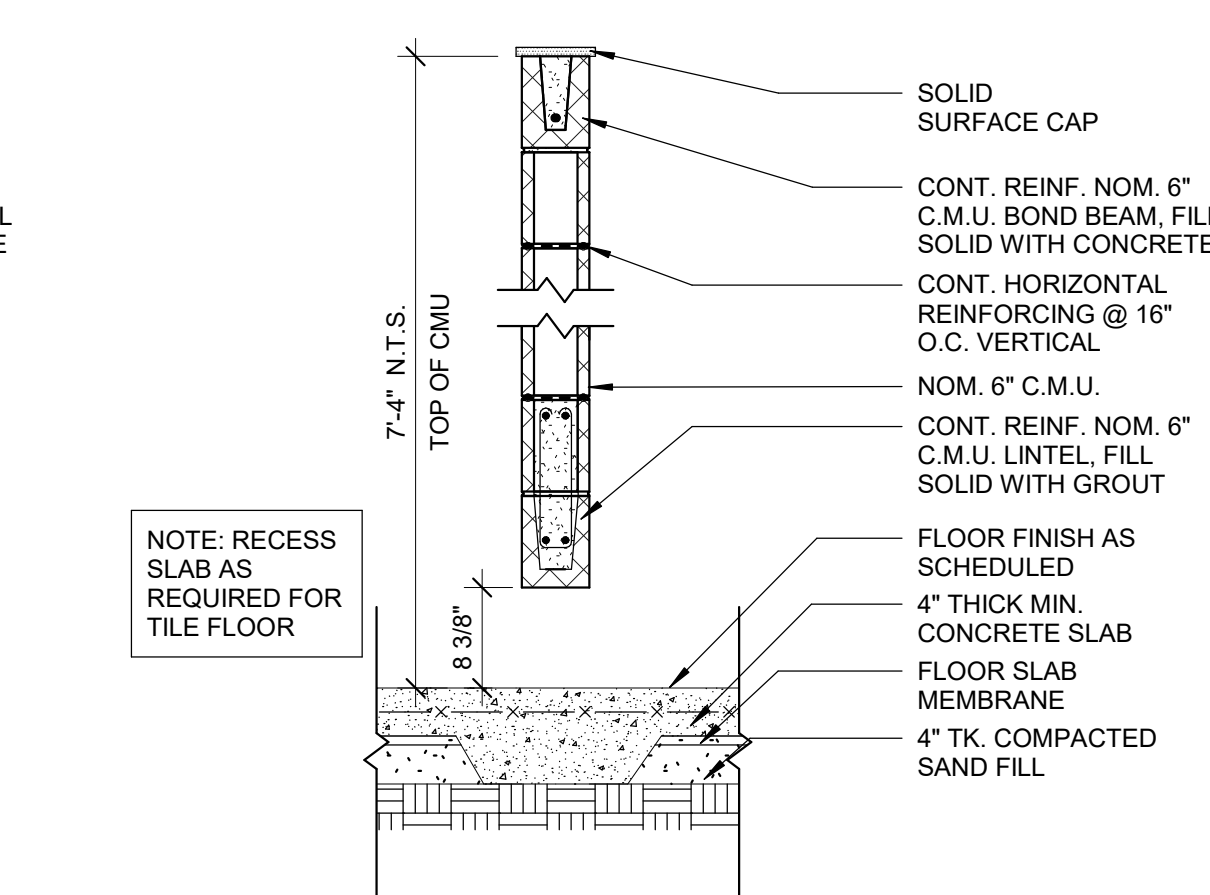
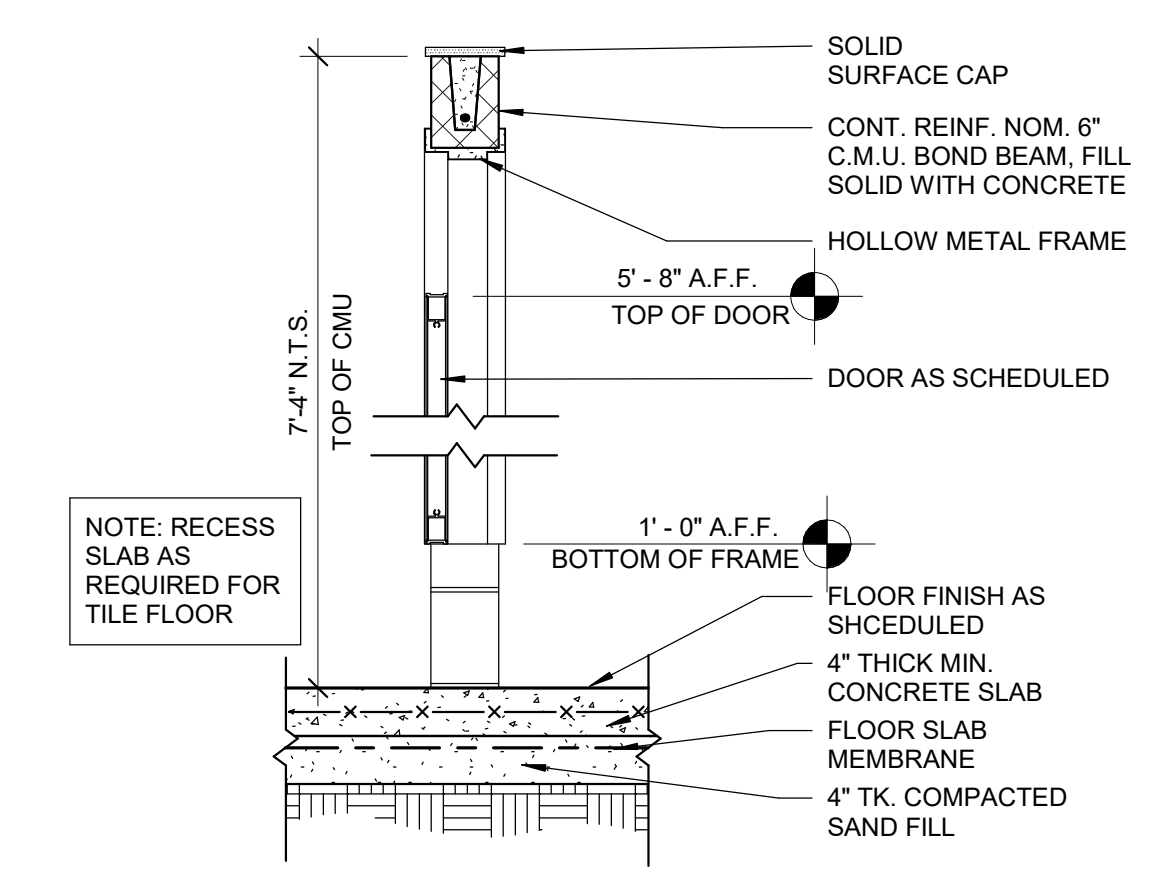
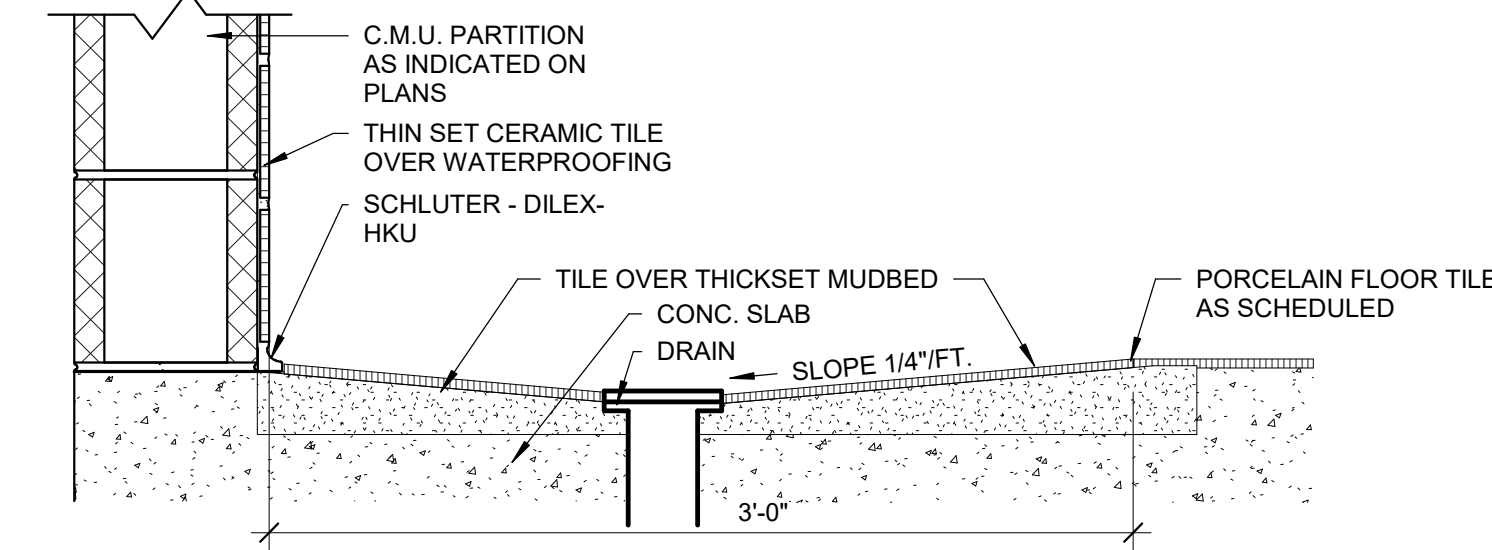
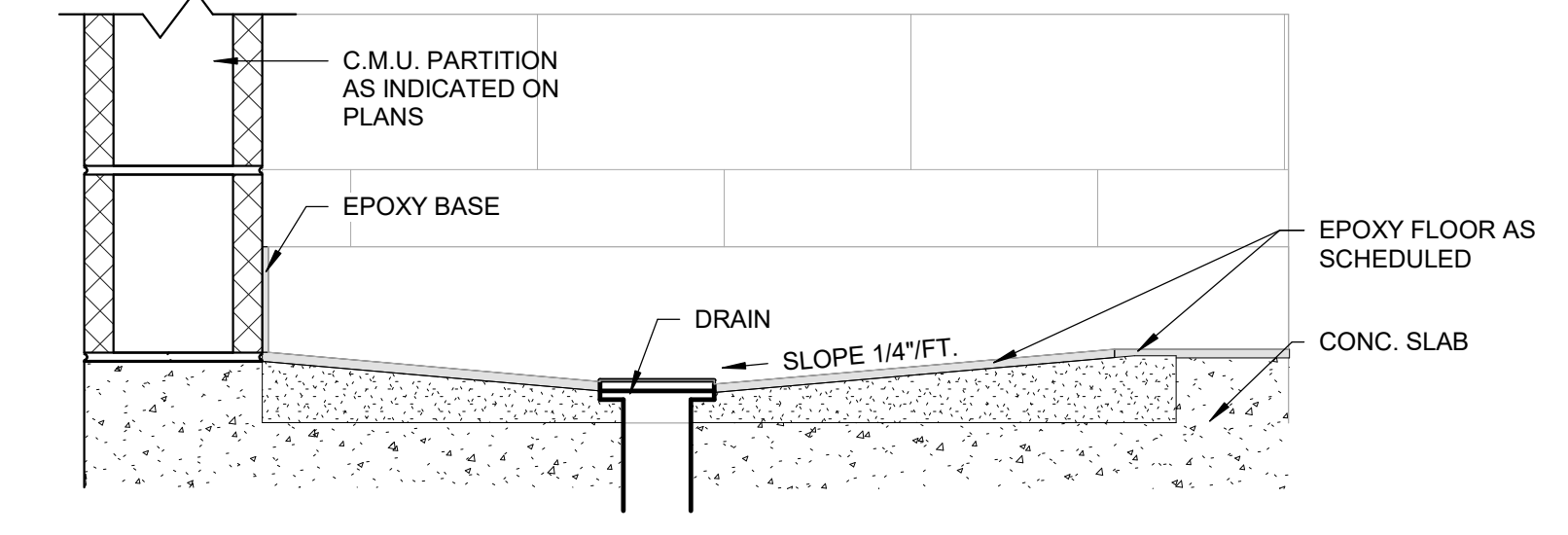
REVISIONS:

No.	Description	Date

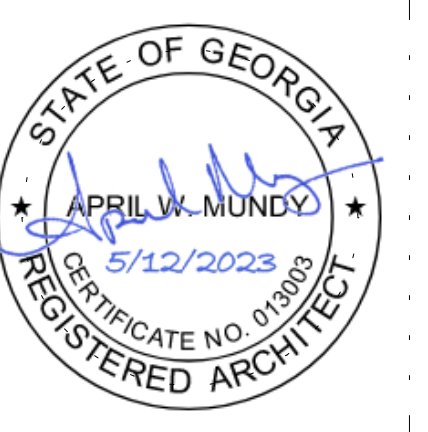
PROJECT: 5201-192070
DATE: 05/12/2023
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CHECKED BY: AWM

LOCKER &
TOILET STALL
DETAILS

A-540



BIN 360/5201-192070 SCCPSS NEW K-12 ATHLETICS ARCH_GrovesK12_Fieldhouse_NEW.rvt 5/29/2023 11:05:54 AM



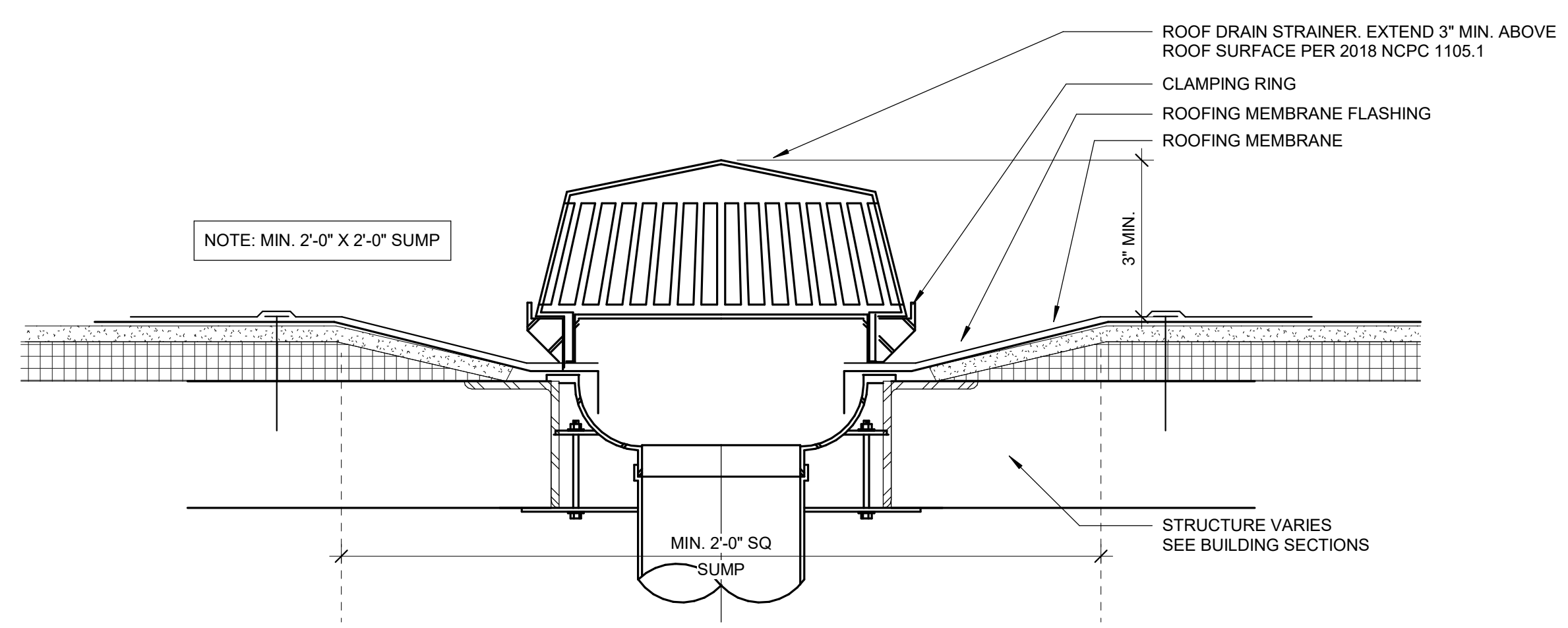
REVISIONS:

No.	Description	Date

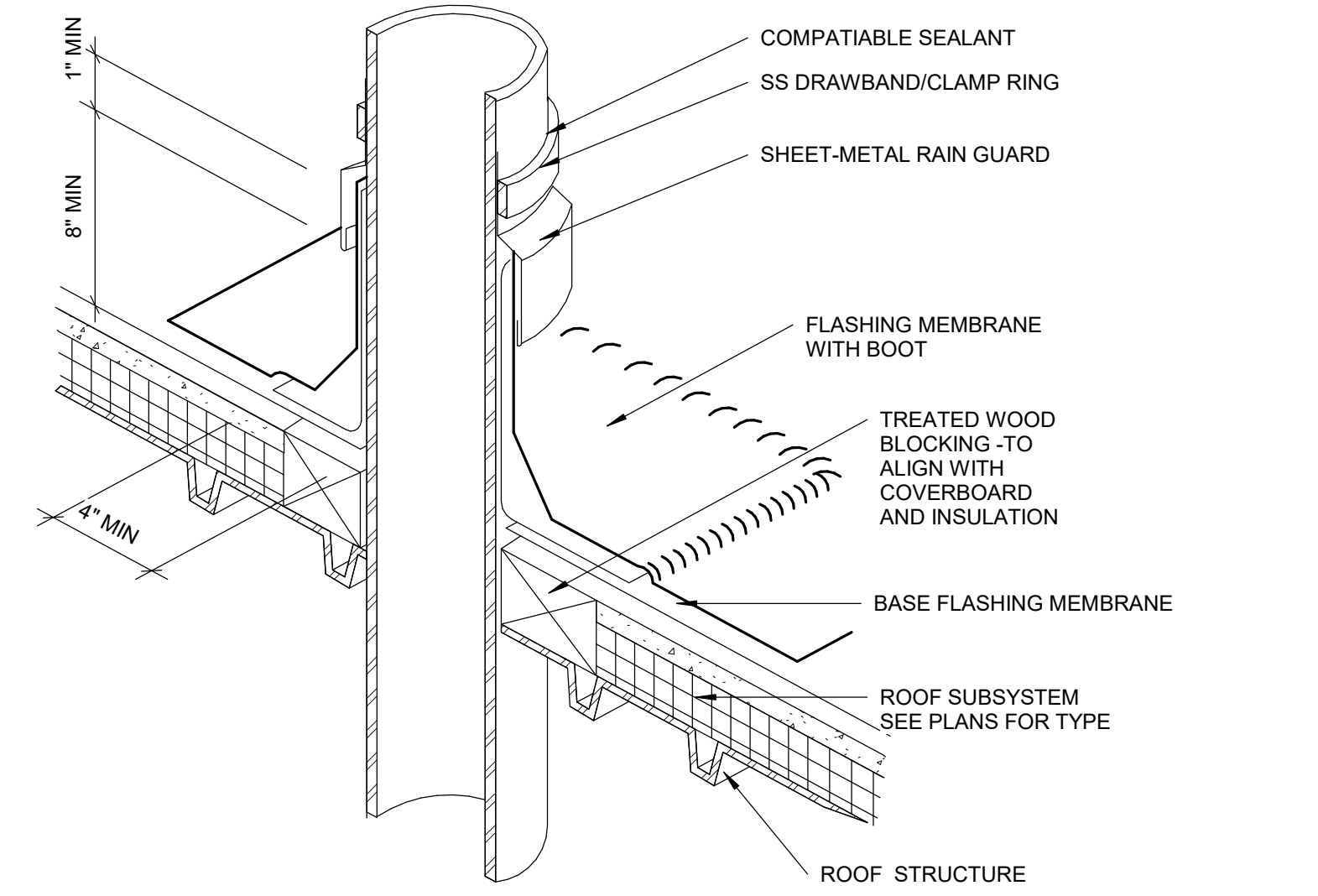
PROJECT: 5201-192070
 DATE: 05/12/2023
 DRAWN BY: Author
 CHECKED BY: AWM

ROOF DETAILS

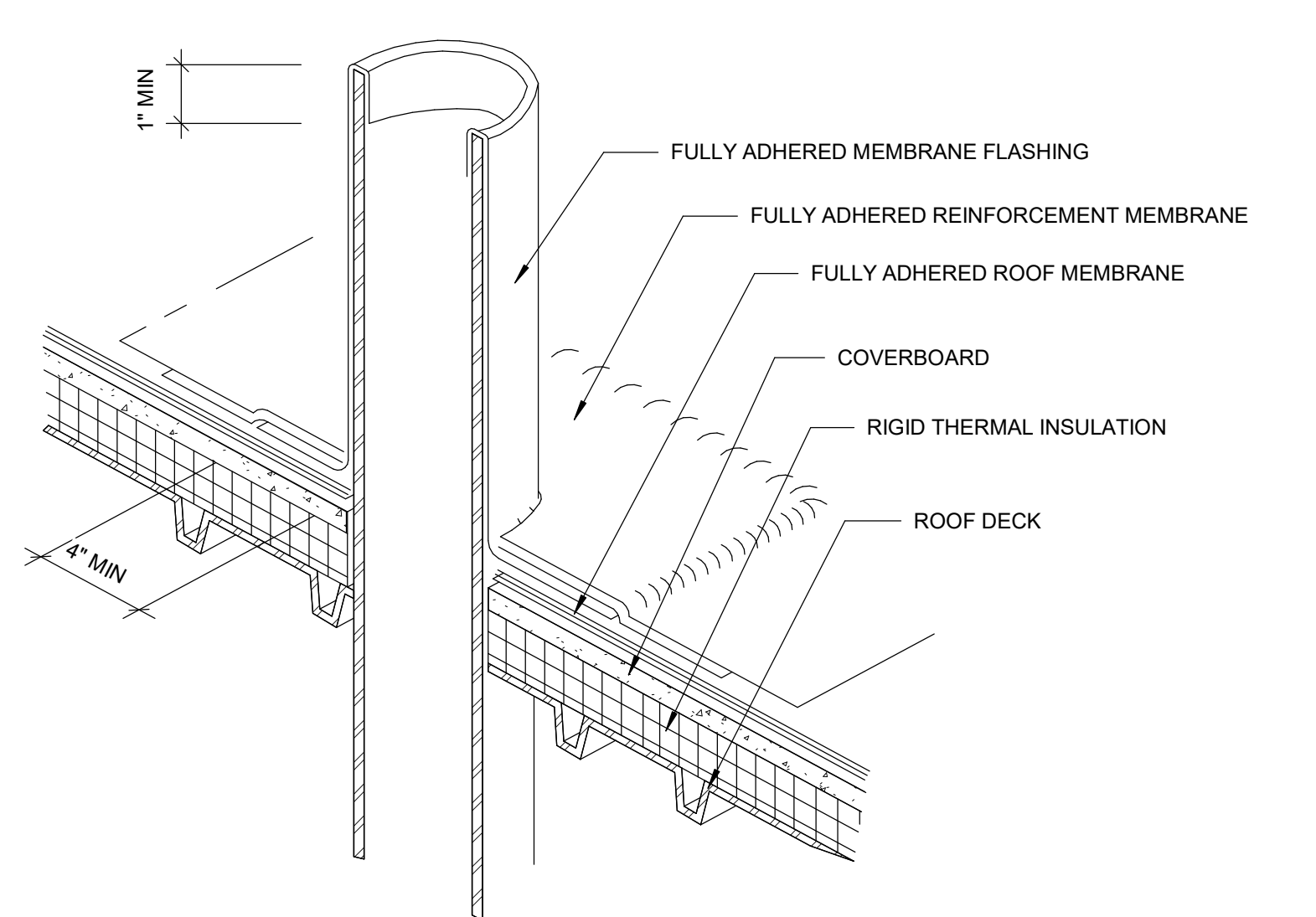
A-551



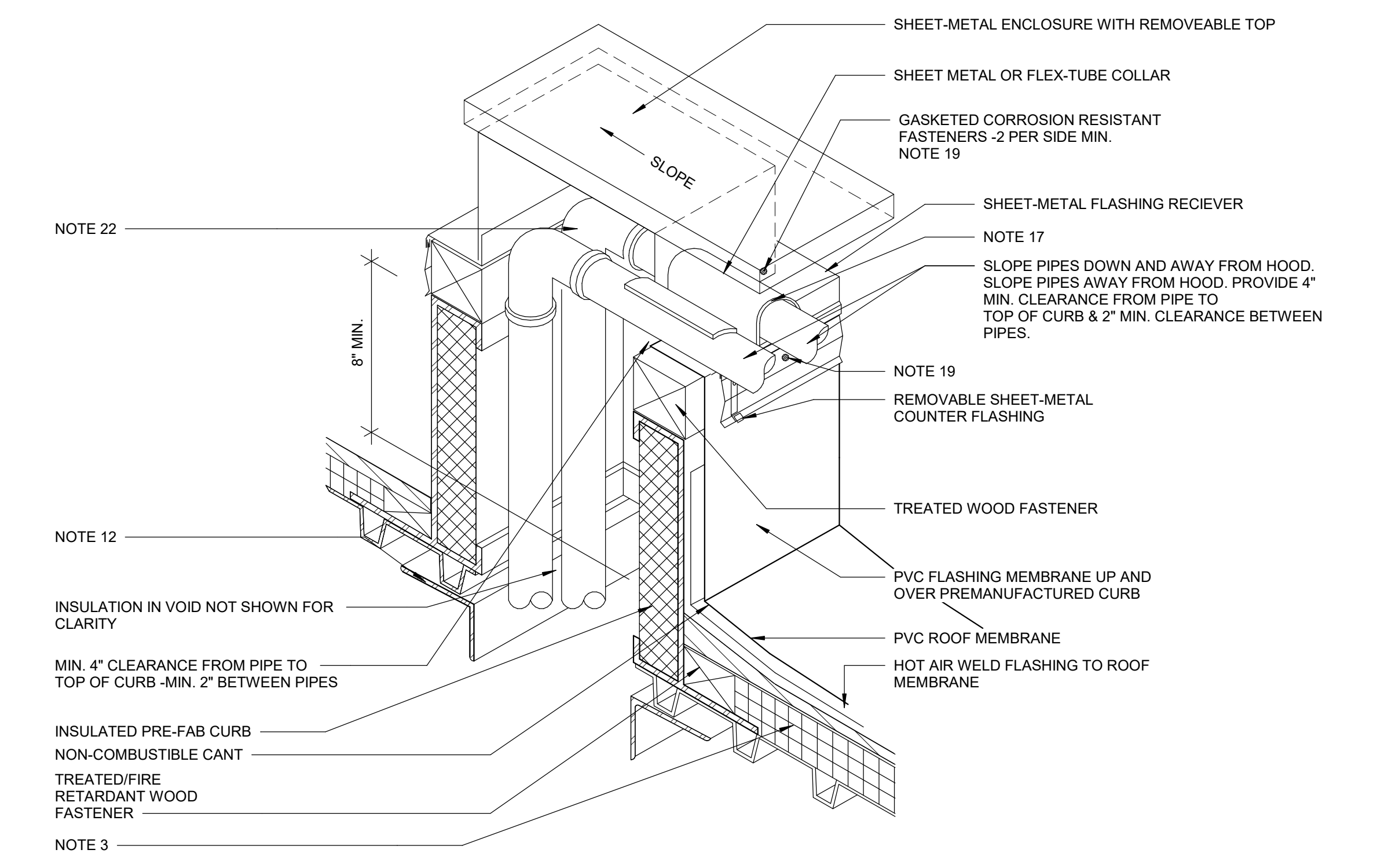
D1 ROOF DRAIN, TYP.
3' = 1'-0"



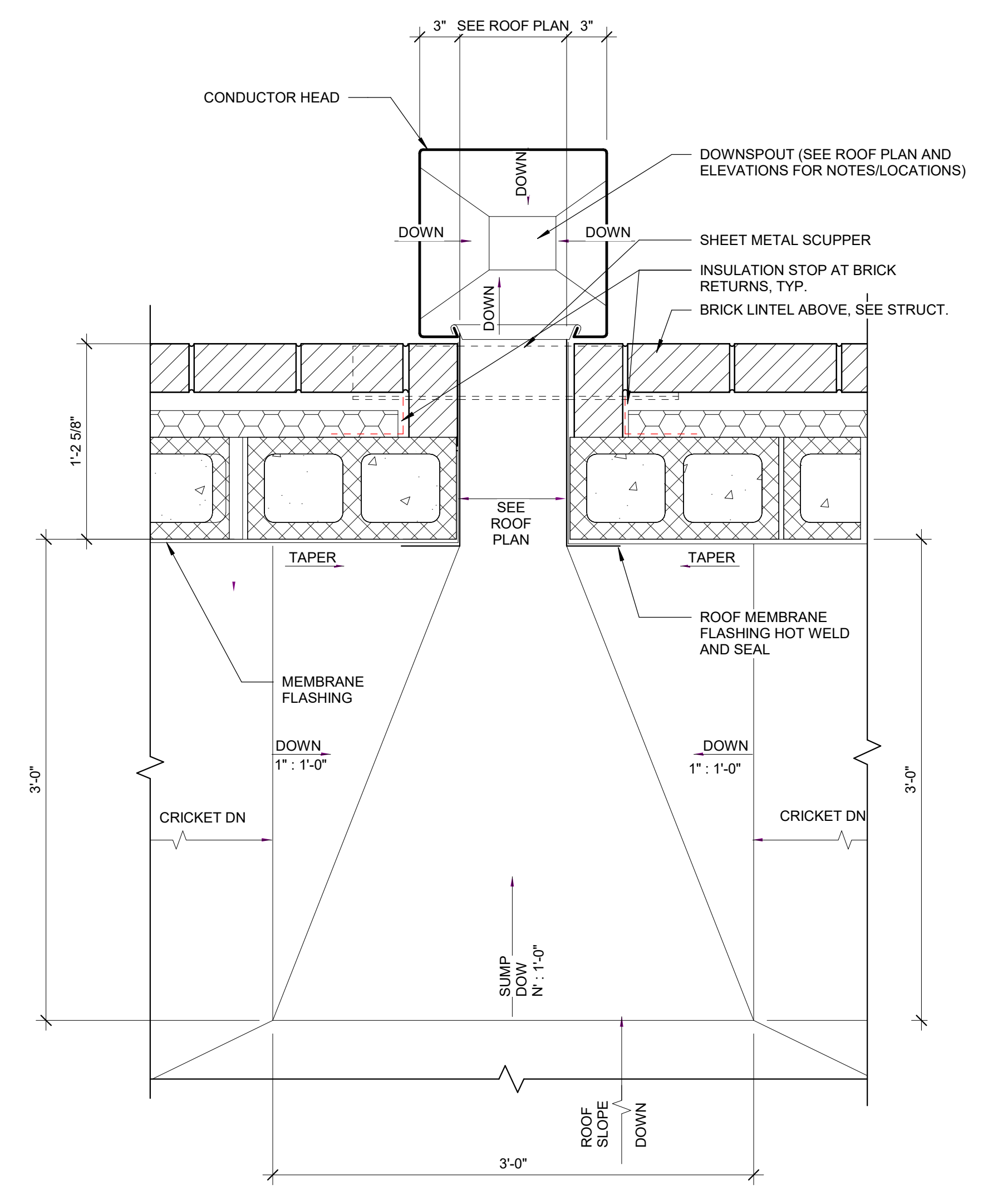
C1 PIPE PENETRATION, TYP.
12' = 1'-0"



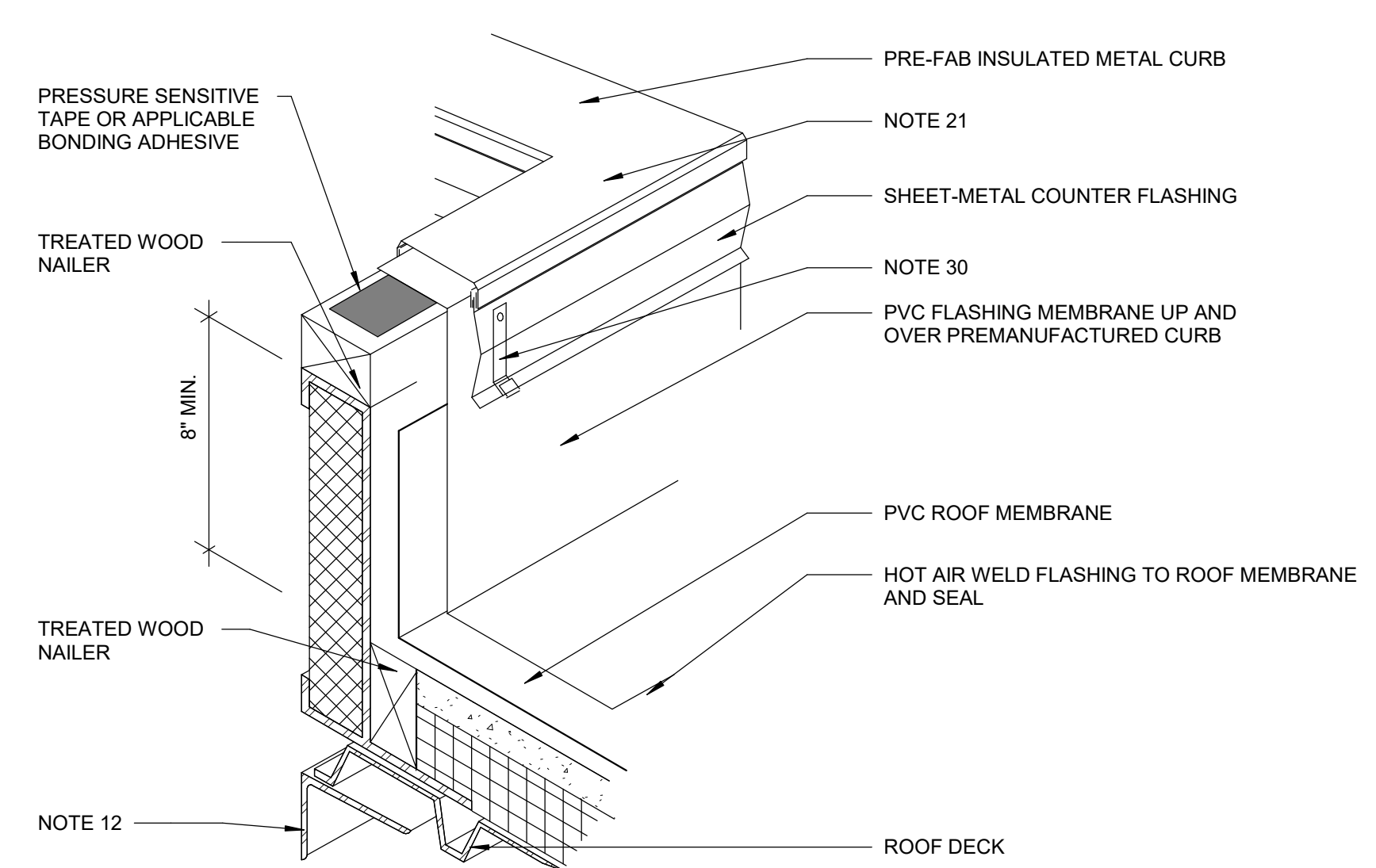
B1 VENT FLASHING, TYP.
12' = 1'-0"



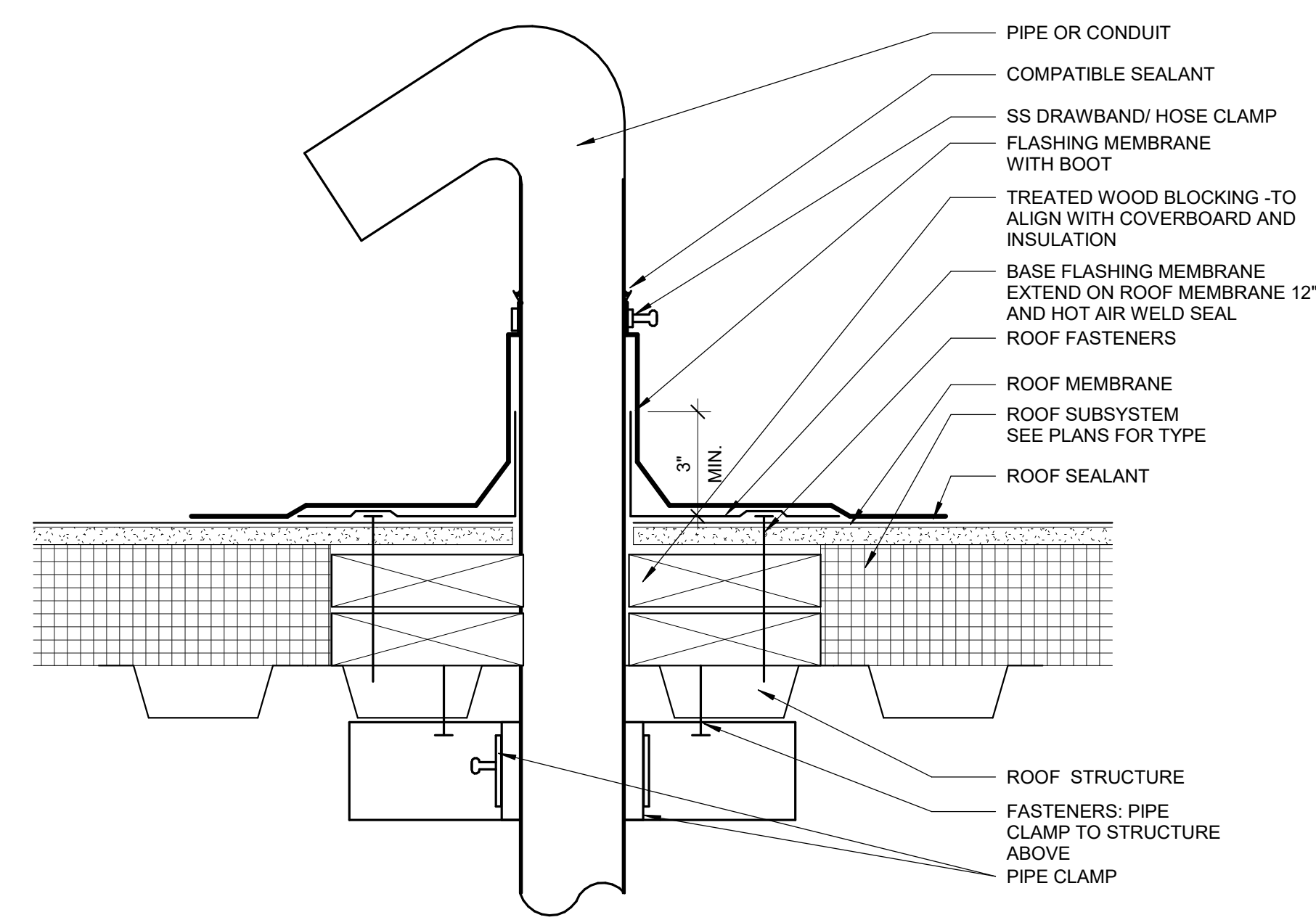
A1 MULTIPLE PIPE PENETRATION, TYP.
12' = 1'-0"



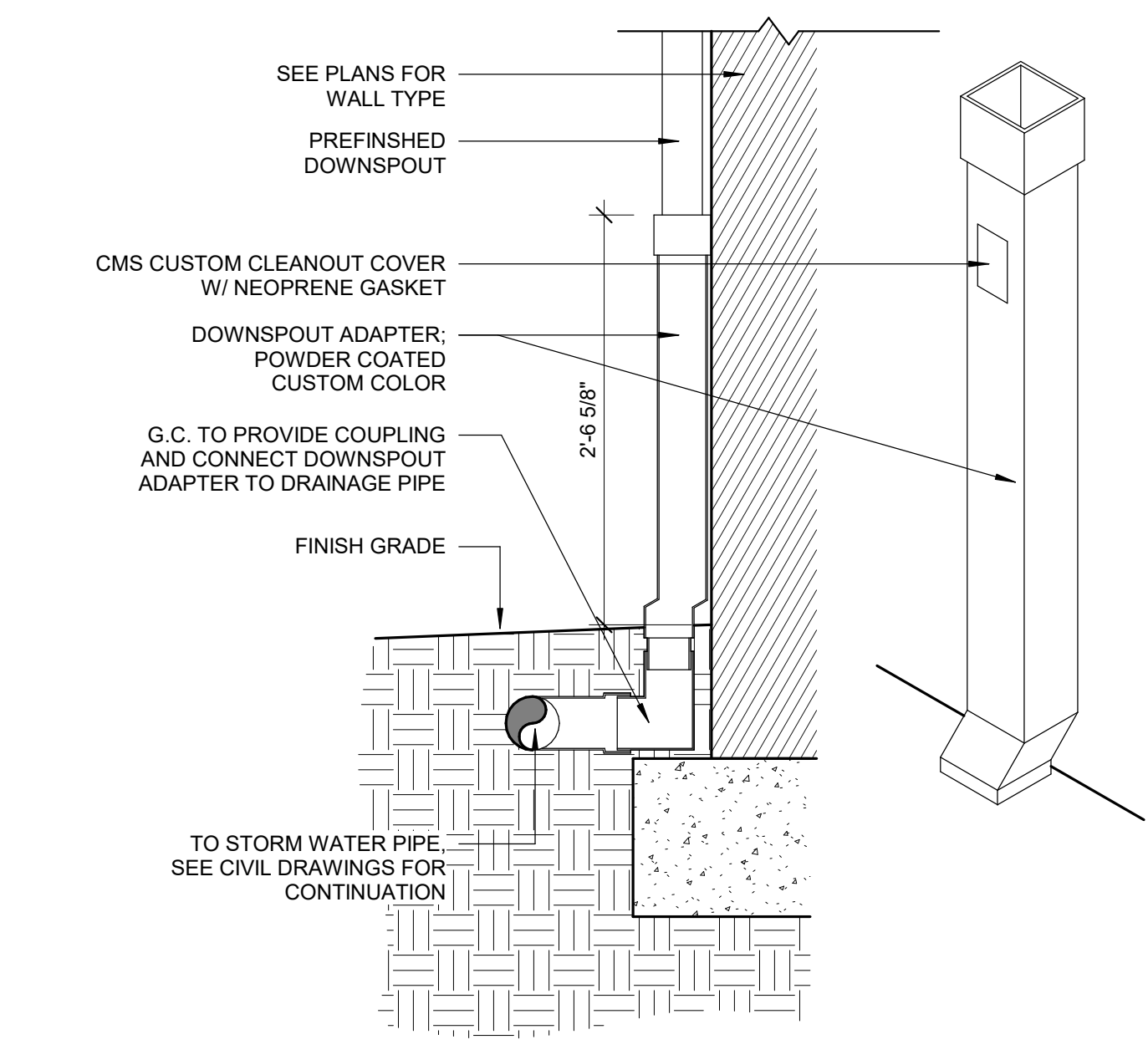
C3 PLAN DETAIL @ BRICK CAVITY WALL SCUPPER, TYP.
1 1/2' = 1'-0"



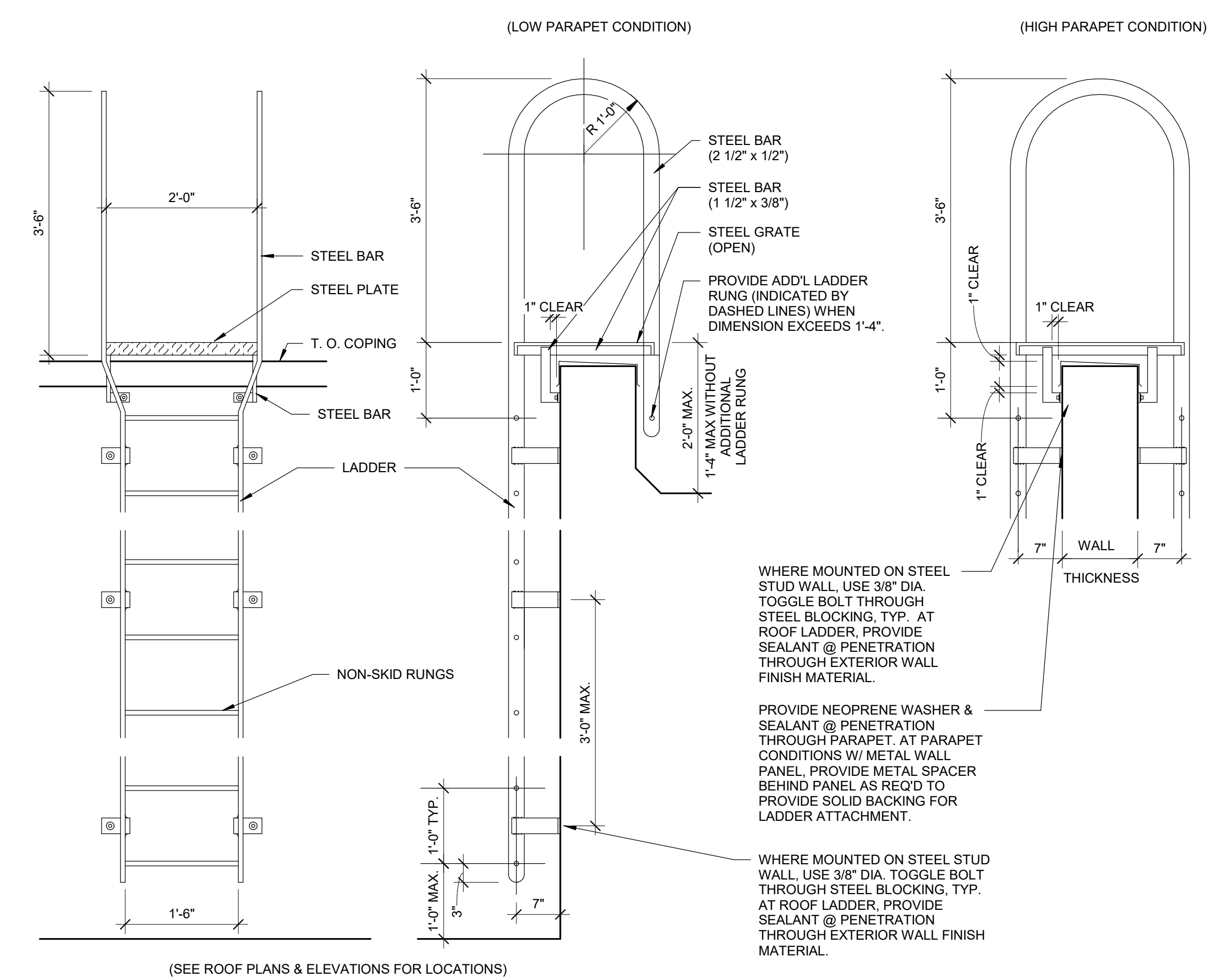
B3 EQUIPMENT CURB, TYP.
12' = 1'-0"



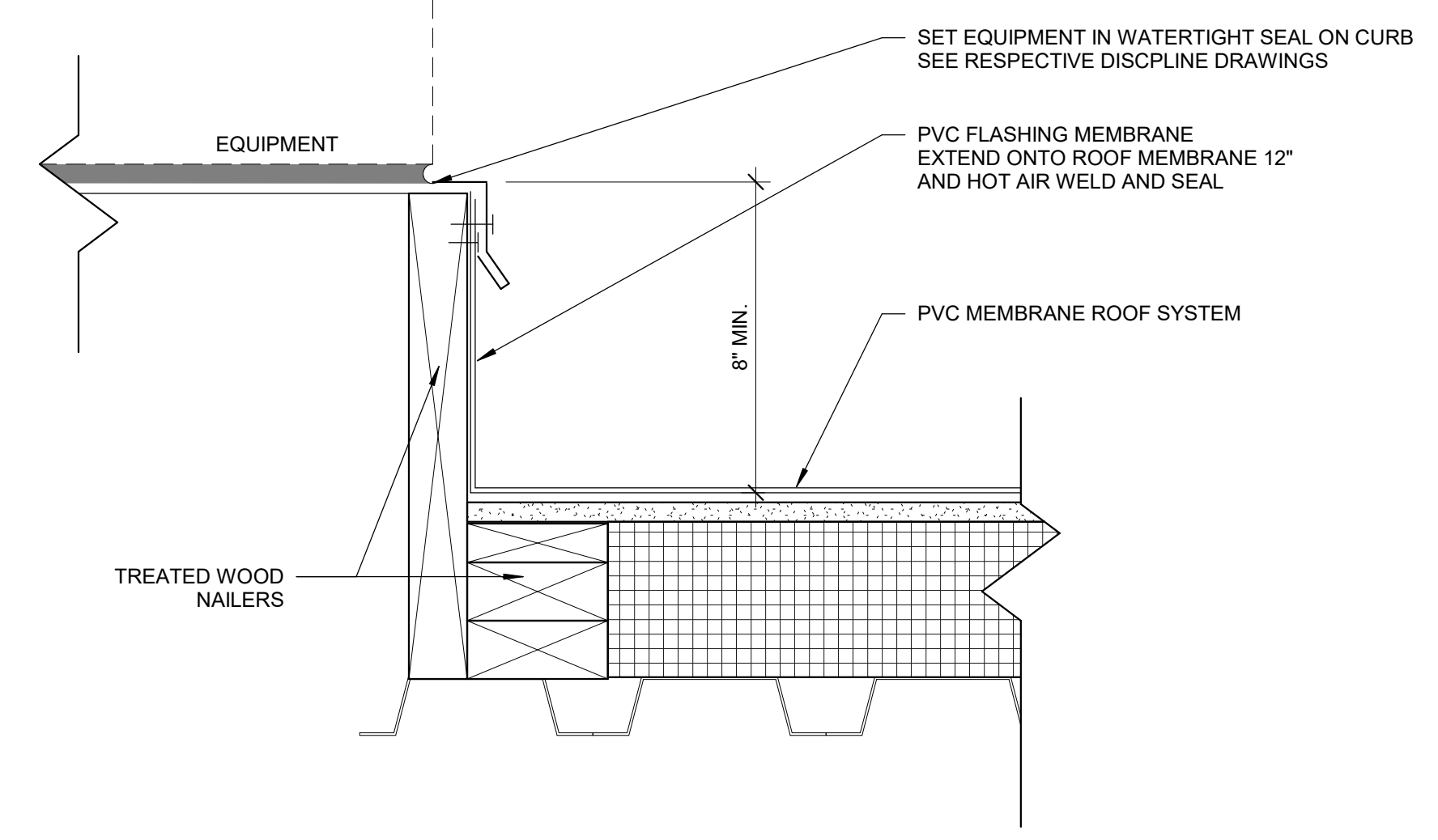
A3 ELECTRICAL GOOSENECK PENETRATION, TYP.
3' = 1'-0"



D5 DOWNSPOUT ADAPTER, TYP.
1' = 1'-0"



B5 EXTERIOR ROOF LADDER DETAILS
3/4' = 1'-0"



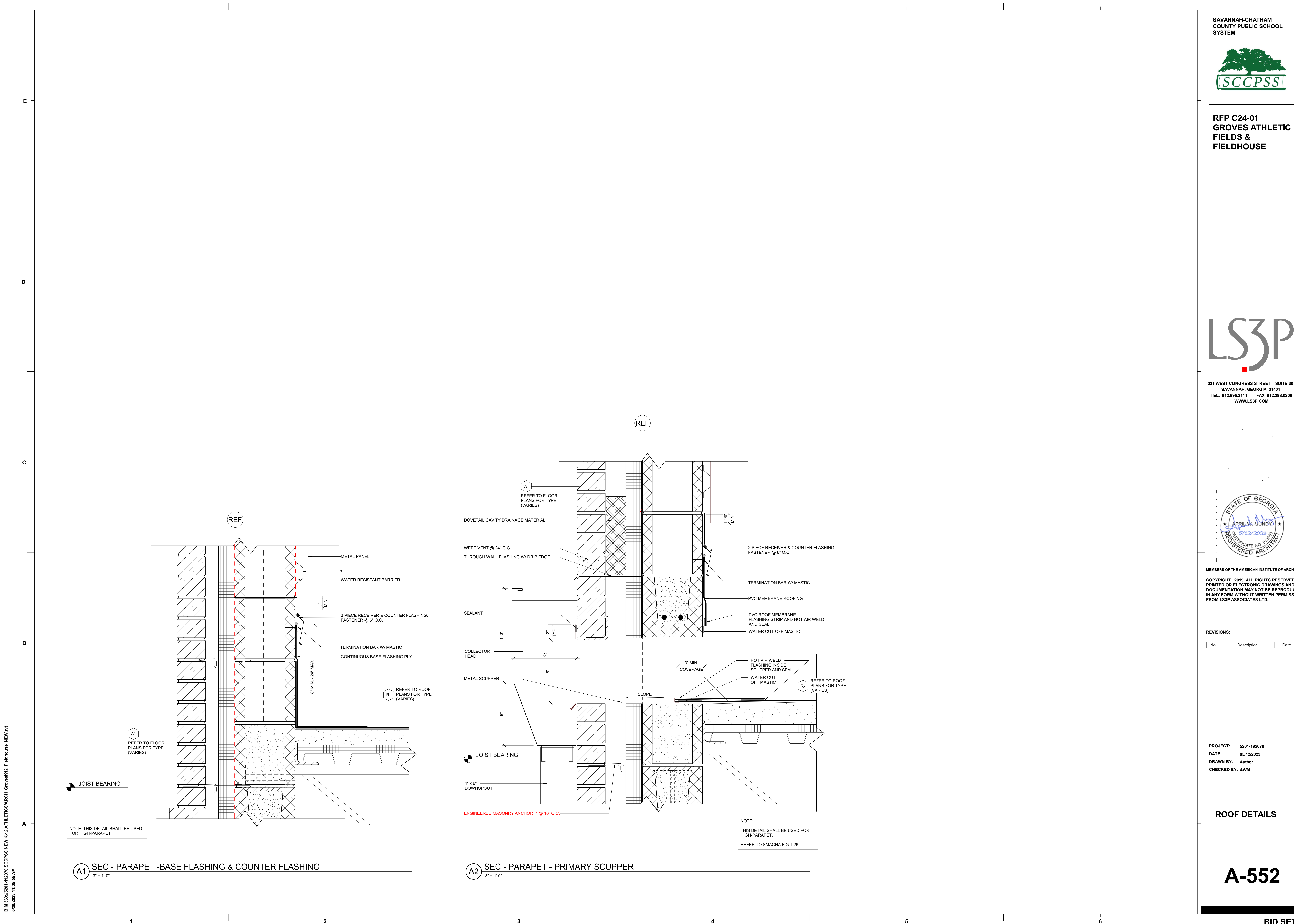
A5 ROOF EQUIPMENT CURB, TYP.
3' = 1'-0"

BIN 360/5201-192070-SCCPSS NEW K-12 ATHLETICSARCH_GrovesK12_Fieldhouse_NEW.rvt 5/29/2023 11:05:55 AM

REVISIONS:

No.	Description	Date

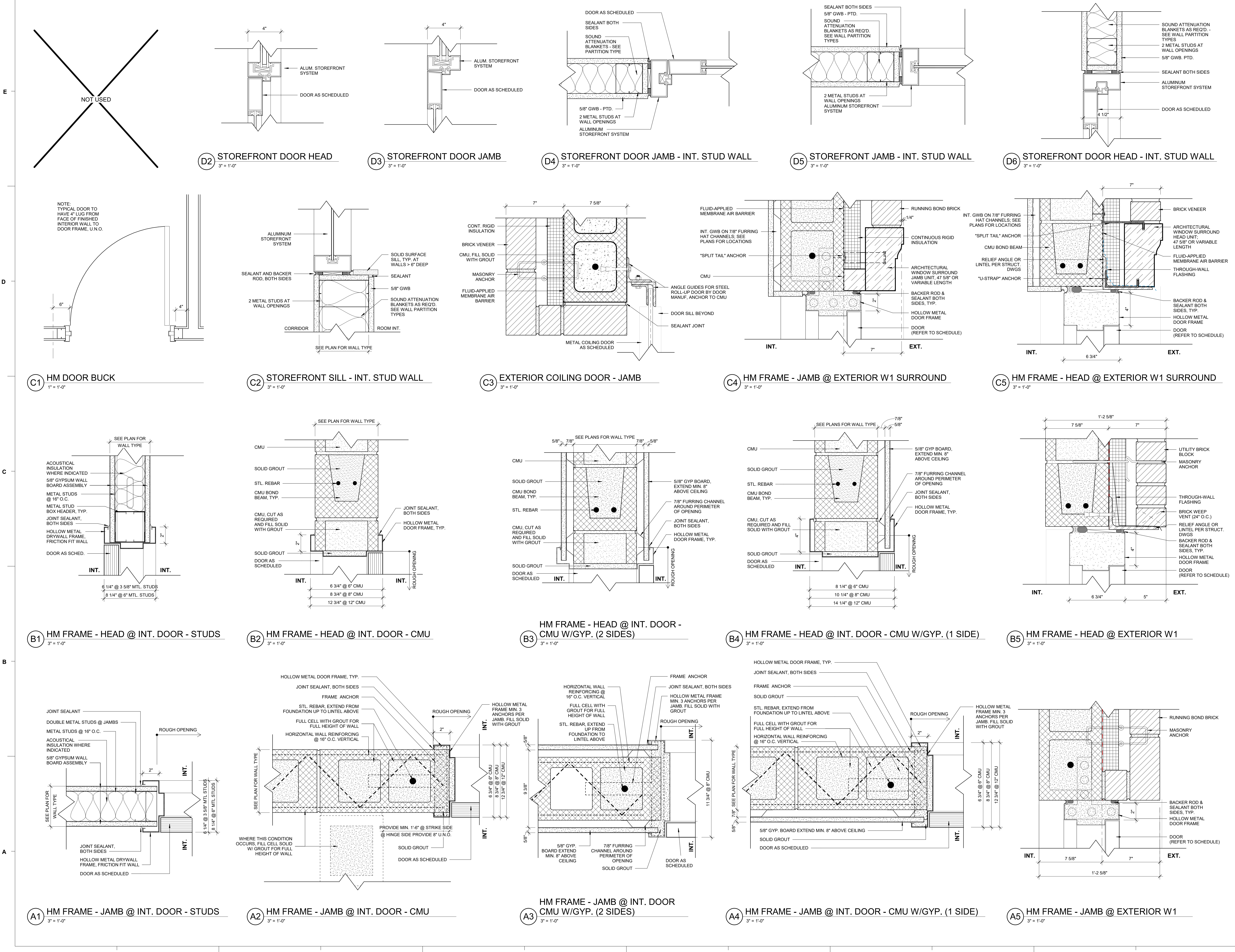
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A1 SEC - PARAPET -BASE FLASHING & COUNTER FLASHING
3'-1'-0"

A2 SEC - PARAPET - PRIMARY SCUPPER
3'-1'-0"

BIM 360://5201-192070/SCCPSS NEW K-12 ATHLETICS ARCH_GrovesK12_Fieldhouse_NEW.rvt
 5/29/2023 11:05:55 AM



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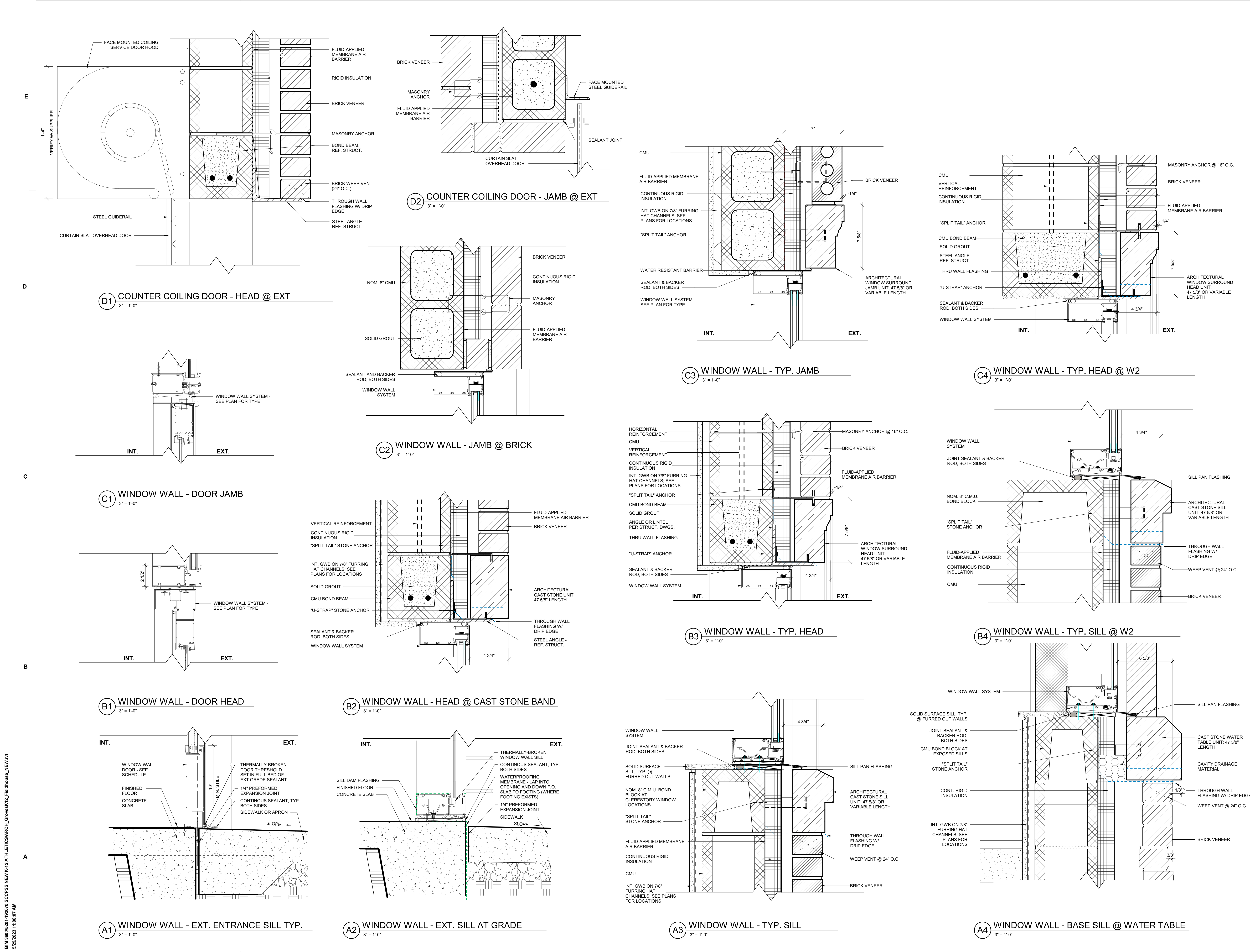
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PROJECT: 5201-192070
DATE: 05/12/2023
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HEAD, JAMB, AND SILL DETAILS - WINDOW WALL

A-609



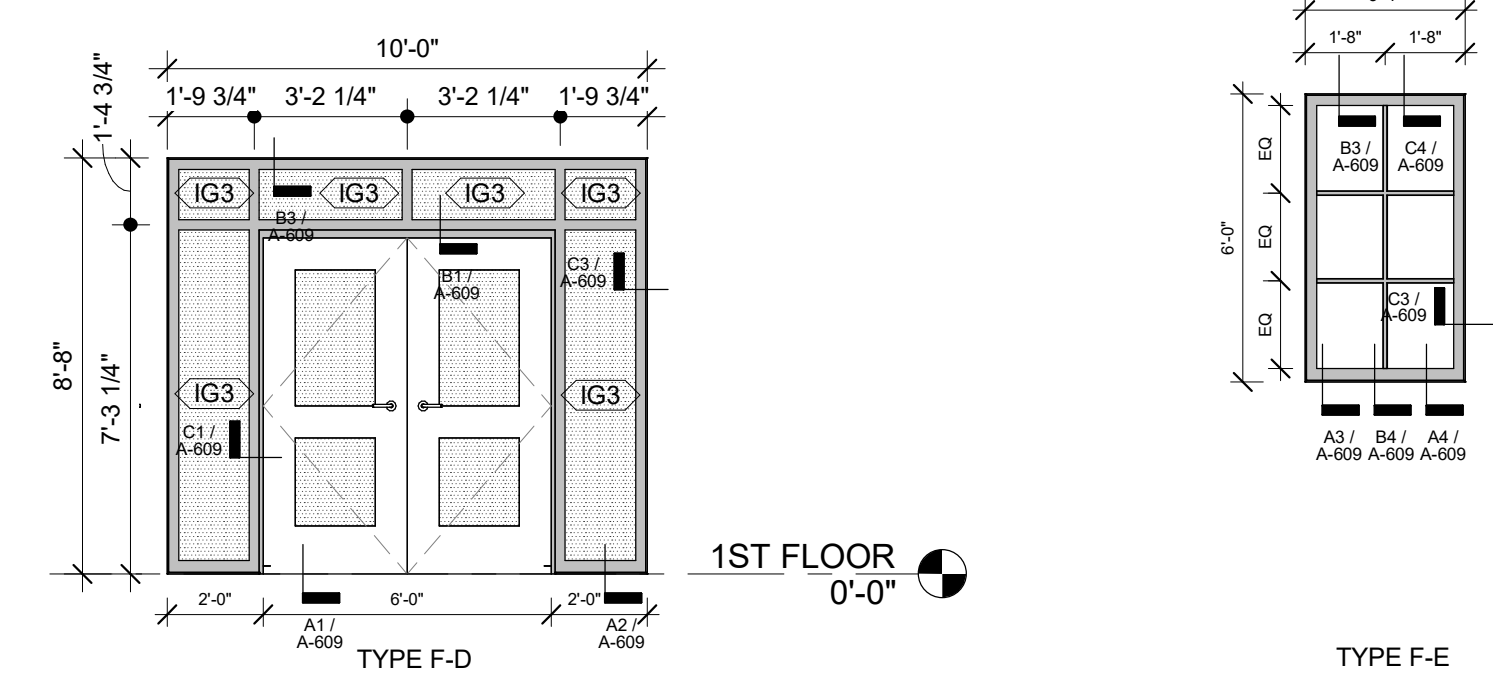
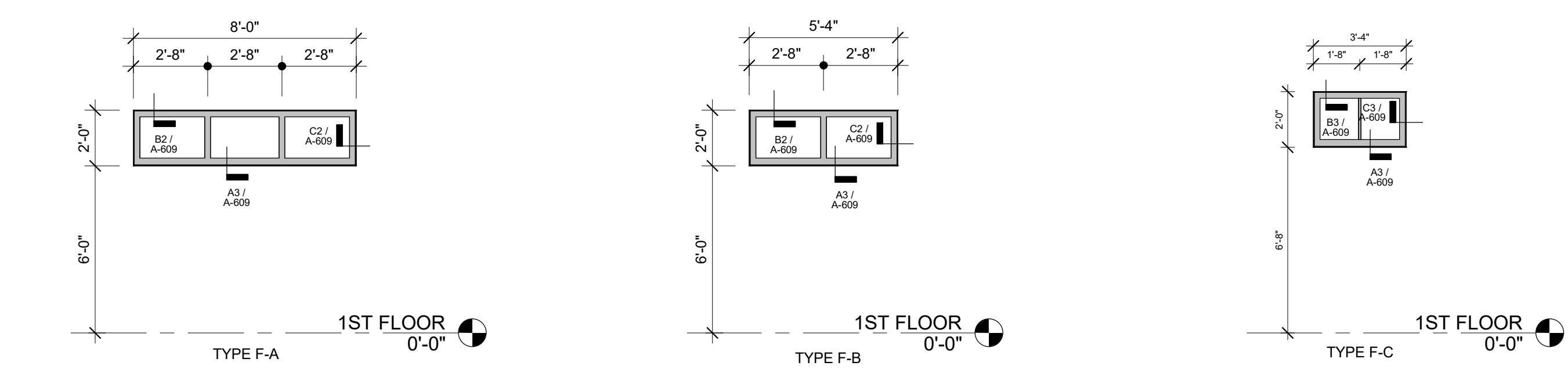
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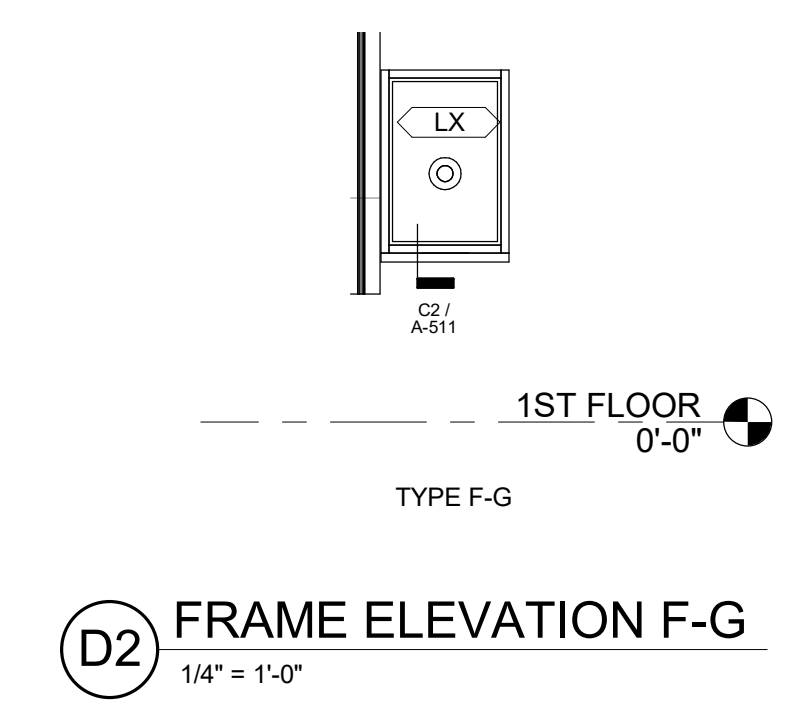
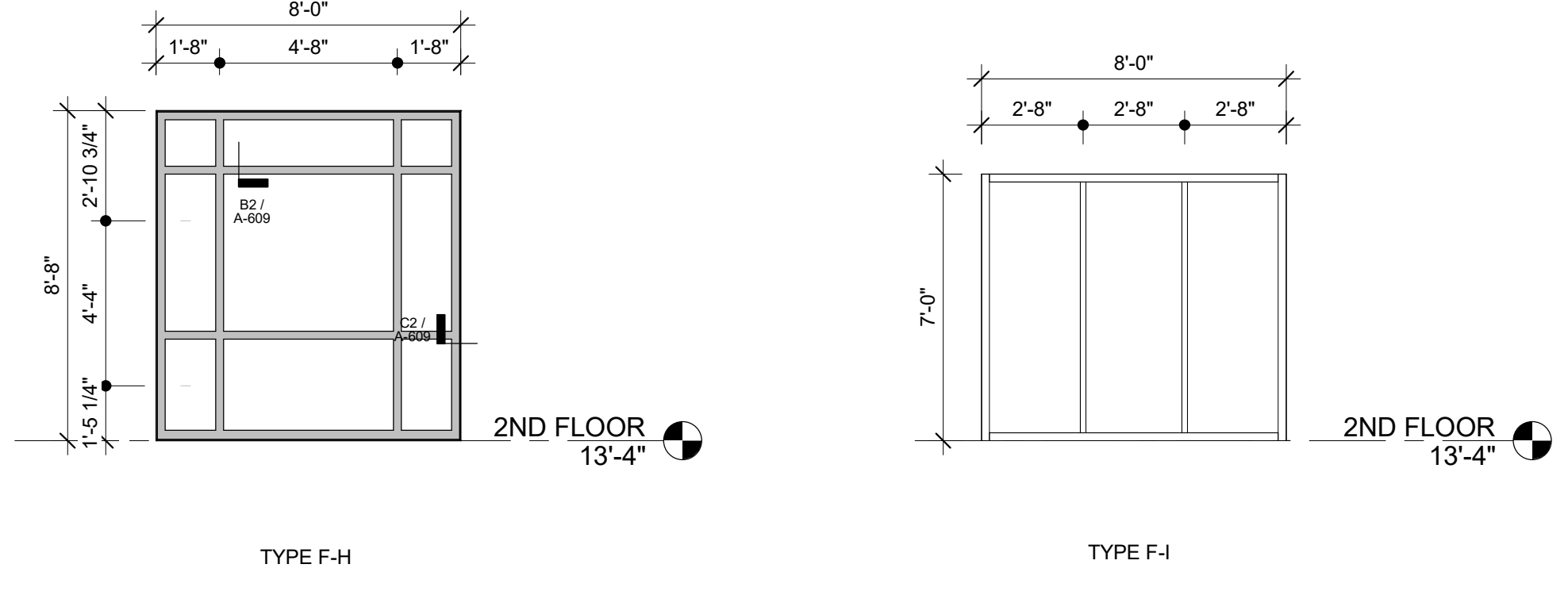
GLAZING TYPES LEGEND

TYPE	DESCRIPTION
IG1	LOW-E COATED, CLEAR INSULATING TEMPERED GLASS 1 5/16" THICKNESS
IG2	LOW-E COATED, CLEAR INSULATING TEMPERED GLASS 1" THICKNESS
IG3	LOW-E COATED, CLR INSUL. TEMP. GLASS W/ FROSTED FILM 1 5/16" THICKNESS
MP	METAL SPANDREL PANEL
RG	FIRE-RATED GLASS
LX	LEXAN BY TICKET WINDOW MANUFACTURER 3/4" THICKNESS
G1	TEMPERED CLEAR FLOAT GLASS 6MM MIN. THICKNESS
G2	TEMPERED CLEAR FLOAT GLASS W/COLORED FILM 6MM MIN. THICKNESS, REF. ELEVATIONS FOR COLORS

E



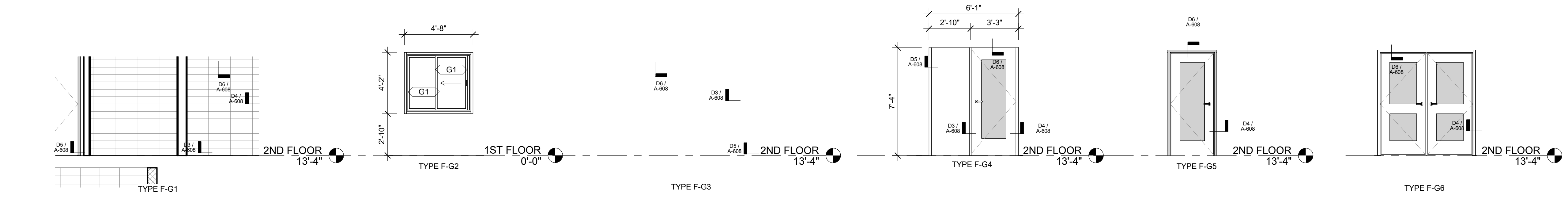
D



(D2) FRAME ELEVATION F-G
1/4" = 1'-0"

NOTE: ALL WINDOW WALL GLAZING TO BE TYPE IG1, UNLESS NOTED OTHERWISE.

C



(C1) INTERIOR STOREFRONT ELEVATION LEGEND
1/4" = 1'-0"

NOTE: ALL STOREFRONT GLAZING TO BE TYPE G1, UNLESS NOTED OTHERWISE.

B

A



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**FRAME
ELEVATIONS**

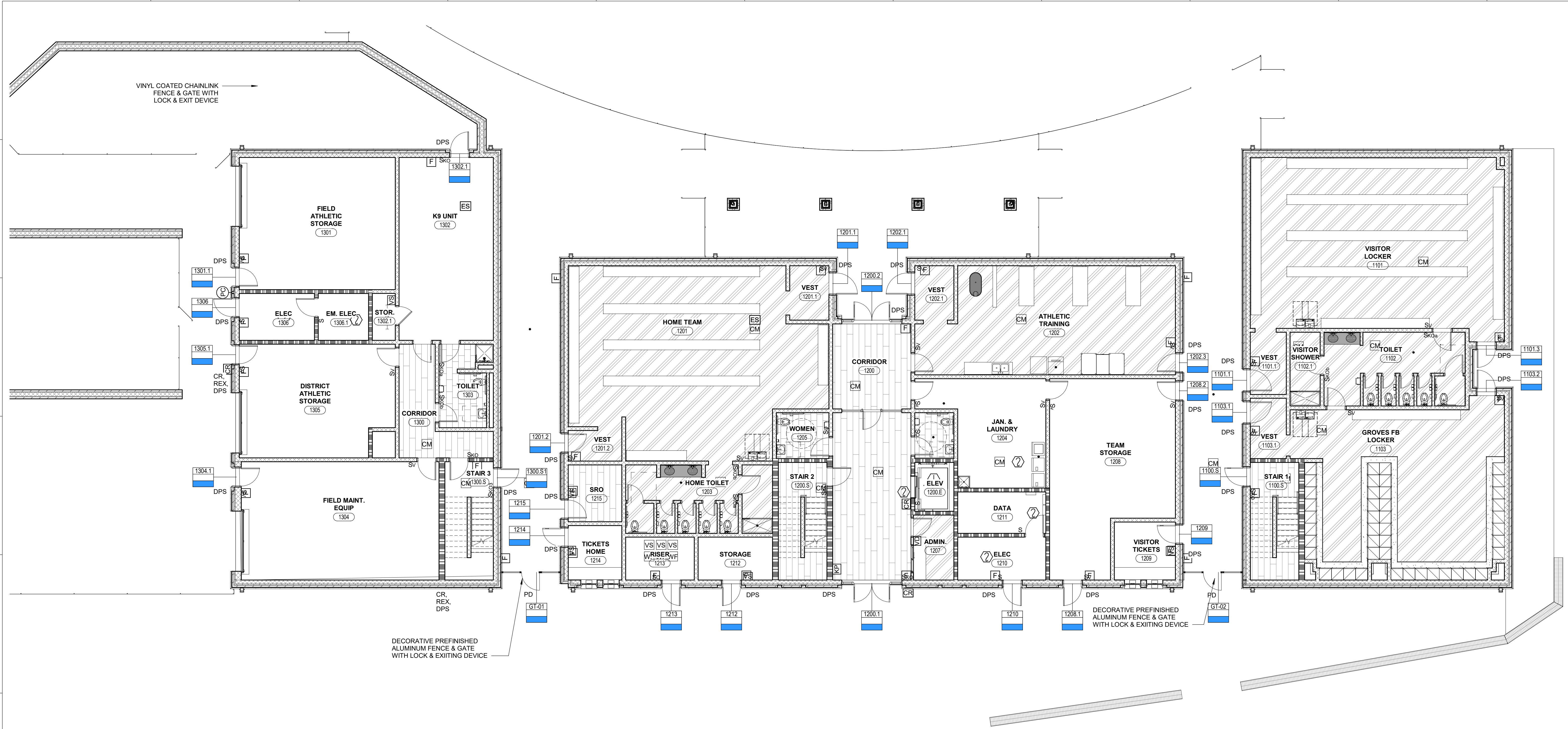
A-610

REVISIONS:

No.	Description	Date
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PROJECT: 5201-192070
 DATE: 05/12/2023
 DRAWN BY: CA
 CHECKED BY: AWM

DOOR & SECURITY HARDWARE PLAN - 1ST FLOOR
A-611



C1 1ST FLOOR - HARDWARE COORDINATION PLAN
 1/8" = 1'-0"

ACCESS CONTROL PLAN LEGEND

- AC ACCESS CONTROL
- DPS DOOR POSITION SWITCH
- CR CARD READER
- HO HOLD OPEN
- EA EXIT ALARM
- PD PANIC DEVICE
- REX REQUEST TO EXIT

* SEE DOOR SCHEDULE AND HARDWARE SETS FOR ADDITIONAL DOOR AND ACCESS CONTROL INFORMATION.

SECURITY DOOR HARDWARE LEGEND (NORMAL OPERATING HOURS)

- EXTERIOR ACCESS**
 EXTERIOR ALWAYS LOCKED UNLESS ELECTRONICALLY RELEASED (SEE SET)
 INTERIOR ALWAYS FREE EGRESS
 ACCESS CONTROL AND CARD READER (MONITORED)
- EXTERIOR SECURE**
 EXTERIOR ALWAYS LOCKED UNLESS DOGGED
 INTERIOR ALWAYS FREE EGRESS
 DOOR POSITION SWITCH (MONITORED)
- EXTERIOR ACCESS**
 EXTERIOR ALWAYS LOCKED UNLESS ELECTRONICALLY RELEASED (SEE SET)
 INTERIOR ALWAYS FREE EGRESS
 CARD READER, ACCESS CONTROL, AND AI
- INTERIOR SECURE ACCESS**
 INGRESS ALWAYS LOCKED UNLESS ELECTRONICALLY RELEASED
 ACCESS CONTROL AND CARD READER (MONITORED; DPS & REX)
- INTERIOR HOLDING**
 ALWAYS LOCKED FROM BOTH SIDES UNLESS OPENED WITH A KEY

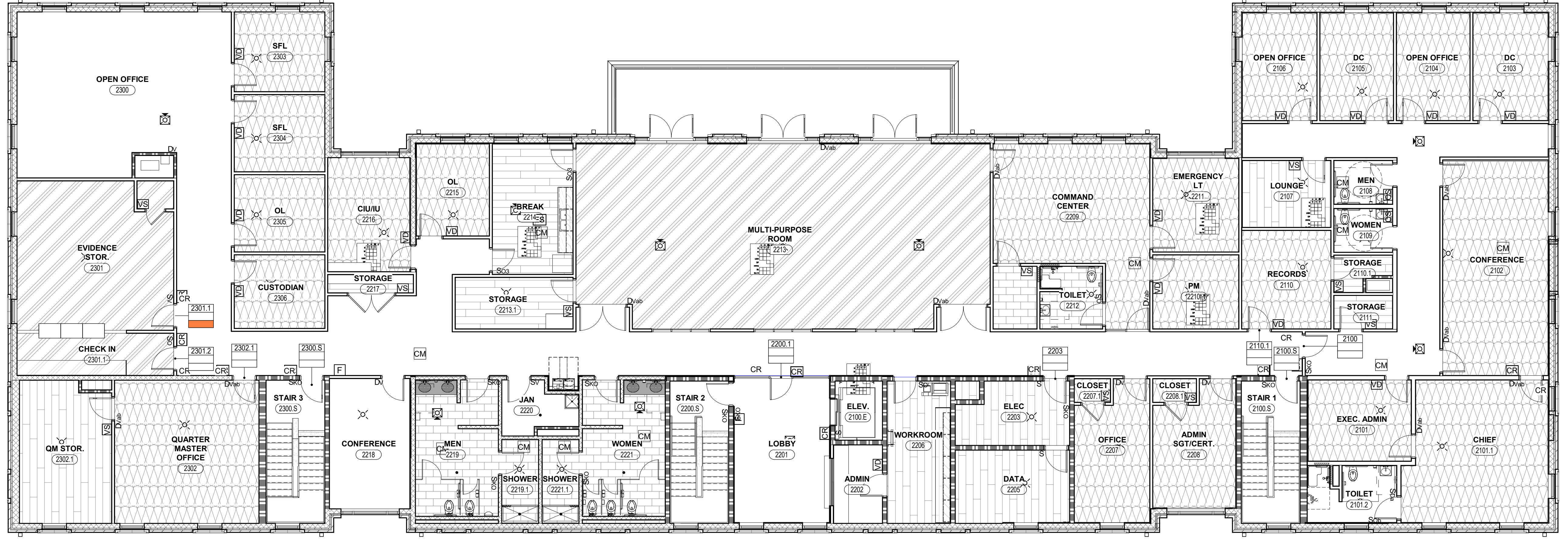
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REVISIONS:

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PROJECT: 5201-192070
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DOOR & SECURITY HARDWARE PLAN - 2ND FLOOR
A-612



C1 2ND FLOOR - HARDWARE COORDINATION PLAN
 1/8" = 1'-0"

ACCESS CONTROL PLAN LEGEND

- AC ACCESS CONTROL
- DPS DOOR POSITION SWITCH
- CR CARD READER
- HO HOLD OPEN
- EA EXIT ALARM
- PD PANIC DEVICE
- REX REQUEST TO EXIT

* SEE DOOR SCHEDULE AND HARDWARE SETS FOR ADDITIONAL DOOR AND ACCESS CONTROL INFORMATION.

SECURITY DOOR HARDWARE LEGEND (NORMAL OPERATING HOURS)

- EXTERIOR ACCESS**
 EXTERIOR ALWAYS LOCKED UNLESS ELECTRONICALLY RELEASED (SEE SET)
 INTERIOR ALWAYS FREE EGRESS
 ACCESS CONTROL AND CARD READER (MONITORED)
- EXTERIOR SECURE**
 EXTERIOR ALWAYS LOCKED UNLESS DOGGED
 INTERIOR ALWAYS FREE EGRESS
 DOOR POSITION SWITCH (MONITORED)
- EXTERIOR ACCESS**
 EXTERIOR ALWAYS LOCKED UNLESS ELECTRONICALLY RELEASED (SEE SET)
 INTERIOR ALWAYS FREE EGRESS
 CARD READER, ACCESS CONTROL, AND AI
- INTERIOR SECURE ACCESS**
 INGRESS ALWAYS LOCKED UNLESS ELECTRONICALLY RELEASED
 ACCESS CONTROL AND CARD READER (MONITORED, DPS & REX)
- INTERIOR HOLDING**
 ALWAYS LOCKED FROM BOTH SIDES UNLESS OPENED WITH A KEY



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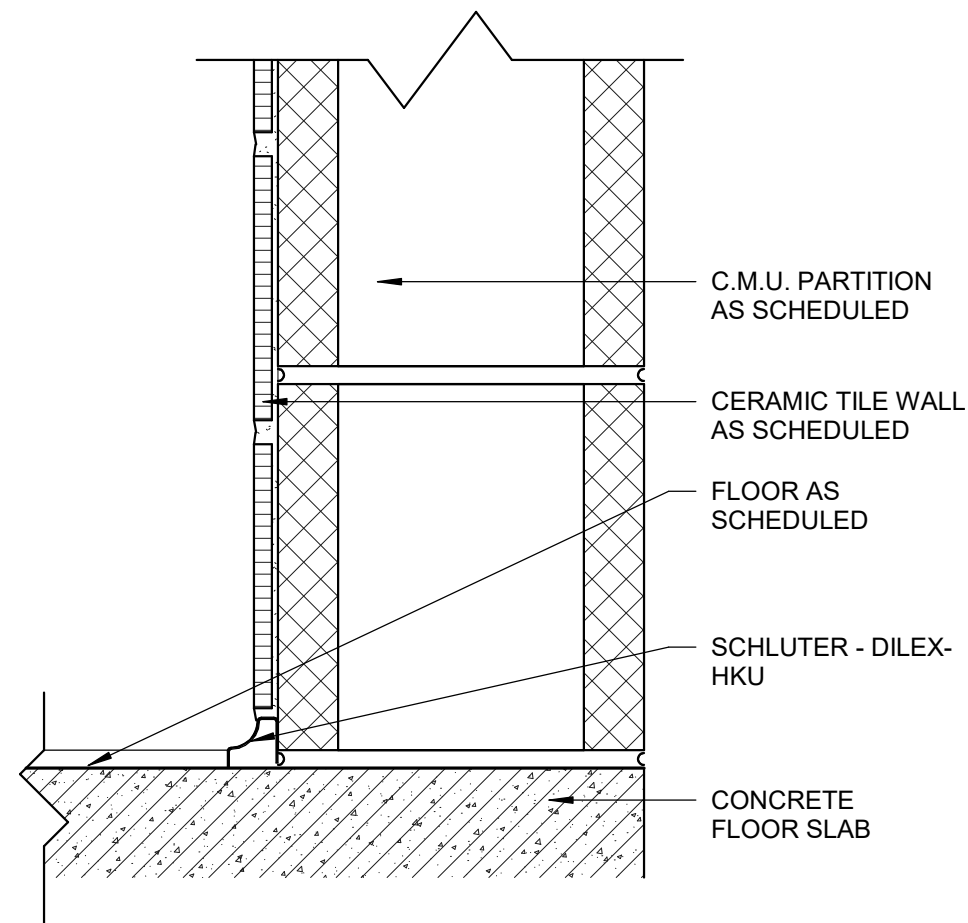
REVISIONS:

No.	Description	Date
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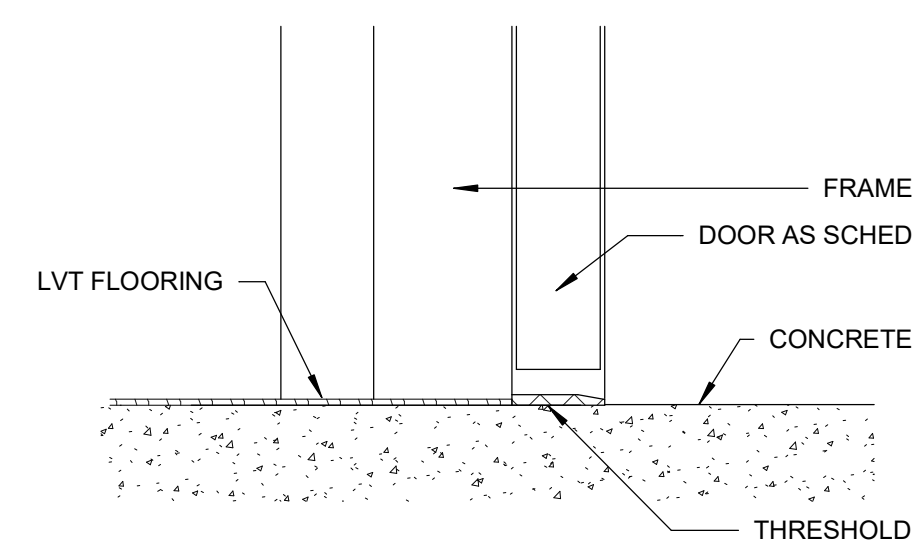
PROJECT: 5201-192070
DATE: 05/12/2023
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THRESHOLD
DETAILS

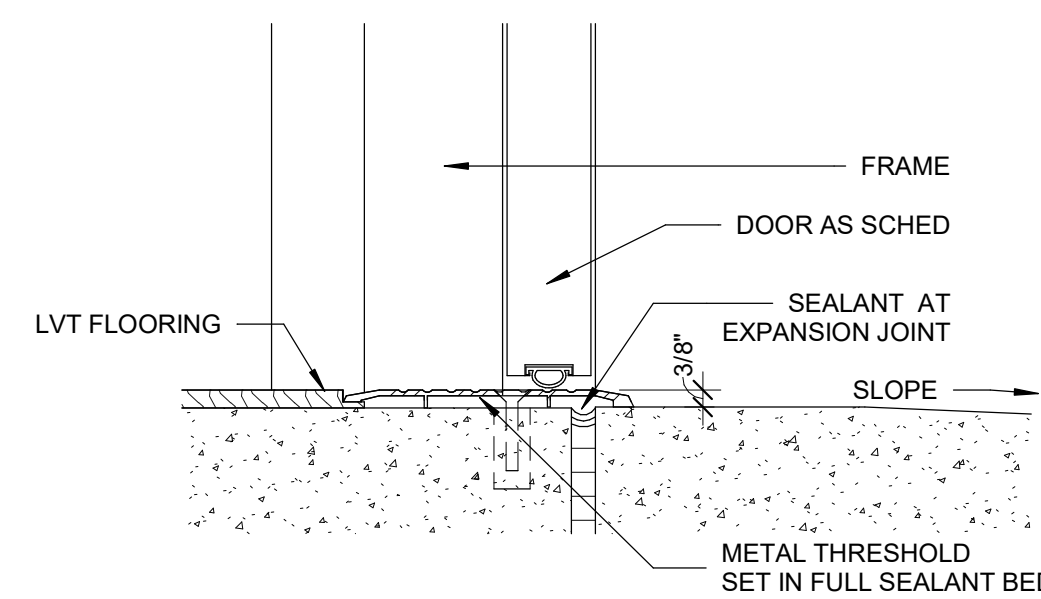
A-613



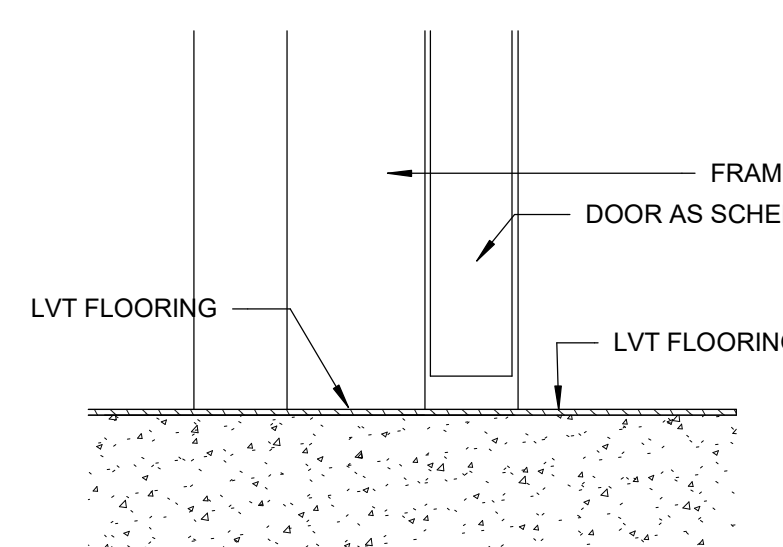
E1 WALL TILE TO FLOOR TRANSITION
3" = 1'-0"



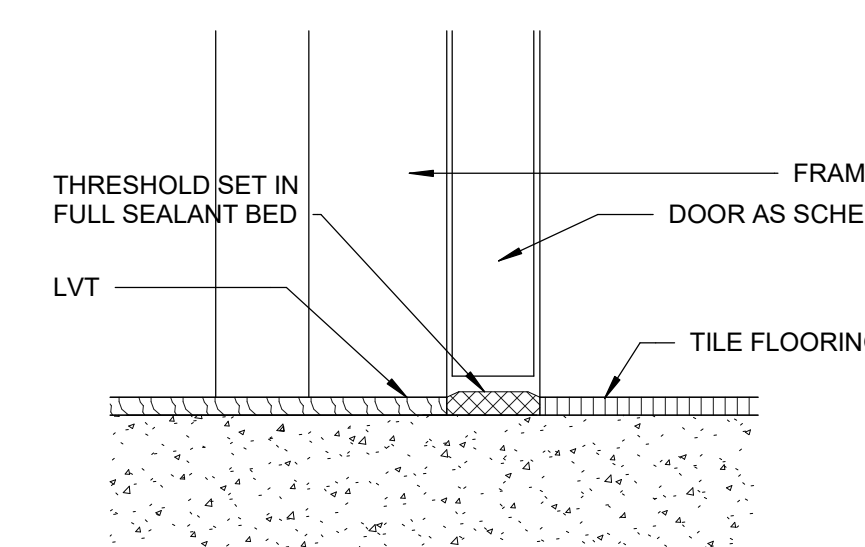
B1 LVT FLOORING TO CONCRETE
3" = 1'-0"



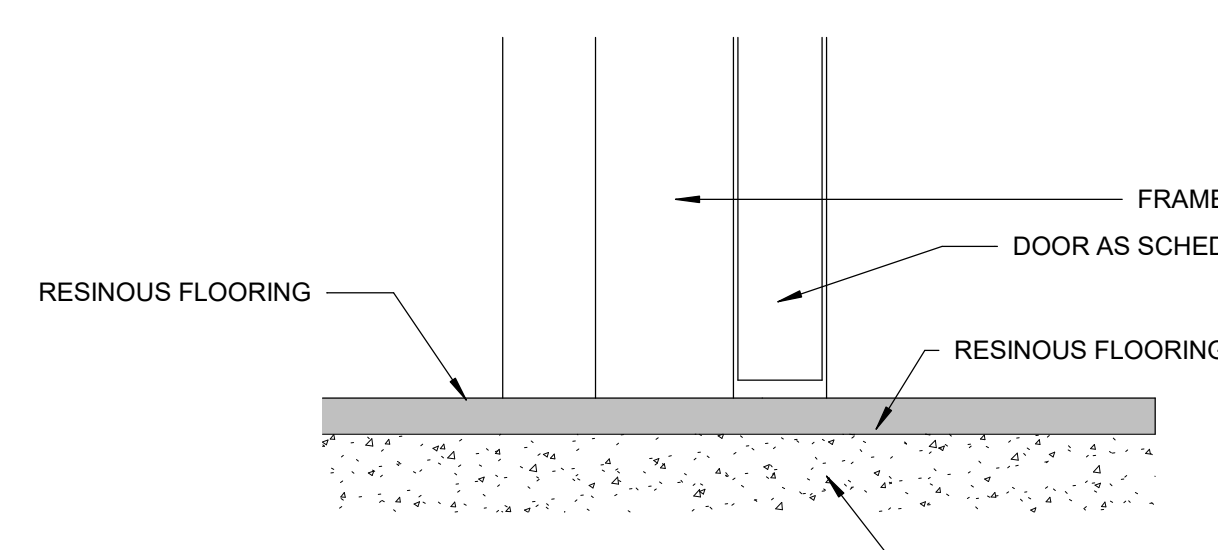
B2 LVT TO EXTERIOR CONCRETE
3" = 1'-0"



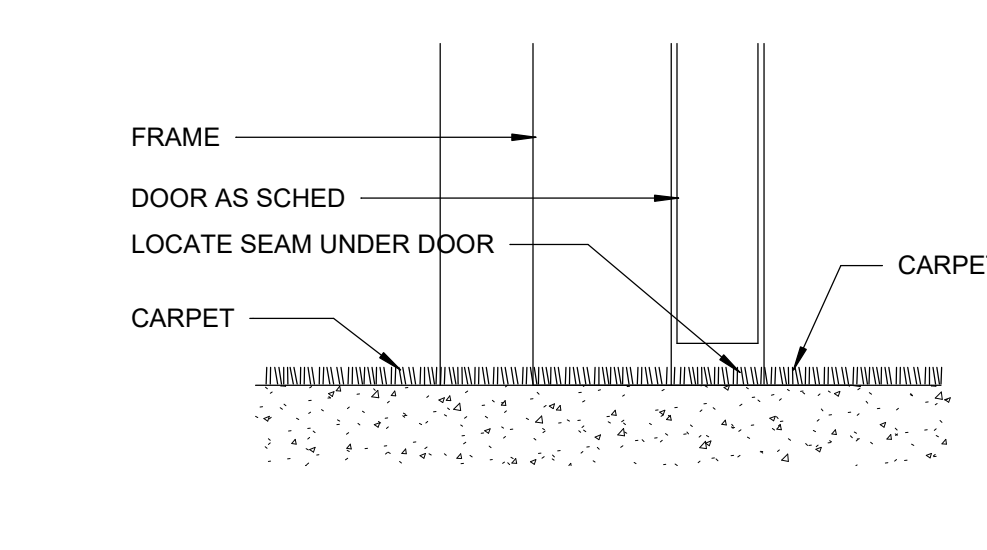
B3 LVT TO LVT
3" = 1'-0"



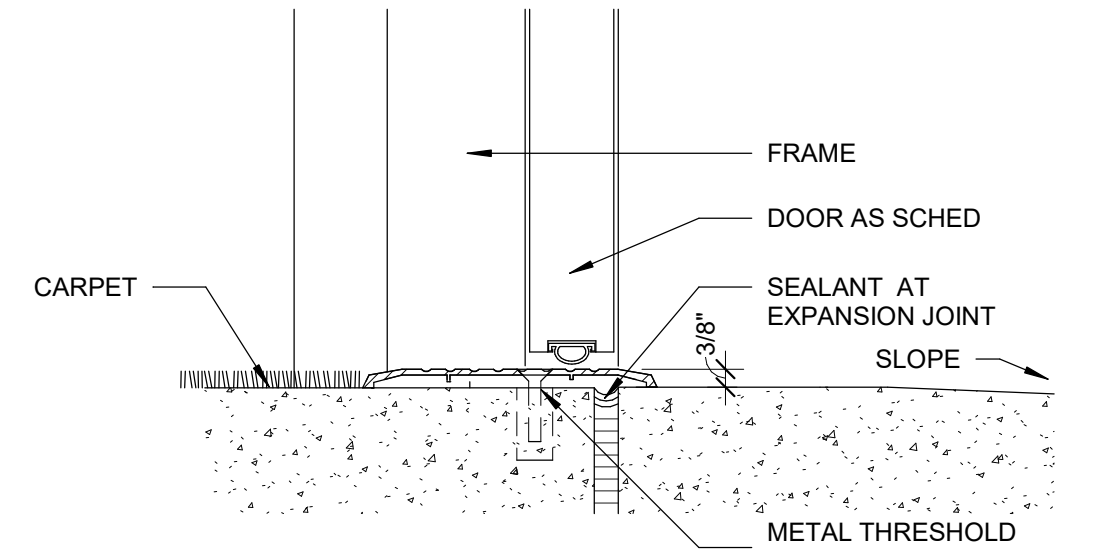
B4 LVT TO PORCELAIN TILE
3" = 1'-0"



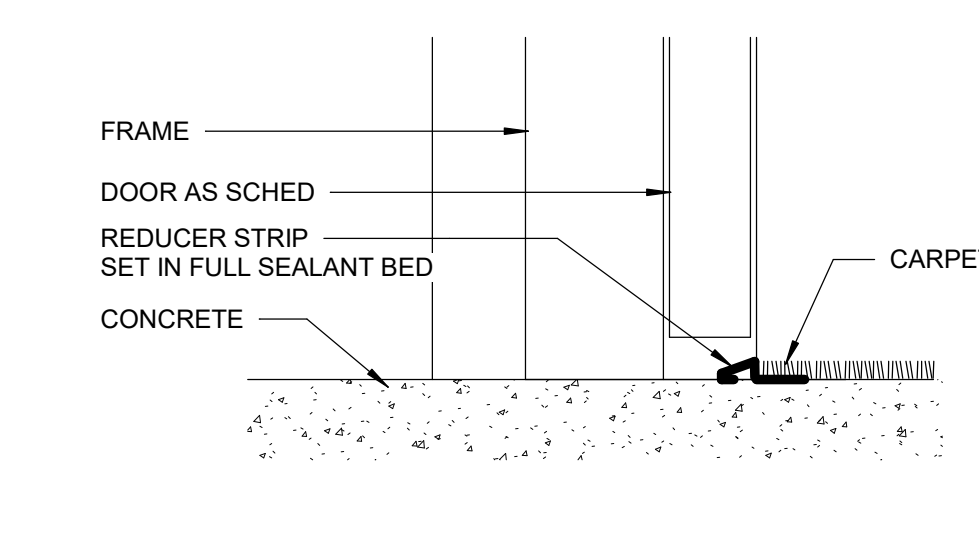
A1 EPOXY TO EPOXY
3" = 1'-0"



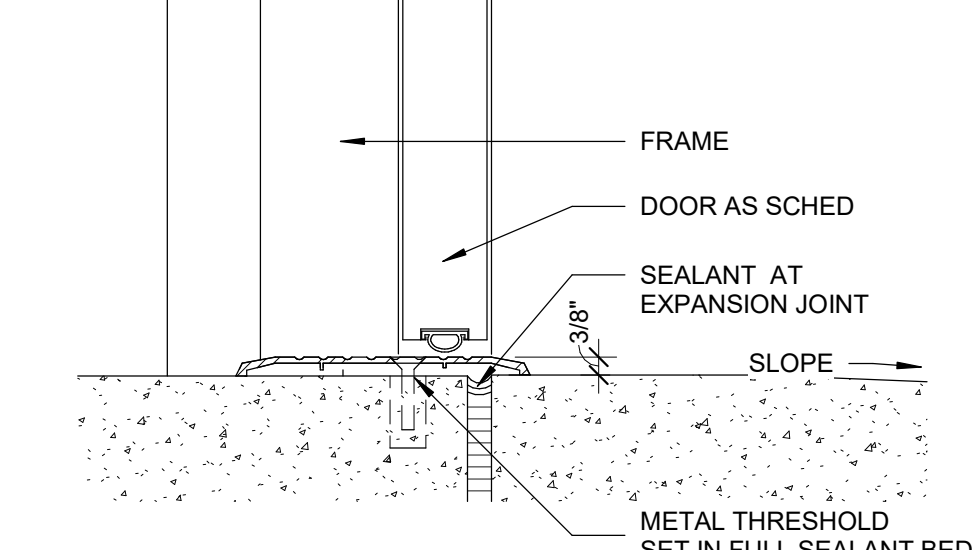
A2 CARPET TO CARPET
3" = 1'-0"



A3 CARPET TO EXTERIOR CONCRETE
3" = 1'-0"

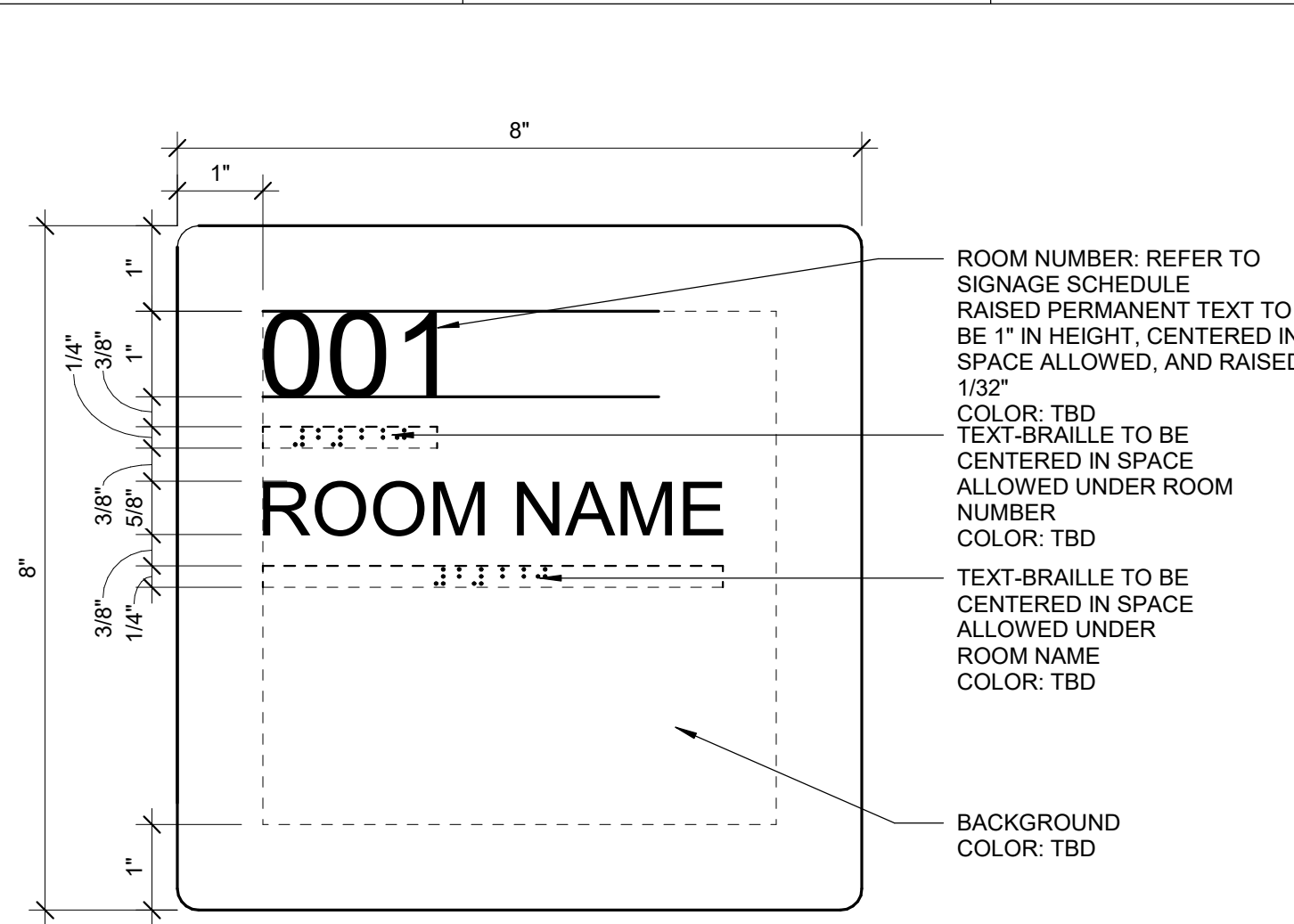


A4 CONCRETE TO CARPET
3" = 1'-0"

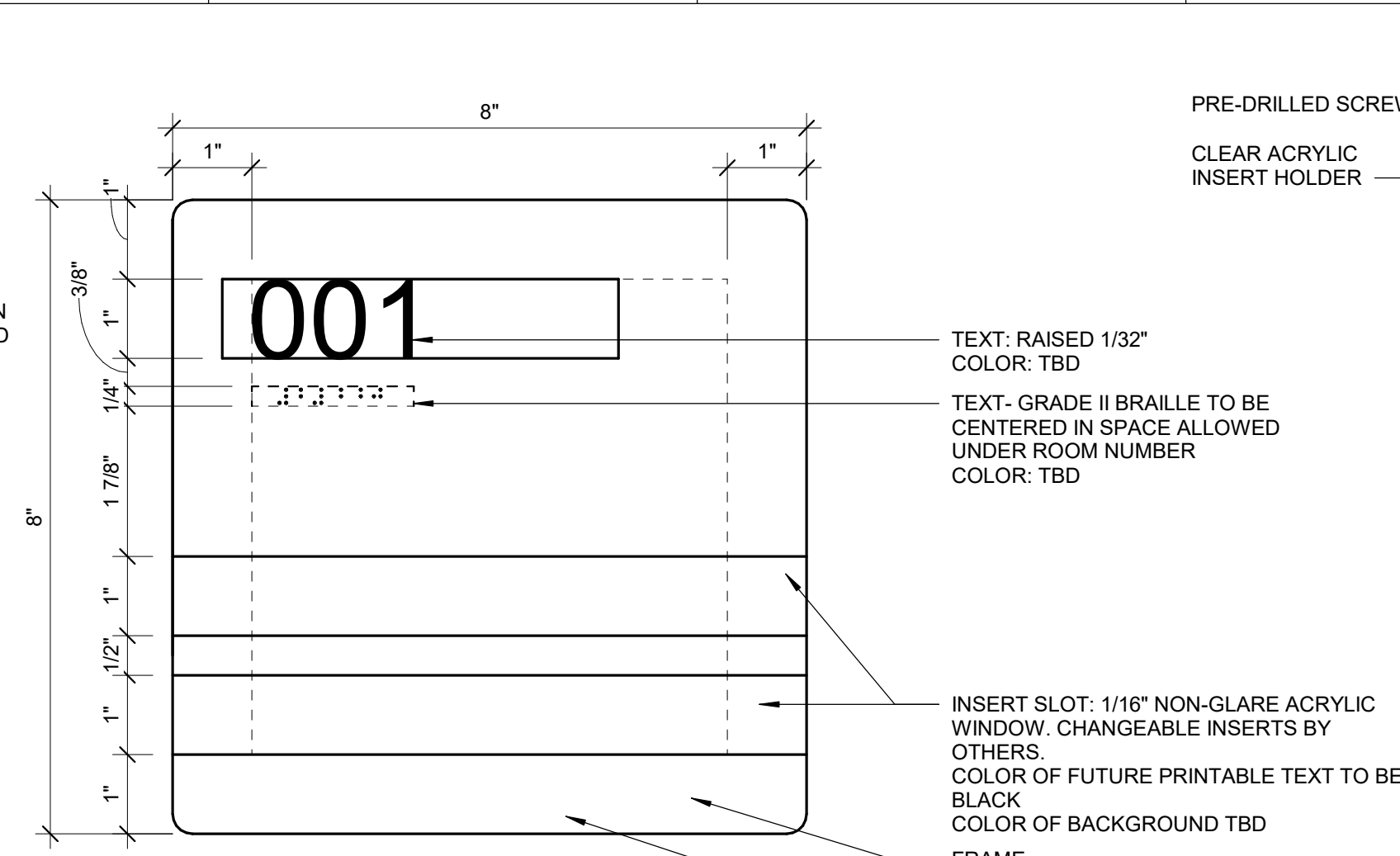


A5 CONCRETE TO EXTERIOR CONCRETE
3" = 1'-0"

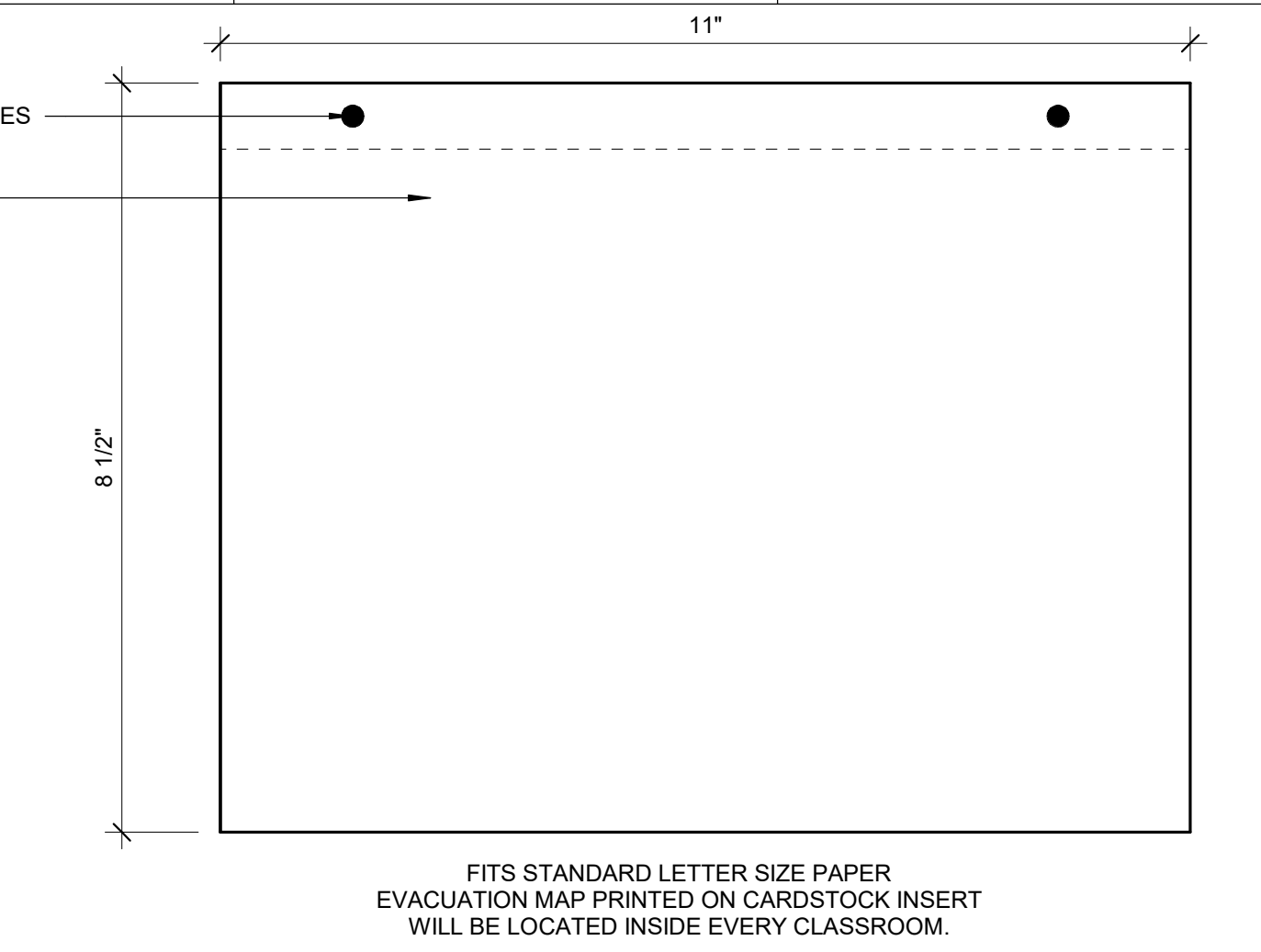
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5/29/2023 11:05:24 AM



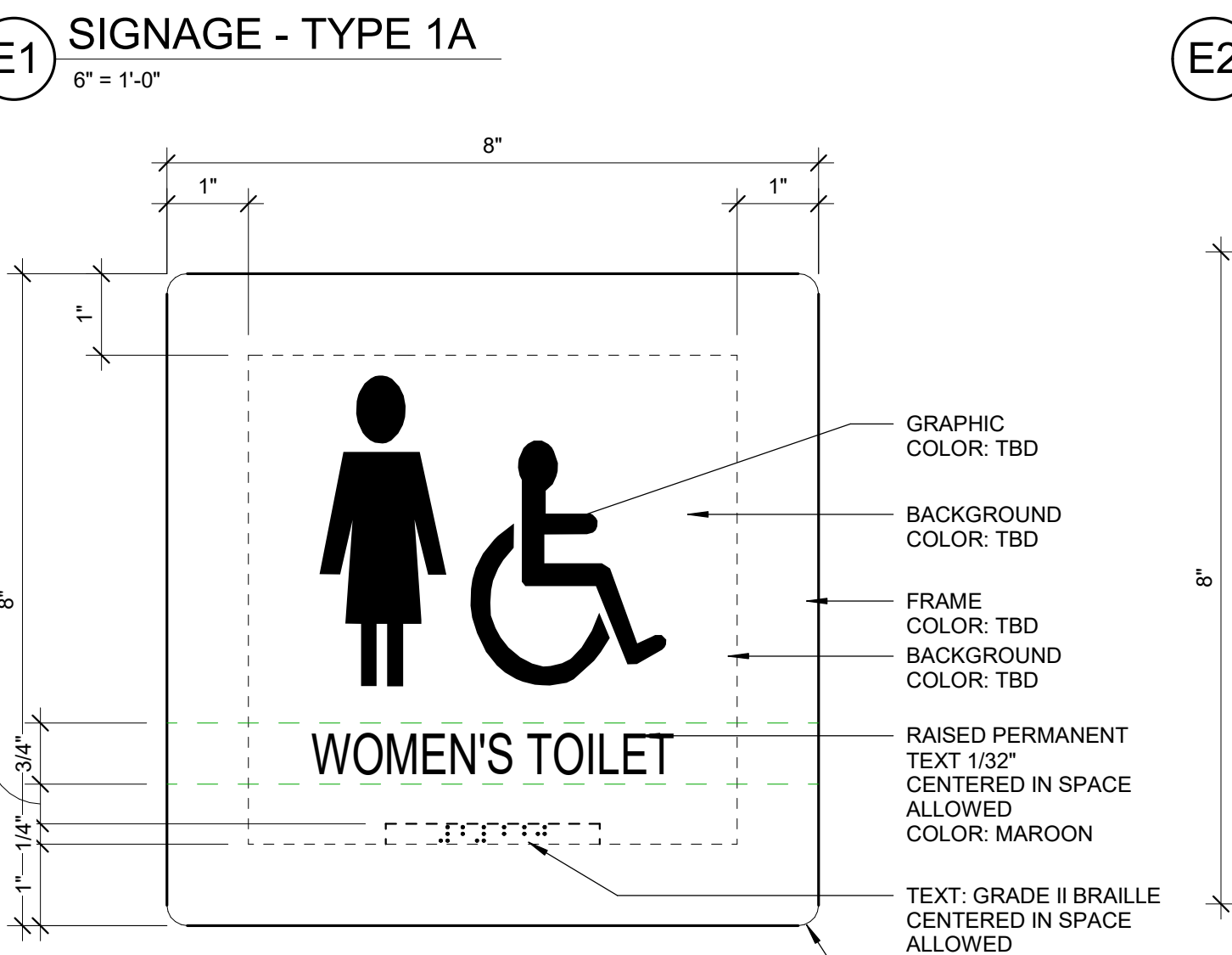
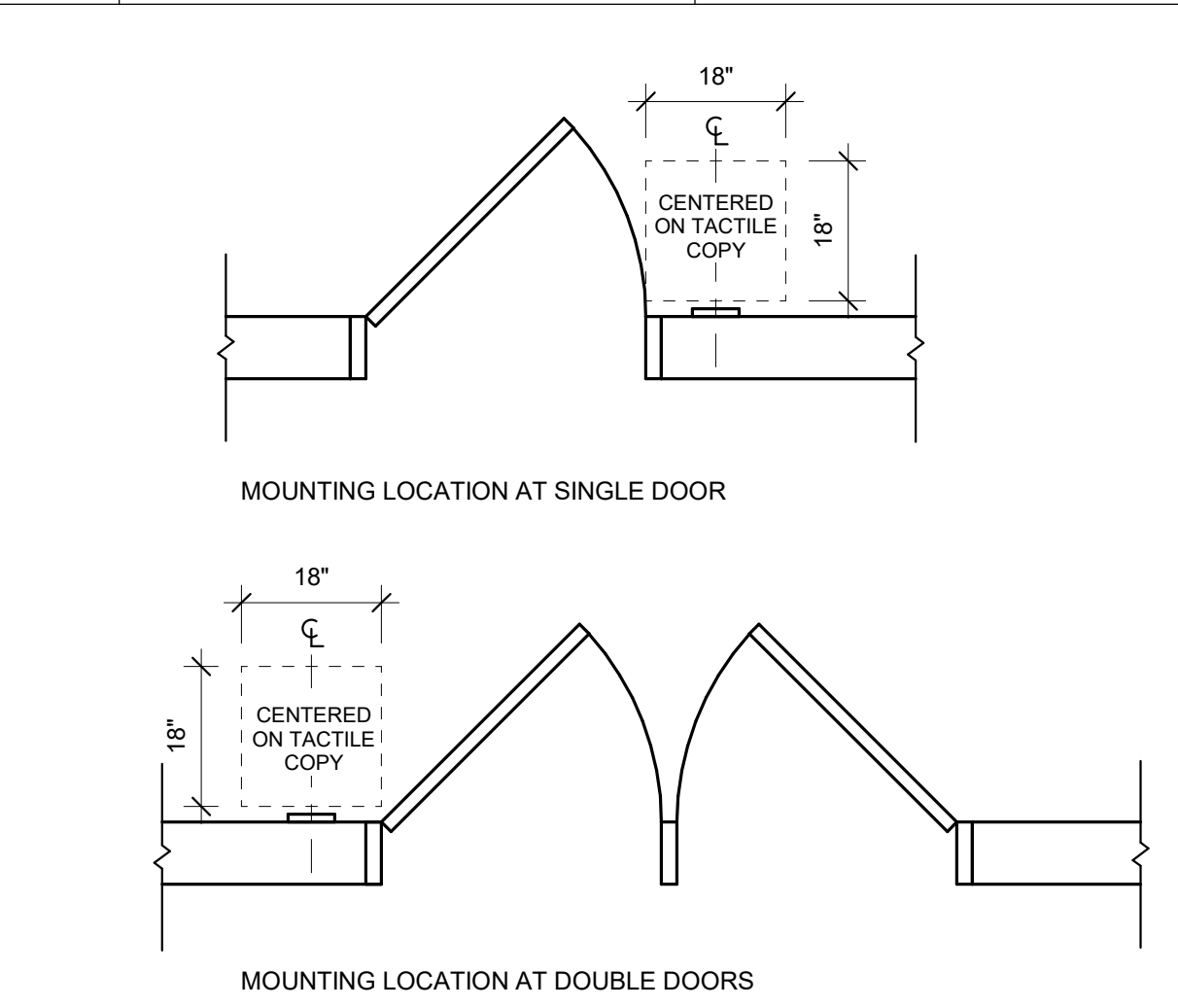
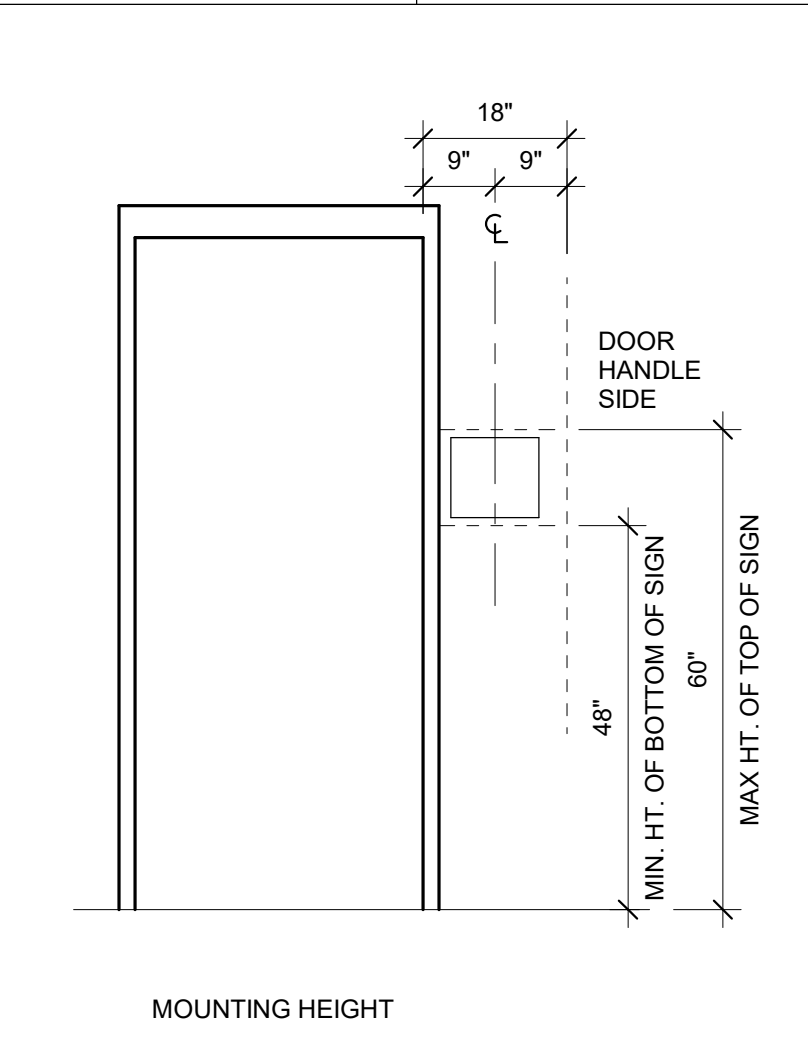
ROOM NUMBER: REFER TO SIGNAGE SCHEDULE
 RAISED PERMANENT TEXT TO BE 1" IN HEIGHT, CENTERED IN SPACE ALLOWED, AND RAISED 1/32" COLOR: TBD
 TEXT-BRILLE TO BE CENTERED IN SPACE ALLOWED UNDER ROOM NUMBER
 COLOR: TBD
 TEXT-BRILLE TO BE CENTERED IN SPACE ALLOWED UNDER ROOM NAME
 COLOR: TBD
 BACKGROUND COLOR: TBD



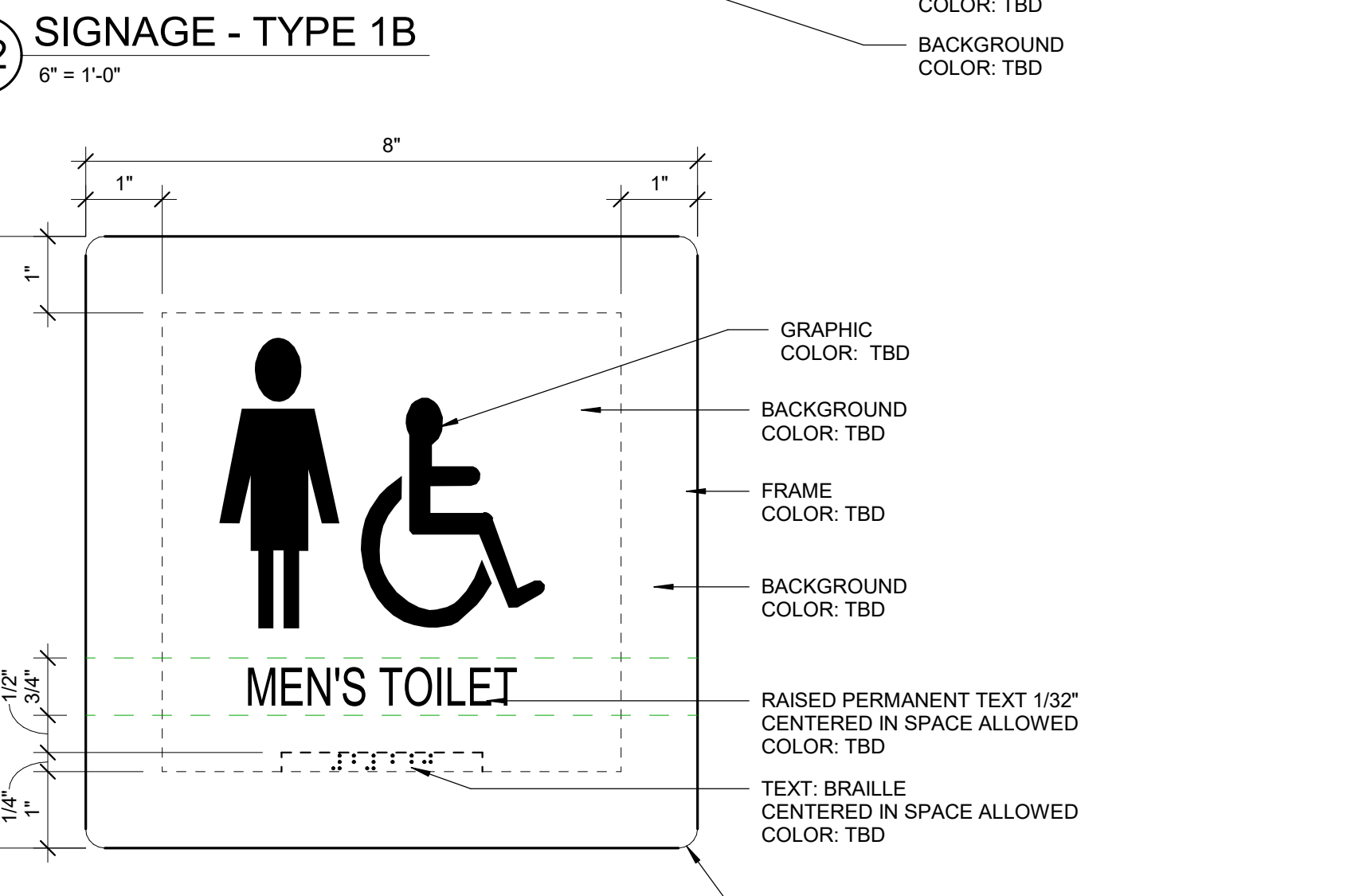
TEXT: RAISED 1/32" COLOR: TBD
 TEXT: GRADE II BRAILLE TO BE CENTERED IN SPACE ALLOWED UNDER ROOM NUMBER
 COLOR: TBD
 INSERT SLOT: 1/16" NON-GLARE ACRYLIC WINDOW CHANGEABLE INSERTS BY OTHERS
 COLOR OF FUTURE PRINTABLE TEXT TO BE BLACK
 COLOR OF BACKGROUND TBD
 FRAME COLOR: TBD
 BACKGROUND COLOR: TBD



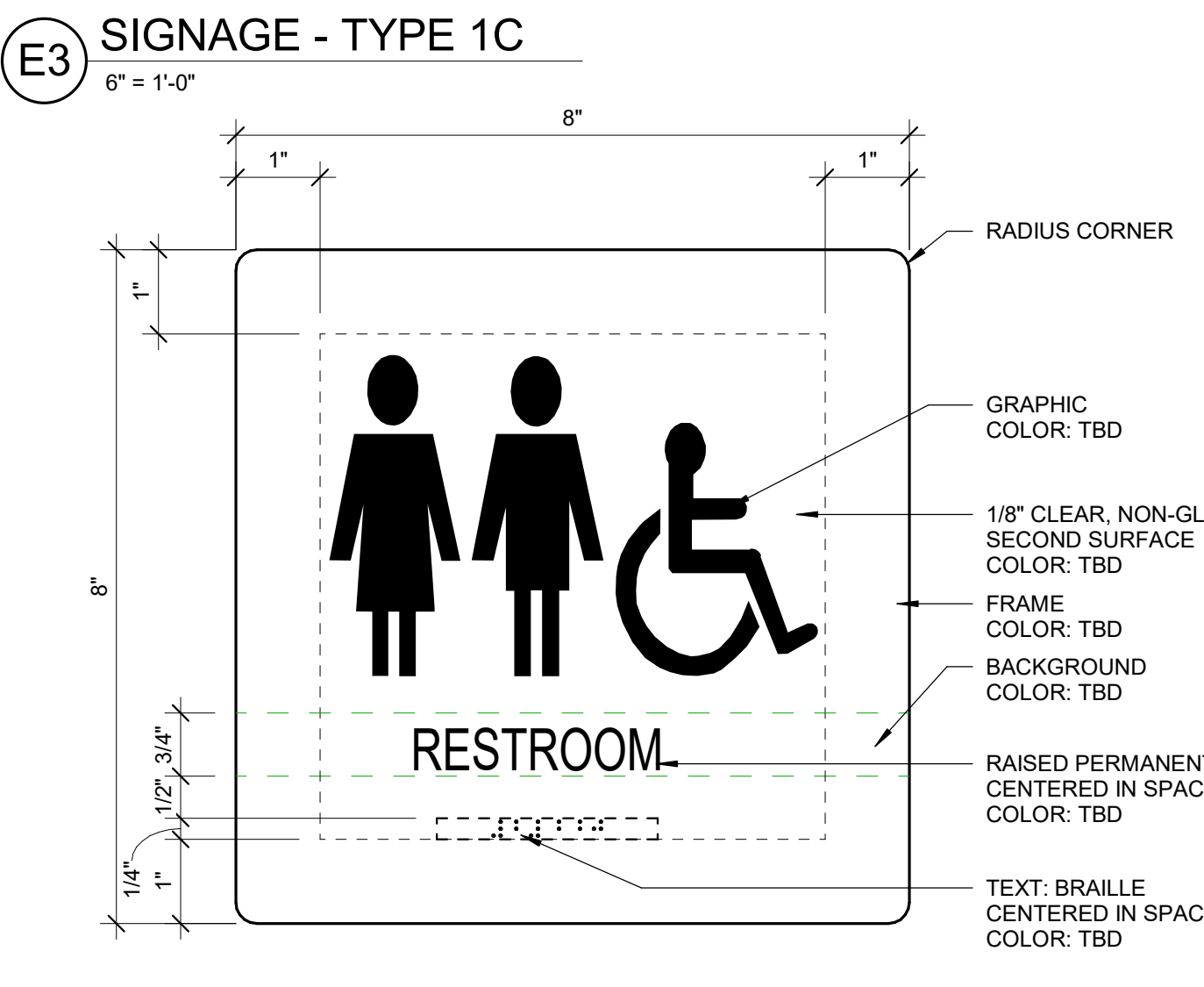
FITS STANDARD LETTER SIZE PAPER
 EVACUATION MAP PRINTED ON CARDBOARD INSERT
 WILL BE LOCATED INSIDE EVERY CLASSROOM.



GRAPHIC COLOR: TBD
 BACKGROUND COLOR: TBD
 FRAME COLOR: TBD
 BACKGROUND COLOR: TBD
 RAISED PERMANENT TEXT 1/32" CENTERED IN SPACE ALLOWED
 COLOR: MAROON
 TEXT: GRADE II BRAILLE CENTERED IN SPACE ALLOWED
 COLOR: WHITE
 RADIUS CORNER



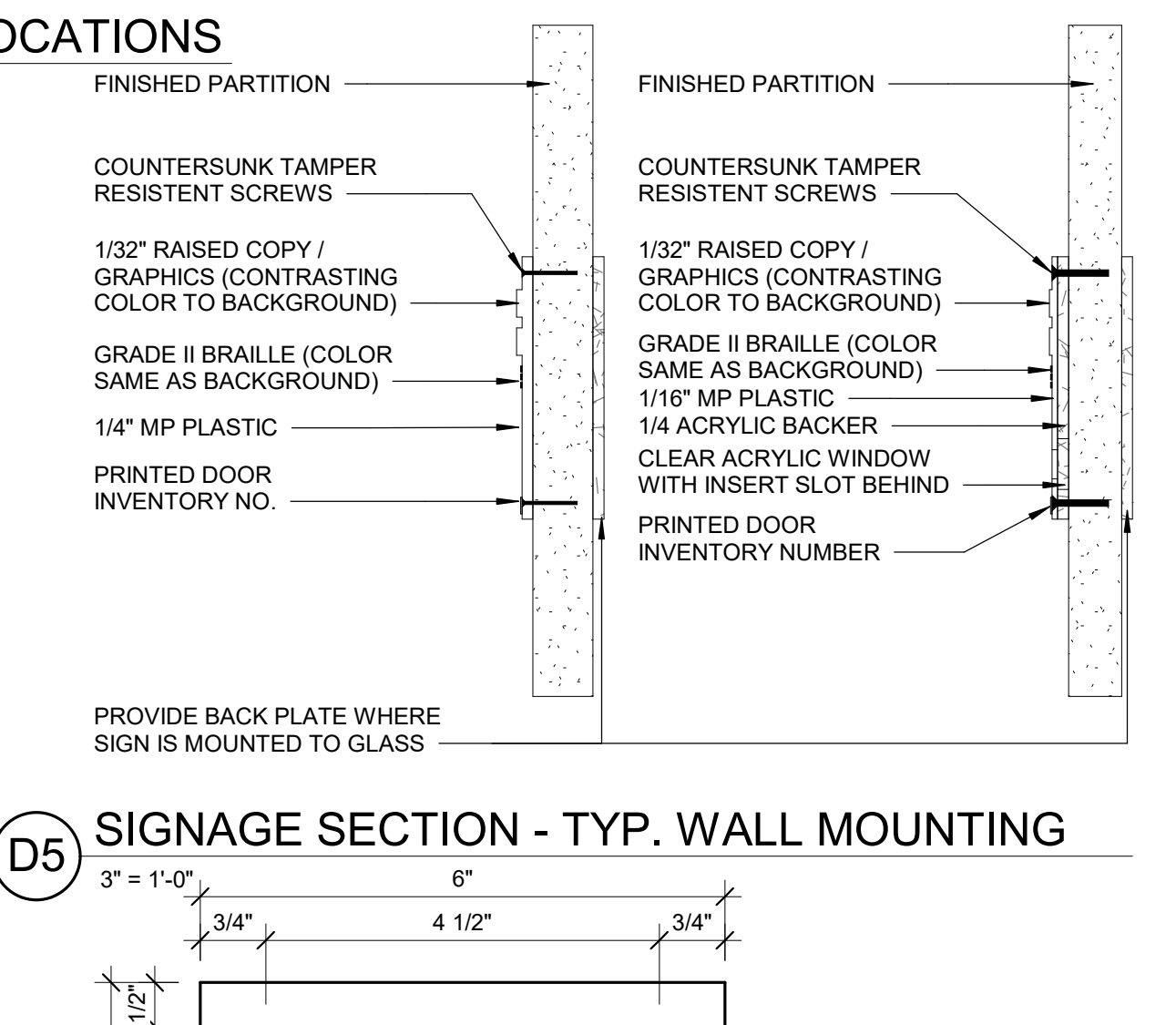
GRAPHIC COLOR: TBD
 BACKGROUND COLOR: TBD
 FRAME COLOR: TBD
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 RAISED PERMANENT TEXT 1/32" CENTERED IN SPACE ALLOWED
 COLOR: TBD
 TEXT: BRAILLE CENTERED IN SPACE ALLOWED
 COLOR: TBD
 RADIUS CORNER



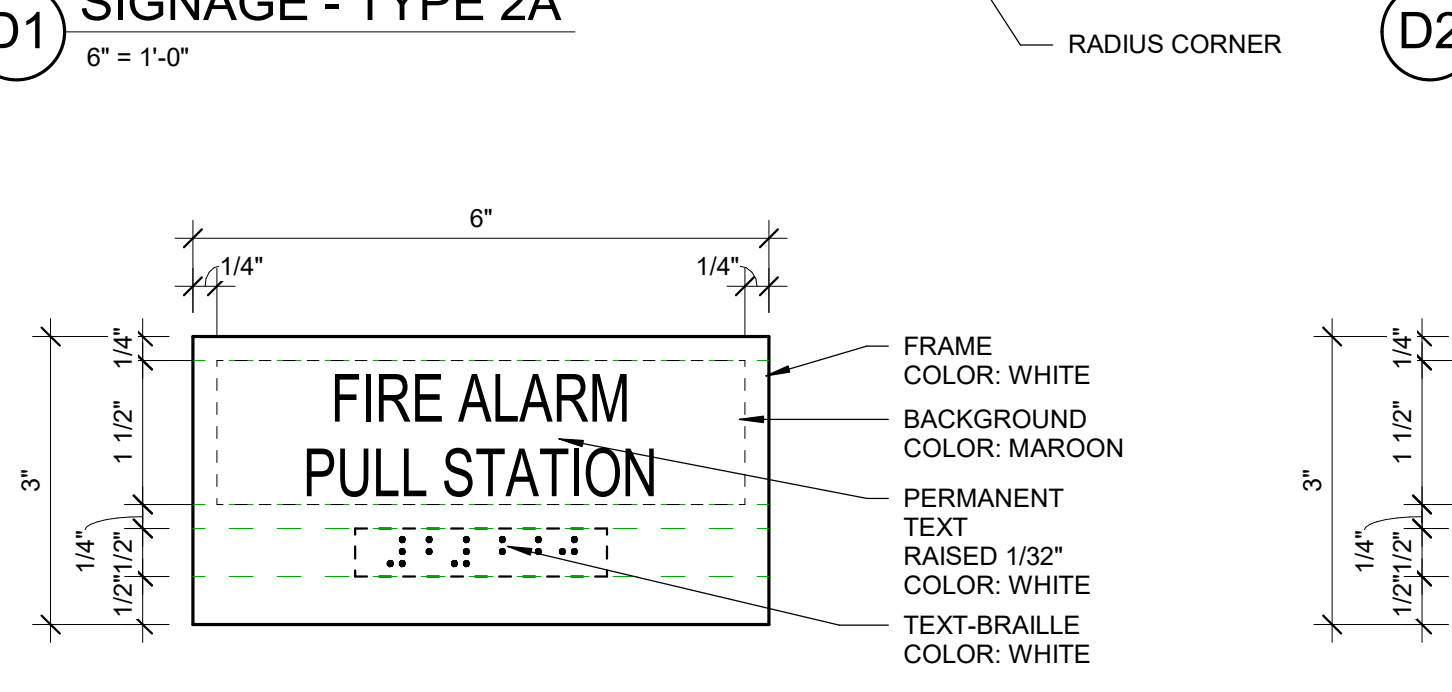
RADIUS CORNER
 GRAPHIC COLOR: TBD
 1/8" CLEAR, NON-GLARE ACRYLIC WITH SECOND SURFACE
 COLOR: TBD
 FRAME COLOR: TBD
 BACKGROUND COLOR: TBD
 RAISED PERMANENT TEXT 1/32" CENTERED IN SPACE ALLOWED
 COLOR: TBD
 TEXT: BRAILLE CENTERED IN SPACE ALLOWED
 COLOR: TBD



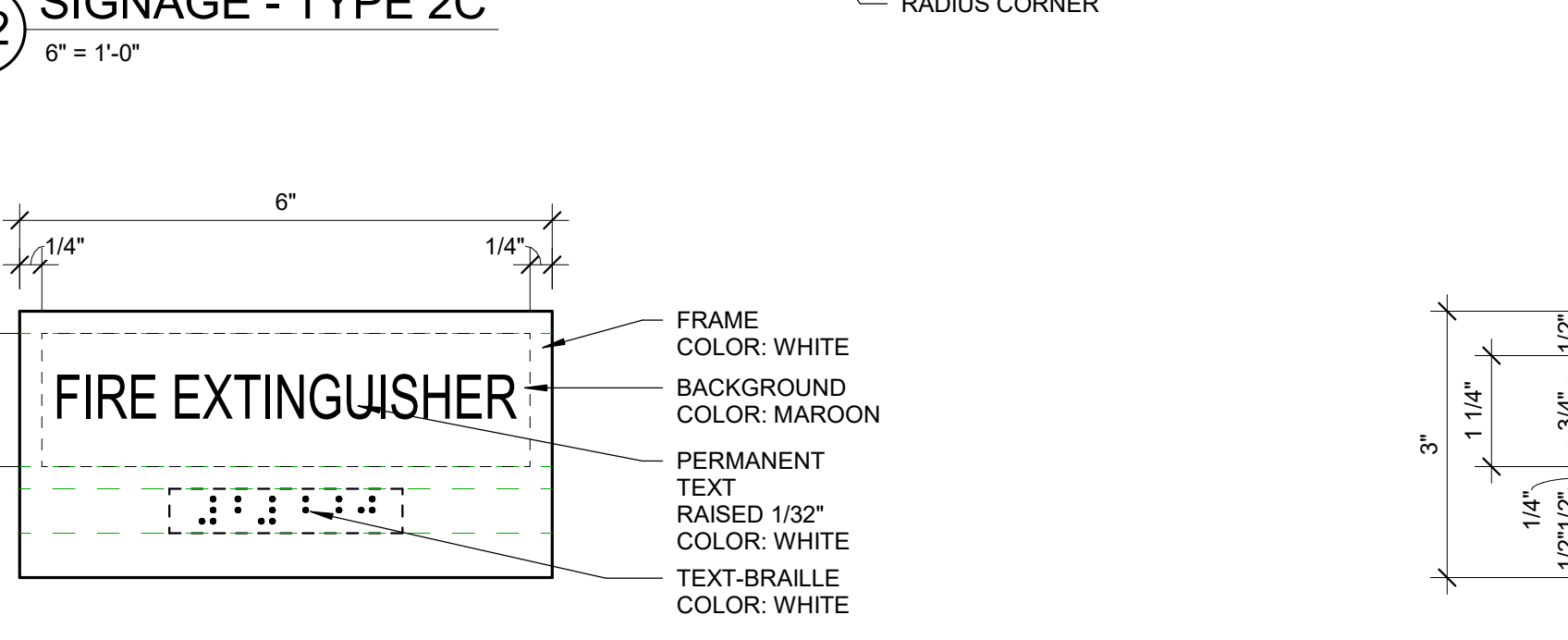
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 BACKGROUND COLOR: MAROON
 PERMANENT TEXT RAISED 1/32" COLOR: WHITE
 TEXT-BRILLE COLOR: WHITE



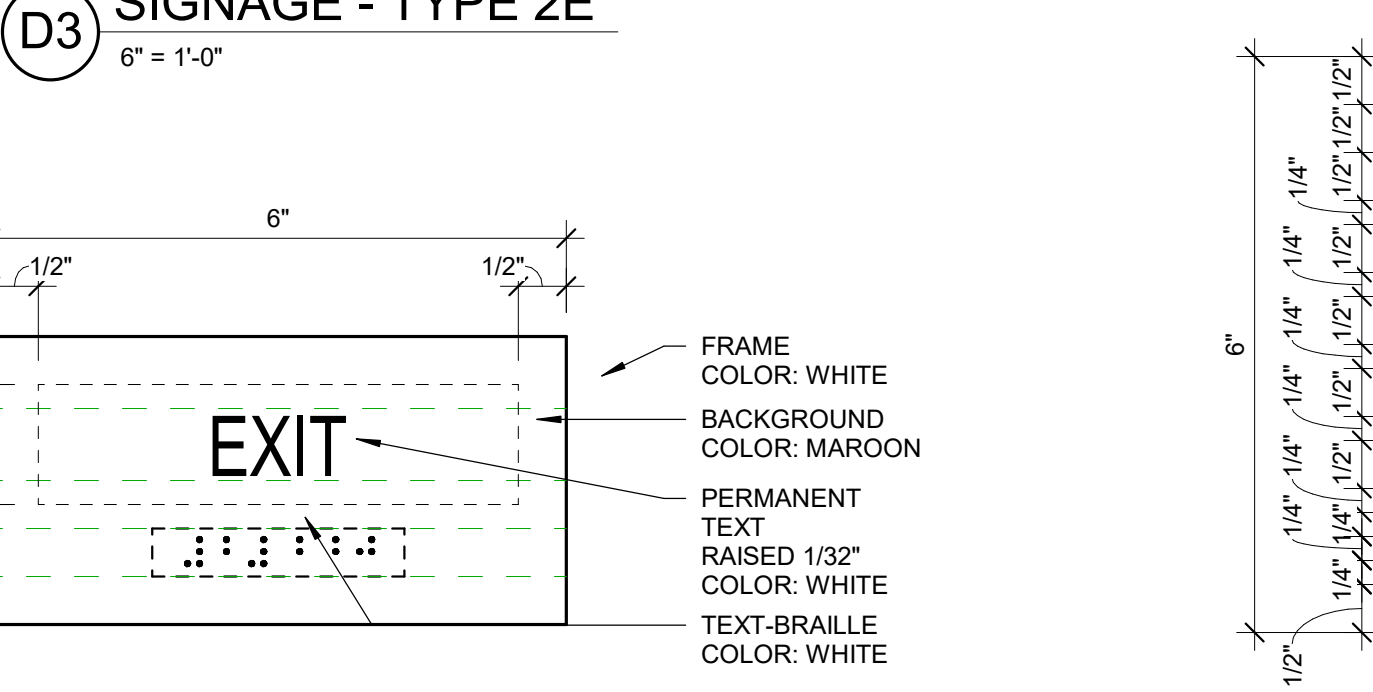
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 BACKGROUND COLOR: MAROON
 FRAME COLOR: WHITE
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 COLOR: MAROON
 TEXT: BRAILLE CENTERED IN SPACE ALLOWED
 COLOR: WHITE



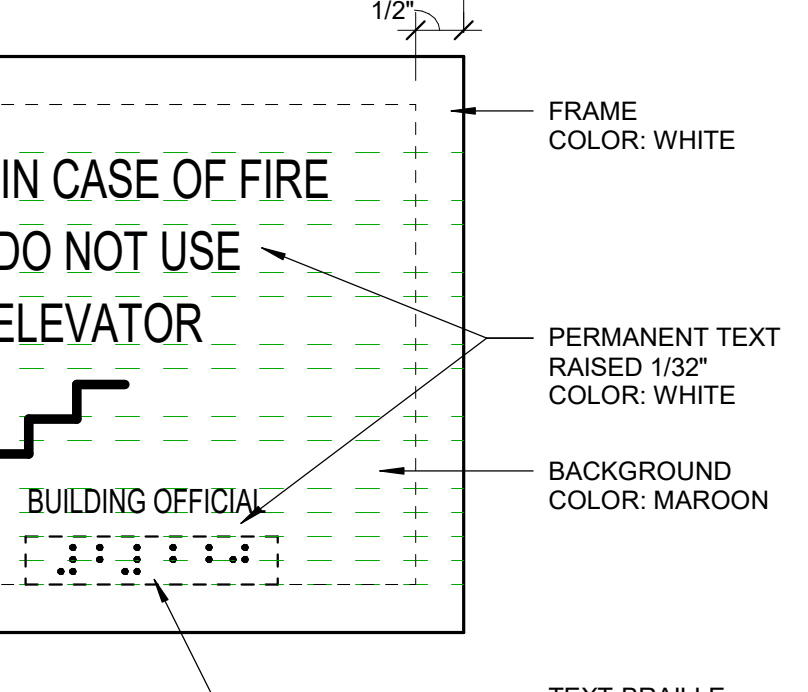
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 TEXT-BRILLE COLOR: WHITE



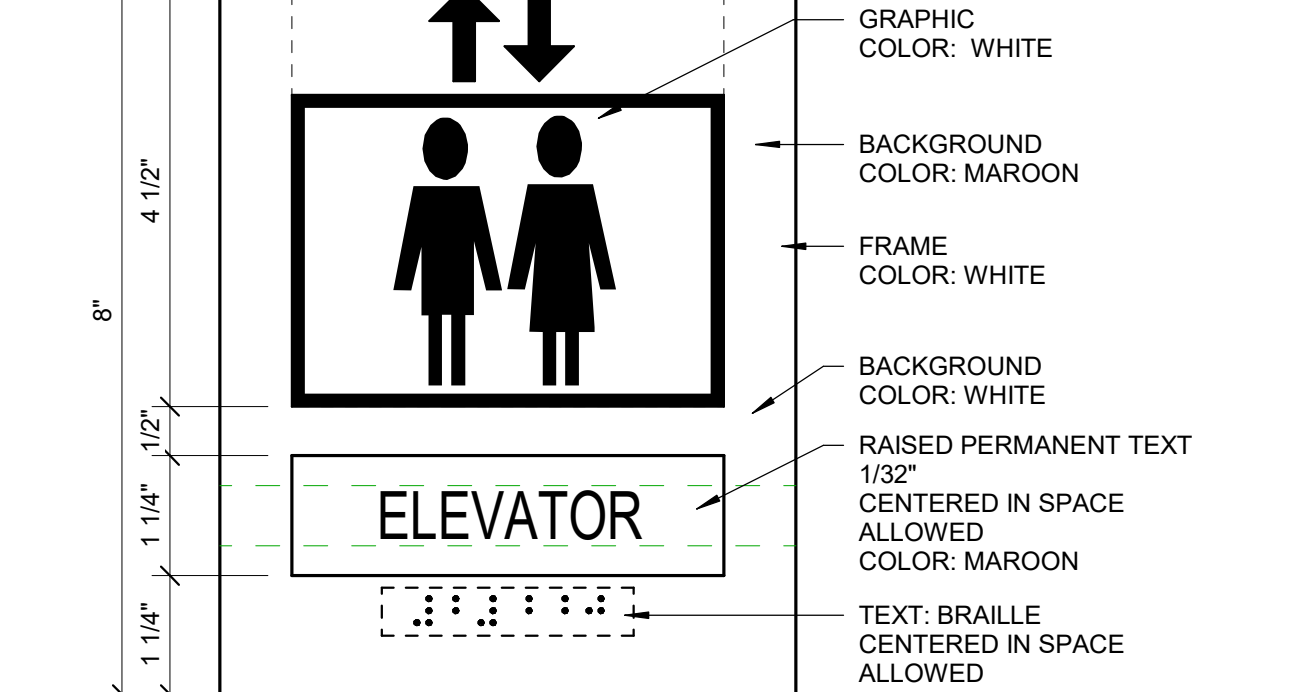
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 TEXT-BRILLE COLOR: WHITE



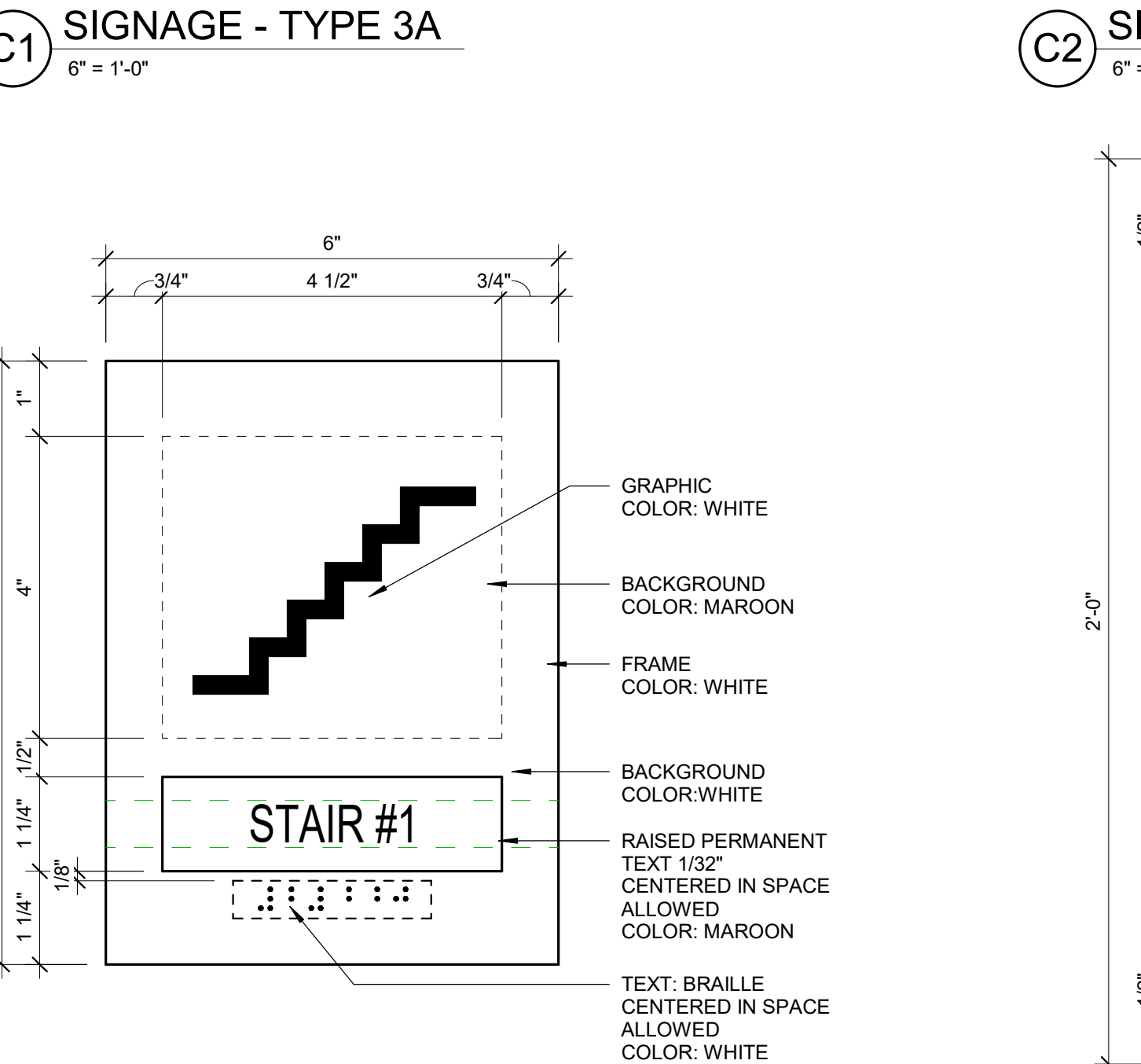
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 TEXT-BRILLE COLOR: WHITE



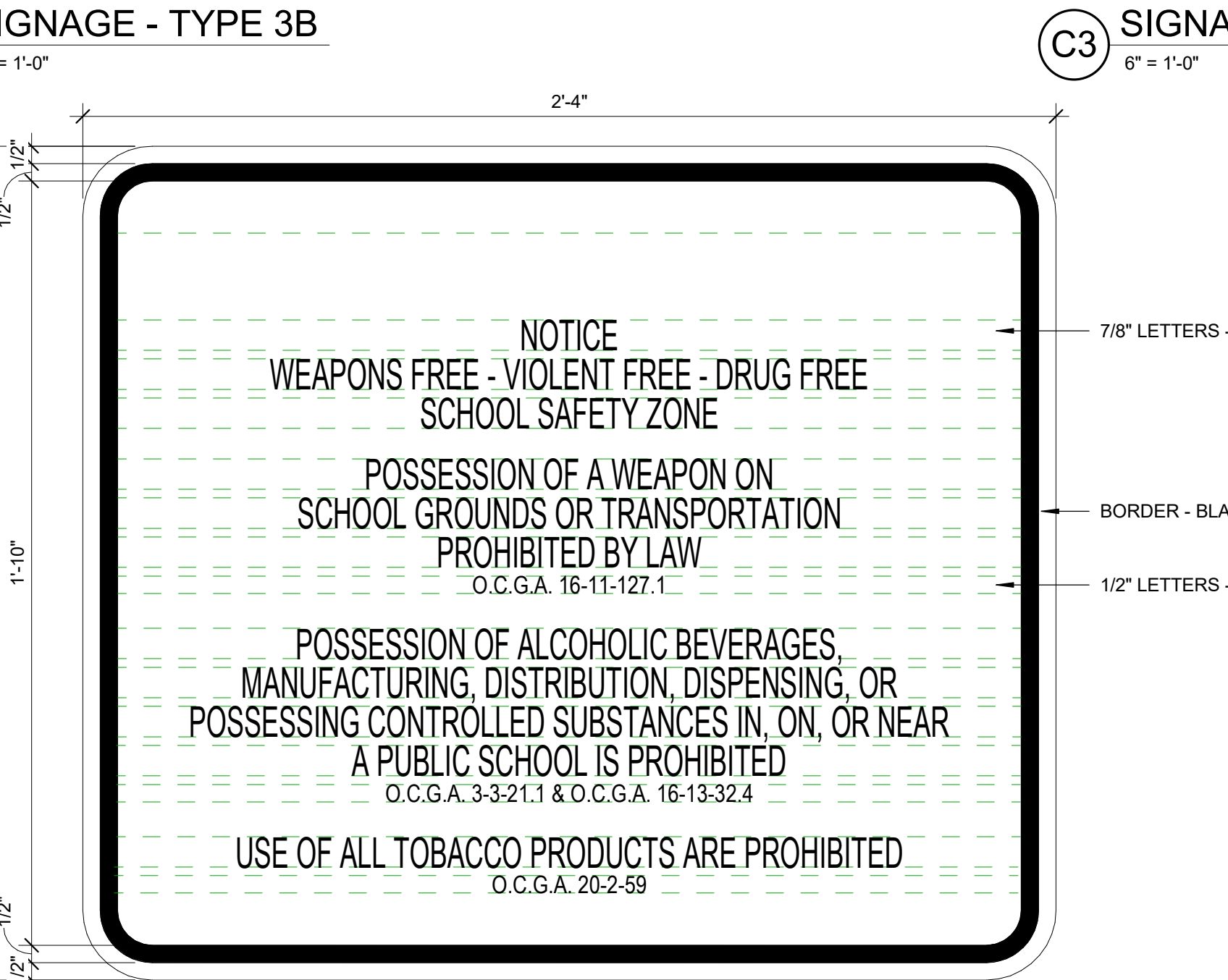
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 TEXT-BRILLE COLOR: WHITE



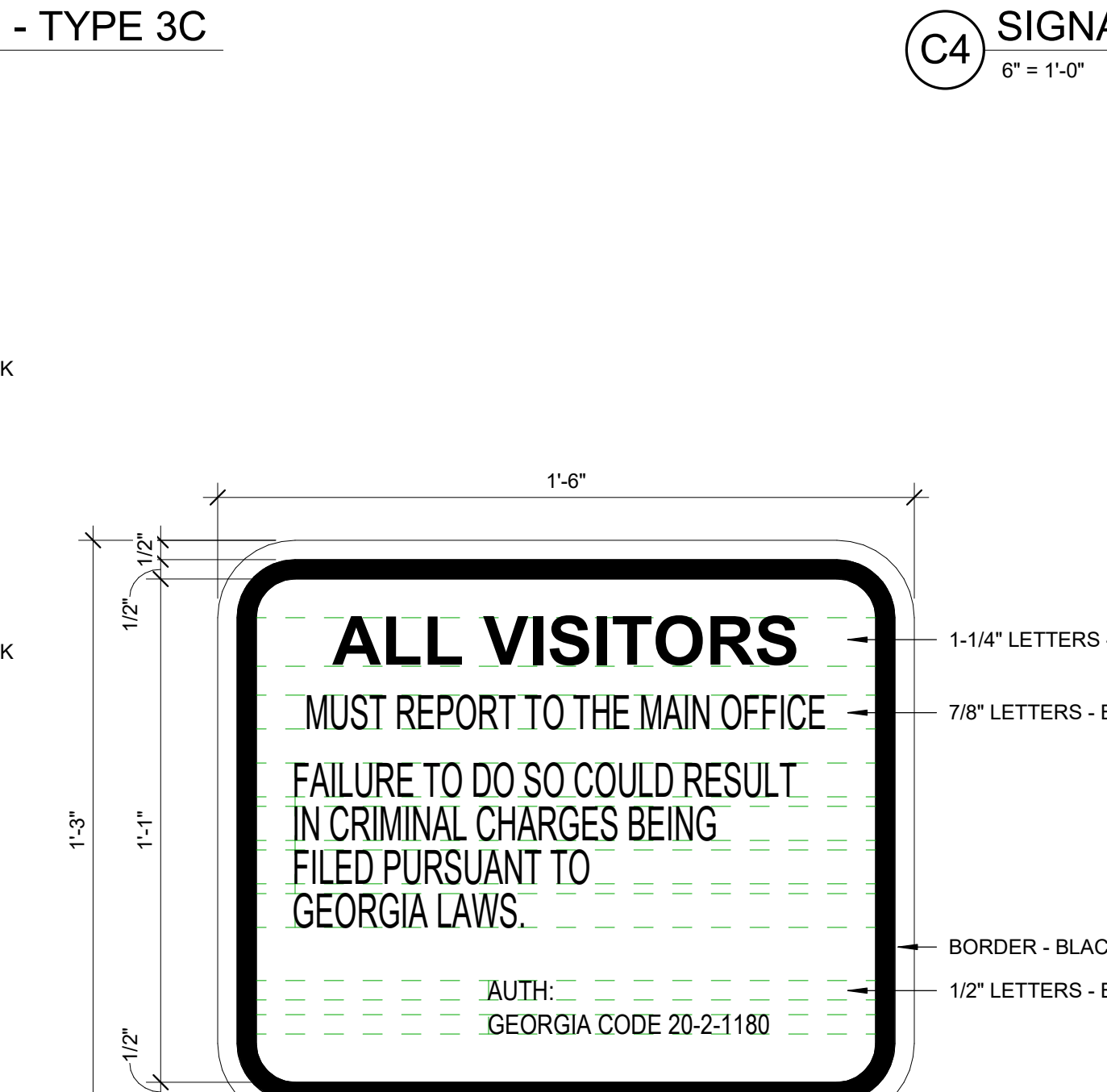
GRAPHIC COLOR: WHITE
 BACKGROUND COLOR: MAROON
 FRAME COLOR: WHITE
 BACKGROUND COLOR: WHITE
 RAISED PERMANENT TEXT 1/32" CENTERED IN SPACE ALLOWED
 COLOR: MAROON
 TEXT: BRAILLE CENTERED IN SPACE ALLOWED
 COLOR: WHITE



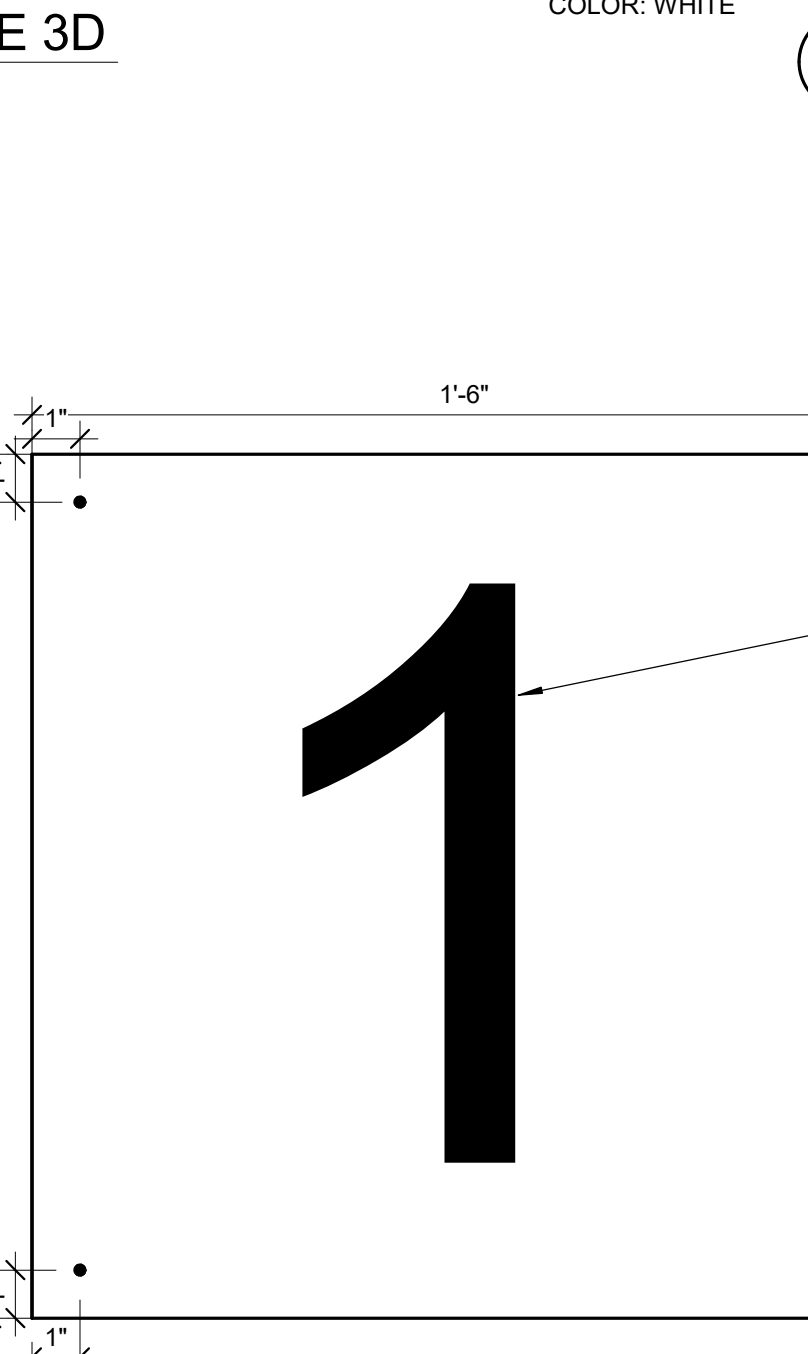
GRAPHIC COLOR: WHITE
 BACKGROUND COLOR: MAROON
 FRAME COLOR: WHITE
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 RAISED PERMANENT TEXT 1/32" CENTERED IN SPACE ALLOWED
 COLOR: MAROON
 TEXT: BRAILLE CENTERED IN SPACE ALLOWED
 COLOR: WHITE



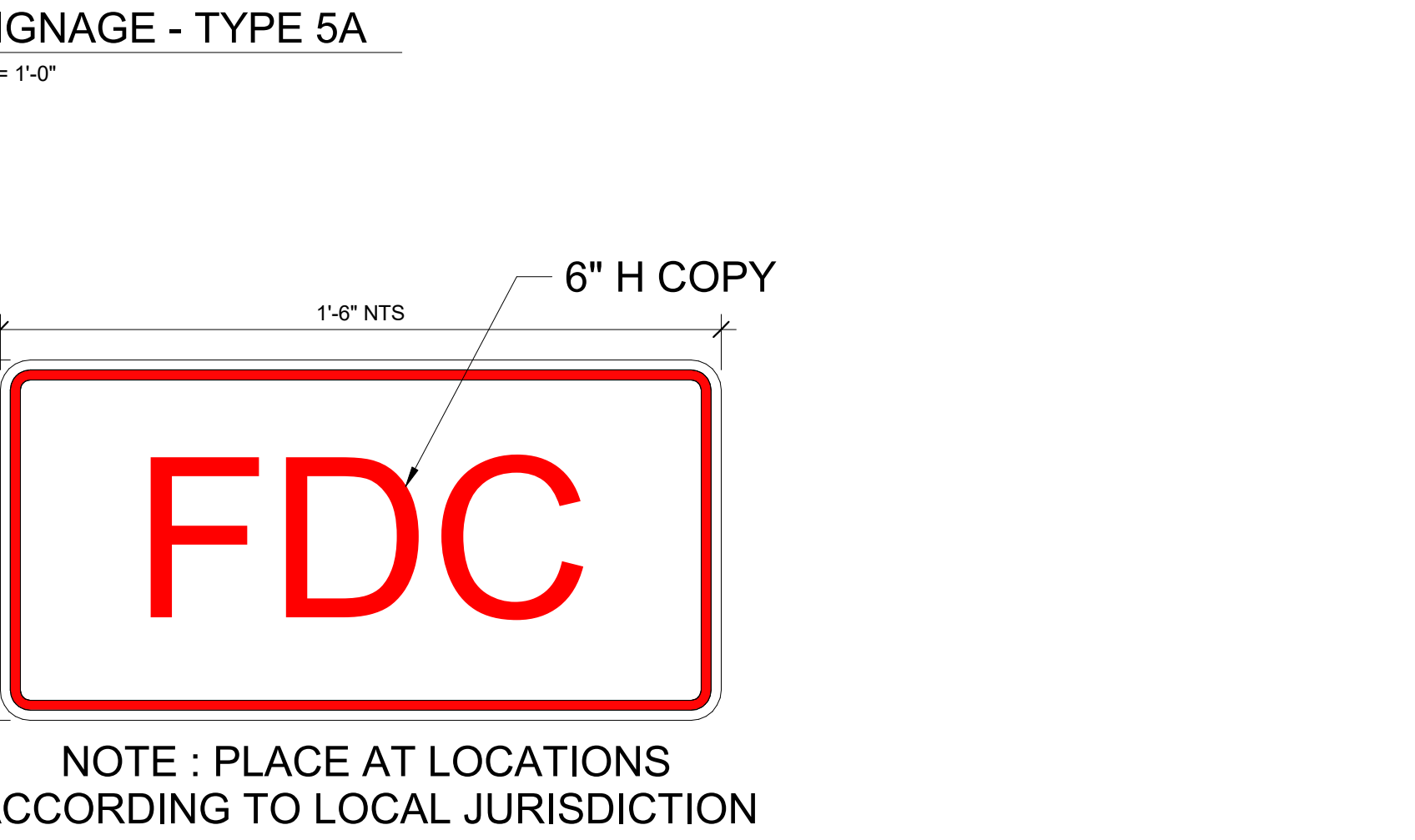
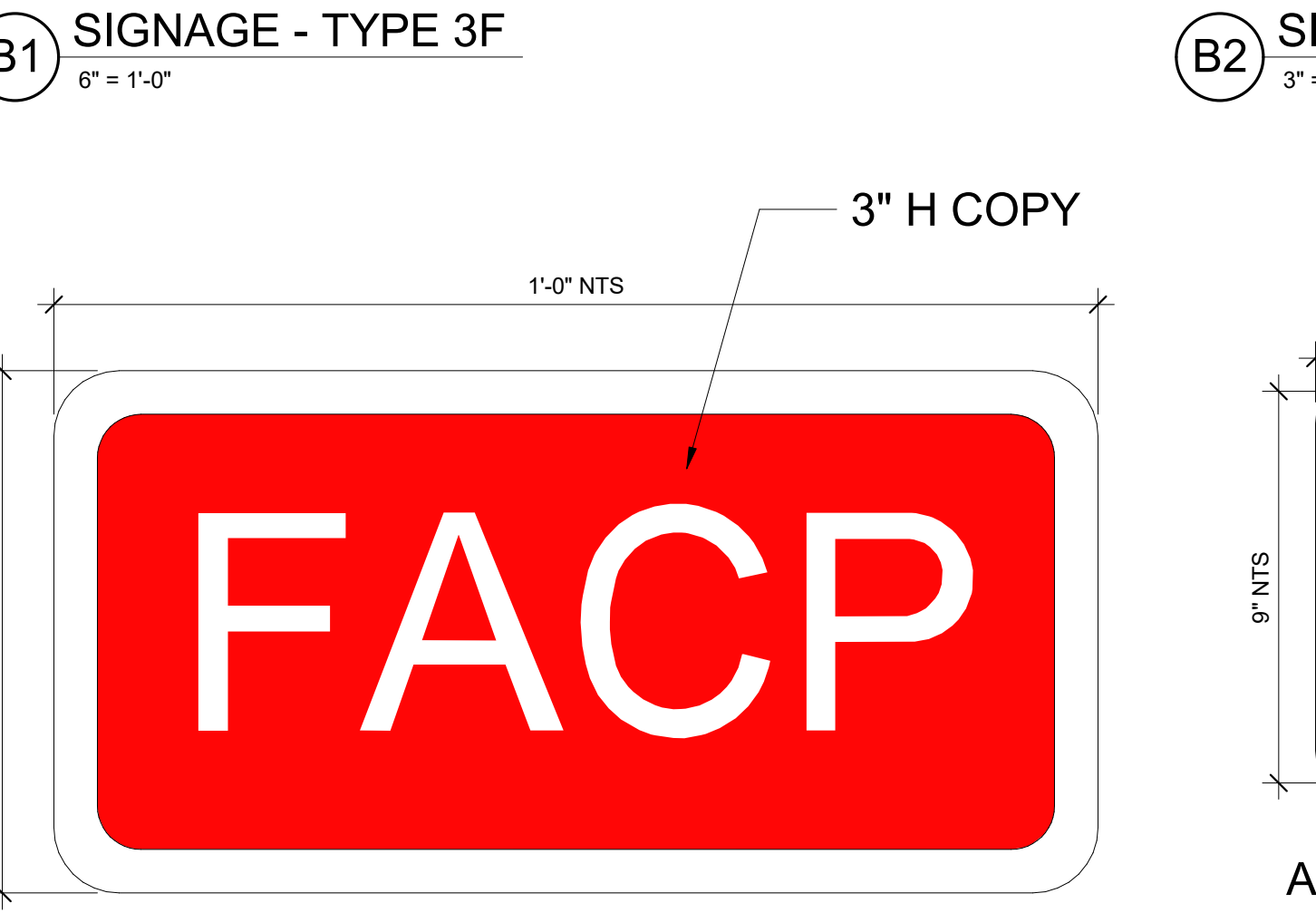
7/8" LETTERS - BLACK
 BORDER - BLACK
 1/2" LETTERS - BLACK



1-1/4" LETTERS - BLACK
 7/8" LETTERS - BLACK
 BORDER - BLACK
 1/2" LETTERS - BLACK



TEXT: RAISED 1/32" COLOR: WHITE
 BACKGROUND COLOR: MAROON

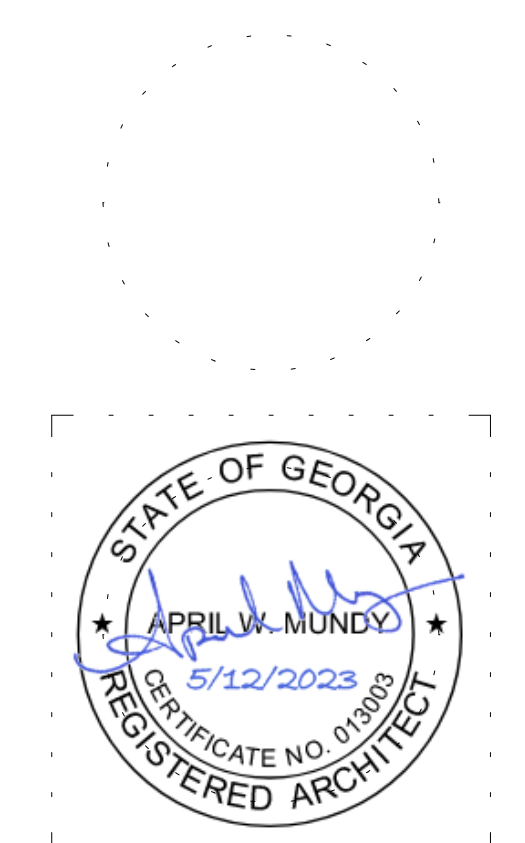


NOTE: PLACE AT LOCATIONS ACCORDING TO LOCAL JURISDICTION



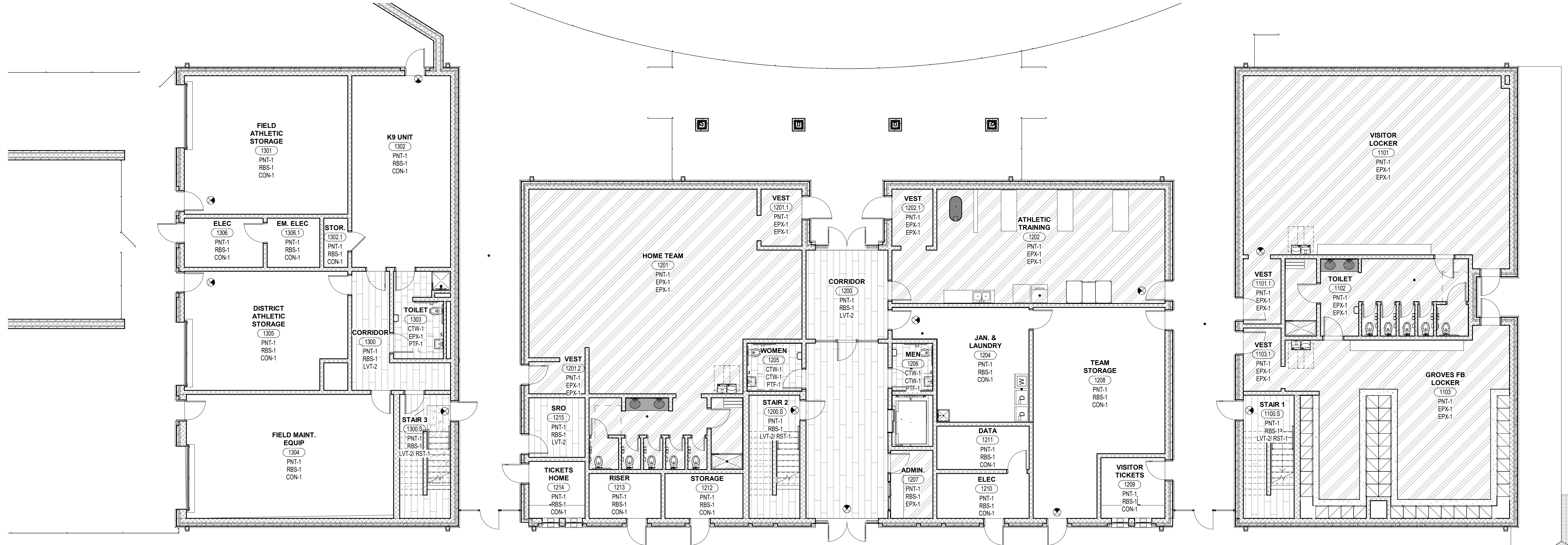
NOTE: PLACE AT EXTERIOR DOOR PUMP ROOM

SIGNAGE SCHEDULE	
SIGN TYPE	LOCATION
TYPE 1A	TO BE PLACED AT ALL PERMANENT ROOMS
TYPE 1B	TO BE PLACED AT ALL OFFICES
TYPE 1C	TO BE PLACED IN ALL OFFICES AND GENERAL SPACES
TYPE 2A	TO BE PLACED AT ALL WOMEN'S TOILETS
TYPE 2C	TO BE PLACED AT ALL MEN'S TOILETS
TYPE 2E	TO BE PLACED AT ALL GENDER NEUTRAL TOILETS
TYPE 3A	TO BE PLACED AT ALL FIRE ALARM PULL STATIONS. SEE ELECTRICAL DRAWINGS
TYPE 3B	TO BE PLACED AT ALL FIRE EXTINGUISHERS AS NOTED ON THE LIFE SAFETY PLANS
TYPE 3C	TO BE PLACED AT ALL EXIT DOORS AS NOTED ON THE LIFE SAFETY PLANS
TYPE 3D	TO BE PLACED AT ALL ELEVATORS
TYPE 3E	TO BE PLACED AT ALL ELEVATORS
TYPE 3F	TO BE PLACED AT ALL STAIR DOORS
TYPE 5A	TO BE PLACED AT ALL MAIN ENTRANCE
TYPE 5B	TO BE PLACED AT MAIN ENTRANCE
TYPE 6A	TO BE PLACED AT EXTERIOR DOOR TO PUMP ROOM
TYPE 6B	TO BE PLACED AT ALL LOCATIONS ACCORDING TO LOCAL JURISDICTION
TYPE 6D	TO BE PLACED AT ALL LOCATIONS ACCORDING TO LOCAL JURISDICTION
TYPE 7A	TO BE PLACED ON EXTERIOR OF BUILDING ACCORDING TO LOCAL JURISDICTIONS



REVISIONS:

No.	Description	Date
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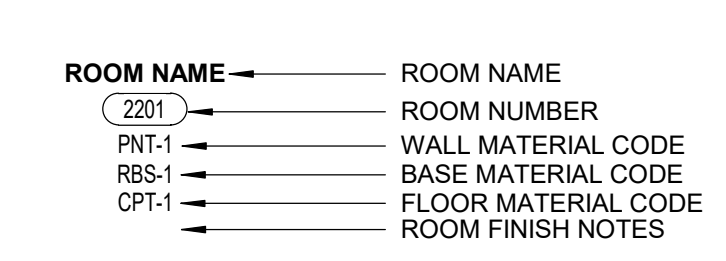


B1 FIRST FLOOR FINISH PLAN
1/8" = 1'-0"

ROOM FINISH PLAN SHEET NOTES

- PRIOR TO INSTALLATION AND FABRICATION, CONTRACTOR SHALL COORDINATE WITH ARCHITECT AND INTERIOR DESIGNER TO REVIEW ALL FLOOR PATTERNS, FINISHES AND DOCUMENTATION INFORMATION.
- PRIOR TO PAINTING, PAINTING CONTRACTOR SHALL SUBMIT TO ARCHITECT/INTERIOR DESIGNER EACH PAINT COLOR FINISH ON A 9 1/2" X 11" SHEET OF CHIPBOARD FOR PRELIMINARY APPROVAL. FOR FINAL APPROVAL BY OWNER AND ARCHITECT PRIOR TO PAINTING, THE PAINTING CONTRACTOR SHALL PAINT EACH PAINT COLOR WITH THE DESIGNATED FINISH ON A 4' X 4' PIECE OF GYPSUM BOARD. SAMPLE BOARDS SHALL BE REVIEWED AND APPROVED AT THE JOB SITE WITH THE APPROPRIATE LIGHTING.
- INSTALLERS OF EACH FINISH MATERIAL SHALL INSPECT BOTH THE SUBSTRATE AND CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. INSTALLER SHALL NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN AN ACCEPTABLE MANNER TO ALL PARTIES AND MEET ALL MANUFACTURER'S REQUIREMENTS.
- ALL INTERIOR FINISHES SHALL COMPLY WITH SECTION 803 OF RESTRICTIONS OF COMBUSTIBLE MATERIALS OF THE INTERNATIONAL BUILDING CODE. ALL INTERIOR FINISHES SHALL BE CLASS B OR BETTER.
- THE INTENT IS TO PROVIDE A COMPLETE FINISHED INTERIOR WHETHER OR NOT SPECIFICALLY INDICATED. ITEMS SHALL BE FINISHED AND/OR PAINTED AS DIRECTED BY DESIGNER, WHETHER OR NOT SPECIFICALLY SCHEDULED OR INDICATED ON DRAWINGS.
- TILE SUBCONTRACTOR SHALL USE LATEX ADDITIVE IN SETTING BED PER MANUFACTURER'S RECOMMENDATIONS UNLESS OTHERWISE NOTED.
- INSTALL ALL VINYL COMPOSITION TILE IN THE SAME DIRECTION UNLESS OTHERWISE NOTED.
- CARPET INSTALLER SHALL SUBMIT SEAMING SHOP DRAWING FOR ALL AREAS SPECIFIED TO RECEIVE CARPET FLOORING PRIOR TO COMMENCEMENT OF WORK.
- PAINT ALL EXPOSED AND SEMI-EXPOSED WOOD BLOCKING AND METAL SUPPORTS TO MATCH ADJACENT SURFACES. COORDINATE WITH INTERIOR DESIGNER.
- PAINTED FINISH ON METAL SURFACES SHALL BE SMOOTH, CLEAR AND FREE OF ALL BRUSH MARKS.
- ADHESIVE FOR WALL COVERING SHALL BE STRIPPABLE, MILDEW RESISTANT AND NON-STAINING PER MANUFACTURER'S REQUIREMENTS.
- ALL WALL COVERING SHALL BE WRAPPED AT LEAST 2" AROUND OUTSIDE CORNERS. MATCH ALL PATTERN AT SEAMS.
- WHERE WOOD BASE IS SPECIFIED, CAULK AT TOP OF BASE AND WALL WITH COLORED CAULK TO MATCH WOOD STAIN.
- INSTALL TRANSITION STRIP AT THRESHOLD WHERE DIFFERING FLOORING MATERIALS ABUTT, UNLESS OTHERWISE NOTED. COORDINATE COLOR/FINISH WITH DESIGNER.
- PAINT METAL WALL-MOUNTED ACCESS DOORS, GRILLES, RETURN AIR GRILLES, COVER PLATES, FAN COIL UNITS, FIRE EQUIPMENT CABINETS, AND ELECTRICAL CABINETS TO MATCH ADJACENT SURFACE UNLESS OTHERWISE NOTED.
- ALL FLOOR FINISH CHANGES SHALL OCCUR AT THE CENTER LINE OF CLOSED DOORS.
- FLOOR PATTERN TO CONTINUE UNDER ALL OPEN WOODWORK WORKSURFACES.
- FLOORING CONTRACTOR SHALL MAKE ADJUSTMENTS TO ACCOMMODATE FOR ANY DIFFERENCES IN THE PILE HEIGHT OF THE CARPET.
- PRIOR TO ORDERING, SUB-CONTRACTORS FOR FLOORING, PAINTING, AND MILLWORK SHALL SUBMIT TO ARCHITECT/INTERIOR DESIGNER AN 8" X 8" SAMPLE OF EACH MATERIAL SPECIFIED FOR FINAL APPROVAL.
- IF ANY DISCREPANCIES OR OMISSIONS ARE NOTED IN THESE DRAWINGS, CONTACT INTERIOR DESIGNER OR ARCHITECT PRIOR TO ORDERING OR COMMENCING WORK.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON FINISHES IN ORDER TO AVOID DELAYING WORK.
- ALIGN GROUT JOINTS AT FLOOR, BASE, AND WALL TILE. TILE INSTALLER TO USE RAIMONDI BREAKAWAY LEVELING SYSTEM CLIPS & WEDGES OR EQUAL. INSTALLER TO USE PROPER LEVELING SPACERS IN ORDER TO OBTAIN GROUT JOINT SIZE SPECIFIED BY ARCHITECT OR INTERIOR DESIGNER.

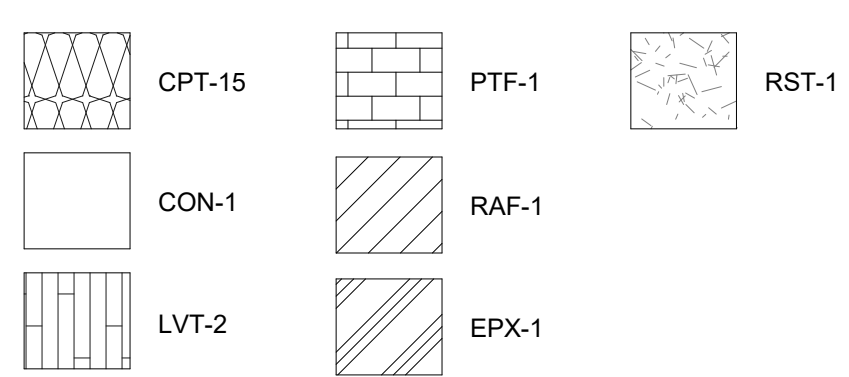
ROOM FINISH TAG LEGEND



ROOM FINISH NOTES

- EXAMPLE NOTE: PROVIDE TWO 4X8 MARKERBOARDS ON NORTH WALL
- EXAMPLE NOTE: MIRRORS ON SOUTH WALL

FINISH KEY



MATERIAL CODE LEGEND

AWP	ACOUSTICAL WRAPPED PANEL	PTB	PORCELAIN TILE BASE
CCS	COLORLED CONCRETE SURFACE	PTF	PORCELAIN TILE FLOORING
CHD	COLORED CONCRETE SURFACE	PTW	PORCELAIN TILE WALL
CKT	COLORED LIQUID HARDENER	PWB	PAINTED WALL BASE
CON	CONCRETE	RBS	RUBBER BASE
CPT	CARPET	RBT	RUBBER TILE
CRT	ACOUSTICAL CURTAIN	RTF	RESILIENT TILE FLOORING
CSL	CONCRETE SEALER	SCN	SEALED CONCRETE
CTB	CERAMIC TILE BASE	SDT	STATIC DISSIPATIVE TILE
CTW	CERAMIC TILE WALL	SHV	SHEET VINYL
EPX	EPOXY FLOORING	SPF	SPORTS FLOORING
ETR	EXISTING TO REMAIN	SSP	STAINLESS STEEL PANEL
FWC	FABRIC WALLCOVERING	STC	STAMPED CONCRETE
GTW	GROUT FLOORING	STF	PERFORMANCE STAGE FLOORING
GTV	GLASS TILE WALL	STN	STONE COUNTER
LIN	LINOLEUM	TBD	TO BE DETERMINED
MCC	MULTI-COLORED COATING	TZZ	TERRAZZO BASE
MEL	MELAMINE	TZZ	TERRAZZO FLOORING
MPW	METAL PANEL WALL	VCT	VINYL COMPOSITION TILE
PLM	PLASTIC LAMINATE	VPF	VINYL PLANK FLOORING
PNC	PAINTED CONCRETE	WVC	VINYL WALLCOVERING
PNT	PAINT	WDB	WOOD BASE
		WDF	WOOD FLOORING

PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: Author
CHECKED BY: AWM

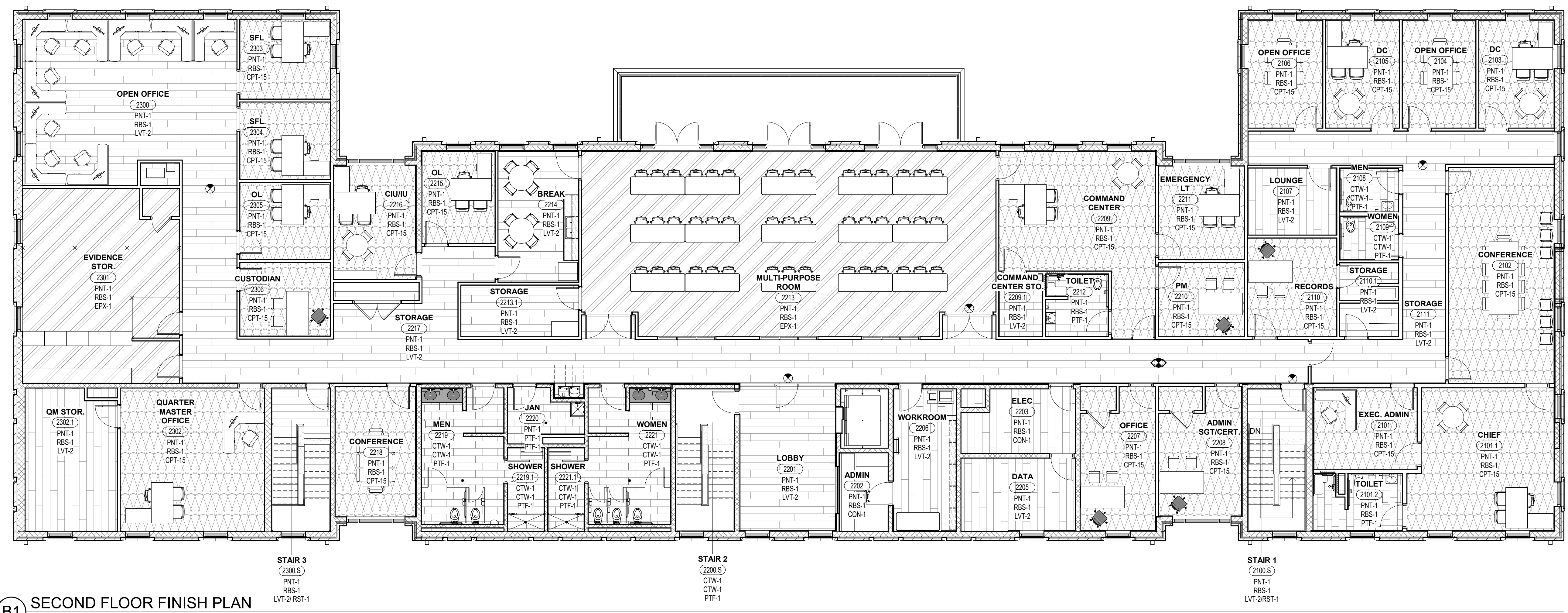
1ST FLOOR FINISH PLAN

A-701

BIN: 360/5201-192070_SCPSS_NEW_K-12_ATHLETIC_ARCH_GrovesAthleticFields_Fieldhouse_NEW.rvt 5/29/2023 11:05:35 AM

REVISIONS:

No.	Description	Date



B1 SECOND FLOOR FINISH PLAN
1/8" = 1'-0"

ROOM FINISH PLAN SHEET NOTES

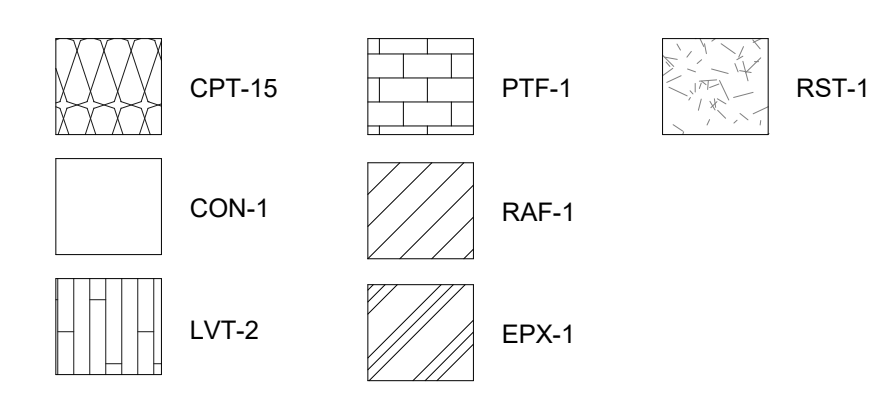
- PRIOR TO INSTALLATION AND FABRICATION, CONTRACTOR SHALL COORDINATE WITH ARCHITECT AND INTERIOR DESIGNER TO REVIEW ALL FLOOR PATTERNS, FINISHES AND DOCUMENTATION INFORMATION.
- PRIOR TO PAINTING, PAINTING CONTRACTOR SHALL SUBMIT TO ARCHITECT/INTERIOR DESIGNER EACH PAINT COLOR FINISH ON A 8 1/2" X 11" SHEET OF CHIPBOARD FOR PRELIMINARY APPROVAL. FOR FINAL APPROVAL BY OWNER AND ARCHITECT PRIOR TO PAINTING, THE PAINTING CONTRACTOR SHALL PAINT EACH PAINT COLOR WITH THE DESIGNATED FINISH ON A 4' X 4' PIECE OF GYPSUM BOARD. SAMPLE BOARDS SHALL BE REVIEWED AND APPROVED AT THE JOB SITE WITH THE APPROPRIATE LIGHTING.
- INSTALLERS OF EACH FINISH MATERIAL SHALL INSPECT BOTH THE SUBSTRATE AND CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. INSTALLER SHALL NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN AN ACCEPTABLE MANNER TO ALL PARTIES AND MEET ALL MANUFACTURER'S REQUIREMENTS.
- ALL INTERIOR FINISHES SHALL COMPLY WITH SECTION 803 OF RESTRICTIONS OF COMBUSTIBLE MATERIALS OF THE INTERNATIONAL BUILDING CODE. ALL INTERIOR FINISHES SHALL BE CLASS B OR BETTER.
- THE INTENT IS TO PROVIDE A COMPLETE FINISHED INTERIOR WHETHER OR NOT SPECIFICALLY INDICATED. ITEMS SHALL BE FINISHED AND/OR PAINTED AS DIRECTED BY DESIGNER, WHETHER OR NOT SPECIFICALLY SCHEDULED OR INDICATED ON DRAWINGS.
- TILE SUBCONTRACTOR SHALL USE LATEX ADDITIVE IN SETTING BED PER MANUFACTURER'S RECOMMENDATIONS UNLESS OTHERWISE NOTED.
- INSTALL ALL VINYL COMPOSITION TILE IN THE SAME DIRECTION UNLESS OTHERWISE NOTED.
- CARPET INSTALLER SHALL SUBMIT SEAMING SHOP DRAWING FOR ALL AREAS SPECIFIED TO RECEIVE CARPET FLOORING PRIOR TO COMMENCEMENT OF WORK.
- PAINT ALL EXPOSED AND SEMI-EXPOSED WOOD BLOCKING AND METAL SUPPORTS TO MATCH ADJACENT SURFACES. COORDINATE WITH INTERIOR DESIGNER.
- PAINTED FINISH ON METAL SURFACES SHALL BE SMOOTH, CLEAR AND FREE OF ALL BRUSH MARKS.
- ADHESIVE FOR WALL COVERING SHALL BE STRIPPABLE, MILDEW RESISTANT AND NON-STAINING PER MANUFACTURER'S REQUIREMENTS.
- ALL WALL COVERING SHALL BE WRAPPED AT LEAST 2" AROUND OUTSIDE CORNERS. MATCH ALL PATTERN AT SEAMS.
- WHERE WOOD BASE IS SPECIFIED, CAULK AT TOP OF BASE AND WALL WITH COLORED CAULK TO MATCH WOOD STAIN.
- INSTALL TRANSITION STRIP AT THRESHOLD WHERE DIFFERING FLOORING MATERIALS ABUT, UNLESS OTHERWISE NOTED. COORDINATE COLOR/FINISH WITH DESIGNER.
- PAINT METAL WALL-MOUNTED ACCESS DOORS, GRILLES, RETURN AIR GRILLES, COVER PLATES, FAN COIL UNITS, FIRE EQUIPMENT CABINETS, AND ELECTRICAL CABINETS TO MATCH ADJACENT SURFACE UNLESS OTHERWISE NOTED.
- ALL FLOOR FINISH CHANGES SHALL OCCUR AT THE CENTER LINE OF CLOSED DOORS.
- FLOOR PATTERN TO CONTINUE UNDER ALL OPEN WOODWORK/WORKSURFACES.
- FLOORING CONTRACTOR SHALL MAKE ADJUSTMENTS TO ACCOMMODATE FOR ANY DIFFERENCES IN THE PILE HEIGHT OF THE CARPET.
- PRIOR TO ORDERING, SUB-CONTRACTORS FOR FLOORING, PAINTING, AND MILLWORK SHALL SUBMIT TO ARCHITECT / INTERIOR DESIGNER AN 8" X 8" SAMPLE OF EACH MATERIAL SPECIFIED FOR FINAL APPROVAL.
- IF ANY DISCREPANCIES OR OMISSIONS ARE NOTED IN THESE DRAWINGS, CONTACT INTERIOR DESIGNER OR ARCHITECT PRIOR TO ORDERING OR COMMENCING WORK.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON FINISHES IN ORDER TO AVOID DELAYING WORK.
- ALIGN GROUT JOINTS AT FLOOR, BASE, AND WALL TILE. TILE INSTALLER TO USE RAIMONDI BREAKAWAY LEVELING SYSTEM CLIPS & WEDGES OR EQUAL. INSTALLER TO USE PROPER LEVELING SPACERS IN ORDER TO OBTAIN GROUT JOINT SIZE SPECIFIED BY ARCHITECT OR INTERIOR DESIGNER.

ROOM FINISH TAG LEGEND

- ROOM NAME — ROOM NUMBER
- (2201) — ROOM NUMBER
- PNT-1 — WALL MATERIAL CODE
- RBS-1 — BASE MATERIAL CODE
- CPT-1 — FLOOR MATERIAL CODE
- ROOM FINISH NOTES

- EXAMPLE NOTE: PROVIDE TWO 4X8 MARKERBOARDS ON NORTH WALL
- EXAMPLE NOTE: MIRRORS ON SOUTH WALL

FINISH KEY



MATERIAL CODE LEGEND

AWP	ACOUSTICAL WRAPPED PANEL	PTB	PORCELAIN TILE BASE
CCS	COLORLED CONCRETE SURFACE	PTF	PORCELAIN TILE FLOORING
CHD	COLORED CONCRETE LIQUID HARDENER	PW	PAINTED WALL BASE
CKT	COOK TILE	PWB	PAINTED WALL BASE
CON	CONCRETE	RBS	RUBBER BASE
CPT	CONCRETE	RBT	RUBBER TILE
CRT	ACOUSTICAL CURTAIN	RFT	RESILIENT TILE FLOORING
CSL	CONCRETE SEALER	SCN	SEALED CONCRETE
CTB	CERAMIC TILE BASE	SDT	STATIC DISSIPATIVE TILE
CTW	CERAMIC TILE WALL	SHV	SHEET VINYL
EPX	EPOXY FLOORING	SPF	SPORTS FLOORING
ETR	EXISTING TO REMAIN	SSP	STAINLESS STEEL PANEL
FWC	FABRIC WALL COVERING	STC	STAMPED CONCRETE
GTF	GROUT FLOORING	STF	PERFORMANCE STAGE FLOORING
GTW	GLASS TILE WALL	STN	STONE COUNTER
LIN	LINOLEUM	TBD	TO BE DETERMINED
MCC	MULTI-COLORED COATING	TZB	TERRAZZO BASE
MEL	MELAMINE	TZZ	TERRAZZO FLOORING
MPW	METAL PANEL WALL	VCT	VINYL COMPOSITION TILE
PLM	PLASTIC LAMINATE	VVF	VINYL PLANK FLOORING
PNC	PAINTED CONCRETE	WVC	VINYL WALLCOVERING
PNT	PANT	WDB	WOOD BASE
		WDF	WOOD FLOORING

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**2ND FLOOR
FINISH PLAN**

A-702



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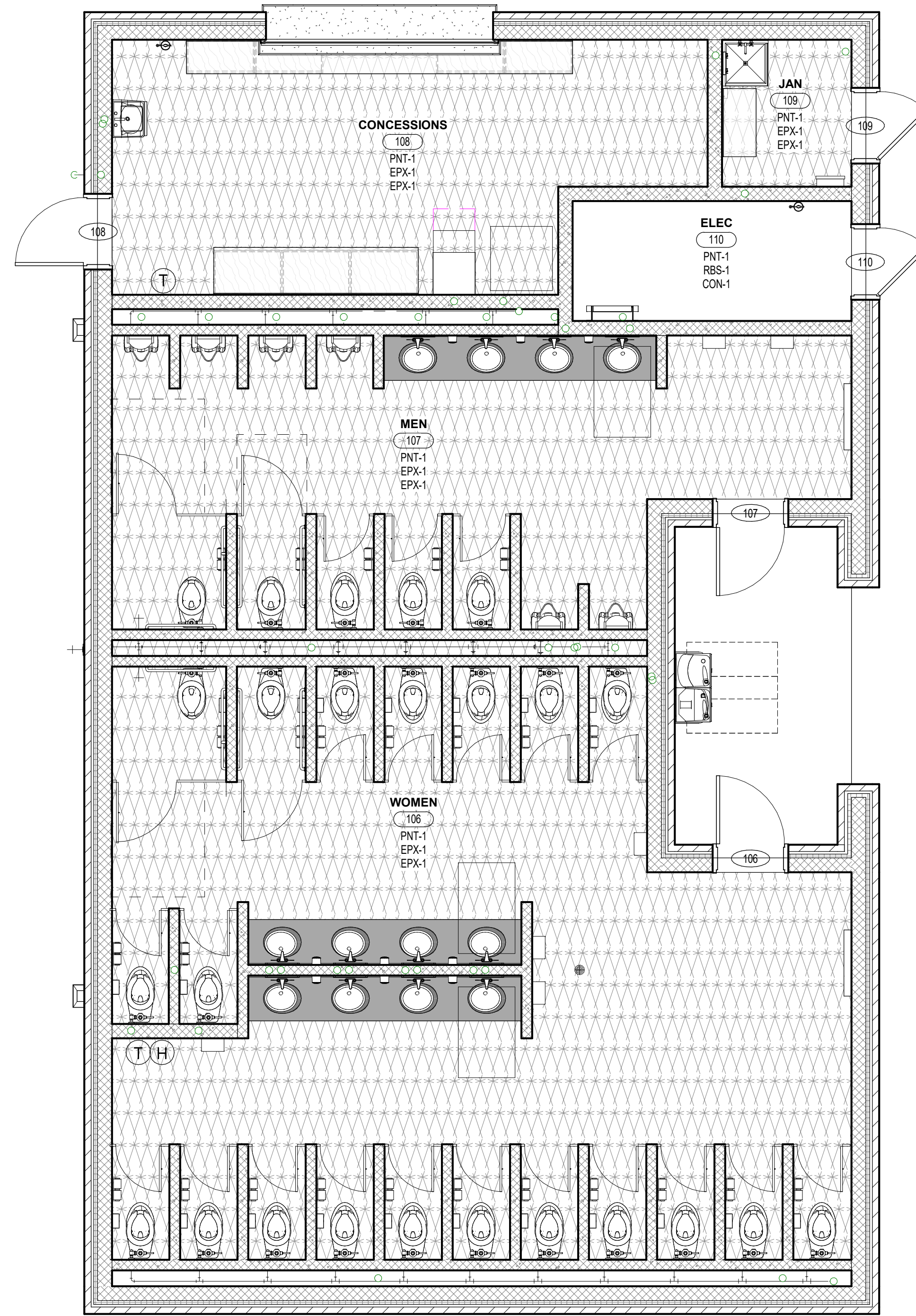
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No.	Description	Date

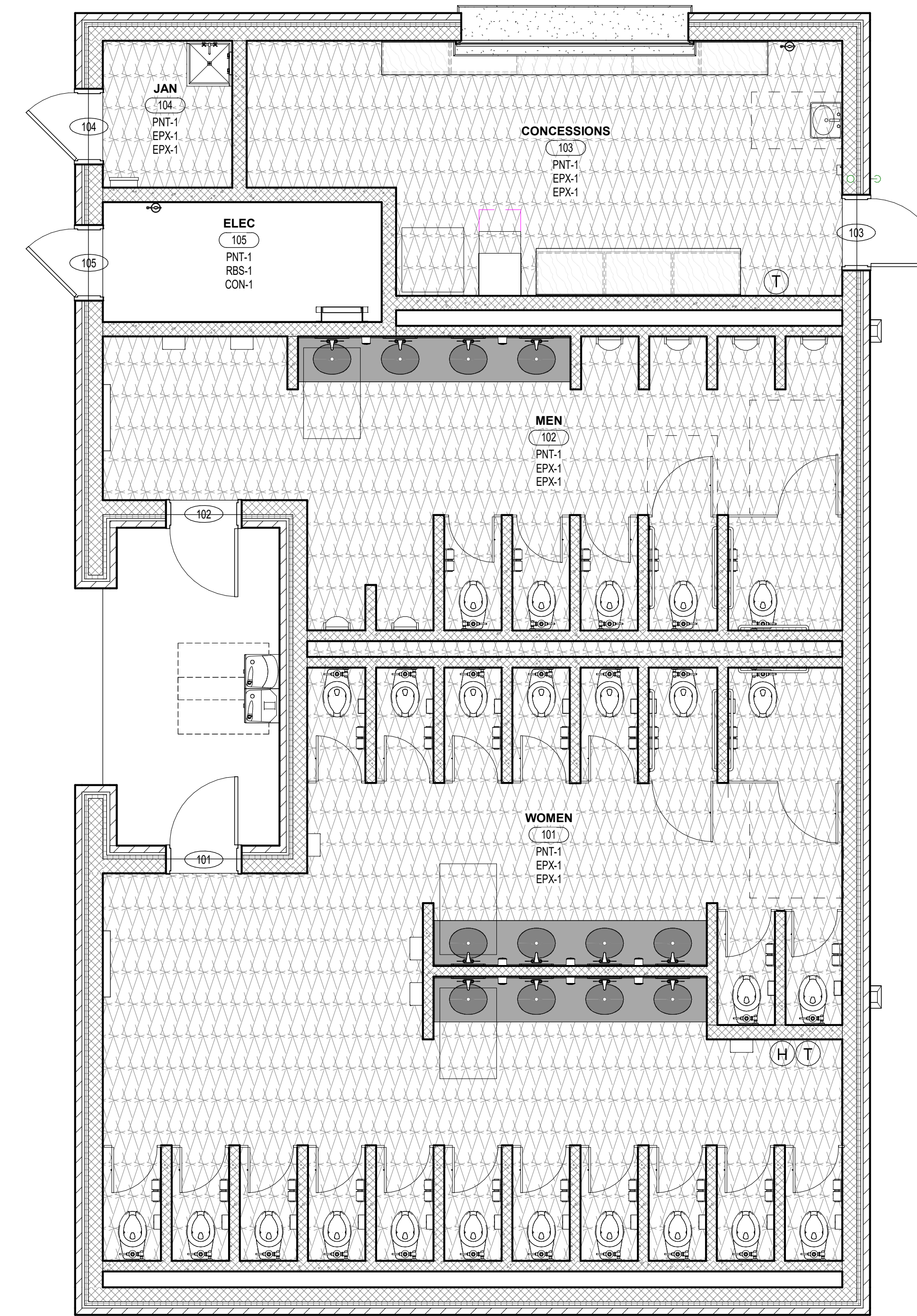
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DATE: 05/12/2023
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CHECKED BY: AWM

1ST FLOOR
FINISH PLAN -
RESTROOM /
CONCESSIONS

A-703



B1 FINISH PLAN_1ST FLOOR RESTROOMS/CONCESSIONS - HOME
1/4" = 1'-0"



B2 FINISH PLAN_1ST FLOOR RESTROOMS/CONCESSIONS - AWAY
1/4" = 1'-0"

ROOM FINISH PLAN SHEET NOTES

- PRIOR TO INSTALLATION AND FABRICATION, CONTRACTOR SHALL COORDINATE WITH ARCHITECT AND INTERIOR DESIGNER TO REVIEW ALL FLOOR PATTERNS, FINISHES AND DOCUMENTATION INFORMATION.
- PRIOR TO PAINTING, PAINTING CONTRACTOR SHALL SUBMIT TO ARCHITECT/INTERIOR DESIGNER EACH PAINT COLOR FINISH ON A 8 1/2" X 11" SHEET OF CHIPBOARD FOR PRELIMINARY APPROVAL. FOR FINAL APPROVAL BY OWNER AND ARCHITECT PRIOR TO PAINTING, THE PAINTING CONTRACTOR SHALL PAINT EACH PAINT COLOR WITH THE DESIGNATED FINISH ON A 4' X 4' PIECE OF GYPSUM BOARD. SAMPLE BOARDS SHALL BE REVIEWED AND APPROVED AT THE JOB SITE WITH THE APPROPRIATE LIGHTING.
- INSTALLERS OF EACH FINISH MATERIAL SHALL INSPECT BOTH THE SUBSTRATE AND CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. INSTALLER SHALL NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN AN ACCEPTABLE MANNER TO ALL PARTIES AND MEET ALL MANUFACTURER'S REQUIREMENTS.
- ALL INTERIOR FINISHES SHALL COMPLY WITH SECTION 803 OF RESTRICTIONS OF COMBUSTIBLE MATERIALS OF THE INTERNATIONAL BUILDING CODE. ALL INTERIOR FINISHES SHALL BE CLASS B OR BETTER.
- THE INTENT IS TO PROVIDE A COMPLETE FINISHED INTERIOR WHETHER OR NOT SPECIFICALLY INDICATED. ITEMS SHALL BE FINISHED AND/OR PAINTED AS DIRECTED BY DESIGNER, WHETHER OR NOT SPECIFICALLY SCHEDULED OR INDICATED ON DRAWINGS.
- TILE SUBCONTRACTOR SHALL USE LATEX ADDITIVE IN SETTING BED PER MANUFACTURER'S RECOMMENDATIONS UNLESS OTHERWISE NOTED.
- INSTALL ALL VINYL COMPOSITION TILE IN THE SAME DIRECTION UNLESS OTHERWISE NOTED.
- CARPET INSTALLER SHALL SUBMIT SEAMING SHOP DRAWING FOR ALL AREAS SPECIFIED TO RECEIVE CARPET FLOORING PRIOR TO COMMENCEMENT OF WORK.
- PAINT ALL EXPOSED AND SEMI-EXPOSED WOOD BLOCKING AND METAL SUPPORTS TO MATCH ADJACENT SURFACES. COORDINATE WITH INTERIOR DESIGNER.
- PAINTED FINISH ON METAL SURFACES SHALL BE SMOOTH, CLEAR AND FREE OF ALL BRUSH MARKS.
- ADHESIVE FOR WALL COVERING SHALL BE STRIPPABLE, MILDEW RESISTANT AND NON-STAINING PER MANUFACTURER'S REQUIREMENTS.
- ALL WALL COVERING SHALL BE WRAPPED AT LEAST 2" AROUND OUTSIDE CORNERS. MATCH ALL PATTERN AT SEAMS.
- WHERE WOOD BASE IS SPECIFIED, CAULK AT TOP OF BASE AND WALL WITH COLORED CAULK TO MATCH WOOD STAIN.
- INSTALL TRANSITION STRIP AT THRESHOLD WHERE DIFFERING FLOORING MATERIALS ABUTT, UNLESS OTHERWISE NOTED. COORDINATE COLOR/FINISH WITH DESIGNER.
- PAINT METAL WALL-MOUNTED ACCESS DOORS, GRILLES, RETURN AIR GRILLES, COVER PLATES, FAN COIL UNITS, FIRE EQUIPMENT CABINETS, AND ELECTRICAL CABINETS TO MATCH ADJACENT SURFACE UNLESS OTHERWISE NOTED.
- ALL FLOOR FINISH CHANGES SHALL OCCUR AT THE CENTER LINE OF CLOSED DOORS.
- FLOOR PATTERN TO CONTINUE UNDER ALL OPEN WOODWORK/WORKSURFACES.
- FLOORING CONTRACTOR SHALL MAKE ADJUSTMENTS TO ACCOMMODATE FOR ANY DIFFERENCES IN THE PILE HEIGHT OF THE CARPET.
- PRIOR TO ORDERING, SUB-CONTRACTORS FOR FLOORING, PAINTING, AND MILLWORK SHALL SUBMIT TO ARCHITECT / INTERIOR DESIGNER AN 8" X 8" SAMPLE OF EACH MATERIAL SPECIFIED FOR FINAL APPROVAL.
- IF ANY DISCREPANCIES OR OMISSIONS ARE NOTED IN THESE DRAWINGS, CONTACT INTERIOR DESIGNER OR ARCHITECT PRIOR TO ORDERING OR COMMENCING WORK.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK LEAD TIMES ON FINISHES IN ORDER TO AVOID DELAYING WORK.
- ALIGN GROUT JOINTS AT FLOOR, BASE, AND WALL TILE. TILE INSTALLER TO USE RAIMONDI BREAKAWAY LEVELING SYSTEM CLIPS & WEDGES OR EQUAL. INSTALLER TO USE PROPER LEVELING SPACERS IN ORDER TO OBTAIN GROUT JOINT SIZE SPECIFIED BY ARCHITECT OR INTERIOR DESIGNER.

ROOM FINISH TAG LEGEND

ROOM NAME	ROOM NUMBER	WALL MATERIAL CODE	BASE MATERIAL CODE	FLOOR MATERIAL CODE	ROOM FINISH NOTES
207	106	PNT-1	RBS-1	CPT-1	

ROOM FINISH NOTES

- EXAMPLE NOTE: PROVIDE TWO 4X8 MARKERBOARDS ON NORTH WALL
- EXAMPLE NOTE: MIRRORS ON SOUTH WALL

FINISH KEY

CPT-15	PTF-1	RST-1
CON-1	RAF-1	
LVT-2	EPX-1	

MATERIAL CODE LEGEND

AWP	ACOUSTICAL WRAPPED PANEL	PTB	PORCELAIN TILE BASE
CCS	COLORLED CONCRETE SURFACE	PTF	PORCELAIN TILE FLOORING
CHD	CONCRETE LIQUID HARDENER	PTW	PORCELAIN TILE WALL
CKT	CORK TILE	PWB	PAINTED WALL BASE
CON	CONCRETE	RBS	RUBBER BASE
CPT	CARPET	RBT	RUBBER TILE
CRT	ACOUSTICAL CURTAIN	RTF	RESILIENT TILE FLOORING
CSL	CONCRETE SEALER	SCN	SEALED CONCRETE
CTB	CERAMIC TILE BASE	SDT	STATIC DISSIPATIVE TILE
CTW	CERAMIC TILE WALL	SHV	SHEET VINYL
EPX	EPOXY FLOORING	SPF	SPORTS FLOORING
ETR	EXISTING TO REMAIN	SSP	STAINLESS STEEL PANEL
FWC	FABRIC WALL COVERING	STC	STAMPED CONCRETE
GTF	GROUT FLOORING	STF	PERFORMANCE STAGE FLOORING
GTW	GLASS TILE WALL	STN	STONE COUNTER
LNK	LINOLEUM	TBD	TO BE DETERMINED
MCC	MULTI-COLORED COATING	TZB	TERRAZZO BASE
MEL	MELAMINE	TZZ	TERRAZZO FLOORING
MPW	METAL PANEL WALL	VCT	VINYL COMPOSITION TILE
PLM	PLASTIC LAMINATE	VVF	VINYL PLANK FLOORING
PNC	PAINTED CONCRETE	VWC	VINYL WALLCOVERING
PNT	PAINT	WDB	WOOD BASE
		WDF	WOOD FLOORING

ARCH- MILLWORK- COUNTERTOPS

ROOM NUMBER	TYPE	FAMILY	COUNTERTOP DEPTH		COUNTERTOP LENGTH		WORKSURFACE		BACK AND SIDE SPLASHES						COMMENTS						
			LEG 1	LEG 2	LEG 1	LEG 2	HEIGHT	MATERIAL	THICKNESS	SPLASH MATERIAL	PRESENT	HEIGHT IF PRESENT	BACK SPLASH 1	BACK SPLASH 2		SIDE SPLASH 1	SIDE SPLASH 2	HEIGHT IF PRESENT	HEIGHT IF PRESENT	SINK	
103	CT-2	12-CSWK(GM)-CNTR-11: HC - 25"	2'-1"		8'-1 1/2"		2'-6"	SSM-1	0'-1 1/2"	SSM-1	Yes	0'-4"	Yes	0'-4"	No	0'-4"	No	0'-4"	No	0'-4"	No
108	CT-2	12-CSWK(GM)-CNTR-11: HC - 25"	2'-1"		9'-0"		2'-10"	SSM-1	0'-1 1/2"	SSM-1	Yes	0'-4"	Yes	0'-4"	No	0'-4"	No	0'-4"	No	0'-4"	No
2301.1	CT-3	12-CSWK(GM)-CNTR-21: HC - 25"	2'-1"	2'-1"	15'-0"	2'-1"	2'-10"	SSM-1	0'-1 1/2"	SSM-1	Yes	0'-4"	Yes	0'-4"	No	0'-4"	No	0'-4"	No	0'-4"	No
2206	CT-3	12-CSWK(GM)-CNTR-21: HC - 25"	2'-1"	2'-1"	15'-9"	2'-1"	2'-10"	SSM-1	0'-1 1/2"	SSM-1	Yes	0'-4"	Yes	0'-4"	No	0'-4"	No	0'-4"	No	0'-4"	No
103	CT-4	12-CSWK(GM)-CNTR-11: HC - 18"	1'-6"		17'-0"		2'-10"	SSM-1	0'-1 1/2"	SSM-1	Yes	0'-4"			No	0'-4"	No	0'-4"	No	0'-4"	No
108	CT-4	12-CSWK(GM)-CNTR-11: HC - 18"	1'-6"		17'-0"		2'-10"	SSM-1	0'-1 1/2"	SSM-1	Yes	0'-4"			No	0'-4"	No	0'-4"	No	0'-4"	No

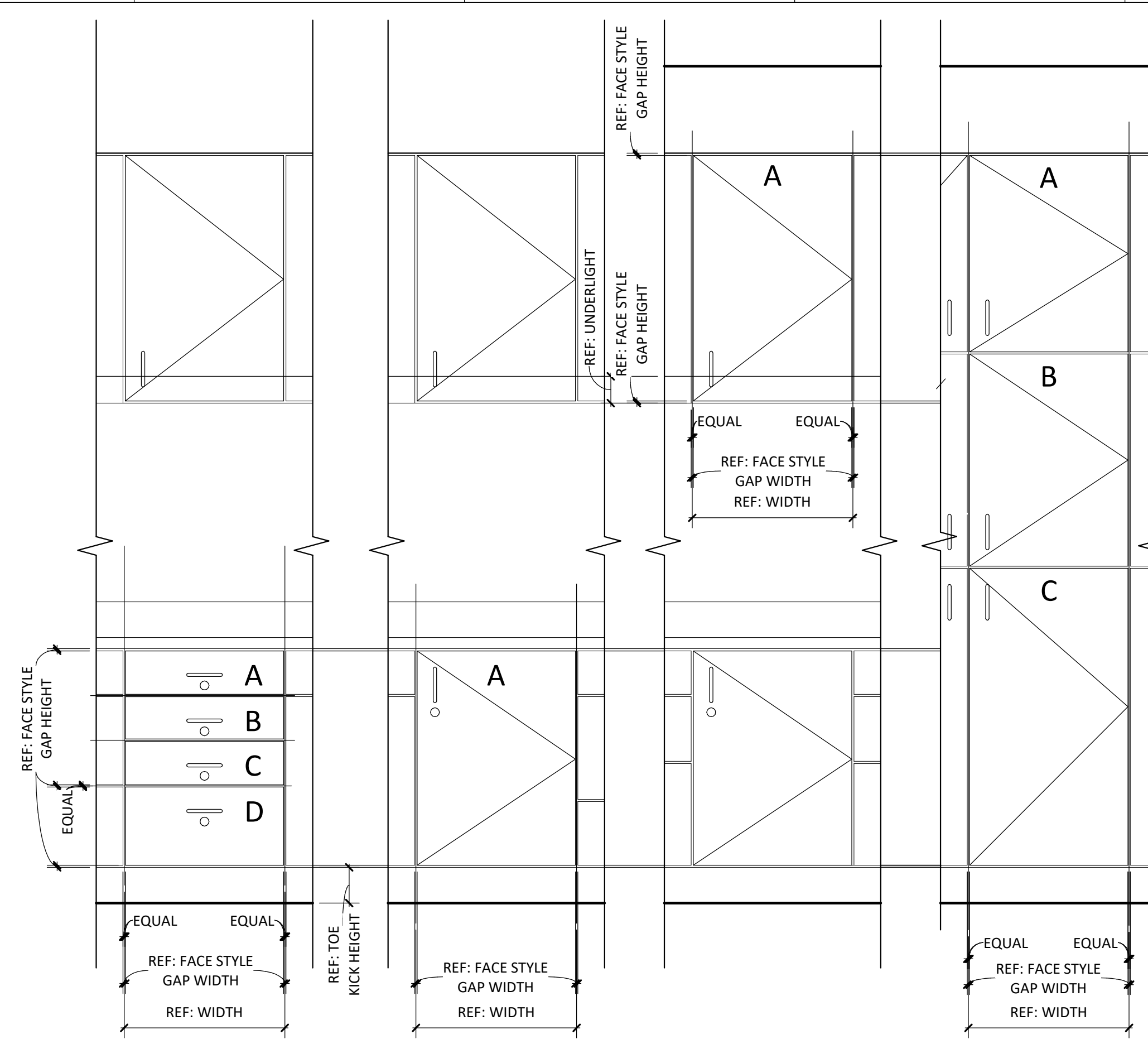
ARCH- MILLWORK- BASE AND FULL HEIGHT

TAG	TYPE	DESCRIPTION	CABINET CARCASS			NOMINAL FEATURE HEIGHT				FACE STYLE GAP DIMS		TOE KICK		BODY MATERIAL	HARDWARE MATERIAL	COMMENTS
			WIDTH	HEIGHT	DEPTH	A	B	C	D	HEIGHT	WIDTH	HEIGHT	DEPTH			
B22	36X32 5X24A	CABINET-BASE: 1 DRAWER, 2 DOOR	36"	32 1/2"	24"	6"	22 1/2"			0'-1"	0'-1"	4"	3"	WS-1		
B24H	36X32 5X24HC	CABINET-BASE: FIXED PANEL, 2 DOOR (HC)	36"	32 1/2"	24"	6"	22 1/2"			0'-1"	0'-1"	4"	3"	WS-1		
B62	36"x34"x18"	CABINET-BASE: OPEN, 1 SHELF	36"	32 1/2"	18"	6"	22 1/2"			0'-1"	0'-1"	4"	3"	WS-1		

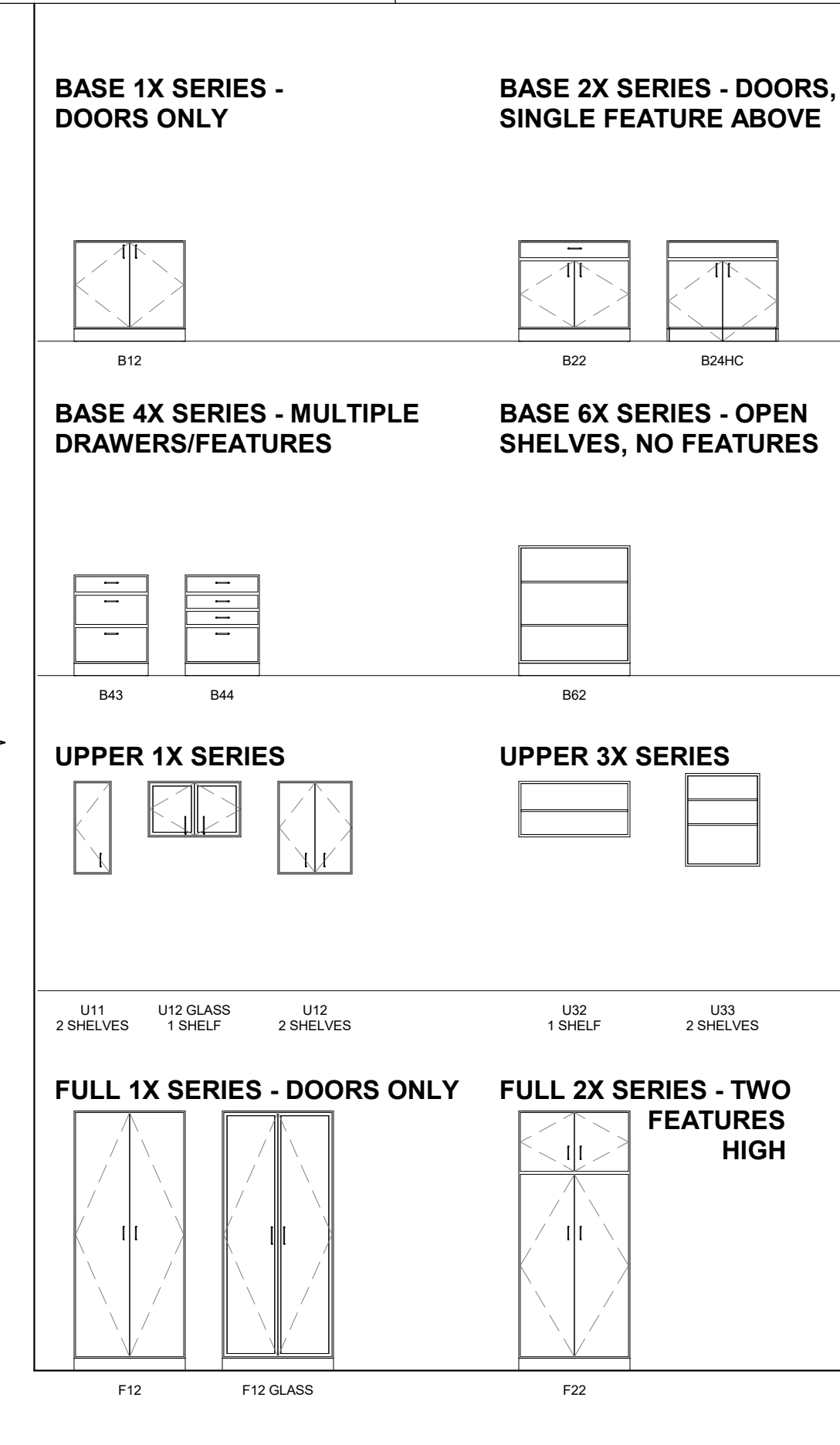
ARCH- MILLWORK- UPPER CABINETS

TAG	TYPE	DESCRIPTION	CABINET CARCASS			NOMINAL FEATURE HEIGHT			FACE STYLE GAP DIMS		UNDERLIGHT	BODY MATERIAL	HARDWARE MATERIAL	COMMENTS
			WIDTH	HEIGHT	DEPTH	A	B	C	HEIGHT	WIDTH				
U12	36X18X12A	CABINET-UPPER: 2 DOOR	36"	18"	12"	18"			0'-1"	0'-1"		WS-1		
U12	36X30X12A	CABINET-UPPER: 2 DOOR	36"	30"	12"	30"			0'-1"	0'-1"		WS-1		

1. WHEN MULTIPLE FEATURES (LETTERS) ARE PRESENT, "A" IS TOP MOST FEATURE. FEATURES ARE LETTERED ALPHANUMERICALLY TOP TO BOTTOM, PER CABINET.
2. FACE STYLE GAP AND WIDTH DIMENSIONS SHOWN IN SCHEDULE AND ELEVATIONS ARE NOMINAL. GAP WIDTHS OF 0" DENOTE FLUSH OVERLAY INTERFACE STYLE (WITH AN ACTUAL APPROXIMATE 1/8" GAP). REFER TO SPECIFICATIONS REGARDING TYPE A TYPE B CONSTRUCTION, AND/OR FLUSH INSET STYLE.
3. MODELED CABINETS AND MILLWORK DETAILS ARE PRESENTED TO CONVEY FEATURE TYPE, SIZE AND SPACING, CABINET SIZE AND SPACING, HARDWARE TYPES, SIZES, AND SPACING. TYPE B CONSTRUCTION WITH FLUSH/REVEAL OVERLAY INTERFACE IS SHOWN FOR REPRESENTATION OF SCHEDULE DIMENSIONS ONLY. REFER TO SPECIFICATIONS FOR MILLWORK CONSTRUCTION TYPES.
4. REFER TO INTERIOR ELEVATIONS FOR MATERIAL TAGS INDICATING EXTERIOR FINISHES. REFER TO SPECIFICATIONS FOR INTERIOR FINISHES.



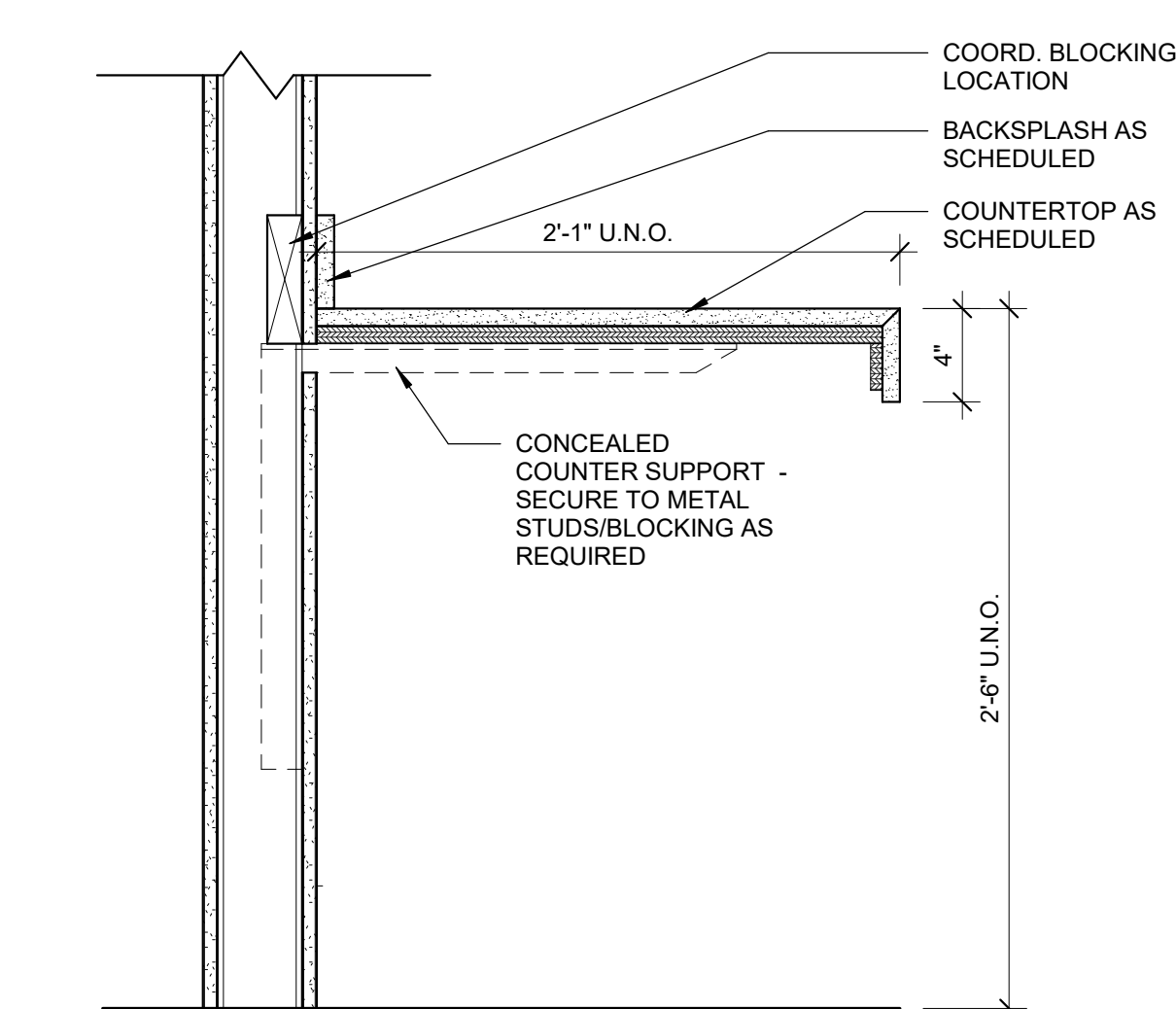
MILLWORK - CABINET FEATURE KEY
1" = 1'-0"



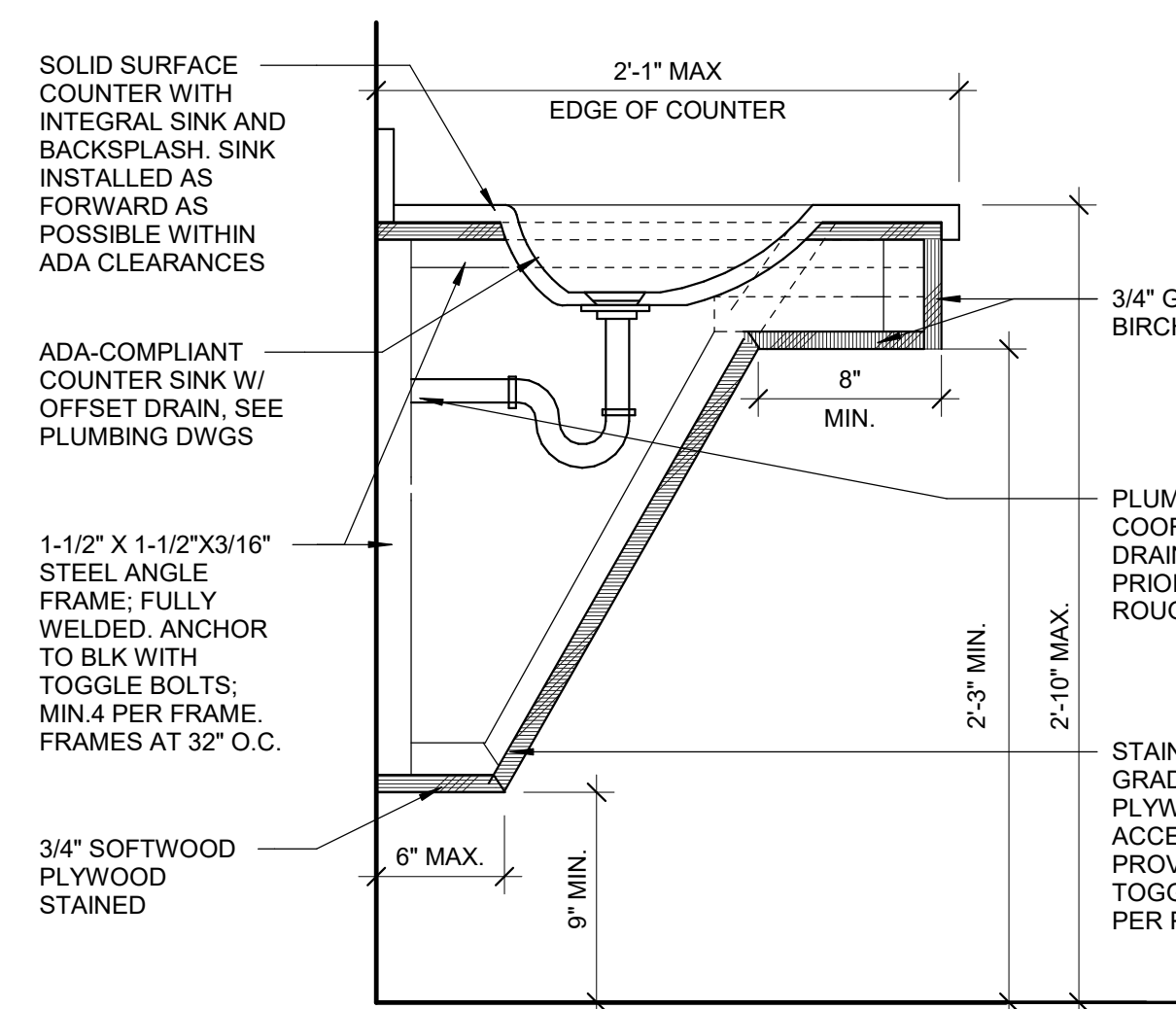
CASEWORK LEGEND
1/4" = 1'-0"

SPECIALTY EQUIPMENT SCHEDULE

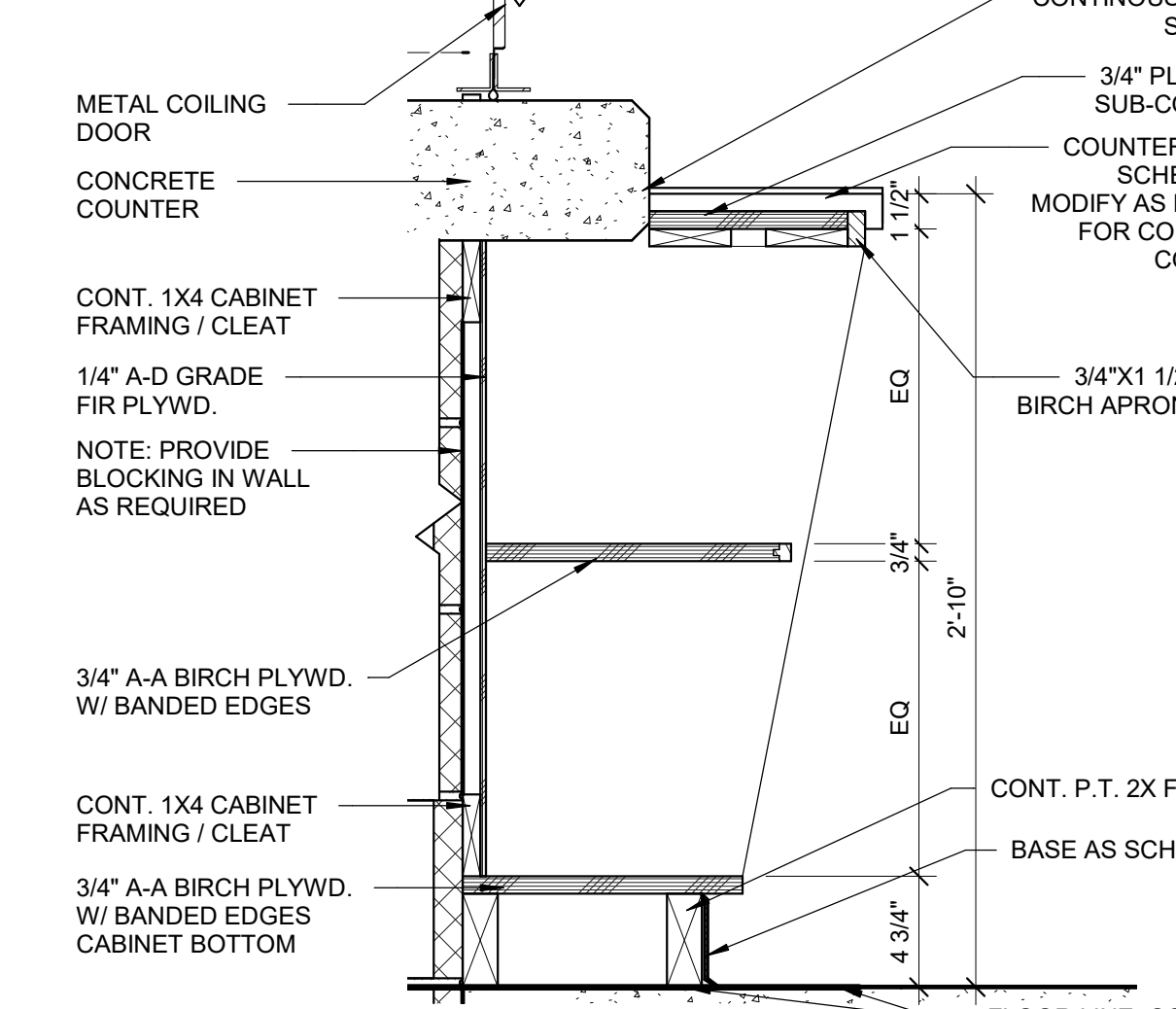
MARK	DESCRIPTION	IN CONTRACT
EHD	ELECTRIC HAND DRYER	YES
GB18	GRAB BAR 18"	YES
GB36	GRAB BAR 36"	YES
GB42	GRAB BAR 42"	YES
IC-2	FLAKED ICE MAKER	YES
MG	MIRROR - GLASS	YES
MM	MIRROR - STAINLESS STEEL	YES
PTD	PAPER TOWEL DISPENSER	NO
PTR	PAPER TOWEL RECEPTACLE	YES
RD	RESIDENTIAL DRYER	YES
RF-1	REFRIGERATOR	YES
RH	ROBE HOOK	YES
RW	RESIDENTIAL WASHER	YES
SCR	SHOWER CURTAIN & ROD	YES
SD	SOAP DISPENSER	NO
SDU	SANITARY NAPKIN DISPOSAL	YES
TPS	TAPING STATION	NO
TRT	TREATMENT TABLE	NO
TT	TOILET TISSUE DISPENSER	NO
WP	WHIRLPOOL	YES



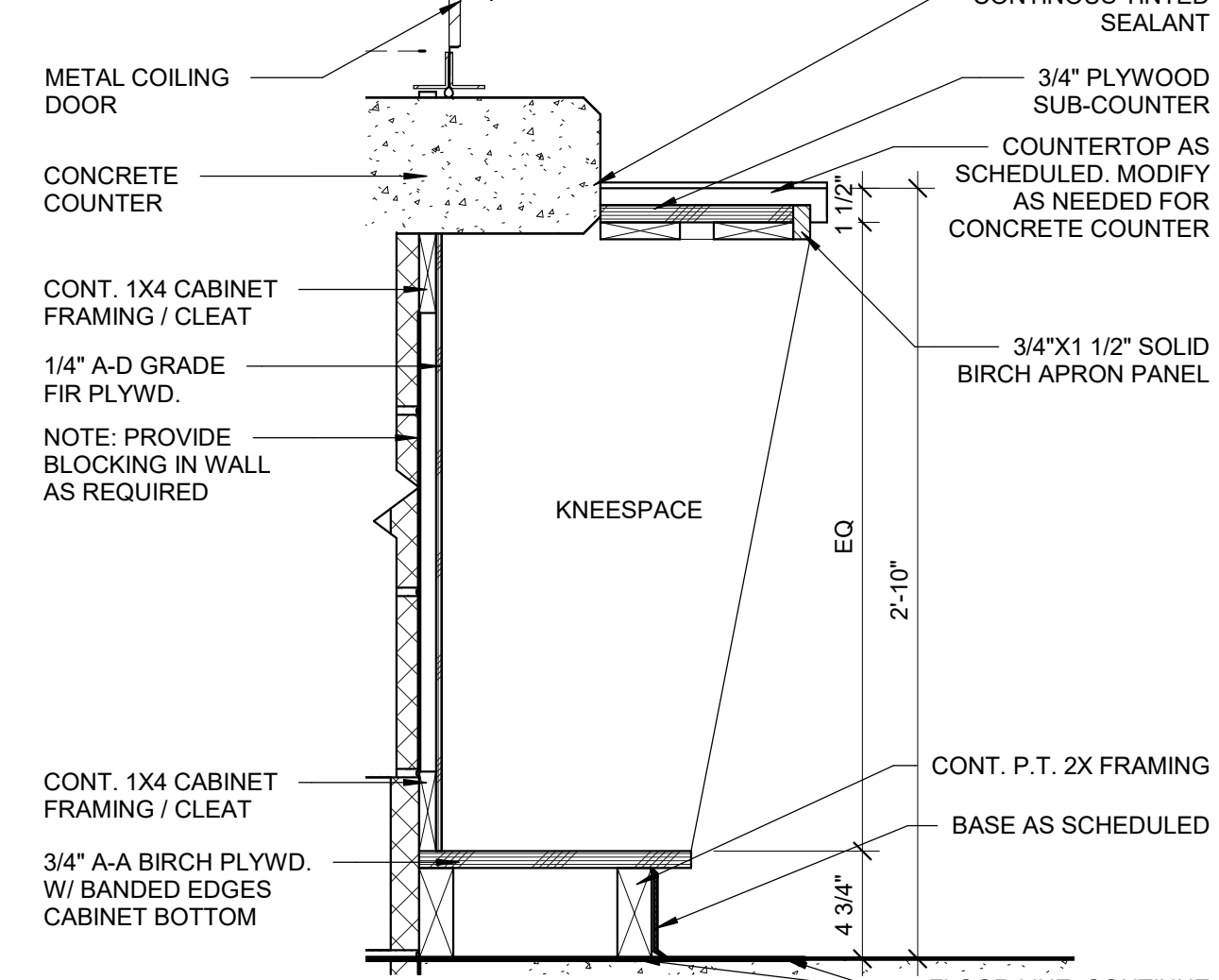
B2 COUNTERTOP - CONCEALED BRACKET
1 1/2" = 1'-0"



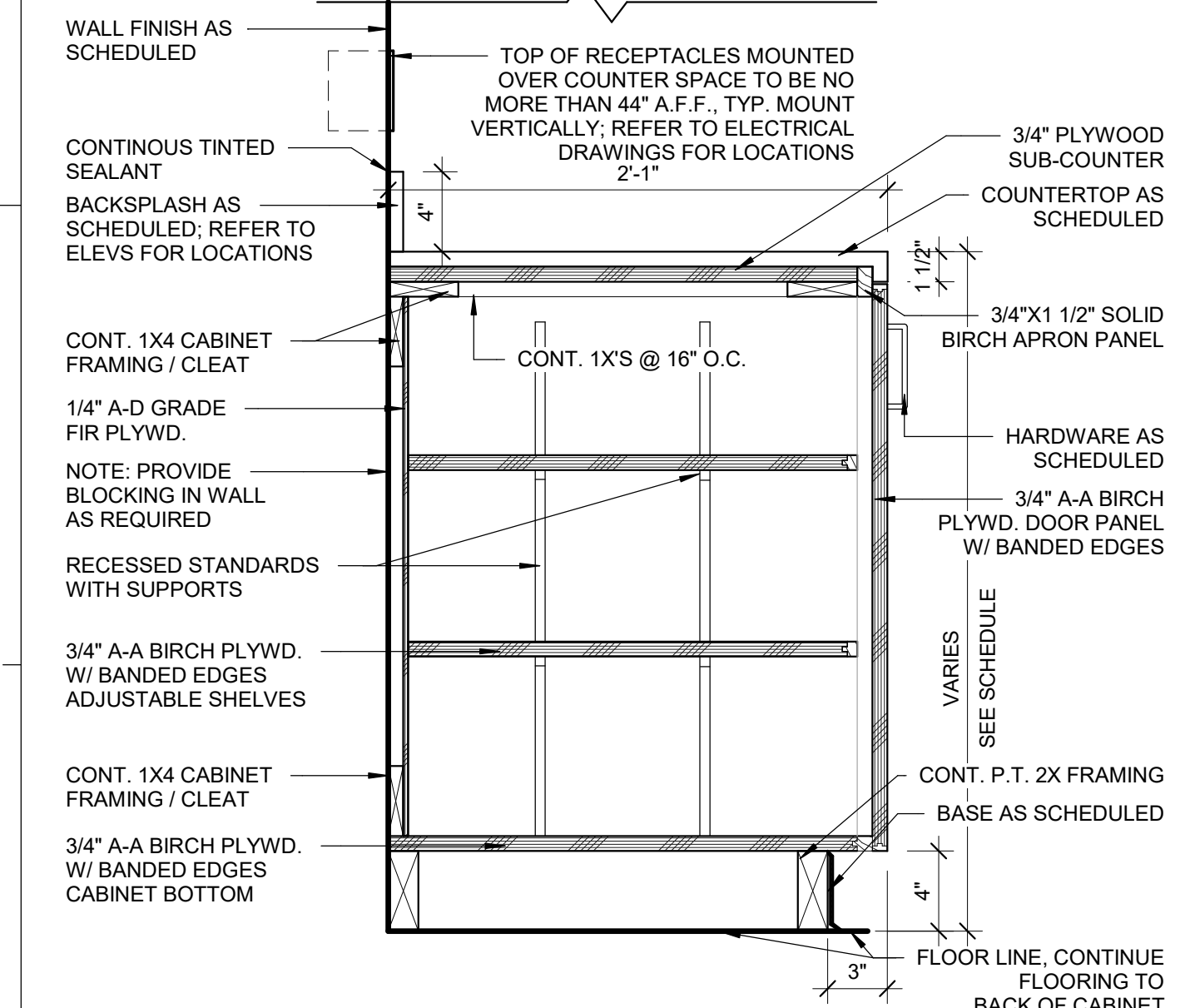
B3 ADA LAVATORY SINK (ADULT HEIGHT)
1 1/2" = 1'-0"



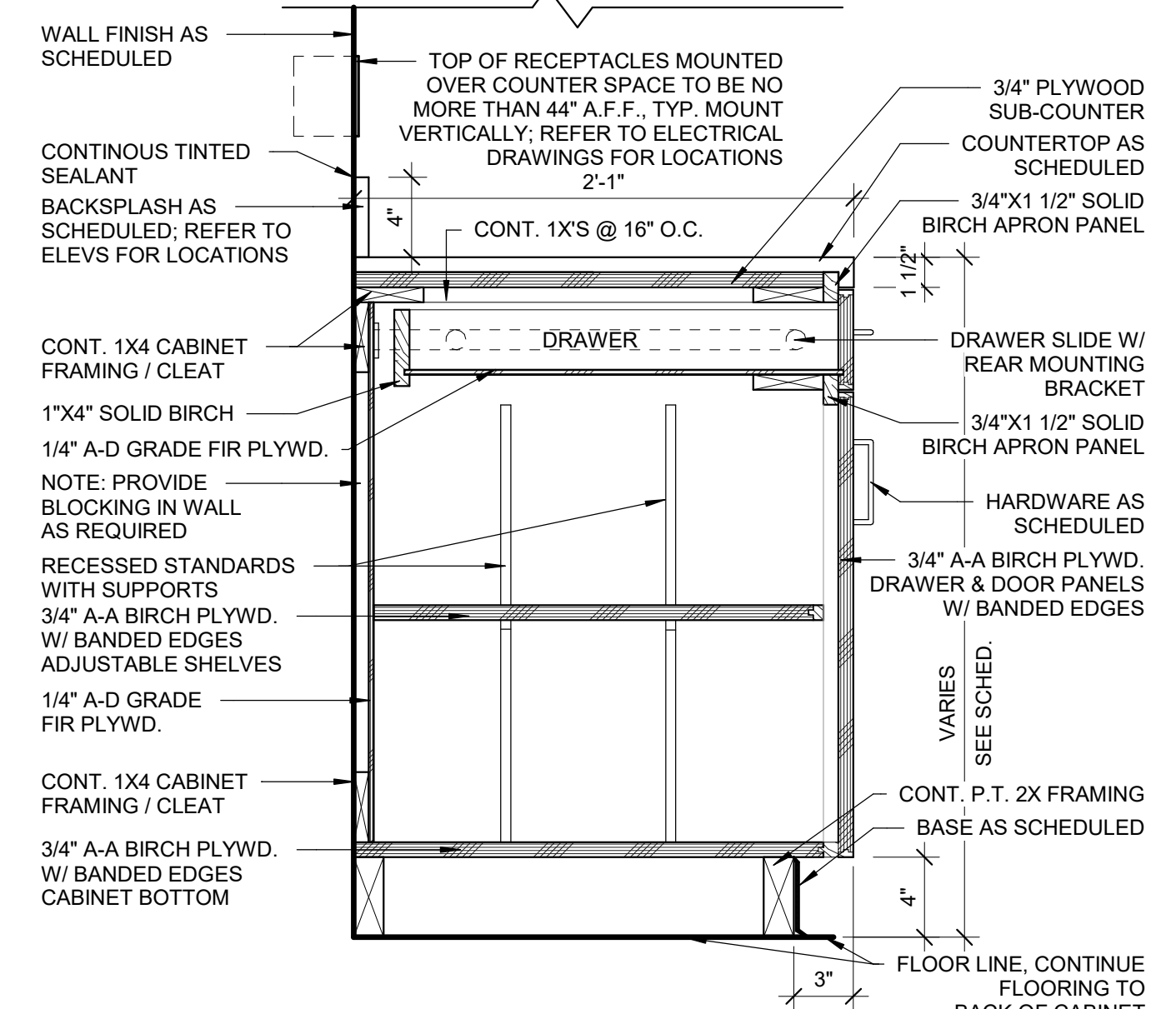
B4 BASE CABINET B62
1 1/2" = 1'-0"



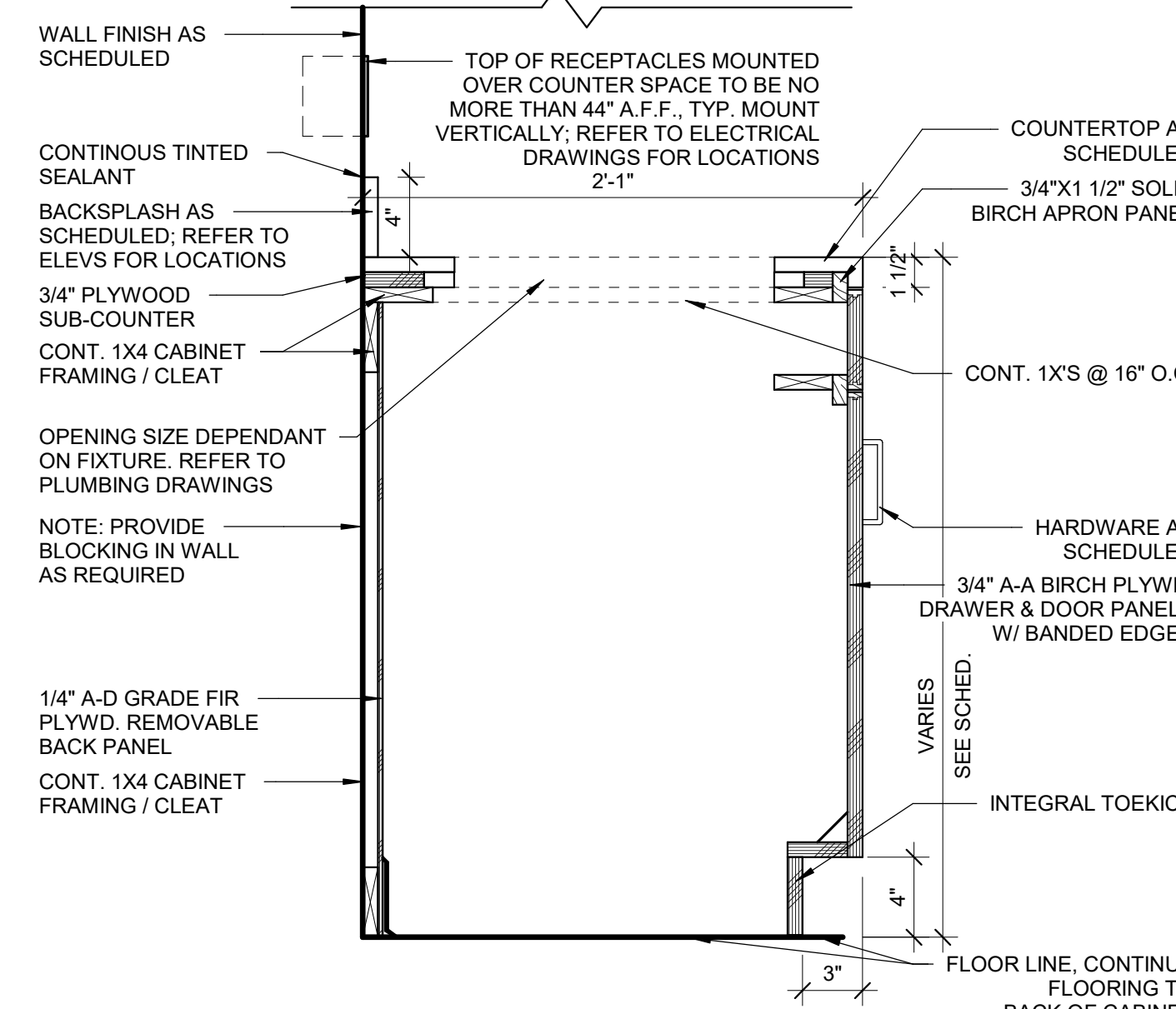
B5 BASE CABINET B62 KNEESPACE
1 1/2" = 1'-0"



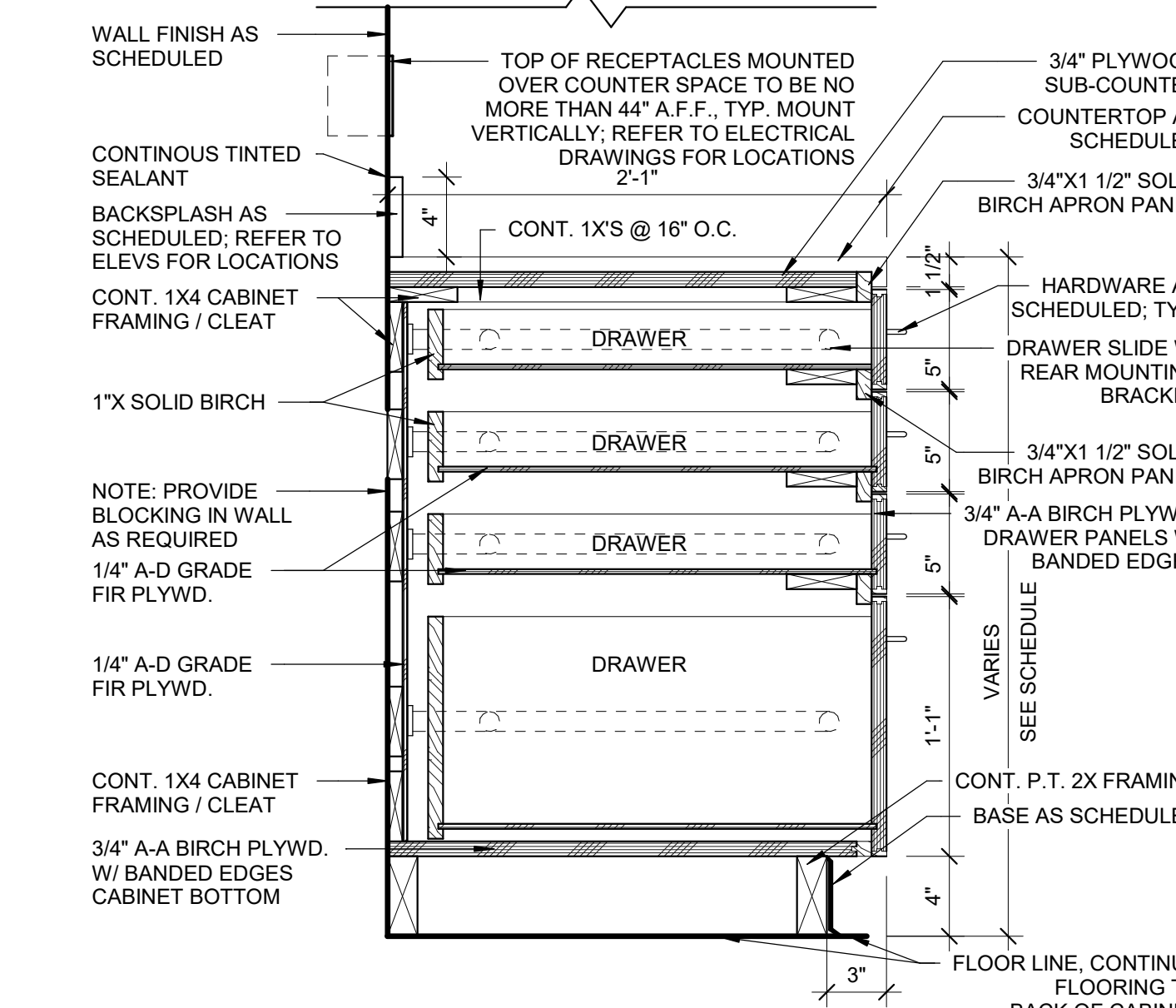
A1 BASE CABINET B12
1 1/2" = 1'-0"



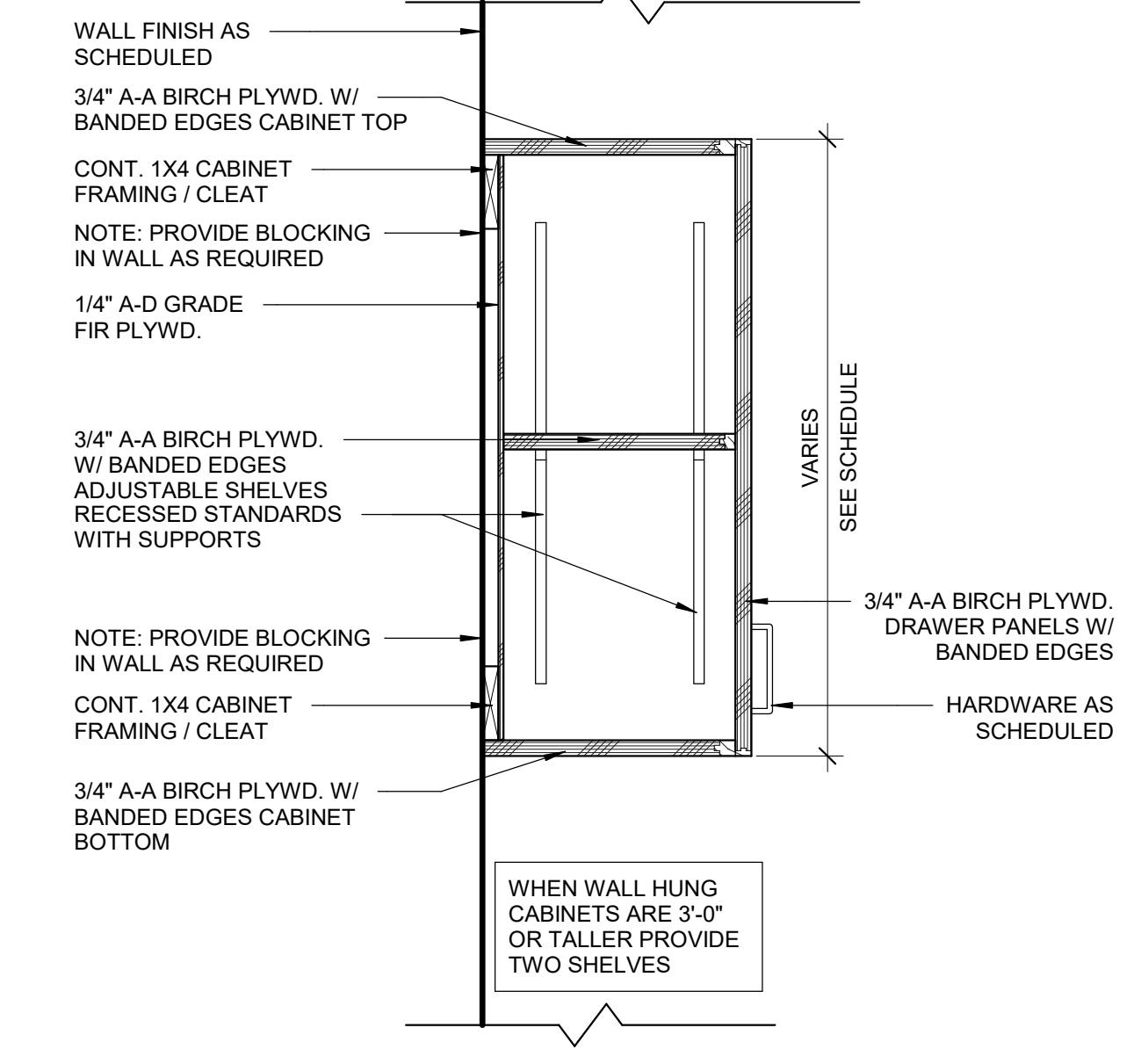
A2 BASE CABINET B22
1 1/2" = 1'-0"



A3 BASE CABINET B24HC
1 1/2" = 1'-0"



A4 BASE CABINET B44
1 1/2" = 1'-0"



A5 WALL HUNG CABINET U11 & U12
1 1/2" = 1'-0"



RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE



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CASEWORK & SPECIALTY EQUIPMENT LEGENDS & DETAILS

A-770



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DATE: 05/12/2023
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CASEWORK
ELEVATIONS

A-771

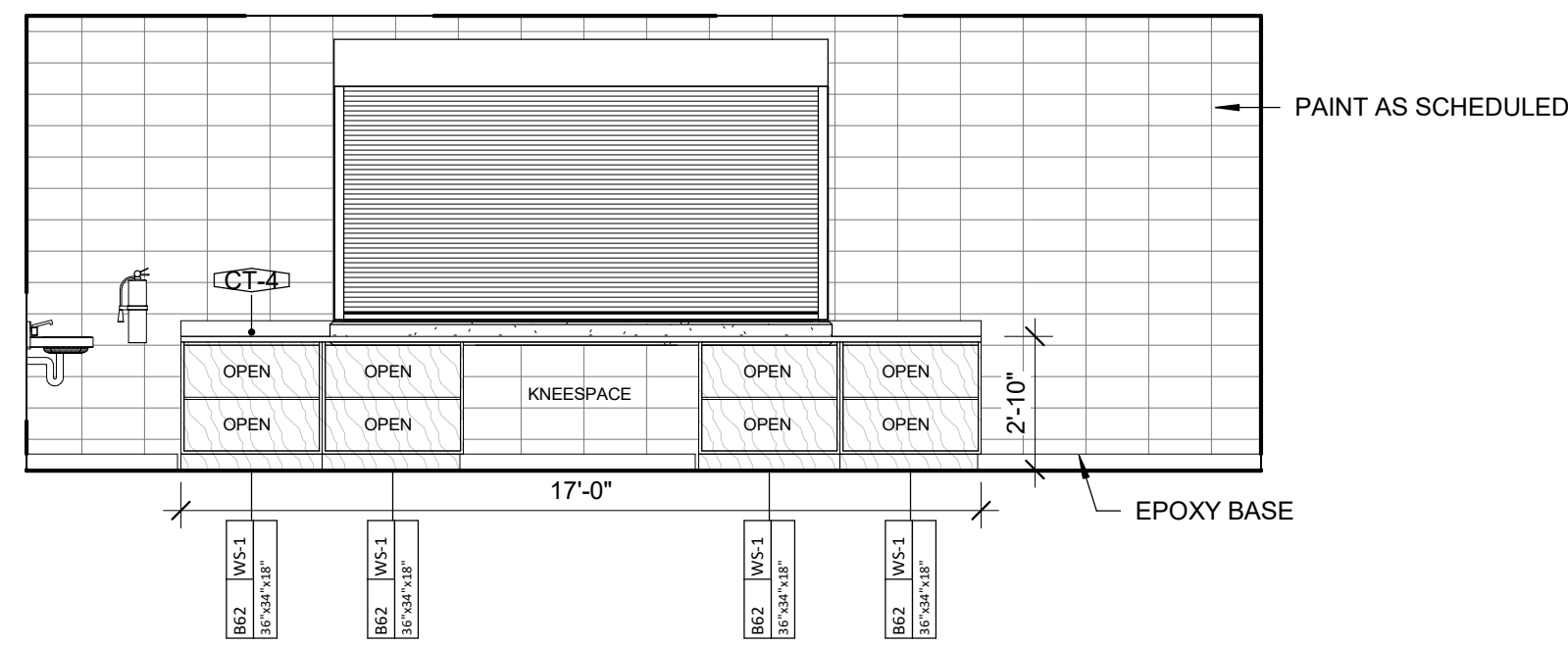
E

D

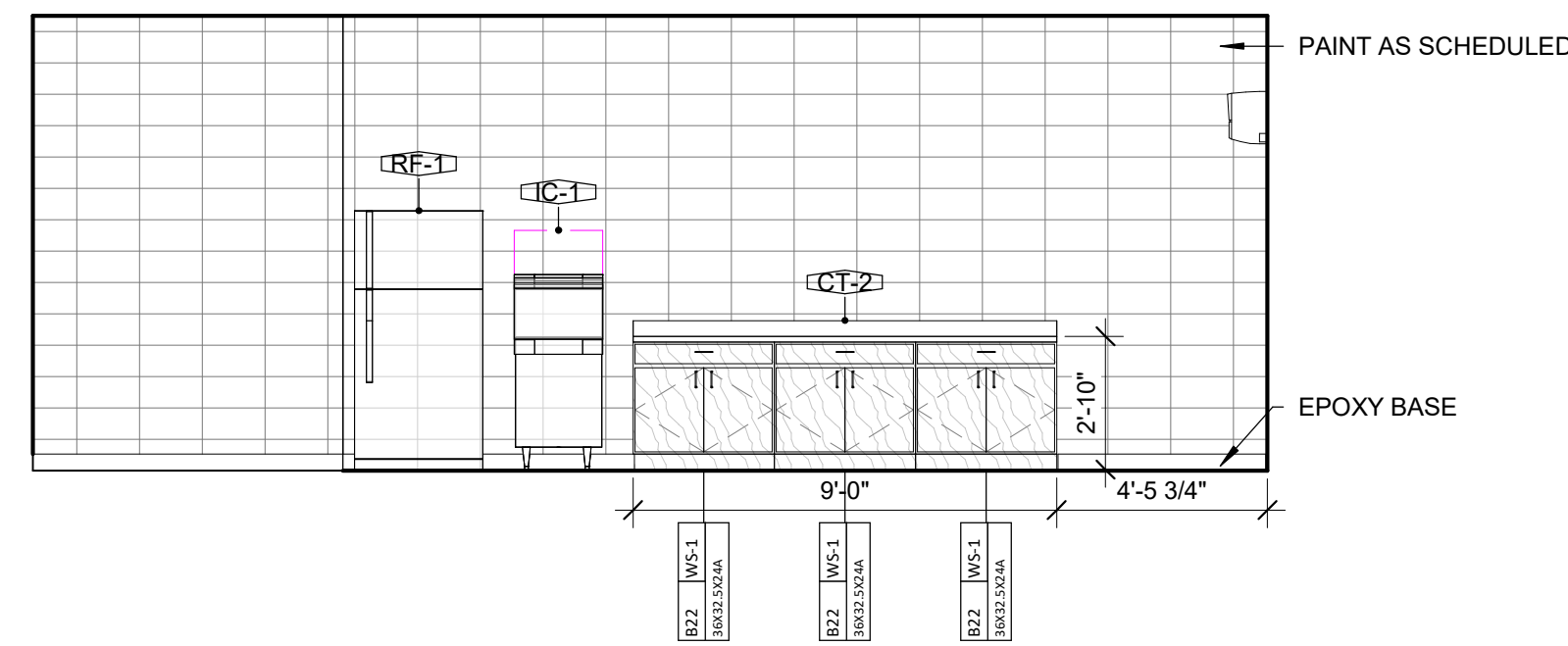
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B

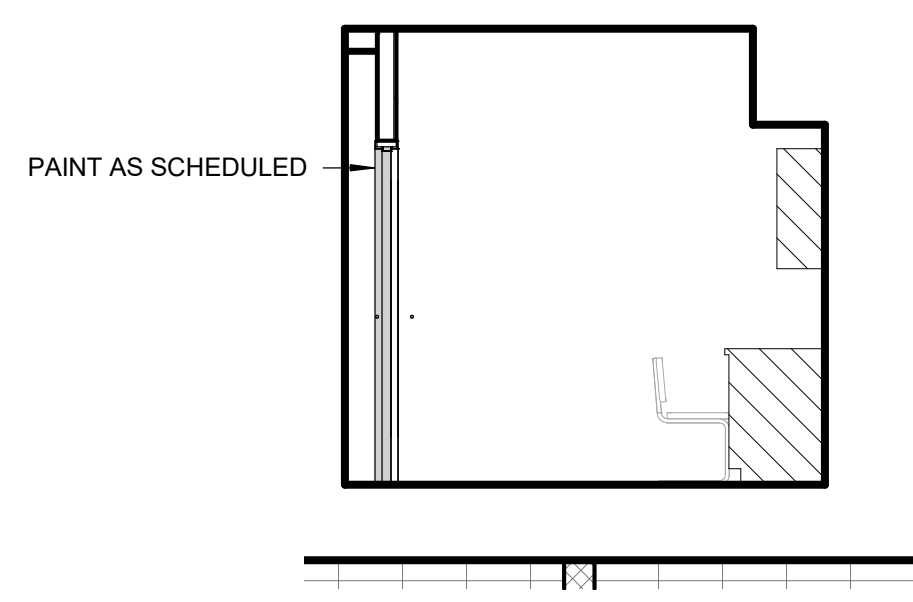
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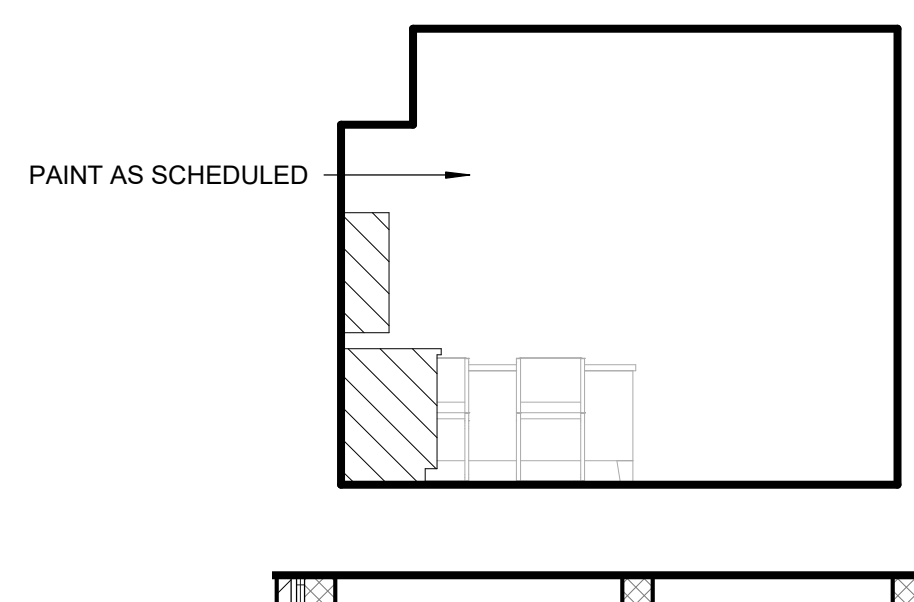
(C2) INT. ELEV. @ CONCESSIONS - N
1/4" = 1'-0"



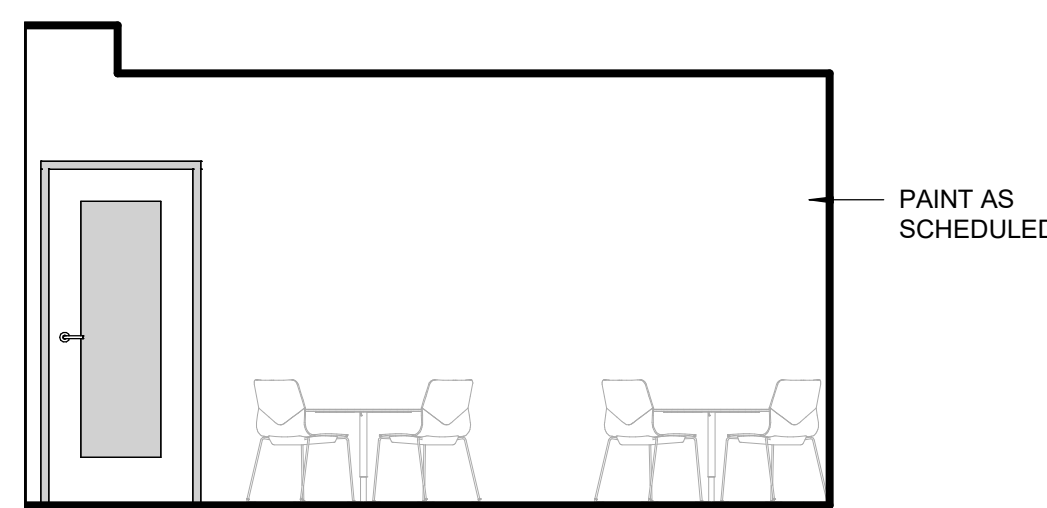
(C4) INT. ELEV. @ CONCESSIONS - S
1/4" = 1'-0"



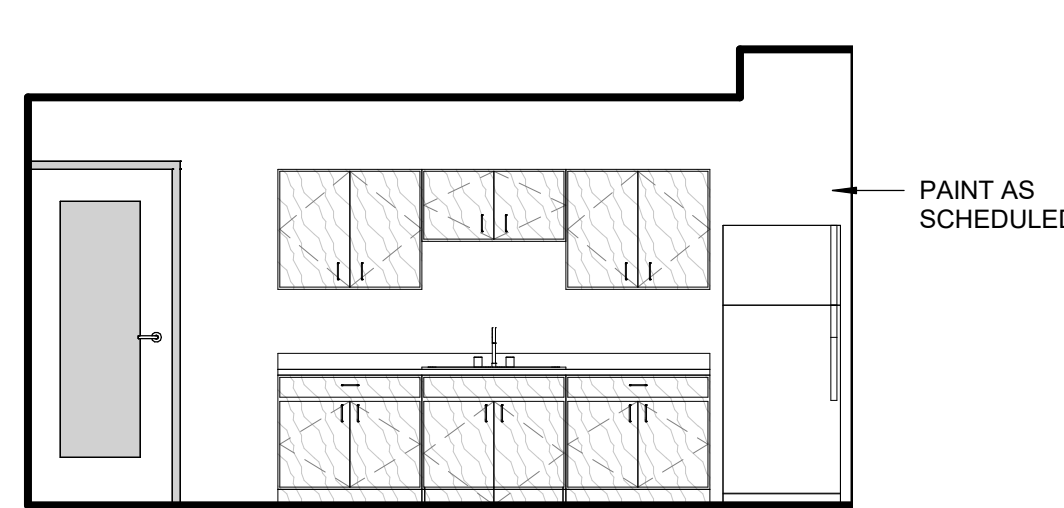
(B1) INT. ELEV. @ WORKROOM 2107 - W
1/4" = 1'-0"



(B2) INT. ELEV. @ WORKROOM 2107 - N
1/4" = 1'-0"



(A1) INT. ELEV. @ BREAK ROOM - W
1/4" = 1'-0"



(A2) INT. ELEV. @ BREAK ROOM - E
1/4" = 1'-0"

1

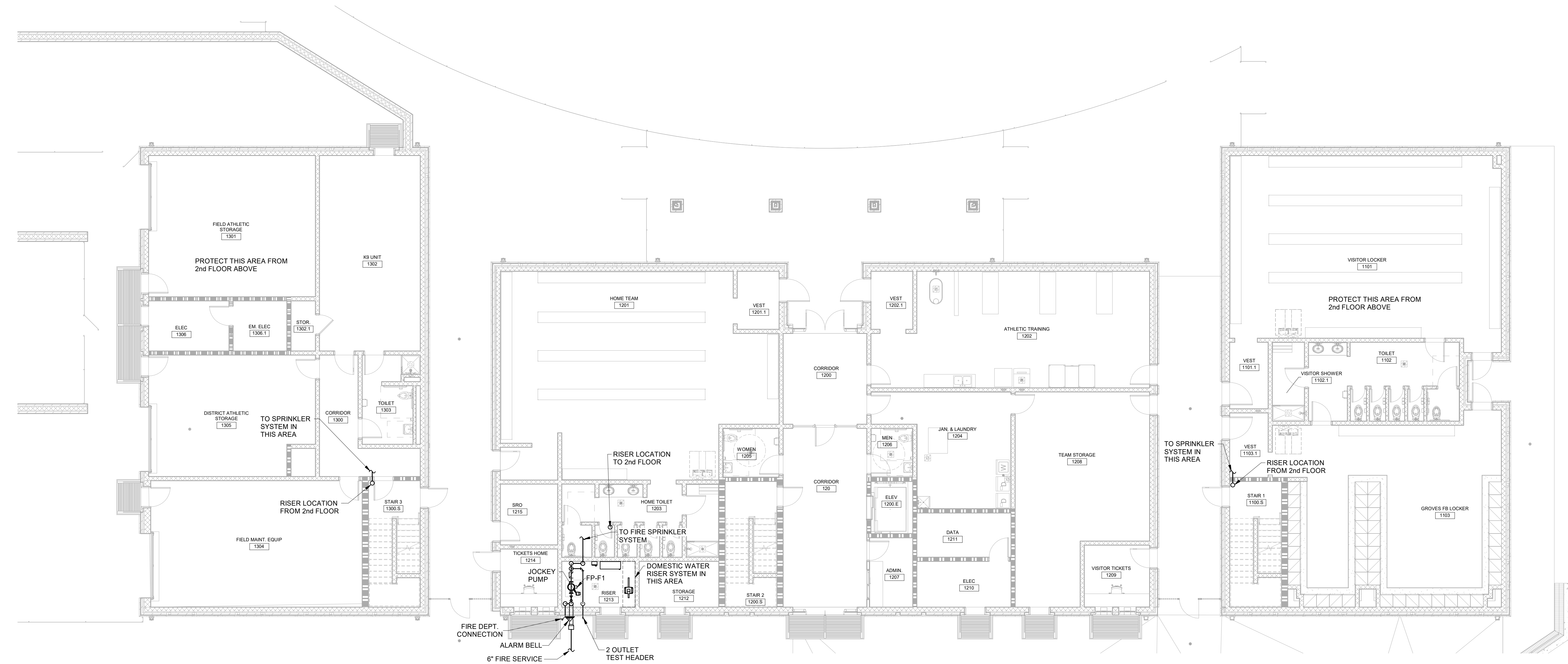
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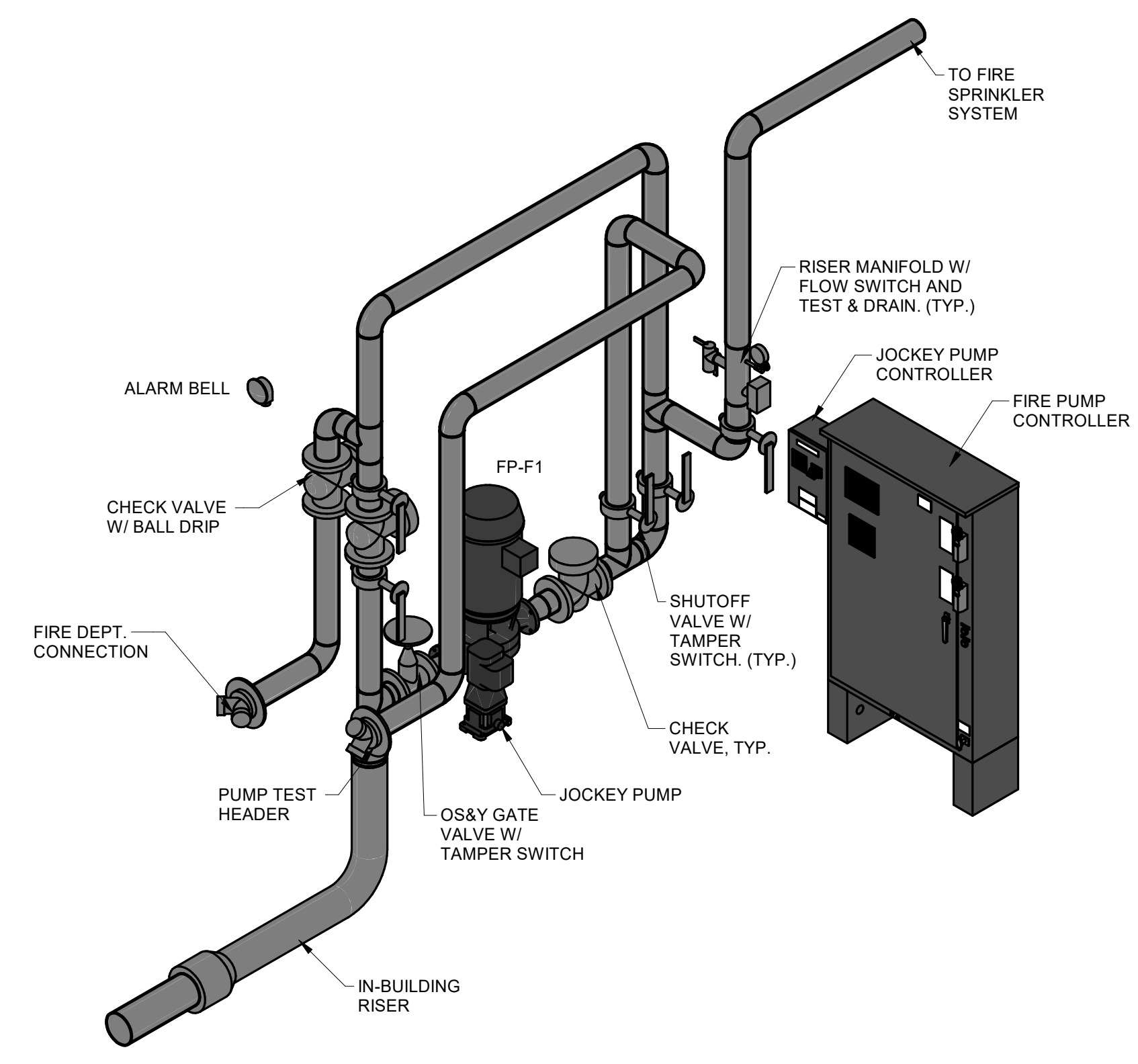
4

5

6



1 FIRST FLOOR-FIRE PROTECTION PLAN - FIELDHOUSE
 1/8" = 1'-0"



2 FIRE SERVICE RISER

WET PIPE SPRINKLER SYSTEM
 THE SPRINKLER SYSTEM WILL BE PROVIDED FOR THE ENTIRE BUILDING. THE SPRINKLER SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH NFPA 13 AND THE DESIGN DATA BELOW. THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND PLANS TO THE AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL. SPRINKLERS IN CEILINGS SHALL BE SEMI-RECESSED PENDANT HEADS UNLESS NOTED OTHERWISE.

HAZARD CLASSIFICATIONS AND DESIGN REQUIREMENTS
 HAZARD CLASSIFICATIONS FOR THIS BUILDING ARE LISTED BELOW IN THE SPRINKLER HAZARD CLASSIFICATIONS SCHEDULE.

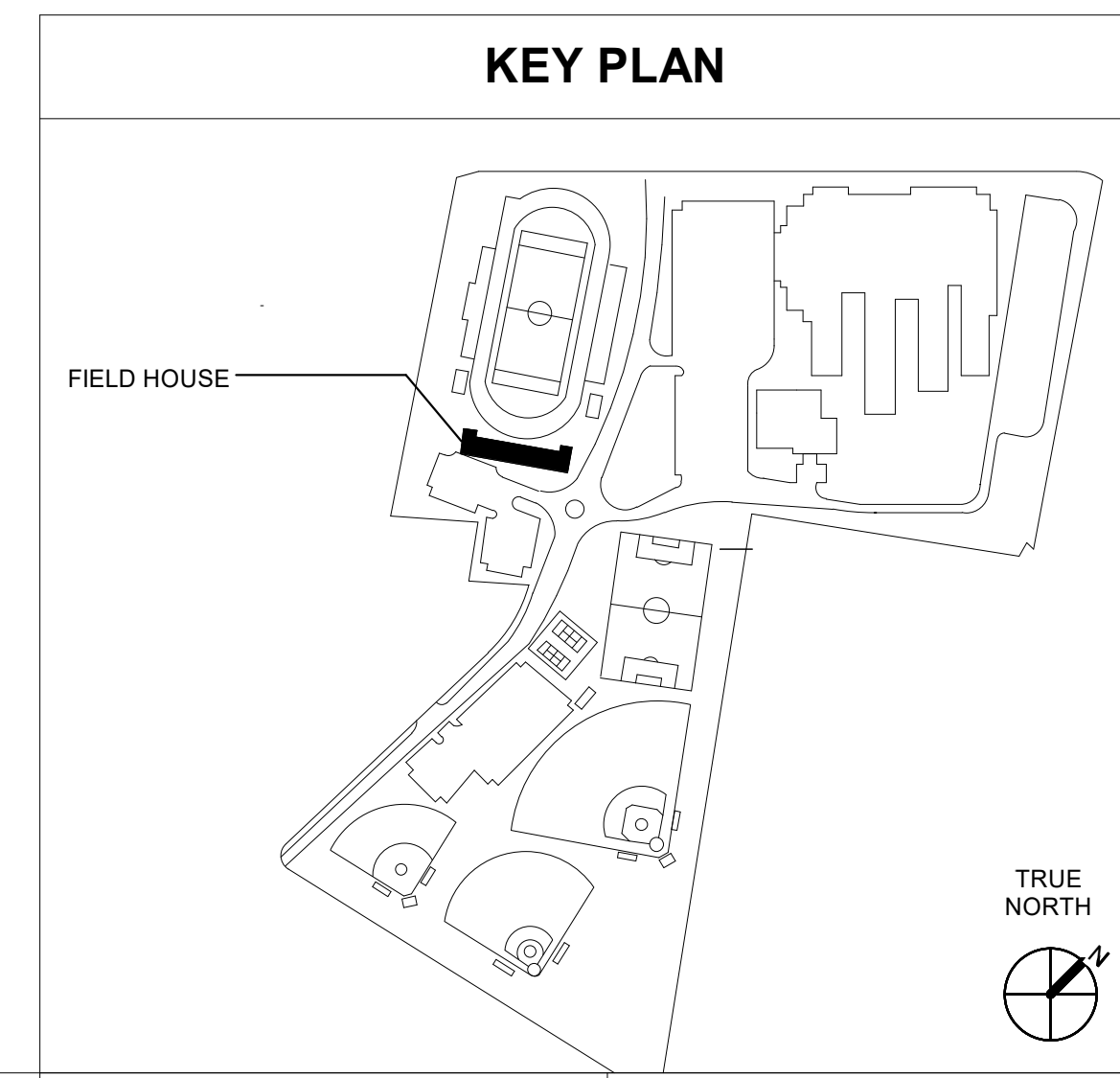
HAZARD CATEGORY	DENSITY	AREA
LIGHT HAZARD	.10 GPM/SQ. FT.	1500 SQ. FT.
ORDINARY GROUP 1	.15 GPM/SQ. FT.	1500 SQ. FT.

THE CONTRACTOR SHALL LOCATE THE SYSTEM WITHIN THE INSULATED ENVELOPE OF THE BUILDING.
 THE EXTERIOR HOSE STREAM REQUIREMENT IS 250 GPM.

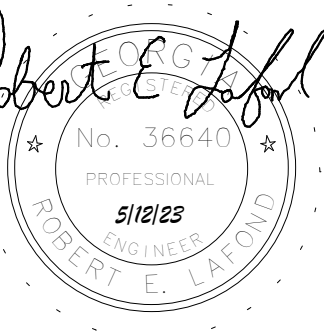
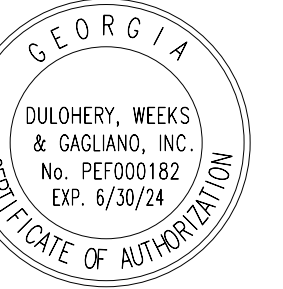
FIRE FLOW DATA
 FIRE FLOW DATA FOR THIS SITE: STATIC: 48 PSI RESIDUAL: 38 PSI FLOW RATE: 1,578 GPM

SPRINKLER HAZARD CLASSIFICATIONS	
ROOM OR AREA	HAZARD CATEGORY
ALL AREAS EXCEPT AS NOTED BELOW	LIGHT HAZARD
MECHANICAL, ELECTRICAL, JANITOR, STORAGE, DATA	ORDINARY HAZARD 1

FIRE PUMP SCHEDULE					
PUMP No.	HP	GPM	DISCH. HEAD (PSI)	ELECTRICAL DATA	REMARKS
FP-F1	30	300	75	SEE ELECTRICAL DWGS.	---
JP-F1	3	30	75	SEE ELECTRICAL DWGS.	---



BIM 360://5201-192070_SCCPSS_NEW_K-12_ATHLETICS_PLBG_GrovesK12_Fieldhouse_202301.rvt
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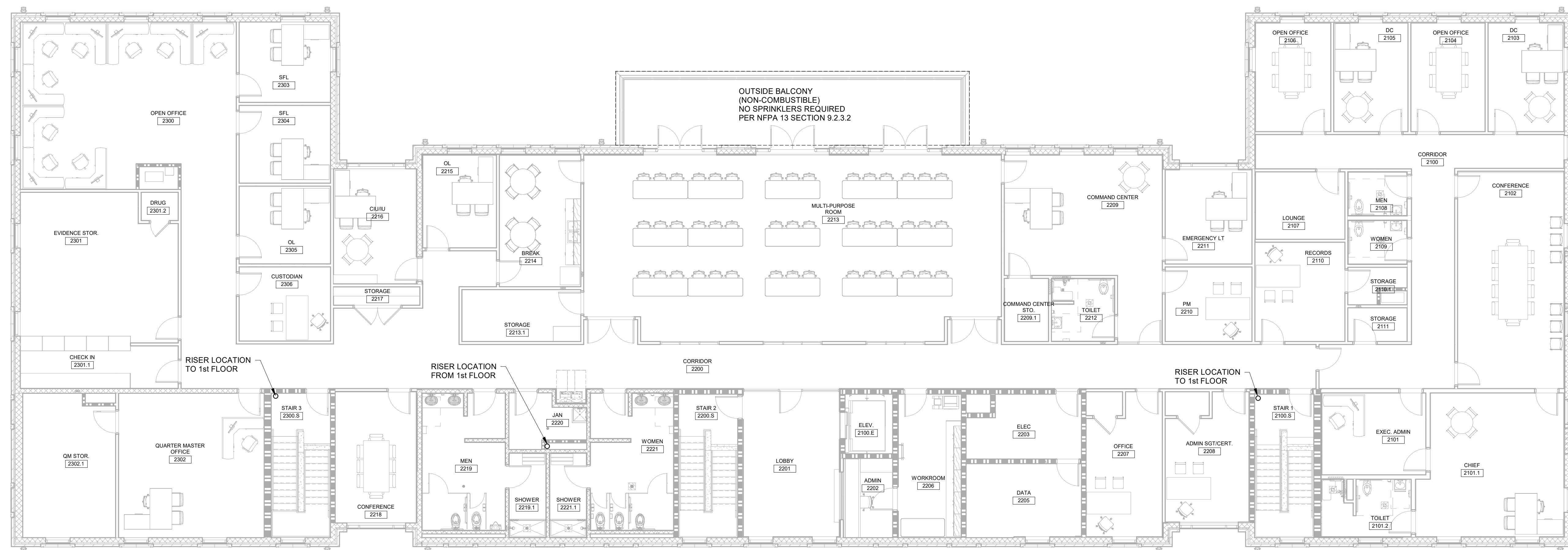
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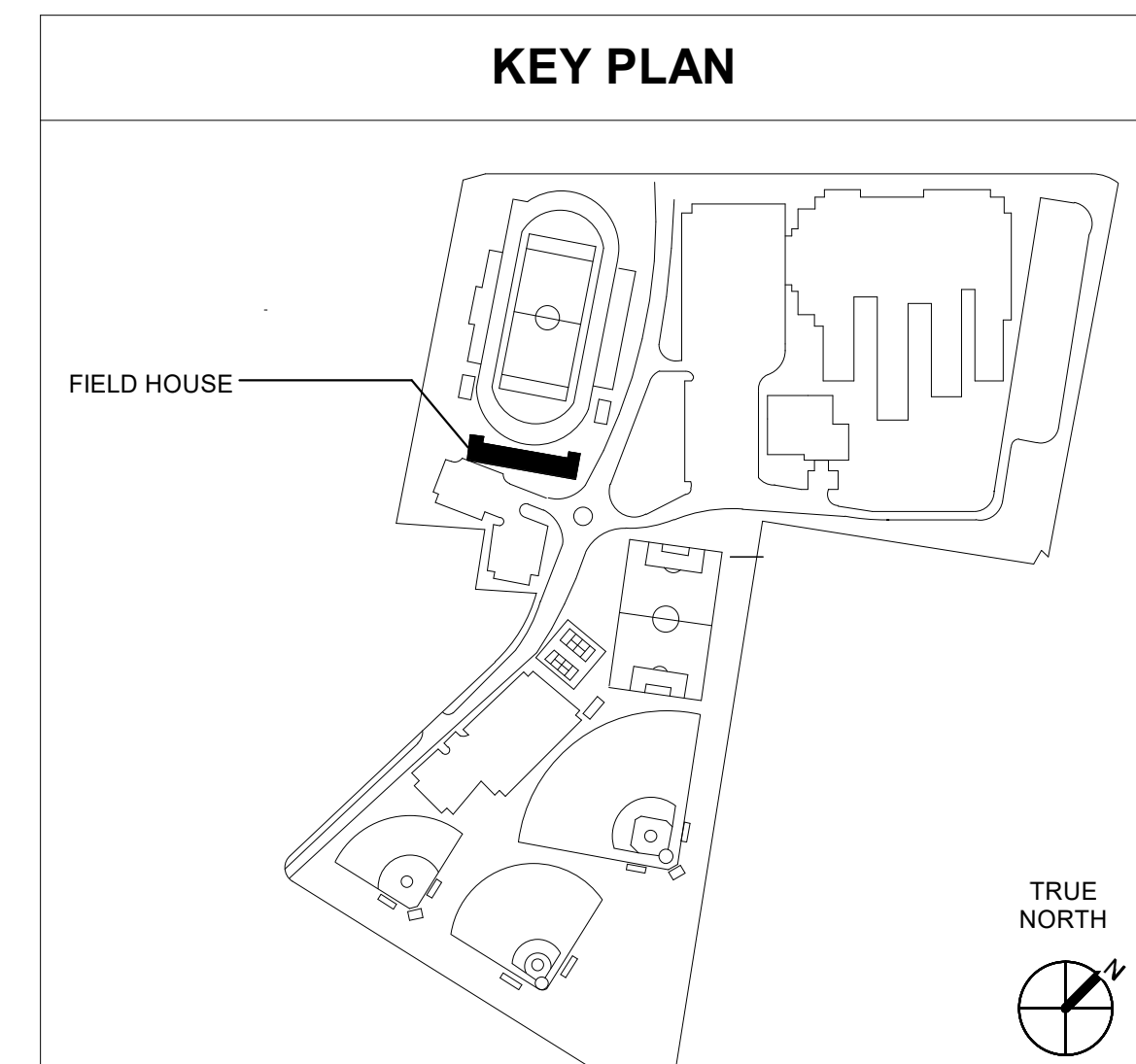
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DATE: 05/12/2023
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2nd FLOOR
FIRE
PROTECTION
PLAN -
FIELDHOUSE

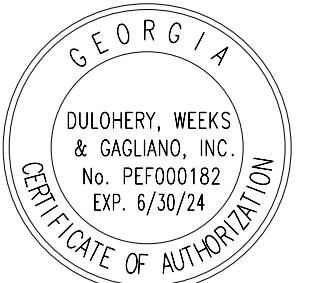
F-102



1 2nd FLOOR FIRE PROTECTION PLAN
1/8" = 1'-0"



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No.	Description	Date
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PLUMBING FIXTURE SCHEDULE

ITEM	DESCRIPTION	MINIMUM CONNECTION SIZE (INCHES)				MOUNTING HEIGHT REMARKS (ABOVE FLOOR)
		HOT WATER	COLD WATER	WASTE	VENT	
P-1A	WATER CLOSET	---	1"	3"	1-1/2"	15" RIM HT. - MANUAL FLUSH VALVE
P-1B	WATER CLOSET - H.C.	---	1"	3"	1-1/2"	18" RIM HT. - MANUAL FLUSH VALVE
P-2A	URINAL	---	3/4"	2"	1-1/2"	24" RIM HT. - MANUAL FLUSH VALVE
P-2B	URINAL - H.C.	---	3/4"	2"	1-1/2"	17" RIM HT. - MANUAL FLUSH VALVE
P-3A	LAVATORY - H.C.	1/2"	1/2"	1-1/4"	1-1/2"	SOLID SURFACE W/INTEGRAL BOWL - METERING FAUCET
P-3B	LAVATORY - H.C.	1/2"	1/2"	1-1/4"	1-1/2"	34" RIM HT. - SINGLE LEVER FAUCET
P-3D	LAVATORY - H.C.	---	1/2"	1-1/4"	1-1/2"	SOLID SURFACE W/INTEGRAL BOWL - METERING FAUCET
P-4	MOP SINK	1/2"	1/2"	3"	1-1/2"	FLOOR MTD / 38" FAUCET HT.
P-5D	KITCHEN SINK - H.C.	1/2"	1/2"	1-1/2"	1-1/2"	COUNTERTOP - DOUBLE BOWL - SINGLE LEVER FAUCET
P-6B	SHOWER - H.C.	1/2"	1/2"	2" FD	1-1/2"	42" VALVE & BAR HTS. - HAND SHOWER
P-7	ICE MAKER BOX	---	1/2"	---	---	30" BOX HT.
P-9	CONDENSATE BOX	---	---	2"	1-1/2"	42" BOX HT.
P-12	WHIRLPOOL WASH FAUCET	1/2"	1/2"	---	---	38" FAUCET HT.
EWG-3	BILEVEL ELECTRIC WATER COOLER - H.C.	---	1/2"	1-1/2"	1-1/2"	42" & 34" ORIFICE HTS. - WITH BOTTLE FILLER

DOMESTIC WATER HEATER SCHEDULE

ITEM	CAPACITY	RECOVERY RATE	FUEL	ELECTRICAL CHARACTERISTICS	LOCATION	REMARKS
WH-F1	NO STORAGE 1,001 MBH	31.5 GPM @ 60°F RISE	GAS	SEE ELECTRICAL DWGS.	JAN / LAUNDRY 1204	FLOOR MOUNTED
WH-F10	NO STORAGE 3.0 KW	0.5 GPM @ 41°F RISE	ELEC.	SEE ELECTRICAL DWGS.	CONCESSIONS 108	UNDER COUNTER
WH-F11	NO STORAGE 20.0 KW	3.0 GPM @ 46°F RISE	ELEC.	SEE ELECTRICAL DWGS.	JAN 109	ABOVE CEILING
WH-F12	NO STORAGE 3.0 KW	0.5 GPM @ 41°F RISE	ELEC.	SEE ELECTRICAL DWGS.	CONCESSIONS 103	UNDER COUNTER
WH-F13	NO STORAGE 20.0 KW	3.0 GPM @ 46°F RISE	ELEC.	SEE ELECTRICAL DWGS.	JAN 104	ABOVE CEILING

PUMP SCHEDULE

PUMP No.	SERVICE	HP	GPM	DISCH HEAD (FT)	WATER HEATER	ELECTRICAL DATA	REMARKS
BP-F1	DOMESTIC BOOSTER	5	105	75 PSI	---	SEE ELECTRICAL DWGS.	---
HWCF1	HOT WATER CIRCULATION	1/3	3.0	10	WH-F1	SEE ELECTRICAL DWGS.	CONTROLLED BY AQUASTAT
SP-F1	SUMP PUMP	1/2	50	14	---	SEE ELECTRICAL DWGS.	ELEVATOR SUMP PUMP W/ OIL MONITORING SYSTEM

HAMMER ARRESTOR SCHEDULE

ITEM	POI UNIT	FIXTURE UNIT
HA	A	1-11
HA	B	12-32
HA	C	33-60
HA	D	61-113
HA	E	114-154

PLUMBING LEGEND

ABBREVIATION	SYMBOL	DESCRIPTION
HWR	---	HOT WATER RETURN PIPING
H	---	HOT WATER PIPING
T	---	TEMPERED HOT WATER PIPING
C	---	COLD WATER PIPING
G	---	NATURAL GAS PIPING
ST	---	STORM DRAIN PIPING (ABOVE GROUND)
ST	---	STORM DRAIN PIPING (BELOW GROUND)
OF	---	OVERFLOW DRAIN PIPING
CA	---	COMPRESSED AIR PIPING
S.W	---	SOIL AND WASTE PIPING
V	---	VENT PIPING
		SOLENOID VALVE
		SHUT-OFF VALVE
		SWING CHECK VALVE
		THERMOSTATIC BALANCING VALVE
		CONNECT TO EXISTING
HB/E		HOSE BIBB (WALL BOX) FREEZE PROOF
HB/B		HOSE BIBB (WALL BOX) NON-FREEZE PROOF
HB/R		ROOF HYDRANT FREEZE PROOF
HB/I		HOSE BIBB (INTERIOR)
WCO		WALL CLEAN OUT
RD		ROOF DRAIN
FCO		FLOOR CLEAN OUT
GCO		GRADE CLEAN OUT
FD - ''		FLOOR DRAIN - TYPE
FS - ''		FLOOR SINK - TYPE
HA - ''		WATER HAMMER ARRESTOR - SIZE
DSN		DOWNSPOUT NOZZLE
VTR		VENT THRU ROOF
VTS		VENT THRU SIDEWALL
WH		WATER HEATER
HWCP		HOT WATER CIRCULATOR PUMP
AC		AIR COMPRESSOR
RAD		REFRIGERATED AIR DRYER
AFF		ABOVE FINISH FLOOR
AFG		ABOVE FINISH GRADE
A/C		ABOVE CEILING
B/F		BELOW FLOOR
GPM		GALLONS PER MINUTE
PSI		POUNDS PER SQUARE INCH
UG		UNDERGROUND
TYP.		TYPICAL
T-P		TRAP PRIMER
H.C.		HANDICAP ACCESSIBLE
GPH		GALLONS PER HOUR
CONN.		CONNECTION
ARCH.		ARCHITECTURAL
PRESS.		PRESSURE
W.C.		WATER COLUMN
DWGS.		DRAWINGS
CFH		CUBIC FEET PER HOUR

PLUMBING NOTES:

- ALL SITE UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. VERIFY EXACT LOCATION AND INVERT ELEVATION IN FIELD BEFORE BEGINNING WORK.
- ALL SUSPENDED PIPING SHALL BE SUPPORTED FROM FLOOR AND/OR ROOF STRUCTURAL MEMBERS. IN NO CASE SHALL PIPING BE SUSPENDED FROM FLOOR OR ROOF DECK LESS THAN 4" THICK CONCRETE.
- FIRE STOP ALL PENETRATIONS OF FIRE RATED ASSEMBLIES. REFER TO ARCHITECTURAL DRAWINGS FOR ASSEMBLY RATINGS.
- PIPING INSTALLED IN PLENUM SPACES SHALL MEET ASTM E-84, ASTM E-136 AND UL 723 STANDARDS FOR FLAME SPREAD AND SMOKE GENERATION. COORDINATE PLENUM LOCATIONS WITH MECHANICAL CONTRACTOR.
- COORDINATE ALL WORK WITH OTHER TRADES.
- PROVIDE INLINE TRAP SEAL DEVICES ON ALL FLOOR DRAINS NOT PROVIDED WITH TRAP PRIMERS.
- PROVIDE DRAIN VALVES AT ALL LOW POINTS IN ALL WATER PIPING SYSTEMS.
- PIPING FROM TRAP PRIMERS TO DRAINS INSTALLED BELOW FLOOR SLAB SHALL BE TYPE L SOFT COPPER TUBING WITH NO JOINTS BELOW THE SLAB.
- ALL WATER, VENT AND GAS PIPING SHALL BE INSTALLED ABOVE THE CEILING UNLESS NOTED OTHERWISE.
- ALL SOIL, WASTE, AND STORM PIPING SHALL BE INSTALLED BELOW THE FLOOR UNLESS NOTED OTHERWISE.
- PROVIDE CLEANOUTS AT THE BASE OF ALL SOIL, WASTE, VENT, AND STORM RISER OVER ONE STORY IN HEIGHT. ALL WALL CLEANOUTS SHALL BE INSTALLED AT 18" ABOVE FINISHED FLOOR.
- WALL HYDRANTS SHALL BE MOUNTED 1' - 6" ABOVE FINISHED GRADE.
- HOSE BIBBS SHALL BE MOUNTED 1' - 6" ABOVE FINISHED FLOOR.
- LOCATE ALL DRAINAGE PIPING AND CLEANOUTS CENTERED IN CORRIDORS UNLESS NOTED OTHERWISE. COORDINATE THE LOCATIONS OF CLEANOUTS WITH FLOOR PATTERN. ALL CLEANOUTS AT THE EXIT OF CORRIDORS SHALL BE TWO-WAY CLEANOUTS.
- PIPE DRAIN AND HOT WATER SUPPLY TO UNDERCOUNTER DISHWASHERS FROM ADJACENT SINK.
- ALL VENT TERMINALS SHALL BE LOCATED A MINIMUM OF 10 FEET FROM ANY DOOR, OPERABLE WINDOW, OR FRESH AIR INTAKE.
- WHERE MOUNTING HEIGHTS OF FIXTURES CONFLICT WITH THE FIXTURE HEIGHTS ON THE ARCHITECTURAL DRAWINGS, THE HEIGHTS SHOWN ON THE ARCHITECTURAL DRAWINGS SHALL TAKE PRECEDENCE.



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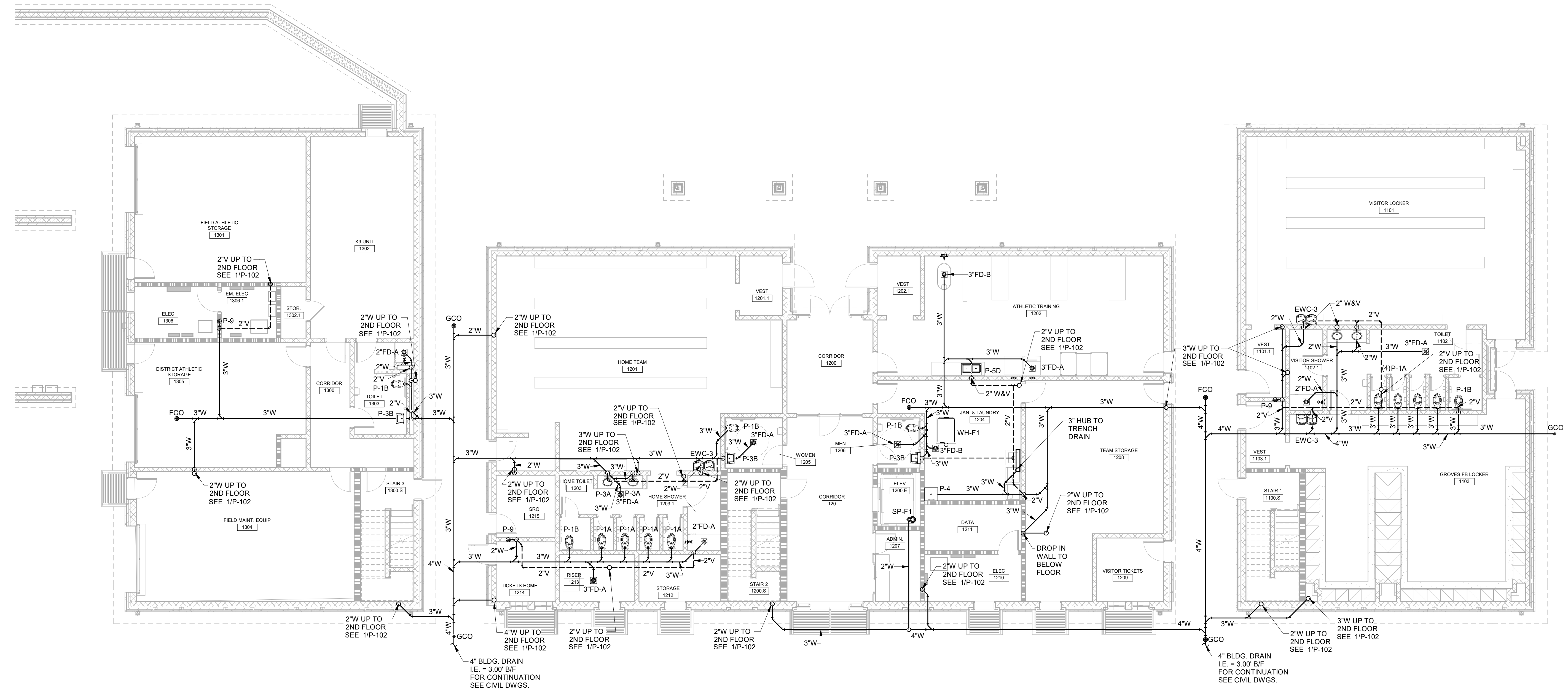
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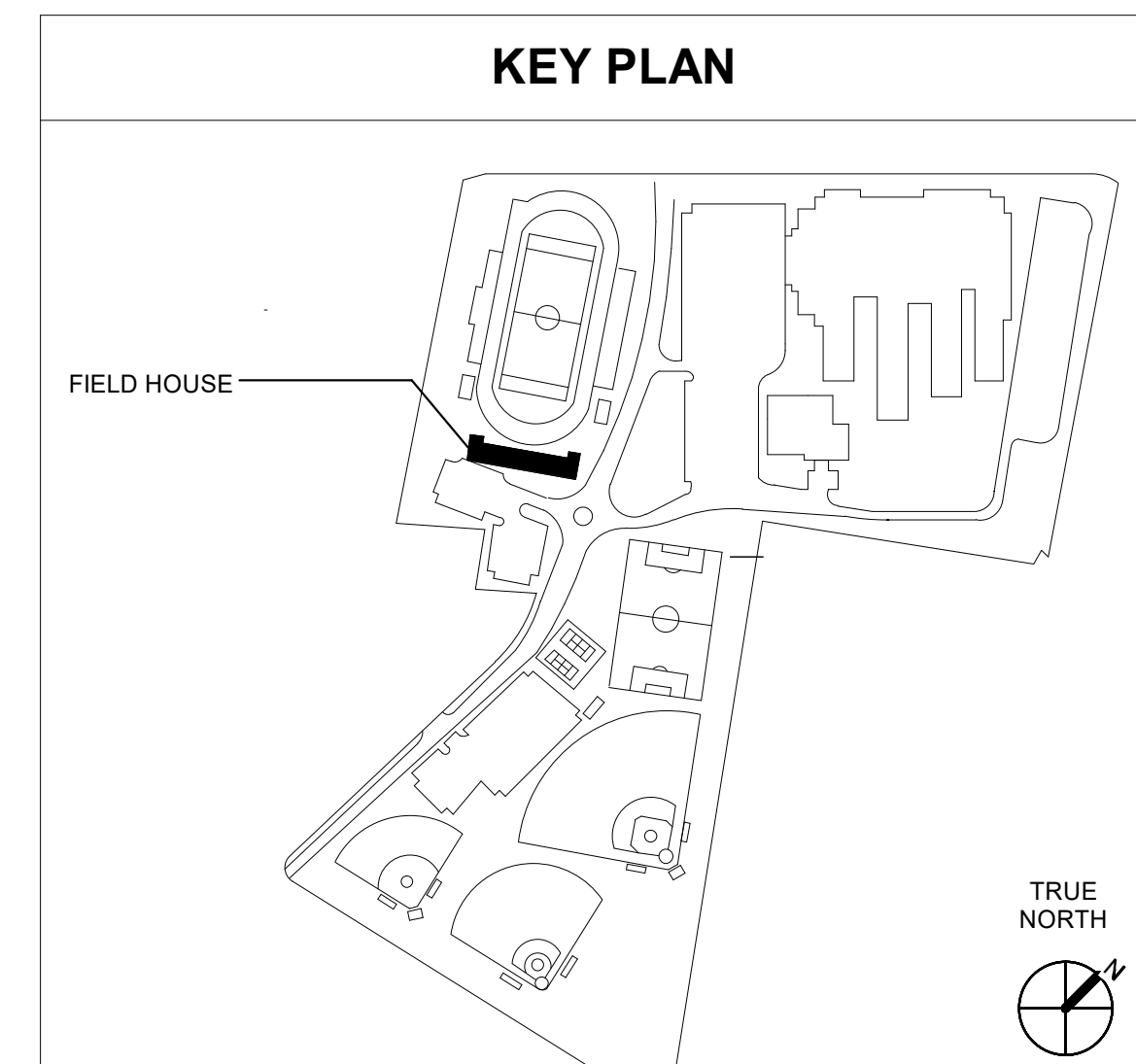
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1st FLOOR DRAINAGE & VENT PLAN - FIELDHOUSE

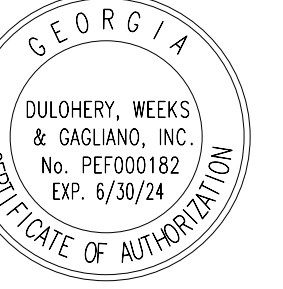
P-101



1 1st FLOOR DRAINAGE & VENT PLAN - FIELDHOUSE
1/8" = 1'-0"



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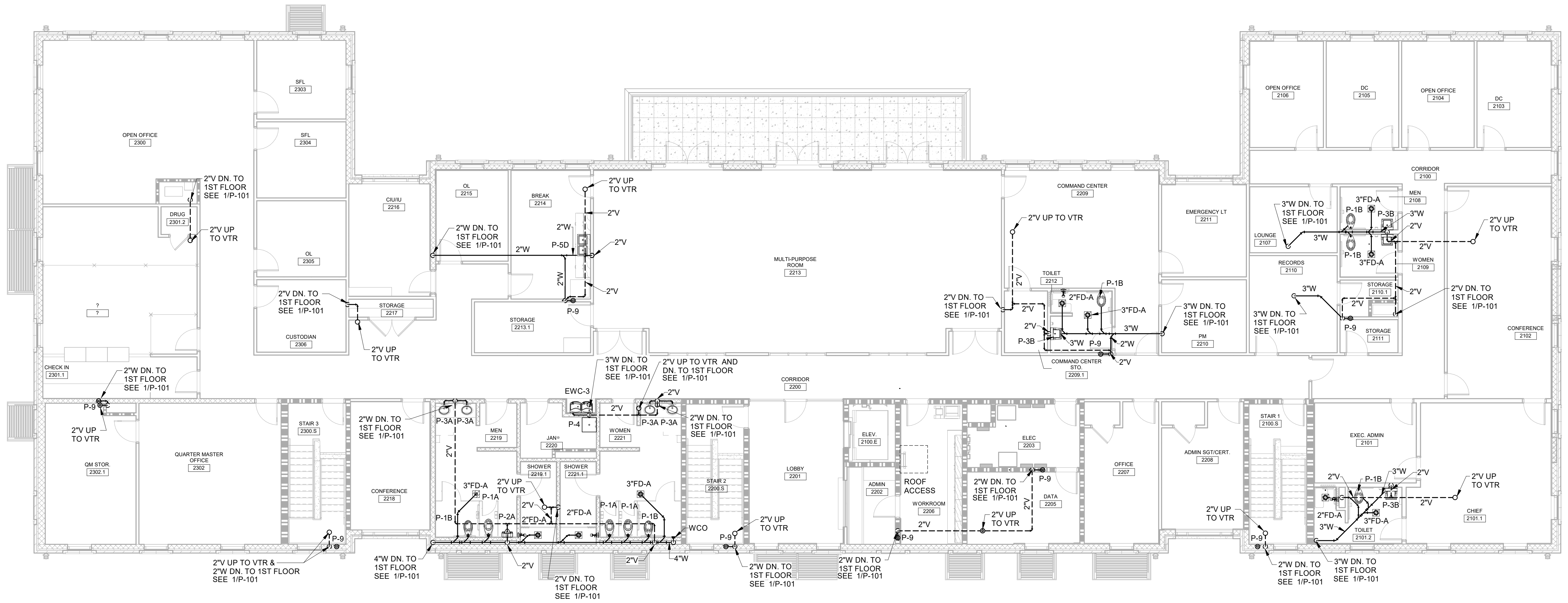
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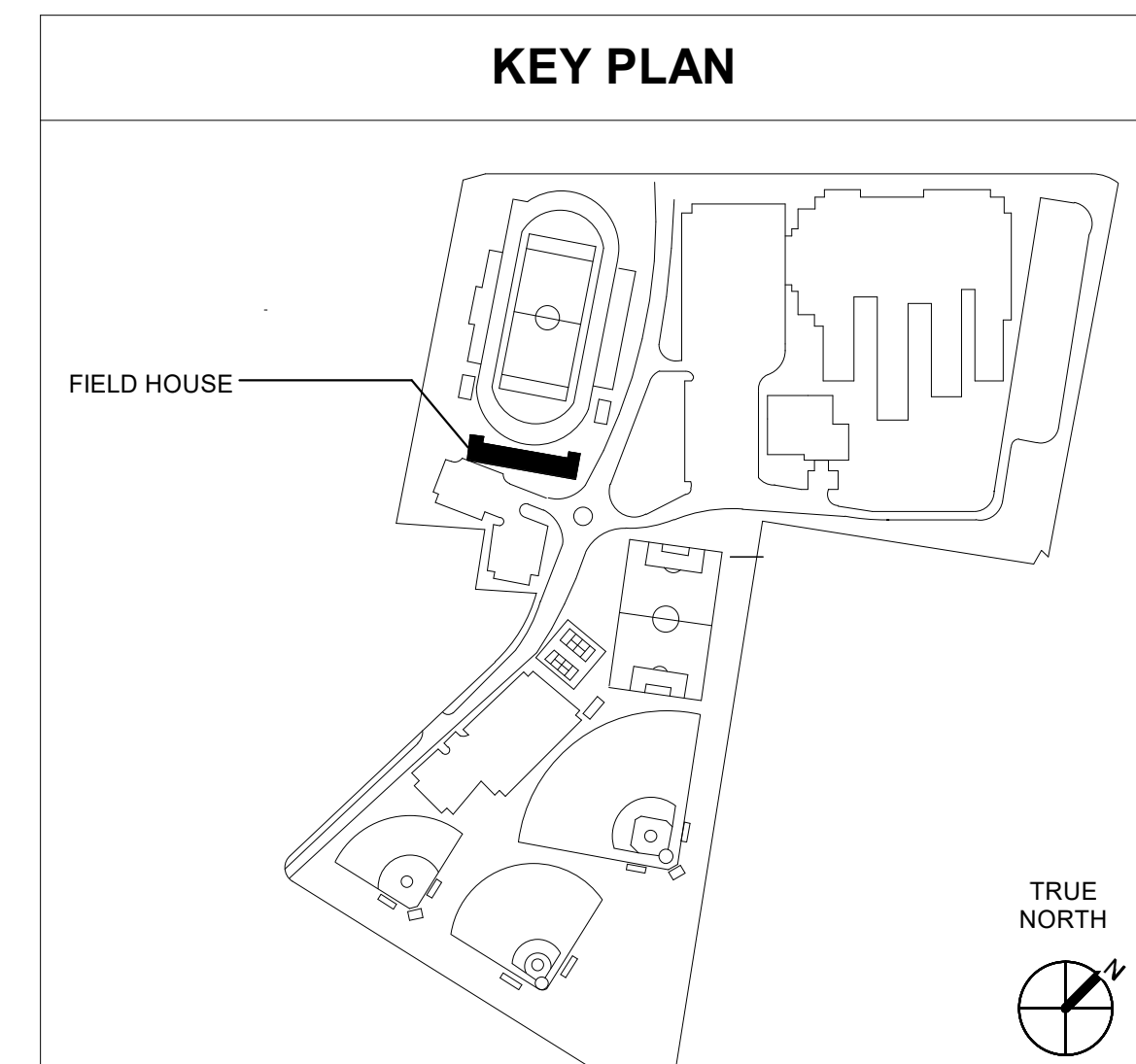
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2nd FLOOR
DRAINAGE &
VENT PLAN -
FIELDHOUSE

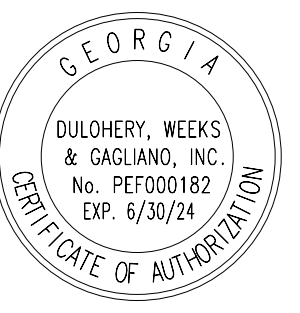
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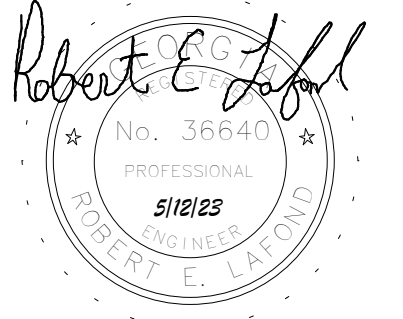
1 2nd FLOOR DRAINAGE & VENT PLAN - FIELDHOUSE
1/8" = 1'-0"



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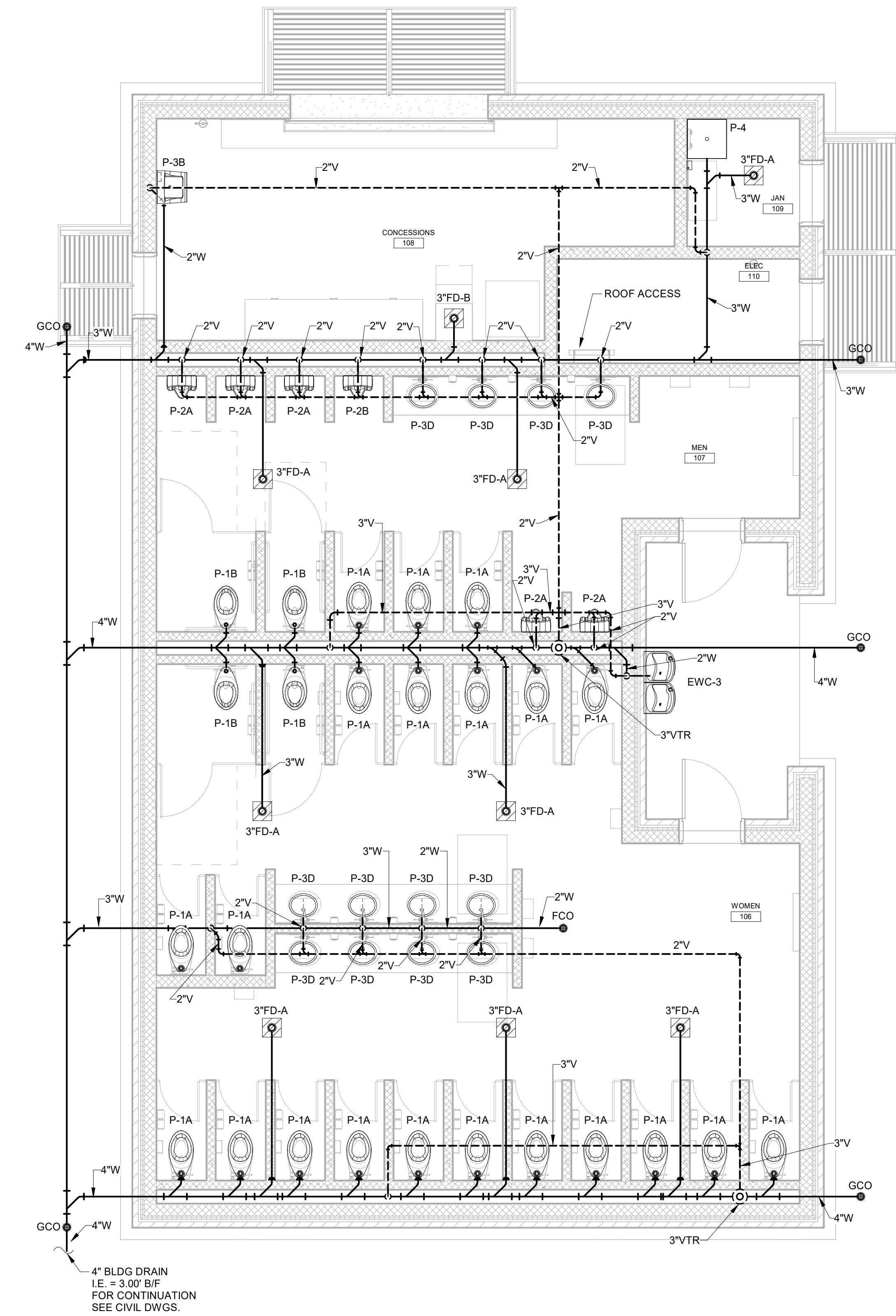
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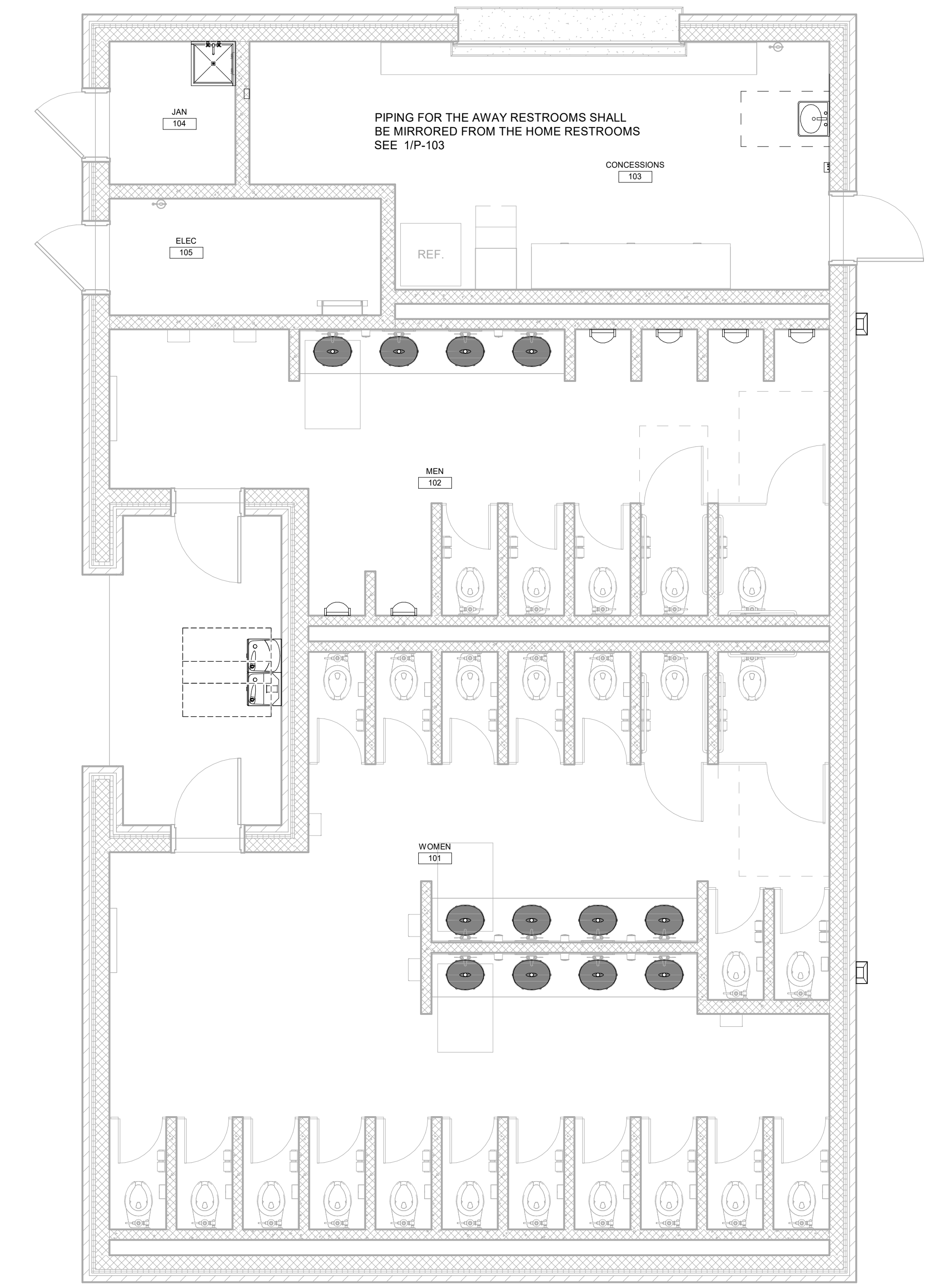
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DATE: 05/12/2023
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1ST FLOOR
DRAINAGE &
VENT PLAN -
RESTROOM /
CONCESSIONS

P-103



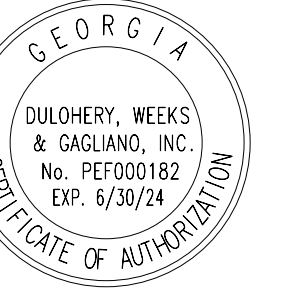
1 1ST FLOOR DRAINAGE & VENT PLAN - HOME RESTROOM
1/4" = 1'-0"



2 1ST FLOOR DRAINAGE & VENT PLAN - AWAY RESTROOM
1/4" = 1'-0"

NOTE: SEE HOME RESTROOM PLAN FOR ALL PLUMBING REQUIREMENTS.

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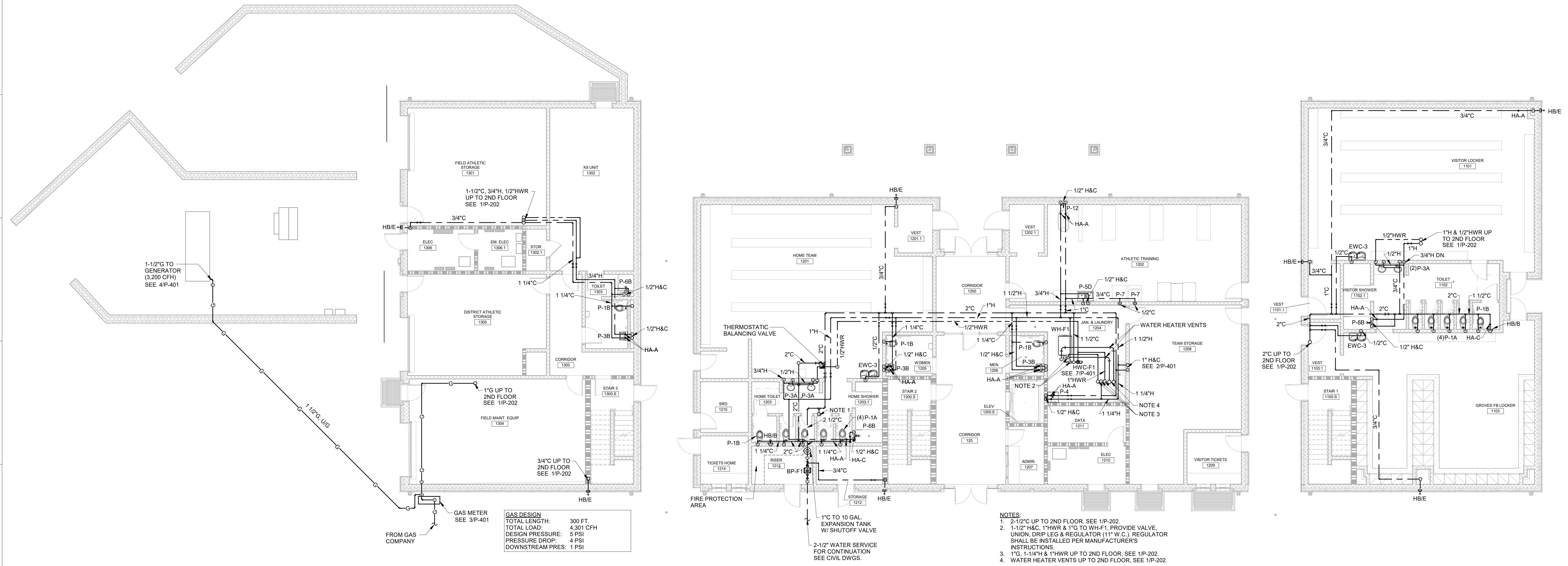
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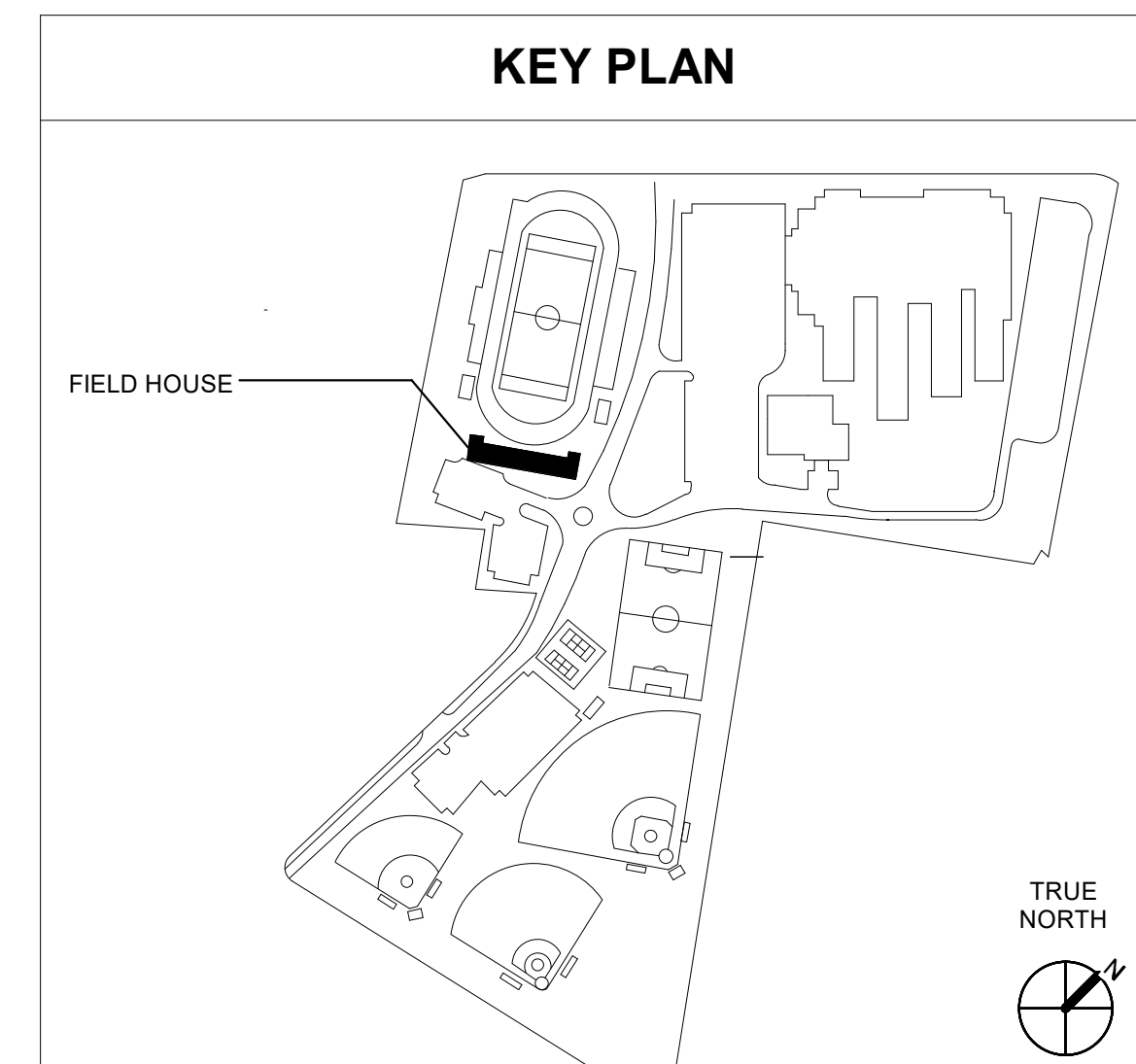
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1st FLOOR HOT & COLD WATER PLAN - FIELDHOUSE

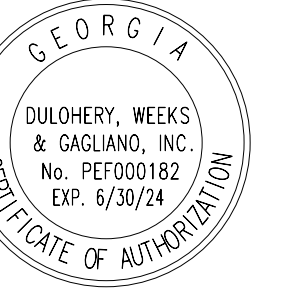
P-201



1 1st FLOOR HOT & COLD WATER PLAN - FIELDHOUSE
1/8" = 1'-0"



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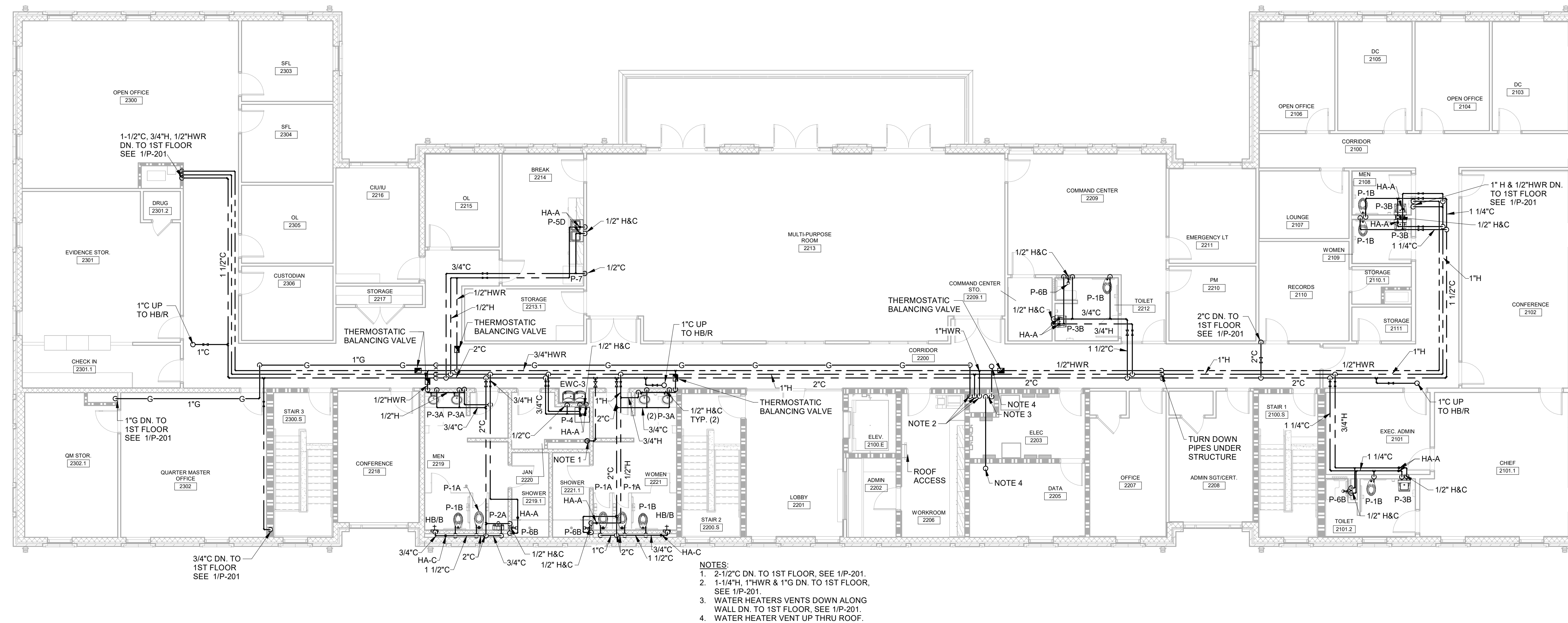
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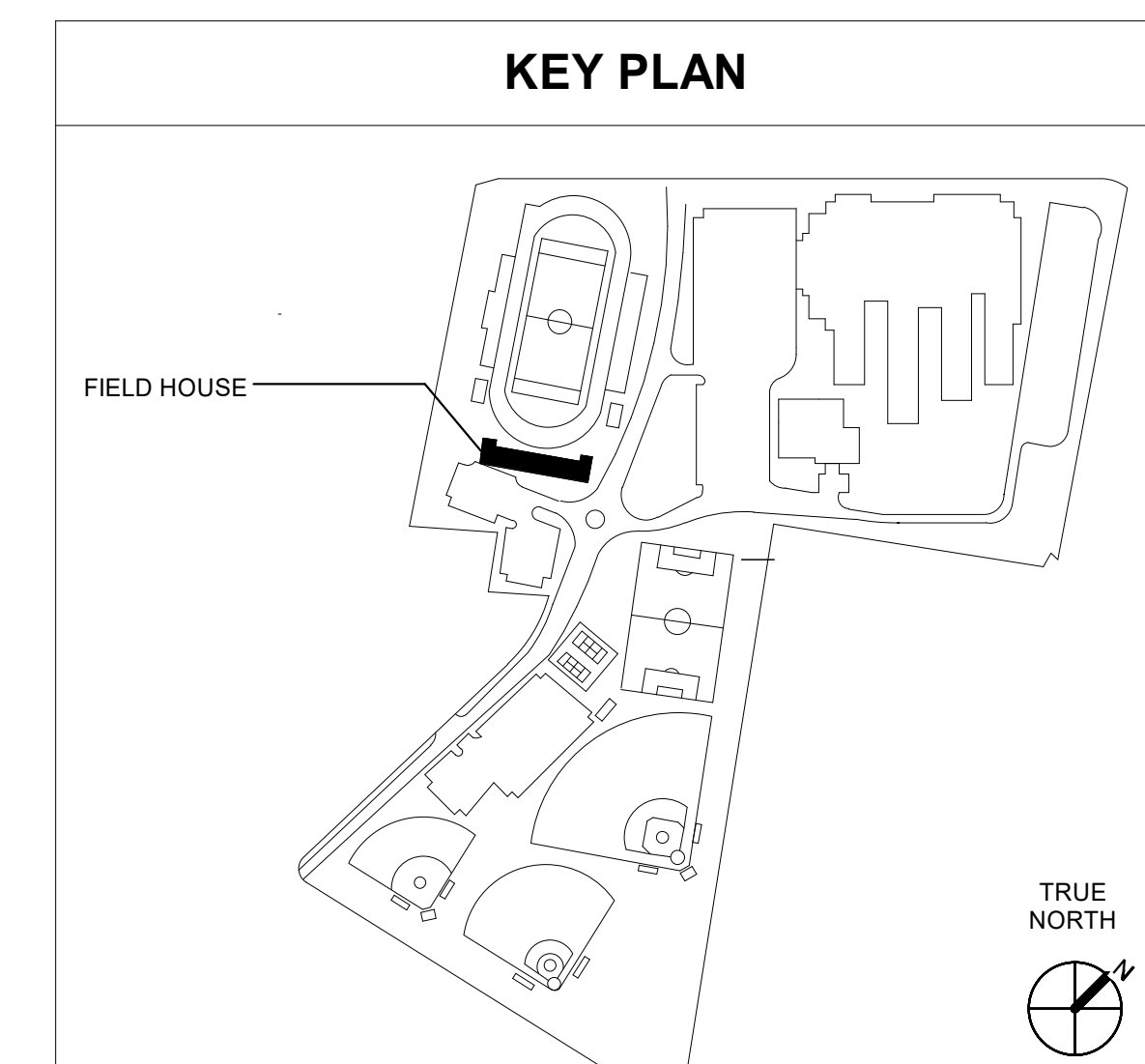
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2nd FLOOR
HOT & COLD
WATER PLAN -
FIELDHOUSE

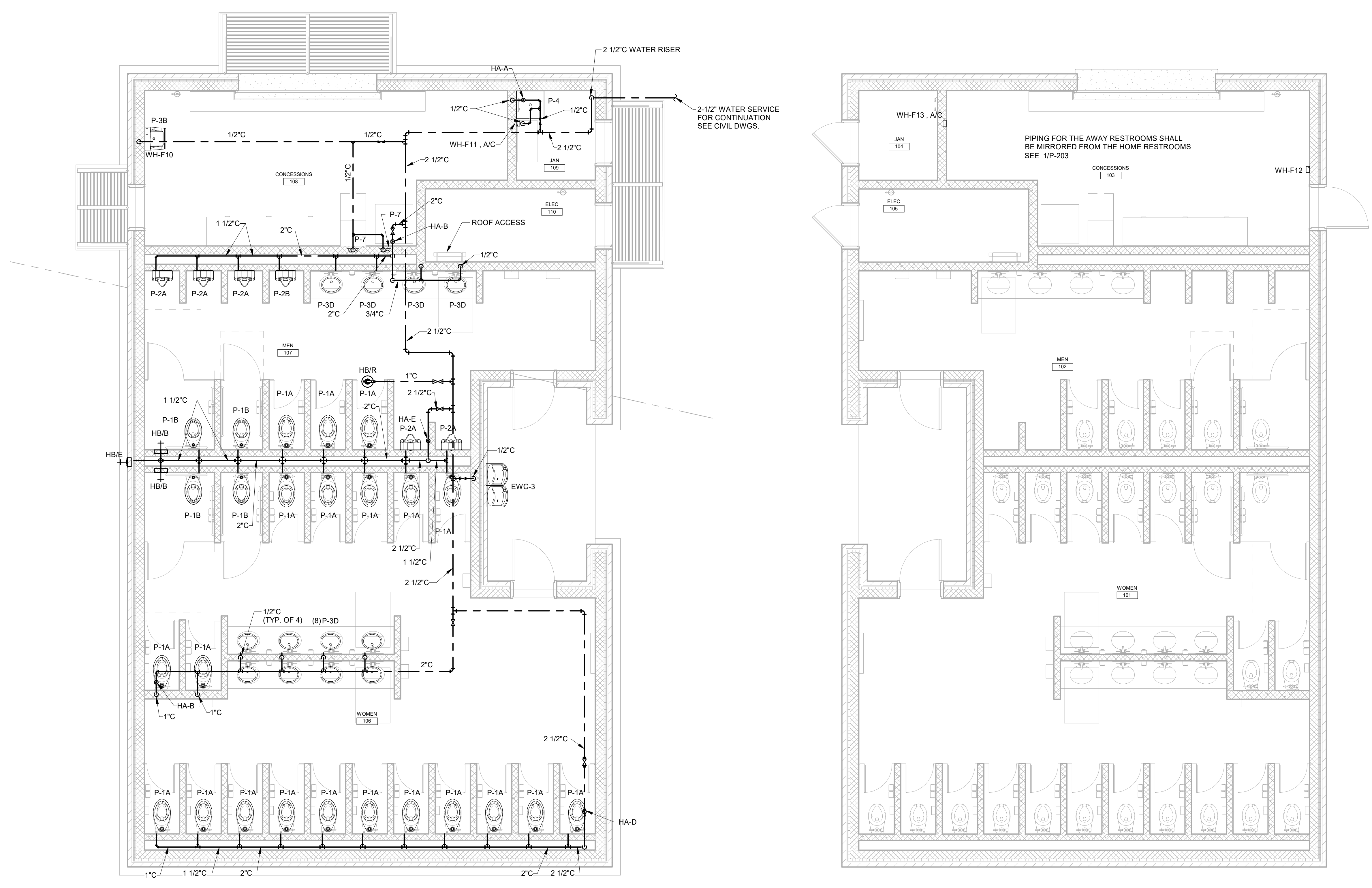
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1 2nd FLOOR HOT & COLD WATER PLAN - FIELDHOUSE
1/8" = 1'-0"



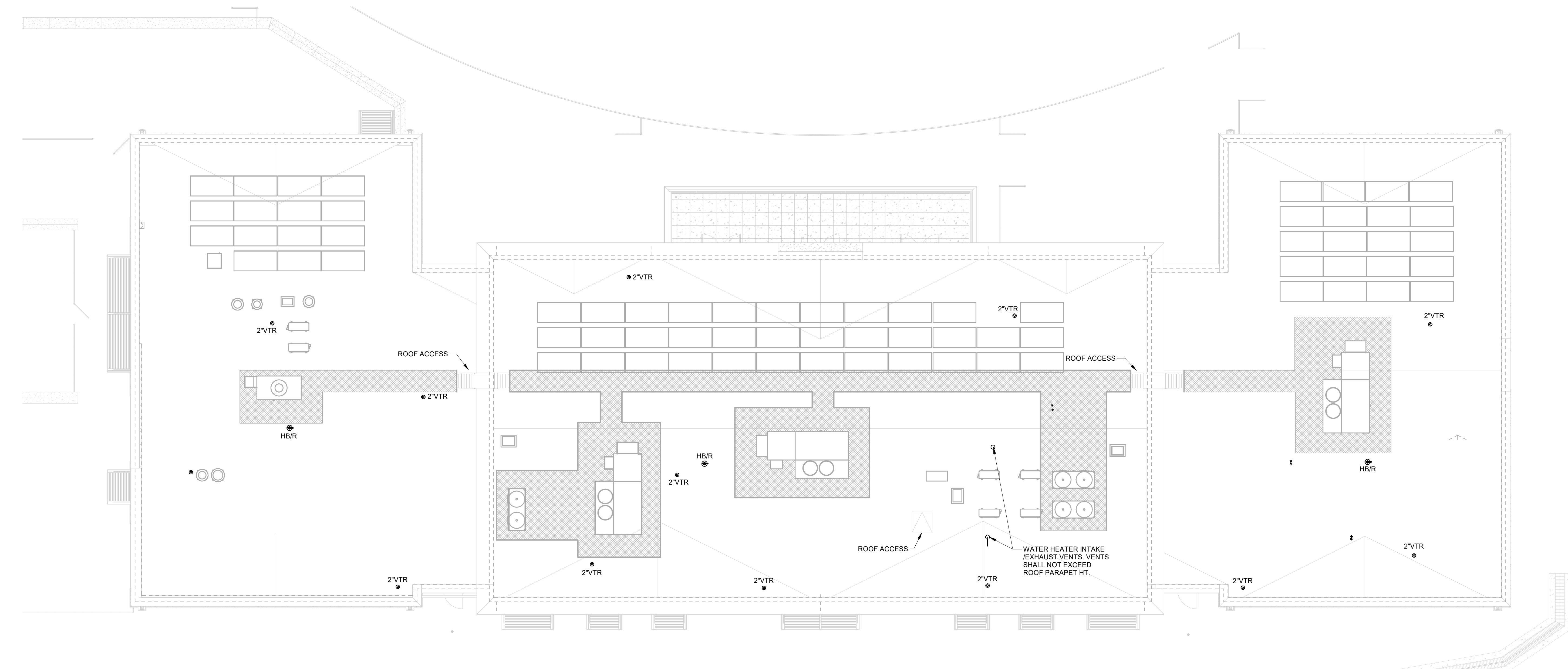
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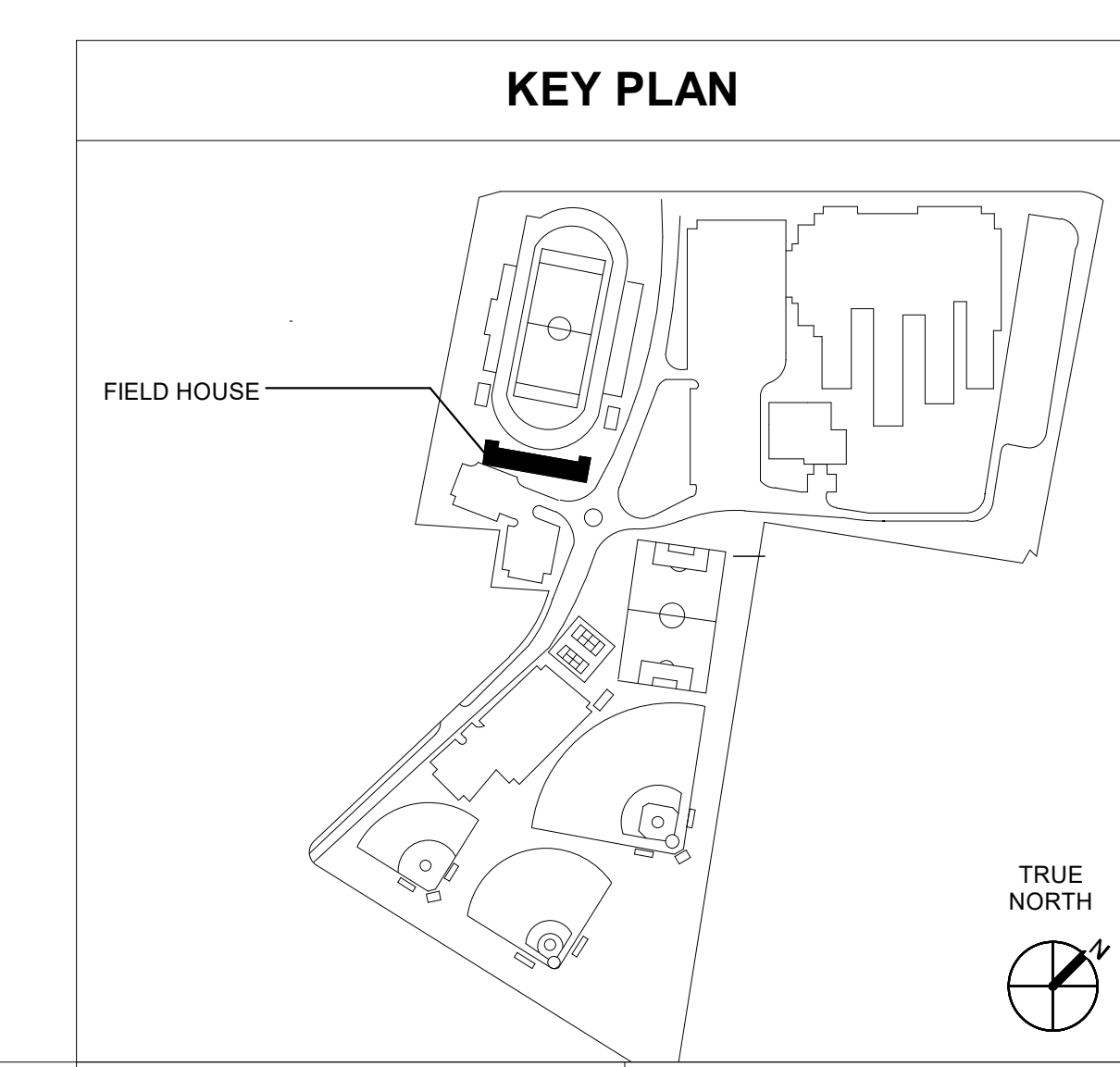
1 1ST FLOOR HOT & COLD WATER PLAN - HOME RESTROOM
1/4" = 1'-0"

2 1ST FLOOR HOT & COLD WATER PLAN - AWAY RESTROOM
1/4" = 1'-0"

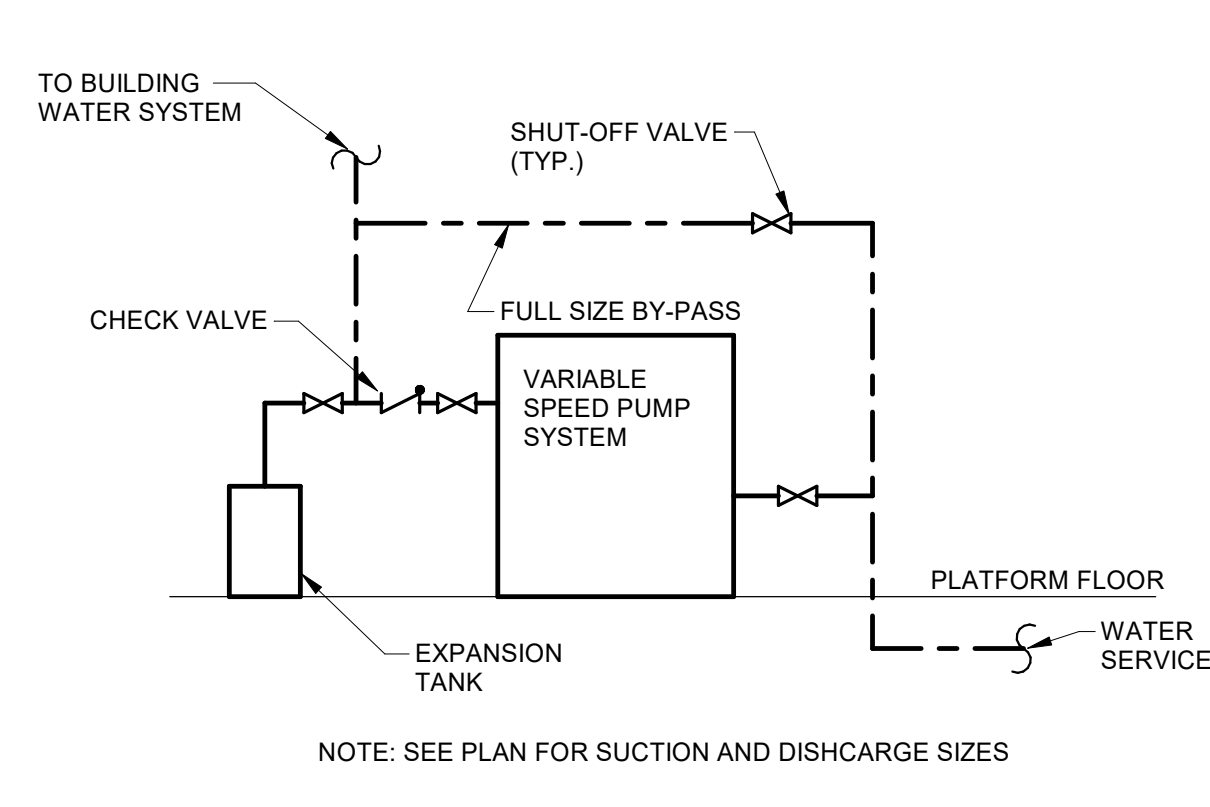
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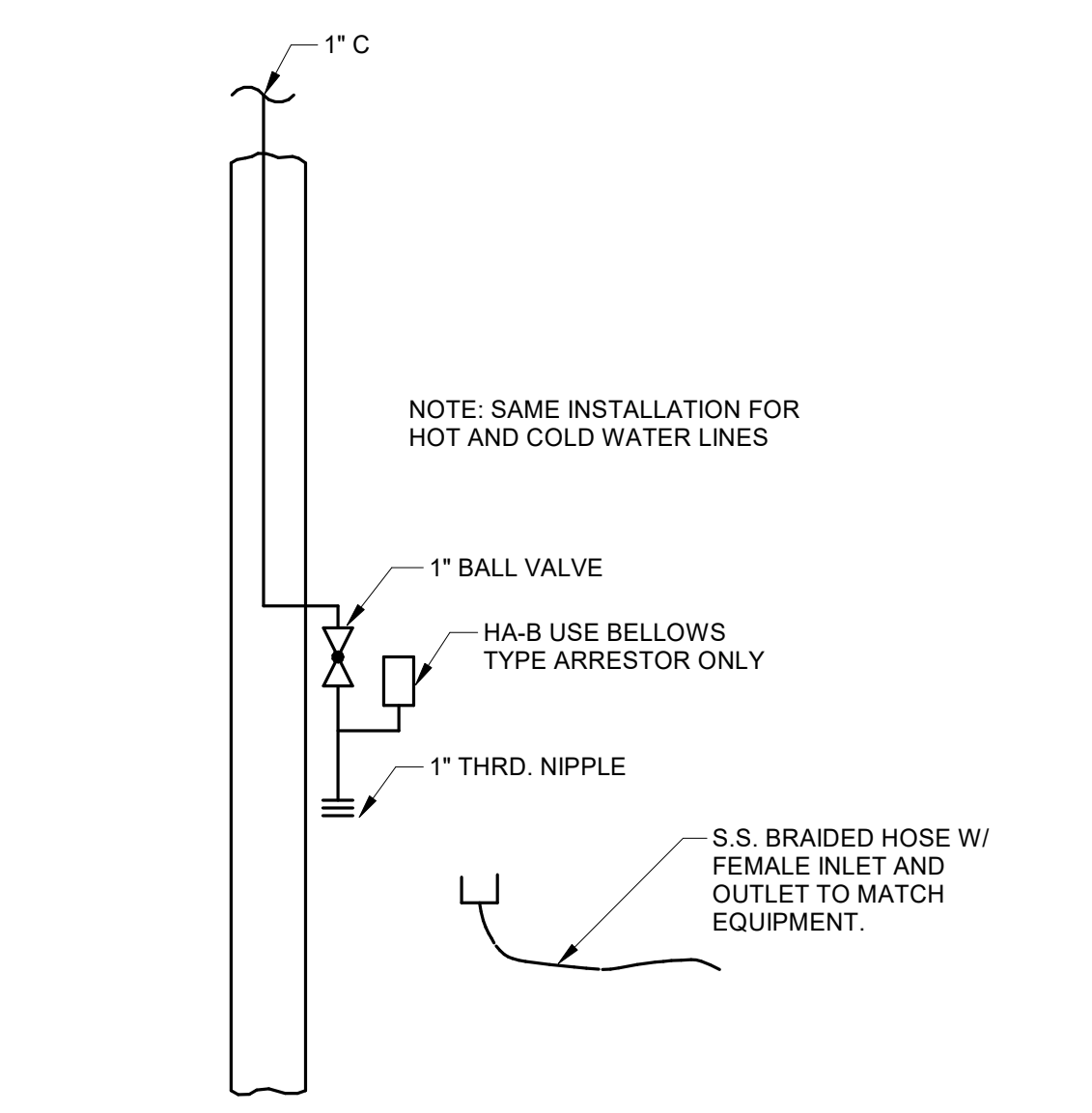
1 PLUMBING ROOF PLAN - FIELDHOUSE
1/8" = 1'-0"



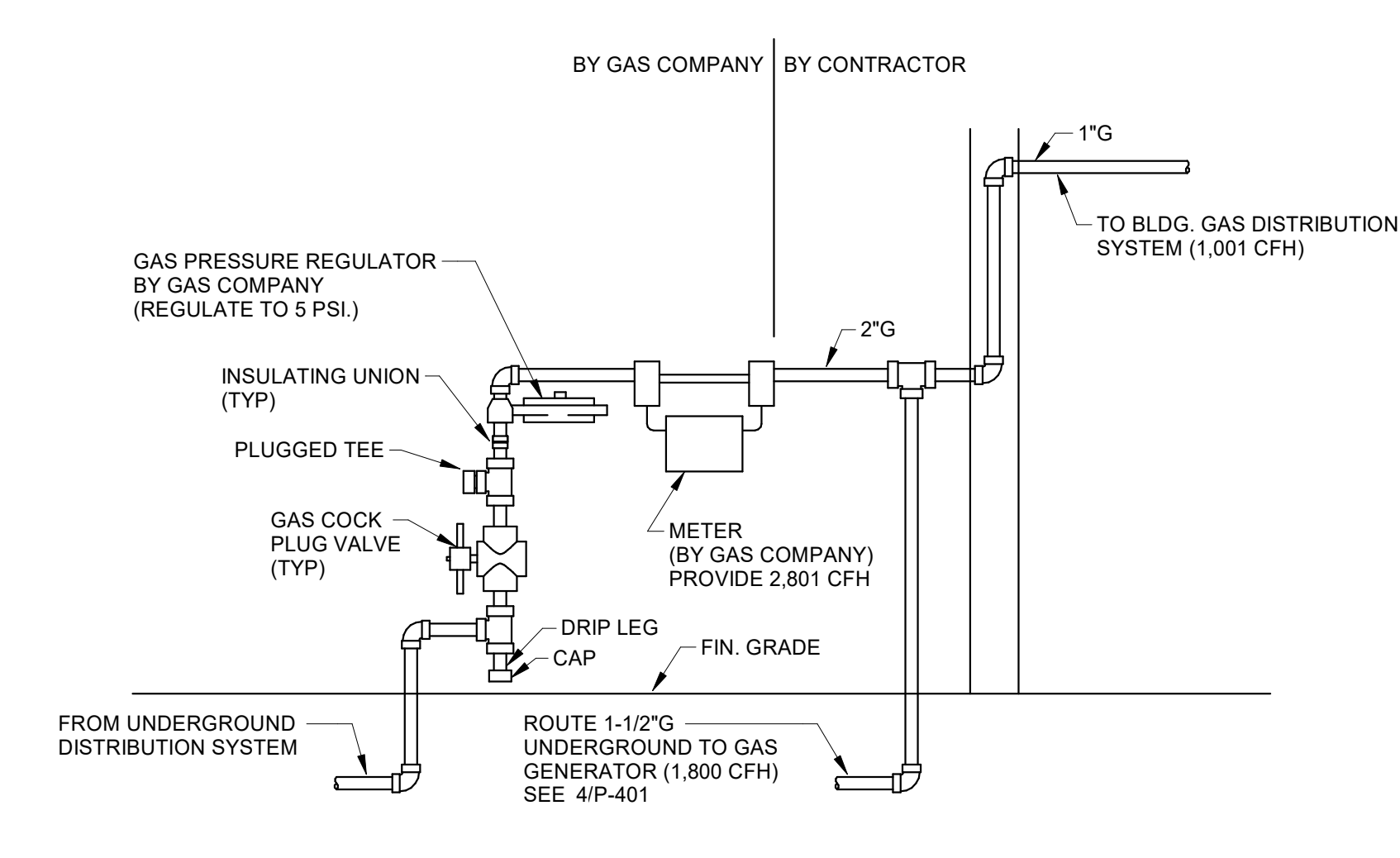
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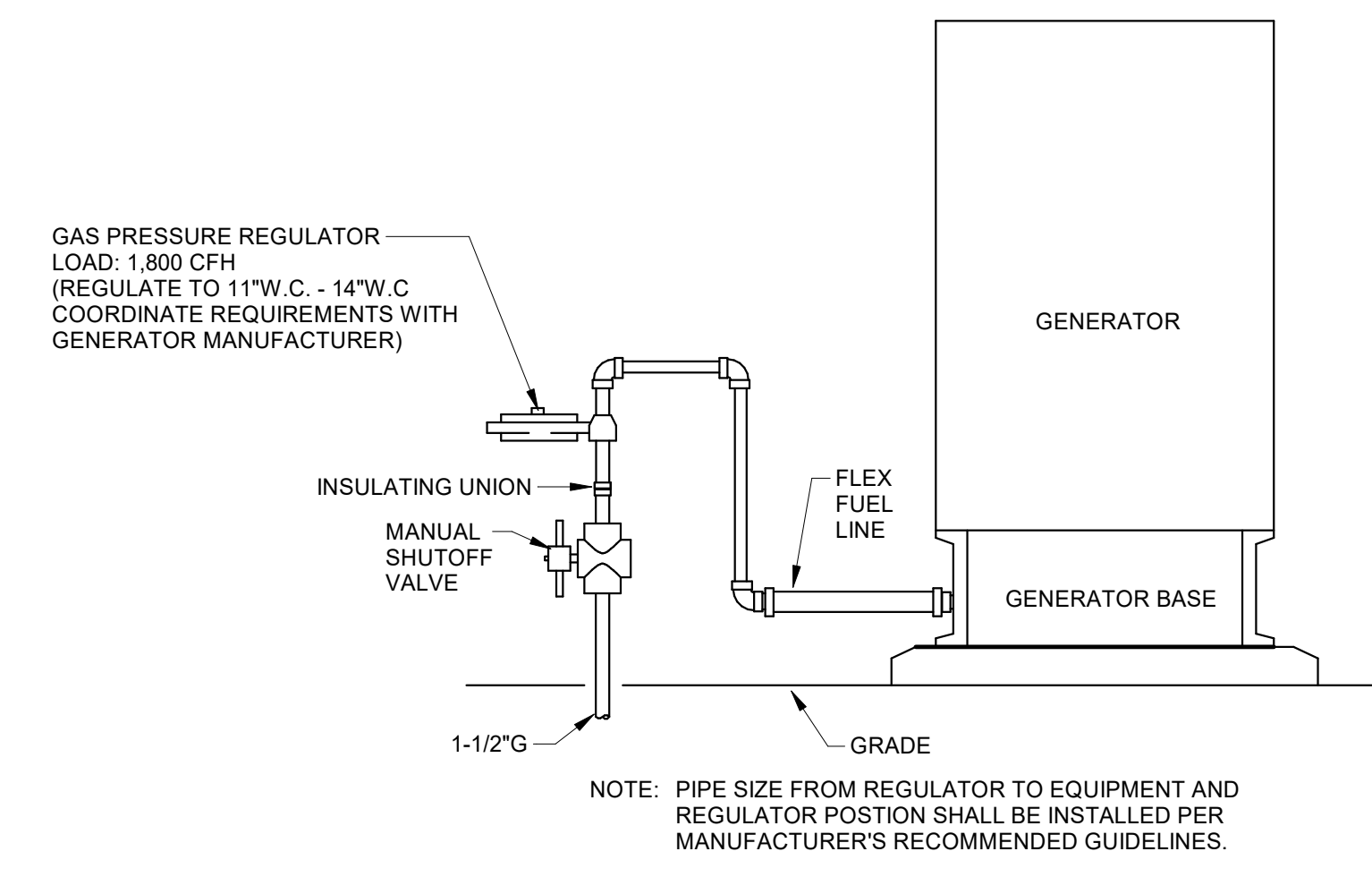
1 DOMESTIC BOOSTER PUMP DETAIL
NOT TO SCALE



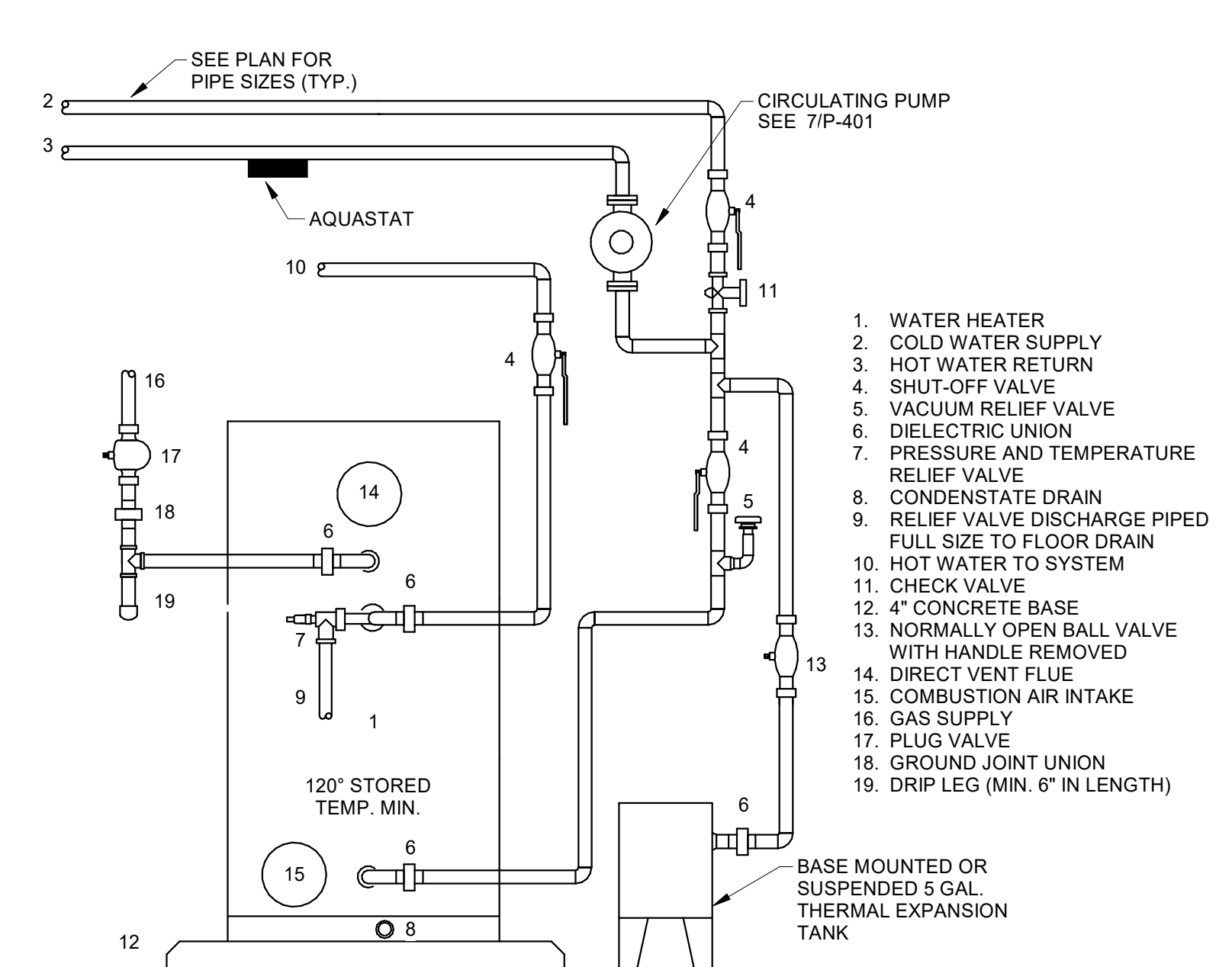
2 COMMERCIAL WASHER PIPING DETAIL
NOT TO SCALE



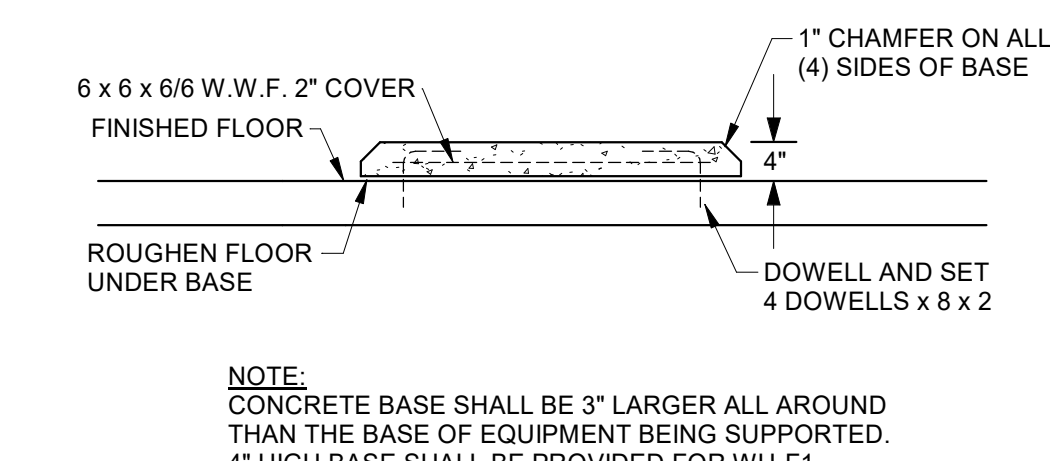
3 GAS METER / REGULATOR DETAIL
NOT TO SCALE



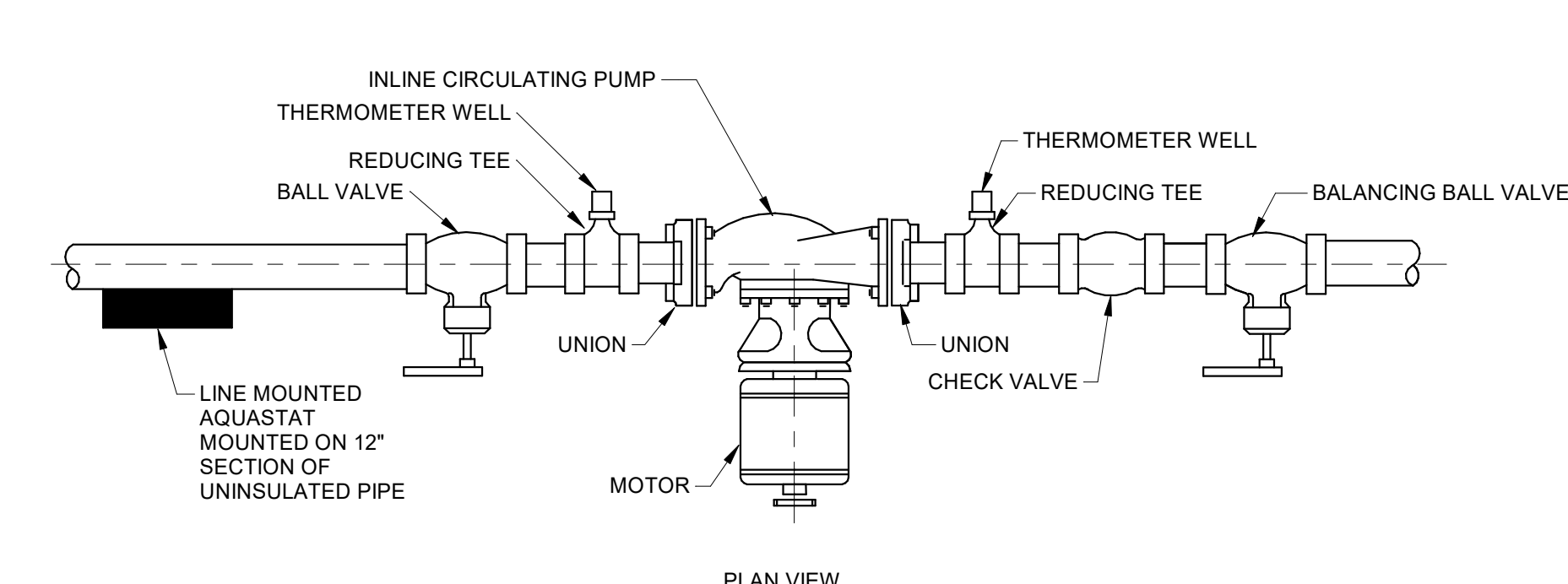
4 GENERATOR GAS REGULATOR DETAIL
NOT TO SCALE



5 TANKLESS FLOOR MOUNTED WATER HEATER DETAIL
NOT TO SCALE



6 4" HIGH CONCRETE BASE DETAIL
NOT TO SCALE

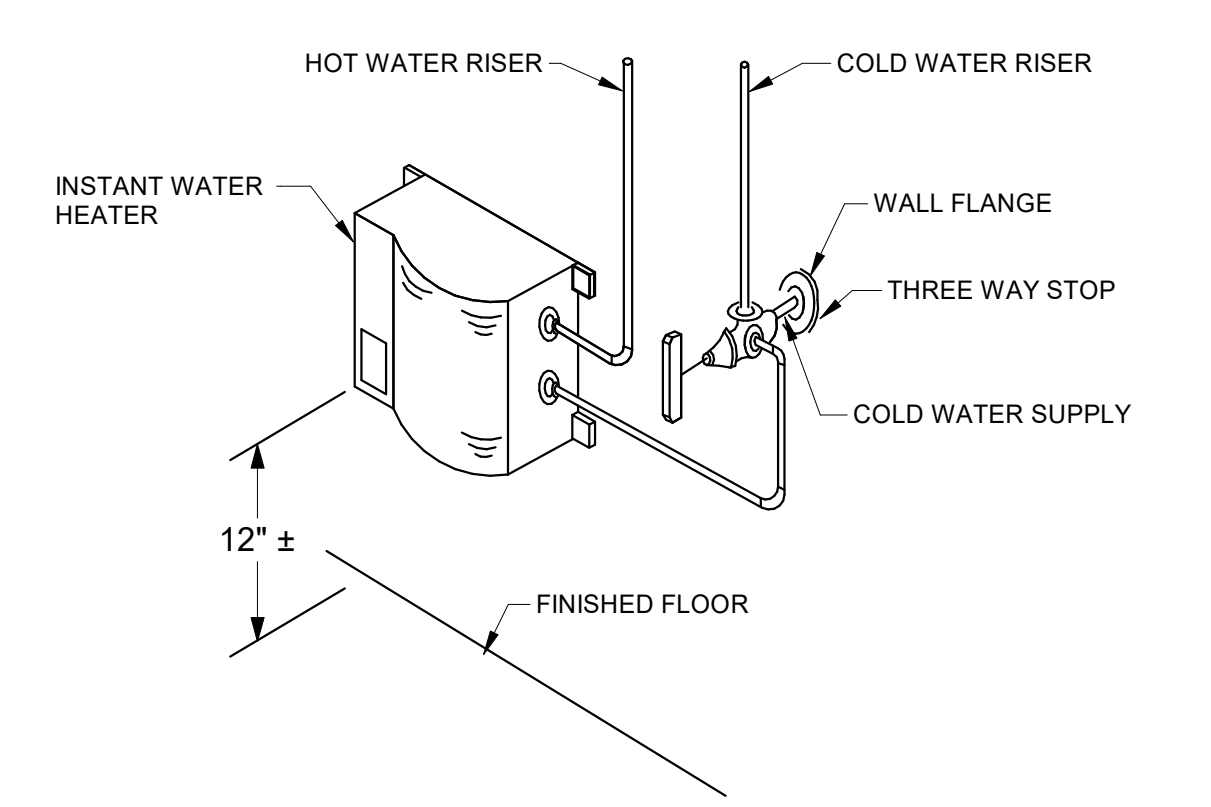


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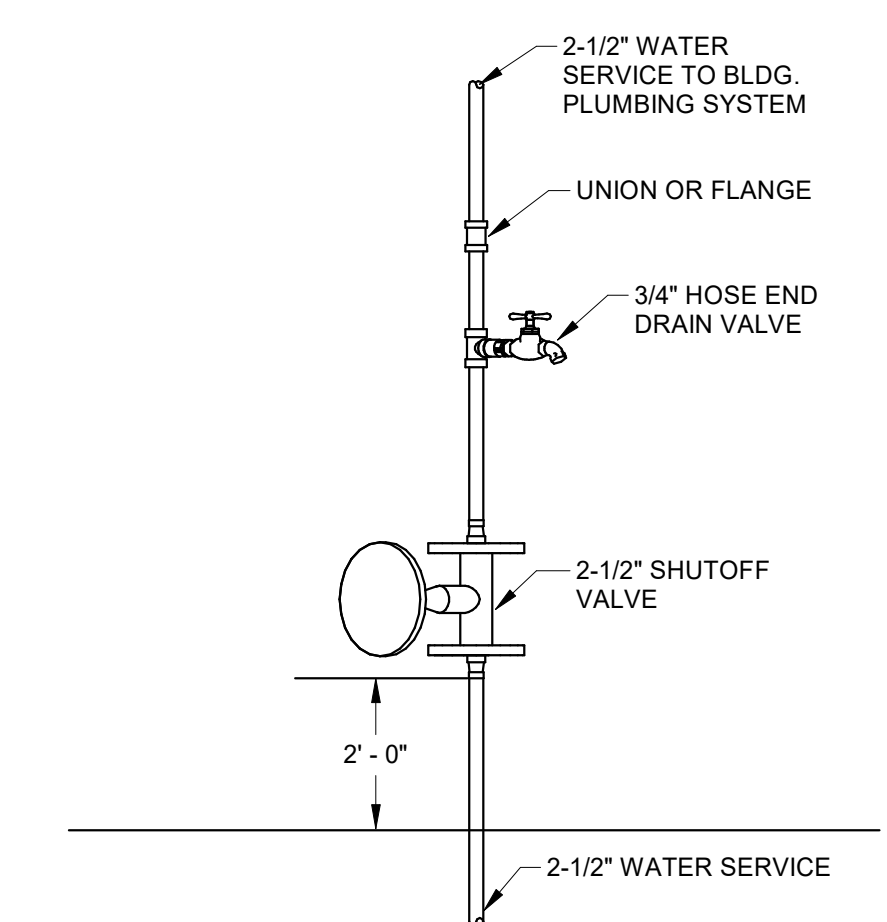
- THERMOMETER WALLS SHALL BE TURNED SO AS TO BE ABLE TO BE USED STANDING AT FLOOR LEVEL, OR ON LADDER.
- CIRCULATING PUMPS CONTROLLED BY AQUASTATS.

PUMP CONTROLS		
PUMP NO.	PUMP ON	PUMP OFF
HWC-1	110° F	120° F

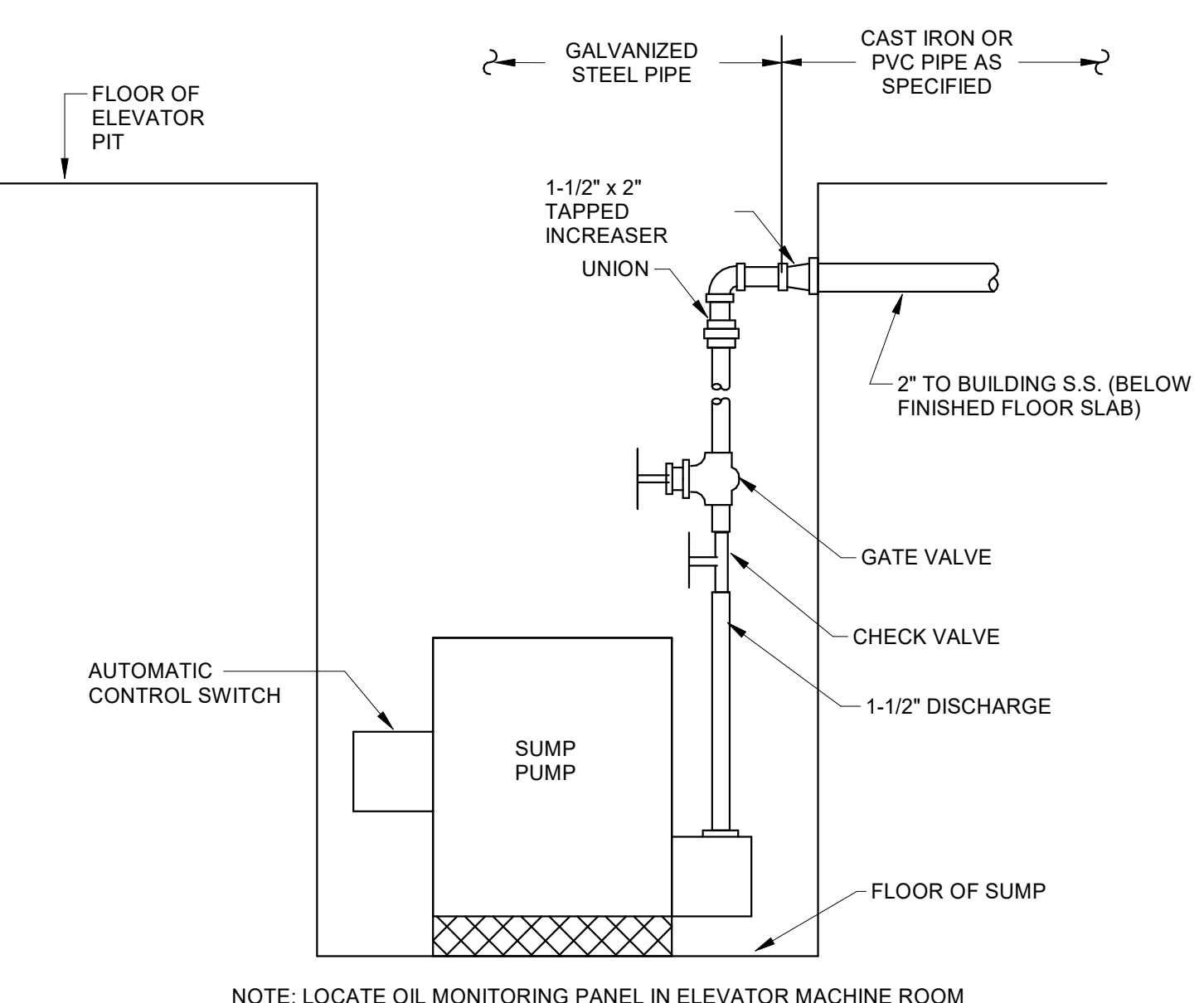
7 IN-LINE CIRCULATING PUMP DETAIL
NOT TO SCALE



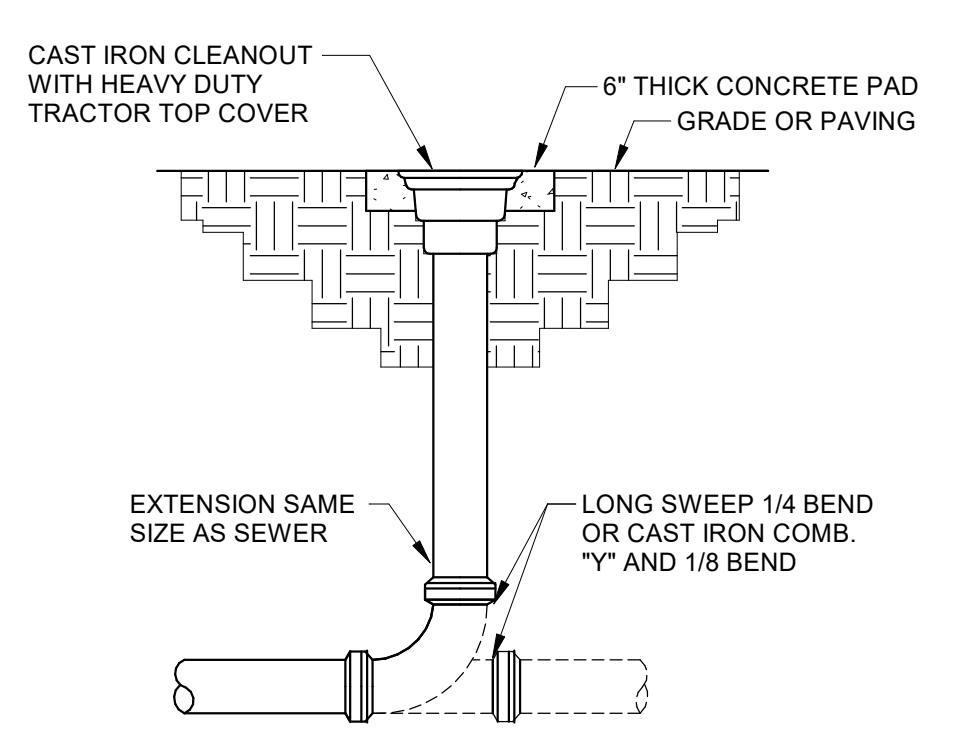
8 INSTANTANEOUS WATER HEATER DETAIL
NOT TO SCALE



9 HOME/AWAY RESTROOM WATER SERVICE RISER DETAIL
DIAGRAM ONLY



10 SUMP PUMP DETAIL
NOT TO SCALE



11 CLEANOUT DETAIL
NOT TO SCALE

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ENERGY RECOVERY VENTILATOR SCHEDULE

Table with columns for ITEM, AIRFLOW CFM, EXT. STATIC IN. WG, COOLING MODE DESIGN CONDITIONS, HEATING MODE DESIGN CONDITIONS, ENTHALPY WHEEL, WINTER CONDITIONS, SUPPLY FAN MAX HP., EXHAUST FAN MAX HP., and REMARKS.

- 1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 237210 FOR FURTHER INFORMATION.
2. INSTALL AIR TREATMENT DEVICE(S) IN ALL ERV UNITS.
3. PROVIDE TERMINAL STRIP CONNECTION FOR EMCS CONTROL BY OTHERS.

DEDICATED OUTDOOR AIR SYSTEM SCHEDULE

Table with columns for ITEM, AIRFLOW CFM O.A., EXT. STATIC IN. WG, COOLING CAPACITY @ 95°F O.A., ELECTRIC HEAT KW, and REMARKS.

- 1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 237110 FOR FURTHER INFORMATION.

ROOF AIR CONDITIONER SCHEDULE

Table with columns for ITEM, AIRFLOW CFM, EXT. STATIC IN. WG, COOLING CAPACITY @ 95°F O.A., ELEC. HEATER KW, and REMARKS.

- 1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 238310 FOR FURTHER INFORMATION.
2. INSTALL AN AIR TREATMENT DEVICE(S) IN ALL RAC UNITS.
3. INSTALL RAC-F1 ON COMBO CURB WITH ERV-F4. INSTALL RAC-F2 ON COMBO CURB WITH ERV-F5.

FAN SCHEDULE

Table with columns for ITEM, AIRFLOW CFM, EXT. STATIC IN. WG, TYPE, MAX. SONE RATING, MAX. FAN RPM, MAX. MOTOR HP, and REMARKS.

- 1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 232310 FOR FURTHER INFORMATION.

DUCTLESS HEAT PUMP SCHEDULE

Table with columns for ITEM, AIRFLOW CFM, EXT. STATIC IN. WG, COOLING CAPACITY @ 95°F O.A., and REMARKS.

- 1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 238110 FOR FURTHER INFORMATION.
2. INSTALL AN AIR TREATMENT DEVICE(S) IN ALL DAH UNITS.

ELECTRIC HEATER SCHEDULE

Table with columns for ITEM, TYPE, CAPACITY KW, AIRFLOW CFM, CONTROL, and REMARKS.

- 1. REFER TO ELECTRICAL PLANS FOR POWER CONNECTIONS. REFER TO SPEC SECTION 233110 FOR FURTHER INFORMATION.

AIR DISTRIBUTION SCHEDULE

Table with columns for DESIGNATION, DESCRIPTION, and REMARKS.

- 1. REFER TO SPEC SECTION 232210 FOR FURTHER INFORMATION.

LOUVER SCHEDULE

Table with columns for ITEM, TYPE, USE, SIZE, AIRFLOW CFM, PD. IN. WG, FREE AREA FPM, BPW FPP, and REMARKS.

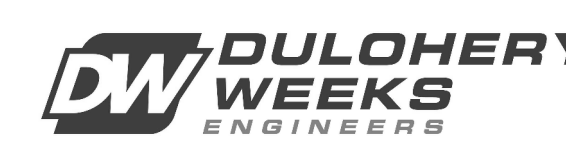
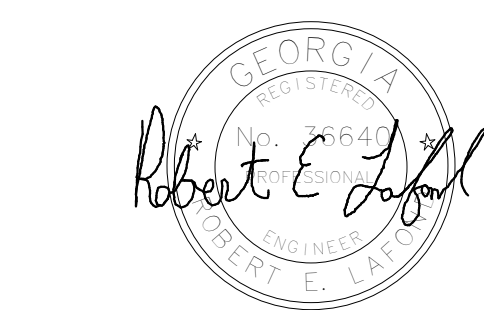
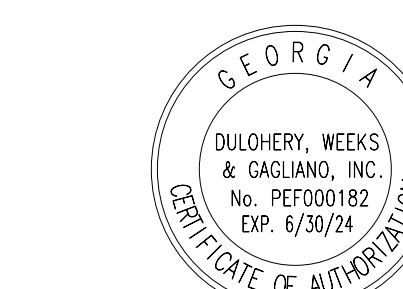
- 1. REFER TO SECTION 232210 FOR FURTHER INFORMATION.

MECHANICAL LEGEND

Legend table listing symbols and descriptions for SUPPLY AIR DUCT, RETURN AIR DUCT OR EXHAUST DUCT, DUCT TRANSITION, X-DIFFUSER TYPE / Y=THROW, Z=AIRFLOW, CFM, MD MANUAL DAMPER, MOTORIZED DAMPER, VAVD VARIABLE AIR VOLUME DAMPER, FD FIRE DAMPER, SD SMOKE DAMPER, TURNING VANES, FLEXIBLE DUCT CONNECTION, THERMOSTAT/TEMPERATURE SENSOR, HUMIDISTAT/HUMIDITY SENSOR, COMBO TEMP./HUMIDITY SENSOR, DUCT SMOKE DETECTOR, CONNECT TO EXISTING, SAV STAGED AIR VOLUME, DEHUM DEHUMIDIFICATION, DHP DUCTLESS HEAT PUMP, DAH DUCTLESS AIR HANDLER, RAC ROOFTOP AIR CONDITIONER, DOAS DEDICATED OUTDOOR AIR SYSTEM, ERV ENERGY RECOVERY VENTILATION UNIT, EH ELECTRIC HEATER, EF EXHAUST FAN, VRF VARIABLE REFRIGERANT FLOW, VAH VRF AIR HANDLER, VHP VRF HEAT PUMP, HRC MAIN HEAT RECOVERY CONTROLLER, SUB SUB HEAT RECOVERY CONTROLLER, EMCS ENERGY MANAGEMENT CONTROL SYSTEM, AD ACCESS DOOR, TD TRANSFER DUCT, ABD AUTOMATIC BALANCING DAMPER, DIA DIAMETER, OA OUTSIDE AIR, UG UNDERGROUND, W/ WITH, AFF ABOVE FINISH FLOOR, EXTERIOR DUCTWORK, SPIRAL DUCTWORK, DOUBLE-WALL DUCTWORK, LINED DUCTWORK, HVAC DRAIN PIPING, REFRIGERANT PIPING, DOAS DEDICATED OUTSIDE AIR SYSTEM.

GENERAL MECHANICAL NOTES

- 1. THE DRAWINGS SHOW THE GENERAL ARRANGEMENT AND LOCATIONS OF THE MECHANICAL WORK. THE CONTRACTOR SHALL COORDINATE THE MECHANICAL INSTALLATION WITH THE STRUCTURE AND ALL OTHER TRADES. PERFORM ALL WORK IN ACCORDANCE WITH 2018 INTERNATIONAL MECHANICAL CODE (IMC) AND GEORGIA AMENDMENTS.
2. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF THE CEILING MOUNTED DEVICES.
3. DUCTWORK SHOWN ON THE PLANS IS SIZED AND ROUTED BASED ON INFORMATION AVAILABLE DURING DESIGN PHASE FOR CEILING HEIGHTS, STRUCTURAL MEMBERS, ETC. ALL DUCT SIZES AND ROUTINGS MUST BE CONFIRMED IN THE FIELD BY THE CONTRACTOR PRIOR TO FABRICATION AND INSTALLATION. WHERE CONFLICTS ARISE, REFER TO THE ENGINEER.
4. REFER TO DETAIL 1M3.0 FOR SENSOR MOUNTING.
5. ALL CONCEALED SUPPLY AIR AND RETURN AIR DUCTWORK SHALL HAVE ONE LAYER OF TYPE 'A' DUCT WRAP. ALL LINED DUCTWORK CALLED OUT ON PLANS SHALL HAVE ONE LAYER OF TYPE 'A' DUCT LINER. ALL EXPOSED RECTANGULAR DUCTWORK SHALL HAVE ONE LAYER OF TYPE 'A' DUCT LINER AND SHALL HAVE PAINT GRIP FINISH WITH COLOR SELECTED BY ARCHITECT. GENERAL EXHAUST AIR DUCTWORK SHALL NOT BE INSULATED.
6. INCLUDE ALL REQUIRED REFRIGERANT PIPING ACCESSORIES AND INCREASE PIPE SIZES AS NEEDED FOR LONG LINE LENGTH APPLICATIONS.
7. ROOF MOUNTED EQUIPMENT SHALL BE LOCATED 10 FEET MINIMUM FROM ROOF EDGE.
8. DEVICES REQUIRED TO BE ACCESSIBLE SHALL NOT BE INSTALLED ABOVE DRYWALL CEILINGS. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF HARD CEILINGS.
9. SMOKE DAMPERS SHALL BE ACTUATED BY CEILING MOUNTED SMOKE DETECTORS FURNISHED AND INSTALLED BY DIV. 26/27.



REVISIONS:

Table with columns for No., Description, Date.

MECHANICAL LEGEND & SCHEDULES



321 WEST CONGRESS STREET SUITE 301
SAVANNAH, GEORGIA 31401
TEL. 912.695.2111 FAX 912.298.0206
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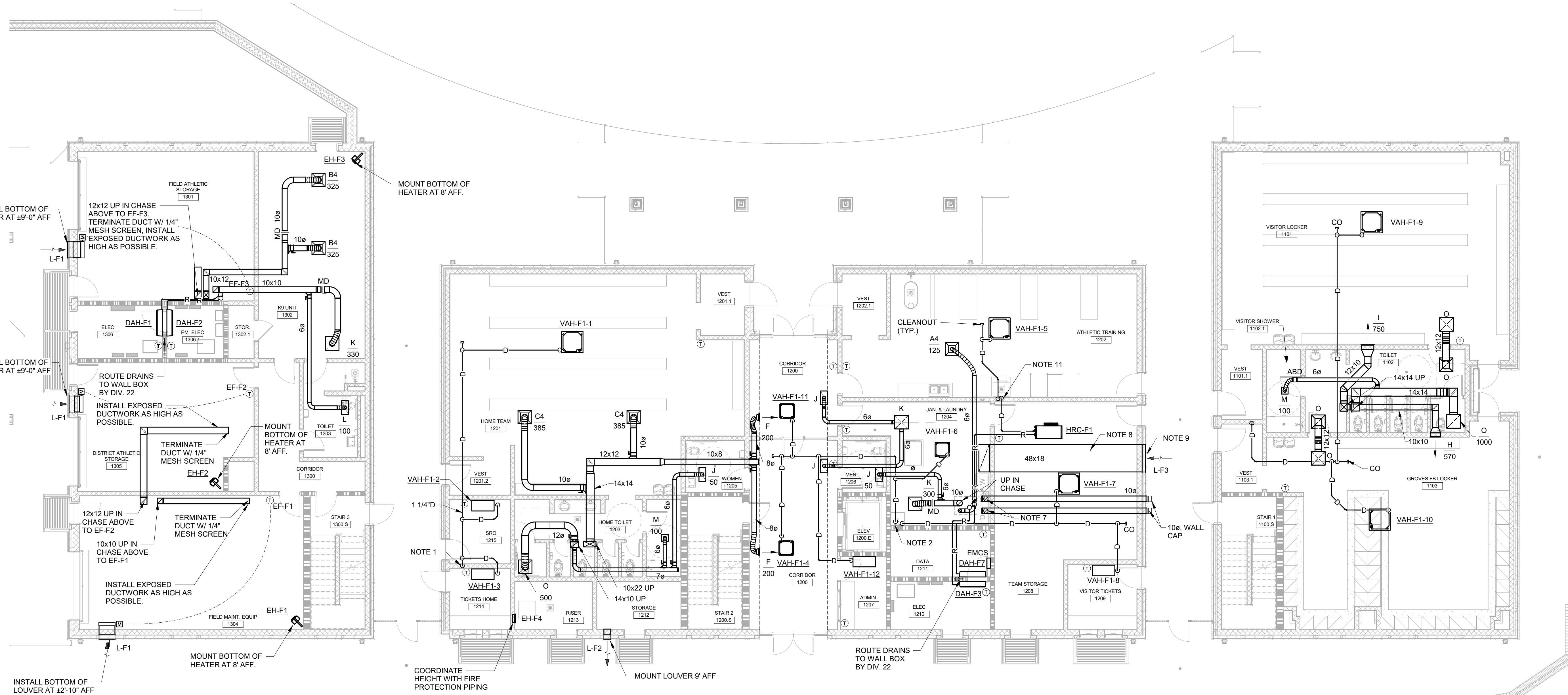
No.	Description	Date

PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: CRS
CHECKED BY: JFS

1ST FLOOR MECHANICAL PLAN - FIELDHOUSE

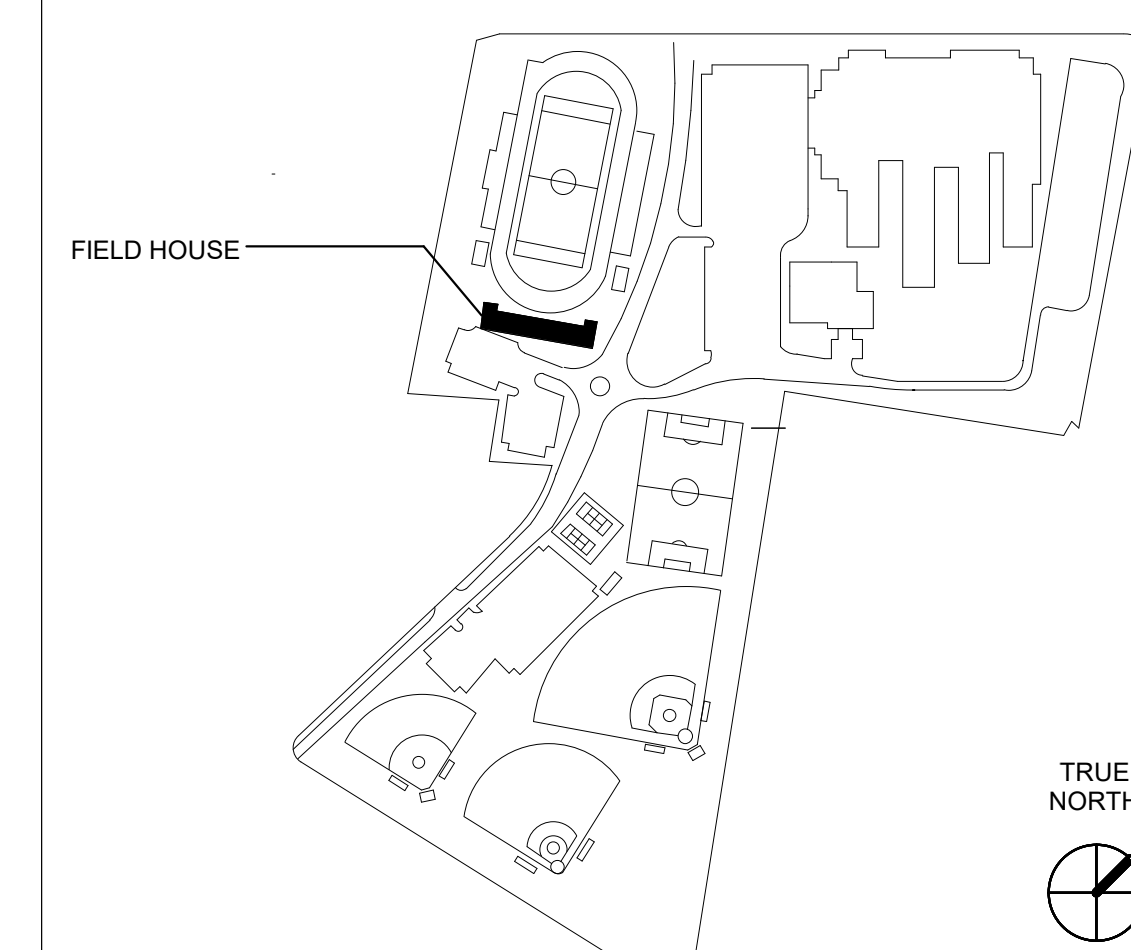
M-101

- NOTES:
- ROUTE 1 1/4" DRAIN TO WALL BOX BY DIV. 22.
 - ROUTE 1 1/4" DRAIN TO MOP SINK.
 - ROUTE 1 1/4" DRAIN TO SINK TAILPIECE BY DIV. 22.
 - (2) 8ø DUCT CONNECTIONS FOR FUTURE COMMERCIAL DRYERS. INSTALL COMMERCIAL DRYER EXHAUST PER MANUFACTURER'S INSTALLATION MANUAL.
 - DUCTED MAKEUP AIR FOR FUTURE COMMERCIAL DRYERS. INSTALL COMMERCIAL DRYER MAKEUP AIR PER MANUFACTURER'S INSTALLATION MANUAL.
 - UNDERCUT ALL DOORWAYS TO MEET ASHRAE 15 REQUIREMENTS FOR REFRIGERATION LEAKS.
 - 8ø DUCT CONNECTION FOR COMMERCIAL DRYER. INSTALL COMMERCIAL DRYER EXHAUST PER MANUFACTURER'S INSTALLATION MANUAL.
 - DUCTED MAKEUP AIR FOR COMMERCIAL DRYER. INSTALL COMMERCIAL DRYER MAKEUP AIR PER MANUFACTURER'S INSTALLATION MANUAL. TERMINATE DUCTWORK WITHIN 12" AFF.
 - MOUNT BOTTOM OF LOUVER ±9'-4" AFF IN BLOCK COURSE WITH BAROMETRIC RELIEF DAMPER. 1 SQ. FT. MINIMUM FREE AREA.
 - TRANSITIONS SHALL BE FLAT ON BOTTOM SIDE.
 - ROUTE DRAIN PIPING DOWN IN WALL TO FLOOR DRAIN UNDER ICE MAKER. STUB OUT AS LOW AS POSSIBLE.



1 1ST FLOOR-MECHANICAL PLAN
1/8" = 1'-0"

KEY PLAN

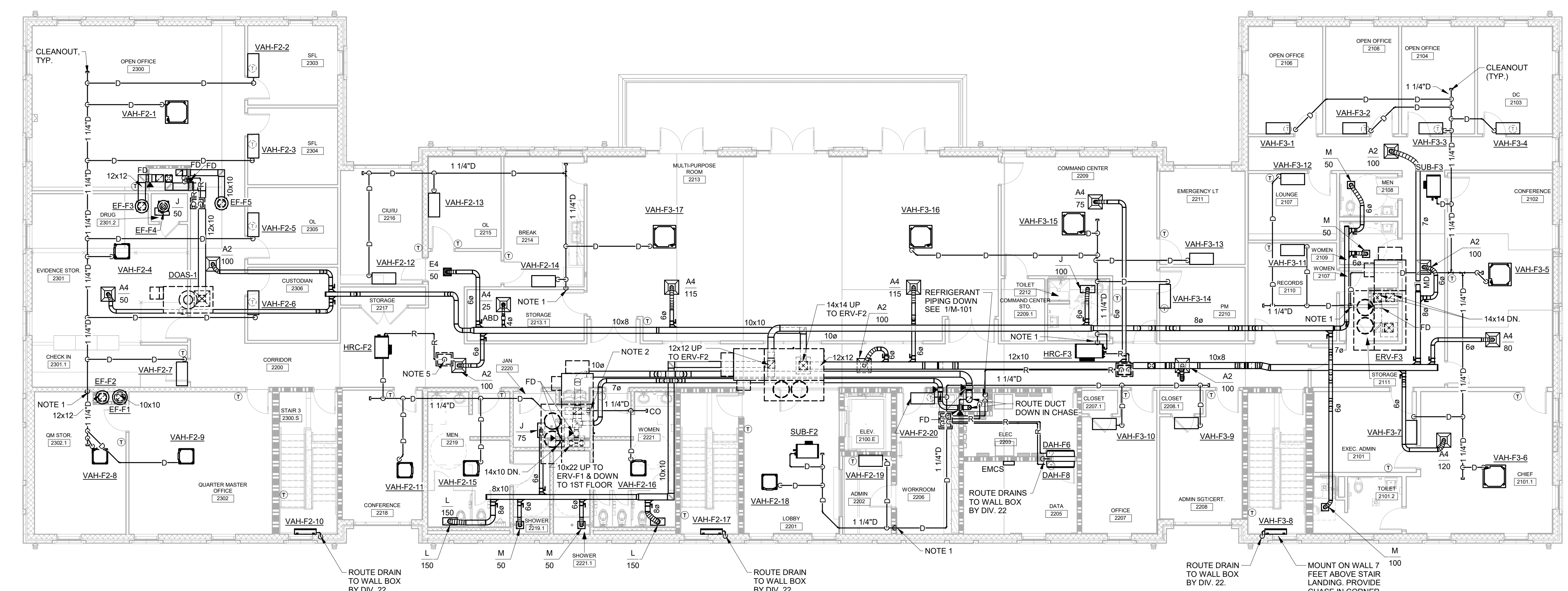
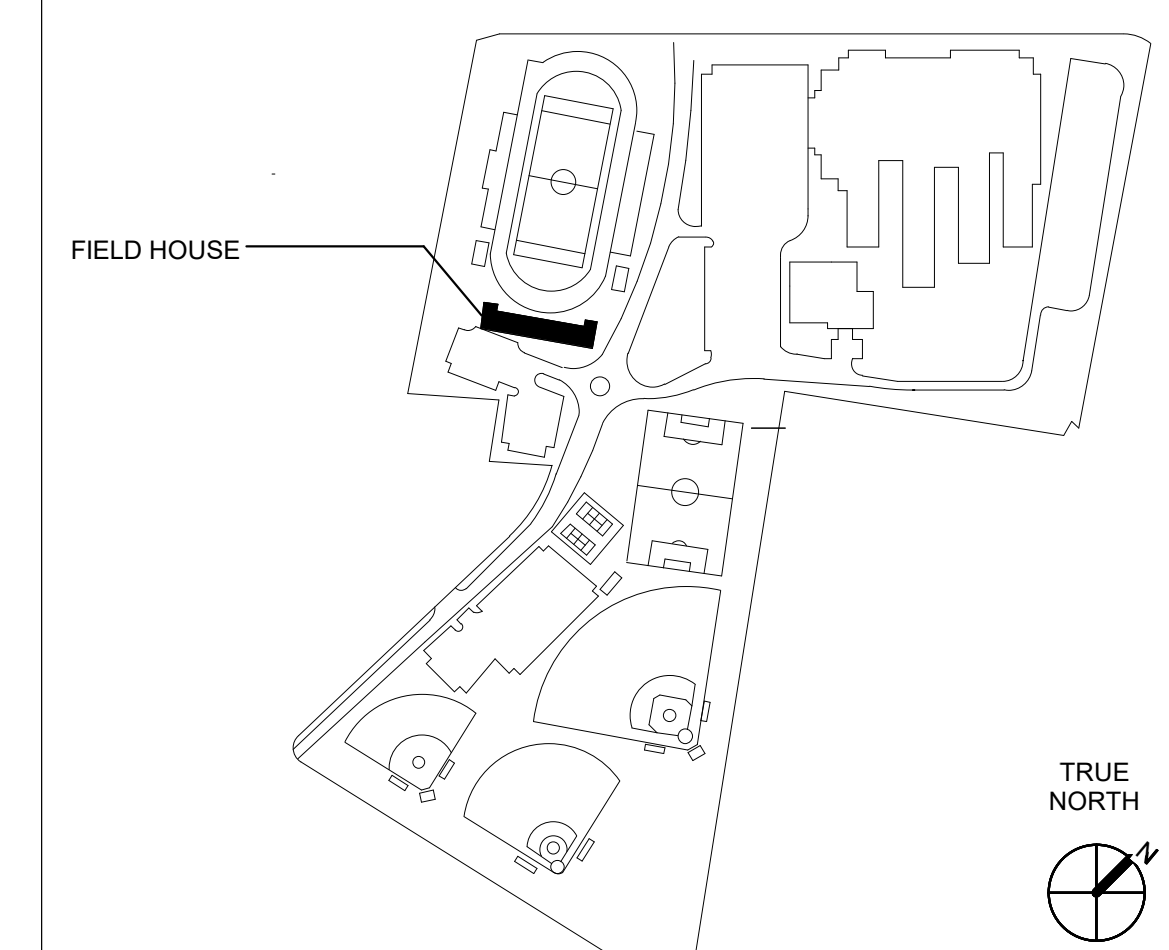


B:\360\5201-192070\SCCPSS NEW K-12 ATHLETICS\MECH_GrovesK12_Fieldhouse_R230.rvt
5/26/2023 8:09:50 AM

NOTES:

- ROUTE 1 1/4" DRAIN TO WALL BOX BY DIV. 22.
- ROUTE 1 1/4" DRAIN TO MOP SINK.
- ROUTE 1 1/4" DRAIN TO SINK TAILPIECE BY DIV. 22.
- UNDERCUT ALL DOORWAYS TO MEET ASHRAE 15'S REQUIREMENTS FOR REFRIGERATION LEAKS.
- REFRIGERANT PIPING UP TO ASSOCIATED VHP ON ROOF. SEE MECHANICAL ROOF PLAN FOR CONTINUATION.

KEY PLAN



1 2ND FLOOR-MECHANICAL PLAN
1/8" = 1'-0"

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5/26/2023 8:10:03 AM



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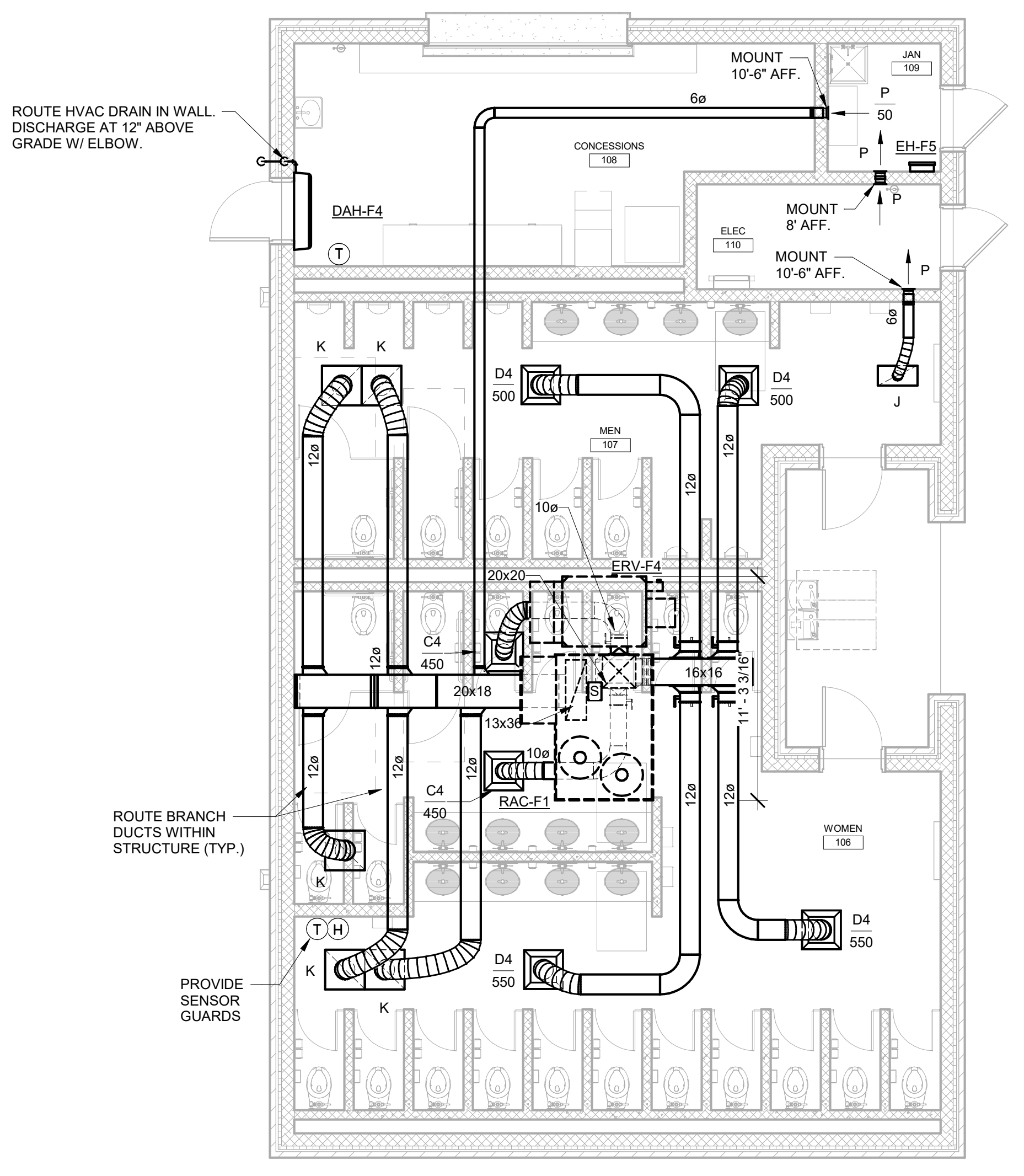
REVISIONS:

No.	Description	Date

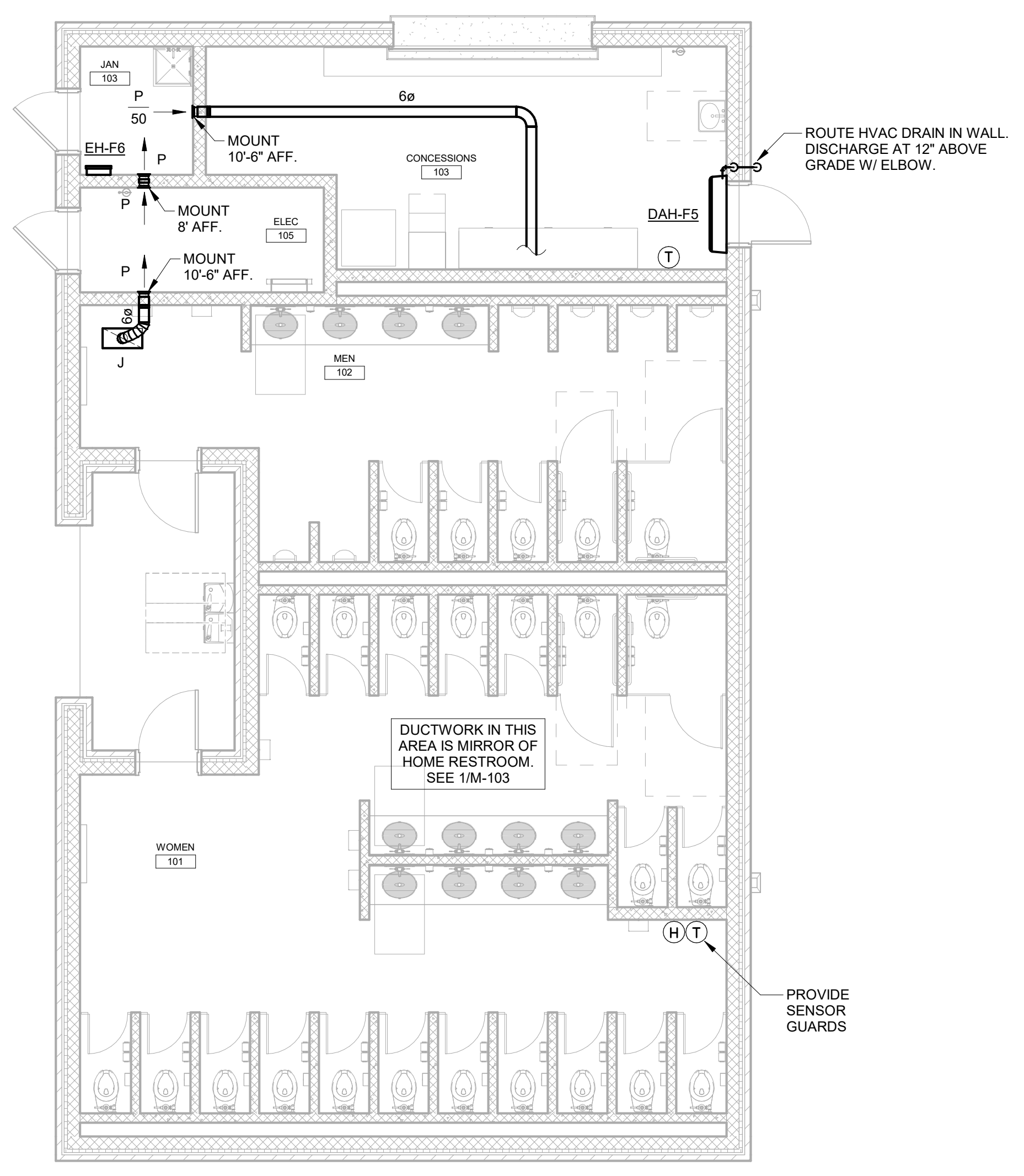
PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: CRS
CHECKED BY: JFS

1ST FLOOR MECHANICAL PLAN - RESTROOM / CONCESSIONS

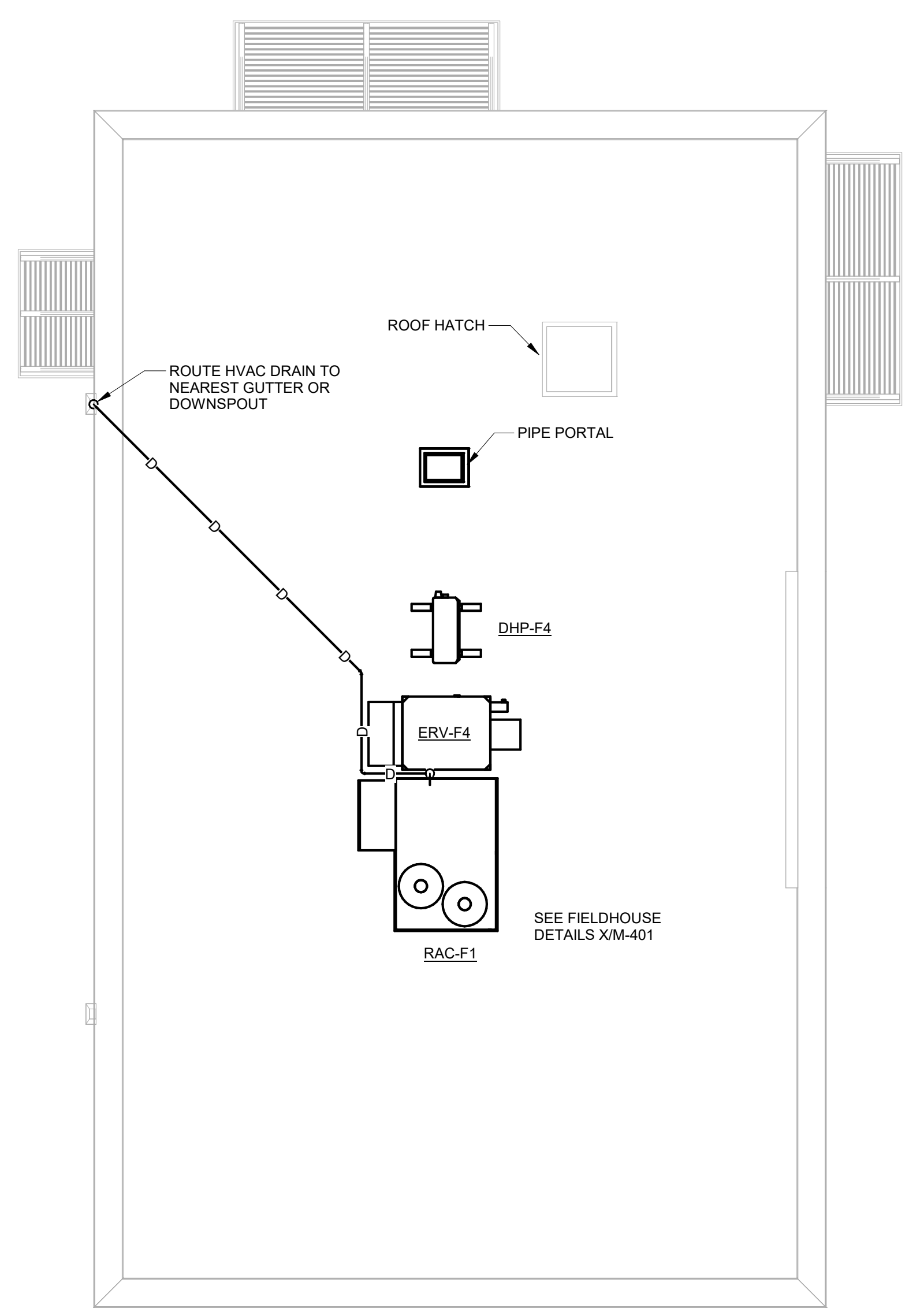
M-103



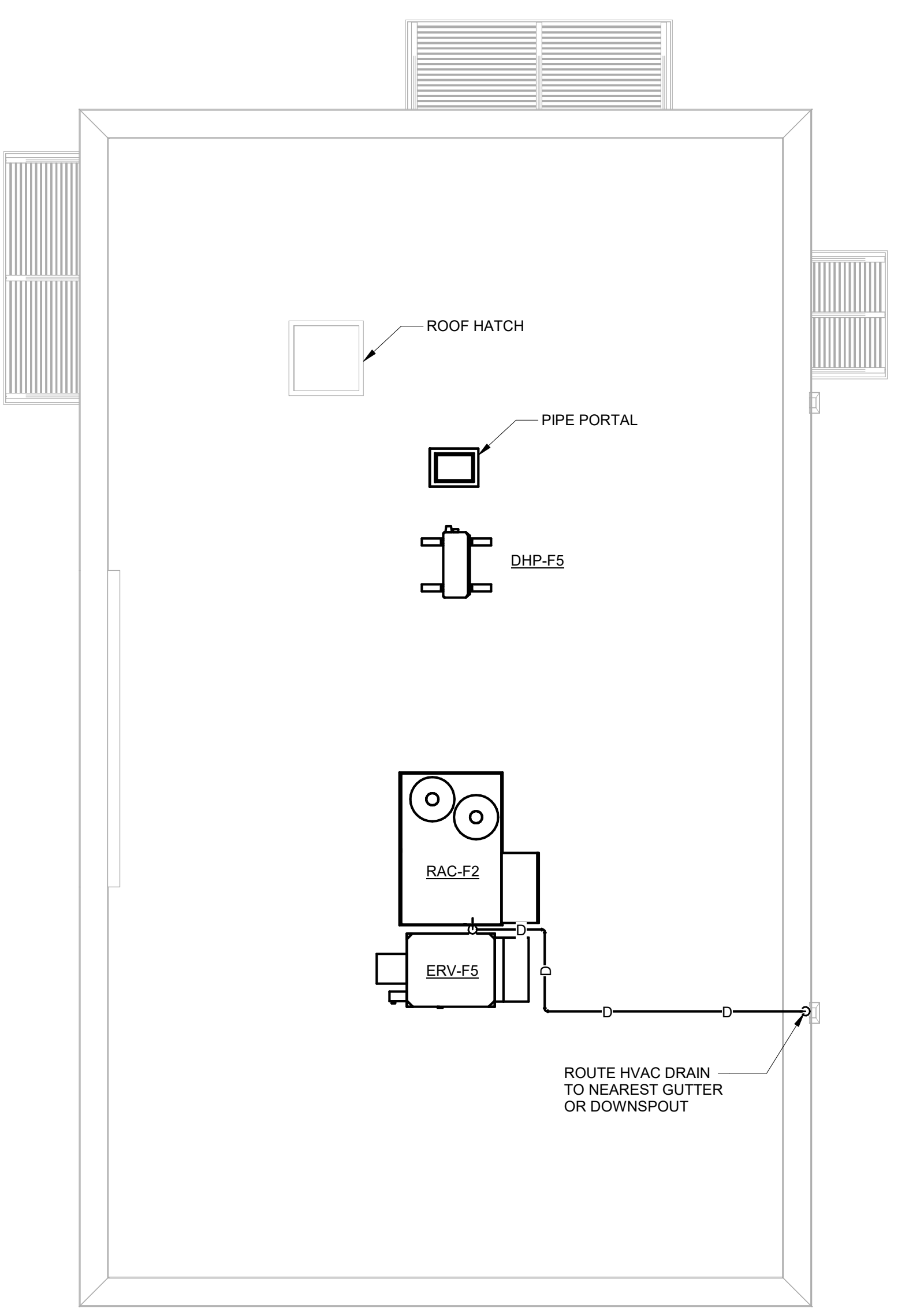
1 MECHANICAL FIRST FLOOR PLAN - HOME RESTROOM
3/16" = 1'-0"



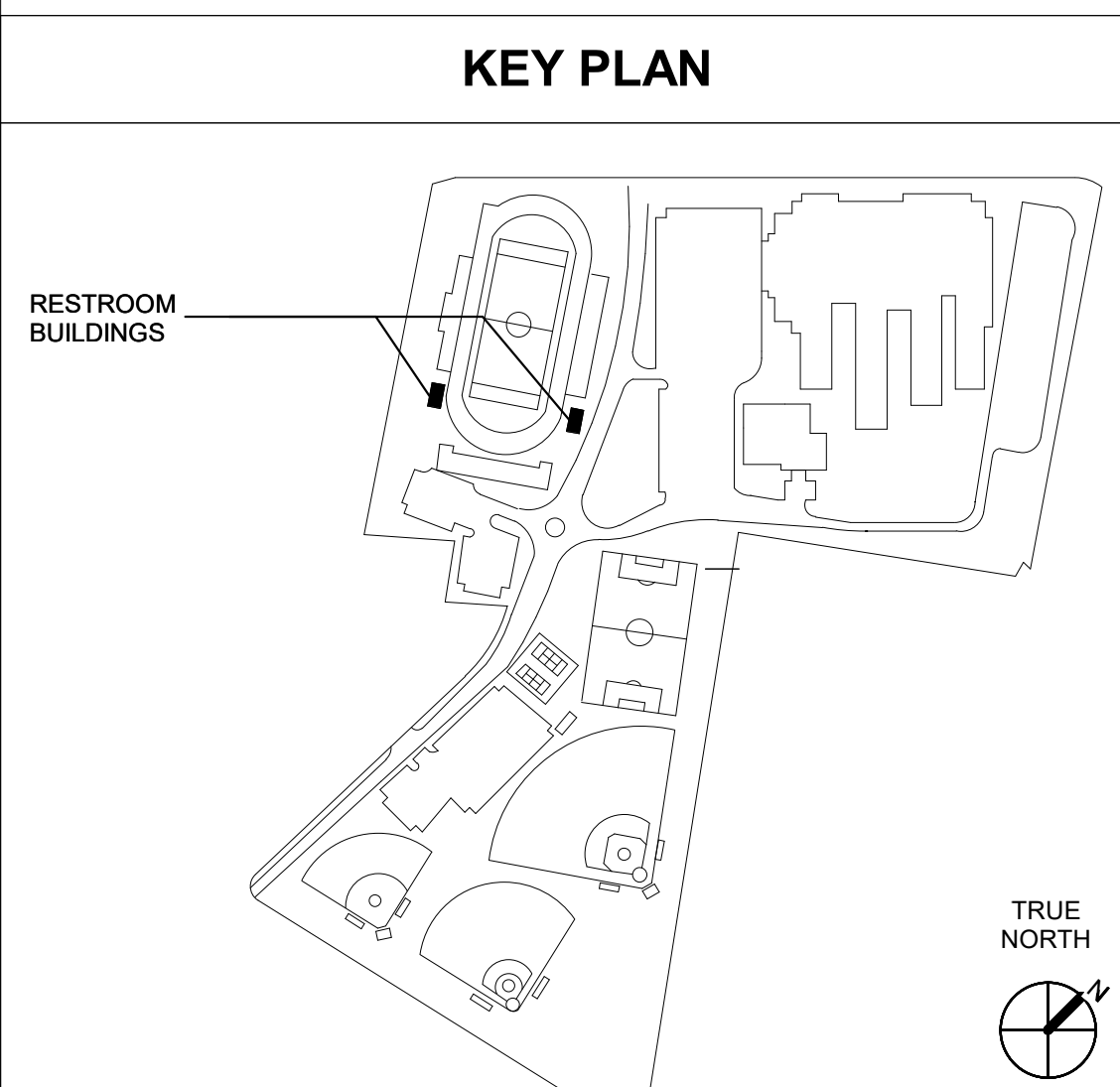
2 MECHANICAL FIRST FLOOR PLAN - AWAY RESTROOM
3/16" = 1'-0"



3 MECHANICAL ROOF PLAN - HOME RESTROOM
3/16" = 1'-0"

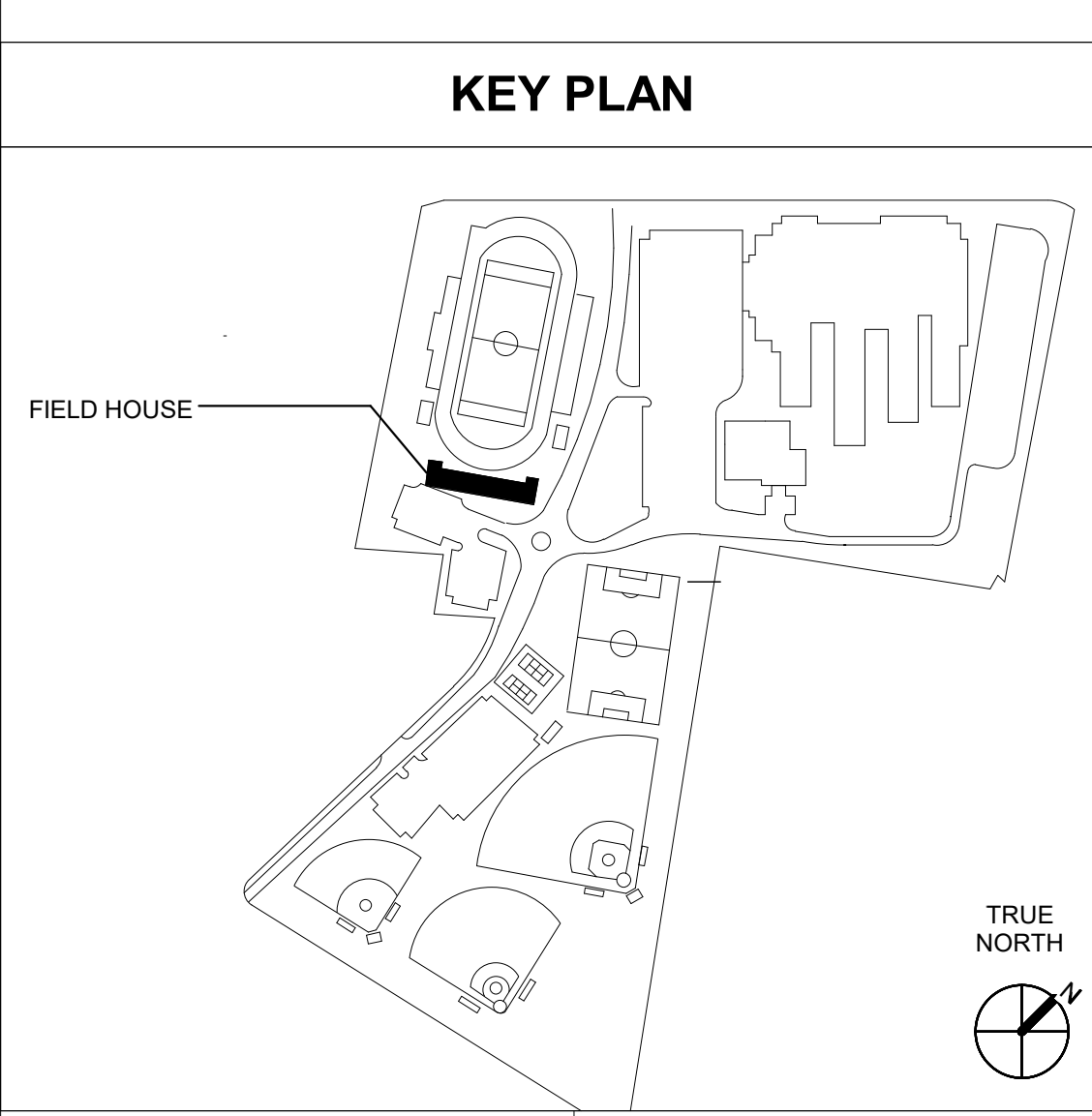
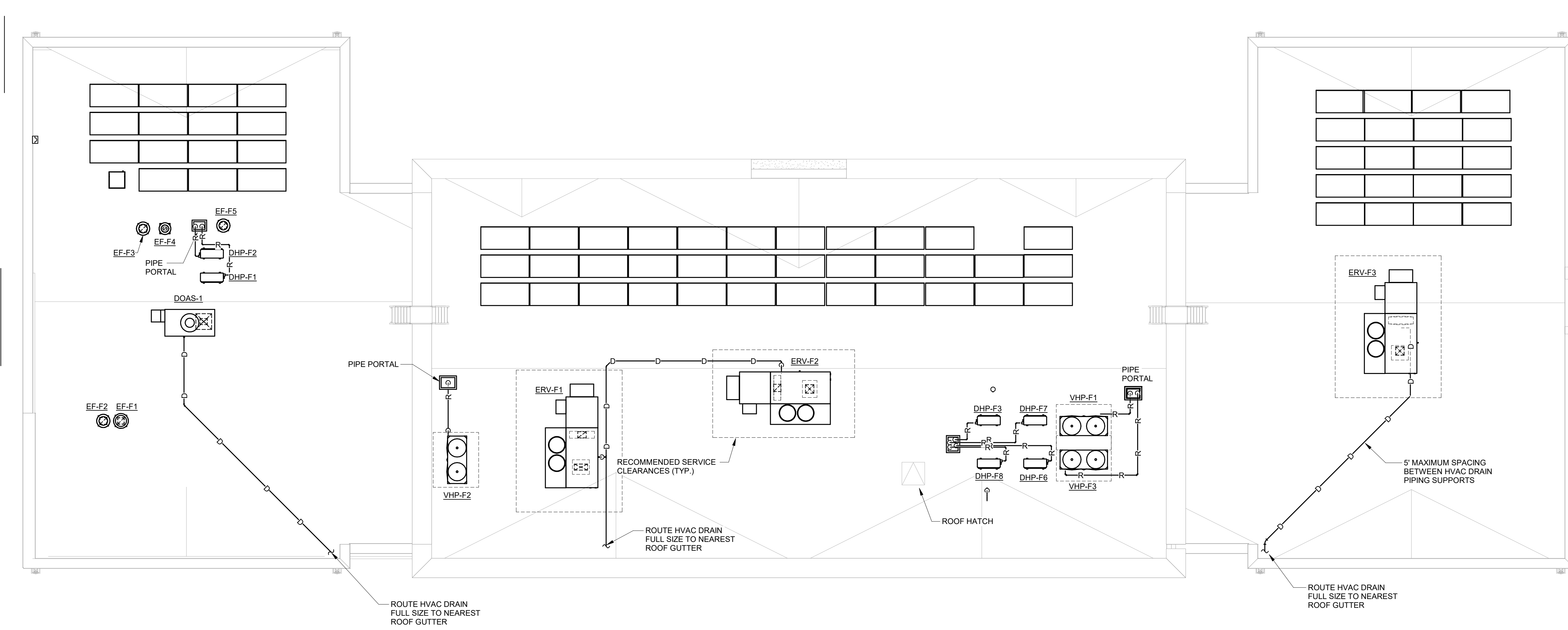


4 MECHANICAL ROOF PLAN - AWAY RESTROOM
3/16" = 1'-0"



BIM 360://5201-192070-SCCPSS NEW K-12 ATHLETICS/MECH_GrovesK12_Restrooms_202301.rvt
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NOTES:
1. INSTALL ALL MECHANICAL EQUIPMENT AT A MINIMUM OF 10 FEET AWAY FROM ROOF EDGE.

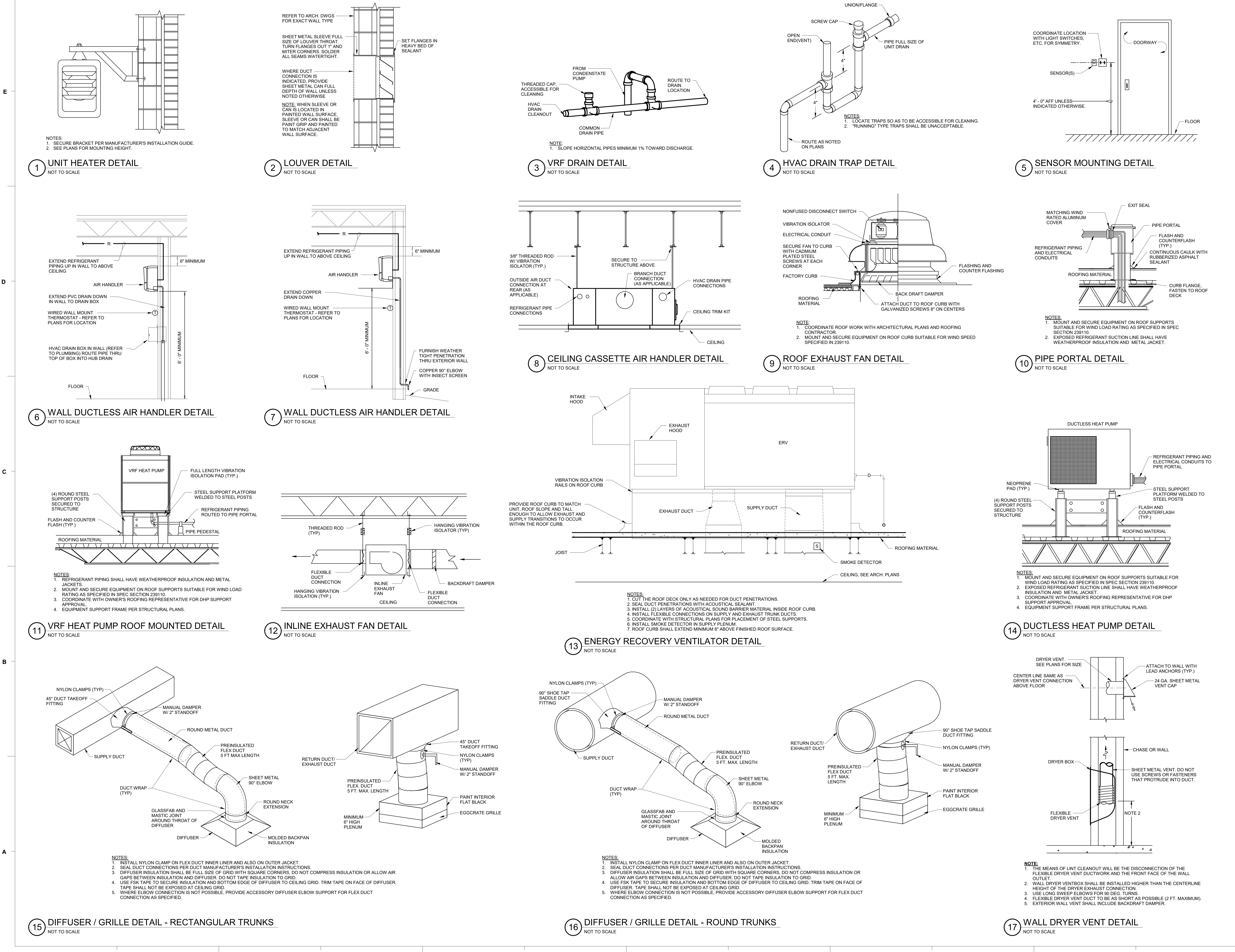


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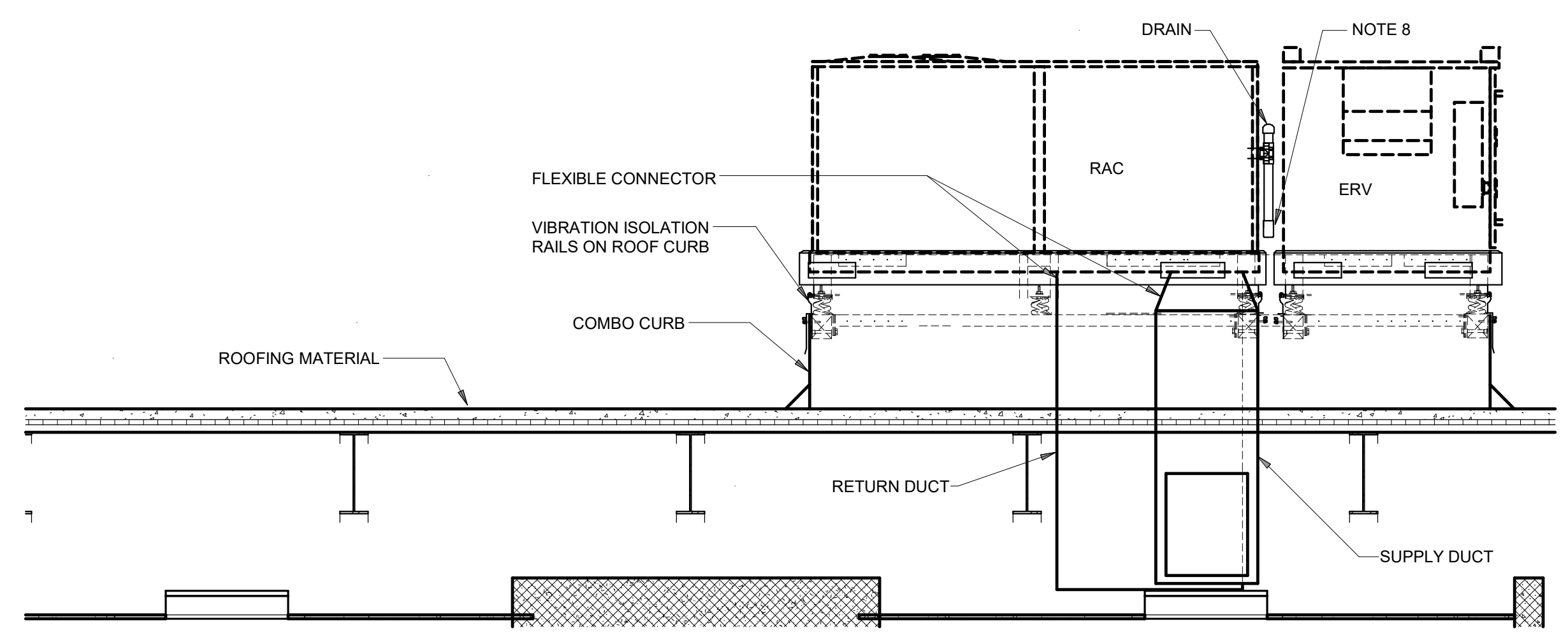
REVISIONS:

No.	Description	Date

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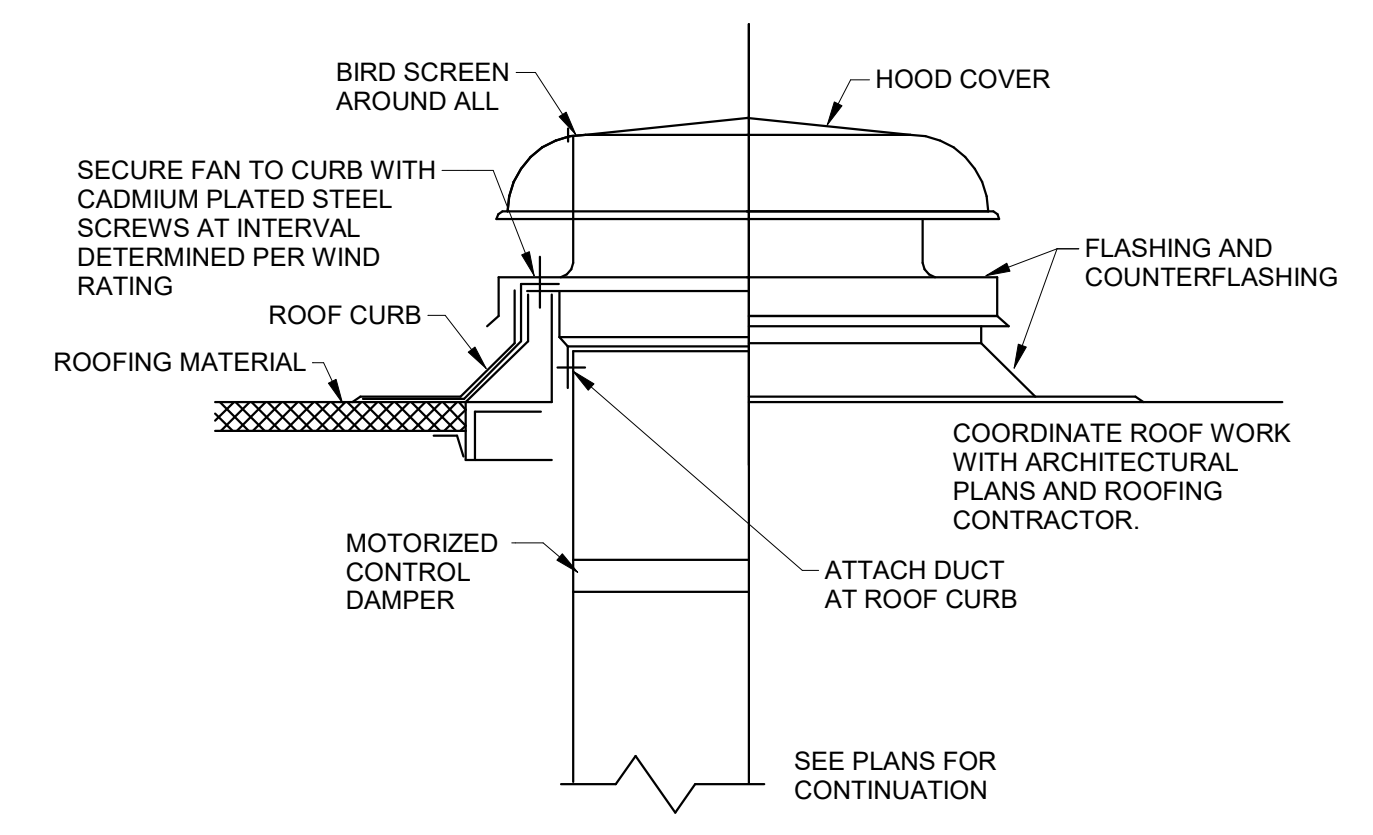


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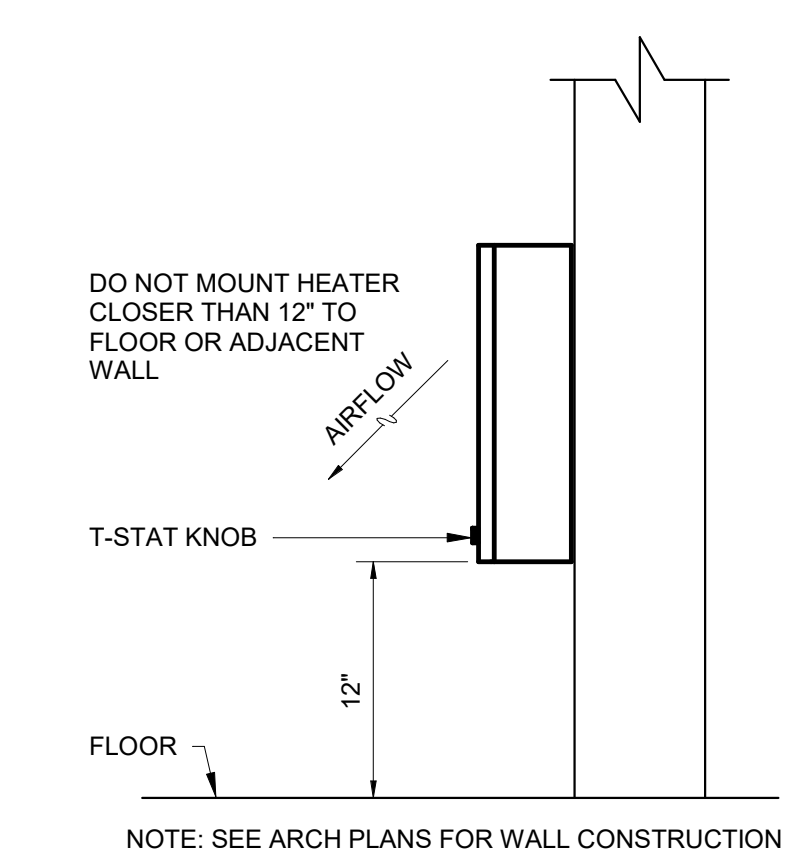


- NOTES**
- CUT THE ROOF DECK ONLY AS NEEDED FOR DUCT PENETRATIONS.
 - SEAL DUCT PENETRATIONS WITH ACOUSTICAL SEALANT.
 - INSTALL (2) LAYERS OF ACOUSTICAL SOUND BARRIER MATERIAL INSIDE ROOF CURB.
 - INSTALL FLEXIBLE CONNECTIONS ON SUPPLY AND RETURN TRUNK DUCTS.
 - COORDINATE WITH STRUCTURAL PLANS FOR PLACEMENT OF STEEL SUPPORTS.
 - INSTALL SMOKE DETECTOR IN SUPPLY DUCTWORK BEFORE ANY BRANCH TAKEOFFS.
 - MOUNT AND SECURE EQUIPMENT ON ROOF CURB SUITABLE FOR WIND LOAD SPECIFIED IN 239110.
 - ROUTE HVAC DRAIN LINE AS SHOWN ON ROOF PLAN.

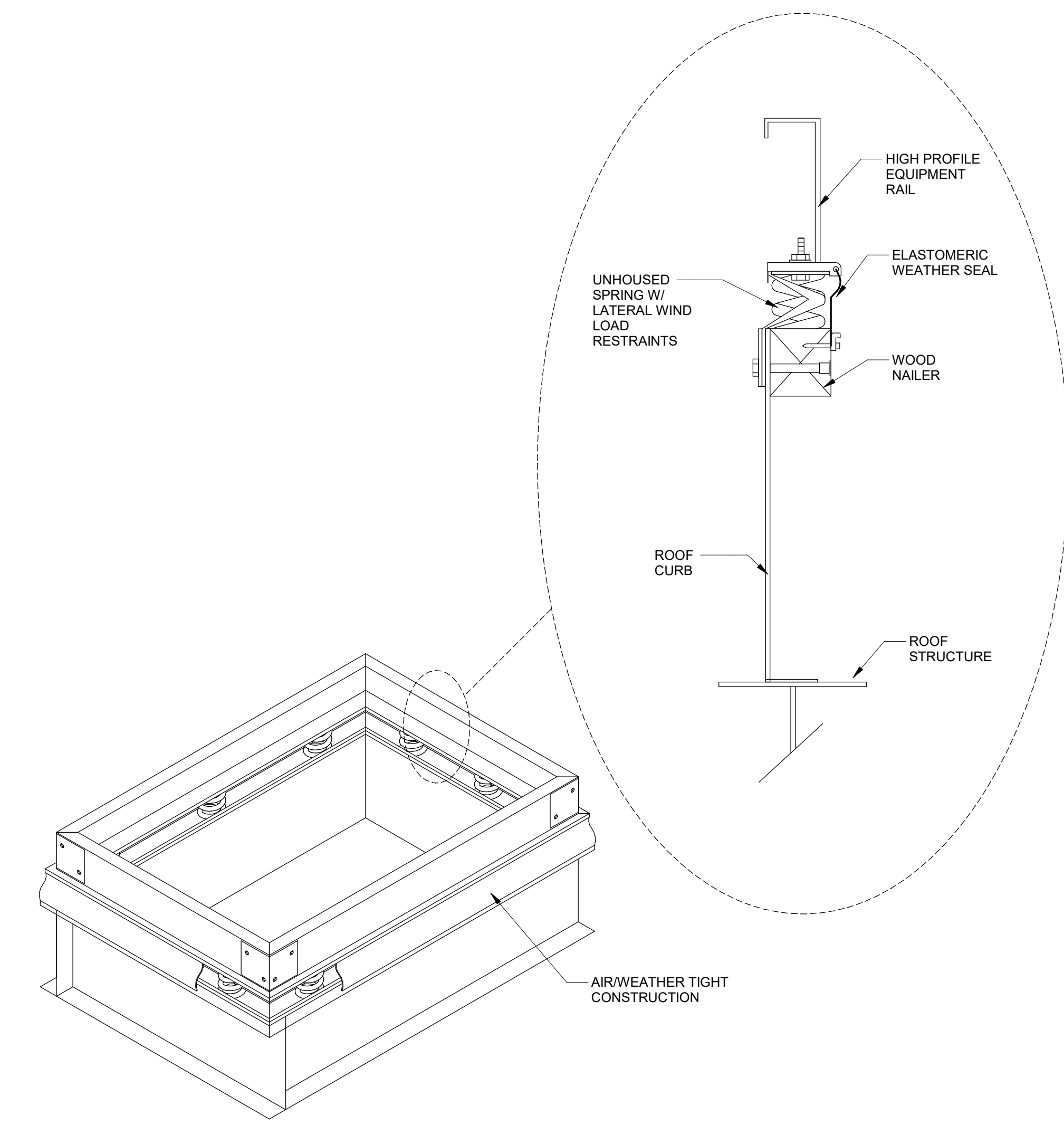
1 RAC / ERV COMBO CURB DETAIL
NOT TO SCALE



2 ROOF INTAKE / EXHAUST HOOD DETAIL
NOT TO SCALE



3 WALL HEATER SURFACE MOUNTED DETAIL
NOT TO SCALE



4 VIBRATION ISOLATION RAIL DETAIL
NOT TO SCALE

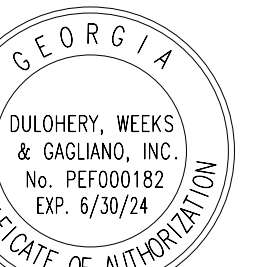


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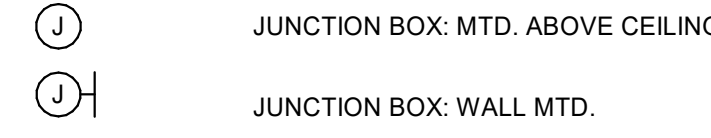
LIGHT FIXTURE SCHEDULE

Table with columns: TYPE, DESCRIPTION, MANUFACTURER / SERIES, REFLECTOR/DIFFUSER, FINISH, MOUNTING, LAMPS, MAX WATTAGE, NOTES

LIGHT FIXTURE SCHEDULE NOTES:

- 1 GENERAL: REFER TO LIGHTING PLANS FOR DRIVER VOLTAGES AND CONFIGURATION OF FIXTURES... 2 FIXTURES SHALL BE MOUNTED SUSPENDED OR SURFACE... 3 GENERAL: COORINATE ALL MOUNTING OF FIXTURES... 4 FIXTURES SHALL BE SELECTED FROM THE FIXTURE SCHEDULE...

MISCELLANEOUS COMPONENTS:

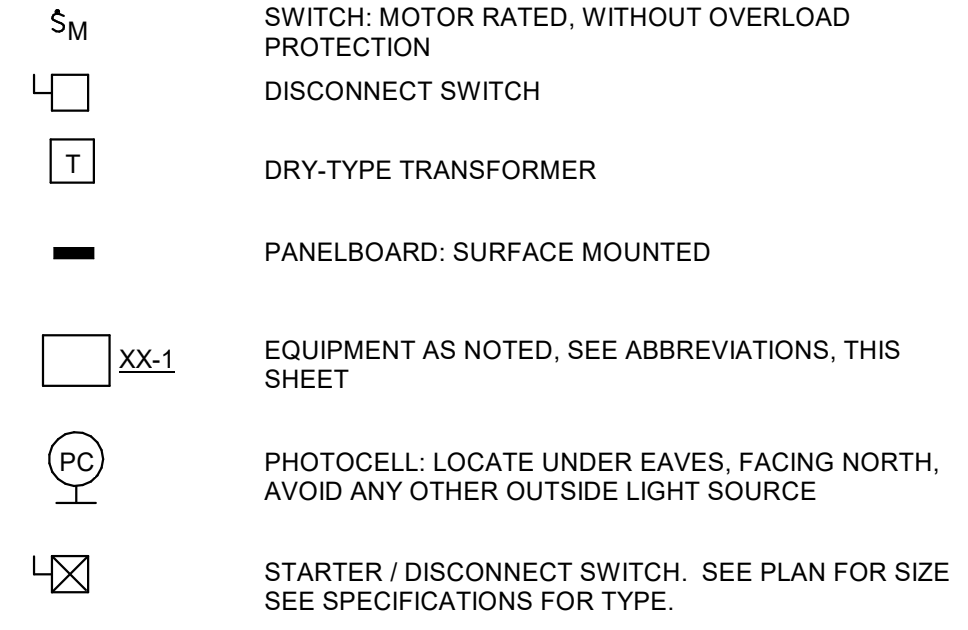


GENERAL NOTES:

- 1. THE ELECTRICAL DRAWINGS ARE ONLY PART OF THE CONTRACT DOCUMENTS... 2. SYMBOL WHERE SHOWN AT OR NEAR A ROOM INDICATES THAT ROOM IS SHOWN AS A TYPICAL LARGE SCALE... 3. ALL CONDUCTORS SHALL BE COPPER UNLESS NOTED WITH THE WORD 'ALUMINUM'... 4. PRIOR TO RUNNING ANY CONDUIT, COORDINATE LOCATIONS OF ALL WALL MOUNTED DEVICES... 5. PRIOR TO RUNNING CONDUIT, COORDINATE LOCATIONS OF ALL WALL MOUNTED DEVICES... 6. WHERE COMPLETE BRANCH CIRCUIT WIRING IS NOT SHOWN... 7. REFER TO THE ELECTRICAL PANELBOARD SCHEDULES AND EQUIPMENT RATINGS & CONNECTIONS SCHEDULE...

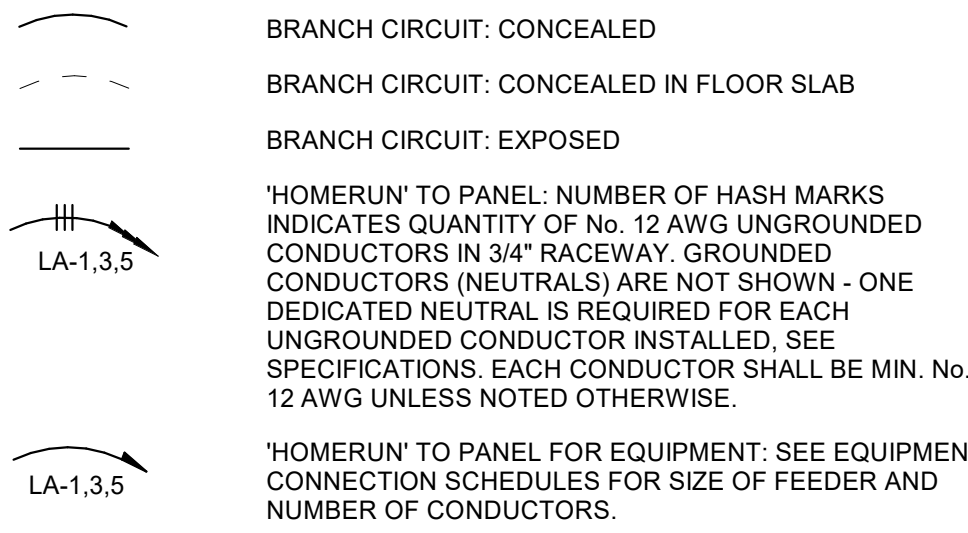
ELECTRICAL EQUIPMENT:

REFER TO ONE-LINE DIAGRAM AND EQUIPMENT CONNECTION SCHEDULE FOR LOAD DATA USED AS THE BASIS OF DESIGN AND REQUIRED CONNECTIONS. VERIFY LOAD AND LOCATION WITH EQUIPMENT CUT-SHEETS AND INSTALLER.

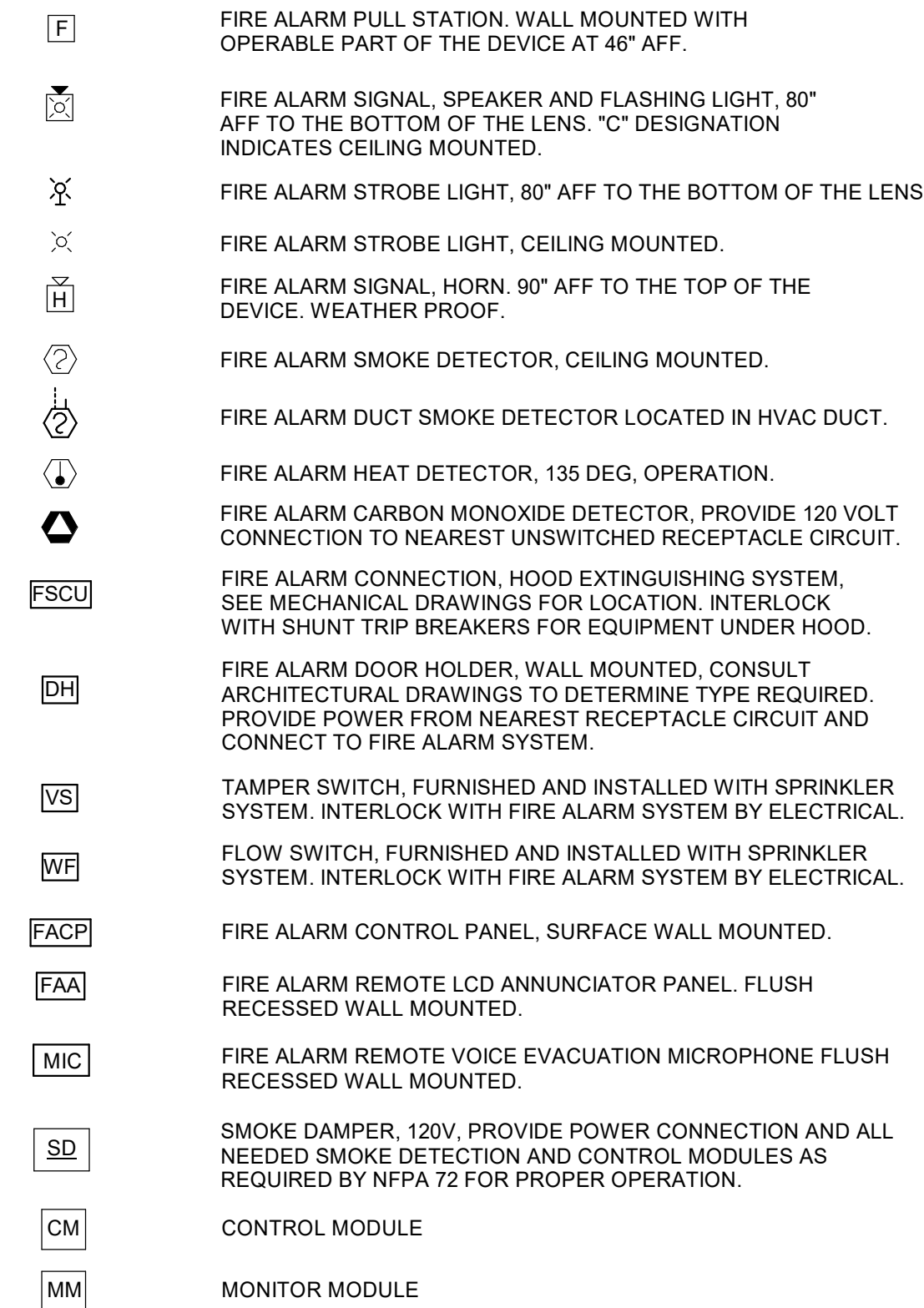


BRANCH CIRCUITS:

CONDUCTOR COUNTS ARE SHOWN ON THE HOMERUNS ONLY. CONTRACTOR SHALL DETERMINE COUNTS FOR INTERMEDIATE RUNS BASED ON THE MANNER IN WHICH THE CIRCUIT ELEMENTS ARE CONNECTED...



FIRE ALARM:



ABBREVIATIONS:

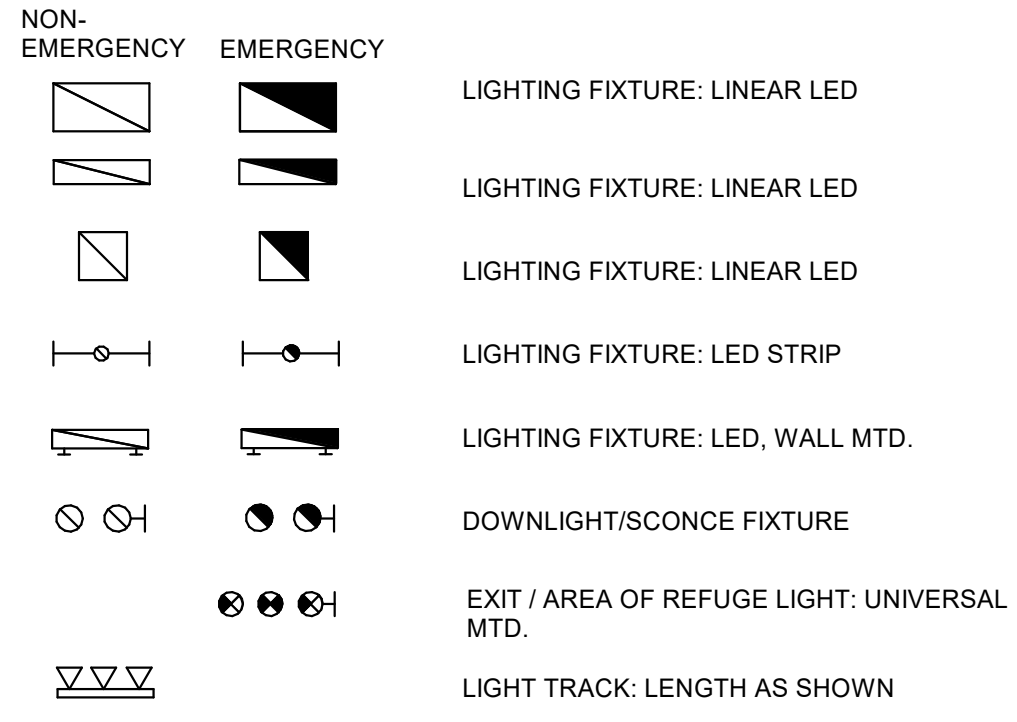
Table with 3 columns: Abbreviation, Description, Unit/Notes

LEGEND:

LIGHTING FIXTURES:

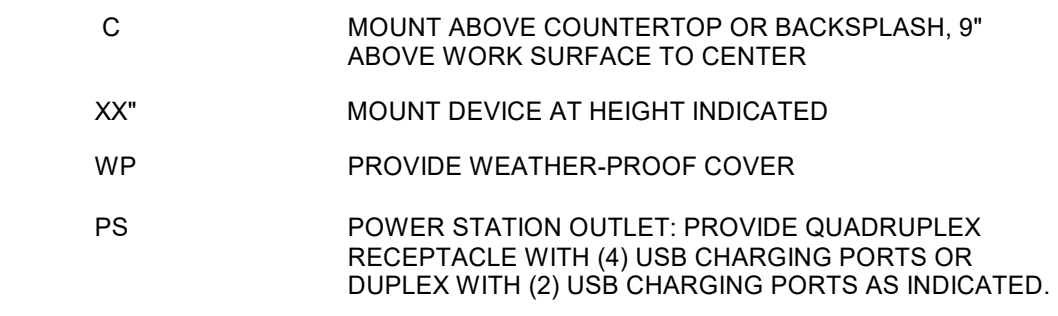
UPPERCASE LETTER ADJACENT TO FIXTURE DENOTES DESIGNATION PER THE LIGHTING FIXTURE SCHEDULE. LOWERCASE LETTER DENOTES SWITCH/LEG. THE RESPECTIVE SWITCH WILL HAVE THE SAME DESTINATIONS. NUMERAL DENOTES BRANCH CIRCUIT CONNECTION.

REFER TO THE FIXTURE SCHEDULE FOR THE SPECIFIC FIXTURE INFORMATION.



DEVICE IDENTIFIER TAGS:

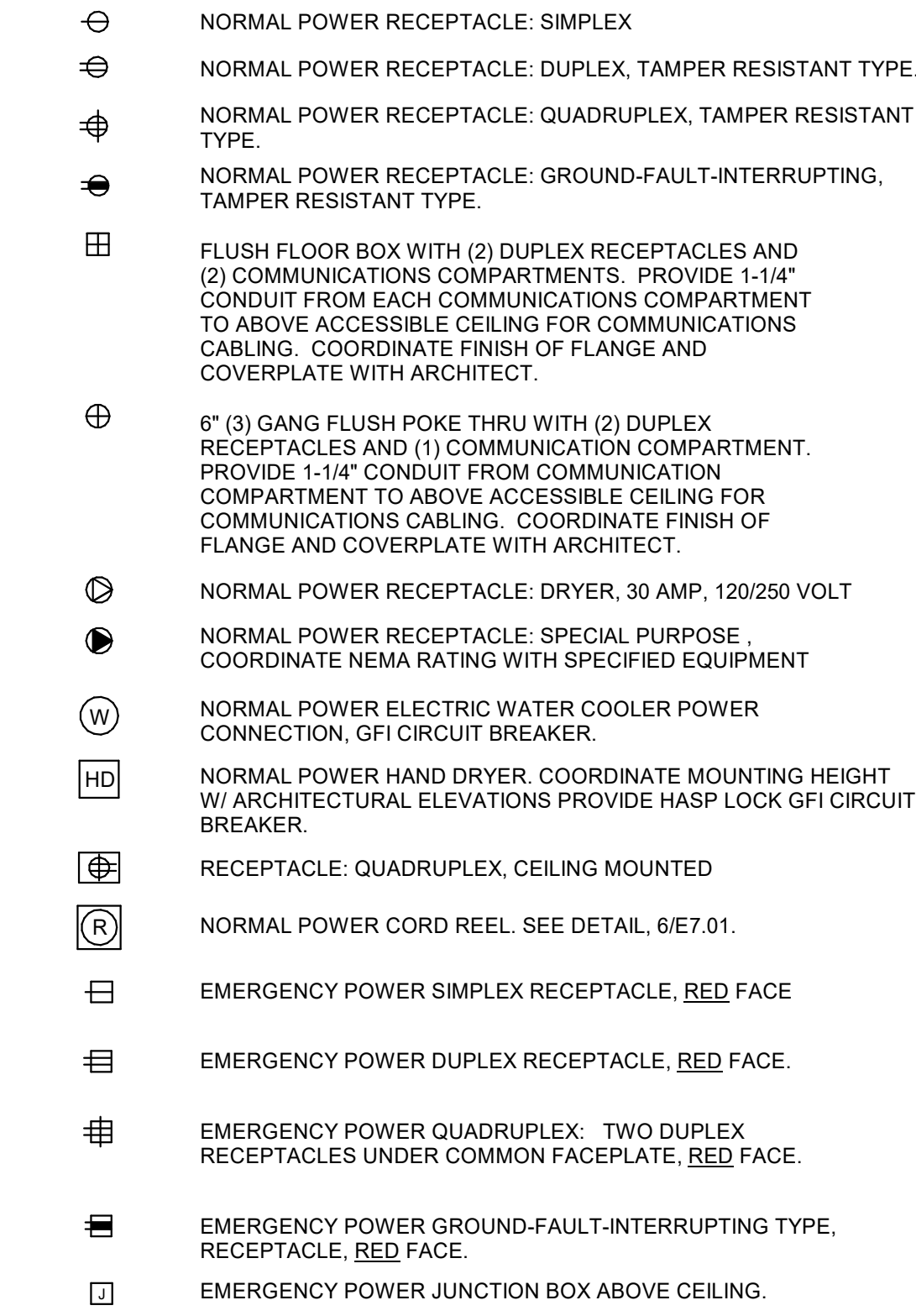
NUMERAL ADJACENT TO DEVICE DENOTES BRANCH CIRCUIT CONNECTION. IDENTIFIER TAGS ADJACENT TO DEVICES INDICATE:



RECEPTACLES:

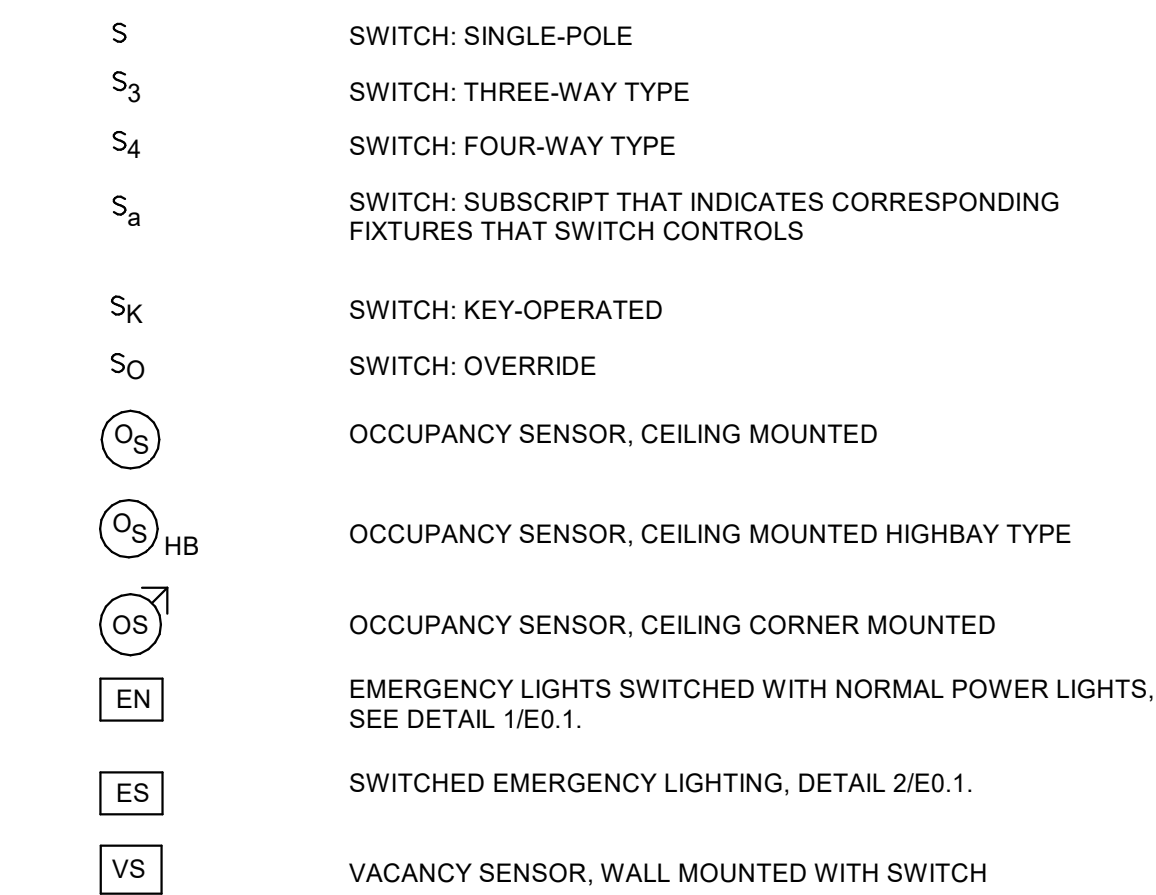
NOMINAL MOUNTING HEIGHT OF RECEPTACLES SHALL BE 18" TO CENTER, UNO. IF APPLICABLE. ADJUST SO DEVICE IS IN THE CENTER OF MASONRY COURSE NEAREST THAT HEIGHT. THE HEIGHT ESTABLISHED SHALL GOVERN FOR ALL BOX INSTALLATIONS...

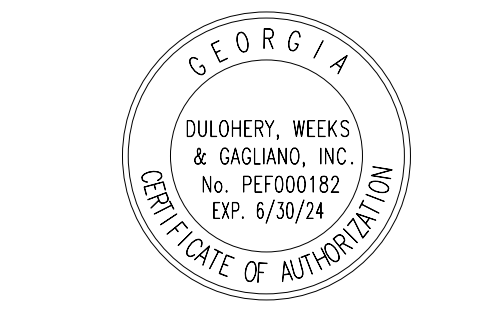
ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE:



SWITCHES:

MOUNTING HEIGHT OF SWITCHES SHALL BE 46" NOMINAL. ADJUSTED IN THE SAME MANNER AS SPECIFIED ABOVE. FOR RECEPTACLES, LOWERCASE LETTER INDICATES SWITCH/LEG CONNECTION. THE RESPECTIVE FIXTURE(S) WILL HAVE THE SAME DESIGNATION.





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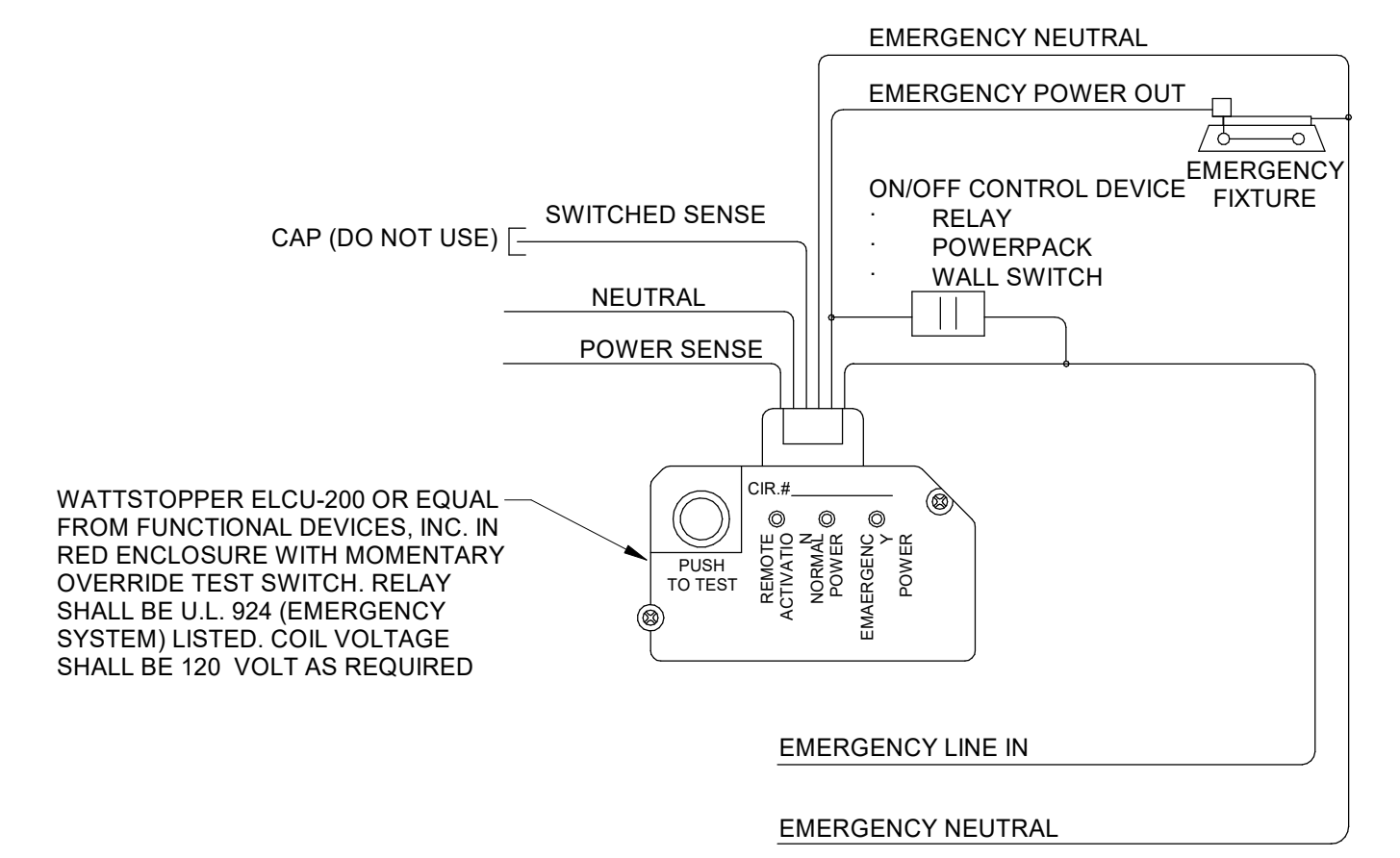
No.	Description	Date

PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: GJC
CHECKED BY: WOW

LIGHTING DETAILS

E-001

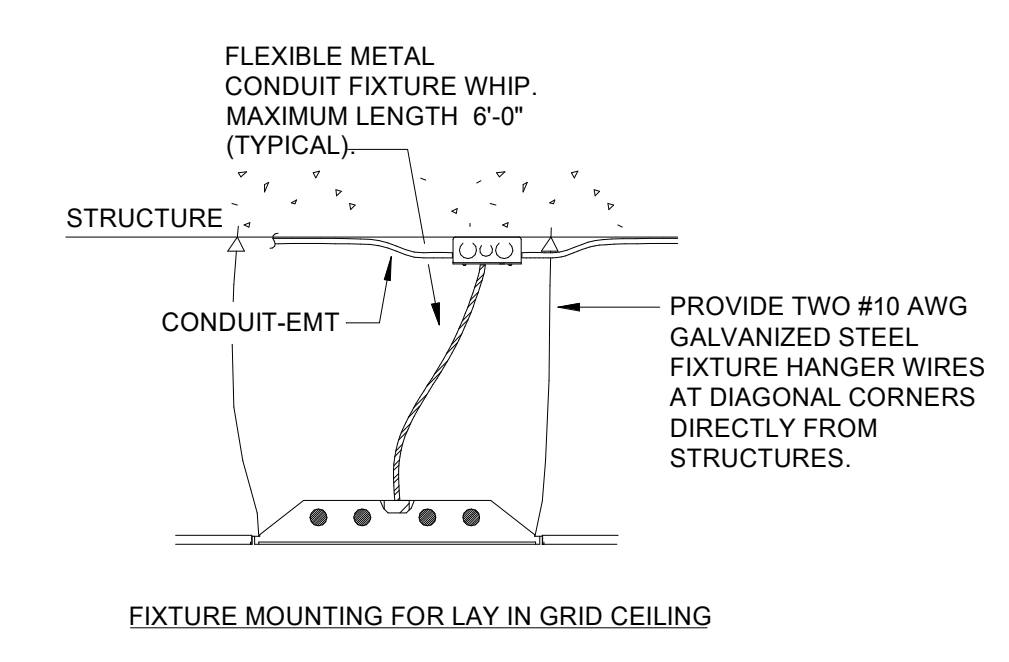
- NOTES:** (SENSOR WIRING)
- A NOT ALL MANUFACTURERS' WIRING CONFIGURATIONS ARE THE SAME. REFER TO MANUFACTURER SPECIFIC WIRING DETAILS PRIOR TO INSTALLATION.
 - B THESE PLANS INDICATE AREAS TO BE CONTROLLED BY OCCUPANCY OR VACANCY SENSORS. SINCE COVERAGES AND DEVICES VARY BETWEEN MANUFACTURERS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE PROPER DEVICE LOCATION, ORIENTATION, AND QUANTITIES WITH THE MANUFACTURER OF THE SYSTEM BEING INSTALLED TO MEET THE SPECIFIED CRITERIA.
 - C THERE ARE NO POWER PACKS SHOWN ON THESE PLANS. PROVIDE POWER PACKS AS REQUIRED WITH SENSORS. POWER PACKS ARE TO BE RATED AT 20A. PROVIDE ONE POWER PACK PER 20A LIGHTING CIRCUIT OR PER INDIVIDUAL AREA BEING CONTROLLED.
 - D CEILING SENSORS ARE TO BE MOUNTED AWAY FROM ANY STRONG AIRFLOW. COORDINATE LOCATION OF SENSORS WITH MECHANICAL AND LIGHTING PLANS.
 - E ALL SENSORS SHALL BE CEILING MOUNTED EXCEPT WHERE CEILING HEIGHTS EXCEED 15'. PROVIDE SENSOR WITH ADAPTOR PLATE FOR JUNCTION BOX MOUNTING (JUNCTION BOX SHALL BE CONCEALED ABOVE ACCESSIBLE CEILING). JUNCTION BOX SHALL BE SUPPORTED FROM STRUCTURE UTILIZING A 3/8" THREADED ROD. WHERE CEILING HEIGHTS EXCEED 15', WALL MOUNT SENSORS AT 12'.



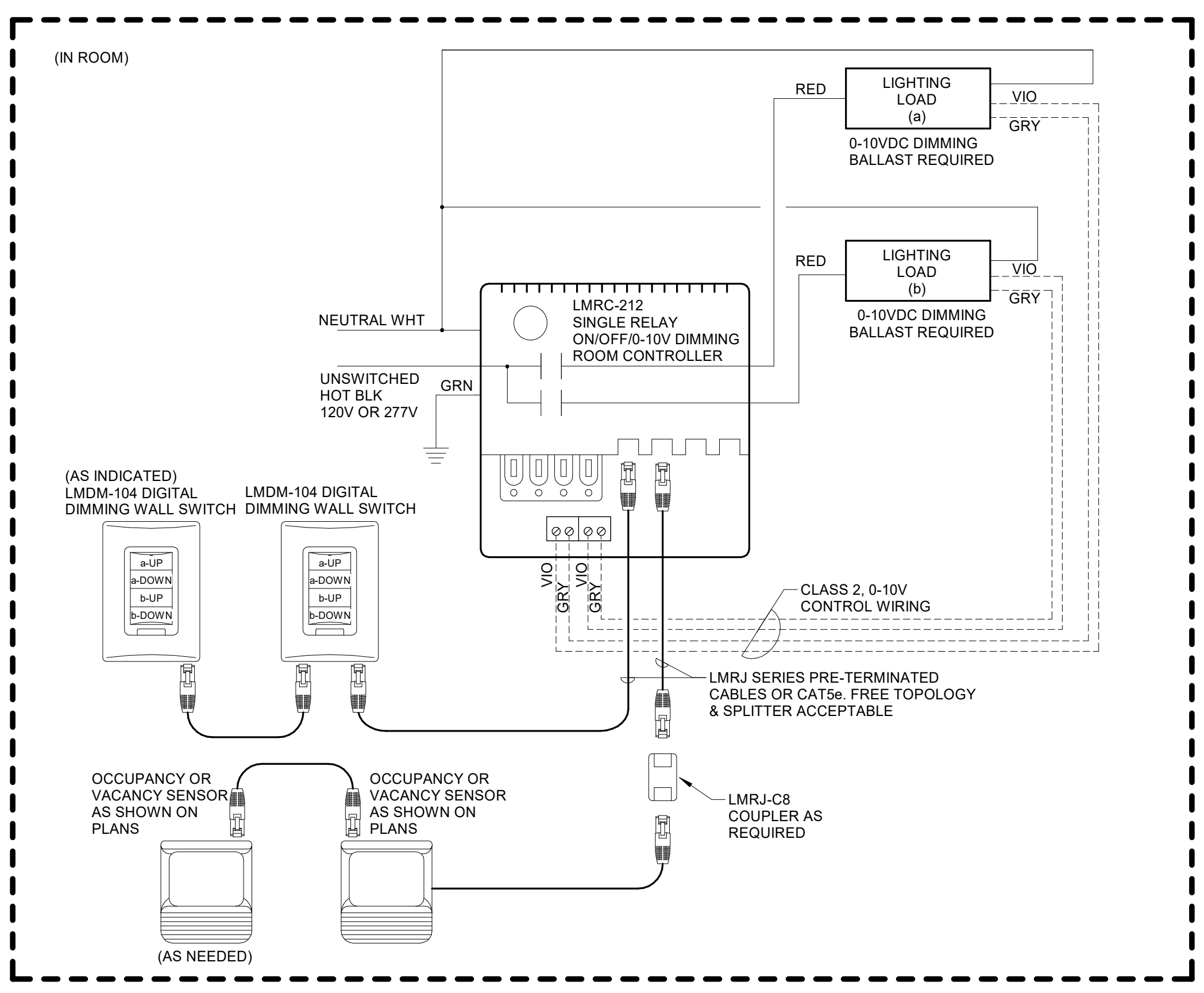
NOTE: POWER SENSING FEED IS NOT SHOWN ON THE DRAWINGS BUT SHALL BE PROVIDED FROM NEAREST NORMAL POWER CIRCUIT.

PROVIDE THIS ITEM FOR ALL SWITCHED LIGHTING IN ALL AREAS EXCEPT CLOSETS LESS THAN 150SQFT AND PRIVATE OFFICES.

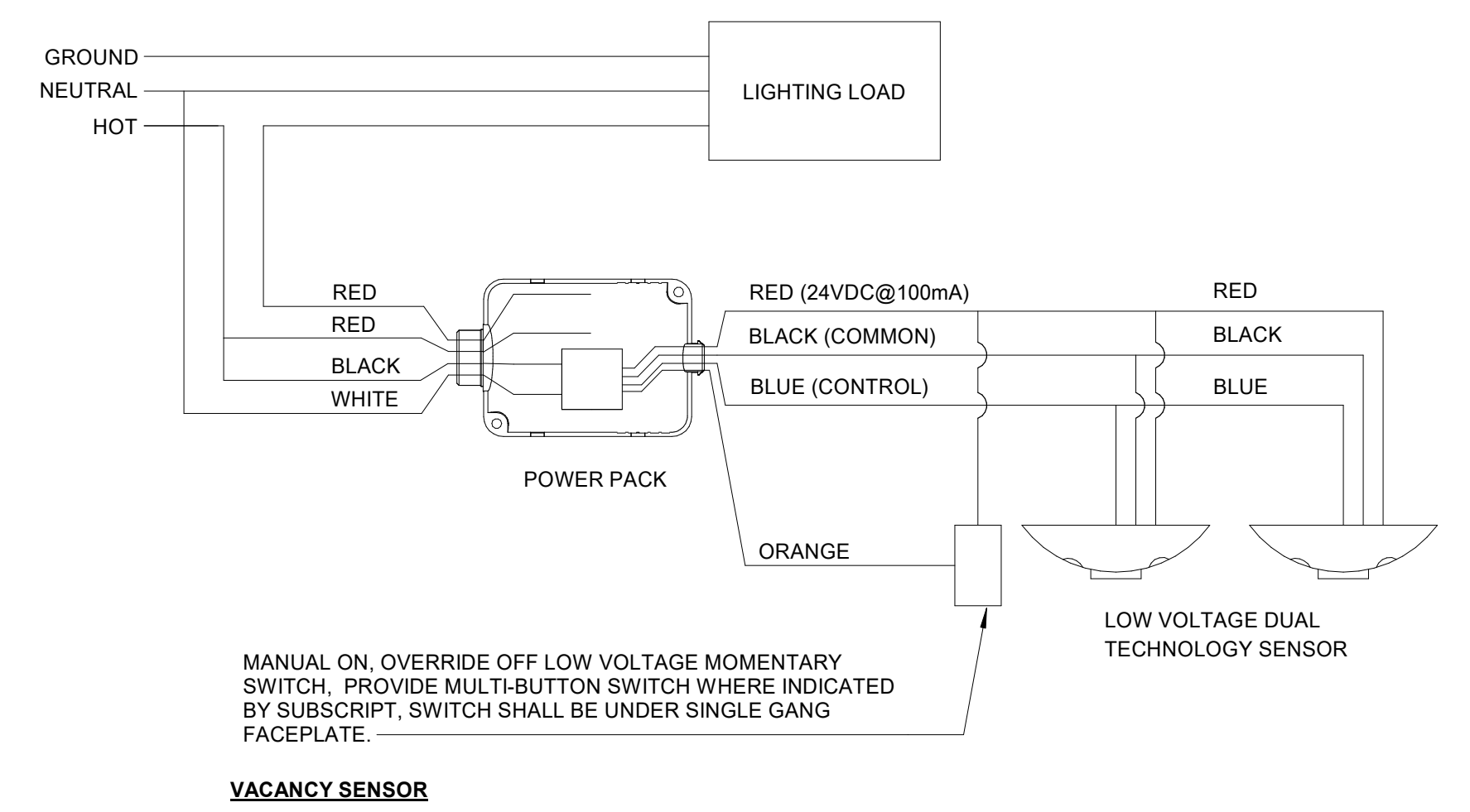
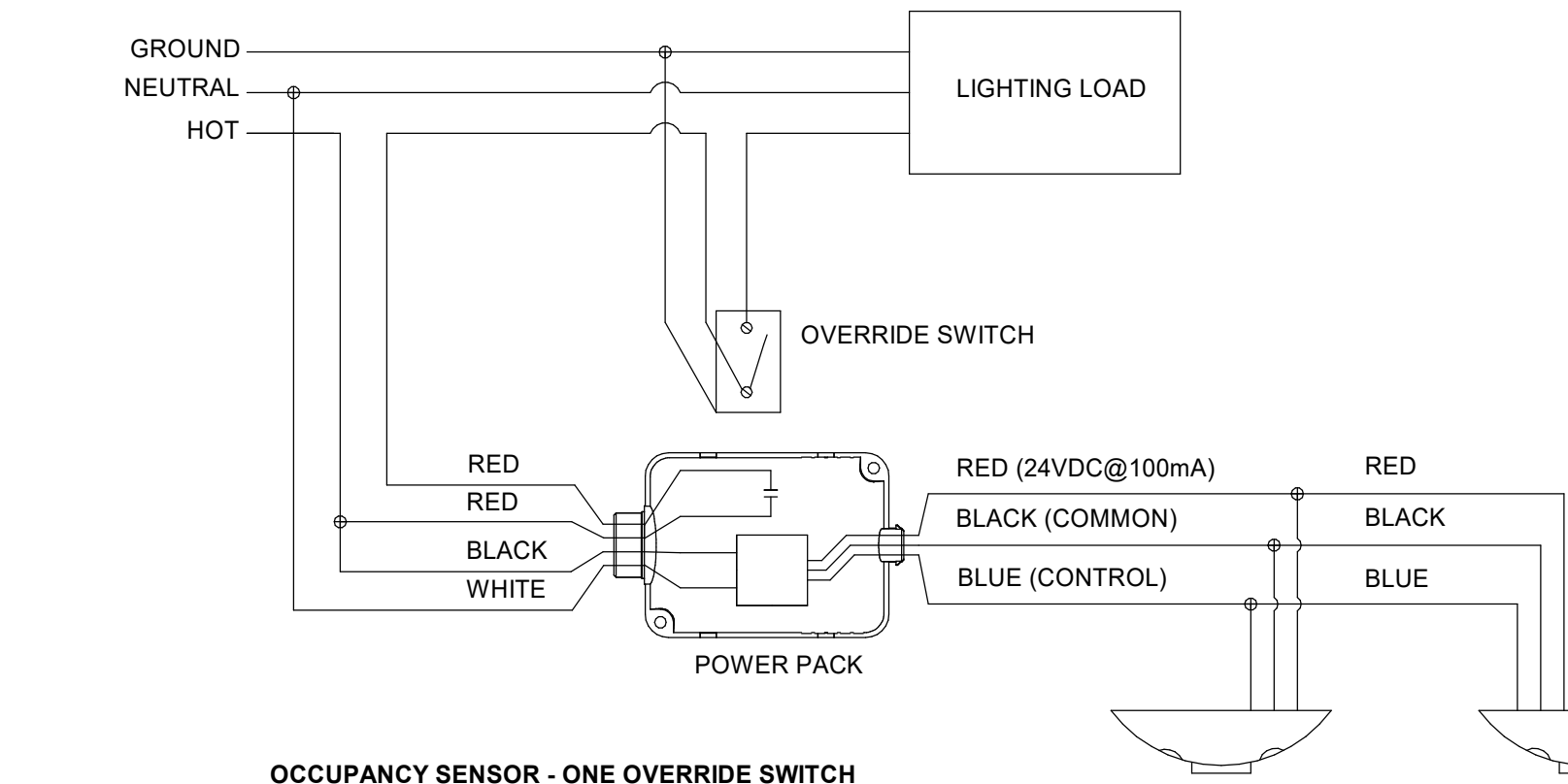
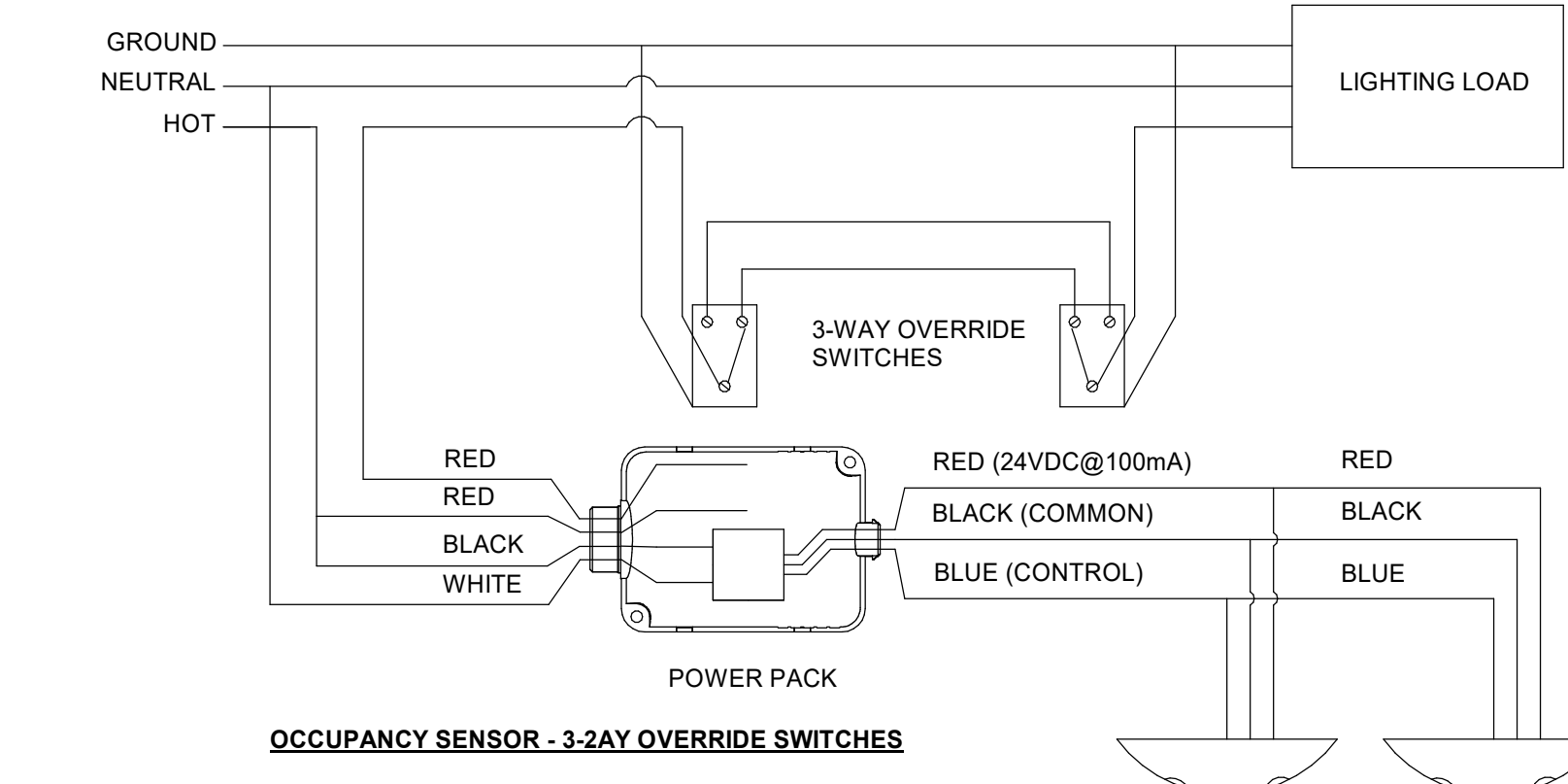
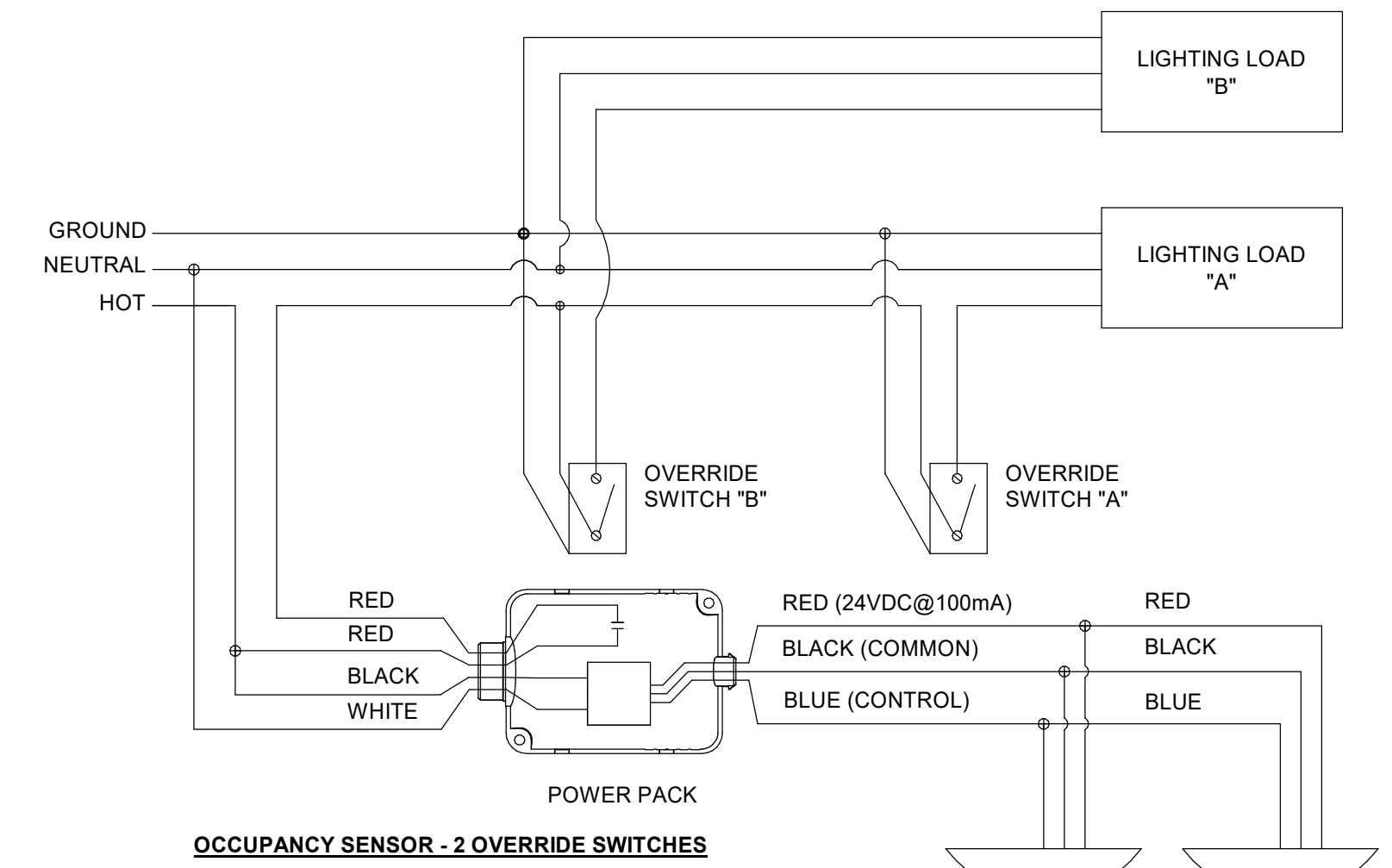
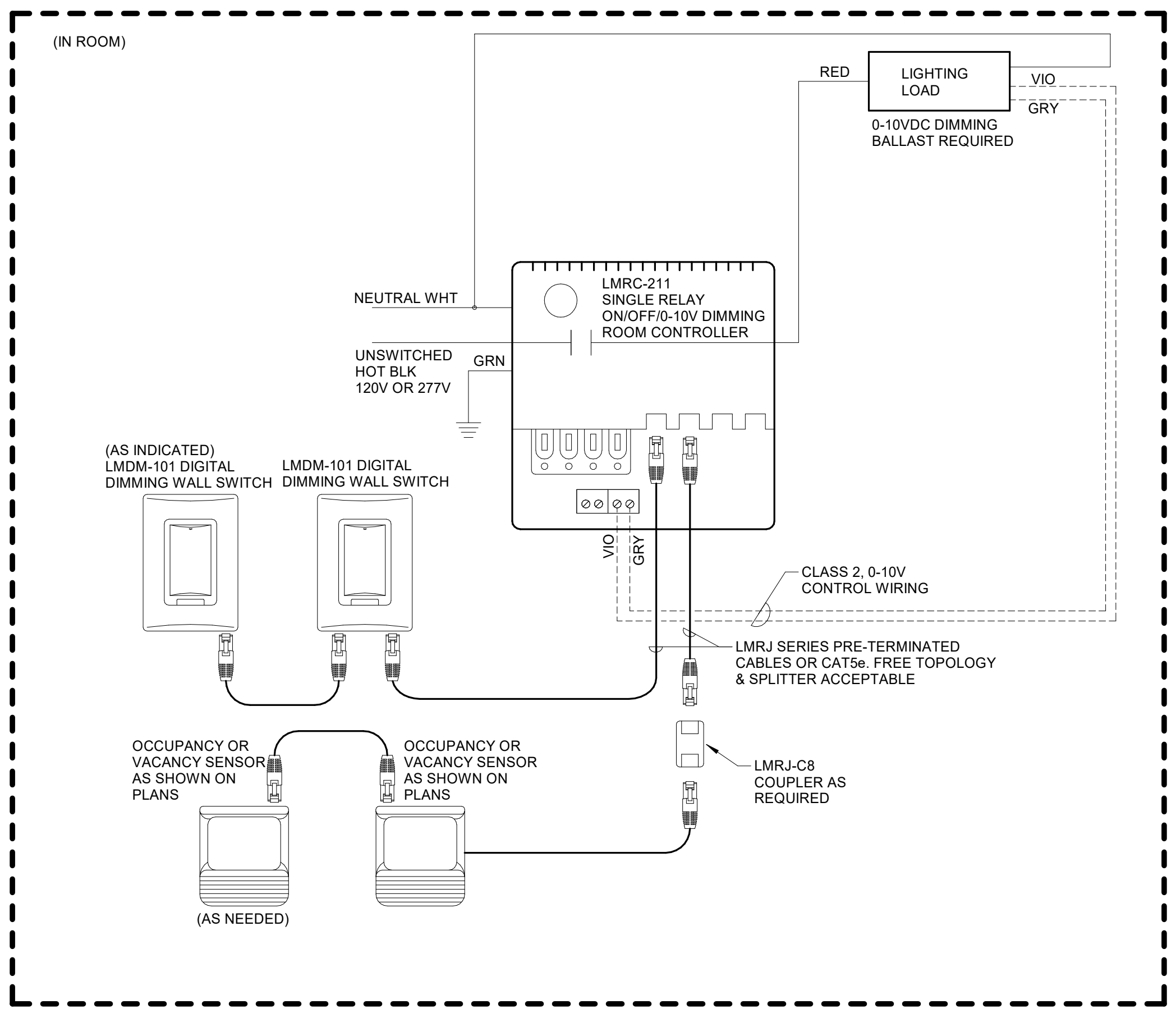
3 SWITCHED EMERGENCY LIGHTING
NOT TO SCALE



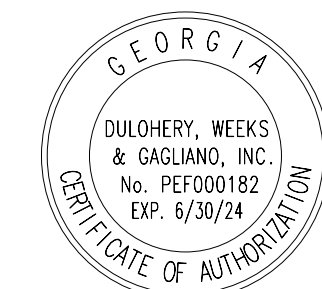
4 LIGHT FIXTURE MOUNTING
NOT TO SCALE



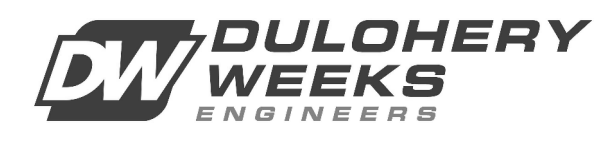
1 0-10V DIMMING WIRING SCHEMATICS
1/8" = 1'-0"



2 SENSOR WIRING
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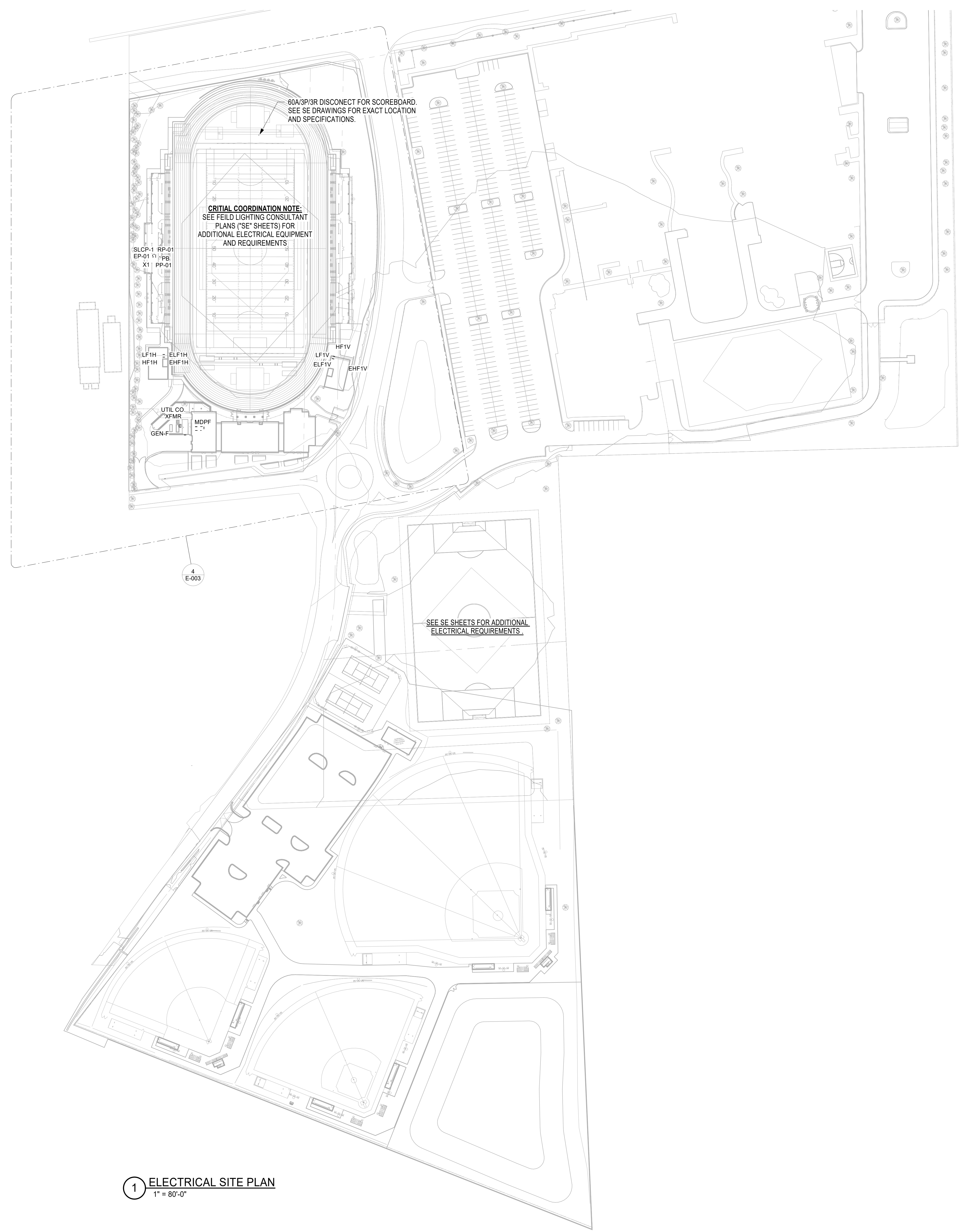
REVISIONS:

No.	Description	Date

PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: GJC
CHECKED BY: WOW

**ELECTRICAL
SITE PLAN**

E-002



1 ELECTRICAL SITE PLAN
1" = 80'-0"

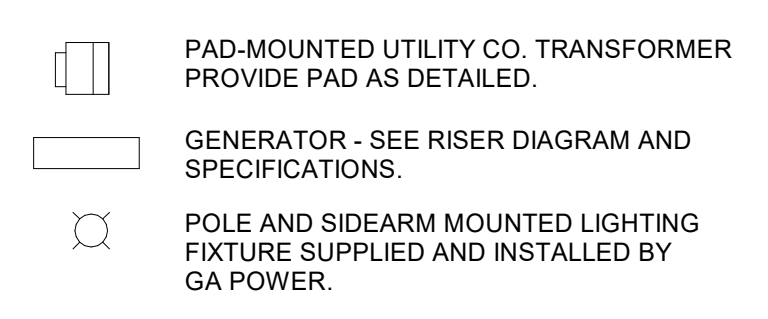
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No.	Description	Date
1		

PROJECT: 5201-192070
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- | EXISTING | NEW | |
|----------|--------|---|
| —OHP— | —NOHP— | OVERHEAD PRIMARY |
| —OHS— | —NOHS— | OVERHEAD SECONDARY |
| —OHT— | —NOHT— | OVERHEAD TELEPHONE |
| —UF— | —NUF— | UNDERGROUND FIBER |
| —UP— | —NUP— | UNDERGROUND PRIMARY |
| —US— | —NUS— | UNDERGROUND SECONDARY |
| —UT— | —NUT— | UNDERGROUND TELEPHONE |
| —UTC— | —NUTC— | UNDERGROUND TELECOMMUNICATIONS |
| —4"C— | | CONDUIT SLEEVE, SIZE NOTED. SEE NOTE 7. |



GENERAL NOTES:

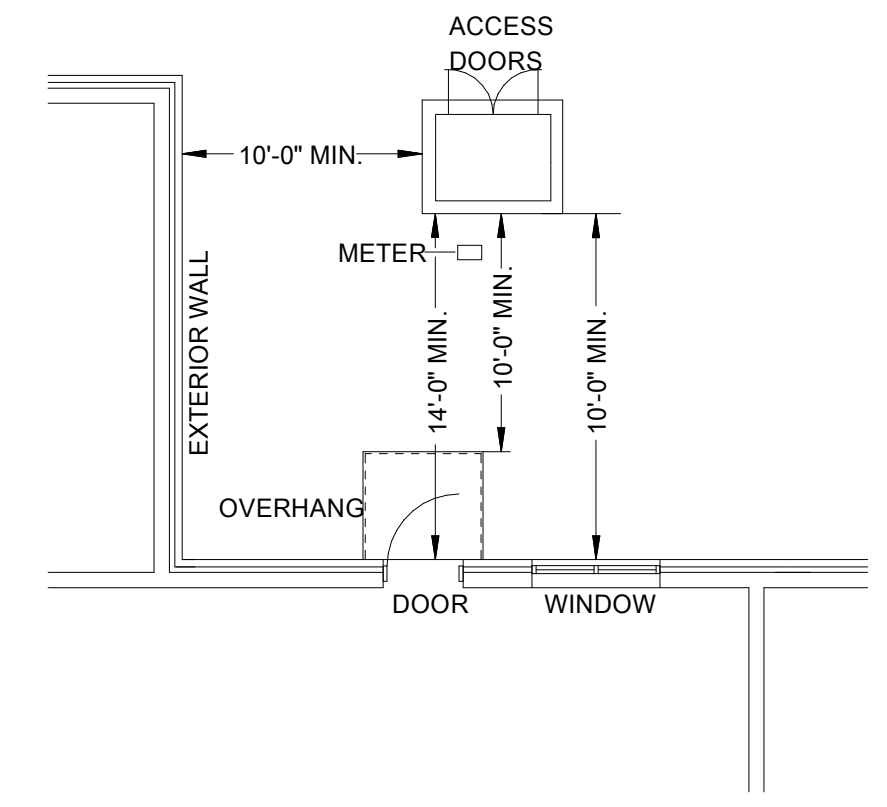
- SURVEY AND SITE INFORMATION PROVIDED BY OTHERS. VERIFY ALL CONDITIONS ON SITE AND WITH OFFICIAL SURVEYS AND OTHER TRADES.
- CONTACT UNDERGROUND UTILITY CENTER AND VERIFY ALL UNDERGROUND UTILITIES.
- UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC. PROVIDE GRS ELBOWS PAINTED WITH BITUMINOUS PAINT TO TRANSITION TO ABOVE GRADE OR SLAB.
- CONTRACTORS SHALL STAKE-OFF ALL EXISTING UTILITIES PRIOR TO ROUGH-IN. ALL NEW INSTALLATION SHALL BE COORDINATED WITH EXISTING UTILITY LOCATIONS.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL UTILITIES FOR THIS PROJECT.
- MINIMUM SIZE OF ALL CONDUITS ON THIS SHEET SHALL BE 3/4 IN.
- PROVIDE PULL BOXES AS REQUIRED BY NEC FOR UNDERGROUND FEEDERS SHOWN. SEE PULL BOX DETAIL.

NOTES:

- UTILITY PAD MOUNTED TRANSFORMER AND METER, TRANSFORMER FURNISHED AND INSTALLED BY UTILITY COMPANY. REFER TO RISER FOR ADDITIONAL INFORMATION. SEE ARCHITECTURAL PLAN AND REFER TO UTILITY PAD MOUNTED TRANSFORMER LOCATION DETAIL FOR LOCATIONS.
- UNDERGROUND SECONDARY. REFER TO POWER RISER DIAGRAM.
- PROPOSED ROUTE OF UTILITY PRIMARY. COORDINATE ROUTING WITH SUPPLYING UTILITY. AVOID CONFLICTS WITH OTHER ITEMS AND POLE LOCATIONS.
- PROVIDE (2)-4"C, MINIMUM DEPTH 30 INCHES BELOW GRADE. ROUTE TO NEAREST CONNECTION POINT FOR TELEPHONE AND INTERNET SERVICE CONNECTIONS. COORDINATE CONNECTIONS WITH PROVIDER.
- PROVIDE 4"C WITH (3) 1-1/4" INNERDUCTS FOR DATA, SECURITY, INTERCOM, AND FIRE ALARM CONNECTION TO FIELD HOUSE.
- PROVIDE MONITOR MODULE AT PIV. COORDINATE EXACT LOCATION OF PIV WITH CIVIL CONTRACTOR.
- PROVIDE EMPTY 4"C UNDER ROADWAY FOR FUTURE USE. CONDUIT SHALL BE 24" BELOW GRADE CAPPED ON BOTH ENDS. ABOVE EACH END, PROVIDE A 4" SQUARE BY 24" DEEP CONCRETE MARKER. CONDUIT MARKER SHALL BE PAINTED INDUSTRIAL YELLOW WHERE EXPOSED ABOVE GRADE.
- PROVIDE 2#6 #86 PER CIRCUIT IN A 1-1/4" FOR MONUMENT SIGN. COORDINATE EXACT LOCATION OF MONUMENT SIGN WITH CIVIL DRAWINGS.
- (GENERAL) GA POWER TO PROVIDE PARKING LOT LIGHTING.
- (GENERAL) GA POWER RESPONSIBLE FOR REMOVAL / RELOCATION OF EXISTING POLES, GUY WIRES, TRANSFORMERS, CABLES AND OTHER ASSOCIATED ELECTRICAL UTILITY STRUCTURES. CONTRACTOR IS RESPONSIBLE TO COORDINATE SCHEDULES AND CONFLICTS. SEE CIVIL PLAN FOR ADDITIONAL INFORMATION AND CONTINUATION.
- (GENERAL) PROVIDE ALLOWANCE FOR SIDEWALK LIGHTING.

NOTES:

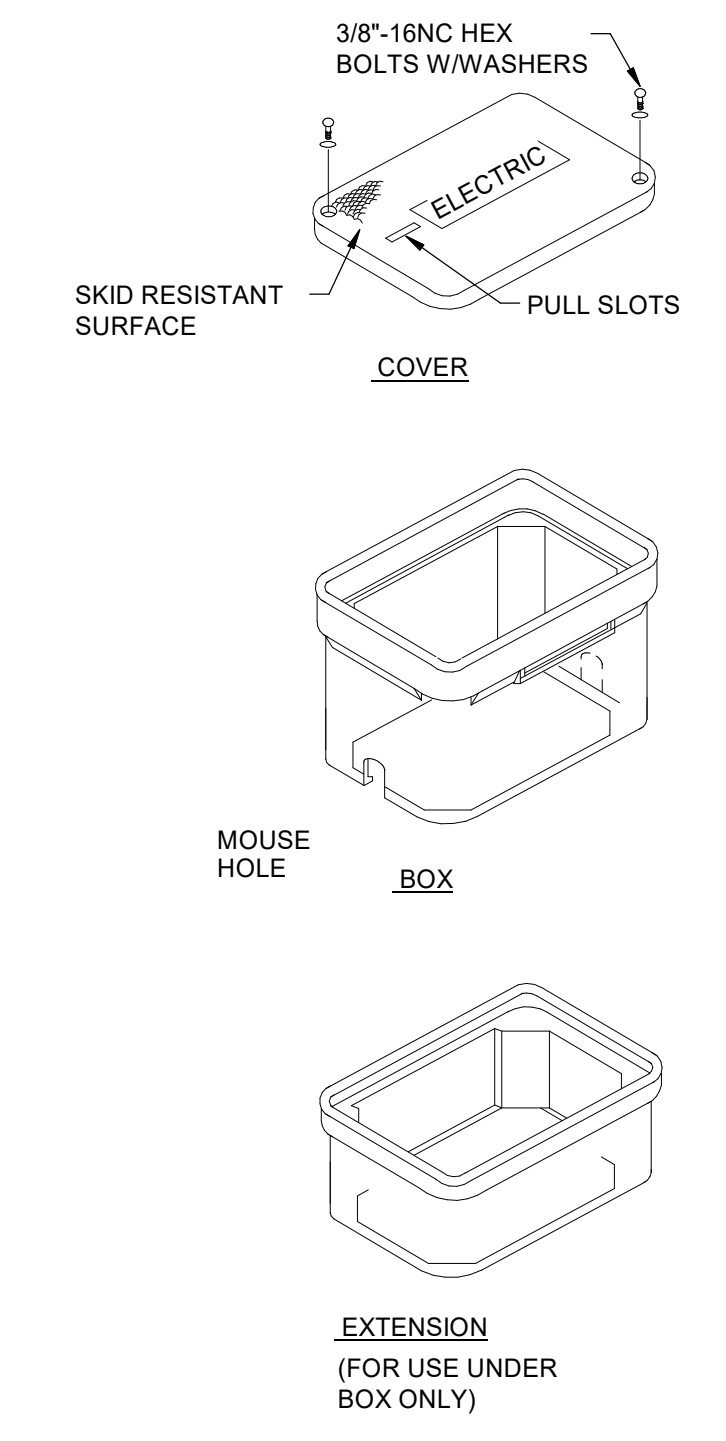
- (UTILITY PAD MOUNTED TRANSFORMER DETAIL)
- EDGE OF TRANSFORMER PAD SHALL BE LOCATED MINIMUM 10'-0" MINIMUM FROM WALKWAY, BALCONY, OVERHANGS, CANOPIES, AND EXTERIOR WALLS.
 - EDGE OF TRANSFORMER PAD SHALL BE LOCATED MINIMUM 14'-0" MINIMUM FROM ANY DOOR.
 - IF BUILDING HAS AN OVERHANG AND IS 3 OR LESS FLOORS IN HEIGHT ABOVE THE GROUND, THE 10 FOOT CLEARANCE IS MEASURED FROM A POINT BELOW THE EDGE OF THE OVERHANG.
 - FIRE ESCAPES, OUTSIDE STAIRS AND WALKWAYS ATTACHED TO OR BETWEEN BUILDINGS SHALL BE CONSIDERED PART OF THE BUILDING.
 - SECONDARY OF THE TRANSFORMER SHALL FACE THE BUILDING (SWITCHGEAR).
 - CURRENT TRANSFORMER (CT) TO BE PROVIDED BY LOCAL POWER COMPANY AND INSTALLED BY CONTRACTOR.
 - PROVIDE ONE 1 1/4" RIGID GALVANIZED STEEL CONDUIT FROM CT TO ELECTRIC METER. METER AND PEDISTAL TO BE SUPPLIED BY UTILITY COMPANY AND INSTALLED BY CONTRACTOR. PEDISTAL SHALL BE BURIED MINIMUM 2'-0" DEEP, SET IN CONCRETE.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND ARRANGEMENT WITH SERVING UTILITY COMPANY FOR SERVICE CONNECTION (INCLUDING PAYMENT OF ALL COSTS ASSOCIATED WITH THE SERVICE).



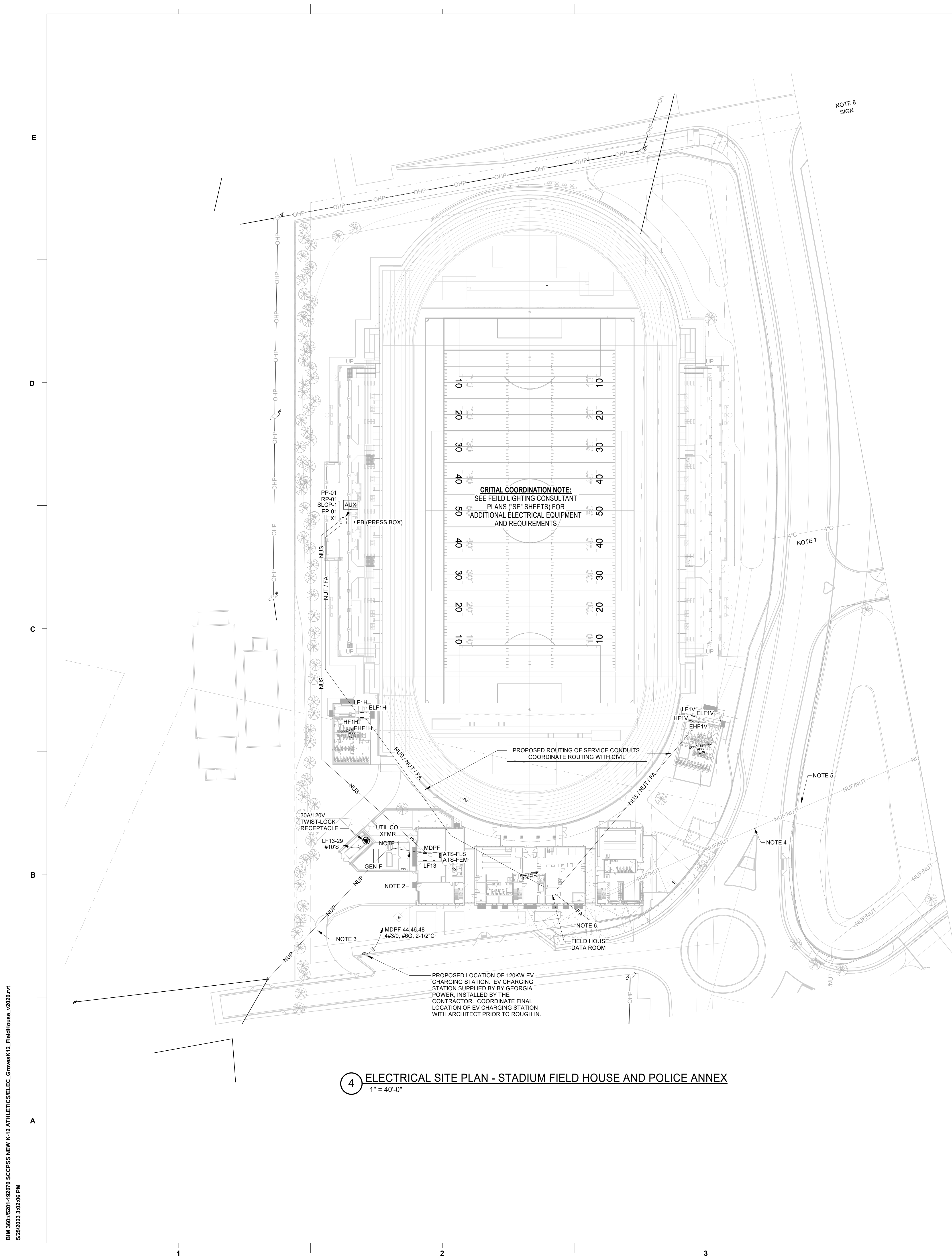
1 UTILITY PAD MOUNTED TRANSFORMER LOCATION
 NOT TO SCALE

NOTES:

- (PULL BOX DETAIL)
- GROUND COVER ON CONDUITS MAY BE REDUCED AT POINTS OF CONNECTIONS TO BOXES.
 - SIZE OF BOXES SHALL CONFORM TO NFPA 70, BASED ON CONDUITS ENTERING AND LEAVING BOXES. DEPTH OF BOX AND EXTENSION SHALL BE 30" NOMINAL.
 - PROVIDE SEPARATE BOXES FOR MEDIUM VOLTAGE AND LOW VOLTAGE SYSTEMS.
 - NO ENTRIES WILL BE ALLOWED THROUGH WALL OF EXTENSION. ALL ENTRIES MUST BE MADE THROUGH MOUSEHOLES OR ELBOWED FROM UNDERNEATH. ALL TERMINATIONS SHALL HAVE SOME TYPE OF BUSHING.
 - SET BOXES FLUSH WITH FINISHED GRADE. LOCATIONS SHALL BE APPROVED BY THE ARCHITECT.
 - SPECIFICATIONS:
 ANSII TIER 15 RATING. 15,000 LBS VERTICAL DESIGN LOAD RATING.
 COVER: HEAVY DUTY LOCKING TYPE WITH LOGO INDICATED. COLOR: GRAY.
 CONSTRUCTION: POLYMER CONCRETE WITH HEAVY-WEAVE FIBERGLASS REINFORCEMENT.



2 PULL BOX DETAIL
 NOT TO SCALE



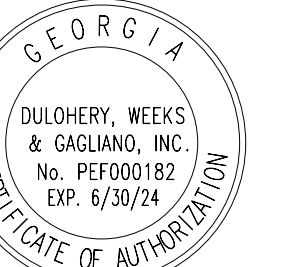
CRITICAL COORDINATION NOTE:
 SEE FIELD LIGHTING CONSULTANT PLANS ("SE" SHEETS) FOR ADDITIONAL ELECTRICAL EQUIPMENT AND REQUIREMENTS

PROPOSED ROUTING OF SERVICE CONDUITS. COORDINATE ROUTING WITH CIVIL

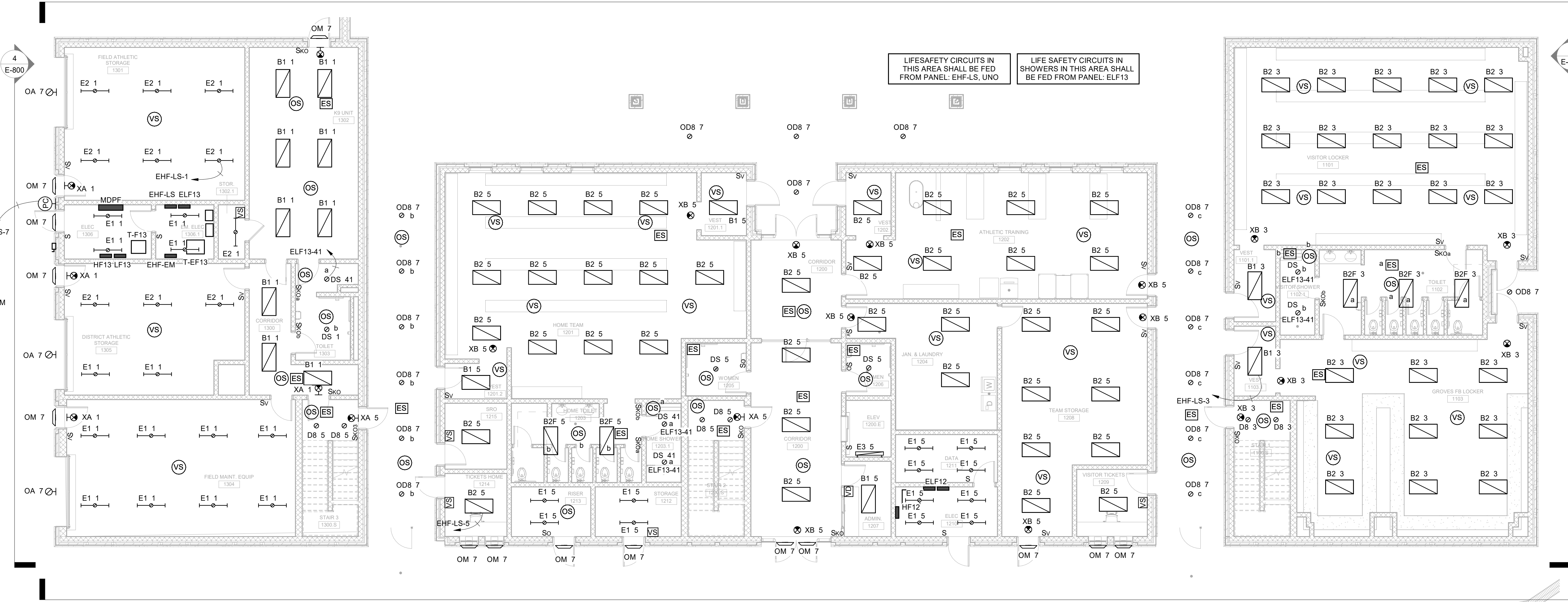
PROPOSED LOCATION OF 120KW EV CHARGING STATION. EV CHARGING STATION SUPPLIED BY GEORGIA POWER. INSTALLED BY THE CONTRACTOR. COORDINATE FINAL LOCATION OF EV CHARGING STATION WITH ARCHITECT PRIOR TO ROUGH IN.

4 ELECTRICAL SITE PLAN - STADIUM FIELD HOUSE AND POLICE ANNEX
 1" = 40'-0"

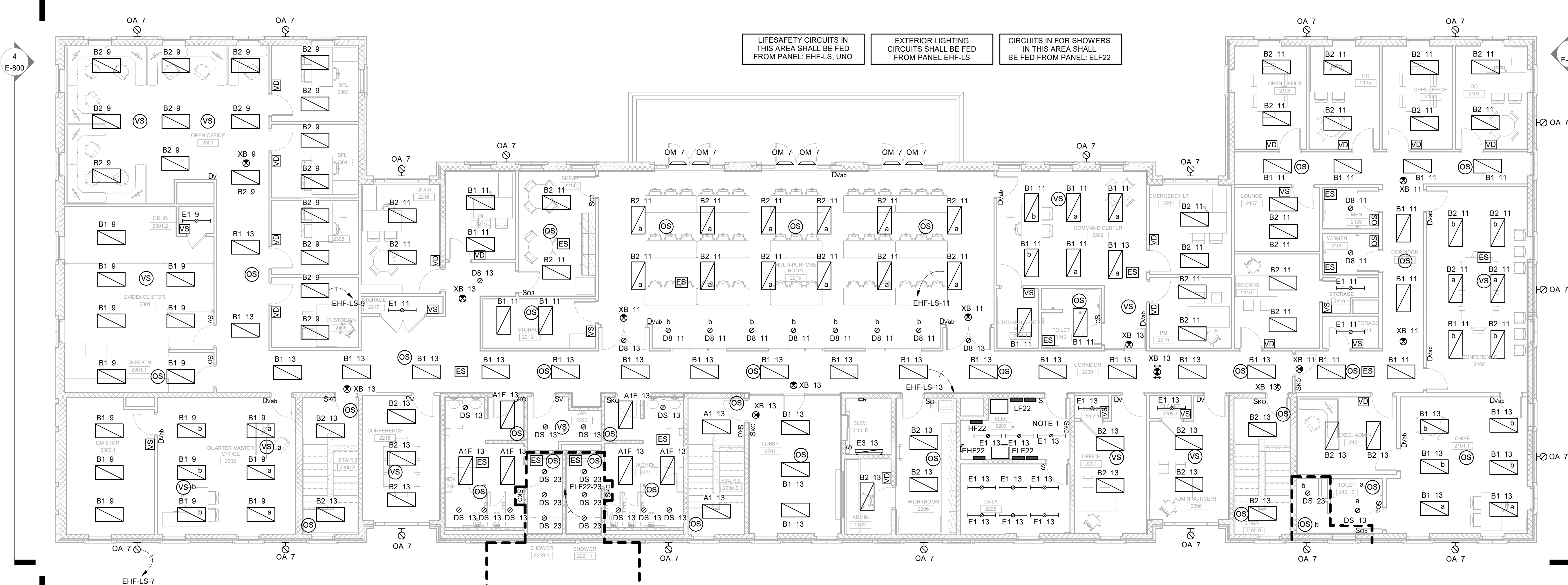
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REVISIONS table with columns: No., Description, Date



1 1ST FLOOR-LIGHTING PLAN - FIELDHOUSE 1/8" = 1'-0"



2 2ND FLOOR-LIGHTING PLAN - FIELDHOUSE 1/8" = 1'-0"

NOTES: 1. OVERRIDE SWITCH FOR CORRIDOR LIGHTS. PROVIDE PILOT LIGHT SWITCH WITH NAMEPLATE "CORRIDOR LIGHTING" ON COVER.

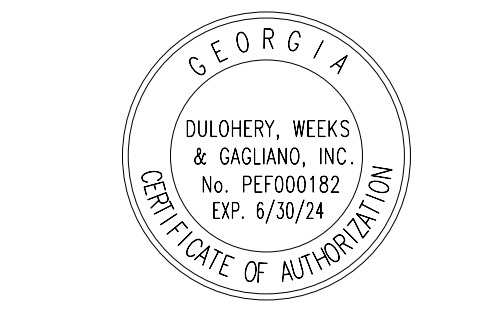
GENERAL NOTES: (THIS SHEET ONLY)

- A. COORDINATE EXACT LOCATIONS AND MOUNTINGS (FLANGE/LAY-IN) WITH ARCHITECTURAL CEILING PLAN AND SCHEDULES PRIOR TO ORDERING AND INSTALLING ANY FIXTURE.
B. EXIT LIGHT AND NIGHT LIGHT CIRCUITS ARE TO REMAIN UNSWITCHED.
C. PROVIDE UNSWITCHED PHASE CONDUCTOR TO EACH EMERGENCY UL 924 RELAY FOR POWER LOSS SENSING. SEE DETAILS.
D. ALL SPACES ARE TO BE CONTROLLED BY OCCUPANCY OR VACANCY SENSOR UNLESS SPECIFICALLY NOTED OTHERWISE. SEE DETAILS AND NOTES FOR ADDITIONAL REQUIREMENTS.
E. LOCATE EDGE OF WALL MOUNTED LIGHTING CONTROLS 12" AWAY FROM ANY CORNER OR OPENING UNO. COORDINATE ACTUAL LOCATIONS WITH ARCHITECT SEE DETAIL.
F. DISTANCE LIMITATIONS FOR ALL 277 VOLT, 20A BRANCH CIRCUITS:
1. CIRCUIT LENGTHS EXCEEDING 140 FEET SHALL CONSIST OF NO. 10 AWG CIRCUIT CONDUCTORS.
2. CIRCUIT LENGTHS EXCEEDING 225 FEET SHALL CONSIST OF NO. 8 AWG CIRCUIT CONDUCTORS.
3. CIRCUIT LENGTHS EXCEEDING 355 FEET SHALL CONSIST OF NO. 6 AWG CIRCUIT CONDUCTORS.
G. CONDUIT SIZE SHALL BE INCREASED ACCORDINGLY.
H. DISTANCE LIMITATIONS FOR ALL 120 VOLT, 20A BRANCH CIRCUITS:
1. CIRCUIT LENGTHS EXCEEDING 70 FEET SHALL CONSIST OF NO. 10 AWG CIRCUIT CONDUCTORS.
2. CIRCUIT LENGTHS EXCEEDING 115 FEET SHALL CONSIST OF NO. 8 AWG CIRCUIT CONDUCTORS.
3. CIRCUIT LENGTHS EXCEEDING 180 FEET SHALL CONSIST OF NO. 6 AWG CIRCUIT CONDUCTORS.
4. CONDUIT SIZE SHALL BE INCREASED ACCORDINGLY.

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RFP C24-01 GROVES ATHLETIC FIELDS & FIELDHOUSE



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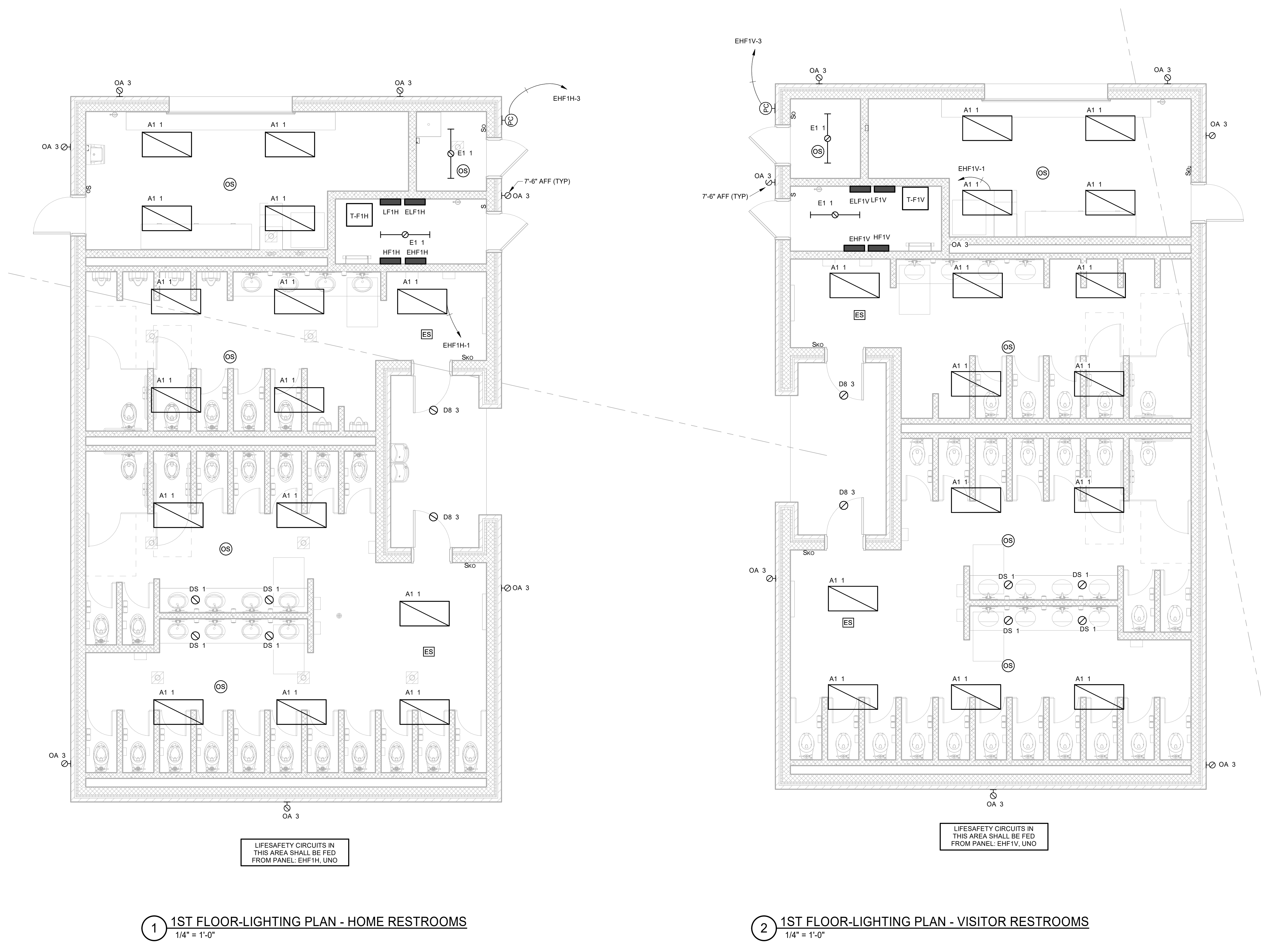
PROJECT: 5201-192070
DATE: 05/12/2023
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CHECKED BY: WOW

LIGHTING PLAN - RESTROOM / CONCESSIONS

E-102

GENERAL NOTES: (THIS SHEET ONLY)

- A. COORDINATE EXACT LOCATIONS AND MOUNTINGS (FLANGE/LAY-IN) WITH ARCHITECTURAL CEILING PLAN AND SCHEDULES PRIOR TO ORDERING AND INSTALLING ANY FIXTURE.
- B. EXIT LIGHT AND NIGHT LIGHT CIRCUITS ARE TO REMAIN UNSWITCHED.
- C. PROVIDE UNSWITCHED PHASE CONDUCTOR TO EACH EMERGENCY UL 924 RELAY FOR POWER LOSS SENSING. SEE DETAILS.
- D. ALL SPACES ARE TO BE CONTROLLED BY OCCUPANCY OR VACANCY SENSOR UNLESS SPECIFICALLY NOTED OTHERWISE. SEE DETAILS AND NOTES FOR ADDITIONAL REQUIREMENTS.
- E. LOCATE EDGE OF WALL MOUNTED LIGHTING CONTROLS 12" AWAY FROM ANY CORNER OR OPENING UNO. COORDINATE ACTUAL LOCATIONS WITH ARCHITECT SEE DETAIL.
- F. DISTANCE LIMITATIONS FOR ALL 277 VOLT, 20A BRANCH CIRCUITS:
 1. CIRCUIT LENGTHS EXCEEDING 140 FEET SHALL CONSIST OF NO. 10 AWG CIRCUIT CONDUCTORS.
 2. CIRCUIT LENGTHS EXCEEDING 225 FEET SHALL CONSIST OF NO. 8 AWG CIRCUIT CONDUCTORS.
 3. CIRCUIT LENGTHS EXCEEDING 365 FEET SHALL CONSIST OF NO. 6 AWG CIRCUIT CONDUCTORS.
- G. CONDUIT SIZE SHALL BE INCREASED ACCORDINGLY.
- H. DISTANCE LIMITATIONS FOR ALL 120 VOLT, 20A BRANCH CIRCUITS:
 1. CIRCUIT LENGTHS EXCEEDING 70 FEET SHALL CONSIST OF NO. 10 AWG CIRCUIT CONDUCTORS.
 2. CIRCUIT LENGTHS EXCEEDING 115 FEET SHALL CONSIST OF NO. 8 AWG CIRCUIT CONDUCTORS.
 3. CIRCUIT LENGTHS EXCEEDING 180 FEET SHALL CONSIST OF NO. 6 AWG CIRCUIT CONDUCTORS.
 4. CONDUIT SIZE SHALL BE INCREASED ACCORDINGLY.



LIFESAFETY CIRCUITS IN THIS AREA SHALL BE FED FROM PANEL: EHF1H, UNO

LIFESAFETY CIRCUITS IN THIS AREA SHALL BE FED FROM PANEL: EHF1V, UNO

1 1ST FLOOR-LIGHTING PLAN - HOME RESTROOMS
1/4" = 1'-0"

2 1ST FLOOR-LIGHTING PLAN - VISITOR RESTROOMS
1/4" = 1'-0"

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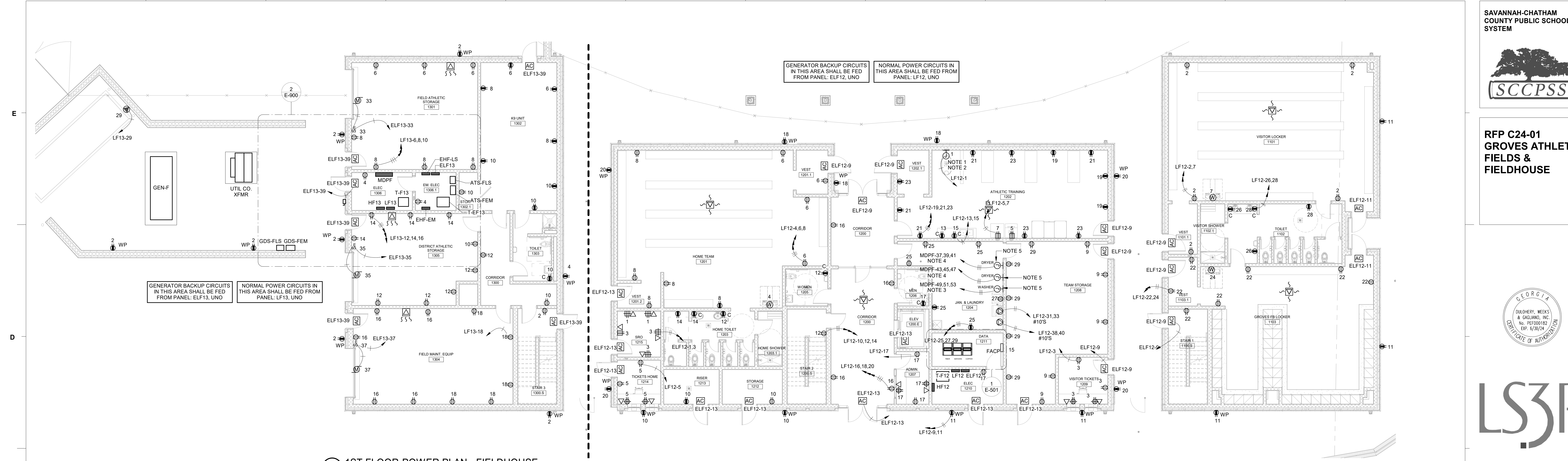
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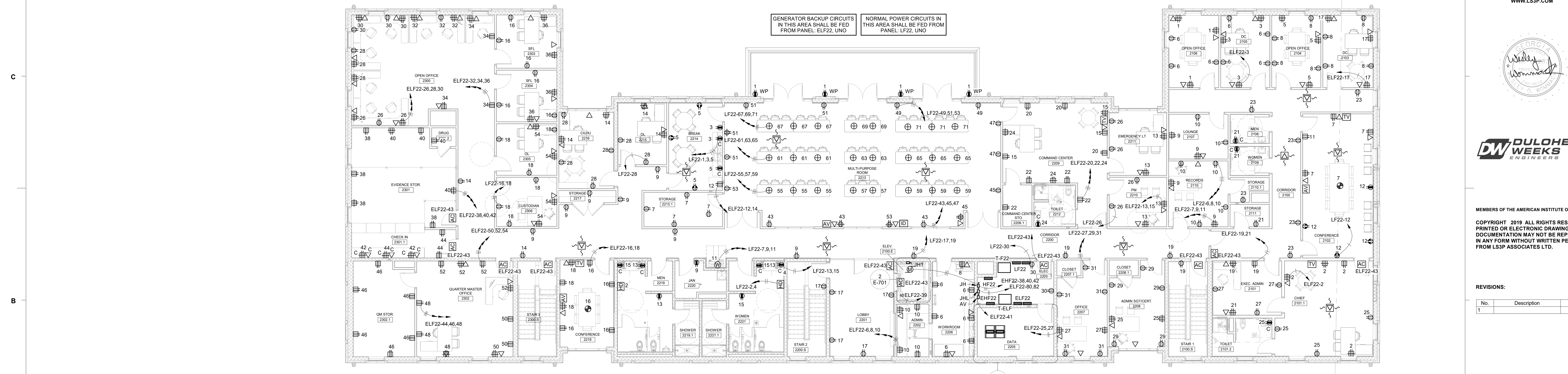
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 CHECKED BY: WOW

POWER PLAN - FIELDHOUSE

E-201



1 1ST FLOOR-POWER PLAN - FIELDHOUSE
 1/8" = 1'-0"



2 2ND FLOOR-POWER PLAN - FIELDHOUSE
 1/8" = 1'-0"

POWER GENERAL NOTES

- A. ALL RECEPTACLES SHALL BE TAMPER RESISTANT (CHILD PROOF) TYPE.
- B. SEE TELECOM SHEETS FOR ELECTRICAL CIRCUITS FOR ACCESS CONTROL POWER SUPPLIES.
- C. DISTANCE LIMITATIONS FOR ALL 120 VOLT, 20A BRANCH CIRCUITS:
 1. CIRCUIT LENGTHS EXCEEDING 70 FEET SHALL CONSIST OF NO. 10 AWG CIRCUIT CONDUCTORS.
 2. CIRCUIT LENGTHS EXCEEDING 115 FEET SHALL CONSIST OF NO. 8 AWG CIRCUIT CONDUCTORS.
 3. CIRCUIT LENGTHS EXCEEDING 180 FEET SHALL CONSIST OF NO. 6 AWG CIRCUIT CONDUCTORS.
 4. CONDUIT SIZE SHALL BE INCREASED ACCORDINGLY.

OUTLET CIRCUIT No. LEGEND

HOMERUN TO NORMAL POWER PANEL		HOMERUN TO EMERGENCY POWER PANEL	
⊖ #	NORMAL POWER - SIMPLEX RECEPTACLE.	⊖ #	EMERGENCY POWER - SIMPLEX RECEPTACLE, RED FACE.
⊖ ⊖ #	NORMAL POWER - DUPLEX RECEPTACLE.	⊖ ⊖ #	EMERGENCY POWER - DUPLEX RECEPTACLE, RED FACE.
⊖ ⊖ ⊖ #	NORMAL POWER - QUADRUPLX RECEPTACLE.	⊖ ⊖ ⊖ #	EMERGENCY POWER - QUADRUPLX, TWO DUPLEX RECEPTACLES UNDER COMMON FACEPLATE, RED FACE.
⊖ ⊖ ⊖ ⊖ #	NORMAL POWER - GROUND-FAULT-INTERRUPTING TYPE.	⊖ ⊖ ⊖ ⊖ #	EMERGENCY POWER - GROUND-FAULT-INTERRUPTING TYPE RECEPTACLE, RED FACE.
⊖ ⊖ ⊖ ⊖ ⊖ #	NORMAL POWER - POWER STATION DUPLEX RECEPTACLE WITH (2) USB CHARGING PORTS.	⊖ ⊖ ⊖ ⊖ ⊖ #	EMERGENCY POWER - POWER STATION DUPLEX RECEPTACLE WITH TWO USB PORTS UNDER COMMON FACEPLATE, RED FACE.
⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	NORMAL POWER - POWER STATION TWO DUPLEX RECEPTACLES WITH (4) USB CHARGING PORTS.	⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	EMERGENCY POWER - POWER STATION QUIDUPLEX, TWO DUPLEX RECEPTACLES WITH TWO USB PORTS UNDER COMMON FACEPLATE, RED FACE.
⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	NORMAL POWER - DRYER RECEPTACLE.	⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	EMERGENCY POWER - JUNCTION BOX.
⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	NORMAL POWER - SPECIAL PURPOSE RECEPTACLE.	⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	EMERGENCY POWER - SPECIAL PURPOSE RECEPTACLE.
⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	NORMAL POWER - HAND DRYER.	⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	EMERGENCY POWER - POKE THRU FLOOR OUTLET.
⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	NORMAL POWER - JUNCTION BOX.	⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	EMERGENCY POWER - FLOOR OUTLET.
⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	NORMAL POWER - FLOOR OUTLET / POKE THRU FLOOR OUTLET.	⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	EMERGENCY POWER CORD REEL.
⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	NORMAL POWER - QUADRUPLX, CEILING MOUNTED.	⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	EMERGENCY POWER DROP CORD.
⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	NORMAL POWER DROP CORD/ CORD REEL.	⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	
⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ ⊖ #	NORMAL POWER ELECTRIC WATER COOLER POWER CONNECTION, GFI CIRCUIT BREAKER.		

NOTES:

1. PROVIDE #8 GROUND FROM GROUND BAR IN PANEL "LF22" TO WHIRLPOOL. BOND ALL PARTS OF WHIRLPOOL PER N.E.C. 680.62.B AND 680.62.C.
2. MAKE FINAL ELECTRICAL CONNECTION TO WHIRLPOOL ACCORDING TO MANUFACTURER'S DATA.
3. PROVIDE #4, #10G, 1°C. HOMERUN FOR COMMERCIAL WASHING MACHINE.
4. PROVIDE #4, #10G, 1-1/4" C. HOMERUN FOR COMMERCIAL DRYER.
5. PROVIDE HASP LOCK CIRCUIT BREAKER FOR THE WASHER AND THE DRYER. COORDINATE EXACT ROUGH IN LOCATIONS OF JUNCTION BOXES WITH EQUIPMENT WIRING COMPARTMENT AND MECHANICAL APPURTENANCES. MAKE FINAL CONNECTIONS TO UNITS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

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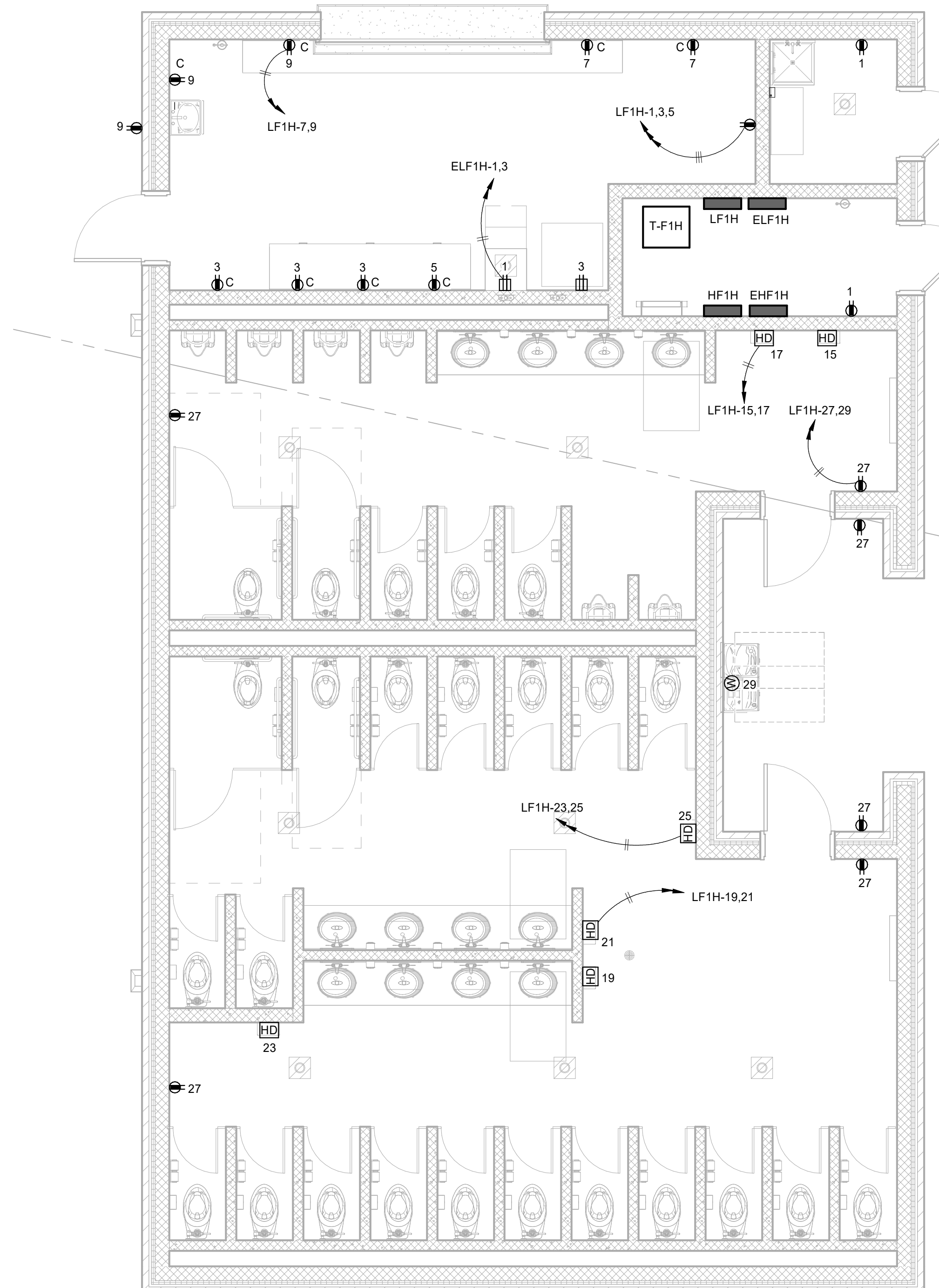
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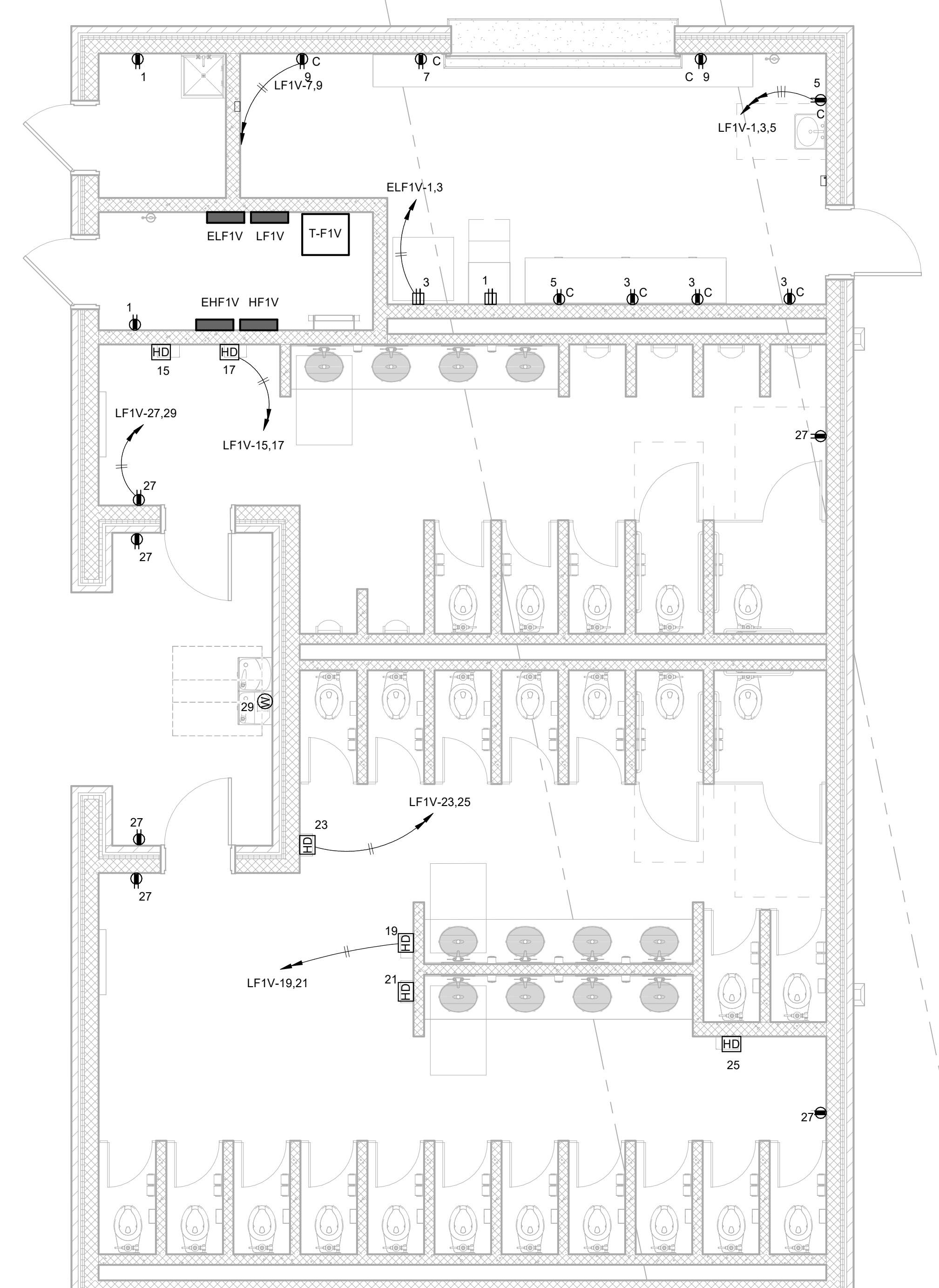
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DATE: 05/12/2023
DRAWN BY: GJC
CHECKED BY: WOW

POWER PLAN - RESTROOM / CONCESSIONS

E-202



1 1ST FLOOR-POWER PLAN - HOME RESTROOMS
1/4" = 1'-0"



2 1ST FLOOR-POWER PLAN - VISITOR RESTROOMS
1/4" = 1'-0"

POWER GENERAL NOTES

- A. ALL RECEPTACLES SHALL BE TAMPER RESISTANT (CHILD PROOF) TYPE.
- B. SEE TELECOM SHEETS FOR ELECTRICAL CIRCUITS FOR ACCESS CONTROL POWER SUPPLIES.
- C. DISTANCE LIMITATIONS FOR ALL 120 VOLT, 20A BRANCH CIRCUITS:
 1. CIRCUIT LENGTHS EXCEEDING 70 FEET SHALL CONSIST OF NO. 10 AWG CIRCUIT CONDUCTORS.
 2. CIRCUIT LENGTHS EXCEEDING 115 FEET SHALL CONSIST OF NO. 8 AWG CIRCUIT CONDUCTORS.
 3. CIRCUIT LENGTHS EXCEEDING 180 FEET SHALL CONSIST OF NO. 6 AWG CIRCUIT CONDUCTORS.
 4. CONDUIT SIZE SHALL BE INCREASED ACCORDINGLY.

OUTLET CIRCUIT No. LEGEND

HOMERUN TO NORMAL POWER PANEL		HOMERUN TO EMERGENCY POWER PANEL	
⊖ #	NORMAL POWER - SIMPLEX RECEPTACLE.	⊖ #	EMERGENCY POWER - SIMPLEX RECEPTACLE, RED FACE.
⊖ #	NORMAL POWER - DUPLEX RECEPTACLE.	⊖ #	EMERGENCY POWER - DUPLEX RECEPTACLE, RED FACE.
⊖ #	NORMAL POWER - QUADRUPLX RECEPTACLE.	⊖ #	EMERGENCY POWER - QUADRUPLX: TWO DUPLEX RECEPTACLES UNDER COMMON FACEPLATE, RED FACE.
⊖ #	NORMAL POWER - GROUND-FAULT-INTERRUPTING TYPE.	⊖ #	EMERGENCY POWER - GROUND-FAULT-INTERRUPTING TYPE RECEPTACLE, RED FACE.
⊖ #	NORMAL POWER - POWER STATION DUPLEX RECEPTACLE WITH (2) USB CHARGING PORTS.	⊖ #	EMERGENCY POWER - POWER STATION DUPLEX RECEPTACLE WITH TWO USB PORTS UNDER COMMON FACEPLATE, RED FACE.
⊖ #	NORMAL POWER - POWER STATION TWO DUPLEX RECEPTACLES WITH (4) USB CHARGING PORTS.	⊖ #	EMERGENCY POWER - POWER STATION QUIDUPLEX: TWO DUPLEX RECEPTACLES WITH TWO USB PORTS UNDER COMMON FACEPLATE, RED FACE.
⊖ #	NORMAL POWER - DRYER RECEPTACLE.	⊖ #	EMERGENCY POWER - JUNCTION BOX
⊖ #	NORMAL POWER - SPECIAL PURPOSE RECEPTACLE.	⊖ #	EMERGENCY POWER - SPECIAL PURPOSE RECEPTACLE.
HD #	NORMAL POWER - HAND DRYER.	⊖ #	EMERGENCY POWER - POKE THRU FLOOR OUTLET.
⊖ #	NORMAL POWER - JUNCTION BOX	⊖ #	EMERGENCY POWER - FLOOR OUTLET.
⊖ #	NORMAL POWER - FLOOR OUTLET / POKE THRU FLOOR OUTLET.	⊖ #	EMERGENCY POWER CORD REEL.
⊖ #	NORMAL POWER - QUADRUPLX, CEILING MOUNTED	⊖ #	EMERGENCY POWER DROP CORD.
⊖ #	NORMAL POWER DROP CORD/ CORD REEL.		
⊖ #	NORMAL POWER ELECTRIC WATER COOLER POWER CONNECTION, GFI CIRCUIT BREAKER.		

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321 WEST CONGRESS STREET SUITE 301
SAVANNAH, GEORGIA 31401
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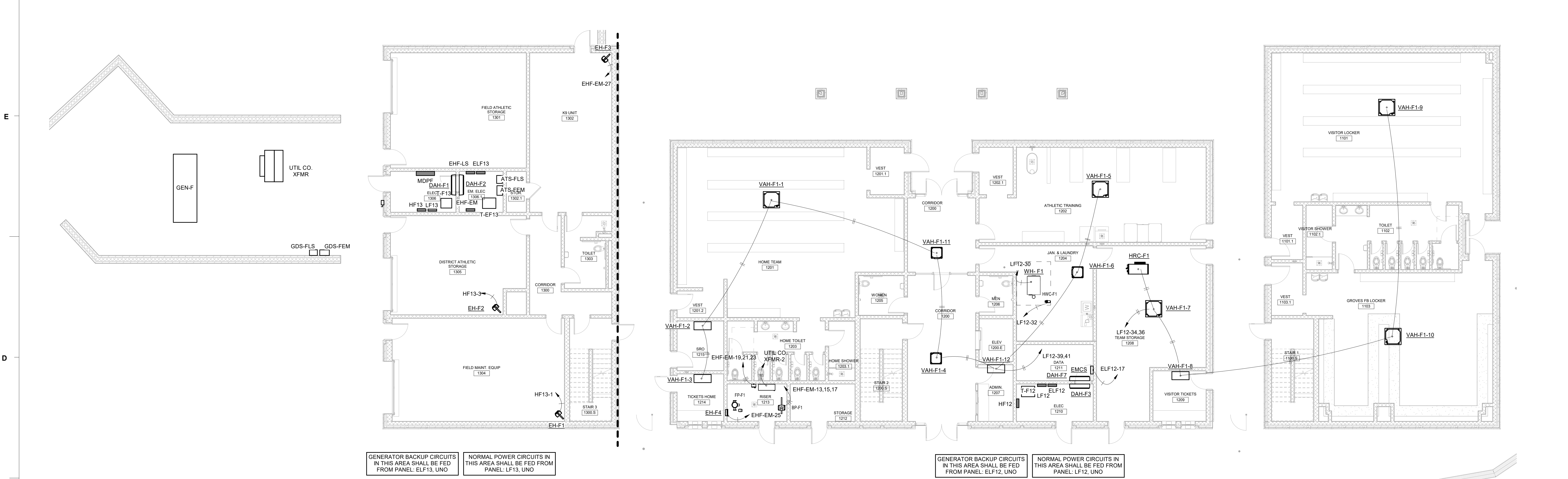
REVISIONS:

No.	Description	Date

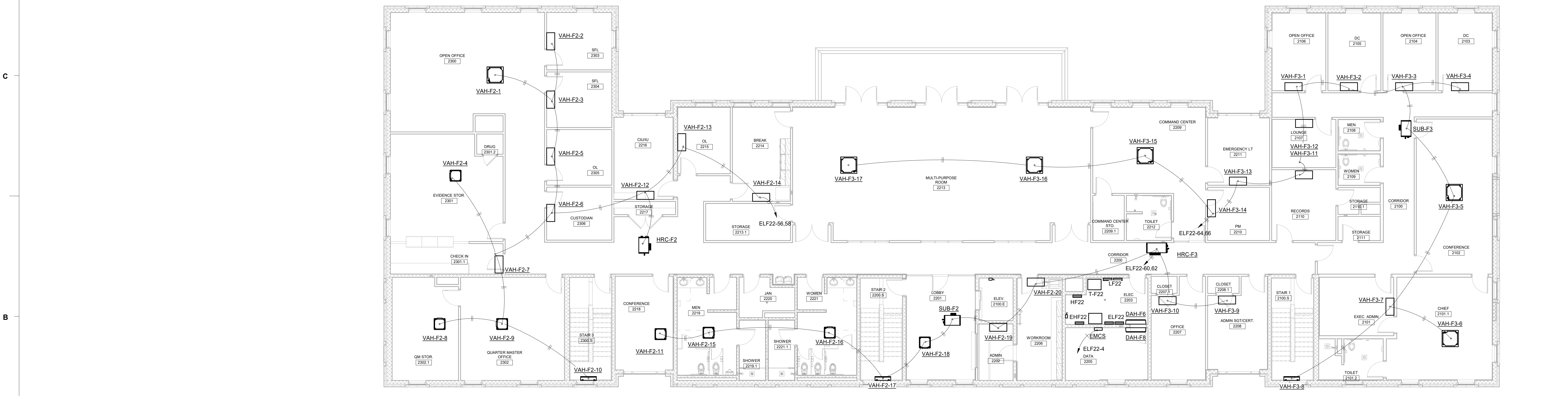
PROJECT: 5201-192070
DATE: 05/12/2023
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MECHANICAL POWER - FIELDHOUSE

E-301



1 1ST FLOOR-MECHANICAL POWER PLAN - FIELDHOUSE
1/8" = 1'-0"

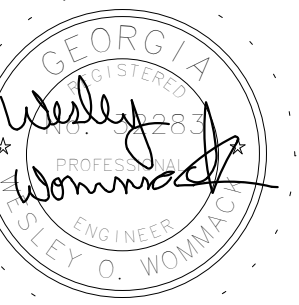
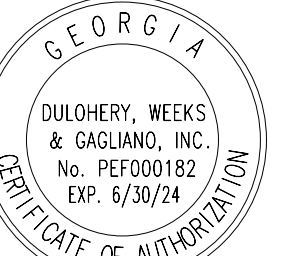


2 2ND FLOOR-MECHANICAL POWER PLAN - FIELDHOUSE
1/8" = 1'-0"

GENERAL NOTES

- A. PROVIDE ELECTRICAL CONNECTION TO EACH SMOKE DAMPER AND COMBINATION FIRE SMOKE DAMPER. PROVIDE 3/12" C. FROM DAMPER TO NEAREST 120 VOLT, 20 AMP, NON-SWITCHED RECEPTACLE CIRCUIT. PROVIDE MOTOR RATED SWITCH AT EACH. SEE MECHANICAL PLANS FOR LOCATIONS AND QUANTITIES OF SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS.
- B. WALL JUNCTION BOXES AND CONDUIT FOR THERMOSTATS AND CO2 SENSORS SHALL BE PROVIDED - VERIFY EXACT LOCATION WITH MECHANICAL PRIOR TO ROUGH IN.
- C. PROVIDE ELECTRICAL CONNECTION TO EACH TRAP PRIMER. SEE PLUMBING PLAN FOR EXACT QUANTITIES AND LOCATIONS.
- D. PROVIDE GFCI RECEPTACLE WITHIN 10'-0" OF EACH PLUMBING CLEANOUT. PROVIDE 3/12" FROM GFCI RECEPTACLE CIRCUIT COORDINATE EXACT QUANTITIES/LOCATIONS OF CLEANOUTS WITH PLUMBING PRIOR TO BID/ROUGH IN.
- E. SEE ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT SCHEDULES FOR FEEDER AND DISCONNECT SIZING.
- F. DISTANCE LIMITATIONS FOR ALL 277 VOLT, 20A BRANCH CIRCUITS:
 1. CIRCUIT LENGTHS EXCEEDING 140 FEET SHALL CONSIST OF NO. 10 AWG CIRCUIT CONDUCTORS.
 2. CIRCUIT LENGTHS EXCEEDING 225 FEET SHALL CONSIST OF NO. 8 AWG CIRCUIT CONDUCTORS.
 3. CIRCUIT LENGTHS EXCEEDING 365 FEET SHALL CONSIST OF NO. 6 AWG CIRCUIT CONDUCTORS.
- G. CONDUIT SIZE SHALL BE INCREASED ACCORDINGLY.
- H. DISTANCE LIMITATIONS FOR ALL 120 VOLT, 20A BRANCH CIRCUITS:
 1. CIRCUIT LENGTHS EXCEEDING 70 FEET SHALL CONSIST OF NO. 10 AWG CIRCUIT CONDUCTORS.
 2. CIRCUIT LENGTHS EXCEEDING 115 FEET SHALL CONSIST OF NO. 8 AWG CIRCUIT CONDUCTORS.
 3. CIRCUIT LENGTHS EXCEEDING 180 FEET SHALL CONSIST OF NO. 6 AWG CIRCUIT CONDUCTORS.
 4. CONDUIT SIZE SHALL BE INCREASED ACCORDINGLY.

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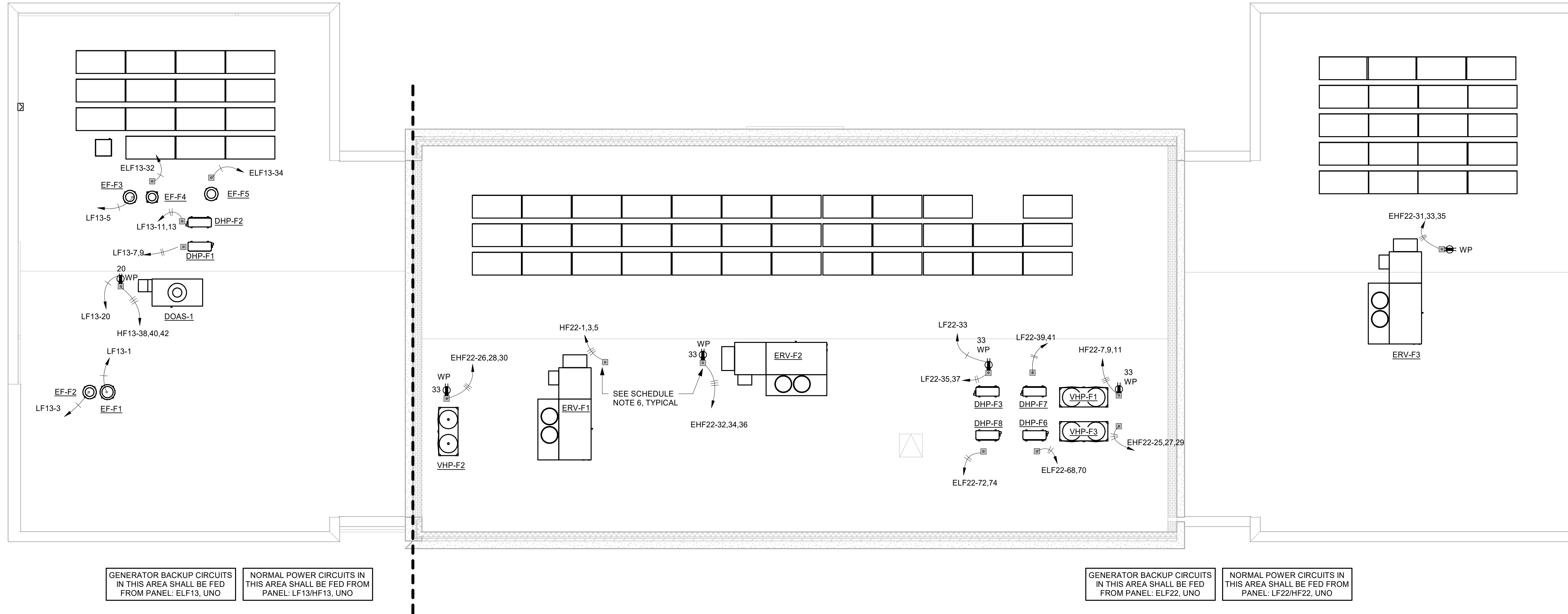
REVISIONS:

No.	Description	Date

PROJECT: 5201-192070
DATE: 05/12/2023
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ELECTRICAL
ROOF PLAN -
FIELDHOUSE

E-302



2 ROOF PLAN-MECHANICAL POWER PLAN - FIELDHOUSE
1/8" = 1'-0"

MECHANICAL EQUIPMENT RATINGS AND CONNECTIONS								
Item w No	VOLT	PH	PANEL CKT	MCA	MOCP	DISCONNECT	WIRE SIZE	NOTES
CONTROL PANEL								
EMCS	120 V	1	ELF12-17	5	20	Sm	3#12, 1/2"	
EMCS	120 V	1	ELF22-4	5	20	Sm	3#12, 1/2"	
DHP								
DHP/DAH-F1	208 V	1	LF13-7.9	25	35	60A/2P/3R, NOTE 4	3#8, #10G, 3/4"	NOTE 6
DHP/DAH-F2	208 V	1	LF13-11.13	25	35	60A/2P/3R, NOTE 4	3#8, #10G, 3/4"	NOTE 6
DHP/DAH-F3	208 V	1	LF22-35.37	25	35	60A/2P/3R, NOTE 4	3#8, #10G, 3/4"	NOTE 6
DHP/DAH-F5	208 V	1	LF22-39.41	25	35	60A/2P/3R, NOTE 4	3#8, #10G, 3/4"	NOTE 6
DHP/DAH-F6	208 V	1	ELF22-68.70	25	35	60A/2P/3R, NOTE 4	3#8, #10G, 3/4"	NOTE 6
DHP/DAH-F8	208 V	1	ELF22-72.74	25	35	60A/2P/3R, NOTE 4	3#8, #10G, 3/4"	NOTE 6
DOAS UNIT								
DOAS-1	480 V	3	HF13-38,40,42	18.3	20	30A/3P/3R, NOTE 6	3#10, #10G, 1/2"	
ELECTRIC FANS								
EF-F1	120 V	1	LF13-1	1.5	20	BY DIV. 23	3#12, 1/2"	THERMOSTAT CONTROL
EF-F2	120 V	1	LF13-3	1.5	20	BY DIV. 23	3#12, 1/2"	THERMOSTAT CONTROL
EF-F3	120 V	1	LF13-5	1.5	20	BY DIV. 23	3#12, 1/2"	THERMOSTAT CONTROL
EF-F4	120 V	1	ELF13-32	2	15	30A/1P/3R FUSED SKAIC, NOTE 6	3#12, 1/2"	
EF-F5	120 V	1	ELF13-34	2	15	30A/1P/3R FUSED SKAIC, NOTE 6	3#12, 1/2"	
ELECTRIC HEATER								
EH-F1	277 V	1	HF13-1	18	30	BY DIV. 23	2#10, #10G, 1/2"	
EH-F2	277 V	1	HF13-3	18	30	BY DIV. 23	2#10, #10G, 1/2"	
EH-F3	277 V	1	EHF-EM-27	18	30	BY DIV. 23	2#10, #10G, 1/2"	
EH-F4	277 V	1	EHF-EM-25	10.8	20	BY DIV. 23	2#12, #10G, 1/2"	
ENERGY RECOVERY UNIT								
ERV-F1	480 V	3	HF22-1,3,5	32.1	35	60A/3P/3R, NOTE 6	3#8, #10G, 3/4"	
ERV-F2	480 V	3	EHF22-32,34,36	32.1	35	60A/3P/3R, NOTE 6	3#8, #10G, 3/4"	
ERV-F3	480 V	3	EHF22-31,33,35	32.1	35	60A/3P/3R, NOTE 6	3#8, #10G, 3/4"	
HRC								
HRC-F1	208 V	1	LF12-34,36	0.89	15	Sm, NOTE 5	2#12, #12G, 1/2"	
SUB-F2	208 V	1	ELF22-60.62	0.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
HRC-F2	208 V	1	ELF22-56.58	0.53	15	Sm, NOTE 5	2#12, #12G, 1/2"	
HRC-F3	208 V	1	ELF22-60.62	1.54	15	Sm, NOTE 5	2#12, #12G, 1/2"	
SUB-F3	208 V	1	ELF22-64.66	0.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
PLUMBING								

MECHANICAL EQUIPMENT RATINGS AND CONNECTIONS								
Item w No	VOLT	PH	PANEL CKT	MCA	MOCP	DISCONNECT	WIRE SIZE	NOTES
BP-F1	480 V	3	EHF-EM-13,15,17	7.6	20	30A/3P	3#12, #12G, 1/2"	
WH-F1	120 V	1	LF12-30	10.8	20	30A/1P	2#12, #12G, 1/2"	FLOOR MOUNTED
FP-F1	480 V	3	UTIL CO. XFMR-2	54.2	70	100A/3P	3#4, #8G, 1-1/4"	
HWC-F1	120 V	1	LF12-32	20	20	Sm	2#12, #12G, 1/2"	CONTROLLED BY AQUASTAT
JP-F1	480 V	3	EHF-EM-19,21,23	3.5	20	30A/3P	3#12, #12G, 1/2"	
VAH								
VAH-F1-1	208 V	1	LF12-39.41	2.3	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F1-2	208 V	1	LF12-39.41	0.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F1-3	208 V	1	LF12-39.41	0.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F1-4	208 V	1	LF12-39.41	1.1	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F1-5	208 V	1	LF12-39.41	2	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F1-6	208 V	1	LF12-39.41	0.38	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F1-7	208 V	1	LF12-34.36	0.9	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F1-8	208 V	1	LF12-34.36	0.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F1-9	208 V	1	LF12-34.36	2.3	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F1-10	208 V	1	LF12-34.36	1.7	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F1-11	208 V	1	LF12-39.41	1.1	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F1-12	208 V	1	LF12-39.41	0.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-1	208 V	1	ELF22-56.58	1.7	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-2	208 V	1	ELF22-56.58	0.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-3	208 V	1	ELF22-56.58	29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-4	208 V	1	ELF22-56.58	.73	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-5	208 V	1	ELF22-56.58	29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-6	208 V	1	ELF22-56.58	29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-7	208 V	1	ELF22-56.58	29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-8	208 V	1	ELF22-56.58	.38	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-9	208 V	1	ELF22-60.62	.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-9	208 V	1	ELF22-56.58	.53	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-9A	208 V	1	ELF22-64.66	.45	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-9B	208 V	1	ELF22-64.66	.38	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-10	208 V	1	ELF22-60.62	.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VHP								
VHP-F1	480 V	3	HF22-7.9,11	35	40	60A/3P/3R, NOTE 6	3#8, #10G, 3/4"	
VHP-F2	480 V	3	EHF22-26,28,30	35	40	60A/3P/3R, NOTE 6	3#8, #10G, 3/4"	
VHP-F3	480 V	3	EHF22-25,27,29	35	40	60A/3P/3R, NOTE 6	3#8, #10G, 3/4"	

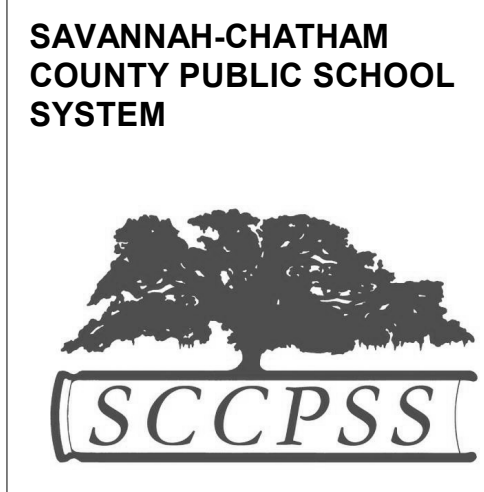
MECHANICAL EQUIPMENT RATINGS AND CONNECTIONS								
Item w No	VOLT	PH	PANEL CKT	MCA	MOCP	DISCONNECT	WIRE SIZE	NOTES
VAH-F2-10	208 V	1	ELF22-56.58	.45	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-11	208 V	1	ELF22-60.62	.53	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-12	208 V	1	ELF22-56.58	.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-13	208 V	1	ELF22-64.66	.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-13	208 V	1	ELF22-56.58	.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-14	208 V	1	ELF22-56.58	.37	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-15	208 V	1	ELF22-60.62	0.38	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-16	208 V	1	ELF22-60.62	0.38	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-17	208 V	1	ELF22-60.62	.45	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-18	208 V	1	ELF22-60.62	.45	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-19	208 V	1	ELF22-60.62	.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F2-20	208 V	1	ELF22-60.62	.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F3-1	208 V	1	ELF22-64.66	.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F3-2	208 V	1	ELF22-64.66	.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F3-3	208 V	1	ELF22-64.66	.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F3-4	208 V	1	ELF22-64.66	.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F3-5	208 V	1	ELF22-64.66	1.1	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F3-6	208 V	1	ELF22-64.66	.91	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F3-7	208 V	1	ELF22-64.66	.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F3-8	208 V	1	ELF22-64.66	.45	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F3-11	208 V	1	ELF22-64.66	.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F3-12	208 V	1	ELF22-64.66	.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F3-14	208 V	1	ELF22-64.66	.29	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VAH-F3-15	208 V	1	ELF22-64.66	.38	15	Sm, NOTE 5	2#12, #12G, 1/2"	
VHP								
VHP-F1	480 V	3	HF22-7.9,11	35	40	60A/3P/3R, NOTE 6	3#8, #10G, 3/4"	
VHP-F2	480 V	3	EHF22-26,28,30	35	40	60A/3P/3R, NOTE 6	3#8, #10G, 3/4"	
VHP-F3	480 V	3	EHF22-25,27,29	35	40	60A/3P/3R, NOTE 6	3#8, #10G, 3/4"	

SCHEDULE NOTES

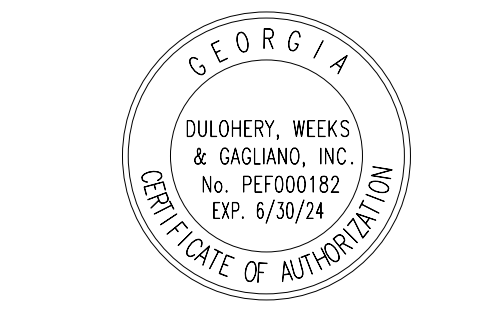
- REFER TO SECTION 260120 FOR THE COORDINATION AFFIDAVIT THAT MUST BE SUBMITTED AND APPROVED BEFORE MATERIALS MAY BE ORDERED.
- THE DESIGN IS BASED ON SINGLE POINT CONNECTIONS TO ALL EQUIPMENT, UNLESS NOTED OTHERWISE.
- WHERE STARTER IS REQUIRED BY DIV 26, IT IS SHOWN AS SIZE 1, ETC. ALL STARTERS SHALL BE COMBINATION TYPE UNLESS INDICATED OTHERWISE. DISCONNECTS ARE SHOWN AS 30A/3P, ETC.
- THE INDOOR UNIT RECEIVES POWER FROM THE OUTDOOR UNIT. PROVIDE 30 AMP, 2 POLE TOGGLE SWITCH ON LINE SIDE OF INDOOR UNIT. REFER TO UNIT CUT-SHEETS FOR CONNECTION REQUIREMENTS. DIVISION 26 CONTRACTOR IS RESPONSIBLE FOR ALL WIRING COMPONENTS AND INSTALLATION.
- PROVIDE LOCKABLE 20A, 2P TOGGLE SWITCH FOR EACH VRF INDOOR UNIT FOR UNIT DISCONNECT WITHOUT TURNING OFF POWER FOR THE ENTIRE CIRCUIT.
- PROVIDE PEDISTAL FOR MOUNTING DISCONNECT AND WP DUPLEX GFCI OUTLET. PEDISTAL SHALL BE MOUNTED ADJACENT TO THE ROOF TOP EQUIPMENT, WITHIN 6' OF UNIT WIRING COMPARTMENT. COORDINATE FINAL LOCATION WITH ARCHITECT, ROOFING INSTALLER AND MECHANICAL UNIT CLEARANCE REQUIREMENTS PRIOR TO ROUGH IN. DO NOT MOUNT RECEPTACLE AND UNIT DISCONNECT DIRECTLY ON EQUIPMENT HOUSING. PEDISTAL SHALL BE MAPA PRODUCTS "MPD-X-38" 12" OR EQUAL, STAINLESS STEEL 4"x4", 11 GAUGE WITH GFCI OPTION. COORDINATE PEDISTAL CURBING OPTION WITH ROOFING INSTALLER. SEE SCHEDULE FOR DISCONNECT SIZE. PROVIDE PEDISTAL RECEPTACLE OPTION FOR EACH RECEPTACLE SHALL BE CIRCUITED TO NEAREST 120 VOLT RECEPTACLE CIRCUIT.

GENERAL NOTES

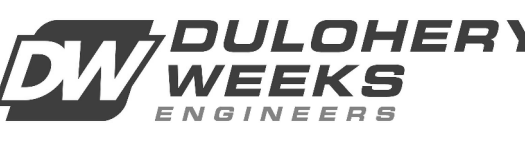
- A. PROVIDE ELECTRICAL CONNECTION TO EACH SMOKE DAMPER AND COMBINATION FIRE SMOKE DAMPER. PROVIDE 3/12, 1/2" C. FROM DAMPER TO NEAREST 120 VOLT, 20 AMP, NON-SWITCHED RECEPTACLE CIRCUIT. PROVIDE MOTOR RATED SWITCH AT EACH. SEE MECHANICAL PLANS FOR LOCATIONS AND QUANTITIES OF SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS.
- B. WALL JUNCTION BOXES AND CONDUIT FOR THERMOSTATS AND CO2 SENSORS SHALL BE PROVIDED - VERIFY EXACT LOCATION WITH MECHANICAL PRIOR TO ROUGH IN.
- C. PROVIDE ELECTRICAL CONNECTION TO EACH TRAP PRIMER. SEE PLUMBING PLAN FOR EXACT QUANTITIES AND LOCATIONS.
- D. PROVIDE GFCI RECEPTACLE WITHIN 10'-0" OF EACH PLUMBING CLEANOUT. PROVIDE 3/12 FROM GFCI RECEPTACLE CIRCUIT. COORDINATE EXACT QUANTITIES/LOCATIONS OF CLEANOUTS WITH PLUMBING PRIOR TO BID/ROUGH IN.
- E. SEE ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT SCHEDULES FOR FEEDER AND DISCONNECT SIZING.
- F. DISTANCE LIMITATIONS FOR ALL 277 VOLT, 20A BRANCH CIRCUITS:
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 2. CIRCUIT LENGTHS EXCEEDING 225 FEET SHALL CONSIST OF NO. 8 AWG CIRCUIT CONDUCTORS.
 3. CIRCUIT LENGTHS EXCEEDING 365 FEET SHALL CONSIST OF NO. 6 AWG CIRCUIT CONDUCTORS.
- G. CONDUIT SIZE SHALL BE INCREASED ACCORDINGLY.
- H. DISTANCE LIMITATIONS FOR ALL 120 VOLT, 20A BRANCH CIRCUITS:
 1. CIRCUIT LENGTHS EXCEEDING 70 FEET SHALL CONSIST OF NO. 10 AWG CIRCUIT CONDUCTORS.
 2. CIRCUIT LENGTHS EXCEEDING 115 FEET SHALL CONSIST OF NO. 8 AWG CIRCUIT CONDUCTORS.
 3. CIRCUIT LENGTHS EXCEEDING 180 FEET SHALL CONSIST OF NO. 6 AWG CIRCUIT CONDUCTORS.
 4. CONDUIT SIZE SHALL BE INCREASED ACCORDINGLY.



**RFP C24-01
GROVES ATHLETIC
FIELDS &
FIELDHOUSE**



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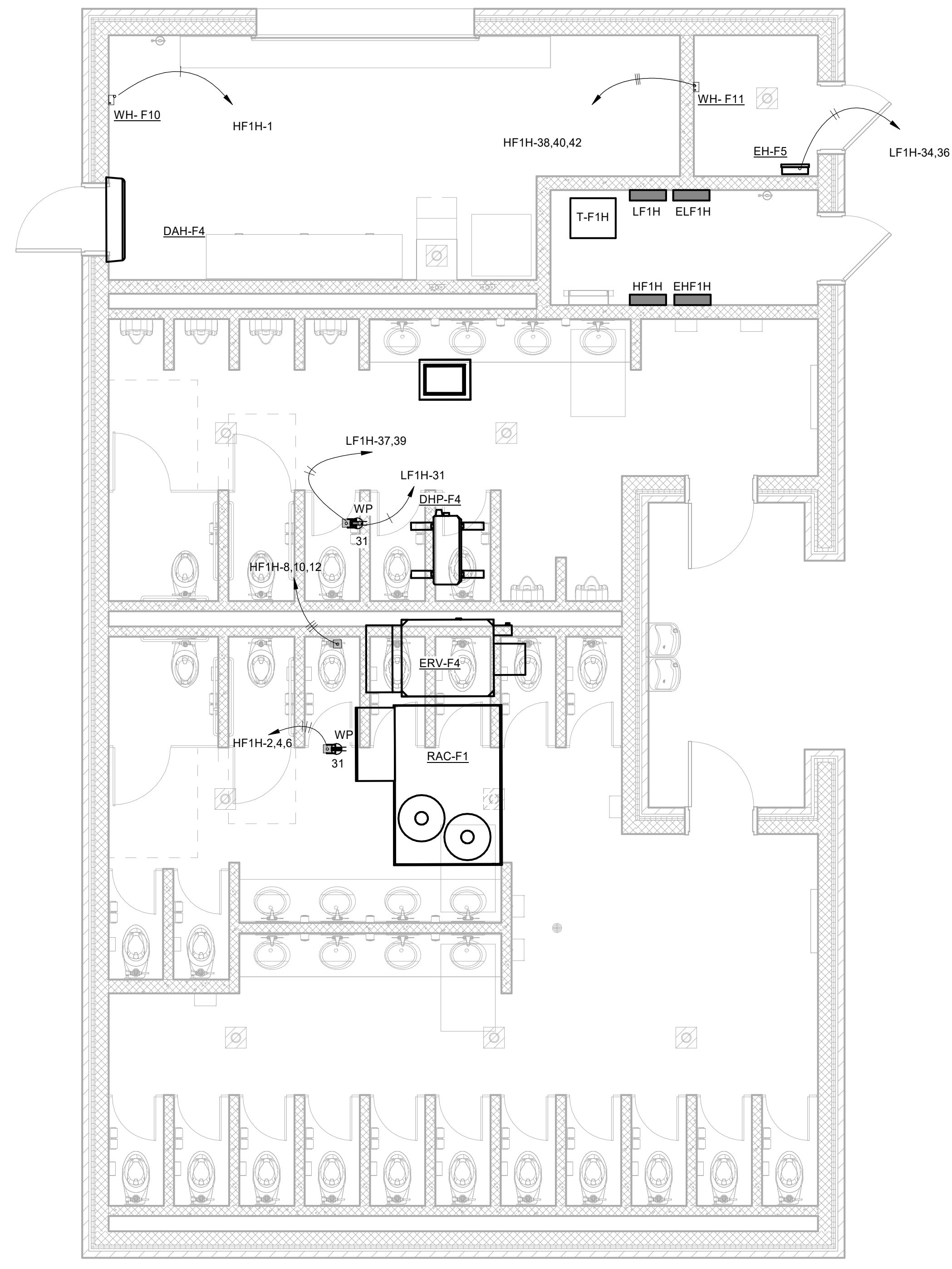
REVISIONS:

No.	Description	Date

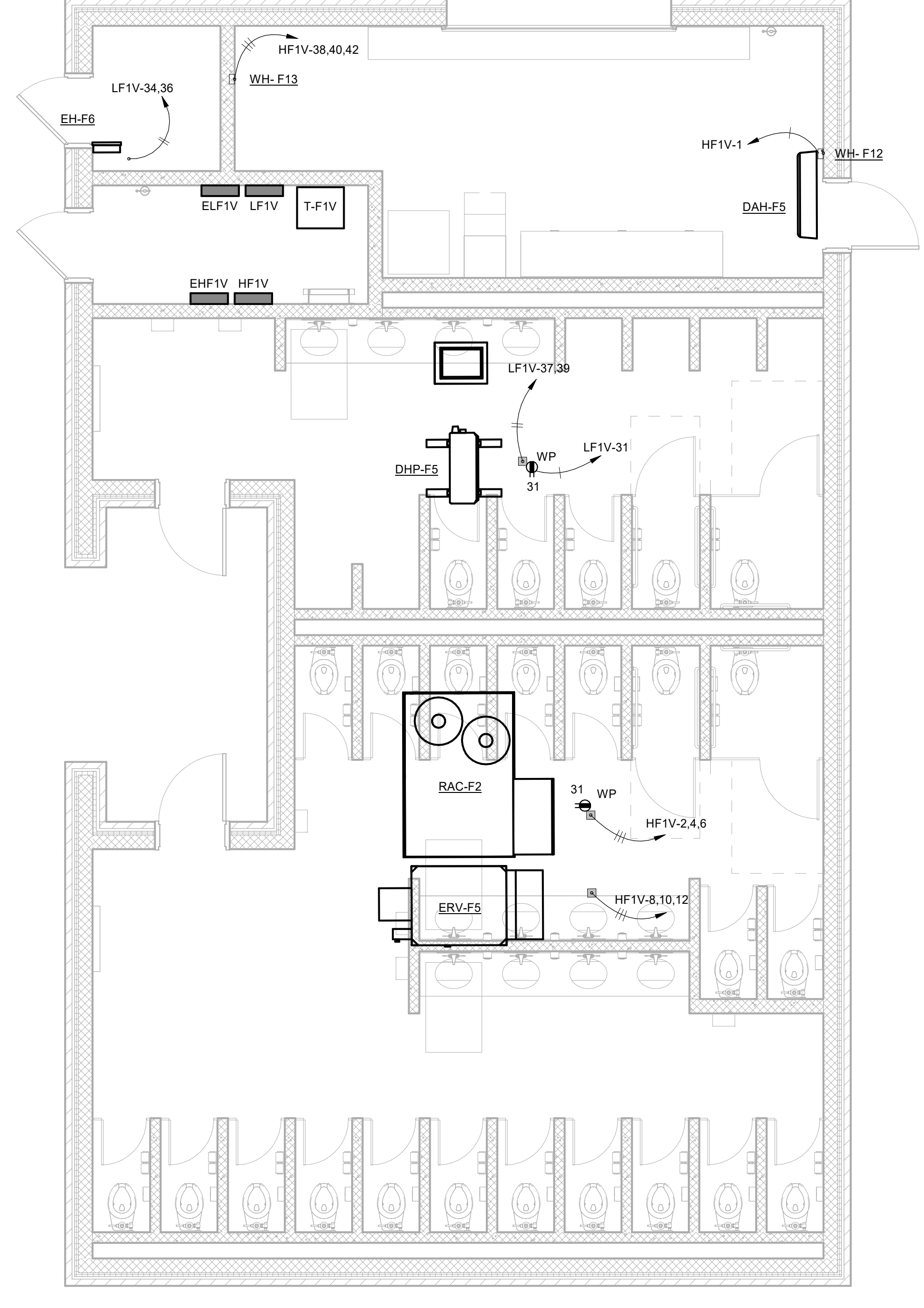
PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: GJC
CHECKED BY: WOW

**MECHANICAL
POWER -
RESTROOM /
CONCESSIONS**

E-303



1 1ST FLOOR-MECHANICAL POWER PLAN- HOME RESTROOMS
1/4" = 1'-0"

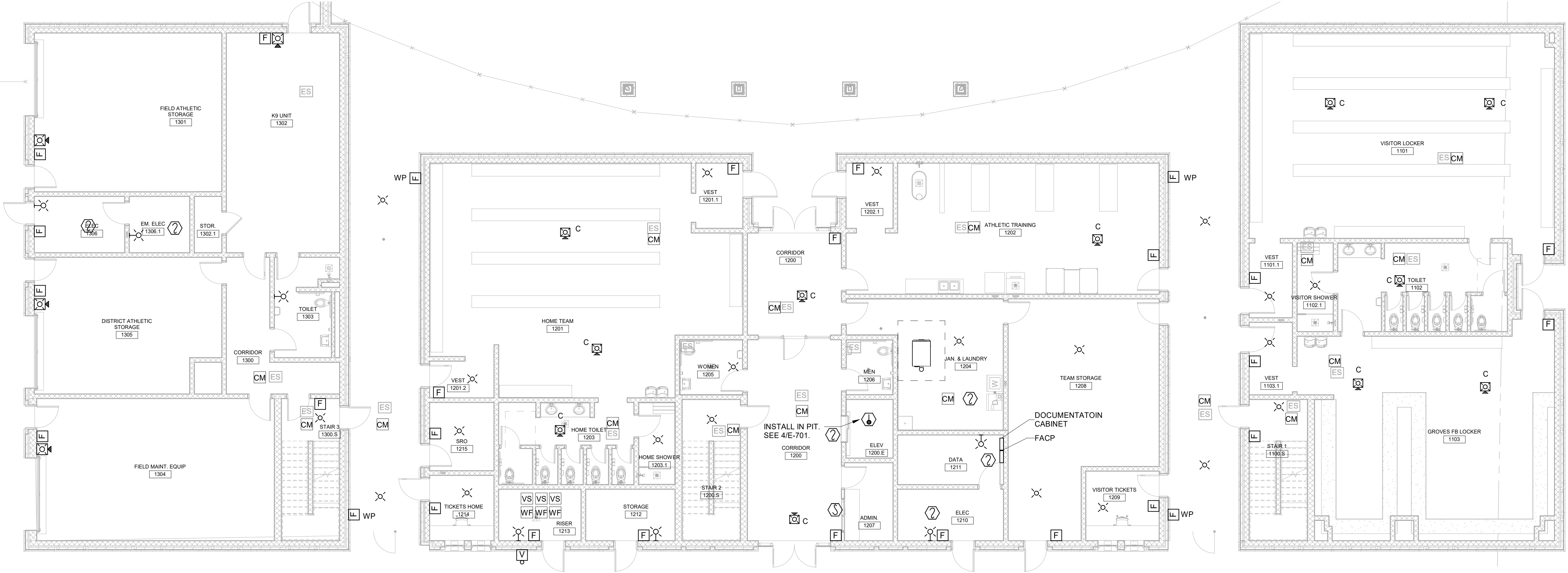


2 1ST FLOOR-MECHANICAL POWER PLAN - VISITOR RESTROOMS
1/4" = 1'-0"

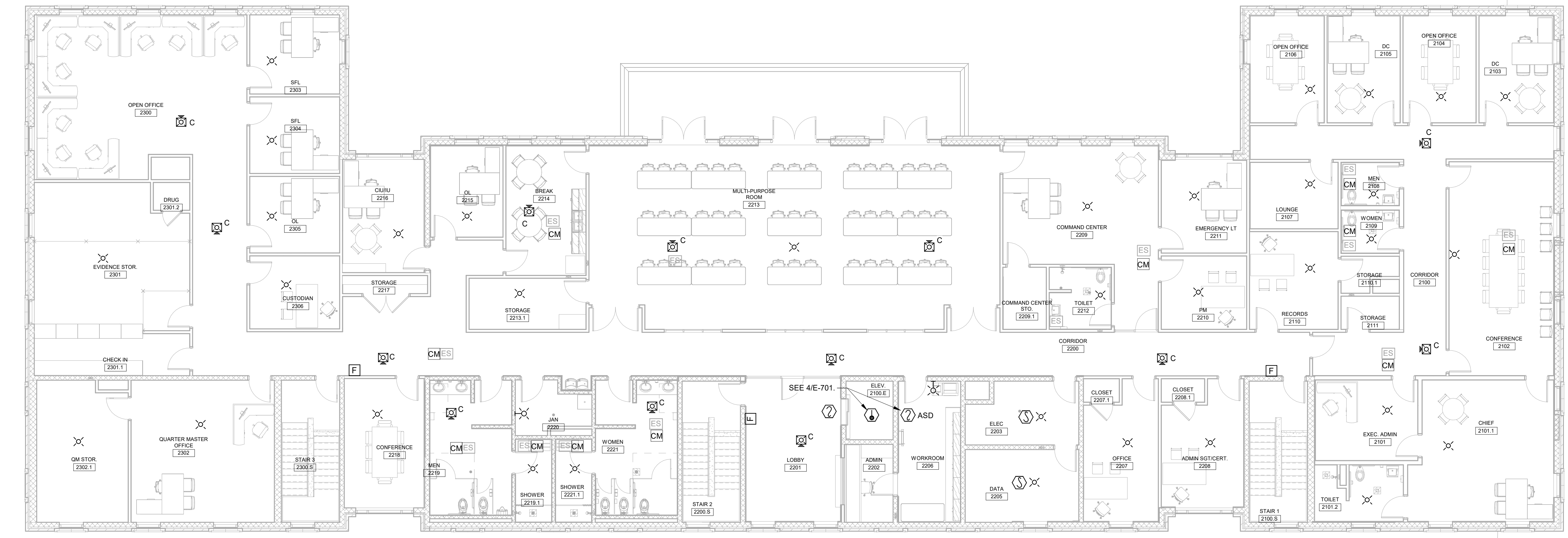
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REVISIONS:

No.	Description	Date
1		



1 1ST FLOOR-FIRE ALARM PLAN - FIELDHOUSE
 1/8" = 1'-0"



2 2ND FLOOR-FIRE ALARM PLAN - FIELDHOUSE
 1/8" = 1'-0"

FIRE ALARM GENERAL NOTES

- A. CONSULT ARCHITECTURAL DRAWINGS TO DETERMINE EXACT LOCATION FOR MOUNTING MAGNETIC DOOR HOLDERS.
- B. ALL HVAC EQUIPMENT PROVIDED WITH DUCT DETECTORS SHALL BE INTERFACED WITH FIRE ALARM SYSTEM TO SHUT DOWN DURING AN ALARM CONDITION. MOUNT DETECTORS ACCORDING TO MECHANICAL SPECIFICATIONS. WHERE MOUNTED ABOVE CEILING PROVIDE REMOTE LED INDICATOR LIGHTS MOUNTED IN CEILING TILE BELOW UNIT.
- C. ALL FIRE ALARM CABLING SHALL BE IN RED CONDUIT.
- D. PROVIDE TO THE STATE FIRE MARSHAL'S OFFICE THE FOLLOWING:
 1. PLAN VIEW DRAWN TO SCALE
 2. LOW VOLTAGE CONTRACTOR'S NAME, LICENSE NUMBER AND SIGNATURE
 3. EQUIPMENT SUBMITTALS
 4. BATTERY CALCULATIONS
 5. WIRING CLASS
 6. INITIATING/NOTIFICATION DEVICE INFORMATION
 7. A COMPLETE FORM 354A AND TWO SETS OF DRAWINGS.
- E. PROVIDE FIRE ALARM CONNECTION TO EACH SMOKE DAMPER AND COMBINATION FIRE/SMOKE DAMPER. SEE MECHANICAL PLANS FOR LOCATIONS AND QUANTITIES OF SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS. PROVIDE A DUCT SMOKE DETECTOR AT EACH UNIT. MOUNT DETECTOR UPSTREAM OF AIR FLOW FROM SMOKE DAMPERS. INTERLOCK SMOKE DAMPERS WITH FIRE ALARM PANEL PROVIDE POWER FOR SMOKE DAMPERS AS REQUIRED FROM NEAREST CORRIDOR RECEPTACLE CIRCUIT OR AS INDICATED ON POWER PLANS.
- F. PROVIDE FIRE ALARM SYSTEM CONTROL MODULE AND CONNECTION FOR EGRESS LIGHTING POWER PACKS FOR OVERVIEW OF OCCUPANCY SENSORS IN THE EVENT OF AN ALARM. SEE LIGHTING PLAN "ES" FOR LOCATIONS.
- G. PROVIDE FIRE ALARM SYSTEM CONTROL MODULE AND CONNECT TO ACCESS CONTROL ELECTRIFIED DOOR HARDWARE FOR EGRESS OVERRIDE IN THE EVENT OF AN ALARM. SEE ARCHITECTURAL PLANS FOR ALL LOCATIONS REQUIRED.
- H. PROVIDE FIRE ALARM CONNECTIONS TO ELEVATOR CONTROLLERS.
- I. PROVIDE FIRE ALARM SYSTEM CONTROL MODULE AND CONNECT FOR ALL DELAYED EGRESS DOORS. SEE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ALL DELAYED EGRESS DOOR LOCATIONS.
- J. PROVIDE SMOKE DETECTOR AND CONTROL MODULES AS REQUIRED TO SIGNAL FIRE SENTINEL CONTROLLERS AT OVERHEAD DOORS TO CLOSE UPON ALARM SIGNAL AT FIRE ALARM. PROVIDE ALL FIRE ALARM CONNECTIONS AND PROGRAMMING NECESSARY. SEE ARCHITECTURAL PLANS FOR LOCATIONS OF OVERHEAD DOORS.

BDA / ERRC SYSTEM:

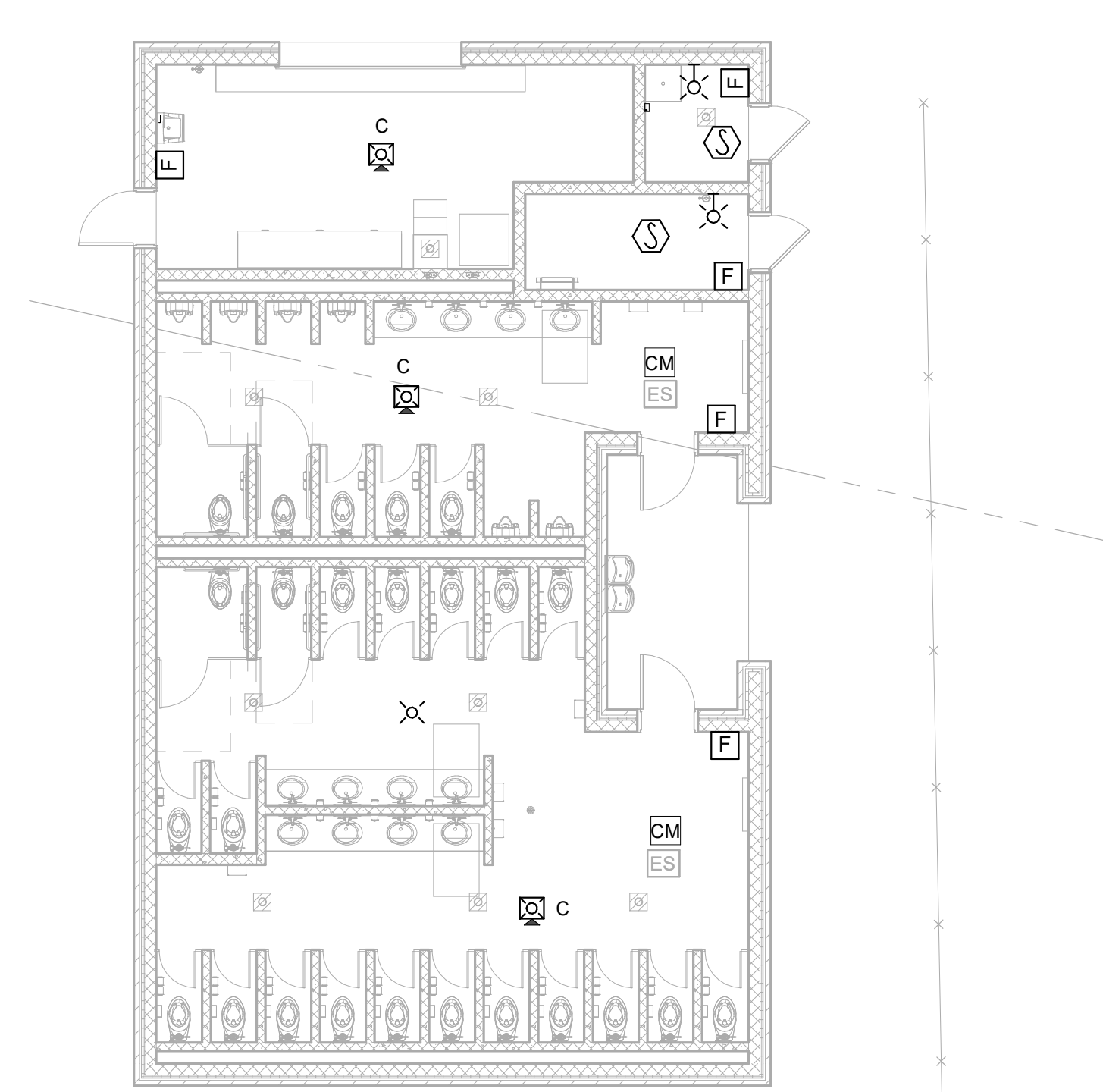
- A. THE CONTRACTOR SHALL PROVIDE A COMPLETE BI-DIRECTIONAL ANTENNA (BDA) SYSTEM FOR EMERGENCY RESPONDER RADIO COVERAGE (ERRC) FOR THE ENTIRE BUILDING. THE BDA/ERRC SYSTEM SHALL BE DESIGNED AND INSTALLED BY AN FCC CERTIFIED TECHNICIAN TRAINED ON THE SYSTEM BEING INSTALLED. THE SYSTEM SHALL COMPLY WITH UL 2554, NFPA 72, NFPA 1221 AND IFC. BDA SYSTEM DESIGN SHALL BE SUBMITTED WITH THE SHOP DRAWINGS FOR ENGINEER'S REVIEW. PROVIDE ROOF PENETRATION AS REQUIRED FOR ROOF MOUNTED ANTENNA - ROOF PENETRATION SHALL BE PERFORMED BY ROOFING CONTRACTOR - COORDINATE WITH ARCHITECT FOR LOCATION. CRITICAL AREAS SHALL BE PROVIDED WITH 100% FLOOR AREA RADIO COVERAGE. GENERAL BUILDING AREAS SHALL BE PROVIDED WITH 95% RADIO COVERAGE, OR AS SPECIFIED BY AHJ.
- B. RADIO SIGNAL COVERAGE IN THE BUILDING SHALL BE TESTED NEAR THE END OF BUILDING CONSTRUCTION AFTER ALL WALLS, CEILINGS, ROOF AND MAJOR COMPONENTS HAVE BEEN INSTALLED. THE PRICE OF THE SYSTEM SHALL BE OFFERED BACK TO THE OWNER ONLY IF RADIO SIGNALS (WITHOUT THE BDA/ERRC SYSTEM) MEET THE COVERAGE REQUIREMENTS LISTED ABOVE.

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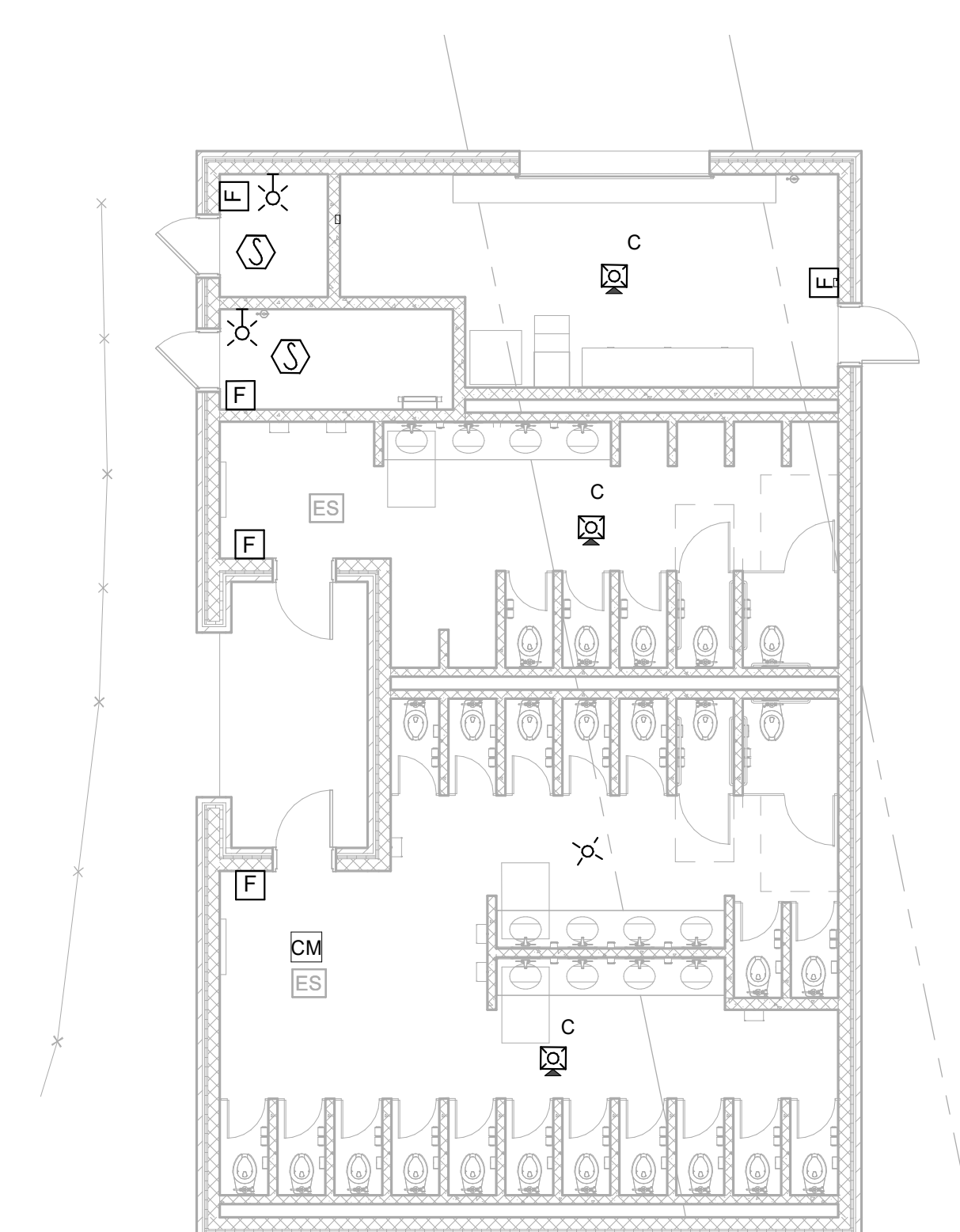
FIRE ALARM PLAN - FIELD HOUSE

E-401

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1 1ST FLOOR-FIRE ALARM PLAN - HOME RESTROOMS
1/8" = 1'-0"



2 1ST FLOOR-FIRE ALARM PLAN - VISITOR RESTROOMS
1/8" = 1'-0"

FIRE ALARM GENERAL NOTES

- A. CONSULT ARCHITECTURAL DRAWINGS TO DETERMINE EXACT LOCATION FOR MOUNTING MAGNETIC DOOR HOLDERS.
- B. ALL HVAC EQUIPMENT PROVIDED WITH DUCT DETECTORS SHALL BE INTERFACED WITH FIRE ALARM SYSTEM TO SHUT DOWN DURING AN ALARM CONDITION. MOUNT DETECTORS ACCORDING TO MECHANICAL SPECIFICATIONS. WHERE MOUNTED ABOVE CEILING PROVIDE REMOTE LED INDICATOR LIGHTS MOUNTED IN CEILING TILE BELOW UNIT.
- C. ALL FIRE ALARM CABLING SHALL BE IN RED CONDUIT.
- D. PROVIDE TO THE STATE FIRE MARSHAL'S OFFICE THE FOLLOWING:
 1. PLAN VIEW DRAWN TO SCALE.
 2. LOW VOLTAGE CONTRACTOR'S NAME, LICENSE NUMBER AND SIGNATURE.
 3. EQUIPMENT SUBMITTALS.
 4. BATTERY CALCULATIONS.
 5. WIRING CLASS.
 6. INITIATING/NOTIFICATION DEVICE INFORMATION.
 7. A COMPLETE FORM 354A AND TWO SETS OF DRAWINGS.
- E. PROVIDE FIRE ALARM CONNECTION TO EACH SMOKE DAMPER AND COMBINATION FIRE/SMOKE DAMPER. SEE MECHANICAL PLANS FOR LOCATIONS AND QUANTITIES OF SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS. PROVIDE A DUCT SMOKE DETECTOR AT EACH UNIT. MOUNT DETECTOR UPSTREAM OF AIR FLOW FROM SMOKE DAMPERS. INTERLOCK SMOKE DAMPERS WITH FIRE ALARM PANEL PROVIDE POWER FOR SMOKE DAMPERS AS REQUIRED FROM NEAREST CORRIDOR RECEPTACLE CIRCUIT OR AS INDICATED ON POWER PLANS.
- F. PROVIDE FIRE ALARM SYSTEM CONTROL MODULE AND CONNECTION FOR EGRESS LIGHTING POWER PACKS FOR OVERRIDE OF OCCUPANCY SENSORS) IN THE EVENT OF AN ALARM. SEE LIGHTING PLAN "ES" FOR LOCATIONS.
- G. PROVIDE FIRE ALARM SYSTEM CONTROL MODULE AND CONNECT TO ACCESS CONTROL ELECTRIFIED DOOR HARDWARE FOR EGRESS OVERRIDE IN THE EVENT OF AN ALARM. SEE ARCHITECTURAL PLANS FOR ALL LOCATIONS REQUIRED.
- H. PROVIDE FIRE ALARM CONNECTIONS TO ELEVATOR CONTROLLERS.
- I. PROVIDE FIRE ALARM SYSTEM CONTROL MODULE AND CONNECT FOR ALL DELAYED EGRESS DOORS. SEE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ALL DELAYED EGRESS DOOR LOCATIONS.
- J. PROVIDE SMOKE DETECTOR AND CONTROL MODULES AS REQUIRED TO SIGNAL FIRE SENTINEL CONTROLLERS AT OVERHEAD DOORS TO CLOSE UPON ALARM SIGNAL AT FIRE ALARM. PROVIDE ALL FIRE ALARM CONNECTIONS AND PROGRAMMING NECESSARY. SEE ARCHITECTURAL PLANS FOR LOCATIONS OF OVERHEAD DOORS.

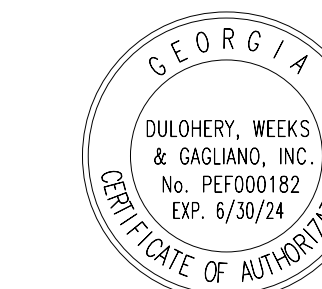
NOTES

1. PROVIDE 4#10 HOMERUN, 3/4" C. FOR FUTURE UPS POWER.
2. RECEPTACLE SHALL BE INSTALLED IN THE TELECOMMUNICATION RACK. COORDINATION EXACT LOCATION WITH TELECOMMUNICATION RACK INSTALLER.
3. PLYWOOD BACKBOARD: PROVIDE 3/4" THICK, FIRE RETARDANT A/C PLYWOOD BACKBOARD. COAT PLYWOOD WITH TWO COATS LIGHT GRAY FIRE RETARDANT PAINT. FIRE RATING ON PLYWOOD SHALL NOT BE PAINTED OVER SO AT LEAST ONE MARKING SHALL BE VISIBLE ON EACH PIECE OF PLYWOOD. PROVIDE 3/4" X 3/4" ALUMINUM ANGLE FRAME AFTER PAINTING. PROVIDE OUTLET BOX EXTENSION RING AS REQUIRED FOR DEVICES INSTALLED IN WALLS RECEIVING PLYWOOD FOR FLUSH MOUNTING WITH WOOD SURFACE.
4. TELEPHONE DEMARC: PROVIDE TELEPHONE CABLE FOR THE FOLLOWING: EMERGENCY 911 BACKUP LINES (2), FIRE ALARM (1), INTRUSION DETECTION ALARM (1), ELEVATOR (2).
5. PROVIDE 12" TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB). TMGB SHALL BE MADE OF 1/4" THICK ELECTROLYTIC, TIN-PLATED COPPER AND UL LISTED.
6. PROVIDE 12" TELECOMMUNICATIONS GROUNDING BUSBAR (TGB). TGB SHALL BE MADE OF 1/4" THICK ELECTROLYTIC, TIN-PLATED COPPER AND UL LISTED.
7. PROVIDE (2) 4" EMT CONDUIT SLEEVES UP THROUGH CEILING. BOTH ENDS OF CONDUIT SLEEVES ARE TO BE BUSHED. ALL PENETRATIONS ARE TO BE SEALED IN ACCORDANCE WITH CONTRACT SPECIFICATIONS. ALL CONDUIT SLEEVES ARE TO BE BONDED TO THE TELECOMMUNICATIONS GROUNDING AND BONDING SYSTEM PER TYPICAL TELECOM METALLIC CONDUIT BONDING DETAIL.
8. PROVIDE (2) 4" EMT CONDUIT SLEEVES UP THROUGH FLOOR. BOTH ENDS OF CONDUIT SLEEVES ARE TO BE BUSHED. ALL PENETRATIONS ARE TO BE SEALED IN ACCORDANCE WITH CONTRACT SPECIFICATIONS. ALL CONDUIT SLEEVES ARE TO BE BONDED TO THE TELECOMMUNICATIONS GROUNDING AND BONDING SYSTEM PER TYPICAL TELECOM METALLIC CONDUIT BONDING DETAIL.
9. PROVIDE 18" WIDE LADDER RACK/CABLE TRAY. CABLE TRAY SHALL BE SECURED TO WALL OR SECURELY SUSPENDED FROM CEILING STRUCTURE. PROVIDE LENGTH AND QUANTITY PER PLANS.
10. LABEL BREAKER WITH RED NAMEPLATE "FIRE ALARM CONTROL PANEL". LABEL FIRE ALARM CONTROL PANEL WITH CIRCUIT NUMBER SERVING IT. PROVIDE BREAKER LOCK FOR CIRCUIT BREAKER.

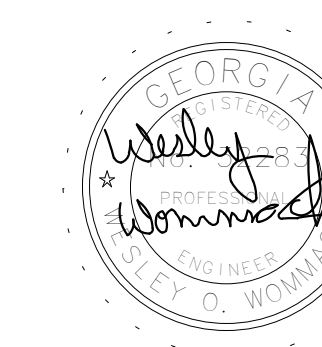
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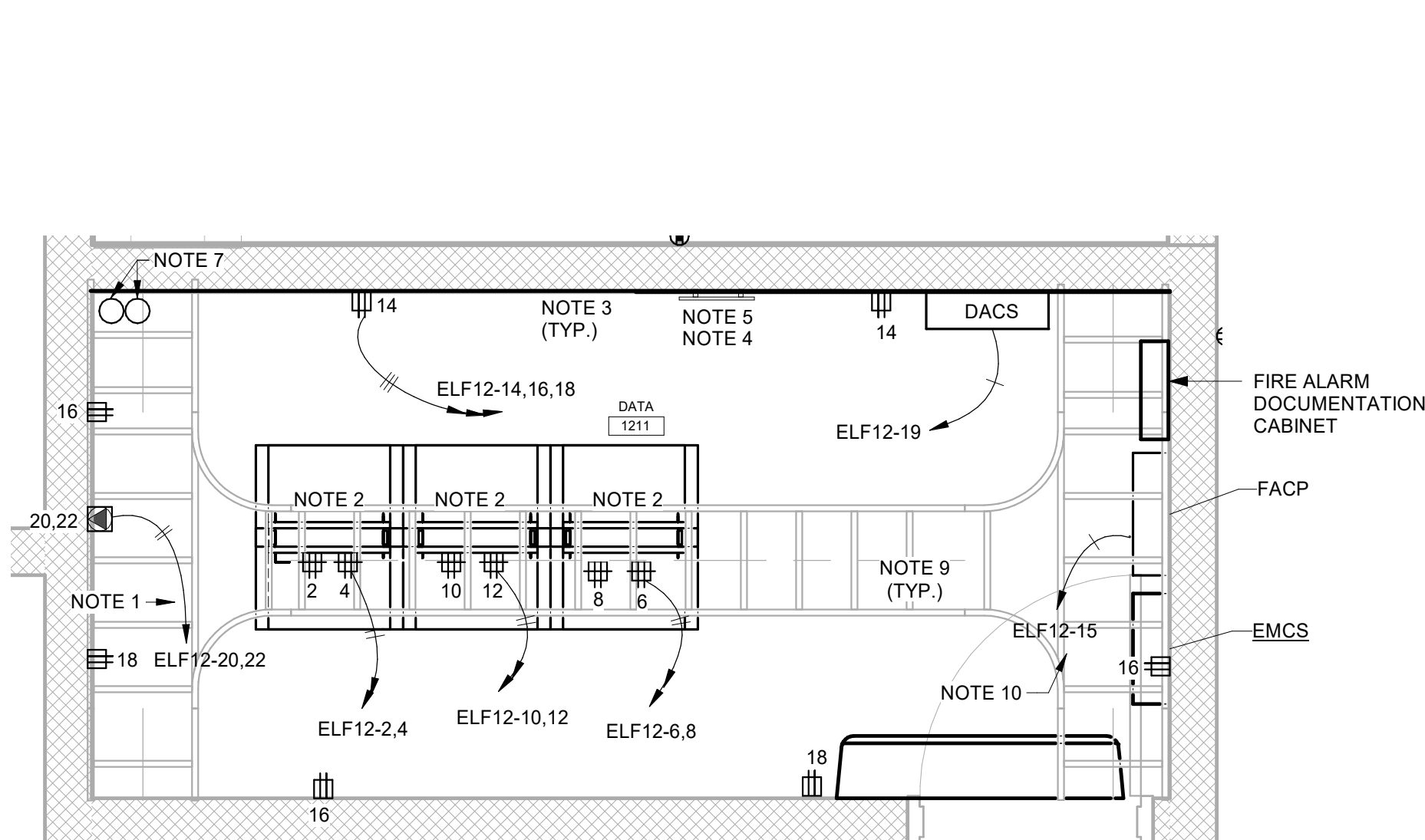
REVISIONS:

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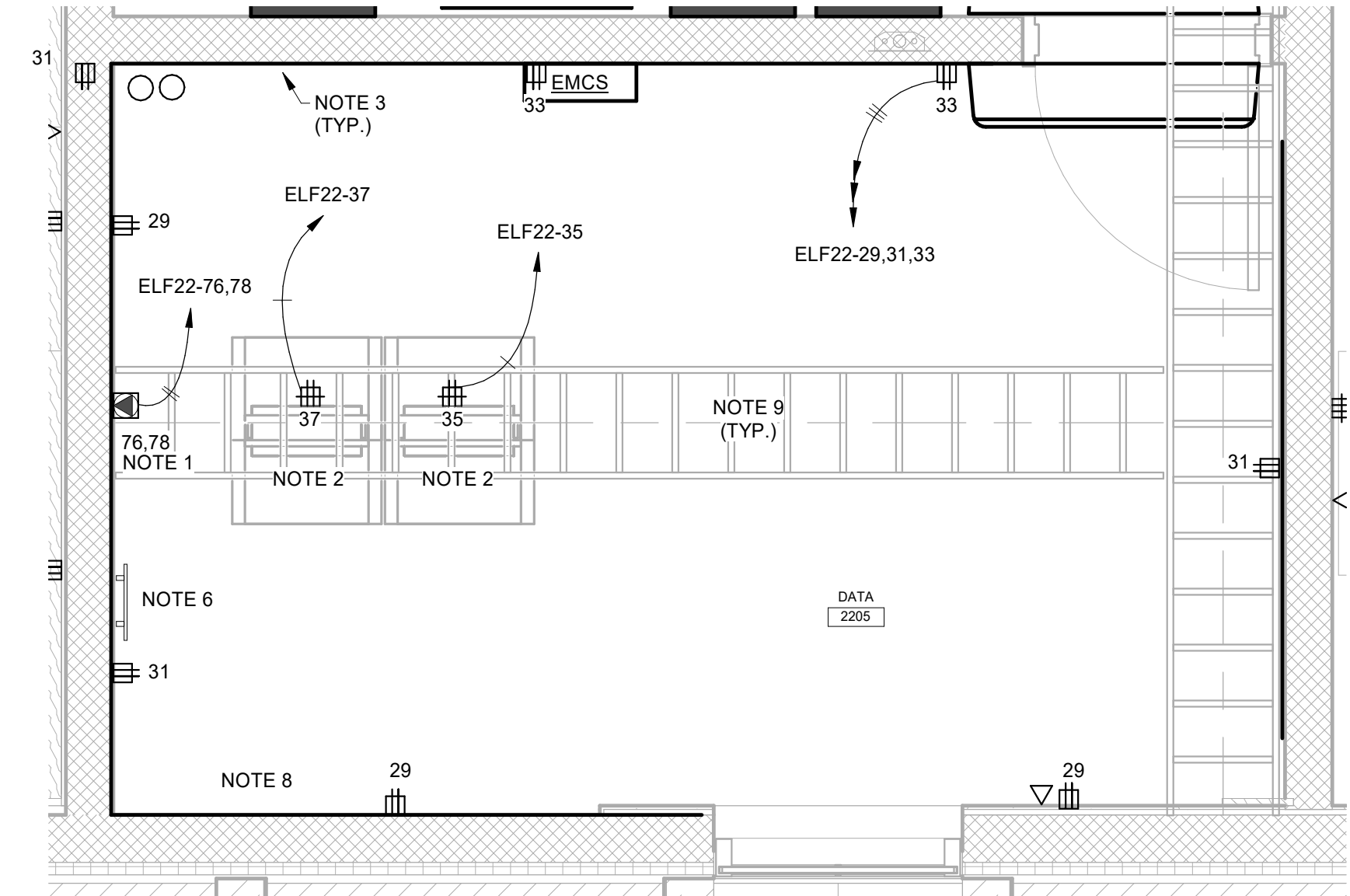
PROJECT: 5201-192070
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CHECKED BY: WOW

ENLARGED DATA ROOMS

E-501



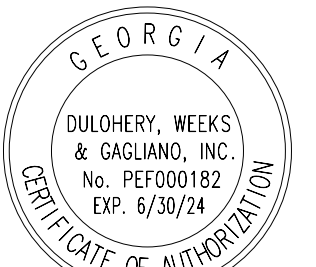
1 ENLARGED DATA 1103
1/2" = 1'-0"



2 ENLARGED DATA 2205
1/2" = 1'-0"



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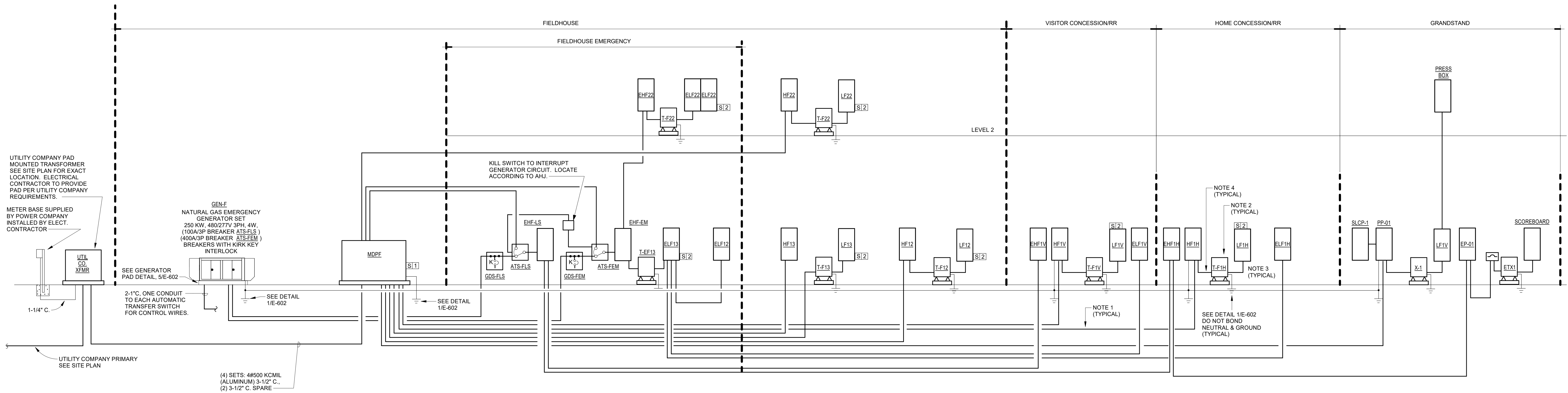
FIELDHOUSE POWER RISER DIAGRAM

E-601

BID SET

RISER DIAGRAM LEGEND & EQUIPMENT NOTES:

NOTES:



1 POWER RISER DIAGRAM NOT TO SCALE

208 VOLT PANELS - GENERATOR BACKUP table

480 VOLT PANELS - LIFE SAFETY table

PANEL FEEDER SCHEDULE - ALUMINUM table

208 VOLT PANELS - NORMAL POWER table

TRANSFORMER SCHEDULE table

DRY TYPE TRANSFORMER FEEDER SIZING - ALUMINUM table

480 VOLT PANELS - NORMAL POWER table

GRANDSTAND TRANSFORMER table

MAIN SWITCHBOARDS table

GRANDSTAND ELECTRICAL PANELS table

TRANSFER SWITCHES table

GENERATOR DOCKING STATION table

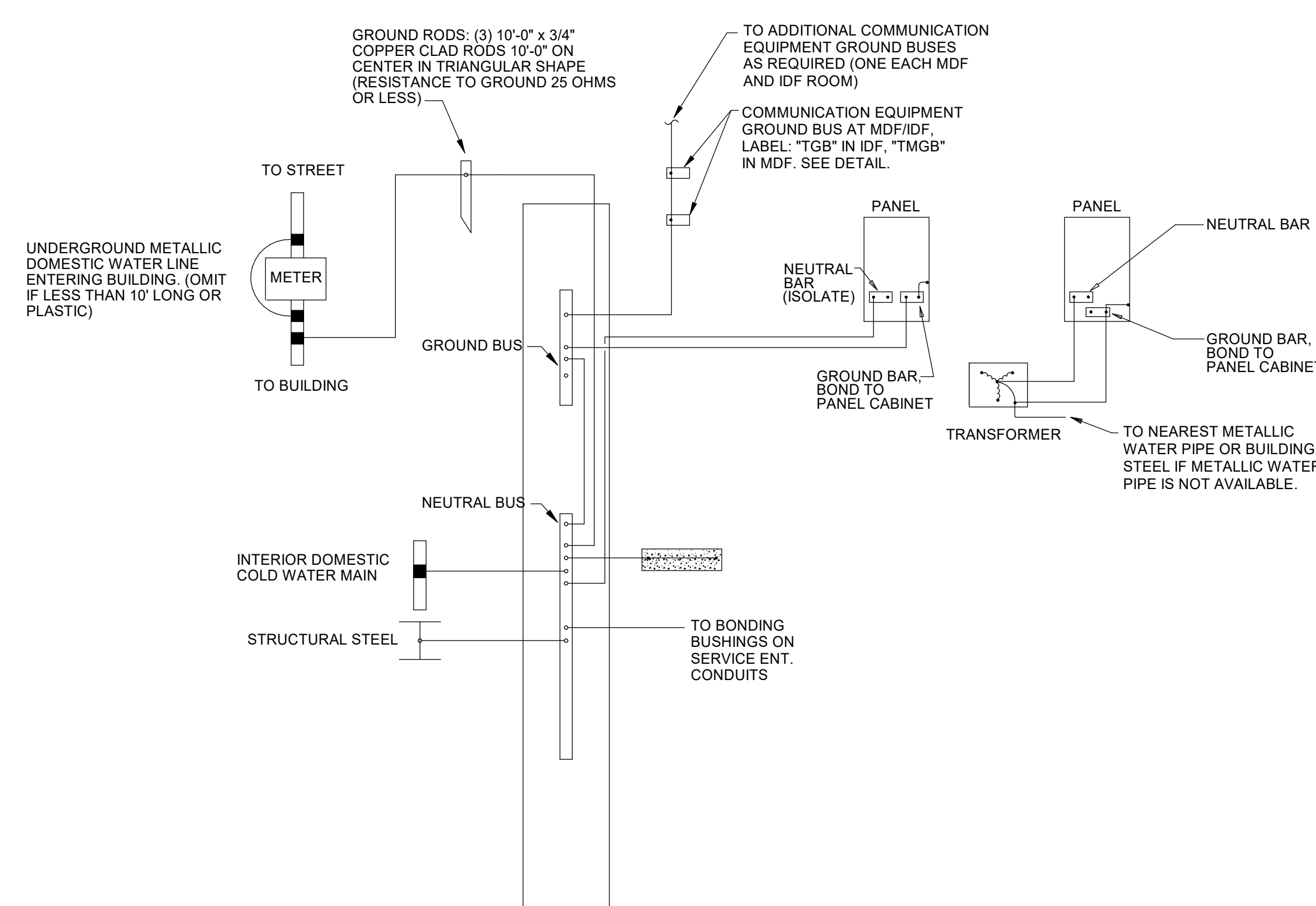
Generator Docking Station table

Transfer Switches table

Main Switchboards table

Main table containing detailed panel data for HOME CONCESSIONS, VISITOR CONCESSIONS, and GRANDSTAND panels.

BIM 360/5201-192070-SCCPSS NEW K-12 ATHLETICSELEC_GrovesK12_Fieldhouse_v2023.rvt 5/25/2023 3:04:15 PM



NOTES: (SERVICE GROUND DETAIL)

A PROVIDE TAGS AT EACH END OF EACH GROUND ROD, INTERIOR WATER PIPE AND BUILDING STEEL CONNECTION. LABEL END AT CONNECTION AS "SYSTEM GROUND - DO NOT REMOVE." LABEL END SWITCHBOARD SWBD#1 OR SWBD#2 TO IDENTIFY OPPOSITE END.
EXAMPLE: "GROUND RODS", "BUILDING STEEL", ETC.

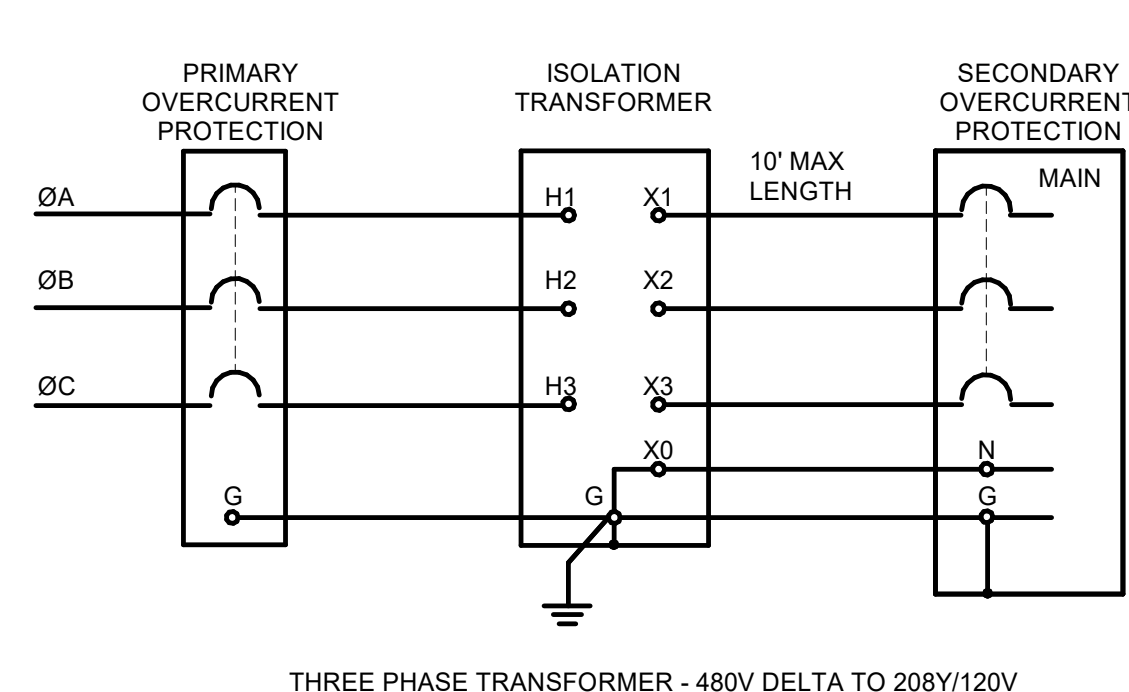
B ALL ELECTRODE CONNECTIONS SHALL BE ACCESSIBLE. ALL ELECTRODE CONDUCTORS AND JUMPERS SHALL BE No. 4/0 AWG COPPER.

C CONNECTIONS TO ROD, REINFORCING STEEL BARS, AND STRUCTURAL STEEL SHALL BE EXOTHERMIC WELD TYPE.

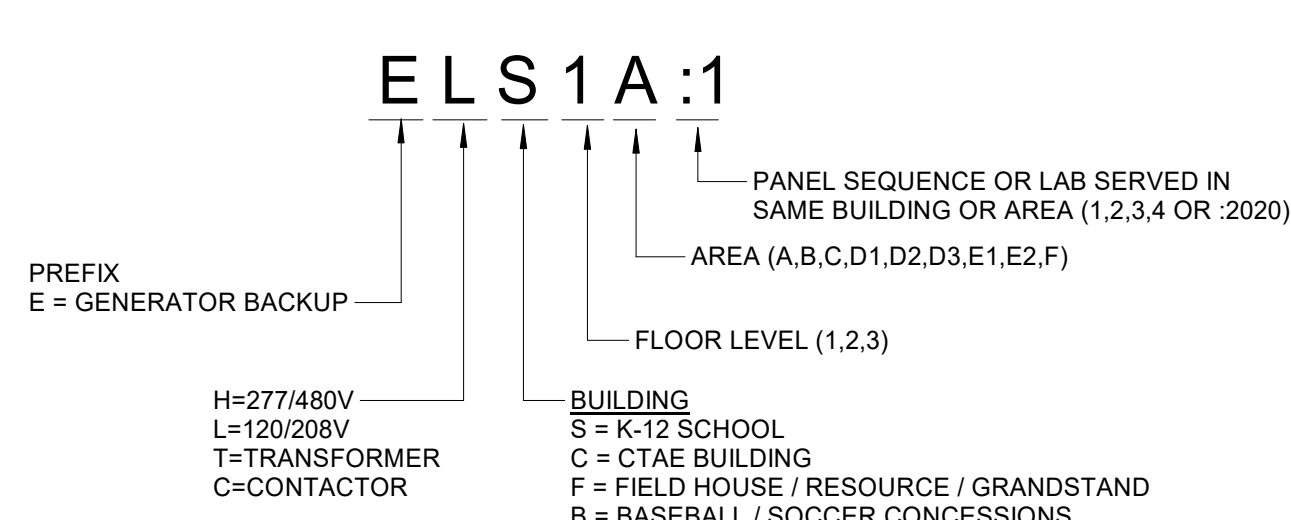
D CONNECTION TO PIPE ELECTRODES SHALL BE PRESSURE OR CLAMP TYPE.

E CONNECTION AT COMMUNICATION BUS SHALL BE MECHANICAL LUG TYPE.

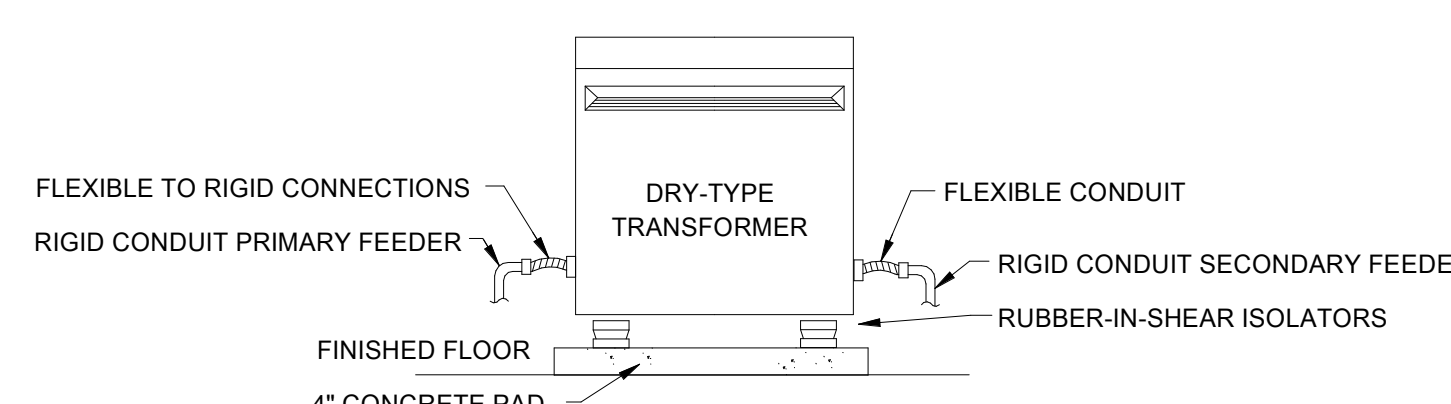
1 SERVICE GROUND DETAIL
NOT TO SCALE



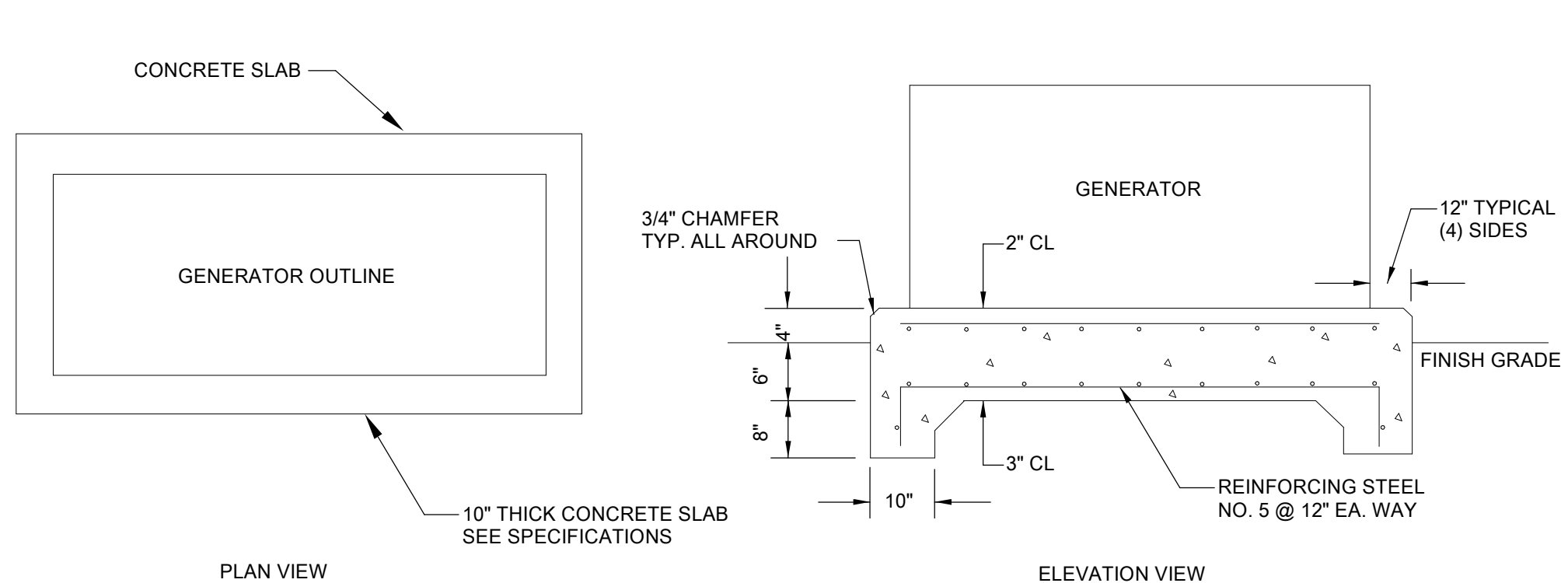
3 DRY TYPE TRANSFORMER CONNECTION
NOT TO SCALE



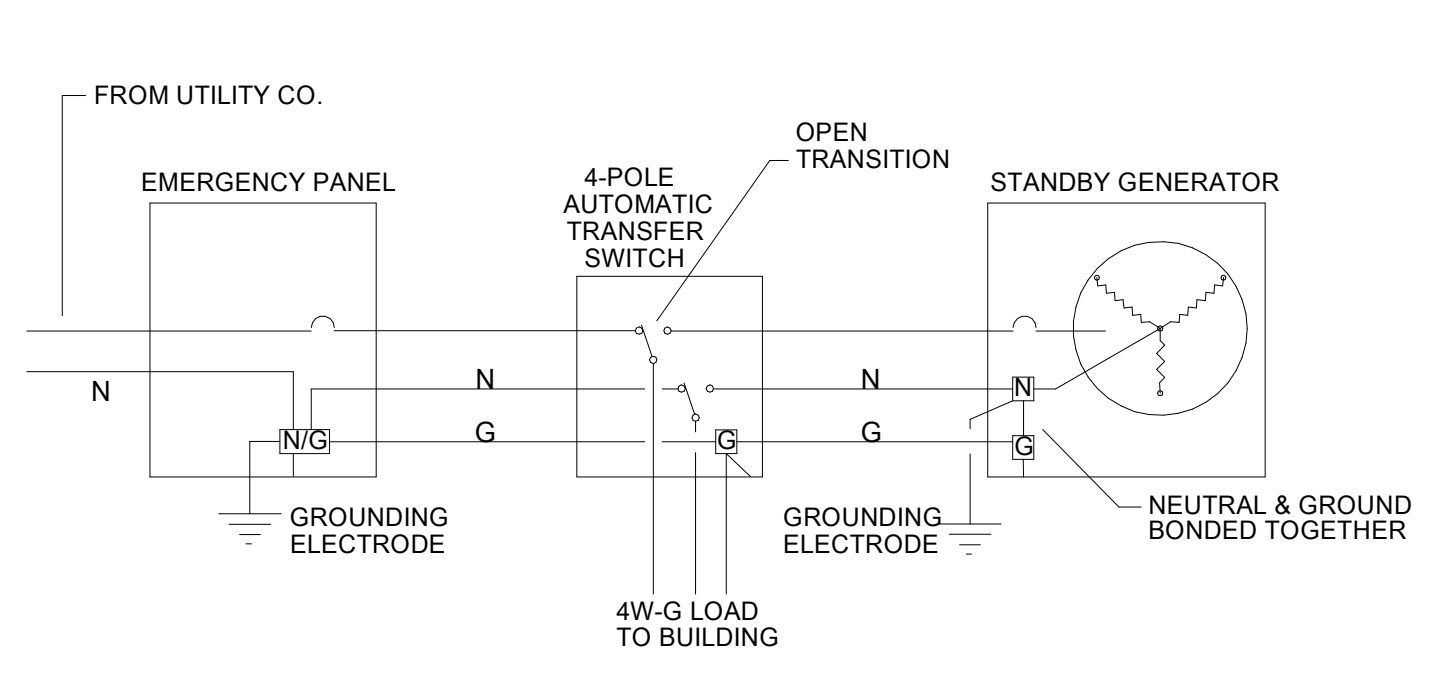
6 EQUIPMENT DISTRIBUTION DESIGNATIONS
NOT TO SCALE



2 FLOOR MOUNTED TRANSFORMER
NOT TO SCALE



5 GENERATOR PAD DETAIL
NOT TO SCALE

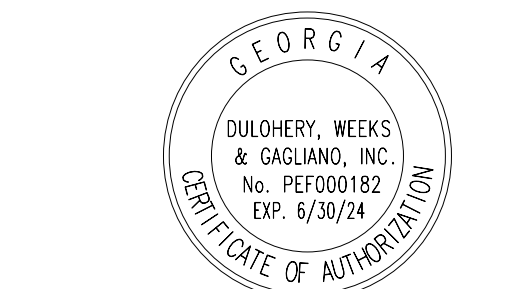


4 4-POLE ATS GROUNDING DETAIL
NOT TO SCALE

THREE PHASE TRANSFORMER - 480V DELTA TO 208Y/120V



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PANEL SCHEDULES

E-603

PANEL: HF13 MAINS RATING: 125 A MOUNTING: SURFACE RATING: NEMA 1 TOTAL LOAD: 2524 VA

PANEL: HF12 MAINS RATING: 125 A MOUNTING: SURFACE RATING: NEMA 1 TOTAL LOAD: 36380 VA

PANEL: EHF22 MAINS RATING: 225 A MOUNTING: SURFACE RATING: NEMA 1 TOTAL LOAD: 178439 VA

PANEL: EHF-L5 MAINS RATING: 125 A MOUNTING: SURFACE RATING: NEMA 1 TOTAL LOAD: 37409 VA

PANEL: LF13 MAINS RATING: 100 A MOUNTING: SURFACE RATING: NEMA 1 TOTAL LOAD: 19846 VA

PANEL: LF12 MAINS RATING: 225 A MOUNTING: SURFACE RATING: NEMA 1 TOTAL LOAD: 59112 VA

PANEL: ELF22 MAINS RATING: 225 A MOUNTING: SURFACE RATING: NEMA 1 TOTAL LOAD: 2332 VA

PANEL: ELF13 MAINS RATING: 225 A MOUNTING: SURFACE RATING: NEMA 1 TOTAL LOAD: 22332 VA

PANEL: EHF-EM MAINS RATING: 400 A MOUNTING: SURFACE RATING: NEMA 1 TOTAL LOAD: 218000 VA

PANEL: HF22 MAINS RATING: 400 A MOUNTING: SURFACE RATING: NEMA 1 TOTAL LOAD: 105808 VA

PANEL: LF22 MAINS RATING: 225 A MOUNTING: SURFACE RATING: NEMA 1 TOTAL LOAD: 46790 VA

PANEL: ELF2 MAINS RATING: 100 A MOUNTING: SURFACE RATING: NEMA 1 TOTAL LOAD: 13340 VA

PANEL: ELF1H MAINS RATING: 100 A MOUNTING: SURFACE RATING: NEMA 1 TOTAL LOAD: 3000 VA

PANEL: EHF1V MAINS RATING: 125 A MOUNTING: SURFACE RATING: NEMA 1 TOTAL LOAD: 2310 VA

PANEL: LF22 (continued) MAINS RATING: 225 A MOUNTING: SURFACE RATING: NEMA 1 TOTAL LOAD: 46790 VA

PANEL: EHF1H (continued) MAINS RATING: 125 A MOUNTING: SURFACE RATING: NEMA 1 TOTAL LOAD: 19370 VA

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**PANEL
SCHEDULES**

E-604

PANEL: EP-01

VOLTAGE: 480/277 WYE
PHASE: 3
WIRES: 4
A.I.C. RATING: 14,000

MAINS RATING: 225 A
MAINS TYPE: MB
FED BY: EHF1H

LOCATION:
MOUNTING: SURFACE
RATING: 10000
TOTAL LOAD: 18060 VA

CKT	TRIP	P	CIRCUIT DESCRIPTION	A	B	C	CIRCUIT DESCRIPTION	P	TRIP	CKT
1	20 A	1	HOME SIDE WALKWAY ELIGHTING	740	190		HOME SIDE ROOM ELIGHTING	1	20 A	2
3	20 A	1	HOME SIDE BLEACHER ELIGHTING			810 0	SPARE	1	20 A	4
5	20 A	1	SPARE			0 0	SPARE	1	20 A	6
7	20 A	1	SPARE	0	0		SPARE	1	20 A	8
9	20 A	1	SPARE			0 0	SPARE	1	20 A	10
11	20 A	1	SPARE			0 0	SPARE	1	20 A	12
13	20 A	1	SPARE	0	0		SPARE	1	20 A	14
15	20 A	1	SPARE			0 0	SPARE	1	20 A	16
17	-	-	SPACE			0 0	SPACE	-	-	18
19	-	-	SPACE	0	5440		ETX1 TRANSFORMER TO FEED SCOREBOARD PANEL	3	25 A	22
21	-	-	SPACE			0 5440				24
23	-	-	SPACE			0 5440				24
				6370 VA	6250 VA	5440 VA				
				23 A	23 A	20 A				

NOTES: SEE SE DRAWINGS FOR LOADS.
ES DRAWINGS

PANEL: PP-01

VOLTAGE: 480/277 WYE
PHASE: 3
WIRES: 4
A.I.C. RATING: 14,000

MAINS RATING: 225 A
MAINS TYPE: MB
FED BY: MOPF

LOCATION:
MOUNTING: SURFACE
RATING: NEMA 1
TOTAL LOAD: 91373 VA

CKT	TRIP	P	CIRCUIT DESCRIPTION	A	B	C	CIRCUIT DESCRIPTION	P	TRIP	CKT
1	20 A	3	SPORTS LIGHT POLE SL1	3610	1001		HOME SIDE BLEACHER LIGHTING	1	20 A	2
3	20 A	3	SPORTS LIGHT POLE SL1			3610 0	SPARE	1	20 A	4
5	20 A	3	SPORTS LIGHT POLE SL1			3610 0	SPARE	1	20 A	6
7	20 A	3	SPORTS LIGHT POLE SL2	3610	0		SPARE	1	20 A	8
9	20 A	3	SPORTS LIGHT POLE SL2			3610 0	SPARE	1	20 A	10
11	20 A	3	SPORTS LIGHT POLE SL2			3610 0	SPACE	-	-	12
13	20 A	3	SPORTS LIGHT POLE SL3	3610	0		SPACE	-	-	14
15	20 A	3	SPORTS LIGHT POLE SL3			3610 0	SPACE	-	-	16
17	20 A	3	SPORTS LIGHT POLE SL3			3610 0	SPACE	-	-	18
19	20 A	3	SPORTS LIGHT POLE SL4	3610	14984					20
21	20 A	3	SPORTS LIGHT POLE SL4			3610 15704	X1	3	20 A	22
23	20 A	3	SPORTS LIGHT POLE SL4			3610 16364				24
				30425 VA	30144 VA	30804 VA				
				110 A	109 A	111 A				

NOTES: SEE SE DRAWINGS FOR LOADS.
ES DRAWINGS

PANEL: RP-01

VOLTAGE: 120/208 WYE
PHASE: 3
WIRES: 4
A.I.C. RATING: 10,000

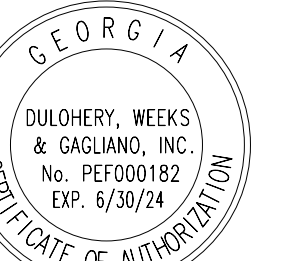
MAINS RATING: 225 A
MAINS TYPE: MB
FED BY: X1

LOCATION:
MOUNTING: SURFACE
RATING: NEMA 1
TOTAL LOAD: 47662 VA

CKT	TRIP	P	CIRCUIT DESCRIPTION	A	B	C	CIRCUIT DESCRIPTION	P	TRIP	CKT
1	20 A	1	RECEPT. ELEC ROOM	360	4500		WATER HEATER	2	25 A	2
3	20 A	1	RECEPT. OFFICIAL ROOM			1080 4500				4
5	20 A	1	RECEPT. FIELD			1920 5444				6
7	20 A	1	PLAYLOCK NORTH	180	5444		PB (PRESS BOX PANEL)	3	70 A	8
9	20 A	1	PLAYLOCK SOUTH			180 5444				10
11	20 A	1	SPARE			0 4500	ELECTRIC HEATER	2	25 A	12
13	20 A	1	SPARE	0	4500		ELECTRIC HEATER	2	25 A	14
15	20 A	1	SPARE			0 4500	ELECTRIC HEATER	2	25 A	16
17	20 A	1	SPARE			0 4500	ELECTRIC HEATER	2	25 A	18
19	-	-	SPACE	0	0		SPACE	-	-	20
21	-	-	SPACE			0 0	SPACE	-	-	22
23	-	-	SPACE			0 0	SPACE	-	-	24
				14984 VA	15704 VA	16364 VA				
				125 A	132 A	137 A				

NOTES: SEE SE DRAWINGS FOR LOADS.
ES DRAWINGS

SEE "ES" DRAWINGS FOR ADDITIONAL PANEL INFORMATION



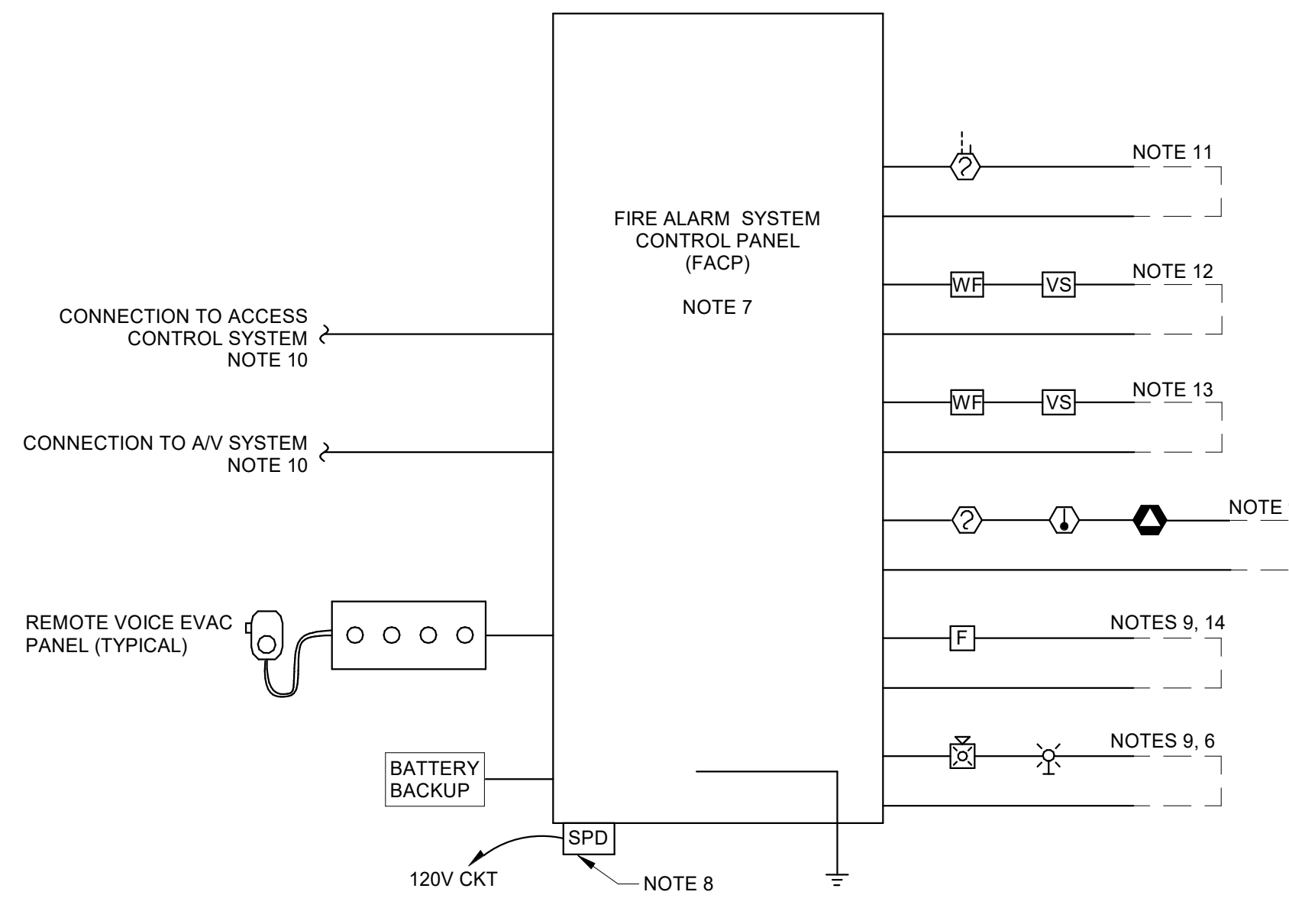
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GENERAL FIRE ALARM RISER DIAGRAM NOTES

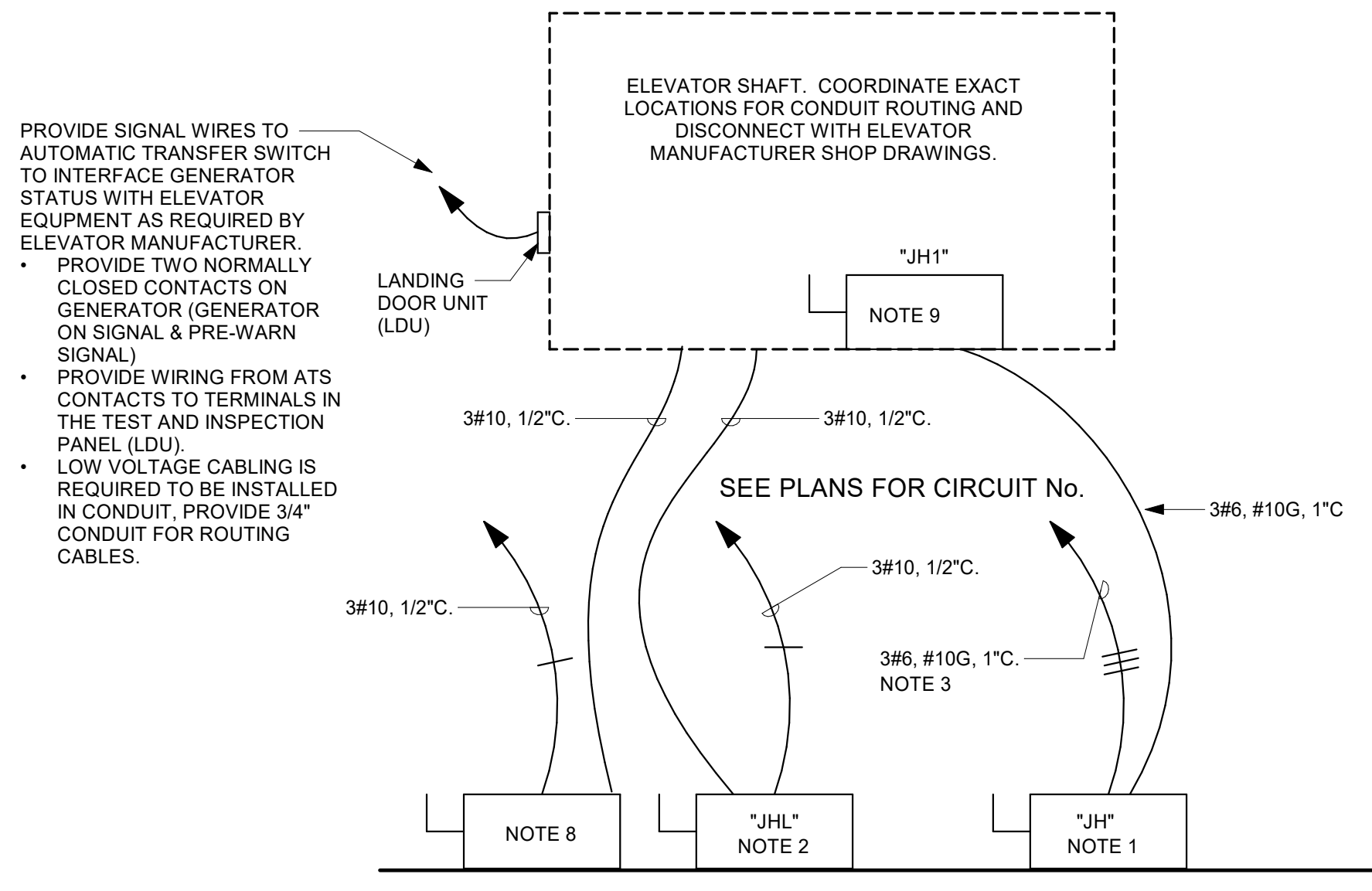
- GENERAL - ALL WIRING SHALL BE ROUTED IN 3/4" MINIMUM CONDUIT.
- GENERAL - AIR HANDLING UNITS WITH DUCT DETECTORS SHALL BE SHUT-DOWN UPON ALARM CONDITION. AIR HANDLING UNITS SHALL AUTOMATICALLY RESET ONCE THE ALARM CONDITION HAS BEEN CLEARED.

FIRE ALARM RISER DIAGRAM NOTES

- THE FIRE ALARM SYSTEM SHALL BE A COMPLETELY SUPERVISED SYSTEM EMPLOYING ANALOG ADDRESSABLE INITIATING DEVICES AND MULTIPLEX COMMUNICATION TECHNIQUES. EACH DETECTION, MONITOR AND CONTROL DEVICE SHALL BE INDIVIDUALLY ADDRESSABLE. DEVICES WHICH ARE NOT INHERENTLY ADDRESSABLE (I.E. TAMPER, FLOW SWITCHES, DOOR HOLDERS, ETC.) SHALL BE EQUIPPED WITH ADDRESSABLE MONITOR AND CONTROL MODULES.
- FIRE ALARM SYSTEM CONTROL PANEL.
- THE FIRE ALARM SYSTEM AUDITORY NOTIFICATION SHALL CONSIST OF A SUPERVISED AUDIO DISTRIBUTION NETWORK TO INCLUDE AMPLIFIERS, AUDIO BOOSTERS, AMPLIFIER SPLITTERS, MESSAGE KITS, OUTPUT CHANNEL KITS, MICROPHONES, BATTERIES, BATTERY CHARGERS, SPEAKERS, CABLING, AND ANY ANCLLARY COMPONENTS REQUIRED TO MEET THE REQUIRED SYSTEM CONFIGURATION AND OPERATION.
- THE CONTRACTOR SHALL INSTALL CONDUIT AND WIRING IN ACCORDANCE WITH FIRE ALARM SYSTEM MANUFACTURER'S SHOP DRAWINGS AND REQUIREMENTS AND NFPA STANDARDS. THE WIRING SHALL BE A CLASS B. CONDUIT SHALL BE MARKED WITH A RED STRIPE EVERY 10 FEET. ALL JUNCTION AND PULLBOXES SHALL BE PAINTED RED.
- THE MAXIMUM NUMBER OF INITIATION AND NOTIFICATION APPLIANCES PER CIRCUIT SHALL BE IN ACCORDANCE WITH THE FIRE ALARM SYSTEM CONTROL PANEL'S LIMITATIONS.
- THE STROBE CANDELA INTENSITY SHALL BE ADJUSTED AS REQUIRED.
- ALL NECESSARY EQUIPMENT AND/OR PROGRAMS NEEDED, INCLUDING PROGRAMMING SERVICES, SHALL BE PROVIDED TO PROGRAM AND CONFIGURE ALL PANELS/EQUIPMENT.
- PROVIDE A CABINET MOUNTED METAL OXIDE VARISTOR (MOV) BASED SURGE PROTECTION DEVICE (SPD) AT EACH POWER INPUT AS SHOWN. THE DEVICE SHALL SUPPLEMENT THE SPD INTEGRAL TO THE EACH PANEL. THE DEVICE SHALL BE UL 1449 LISTED (3RD EDITION) AND SHALL SATISFY THE REQUIREMENTS OF IEEE C62.41.
- SEE THE FIRE ALARM SYSTEM FLOOR PLANS AND SPECIFICATIONS FOR THE QUANTITY AND LOCATION OF INITIATING AND NOTIFICATION APPLIANCES, REMOTE ANNUNCIATOR AND REMOTE LOCAL OPERATING CONSOLES.
- THE FIRE ALARM SYSTEM SHALL SILENCE ALL LOCAL AUDIO/VISUAL SOUND SYSTEMS IN THE BUILDING WHEN BROADCASTING ANY FIRE ALARM ALERT MESSAGES. COORDINATE WITH AV SYSTEMS.
- SEE THE MECHANICAL CONTROL DIAGRAMS AND SPECIFICATIONS FOR NUMBER AND LOCATION OF DUCT MOUNTED SMOKE DETECTORS.
- SEE THE FIRE PROTECTION PLANS AND SPECIFICATIONS FOR THE EXACT NUMBER AND LOCATIONS OF SPRINKLER FLOW AND TAMPER SWITCHES.
- POST INDICATOR VALVE (PIV) AND BACKFLOW PREVENTER (BFP) TAMPER SWITCHES SHALL BE WITHIN 100 FEET OF THE BUILDING. COORDINATE WITH INSTALLATION WATER UTILITY FOR EXACT LOCATION.
- MANUAL PULL STATION TO BE LOCATED TO THE MAIN CONTROL PANEL. CONNECT TO A DEDICATED INITIATING CIRCUIT THAT IS NOT INCLUDED IN ANY PANEL TEST MODE. (REFERENCE NFPA 72, PARAGRAPH 23.8.5.1.2).
- (GENERAL) PROVIDE SYNCHRONIZED STROBE OPERATION IN AREAS WHERE MORE THAN TWO STROBE APPLIANCES ARE LOCATED IN THE SAME ROOM, CORRIDOR, OR FIELD OF VIEW.

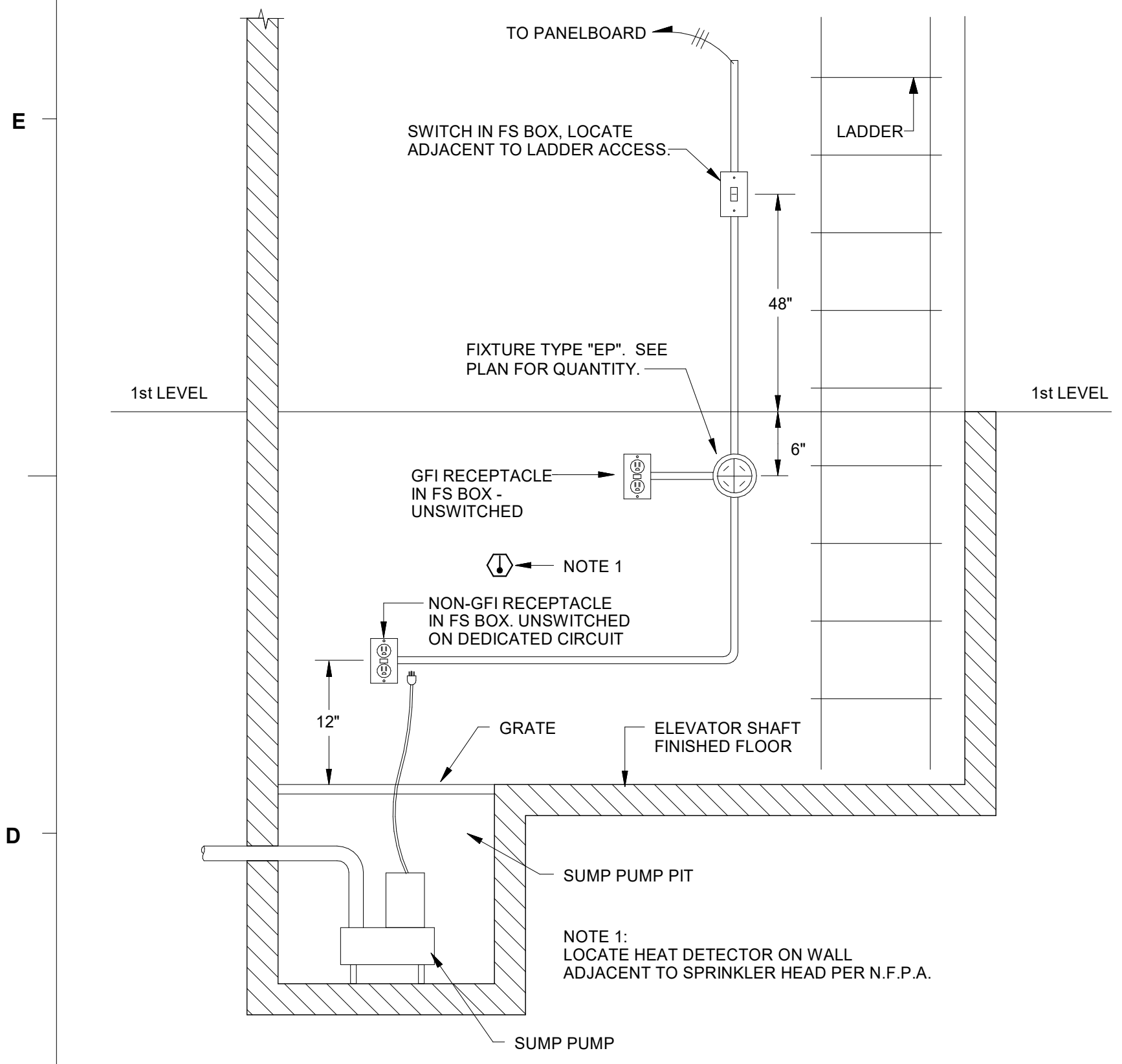


3 FIRE ALARM RISER DIAGRAM NOT TO SCALE

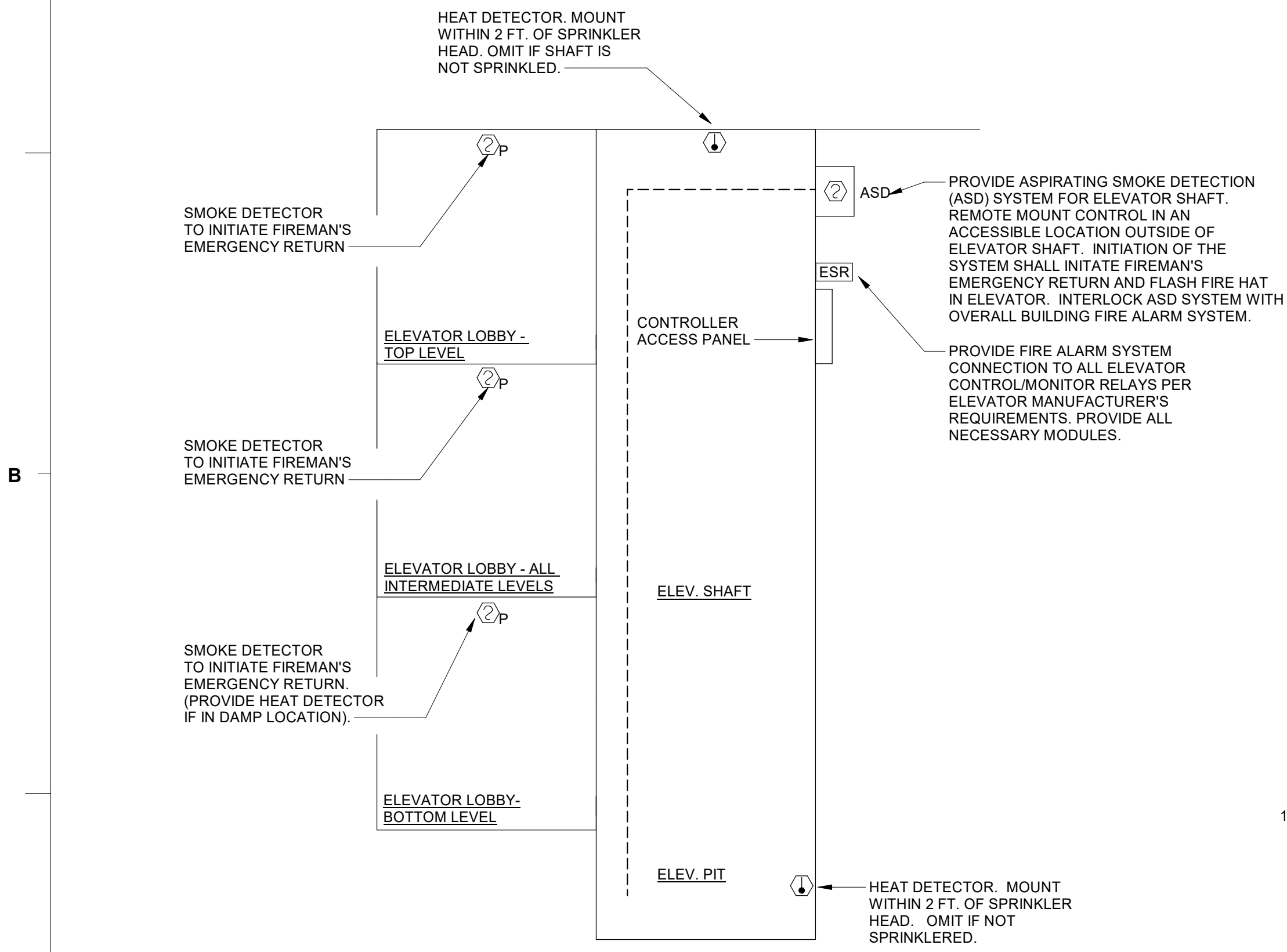


- NOTES:**
- PROVIDE 100A/2P FUSED DISCONNECT. PROVIDE AUXILIARY CONTACTS TO OPEN CIRCUIT TO EMERGENCY RETURN UNIT WHEN MAIN DISCONNECT IS OPEN. FUSE DISCONNECT PER ELEVATOR MANUFACTURER'S REQUIREMENTS. LOCATE FUSED DISCONNECT IN ROOM INDICATED IN REVISED PLAN.
 - PROVIDE 30A/2P FUSED DISCONNECT FOR ELEVATOR CAB LIGHTS. FUSE DISCONNECT PER ELEVATOR MANUFACTURER'S REQUIREMENTS. LOCATE FUSED DISCONNECT IN ROOM INDICATED IN REVISED PLAN.
 - PROVIDE, AS A MINIMUM, THE ELEVATOR POWER CIRCUIT SHOWN. COORDINATE EXACT FEEDER SIZE WITH THE ELEVATOR MANUFACTURER FOR THE EQUIPMENT ACTUALLY PROVIDED.
 - (GENERAL) ARRANGE EQUIPMENT IN SPACE AS RECOMMENDED BY ELEVATOR SUPPLIER AND ACCORDING TO N.E.C.
 - (GENERAL) PROVIDE ITEMS NOT SHOWN BUT REQUIRED BY THE ELEVATOR MANUFACTURER.
 - (GENERAL) HEAT DETECTOR AT TOP OF ELEVATOR SHAFT AND ELEVATOR PIT SHALL SHUNT BREAKER WHEN ACTIVATED. SEE ELEVATOR ELEVATION - FIRE ALARM DETAIL FOR LOCATION OF HEAT DETECTORS.
 - (GENERAL) ALL CONDUITS SHALL BE INSTALLED OUTSIDE OF ELEVATOR SHAFT.
 - 30A/2P DISCONNECT FOR 2-WAY AUDIO/VISUAL COMMUNICATIONS CIRCUIT.
 - PROVIDE 30A/2P NON-FUSED DISCONNECT WITH AUXILIARY CONTACTS (LOCKABLE IN THE OPEN POSITION) AT TOP OF ELEVATOR SHAFT WITHIN SIGHT OF MOTOR CONTROLLER WHERE INDICATED IN ELEVATOR SHOP DRAWINGS. PROVIDE A LABEL ON THIS DISCONNECT STATING THE LOCATION OF DISCONNECT "JH" AND BRANCH CIRCUIT OVERCURRENT PROTECTION DEVICE IN ACCORDANCE WITH N.E.C.

2 MRL ELEVATOR DISCONNECT SWITCHES - EMERGENCY POWER NOT TO SCALE

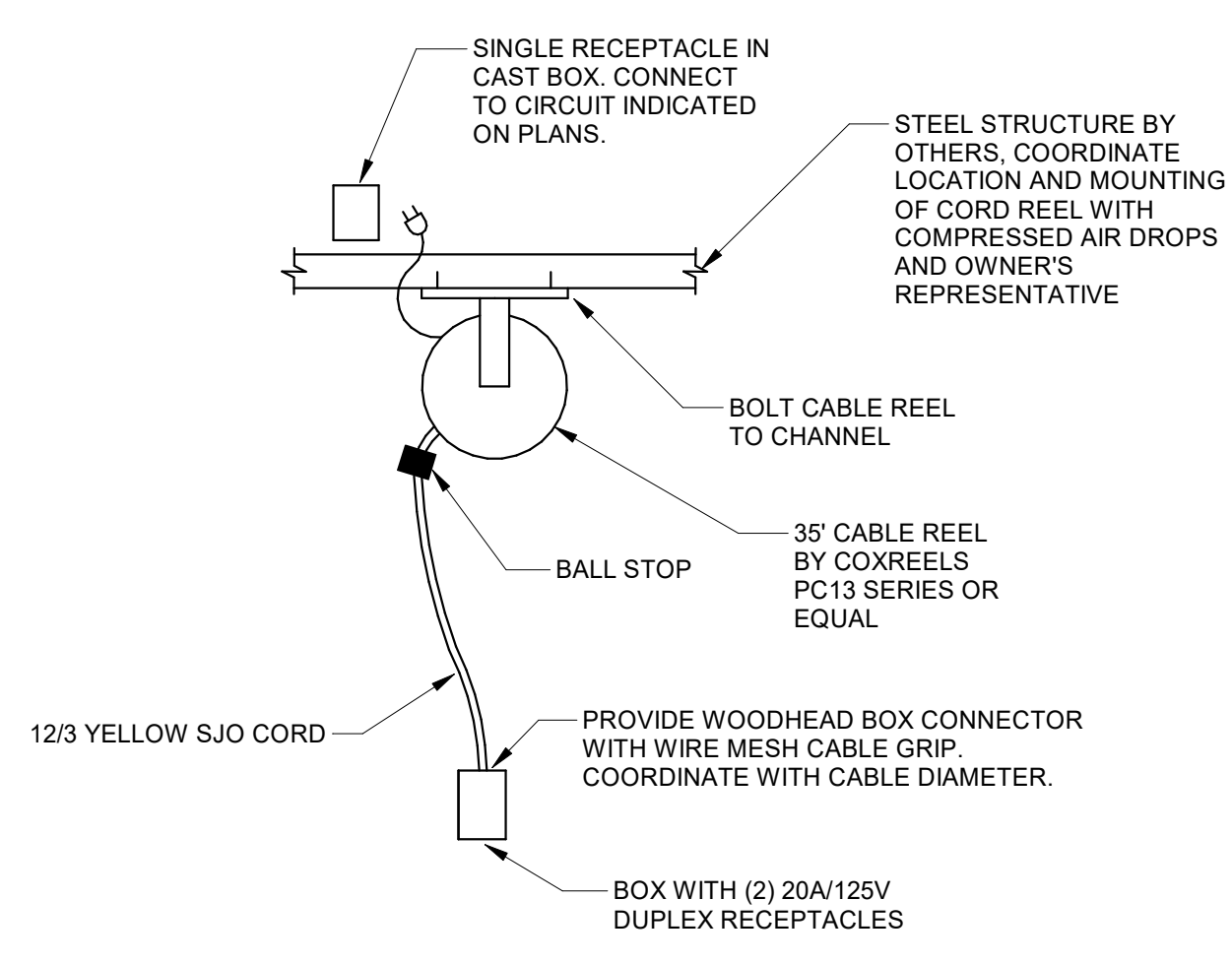


1 ELEVATOR ELEVATION - ELECTRICAL NOT TO SCALE

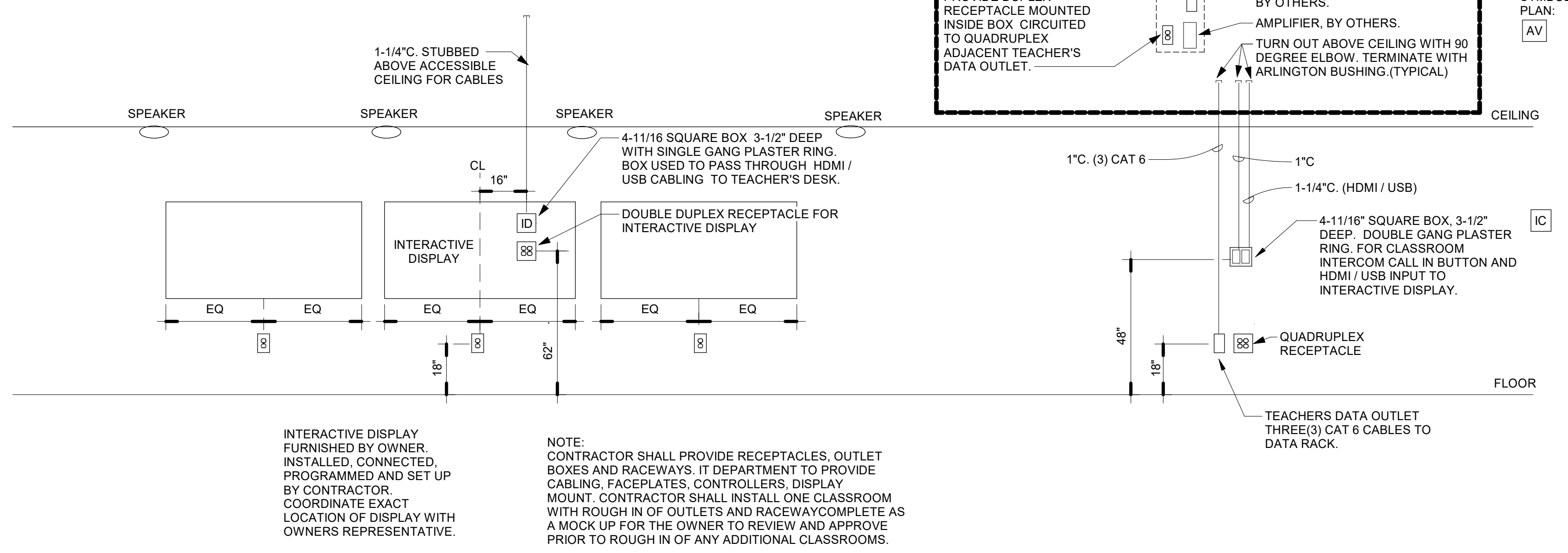


- GENERAL NOTES:** (MRL ELEVATOR - FIRE ALARM DETAIL)
- COORDINATE INSTALLATION OF DETECTORS WITH ELEVATOR EQUIPMENT.
 - INTERLOCK HEAT DETECTORS WITH SHUNT TRIP BREAKER SERVING ELEVATOR TO INITIATE ELEVATOR POWER SHUTOFF UPON ACTIVATION.
 - THE EXACT PLACEMENT OF DETECTORS SHALL BE FIELD DETERMINED IN ACCORDANCE WITH ASME A17.1, NFPA 72, AND THE ELEVATOR MANUFACTURER.
 - THIS DETAIL SHALL BE ADAPTED AS REQUIRED FOR ALL ELEVATORS.

7 MRL ELEVATOR ELEVATION - FIRE ALARM NOT TO SCALE



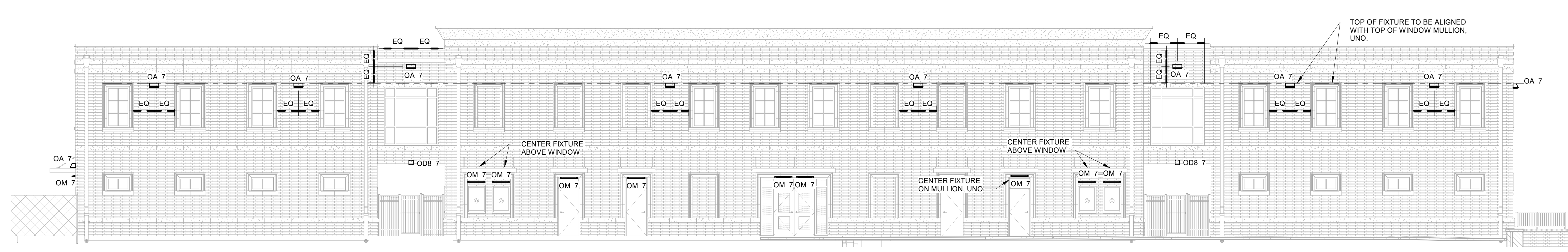
6 CORD REEL DETAIL NOT TO SCALE



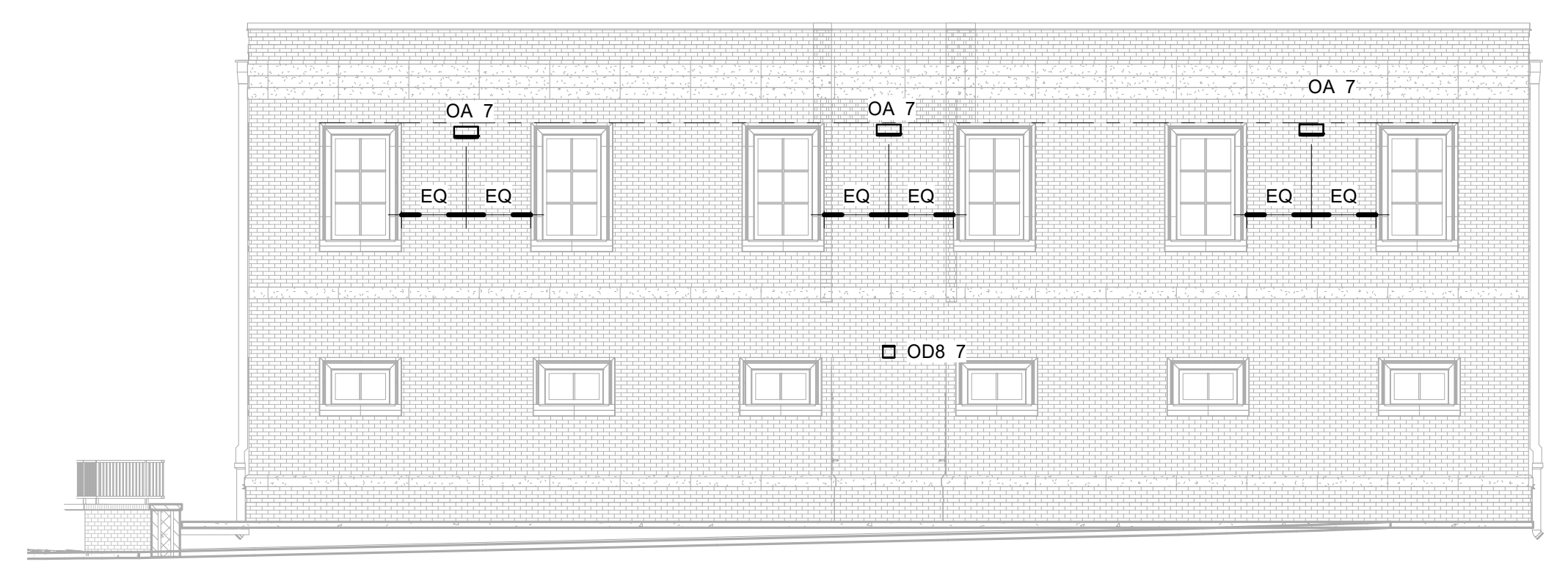
5 TYPICAL WALL FIELD DETAIL FOR DEVICE LAYOUT FOR CLASSROOMS NOT TO SCALE



1 EXTERIOR LIGHTING - A
 1/8" = 1'-0"



2 EXTERIOR LIGHTING - B
 1/8" = 1'-0"

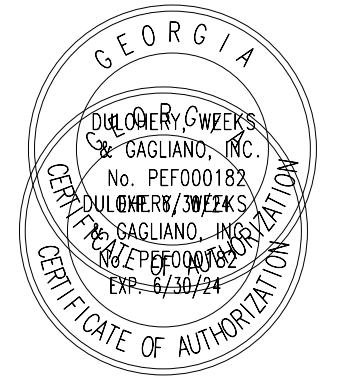


3 EXTERIOR LIGHTING - C
 1/8" = 1'-0"



4 EXTERIOR LIGHTING - D
 1/8" = 1'-0"

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No.	Description	Date
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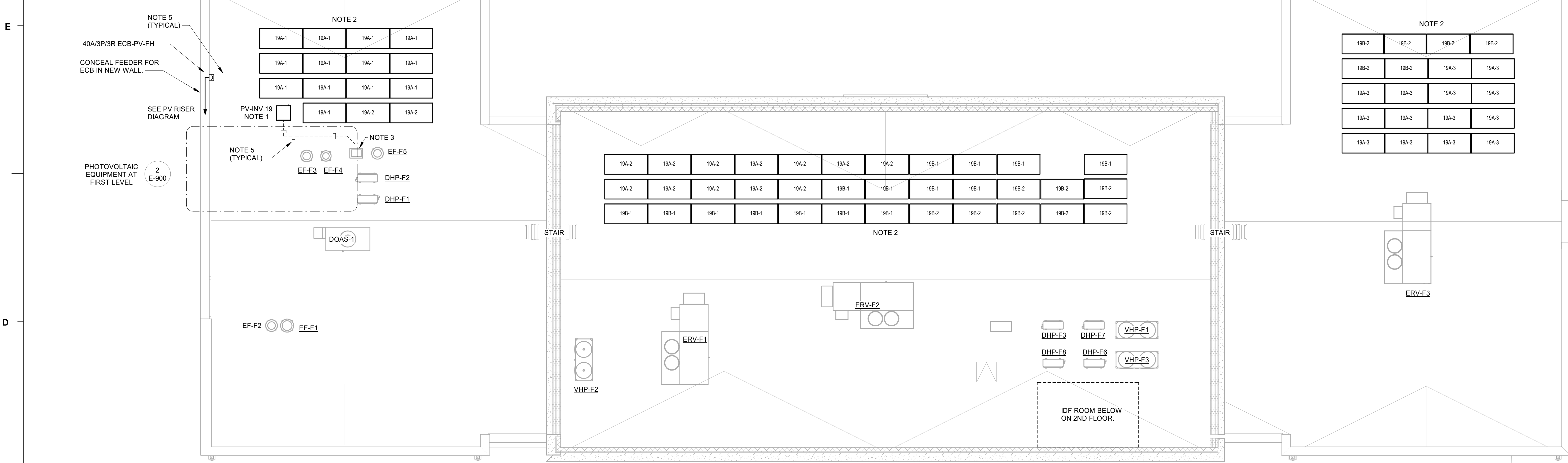
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FIELDHOUSE BUILDING

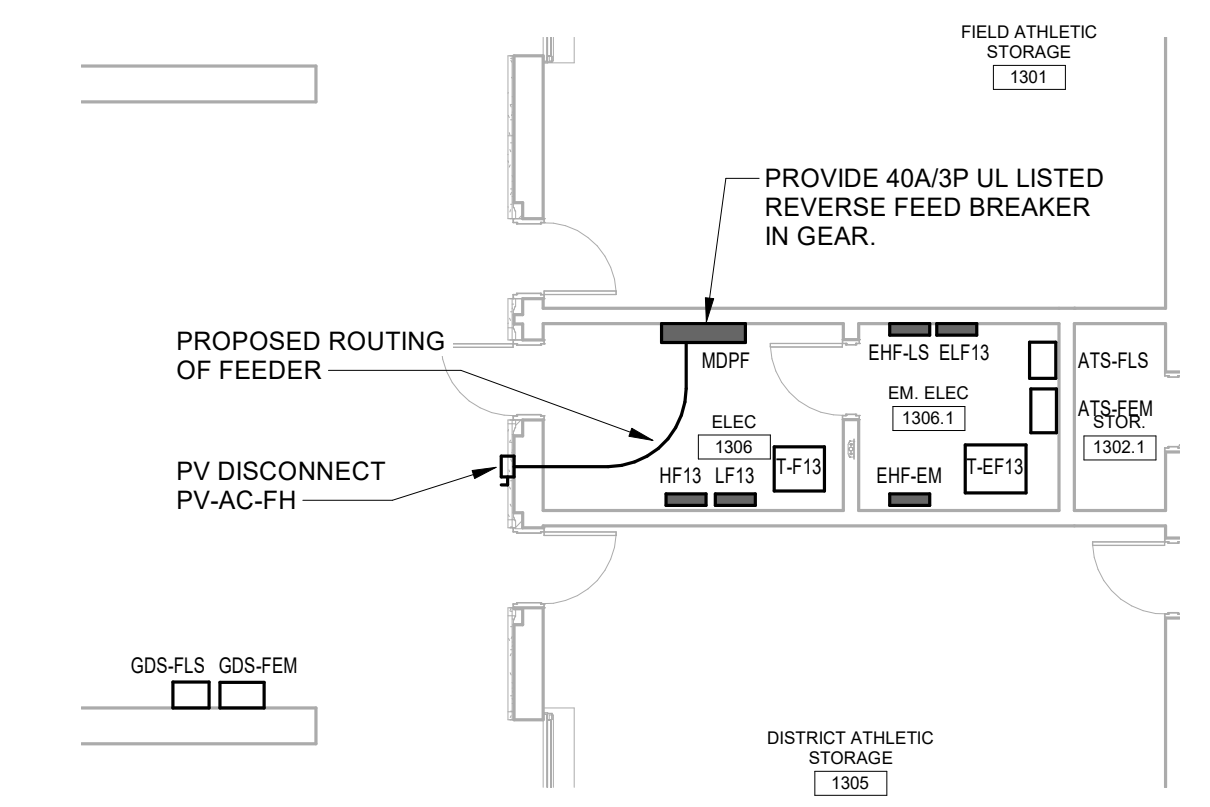
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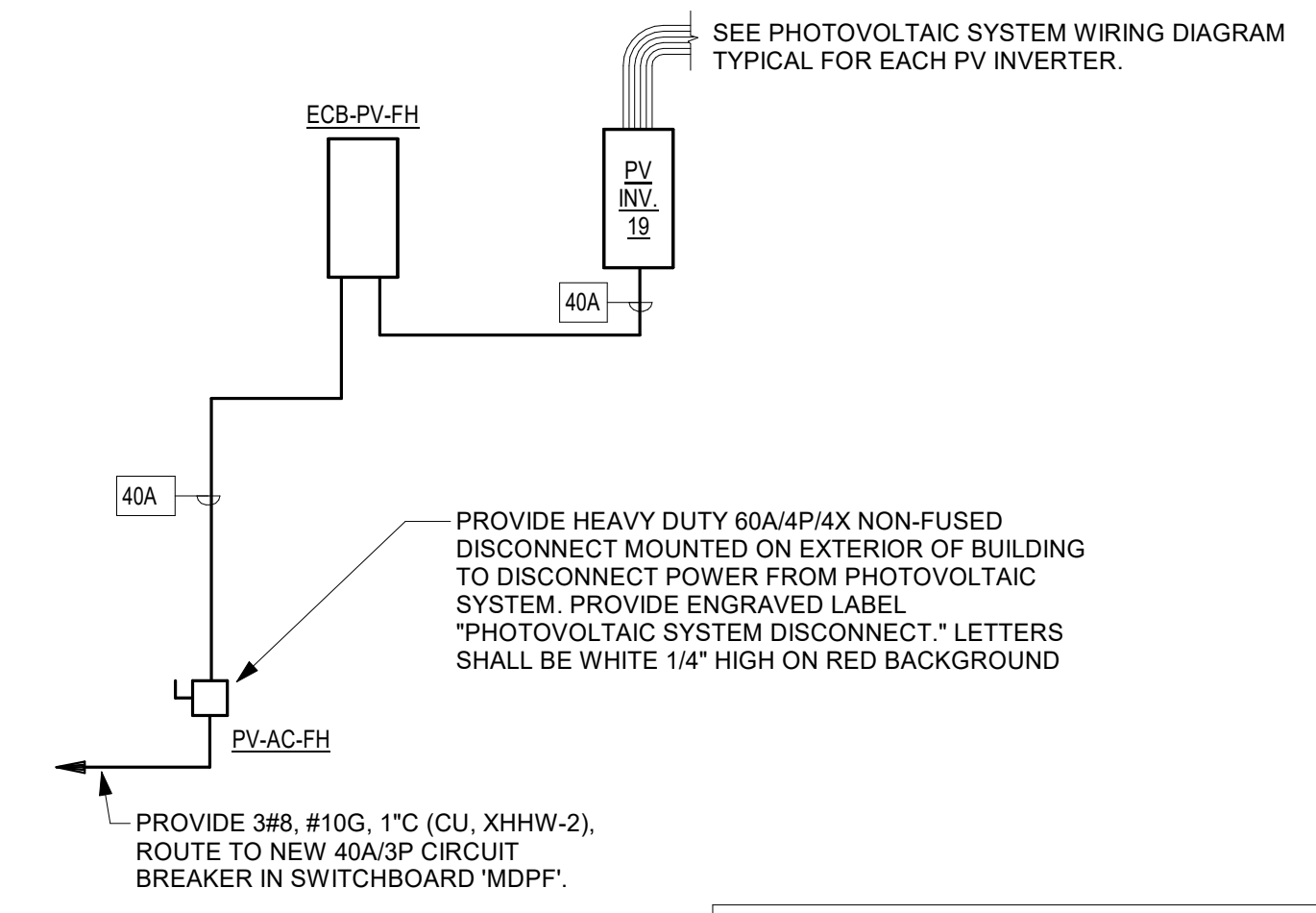
1. PROVIDE SMA SUNNY TRIPOWER 2400TL-US INVERTERS. SEE SPECIFICATIONS ON SHEET PV-E01 FOR MORE INFORMATION. ROUTE GALVANIZED MC CONDUIT WITHIN 18" OF UNIT THEN TRANSITION TO WP FLEX FOR FINAL CONNECTIONS.
2. GAMECHANGE SOLAR BALLASTED ROOF MOUNTING SYSTEM WITH 10 DEGREE TILT. PROVIDE BLOCK BALLASTS AS REQUIRED TO SUPPORT THE ARRAY. SEE SPECIFICATIONS ON SHEET PV-E01 FOR MORE INFORMATION.
3. PROVIDE 1" CONDUIT FROM INVERTER TO PIPE PORTAL TO ROUTE FLEXIBLE WP CONDUIT DOWN PORTAL TO BELOW ROOF, THEN CONDUIT TO NEAREST CABLE TRAY SYSTEM IN BUILDING FOR ROUTING ONLINE SYSTEM MONITORING CABLING. PROVIDE INDOOR/OUTDOOR PLENUM RATED CAT 6 CABLE FROM SPEEDWIRE / WEBCONNECT DATA MODULE IN INVERTER TO NEAREST DATA RACK IN BUILDING. MAXIMUM CABLE LENGTH SHALL BE 290 FEET.
4. GENERAL: WHERE REQUIRED, PROVIDE CABLE TRAY FOR SOLAR PANEL WIRE DISTRIBUTION. PROVIDE CABLE TRAY WITH EXPANSION JOINTS AND CABLE TRAY SUPPORT. PROVIDE EXPANSION JOINTS EVERY 60' ENTIRE LENGTH. PROVIDE CABLE TRAY SUPPORT WITHIN 2 FEET OF EACH END AND WITHIN 2' OF EXPANSION JOINTS. CABLE TRAY SUPPORTS SHALL BE MAXIMUM 10' APART.
5. GENERAL: WHERE REQUIRED TO ROUTE CONDUIT ATOP ROOF, PROVIDE ARLINGTON ROOF TOPPER "RTSE4" (OR "RTSE12" AT CONDUIT CROSSINGS) WITH SLED BASE. ROOFTOP SUPPORTS SHALL BE LOCATED WITHIN 2' OF ALL BENDS, BOXES, AND TRANSITIONS TO FLEX. SUPPORTS SHALL BE MAXIMUM 10' APART.



1 ROOF PLAN - PHOTOVOLTAIC PLAN - FIELDHOUSE
1/8" = 1'-0"



2 1ST FLOOR - PHOTOVOLTAIC PLAN - FIELDHOUSE
1/8" = 1'-0"



3 FIELDHOUSE PHOTOVOLTAIC RISER DIAGRAM
NOT TO SCALE

FEEDER SCHEDULE	
40A	PROVIDE 3#8, #10G, 1" (CU) XHHW-2

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LEGEND:

DEVICE IDENTIFIER TAGS:

- NUMERAL ADJACENT TO DEVICE DENOTES BRANCH CIRCUIT CONNECTION. IDENTIFIER TAGS ADJACENT TO DEVICES INDICATE:
- C MOUNT ABOVE COUNTERTOP OR BACKSPLASH, 9" ABOVE WORK SURFACE TO CENTER
 - XX" MOUNT DEVICE AT HEIGHT INDICATED
 - WP PROVIDE WEATHER-PROOF COVER
 - MF DEVICE INSTALLED IN MODULAR FURNITURE BASE
 - TV MOUNT DEVICE AT 84" AFF, ADJACENT TO TV RECEPTACLE
 - CCTV MOUNT DEVICE IN WALL AT 9'-0" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER. MOUNT DEVICE IN CEILING TILE, WHERE CAMERA IS SHOWN IN CEILING MOUNTED.

TELECOMMUNICATIONS:

- OUTLETS SHALL BE INSTALLED AT THE SAME HEIGHT AS CORRESPONDING POWER OUTLETS, UNO.
- WALL MOUNTED TELECOMMUNICATIONS JUNCTION BOX AND CONDUIT ROUGH-IN TO NEAREST ACCESSIBLE CEILING.
 - 19"W x 84" H EIA/TIA RACK WITH VERTICAL WIRE MANAGEMENT CHANNELS
 - CONDUIT SLEEVE: (1) 2" FOR ALL LABS, (2) 2" FOR ALL CLASSROOMS, (1) 2" FOR ALL OFFICES AND SIMILAR SPACES UNO.
 - 18X4 CABLE TRAY: SIZE AS INDICATED, 18"W x 4"H TYP.
 - COMMUNICATION BACKBOARD: 3/4" THICK TYPE AC PLYWOOD, 8" HIGH, LENGTH AS INDICATED
 - AUDIO/VISUAL OUTLET: WALL MTD. VERIFY GANG SIZE AND LOCATION W/ SYSTEM INSTALLER.
 - WALL MTD. TELEVISION JUNCTION BOX AND CONDUIT ROUGH-IN TO NEAREST ACCESSIBLE CEILING. PROVIDE RECESS COMBINATION BOX WITH QUAD RECEPTACLE. VERIFY MOUNTING HEIGHT W/ ARCHITECTURAL ELEVATIONS
 - CEILING MTD. TELECOMMUNICATION JUNCTION BOX
 - WALL MTD. TELECOMMUNICATION JUNCTION BOX AND CONDUIT ROUGH-IN TO NEAREST ACCESSIBLE CEILING
 - CEILING MTD. TELECOMMUNICATION JUNCTION BOX AND CONDUIT ROUGH-IN TO NEAREST ACCESSIBLE CEILING

SECURITY & CAMERA SYSTEMS

- COORDINATE MOUNTING HEIGHTS, DEVICE LOCATIONS, & POWER/CONTROL REQUIREMENTS WITH ARCHITECTURAL DRAWINGS AND SYSTEM INSTALLER.
- KP INTRUSION SYSTEM. KEY-PAD, MOUNTED 48" AFF
 - SA SECURITY ACCESS: MOUNT ABOVE CEILING AT ENTRY WAY
 - INTRUSION DETECTION DEVICE: WALL MTD. CORRIDOR UNIT
 - INTRUSION DETECTION DEVICE: WALL MTD. ROOM UNIT
 - INTRUSION DETECTION DEVICE: CEILING MTD. ROOM UNIT
 - WALL MOUNTED CAMERA JUNCTION BOX AND CONDUIT ROUGH-IN TO NEAREST ACCESSIBLE CEILING.
 - CEILING MOUNTED CAMERA JUNCTION BOX AND CONDUIT ROUGH-IN TO NEAREST ACCESSIBLE CEILING

SPEAKER SYSTEM:

- COORDINATE MOUNTING HEIGHTS, DEVICE LOCATIONS & POWER/CONTROL REQUIREMENTS WITH ARCHITECTURAL DRAWINGS AND SYSTEM INSTALLER.
- LOCALIZED SPEAKER: CEILING MOUNTED
 - LOCALIZED SPEAKER: WALL MOUNTED AT 96" AFF.
 - INTERCOM SPEAKER: WEATHERPROOF WALL MOUNTED AT 96" AFF.
 - INTERCOM SPEAKER: 2' X 2' SQUARE CEILING MOUNTED
 - MICROPHONE JACK: WALL MOUNTED AT 18" AFF, UNO.
 - INTERCOM CALL STATION: WALL MOUNTED 48" AFF
 - INTERCOM CONTROL CONSOLE: STAFF STATION 18" AFF
 - VOLUME CONTROL: WALL MOUNT AT 48" AFF

ACCESS CONTROL SYSTEMS

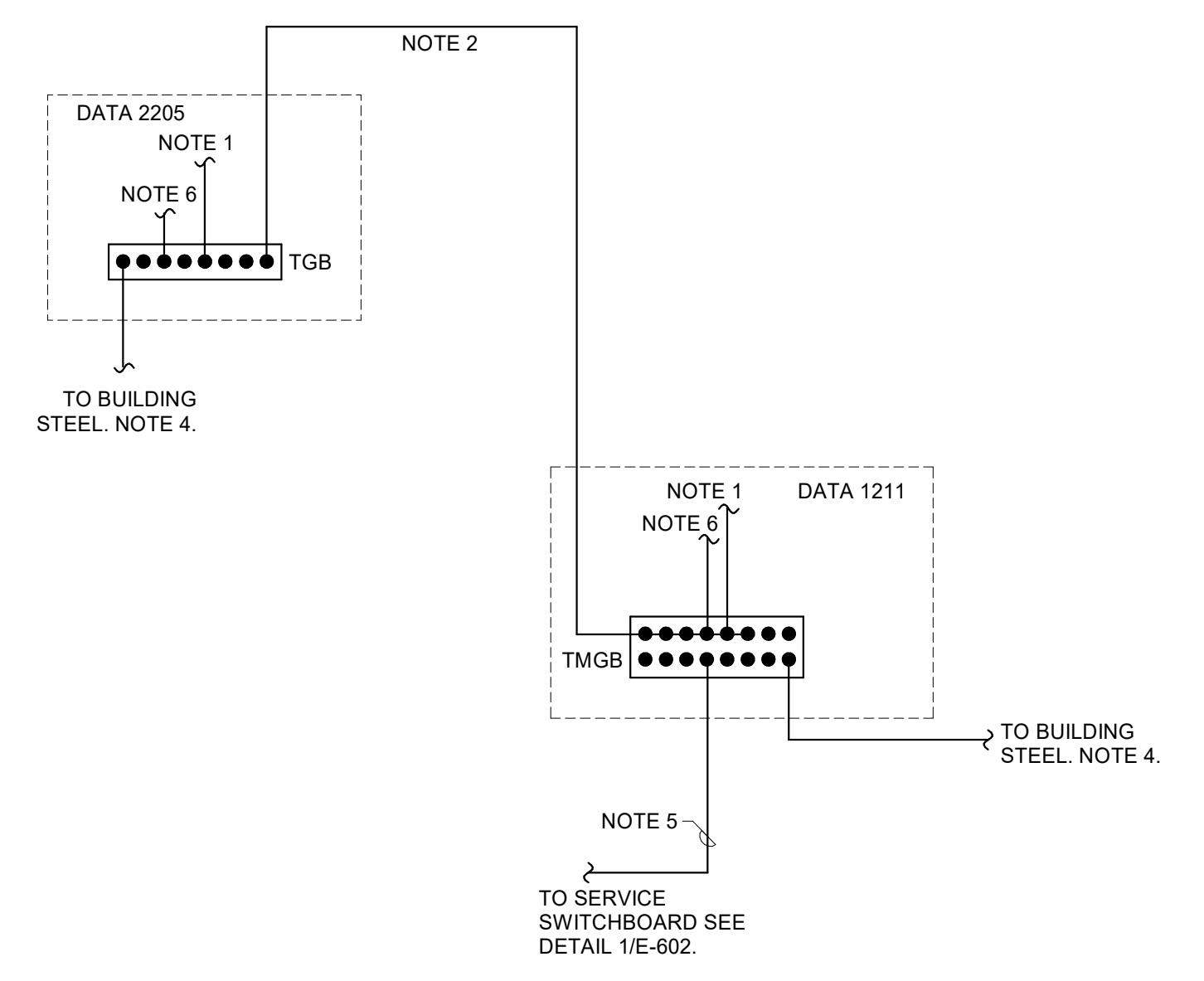
- AC SEE DETAIL 5/T-301 FOR POWER, POWER DISCONNECT, LOW VOLTAGE CABLING, BOXES AND CONDUIT REQUIREMENTS. REFER TO ARCHITECTURAL PLANS AND DOOR SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- CR CARD READER LOCATION.
- DPS DOOR POSITION SWITCH.
- PD PANIC DEVICE.

AREA OF REFUGE

- CB CALL BOX
- BS BASE STATION
- PS POWER SUPPLY

ABBREVIATIONS:

- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- AV AUDIO/VISUAL
- AWG AMERICAN WIRE GAUGE
- BFG BELOW FINISHED GRADE
- C CONDUIT
- DIA. DIAMETER
- G GROUND
- MIN MINIMUM
- MTD MOUNTED
- No. NUMBER
- NEC NATIONAL ELECTRIC CODE
- NTS NOT TO SCALE
- TYP TYPICAL
- UNO UNLESS NOTED OTHERWISE
- V VOLTAGE
- W WATTAGE
- W/ WITH
- WP WEATHER PROOF



NOTES:

- BOND COMMUNICATIONS EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND ANSI EIA/TIA 607B GROUNDING AND BONDING STANDARD. BOND RACKS, PROTECTOR MODULES, EQUIPMENT ENCLOSURES, CABLE TRAYS AND METALLIC CONDUITS TO THE TMGB (OR TGB) WITH A MINIMUM OF #6 AWG WITH GREEN THHN INSULATION. REFER TO TBB/GE DISTANCE & SIZING TABLE.
- TELECOMMUNICATIONS BONDING BACKBONE (TBB). INSTALL PER ANSI EIA/TIA 607-B, SIZE PER TBB/GE TABLE.
- NOT USED.
- SIZE BONDING CONDUCTOR TO BUILDING STEEL PER TIA 607-B TBB/GE TABLE ON THIS SHEET.
- SIZE BONDING CONDUCTOR TO SERVICE ENTRANCE EQUIPMENT GROUND BUS EQUAL TO THE LARGEST TBB CONDUCTOR SIZE USED IN THE BUILDING'S TELECOMMUNICATIONS GROUNDING AND BONDING SYSTEM, PER TIA 607-B TBB/GE TABLE AND RISER DIAGRAM.
- TELECOMMUNICATIONS BONDING CONDUCTOR TO LOCAL PANELBOARD GROUND BUS. MINIMUM CONDUCTOR SIZE SHALL BE #6 AWG WITH GREEN THHN INSULATION. REFER TO TBB/GE DISTANCE & SIZING TABLE.
- ALL CONNECTIONS TO TELECOMMUNICATIONS GROUNDING BUS BARS SHALL BE MADE WITH LONG BARREL, TWO-HOLE, COMPRESSION LUGS. MECHANICAL LUGS ARE NOT ACCEPTABLE.
- PROVIDE A VINYL LABEL FOR EACH CONDUCTOR NOT ORIGINATING IN THE SAME SPACE INDICATING THE PURPOSE AND LOCATION OF THE OTHER END OF THE CONDUCTOR.

1 TELECOMMUNICATIONS GROUNDING & BONDING RISER DIAGRAM
NOT TO SCALE

TELECOMMUNICATIONS BONDING BACKBONE (TBB) & GROUNDING EQUALIZER (GE) LENGTH VS. SIZE TABLE	
MAXIMUM TBB/GE LENGTH (FEET)	MINIMUM AWG CONDUCTOR
LESS THAN 13 FT.	6
14 - 20 FT.	4
21 - 26 FT.	3
27 - 33 FT.	2
34 - 41 FT.	1
42 - 52 FT.	1/0
53 - 66 FT.	2/0
67 - 84 FT.	3/0
85 - 105 FT.	4/0
106 - 125 FT.	250 kcmil
126 - 150 FT.	300 kcmil
151 - 175 FT.	350 kcmil
176 - 250 FT.	500 kcmil
251 - 300 FT.	600 kcmil
GREATER THAN 301 FT.	750 kcmil

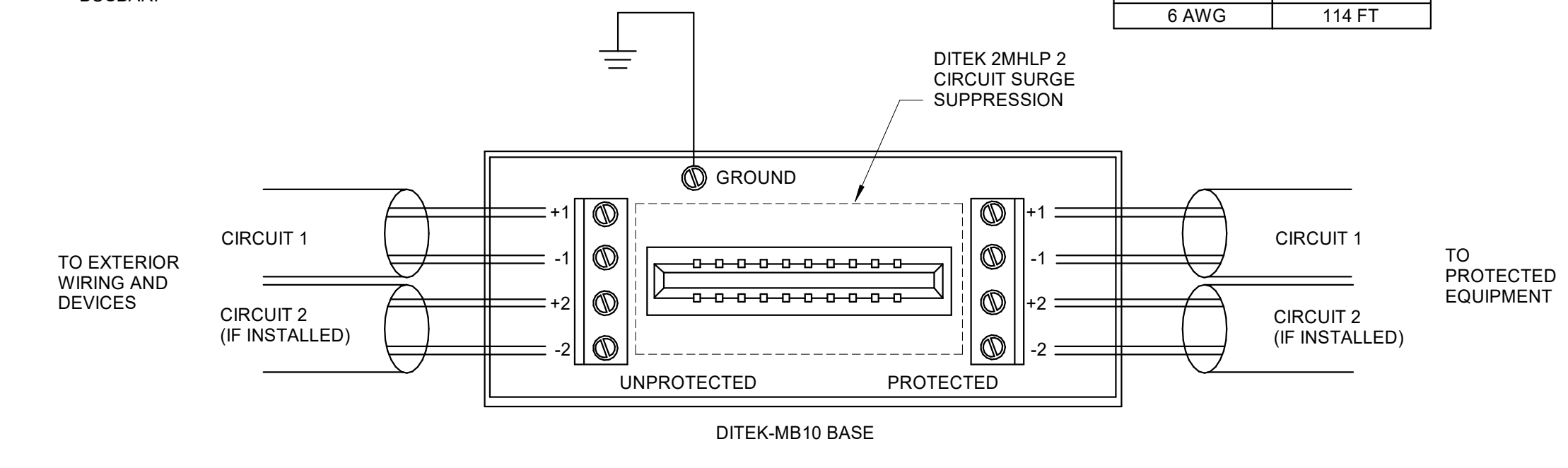
NOTE: ALL CONDUCTORS SHALL HAVE GREEN THHN INSULATION.

NOTES: (SIGNALING CIRCUIT SURGE PROTECTION DEVICE DETAIL)

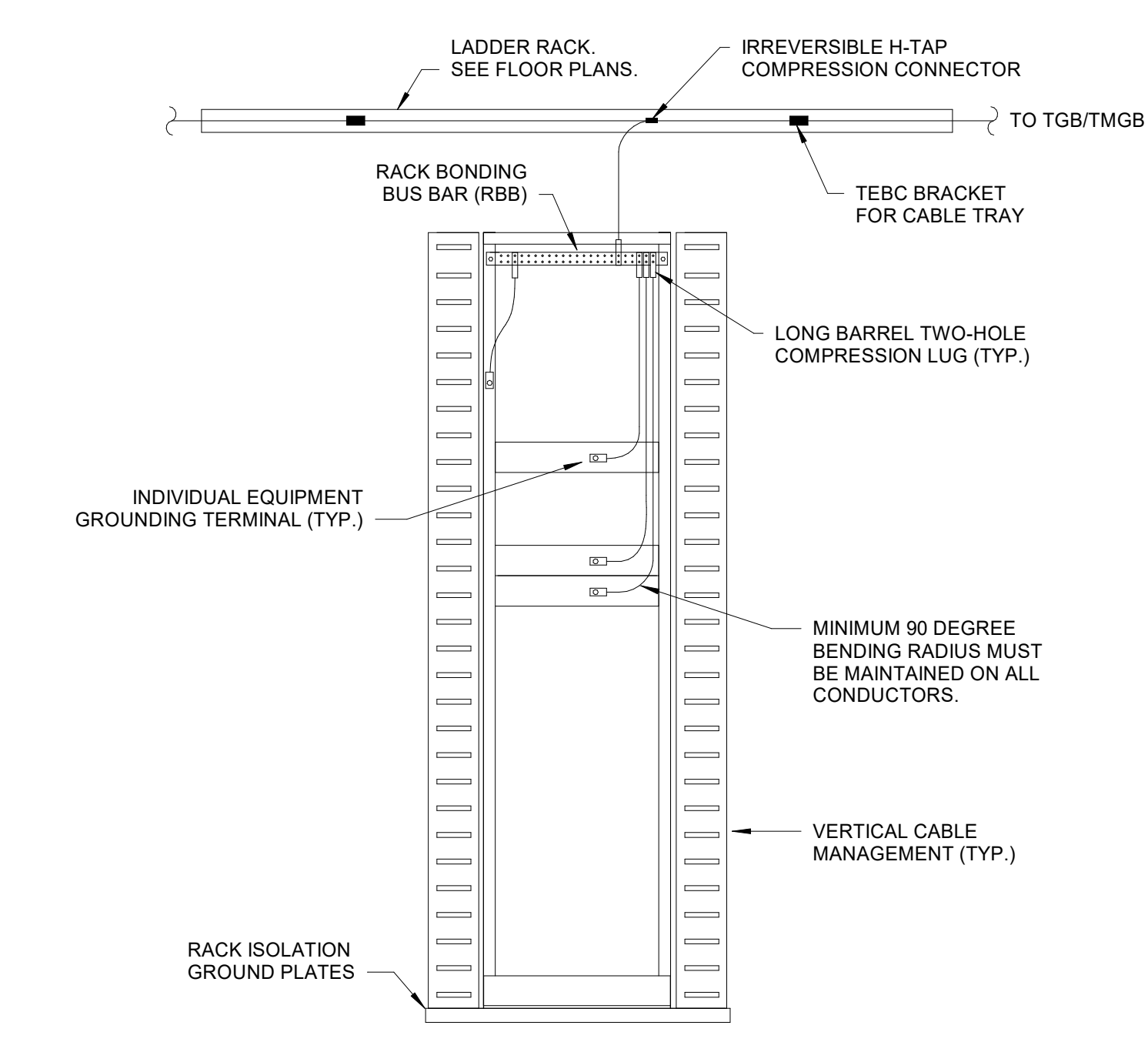
- PROVIDE SURGE PROTECTION DEVICE FOR EACH EXTERIOR LOW VOLTAGE SYSTEMS CIRCUIT.
- ELECTRICAL CONTRACTOR SHALL PROVIDE GROUNDING CONDUCTOR SIZED PER TABLE FROM SURGE PROTECTION DEVICE LOCATION TO NEAREST INTER-SYSTEM GROUNDING BUSBAR, TELECOMMUNICATIONS GROUNDING BUSBAR, OR PANELBOARD GROUNDING BUSBAR.

TABLE:
GROUNDING CONDUCTOR SIZE

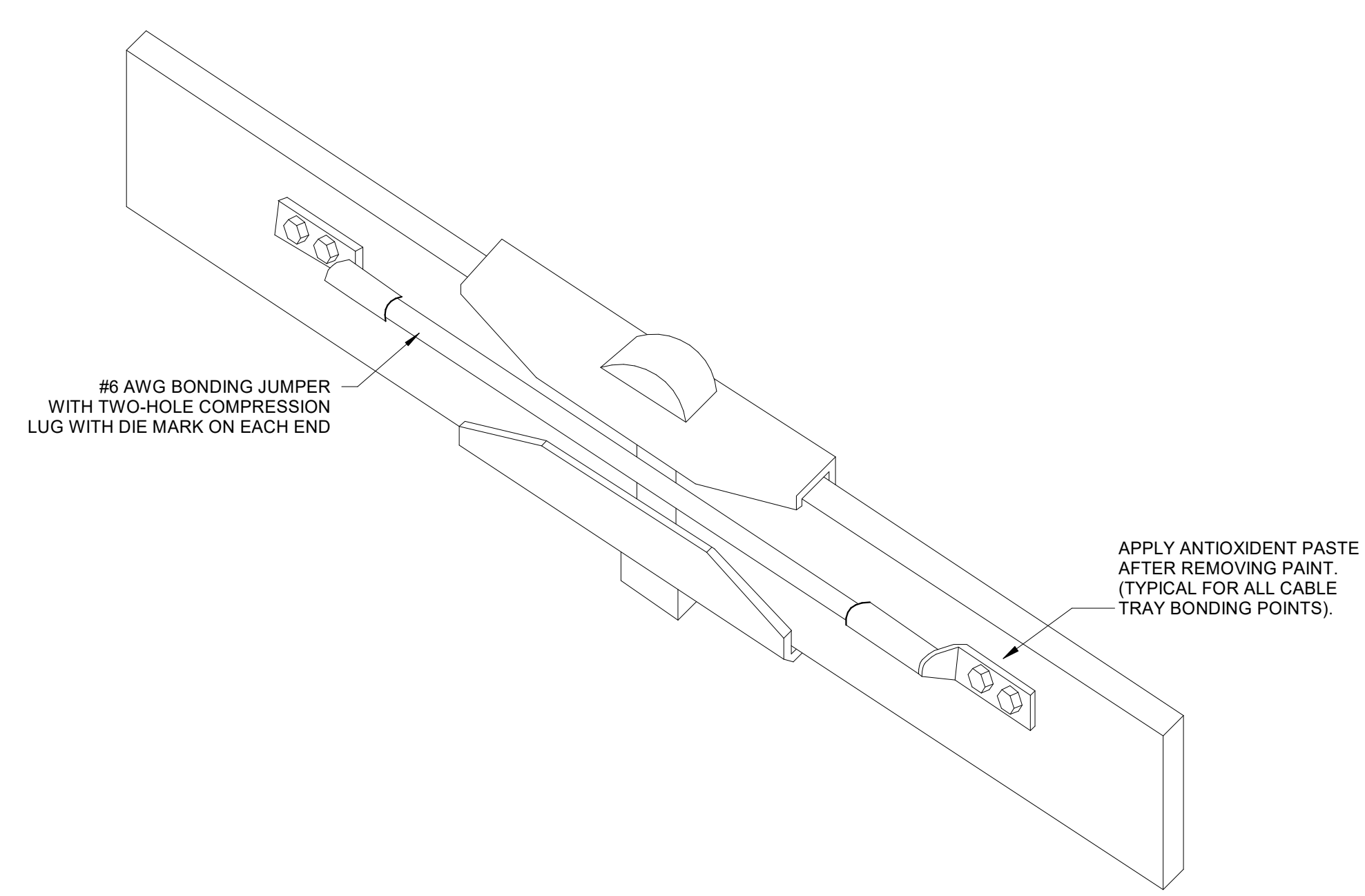
WIRE SIZE	MAX DISTANCE
12 AWG	28 FT
10 AWG	46 FT
8 AWG	71 FT
6 AWG	114 FT



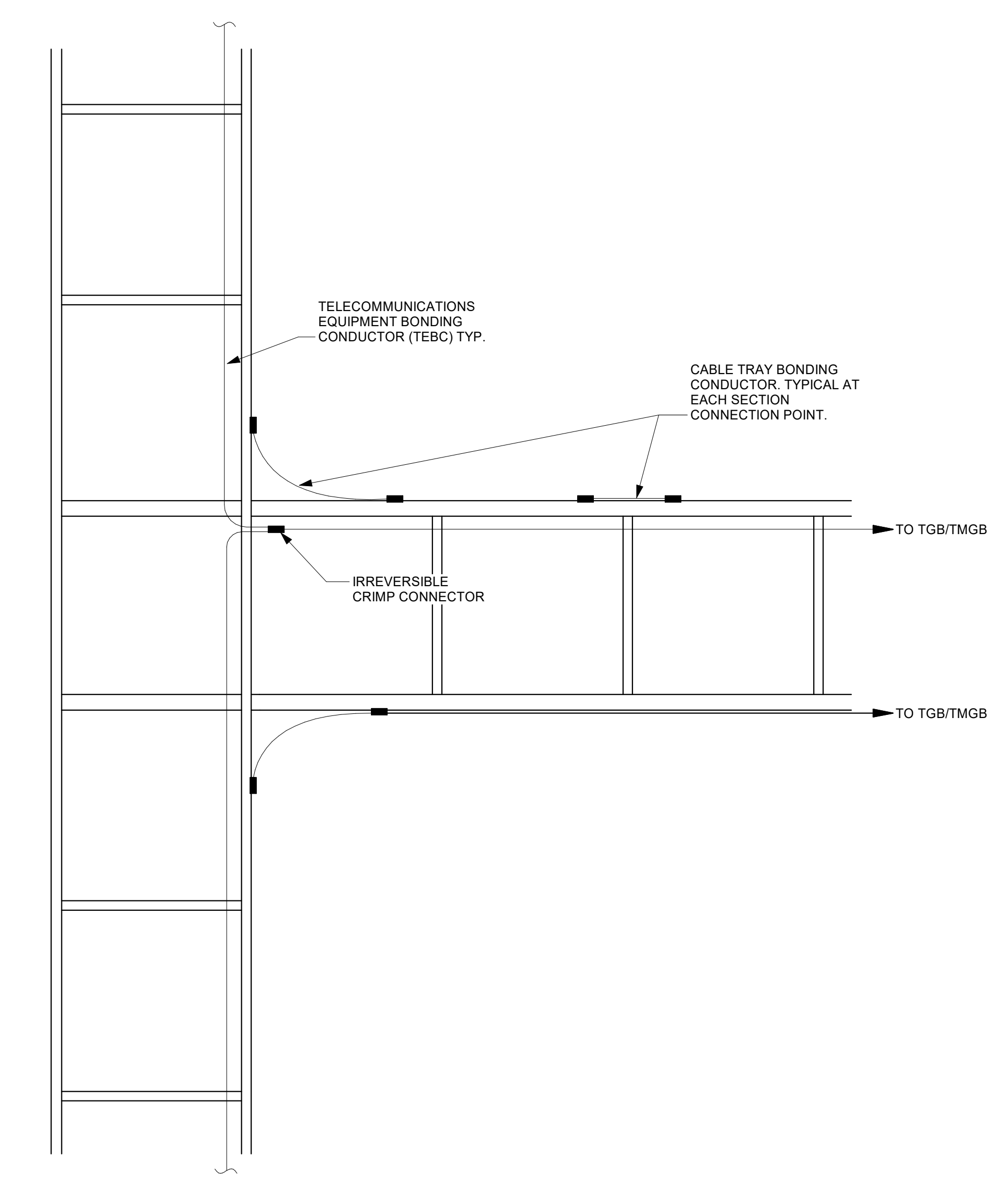
2 SIGNALING CIRCUIT SURGE PROTECTION DEVICE
NO SCALE



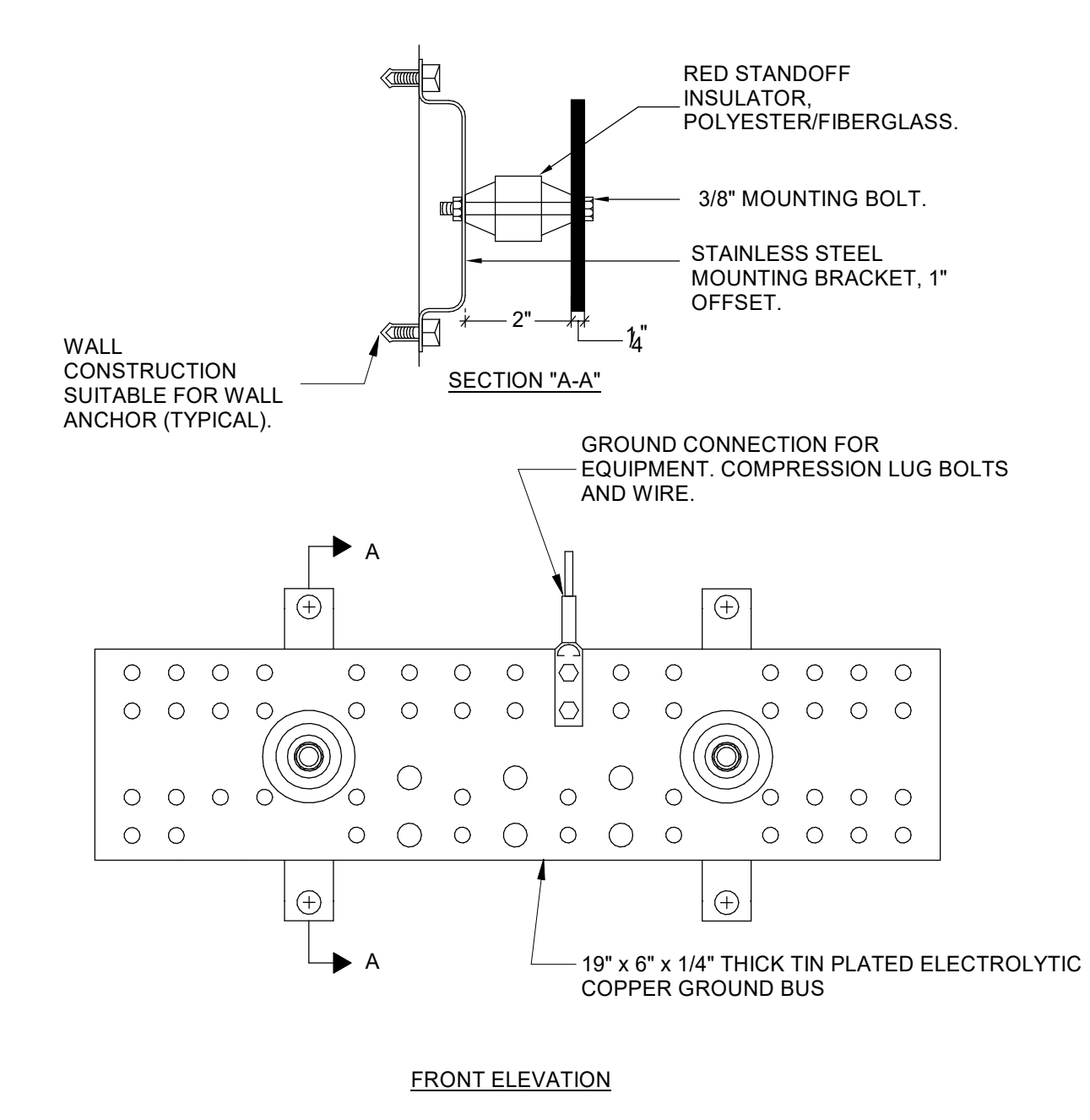
1 DATA RACK BONDING
NO SCALE



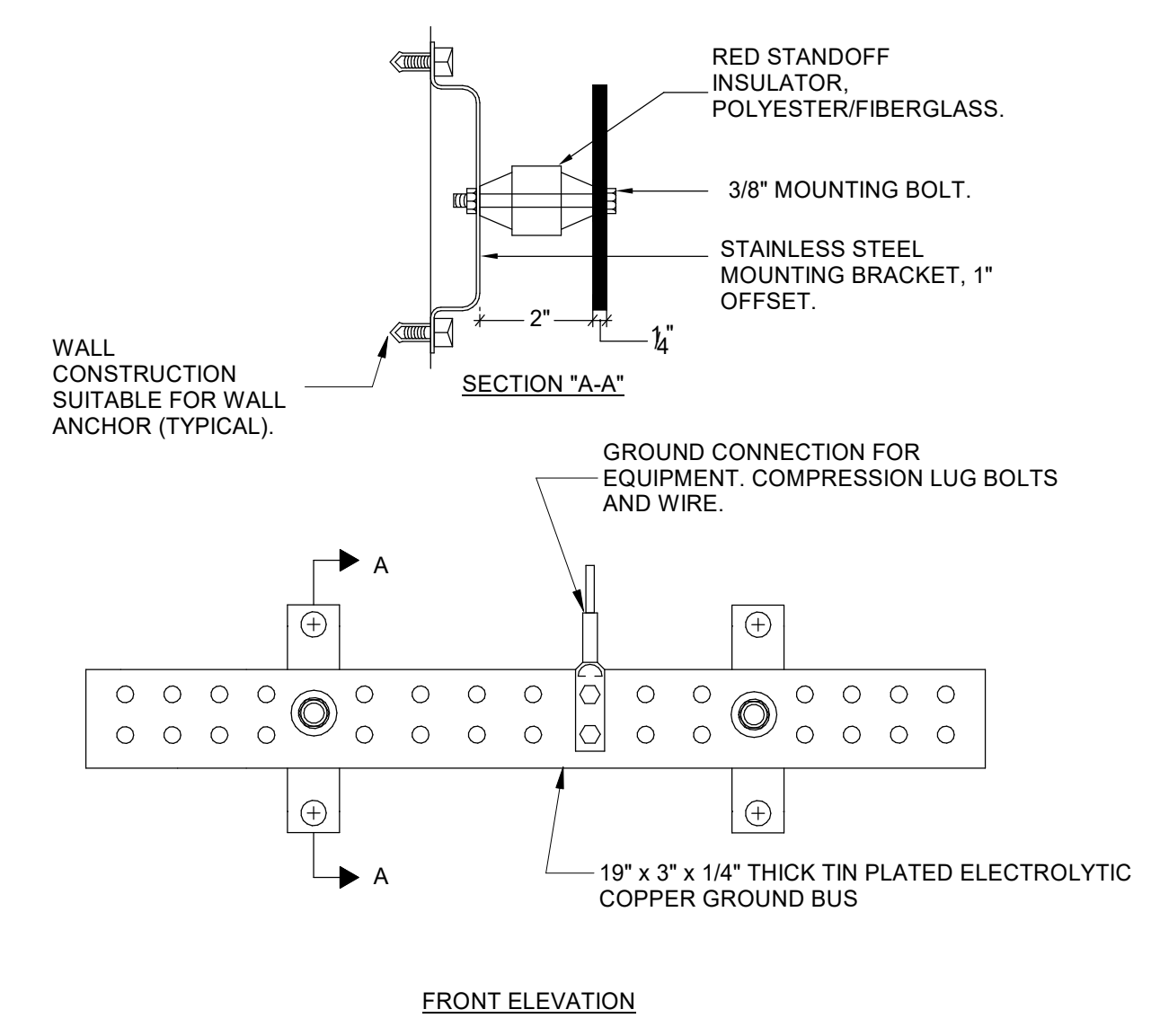
2 CABLE TRAY BONDING JUMPER
NO SCALE



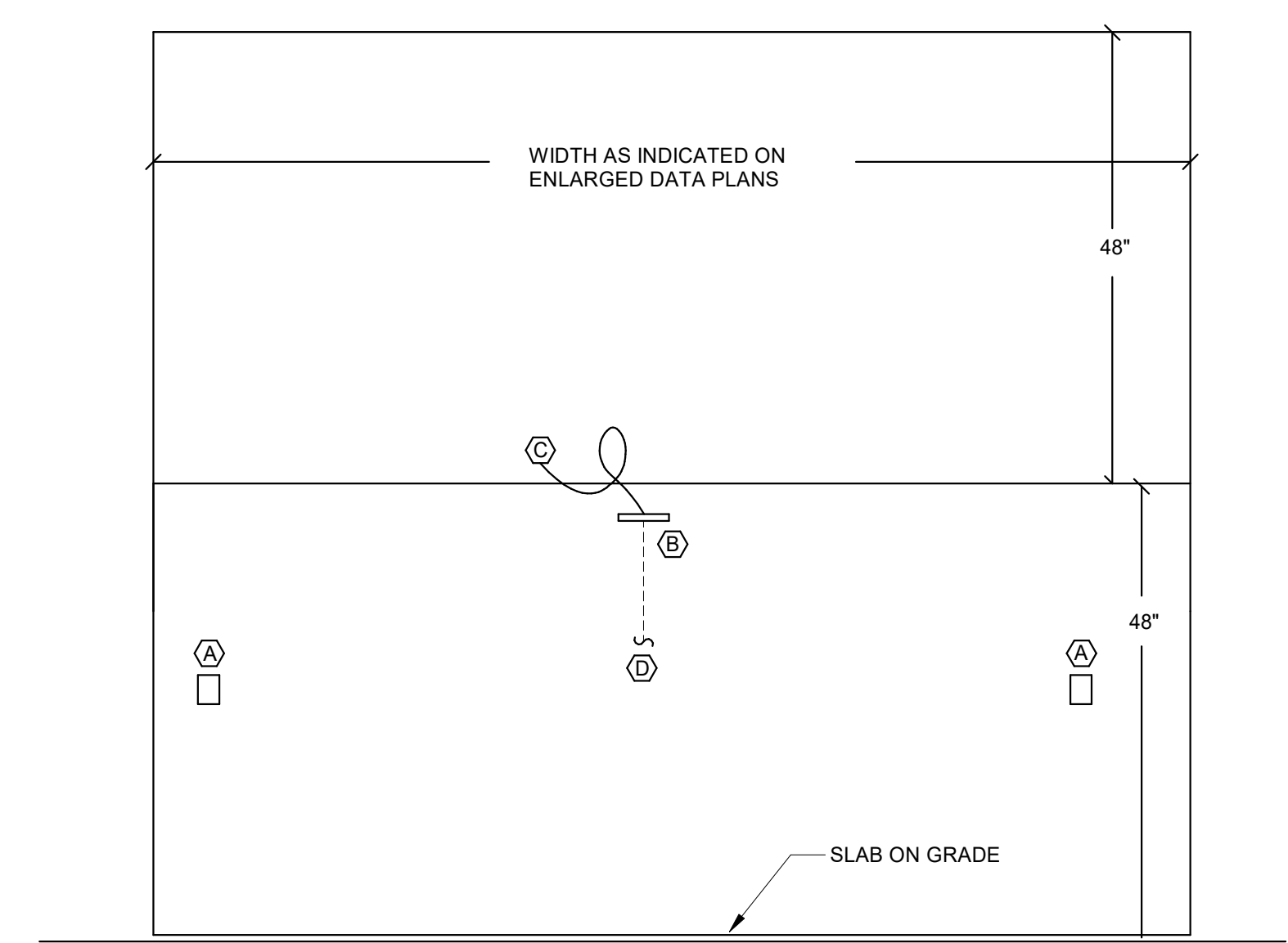
3 CABLE TRAY/LADDER RACK BONDING
NO SCALE



4 TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB)
NOT TO SCALE



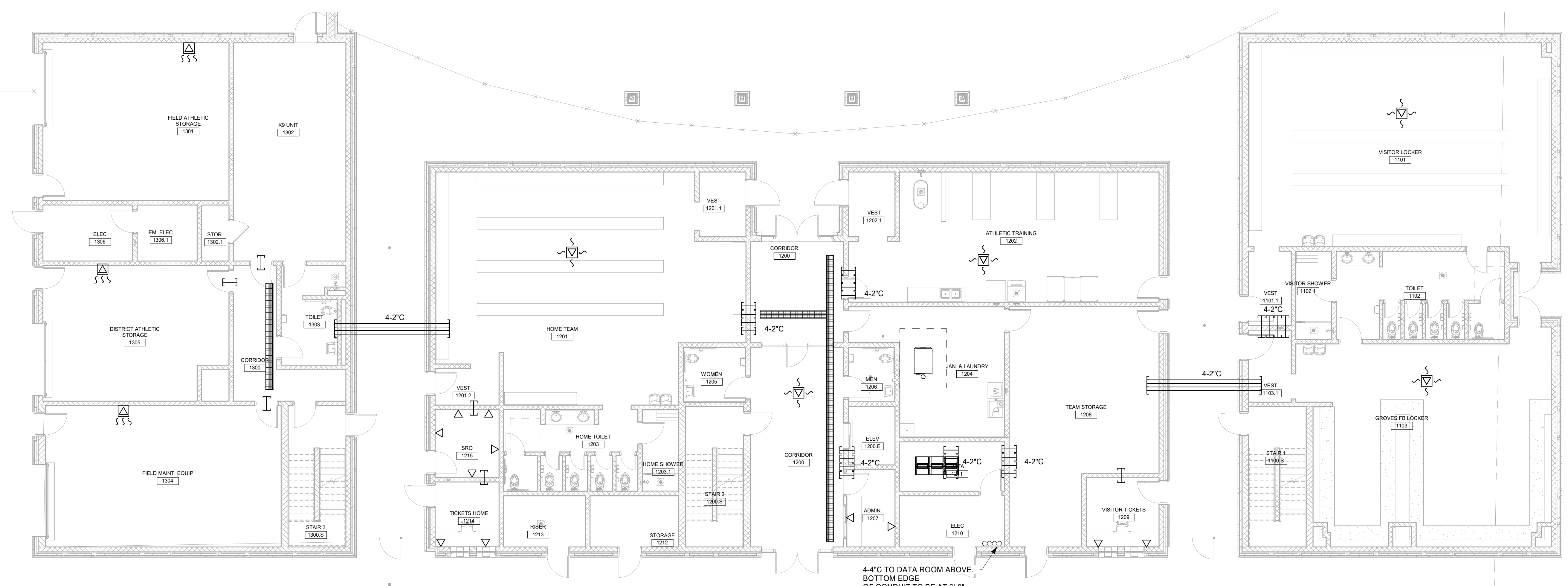
5 TELECOMMUNICATIONS GROUNDING BUSBAR (TGB)
NOT TO SCALE



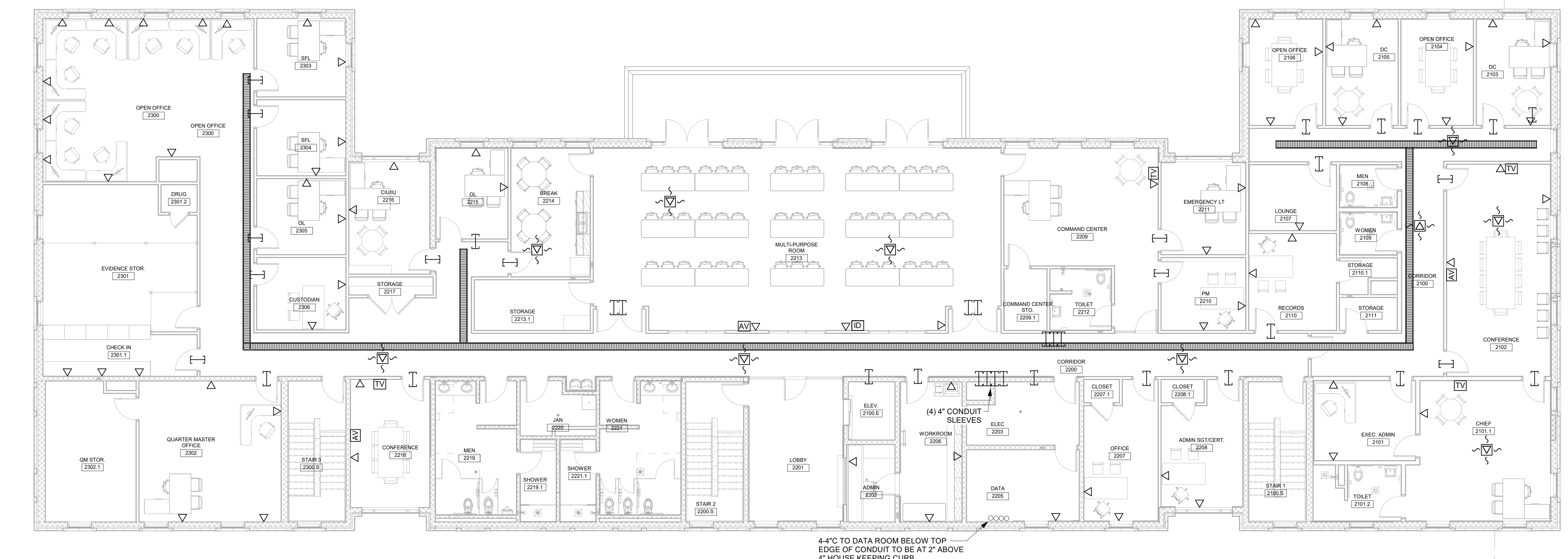
KEY NOTE LEGEND

(A) RECEPTACLES AS SHOWN.
(B) SEE TELECOMMUNICATIONS GROUND BAR DETAIL, THIS SHEET.
(C) PROVIDE No. 6 AWG GROUND WIRE TO EACH PIECE OF EQUIPMENT MOUNTED ON BACKBOARD.
(D) PROVIDE TELECOMMUNICATIONS BONDING CONDUCTOR. SEE TELECOMMUNICATIONS BONDING RISER DIAGRAM, SHEET LV-301.

6 BACKBOARD DETAIL
NOT TO SCALE



1 1ST FLOOR-CABLE MANAGEMENT PLAN - FIELDHOUSE
 1/8" = 1'-0"

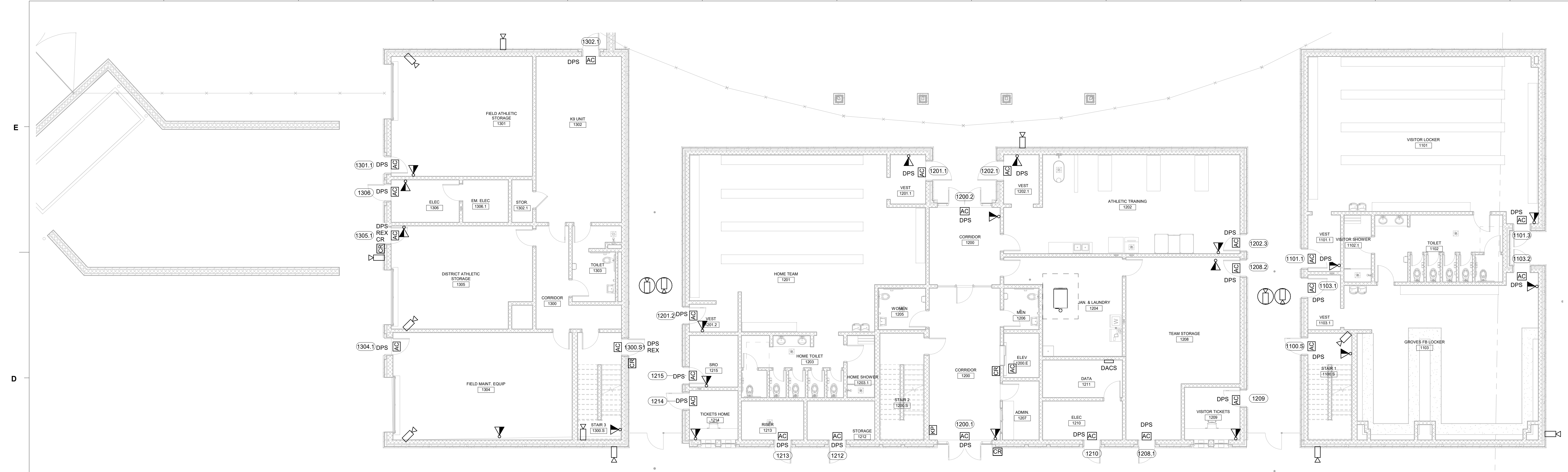


2 2ND FLOOR-CABLE MANAGEMENT PLAN - FIELDHOUSE
 1/8" = 1'-0"

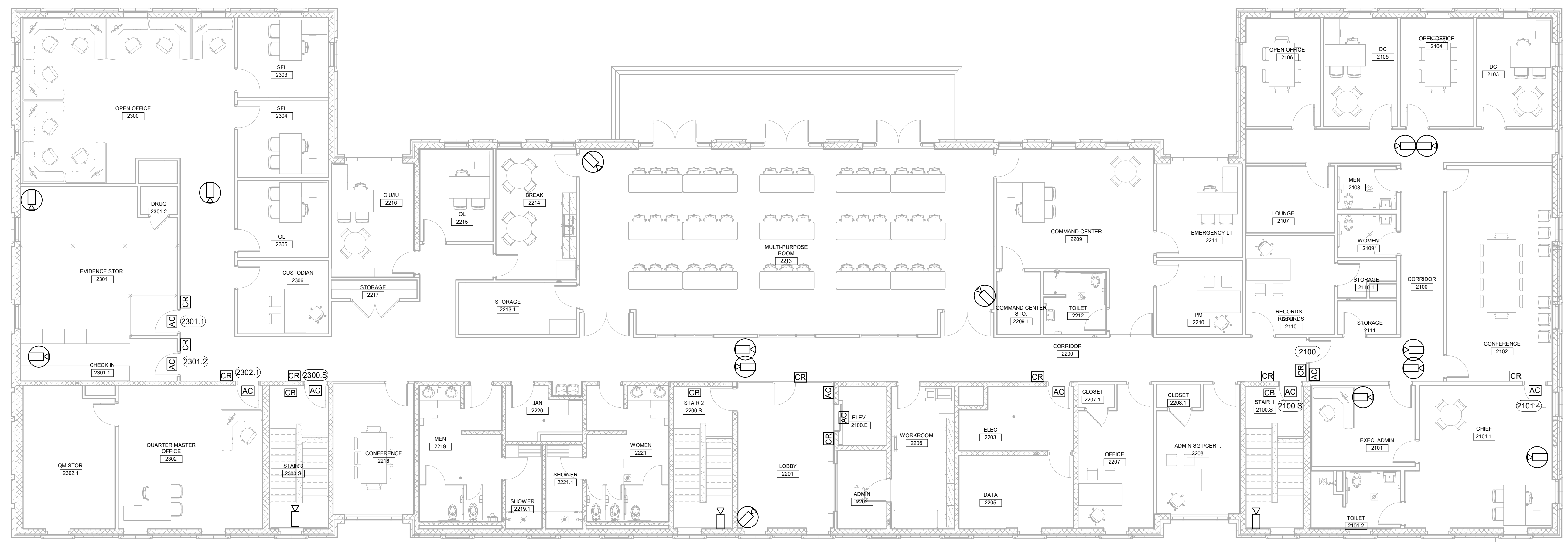
GENERAL NOTES

- A. PROVIDE J-HOOKS AND D-RINGS ABOVE CEILINGS IN ALL SPACES WITHOUT CABLE TRAY. NO LOW VOLTAGE CABLE SHALL BE SUPPORTED BY CEILING GRID OR STRUCTURE WITHOUT USE OF J-HOOK OR D-RING.
- B. IN OPEN STRUCTURE AREAS AND IN SPACES WITH NON-ACCESSIBLE CEILINGS, LOW VOLTAGE CABLING SHALL BE ROUTED IN CONDUIT TO CABLE TRAY.
- C. CONDUIT SLEEVES: PROVIDE NUMBER & SIZE INDICATED: (4)-2" FOR ALL LABS, (2)-2" FOR ALL CLASSROOMS, (1)-2" FOR ALL OFFICES AND OTHER SPACES, UNO.

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1 1ST FLOOR-SECURITY PLAN - FIELDHOUSE
 1/8" = 1'-0"



2 2ND FLOOR-SECURITY PLAN - FIELDHOUSE
 1/8" = 1'-0"

GENERAL NOTES

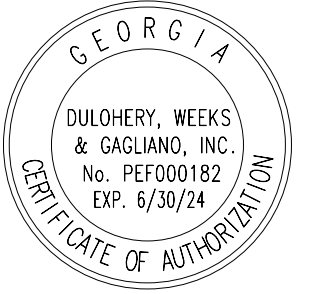
- A. CRITICAL COORDINATION NOTE: ACCESS CONTROL DOORS INDICATED ON THIS PLAN MAY NOT BE COMPLETE. THE CONTRACTOR IS REQUIRED TO REVIEW ALL ARCHITECTURAL, DOOR, AND ACCESS CONTROL SPECIFICATIONS AND PROVIDE ALL RACEWAY, WIRING AND ELECTRICAL CONNECTIONS REQUIRED FOR A COMPLETE OPERATIONAL ACCESS CONTROL SYSTEM.
- B. WHERE AN ACCESS CONTROL DEVICE IS NOT INDICATED ON THIS PLAN (OR IF A CIRCUIT NUMBER IS NOT INDICATED ON THE POWER PLAN) THE CONTRACTOR SHALL PROVIDE 120 VOLT, SINGLE PHASE ELECTRICAL CONNECTION TO THE NEAREST 120 VOLT, 20 AMP RECEPTACLE CIRCUIT.
- C. SEE "ACCESS CONTROL DOOR DETAIL" DETAIL 5, SHEET T-301. THIS DETAIL INDICATES POSSIBLE CONDUIT REQUIRED. THE CONTRACTOR SHALL PROVIDE CONDUIT FOR THE DEVICES SPECIFIED.

PROJECT: 5201-192070
 DATE: 05/12/2023
 DRAWN BY: GJC
 CHECKED BY: WOW

SECURITY SYSTEMS - FIELDHOUSE

T-201

B:\360\5201-192070\SCCPSS NEW K-12 ATHLETICS\ELEC_GrovesK12_Fieldhouse_v2020.rvt
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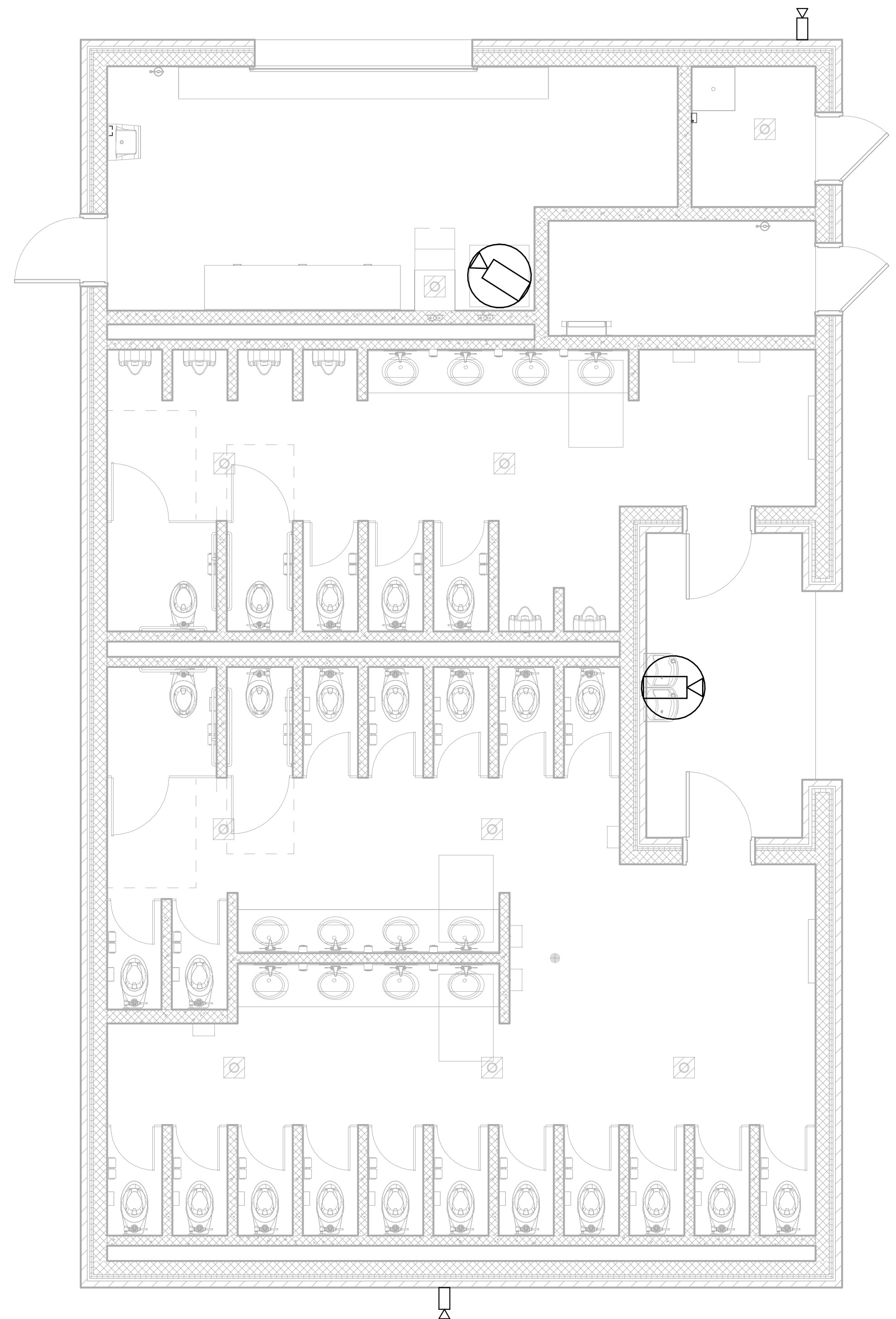
REVISIONS:

No.	Description	Date

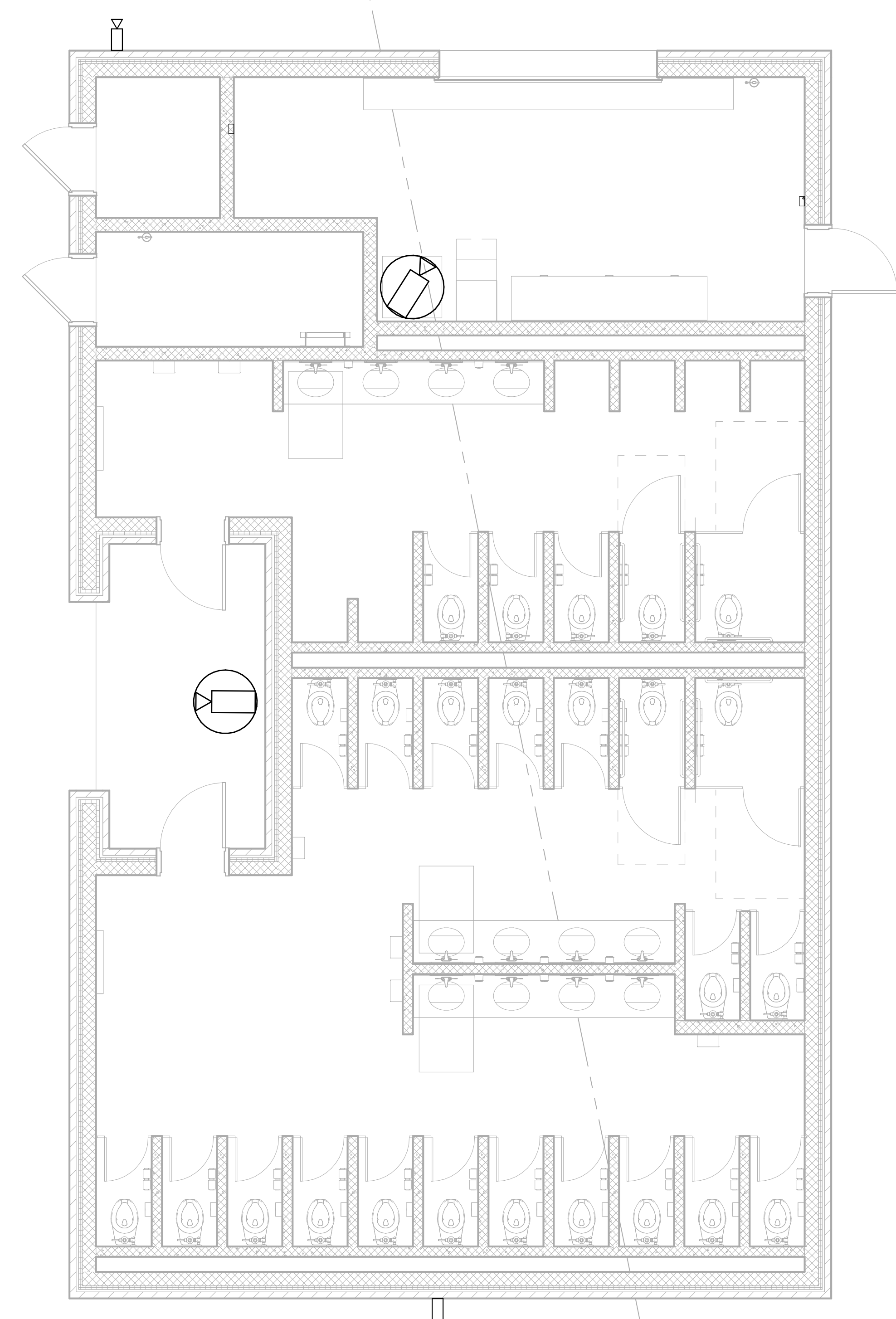
PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: GJC
CHECKED BY: WOW

SECURITY
SYSTEMS -
RESTROOM /
CONCESSIONS

T-202

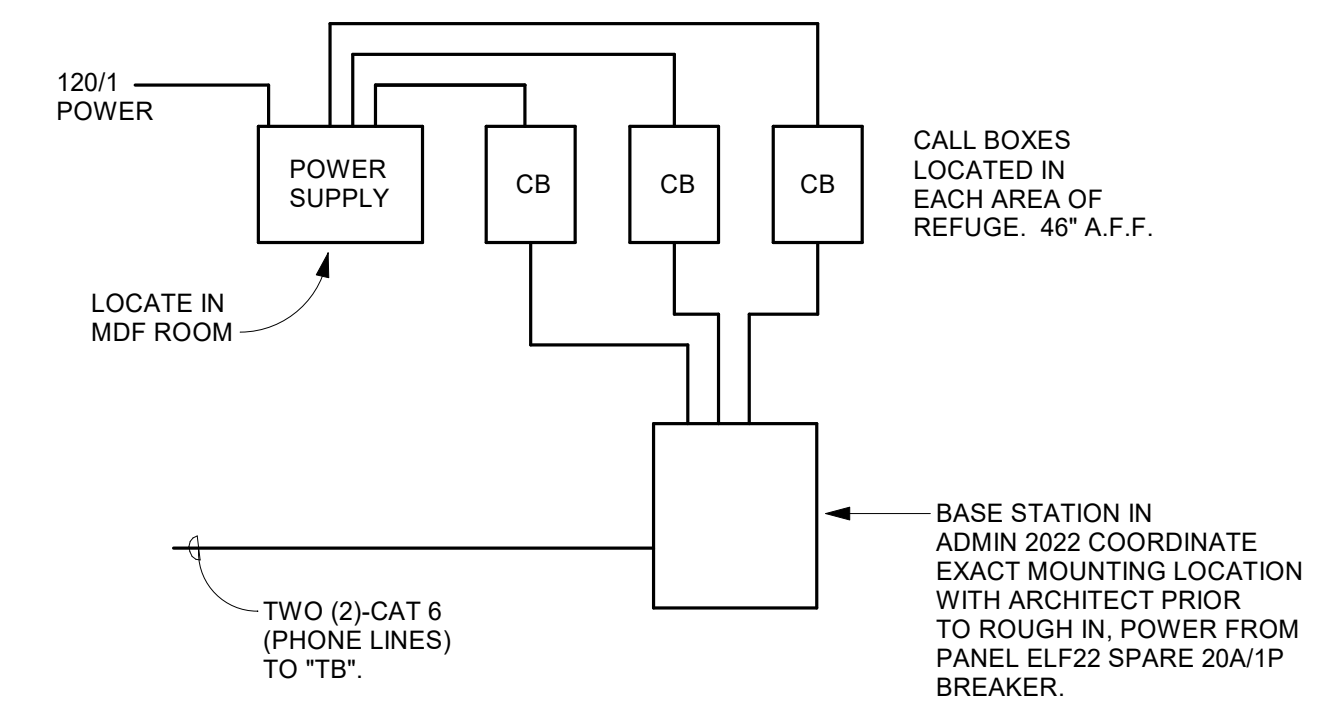


1 1ST FLOOR-SECURITY PLAN - HOME RESTROOMS
1/4" = 1'-0"



2 1ST FLOOR-SECURITY PLAN - VISITOR RESTROOMS
1/4" = 1'-0"

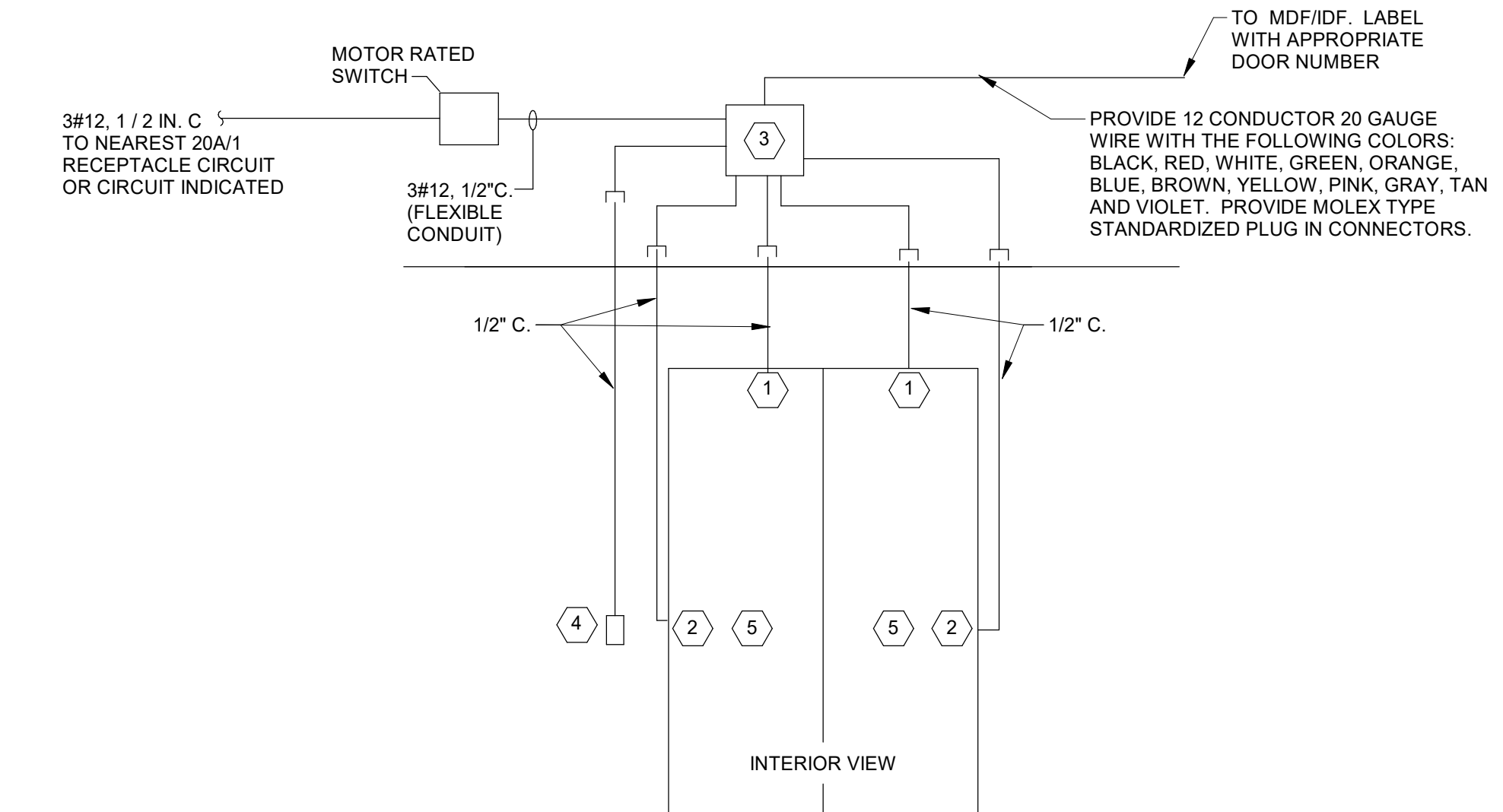
B:\192070\5201-192070\SCCPSS NEW K-12 ATHLETICSELEC_GrovesK12_Fieldhouse_v2020.rvt
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6 AREA OF REFUGE ASSISTANCE - TWO WAY COMMUNICATION SYSTEM
NOT TO SCALE

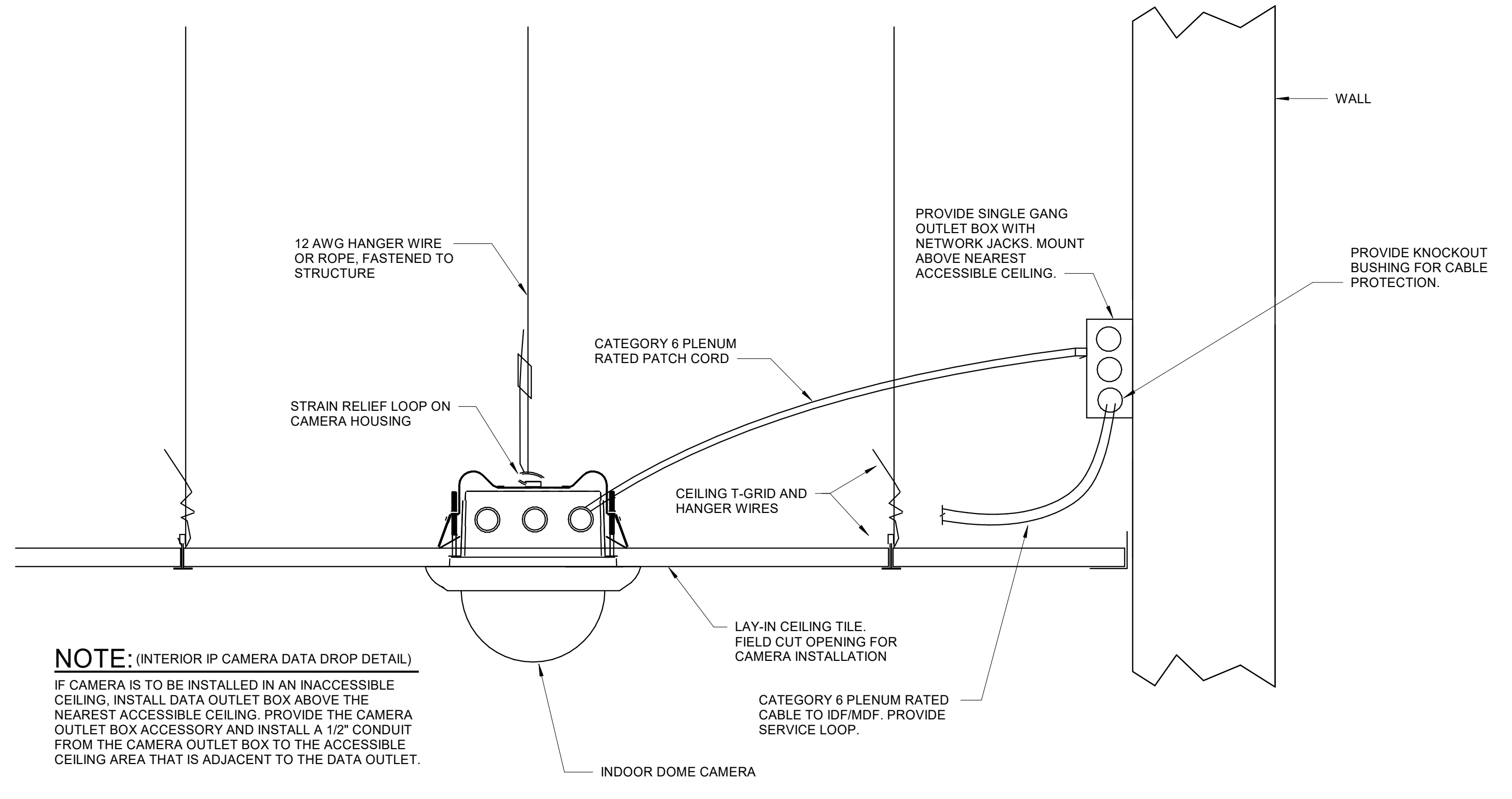
NOTES: (ACCESS CONTROL CONNECTIONS)

- 1 DOOR POSITION SWITCH.
- 2 CURRENT TRANSFER HINGE
- 3 POWER SUPPLY.
- 4 CARD READER.
- 5 DELAYED EGRESS SYSTEM - NORMALLY CLOSED FIRE ALARM RELAY REQUIRED, PLUG/PLAY. NORMALLY CLOSED FIRE ALARM RELAY REQUIRED FOR THE DELAYED EGRESS APPLICATION.

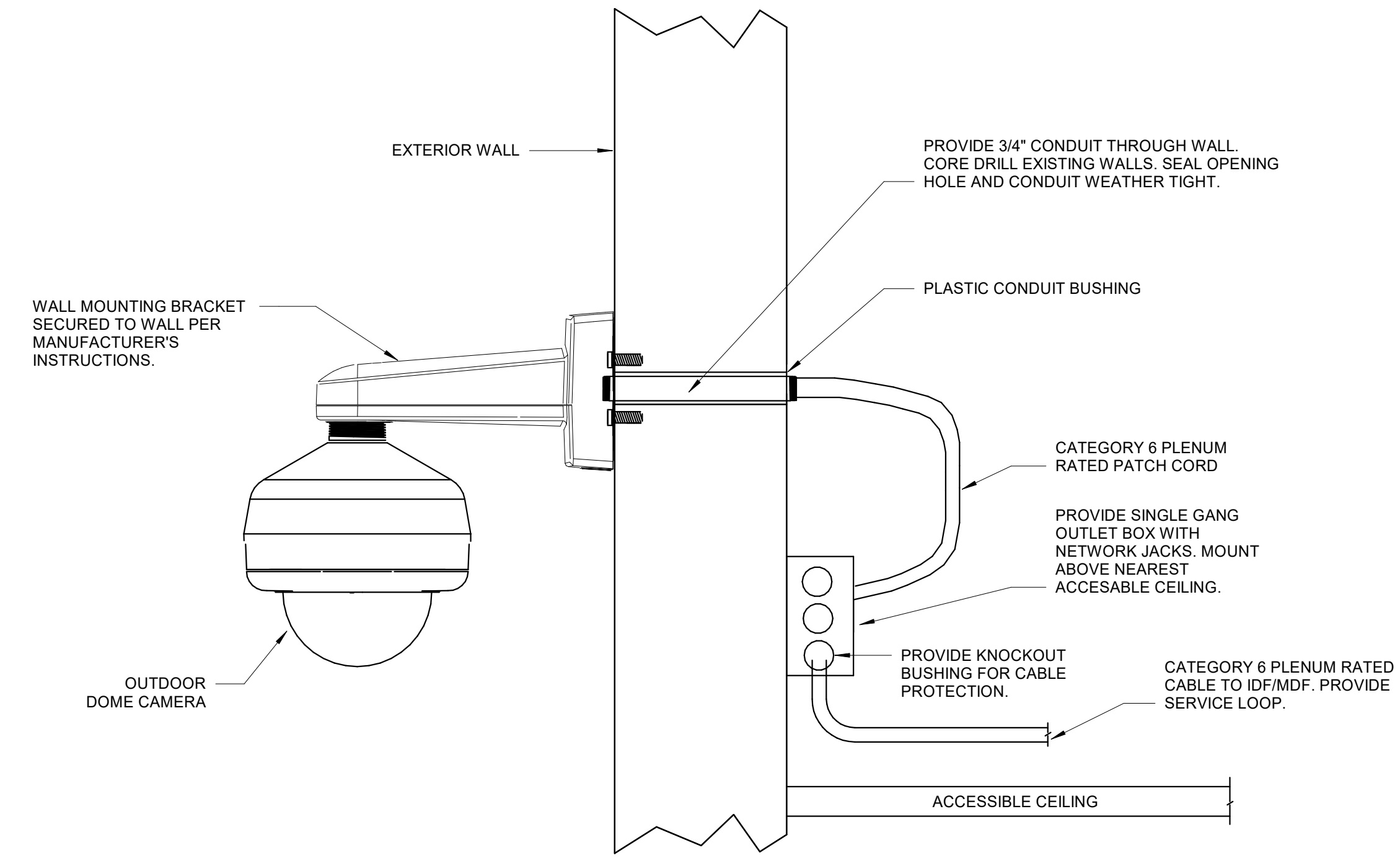


THIS DRAWING IS INTENDED TO INDICATE CONDUIT INFRASTRUCTURE REQUIREMENT. COORDINATE EXACT REQUIRED COMPONENTS WITH ARCHITECTURAL DOOR SPECIFICATIONS. PROVIDE ALL CONDUIT, WIRING, AND BOXES FOR COMPLETE ACCESS CONTROL INSTALLATION.

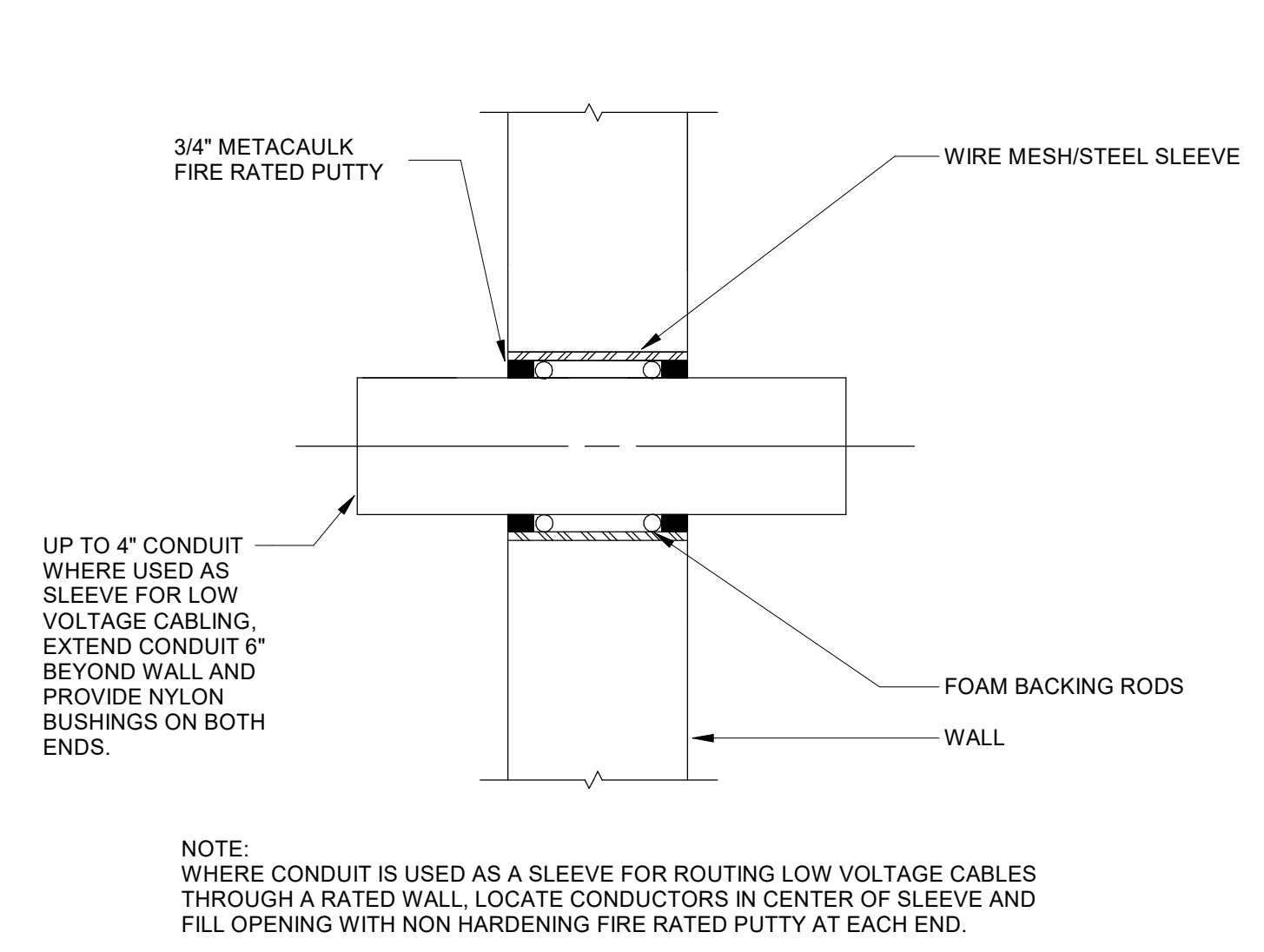
5 ACCESS CONTROL DOOR DETAIL
NOT TO SCALE



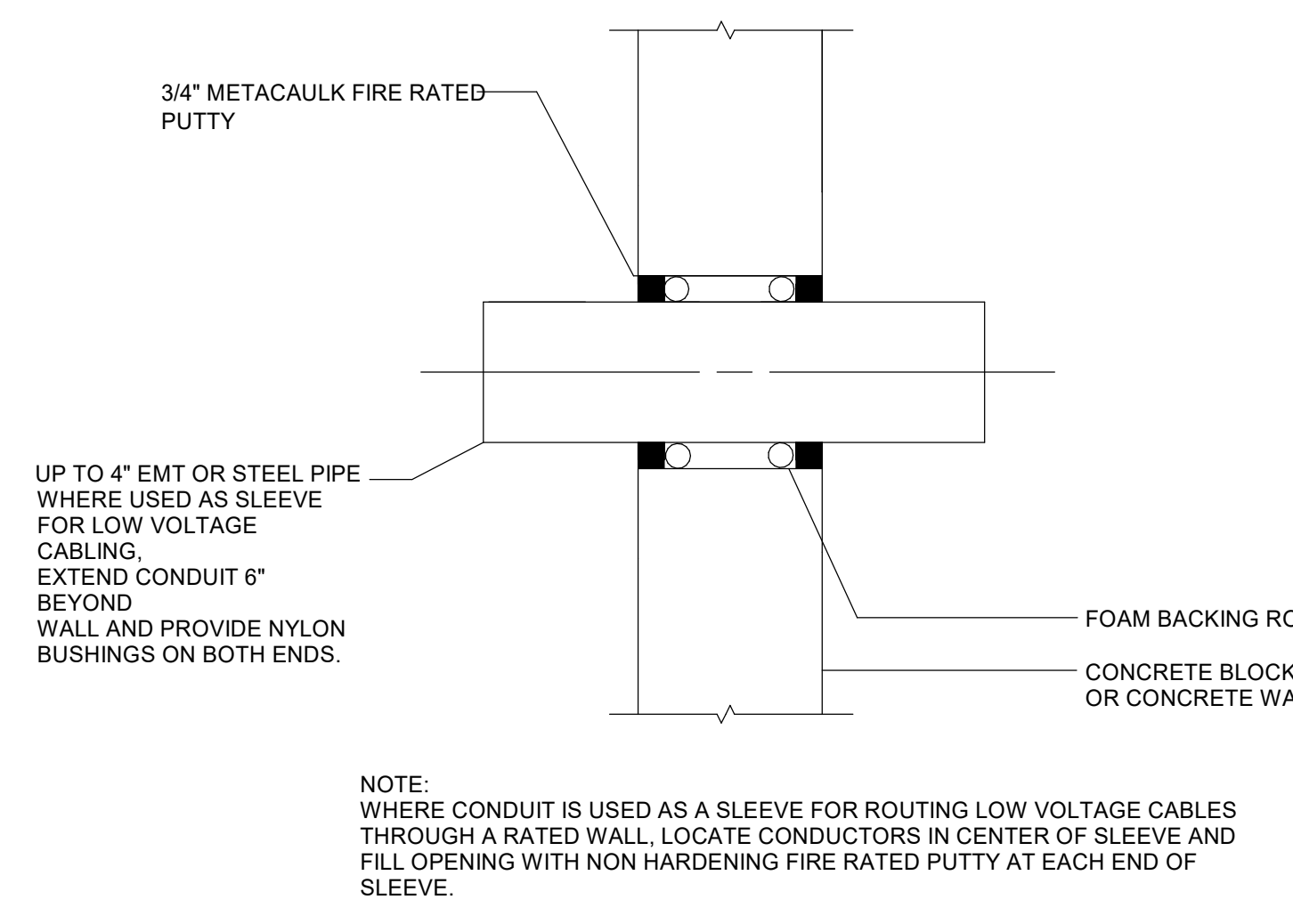
1 INTERIOR IP CAMERA DATA DROP
NO SCALE



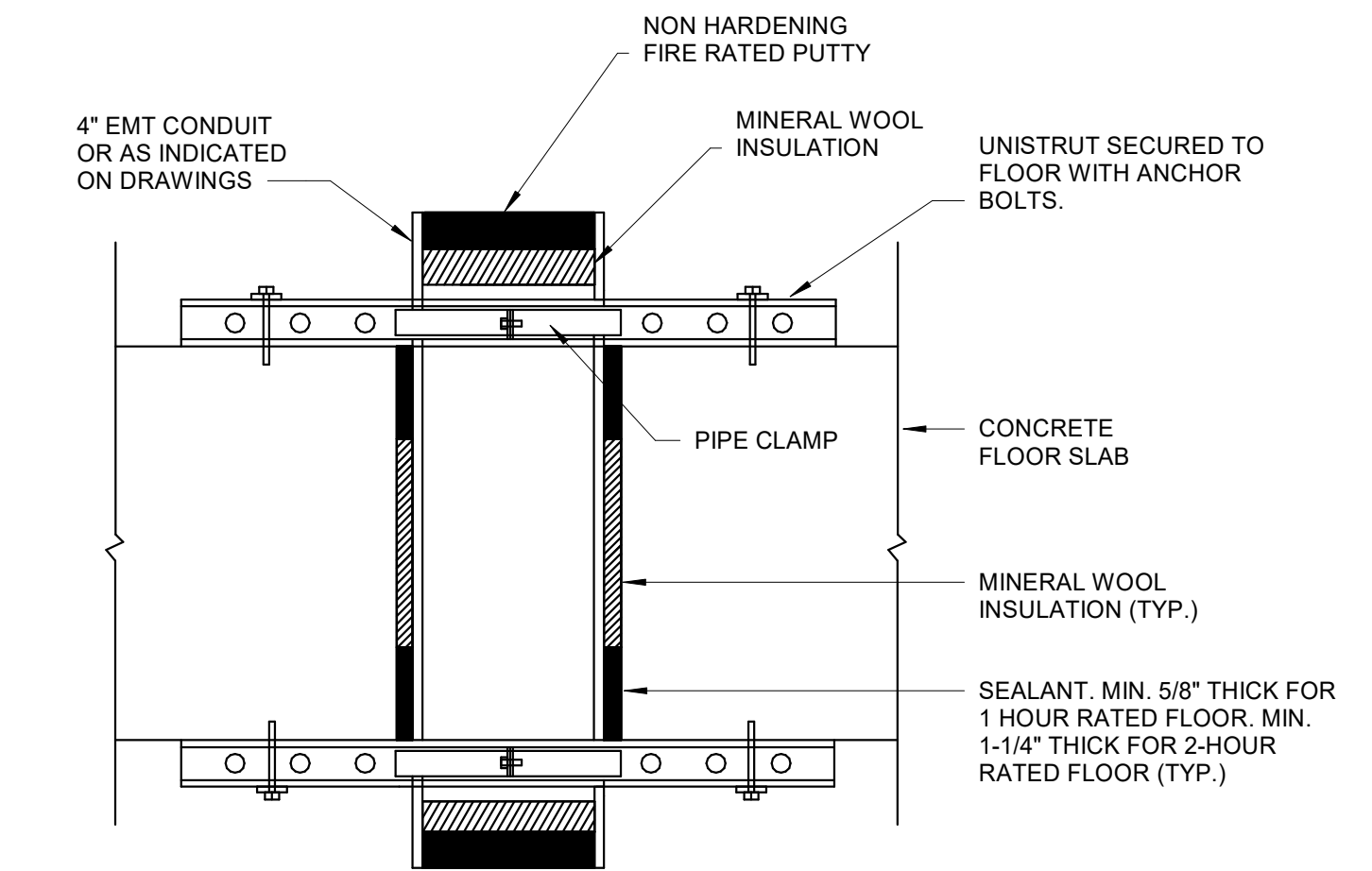
2 EXTERIOR IP CAMERA DATA DROP
NO SCALE



3 GYPSUM WALLBOARD PENETRATION
NOT TO SCALE

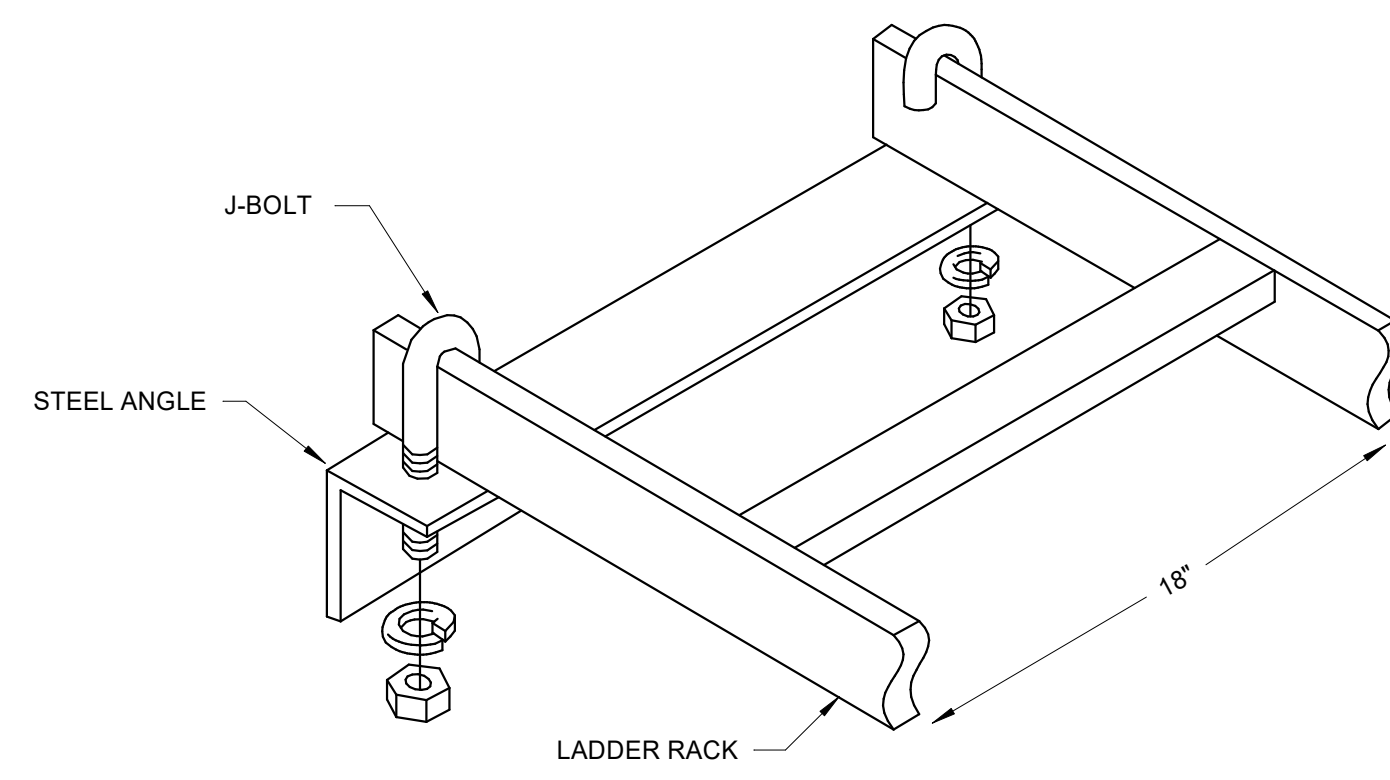


4 CONCRETE WALL PENETRATION
NOT TO SCALE

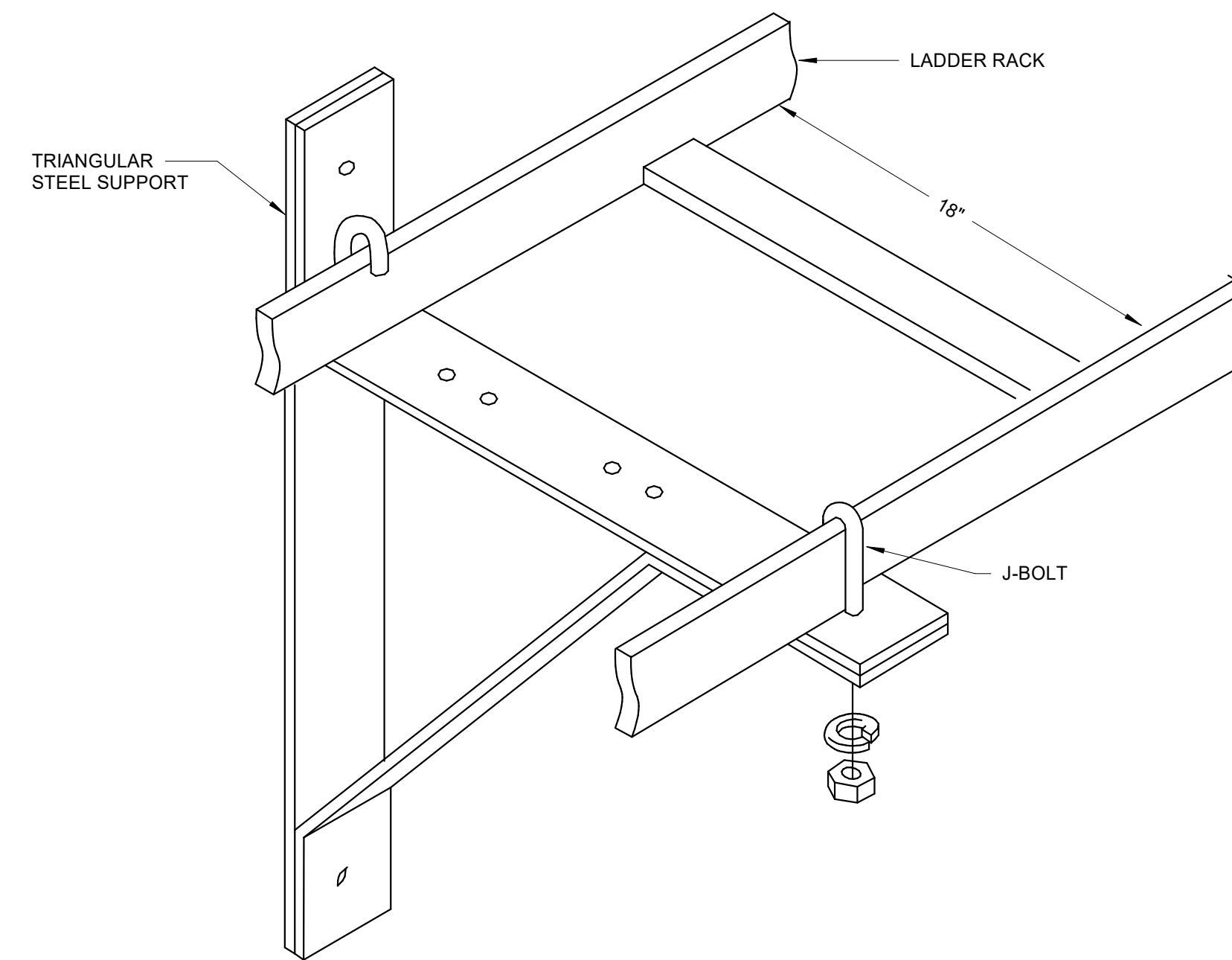


7 SLEEVE THROUGH FIRE RATED FLOOR
NO SCALE

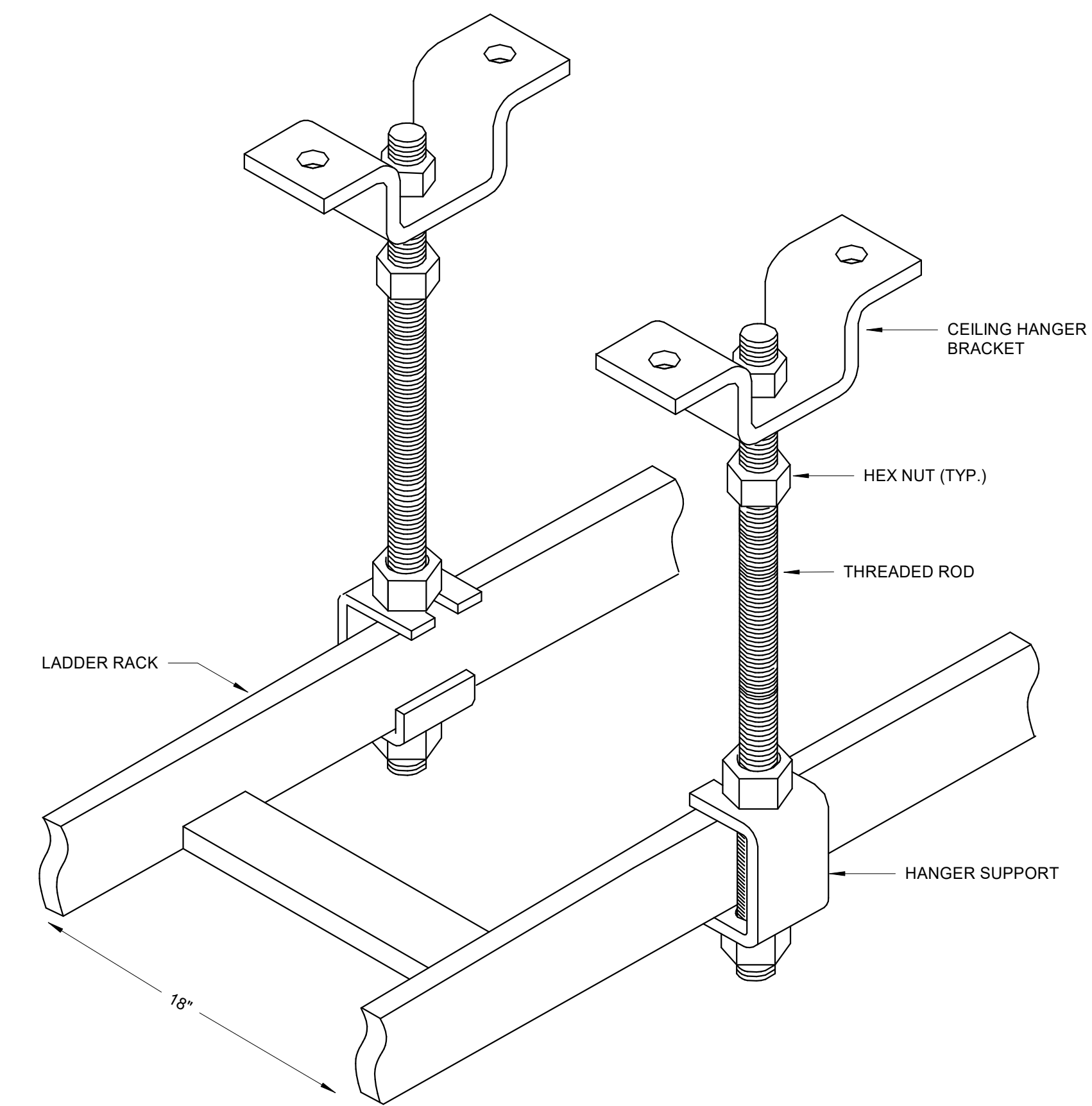
No.	Description	Date
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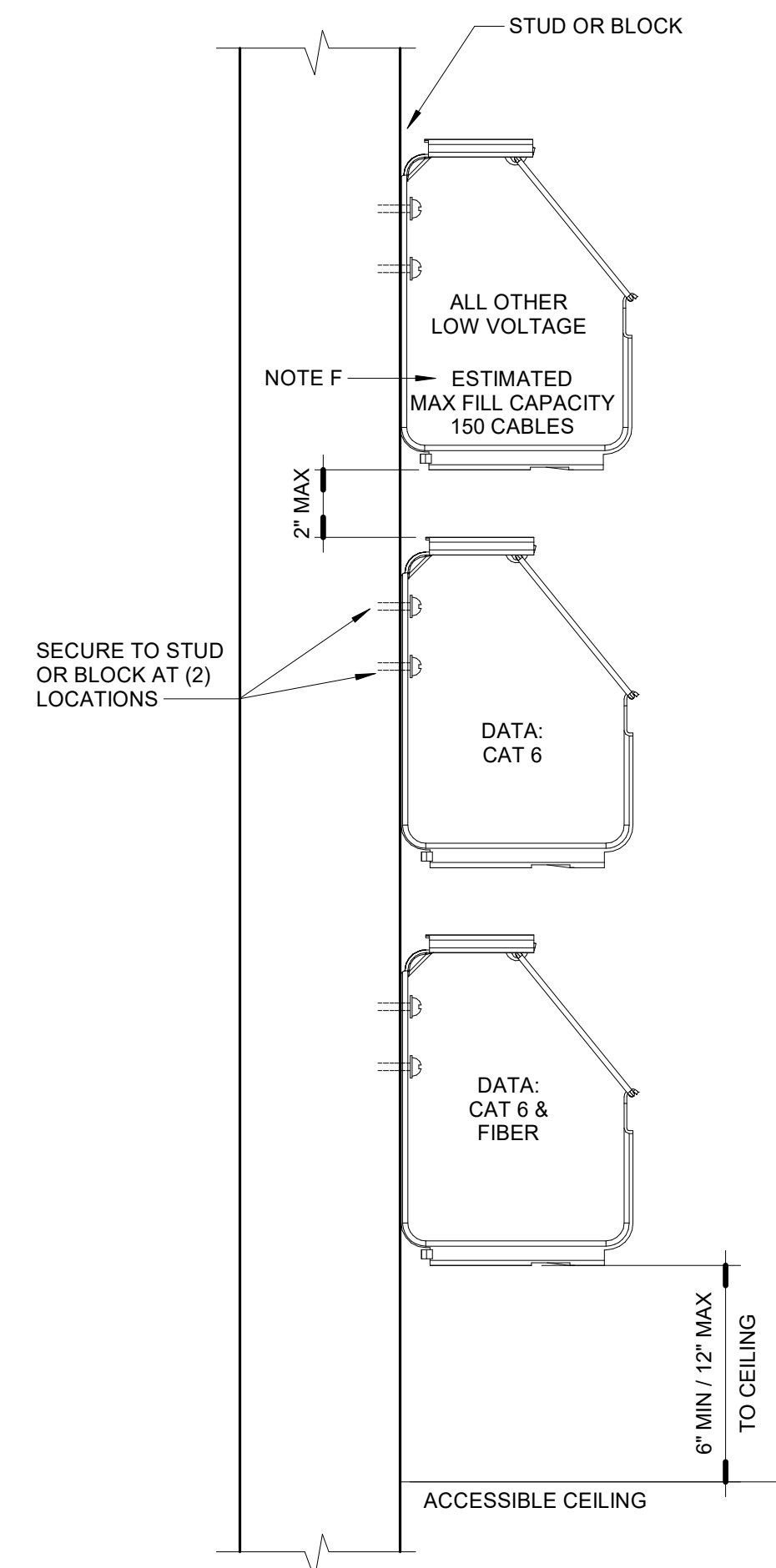
1 LADDER RACK WALL ANGLE SUPPORT1
NO SCALE



2 LADDER RACK TRIANGULAR WALL SUPPORT1
NO SCALE



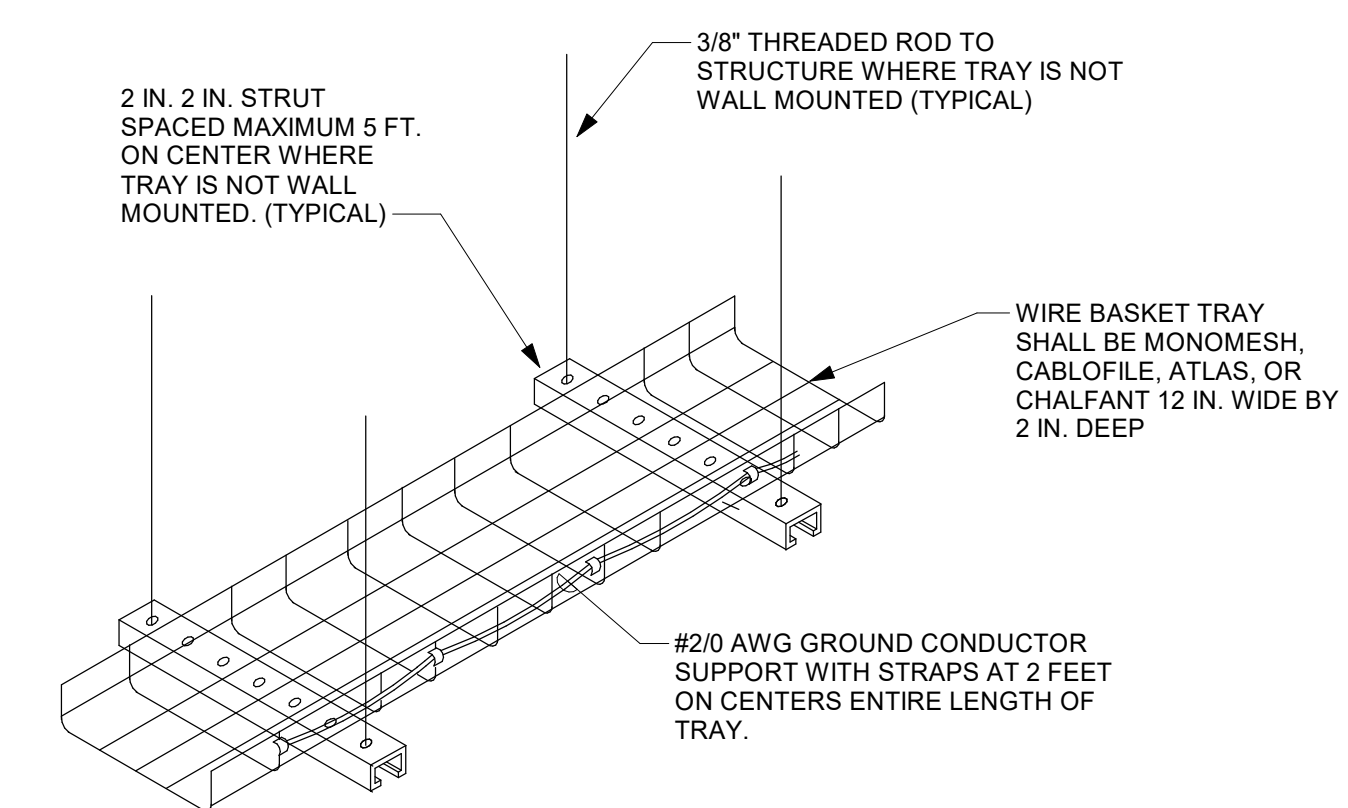
3 LADDER RACK CEILING SUPPORT1
NO SCALE



4 CABLE HANGER DETAIL
NOT TO SCALE

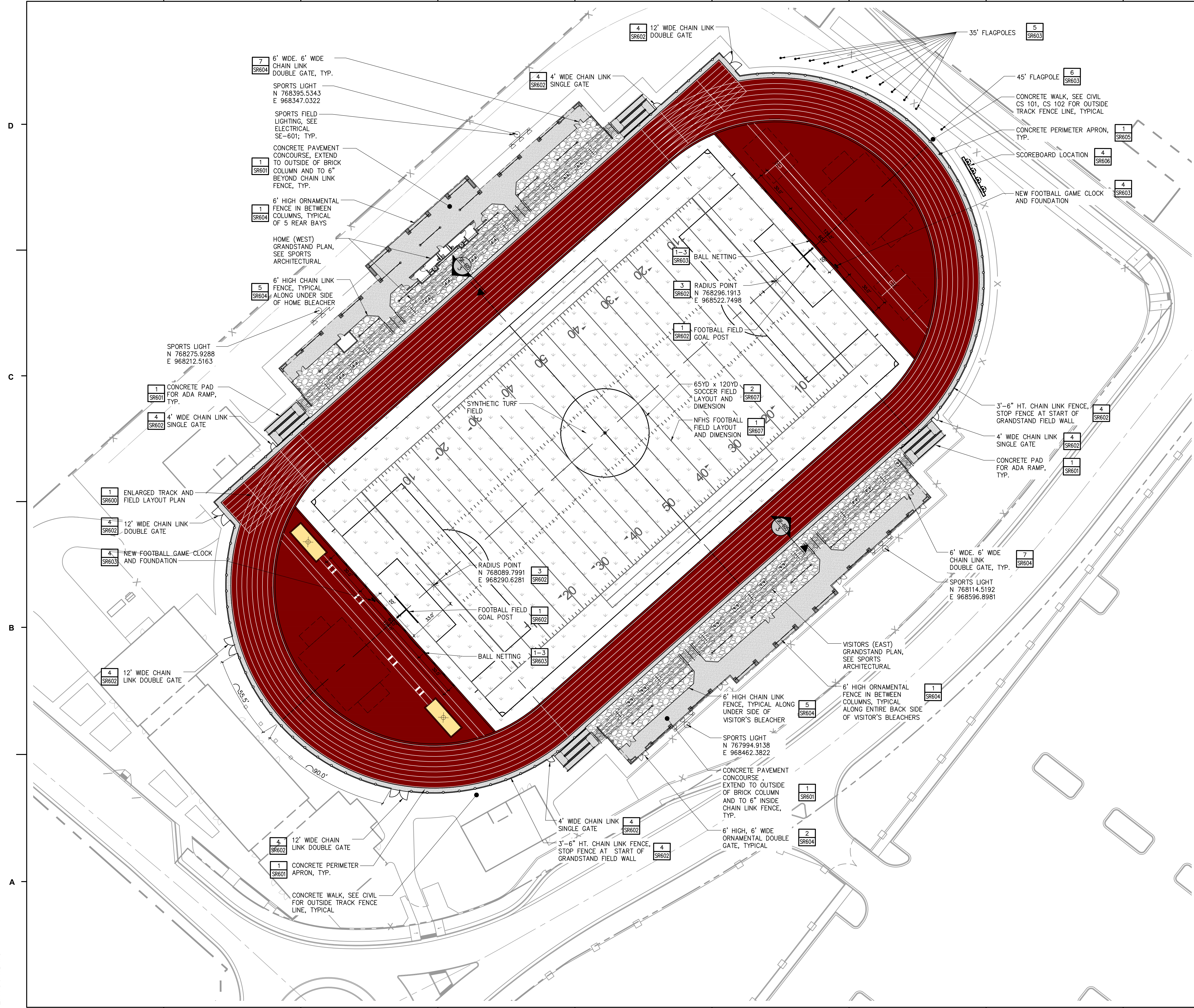
NOTES: CABLE HANGER DETAIL

- A. J-HOOKS SHALL ONLY BE USED WHERE NECESSARY IN AREAS WITHOUT CABLE TRAY.
- B. MONO-SYSTEMS, INC. MODELS H-433-S STEEL CABLE HANGERS. MOUNT ON STUD/WALL AS SHOWN.
- C. LOW VOLTAGE SYSTEM CABLING INCLUDING SECURITY / CCTV SYSTEMS, DATA, CATV, AND SOUND SYSTEMS.
- D. HANGERS SHALL BE MOUNTED MAXIMUM 3' APART AND NO MORE THAN 12' FROM CONDUIT SLEEVE ENTIRE LENGTH OF HOMERUNS. WHERE SINGLE CABLES CROSS CORRIDOR. SUSPEND FROM STRUCTURE USING PLENUM RATED CABLE TIES.
- E. APPROVED EQUAL PRODUCTS AS MANUFACTURED BY ATLAS, ERICO, PANDUIT, OR SOUTHERN SPECIALTIES ARE ACCEPTABLE.
- F. PROVIDE ALL NECESSARY MOUNTING HARDWARE. HARDWARE SHALL BE AS RECOMMENDED BY MANUFACTURER FOR LOCATION WHERE INSTALLED.
- G. DO NOT EXCEED MAX FILL CAPACITY OR WEIGHT RESTRICTION OF MANUFACTURER UTILIZED. ESTIMATED MAX FILL INDICATED IS BASED ON OUTSIDE DIAMETER OF TYPICAL CABLE FOR MONOSYSTEMS H-433-S.
- H. COORDINATE THE EXACT LEVEL OF J-HOOKS AND CONDUIT SLEEVES WITH OTHER TRADES PRIOR TO ROUGHING.
- I. CONDUIT SLEEVES SHALL BE AT THE SAME LEVEL AS THE ROWS OF J-HOOKS. FIRE SEAL AROUND ALL CONDUIT SLEEVES AS SHOWN IN CONDUIT PENETRATION DETAILS. SEE ARCHITECTURAL SHEET FOR REQUIRED RATINGS.
- J. J-HOOKS SHALL NOT BE SUPPORTED BY GYPSUM WALL BOARD. J-HOOKS SHALL BE SUPPORTED BY BLOCK WALL OR STUD. SEE ARCHITECTURAL PLAN FOR WALL MATERIALS.



5 WIRE BASKET CABLE TRAY DETAIL
NOT TO SCALE

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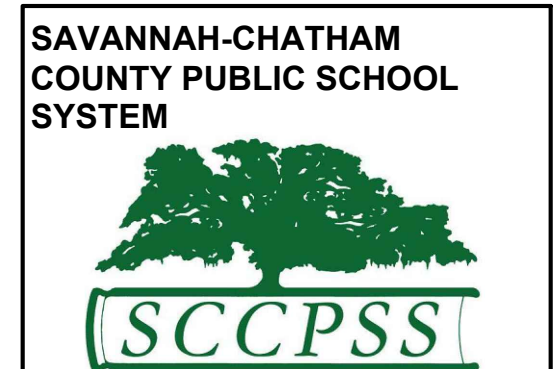


LEGEND

- FIELD MIDLINE / CENTERLINE
- CHAINLINK FENCE AND GATE
- BALL NETTING
- CONCRETE PAVEMENT
- SYNTHETIC TURF (N.I.C., OWNER PROVIDED)
- TRACK SURFACING (N.I.C., OWNER PROVIDED)
- TRACK LONG JUMP SAND (N.I.C., OWNER PROVIDED)
- MEDIUM WHITE RIVER ROCK

NOTES

1. SEE CIVIL LAYOUT DRAWINGS FOR COORDINATION OF WORK WITH GENERAL SITE LAYOUT, PAVING, UTILITIES, AND ALL OTHER CONDITIONS OUTSIDE OF PLAYING FIELD.
2. VERIFY ALL SITE CONDITIONS AND DIMENSIONS SHOWN ON THE PLANS PRIOR TO COMMENCEMENT OF WORK. NOTIFY OWNER AND ITS REPRESENTATIVES OF ANY DISCREPANCIES OR IRREGULAR CONDITIONS.
3. TRACK OVAL 8 X 42" LANES WITH 110'-0" RADIUS TO MEASURE LINE.
4. POLE VAULT BOX DIMENSIONS ARE TO THE BACK CENTER OF THE BOX.
5. RADIUS POINT DIMENSIONS ARE TO CENTER OF POINT.
6. ALL OTHER DIMENSIONS ARE TO EDGE OF CONCRETE.
7. FOOTBALL DIMENSIONS ARE TO THE OUTSIDE OF LINES, EXCEPT FOR CENTERLINES.
8. SOCCER FIELD DIMENSIONS ARE TO THE INSIDE OF LINES, EXCEPT FOR CENTERLINES.
9. FIELD DIMENSIONS ARE SYMMETRICAL ABOUT CENTERLINES AND MIDLINES UNLESS OTHERWISE NOTED.



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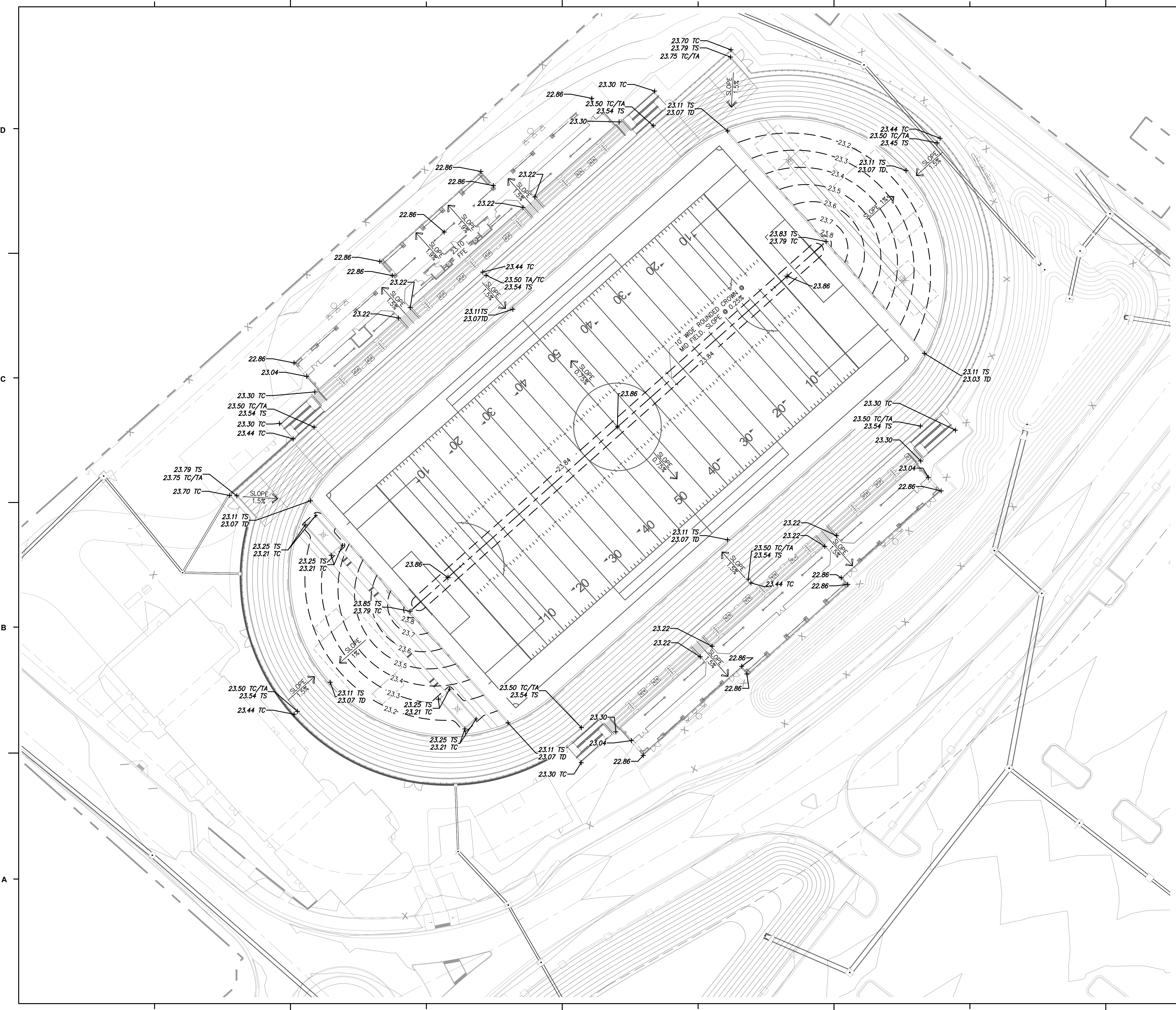
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STADIUM TRACK AND FIELD LAYOUT
SR-101



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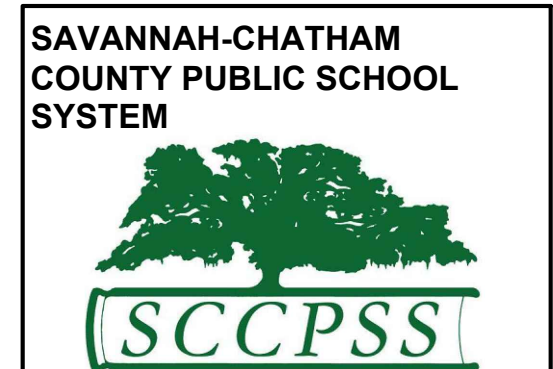
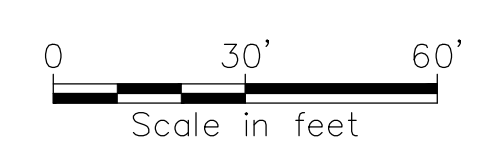


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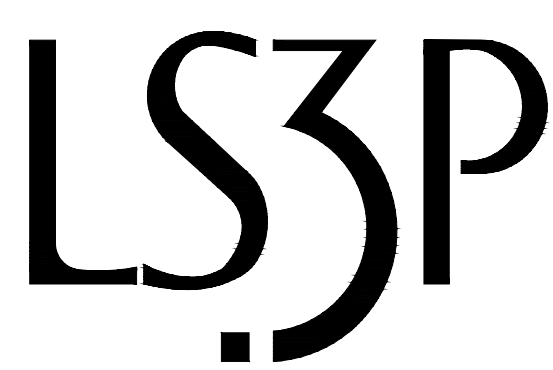
- 190 — MAJOR CONTOUR
- 191 — MINOR CONTOUR
- - - RIDGELINE
- ← 0.5% SLOPE DIRECTION
- 191.35 — X SPOT ELEVATION
- TS TOP OF SURFACE
- TC TOP OF CONCRETE
- TA TOP OF ASPHALT
- TD TOP OF DRAIN

NOTES

1. FINISH GRADES TO MIRROR THAT OF THE FINISH SUBGRADE.
2. PROPOSED GRADES SHALL BLEND SMOOTHLY WITH ADJACENT PROPOSED ELEVATIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK.
4. GRADE FIELD TO A SMOOTH, EVEN PLAYING SURFACE TO THE SPOT ELEVATIONS AND CONTOURS SHOWN USING LASER OPERATED EQUIPMENT.
5. FINISH GRADES AND SPOT ELEVATIONS REPRESENT ELEVATIONS AFTER FIELD IS COMPLETED PER SPECIFICATIONS.
6. THE CONTRACTOR SHALL STAKE OUT ALL GRADES IN THE FIELD PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES. THE ENGINEER SHALL APPROVE STAKED GRADES.
7. PROTECT EXISTING UTILITIES, DRAINAGE STRUCTURES, AND FENCES FROM DAMAGE DURING GRADING.
8. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO COORDINATE THE PROTECTION OF DRAINAGE STRUCTURES AND DRAINAGE WAYS WITHIN THE PLAYING FIELD PROJECT AREA. RE: EROSION CONTROL PLAN FOR THE ENTIRE WORK SITE.



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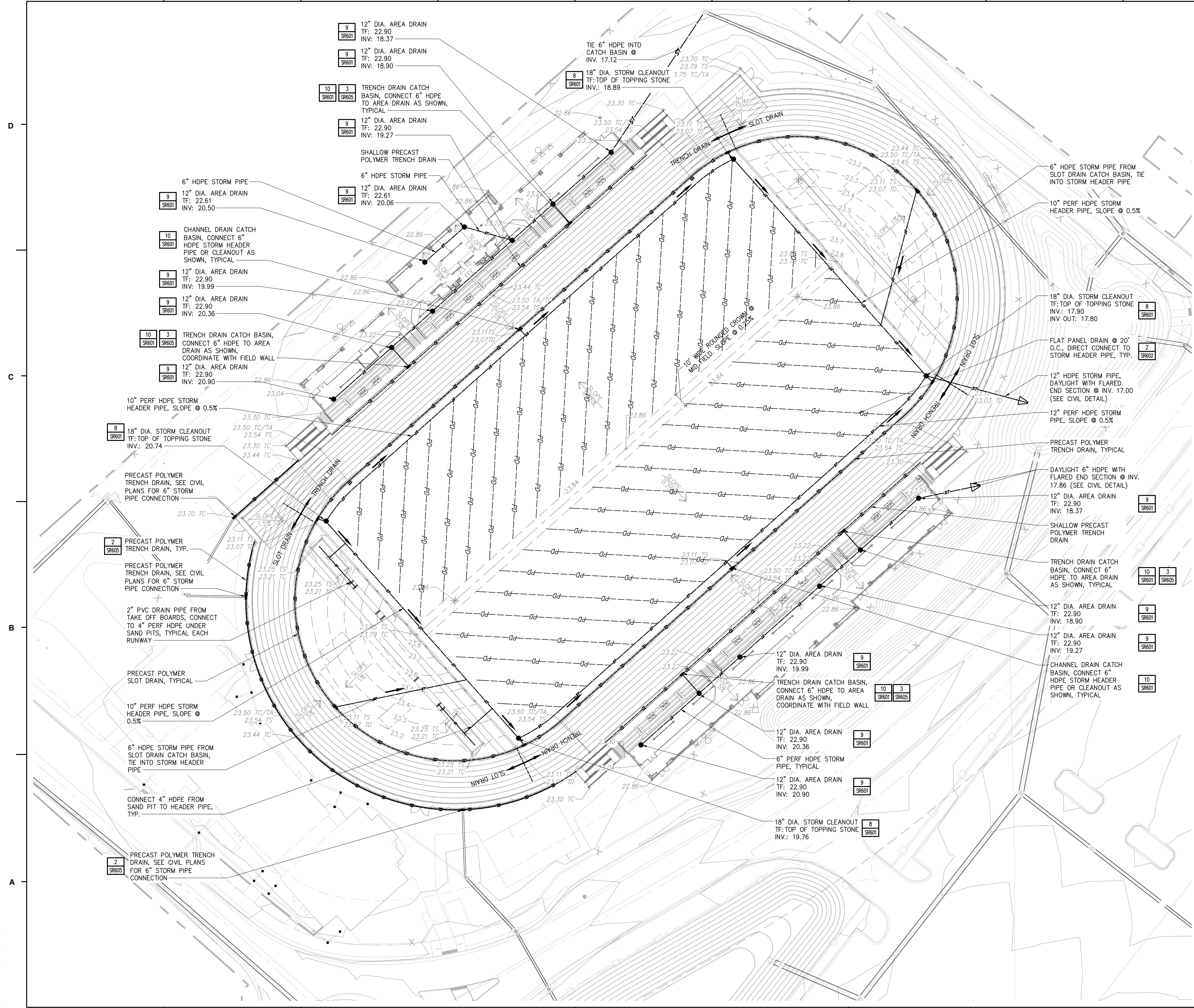
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STADIUM TRACK AND FIELD GRADING PLAN
SR-201

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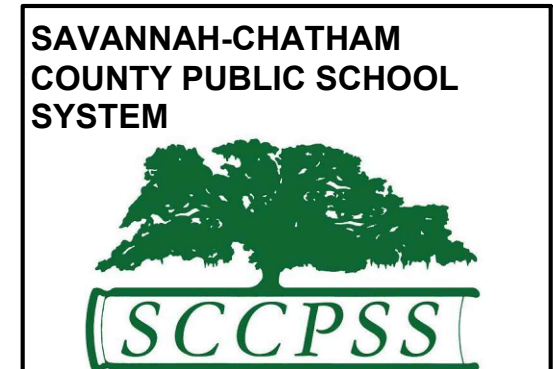


LEGEND

- PERFORATED UNDERDRAIN
- STORM DRAIN PIPE
- PANEL DRAIN
- TRENCH DRAIN
- SLOT DRAIN
- DRAIN BASIN

NOTES

1. PERIMETER COLLECTOR PIPE TO BE HDPE, SIZED AS SHOWN.
2. FIELD COLLECTOR AND PANEL DRAINS TO SLOPE AS INDICATED.
3. GEOTEXTILE FABRIC TO BE PLACED AT BOTTOM AND SIDES OF COLLECTOR PIPE.
4. ALL ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS NOTED OTHERWISE.
5. PLAYING FIELD CONTRACTOR TO COORDINATE AND BE AWARE OF SITE STORM PIPING AND STRUCTURES WITHIN THE CONSTRUCTION BOUNDARIES AS SHOWN ON THE DRAWINGS.
6. CONTRACTOR TO PROTECT DRAINAGE LINES DURING CONSTRUCTION FROM DEBRIS, INCLUDING SOIL OR GRAVEL MATERIAL OR OTHER TRASH FROM ENTERING OR BLOCKING LINES.
7. CONTRACTOR TO AVOID TRAFFIC OVER INSTALLED DRAINAGE TRENCHES TO PREVENT CRUSHING OF PIPE.
8. COLLECTOR LINE TO BE LOCATED FROM EDGE OF PLAYING FIELD AND AS SHOWN ON DRAWINGS.
9. COORDINATE DRAINAGE CONNECTION AND INVERTS WITH EXISTING, IN-PLACE CONDITIONS.
10. CONTRACTOR SHALL CONTACT ENGINEER IMMEDIATELY IF DISCREPANCIES ARE FOUND IN FIELD.
11. SEE CIVIL FOR SITE DRAINAGE PLANS OUTSIDE OF PLAYING FIELD.



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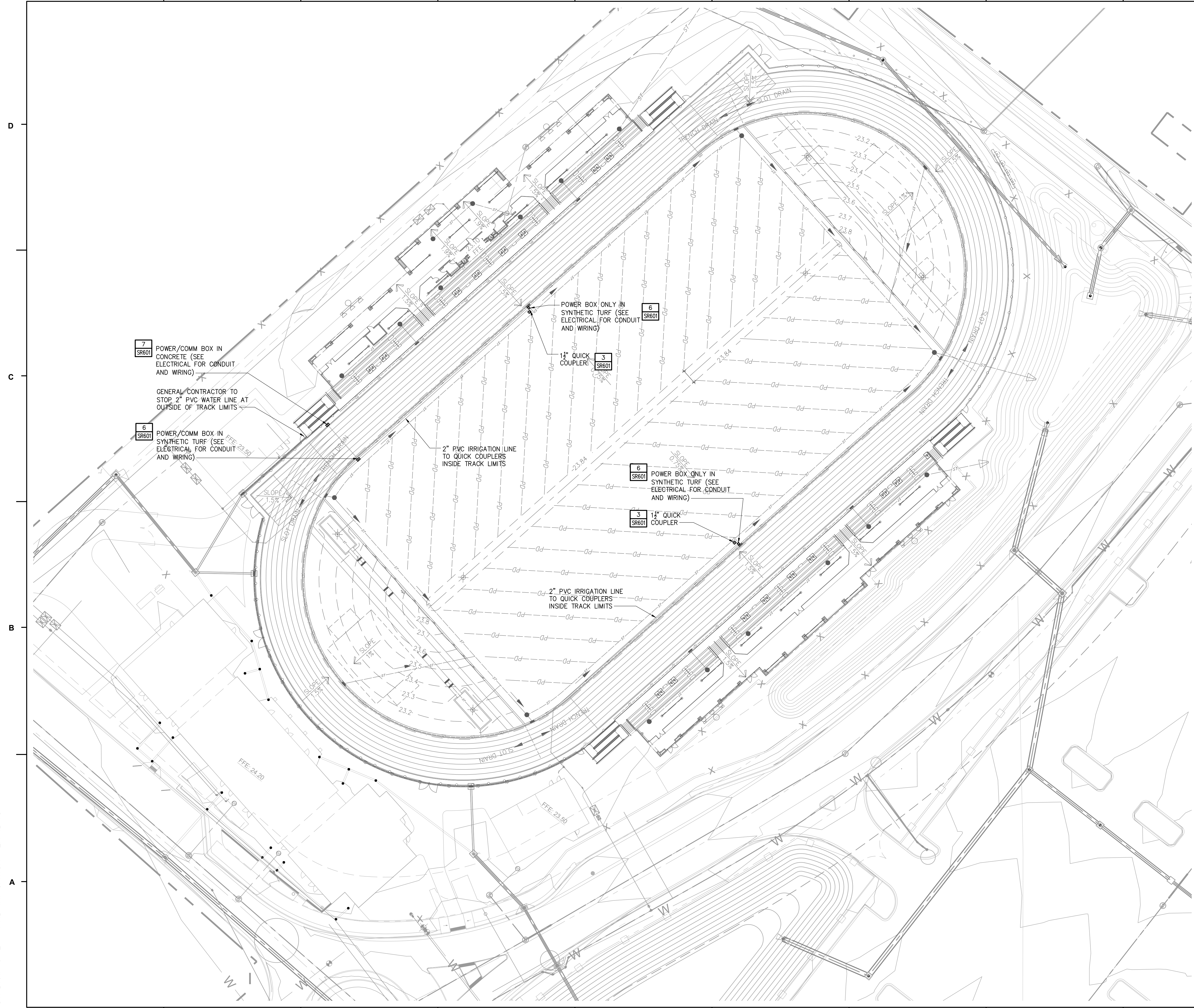
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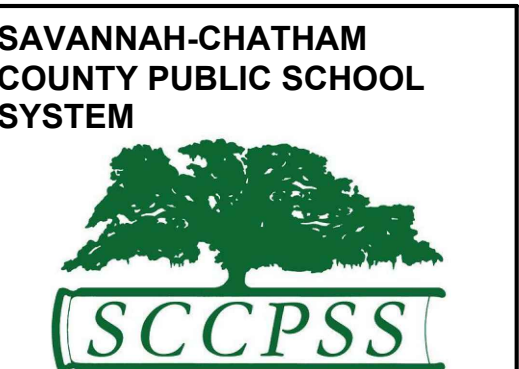
PROJECT: 5201-192070
DATE: 05/12/2023
DRAWN BY: TM
CHECKED BY: PG

STADIUM TRACK AND FIELD DRAINAGE PLAN
SR-301

\\CHA-LLP.COM\PROJ\PROJECTS\ANY\K5\057159.000\CADD\ACAD\SR-501 STADIUM UTILITY AND IRRIGATION PLAN.DWG



LEGEND



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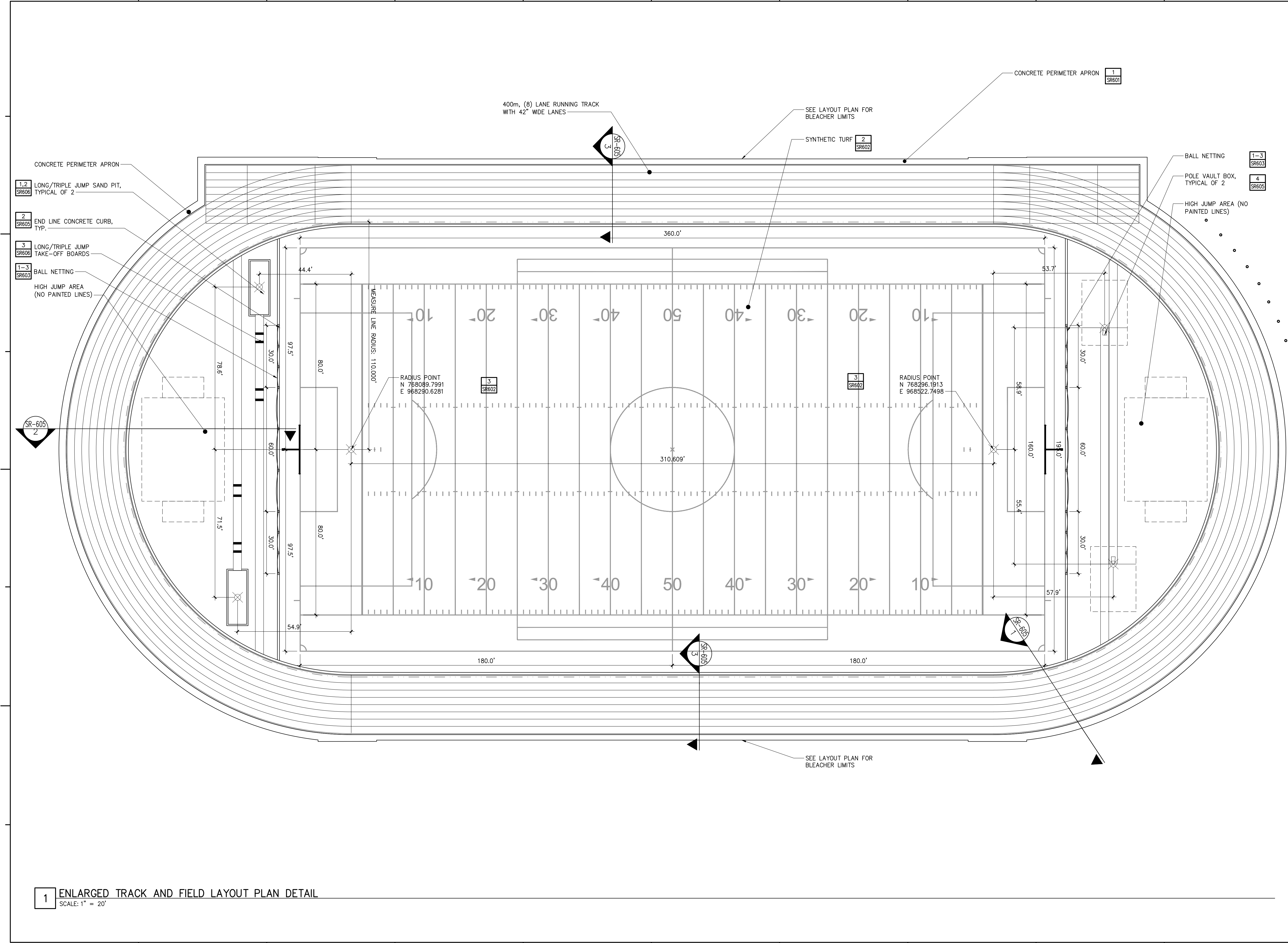
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DATE: 05/12/2023
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CHECKED BY: PG

STADIUM TRACK AND FIELD UTILITY AND IRRIGATION PLAN
SR-501

REVISIONS:

No.	Description	Date

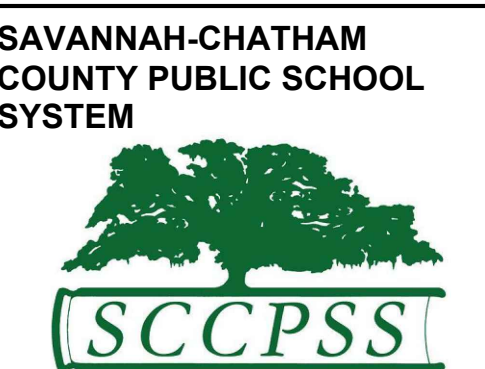
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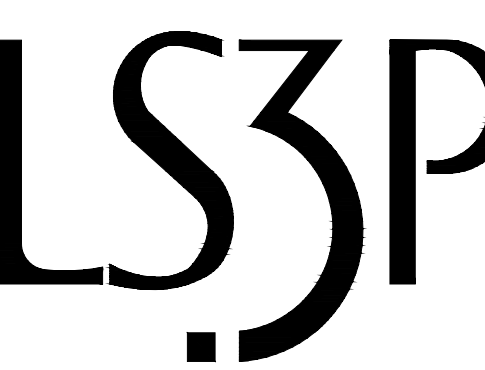
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1 ENLARGED TRACK AND FIELD LAYOUT PLAN DETAIL
 SCALE: 1" = 20'

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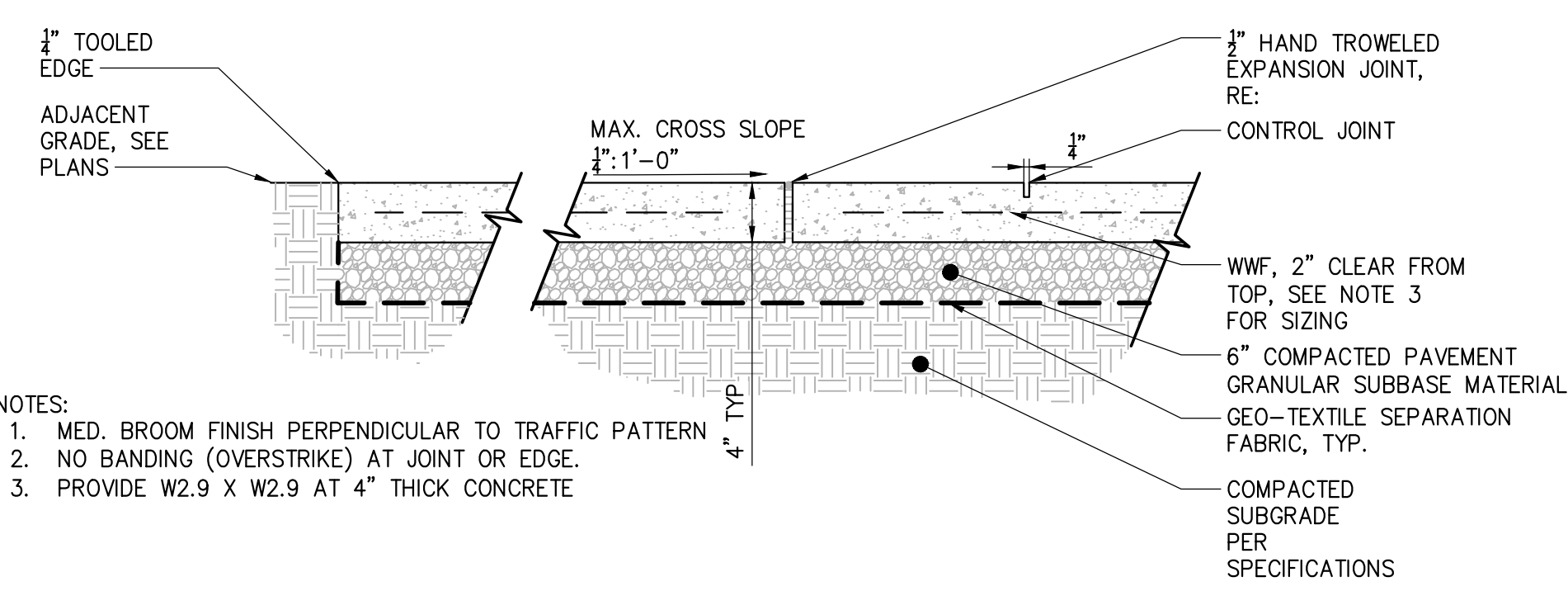
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DATE: 05/12/2023
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SPORTS DETAILS
SR-601

BID SET

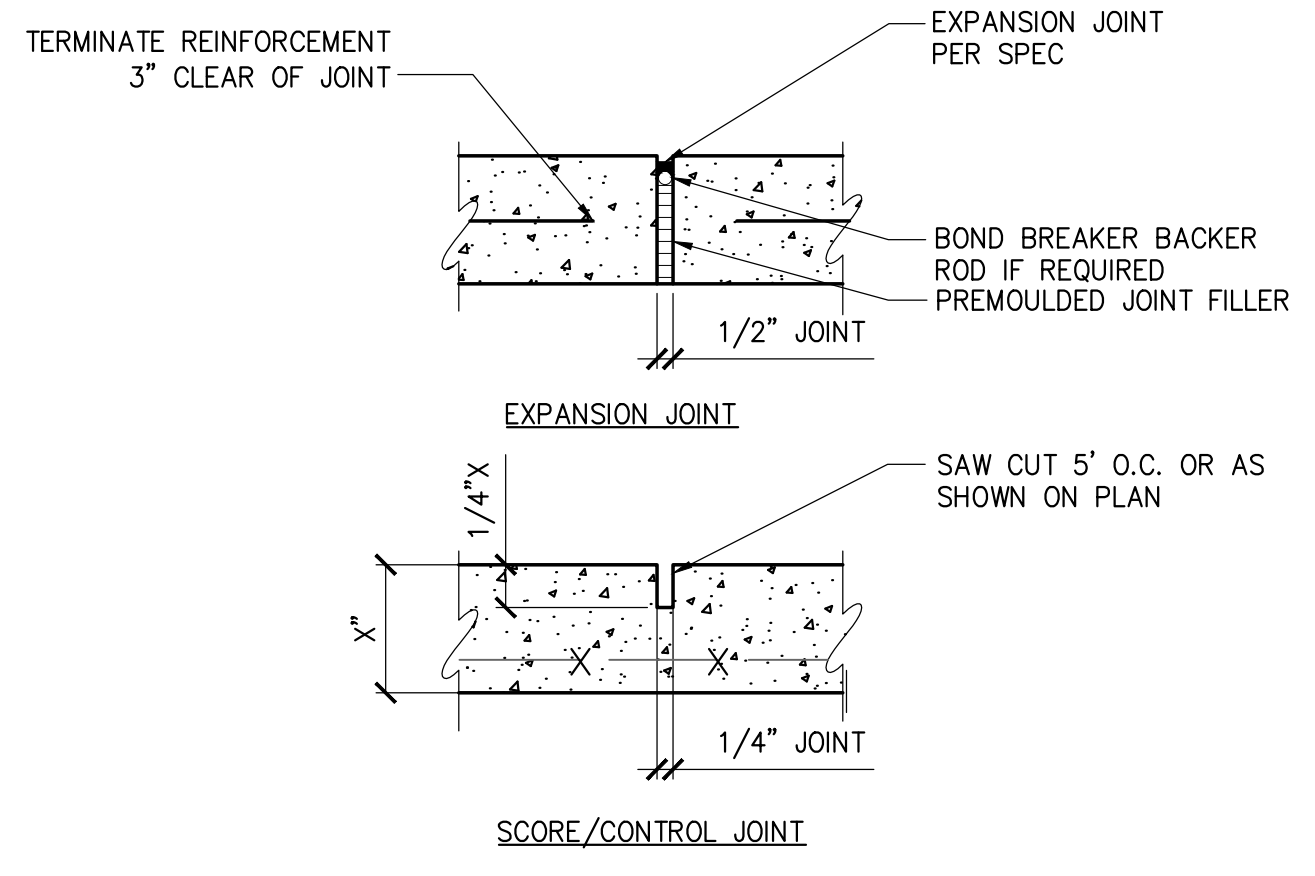
EXPANSION JOINTS TO OCCUR 25' O.C. MAX & AT ALL CURBS, WALLS, & VERT. ELEMENTS, AND AS SHOWN ON PLANS

QUICK COUPLER VALVE TO BE 1 1/2" RAINBIRD MODEL 7 OR APPROVED EQUAL
QUICK COUPLER VALVE BOX TO BE SPORTSFIELD SPECIALTIES TC1QCV (TC-3700-QCV PLUS) QUICK CONNECT VALVE BOX OR APPROVED EQUAL, SEE SPECIFICATIONS
IRRIGATION VALVE BOX & LID, RE: SPECIFICATIONS

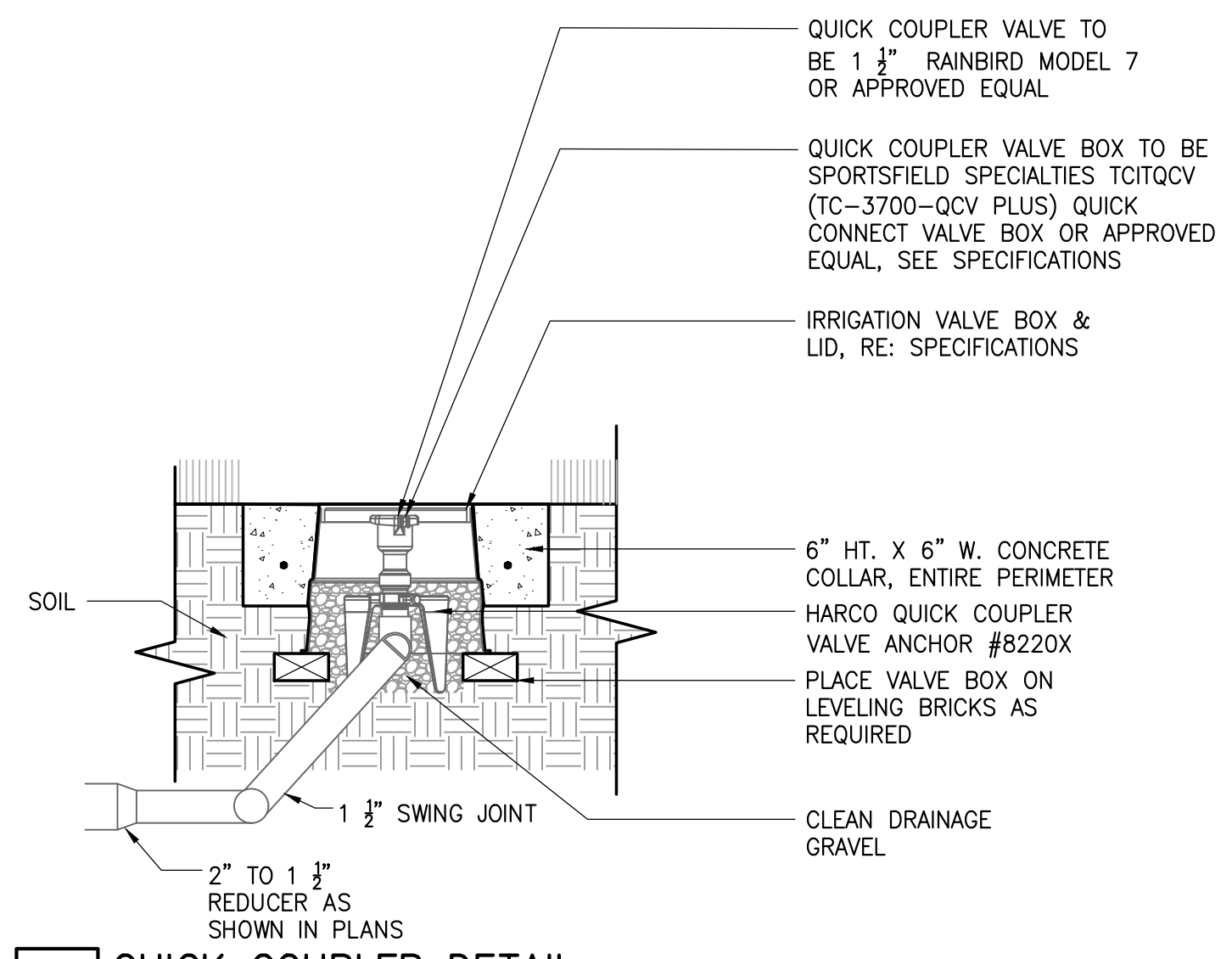


- NOTES:
- MED. BROOM FINISH PERPENDICULAR TO TRAFFIC PATTERN
 - NO BANDING (OVERSTRIKE) AT JOINT OR EDGE.
 - PROVIDE W2.9 X W2.9 AT 4" THICK CONCRETE

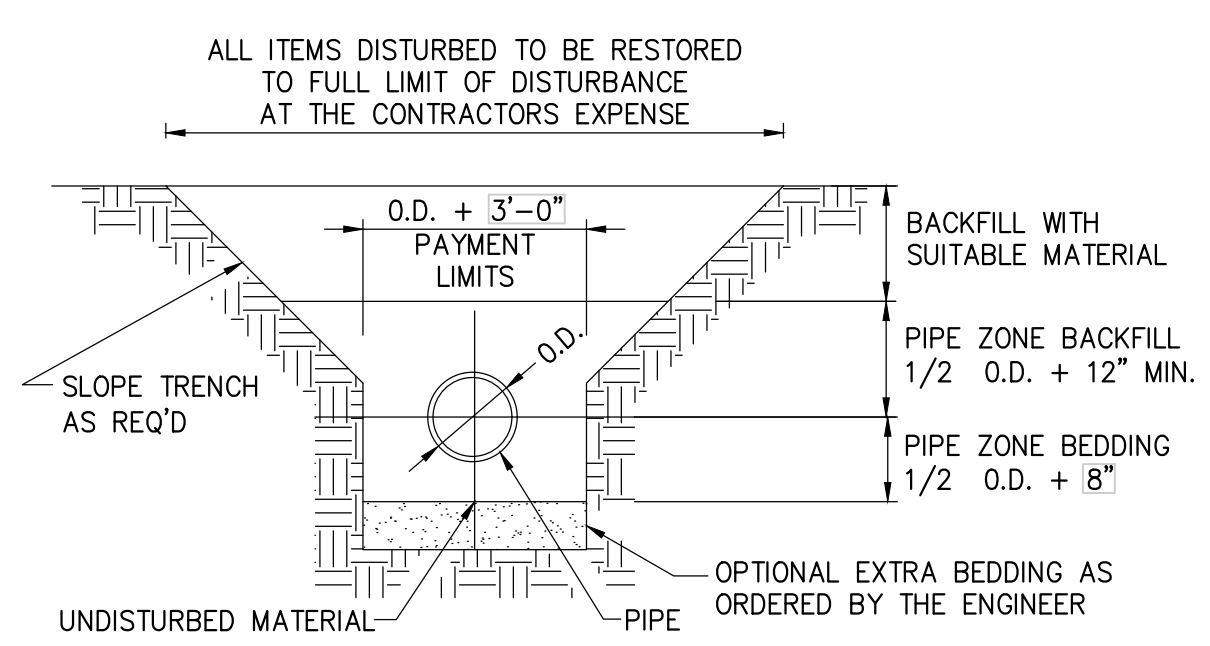
1 CONCRETE PAVEMENT DETAIL
SCALE: NTS



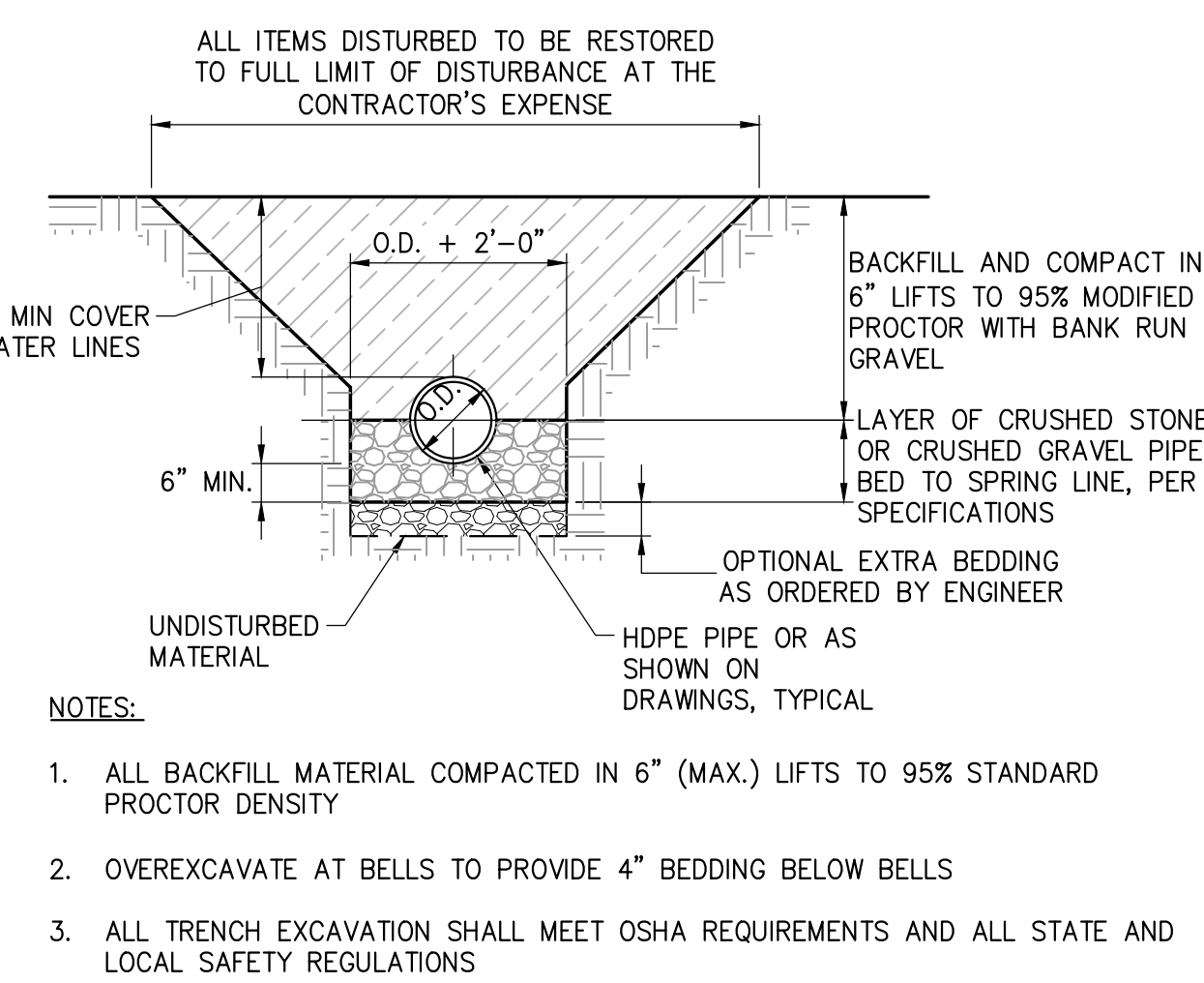
2 EXPANSION AND CONTROL JOINT DETAILS
SCALE: NTS



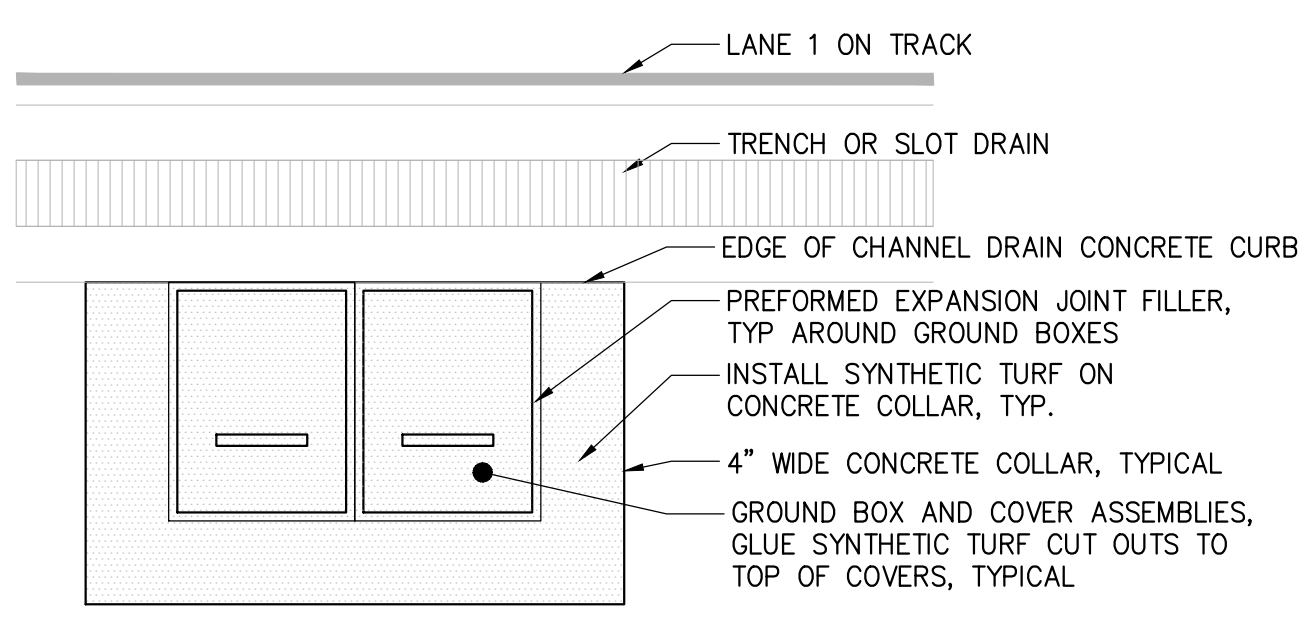
3 QUICK COUPLER DETAIL
SCALE: NTS



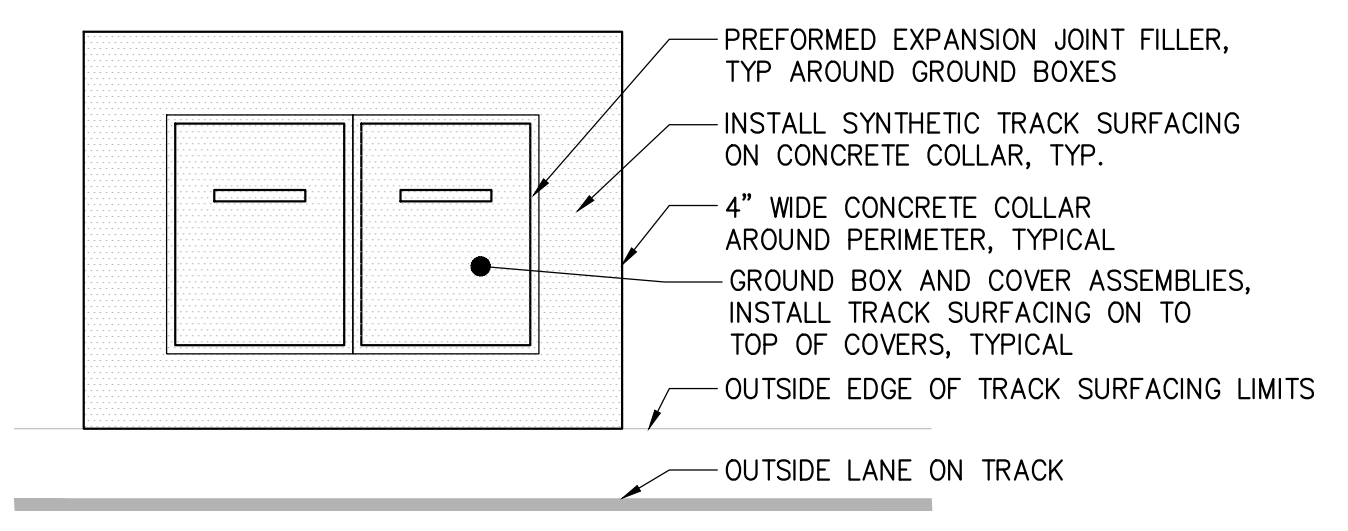
4 TYPICAL STORM TRENCH DETAIL
SCALE: NTS



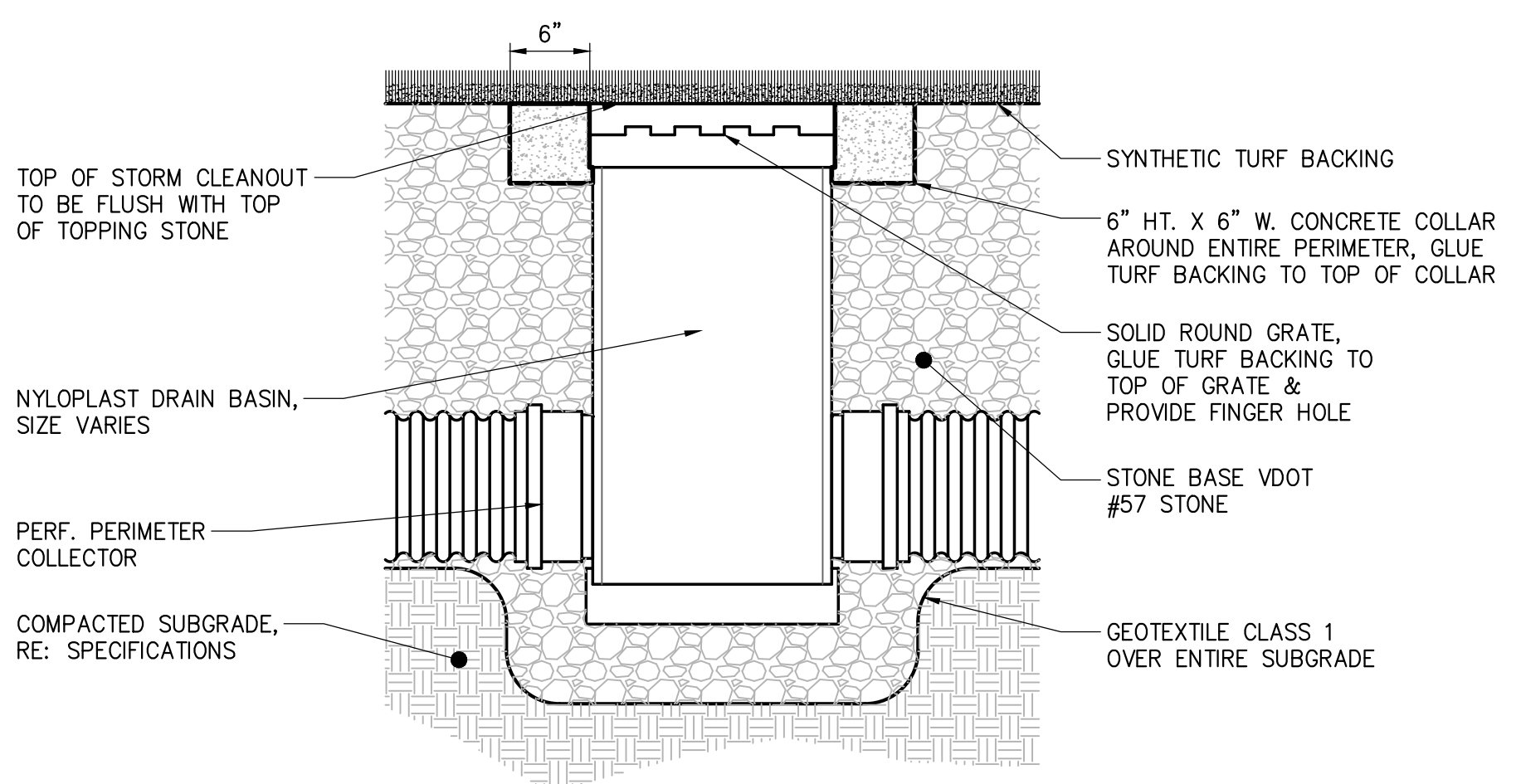
5 TYPICAL WATER TRENCH DETAIL
SCALE: NTS



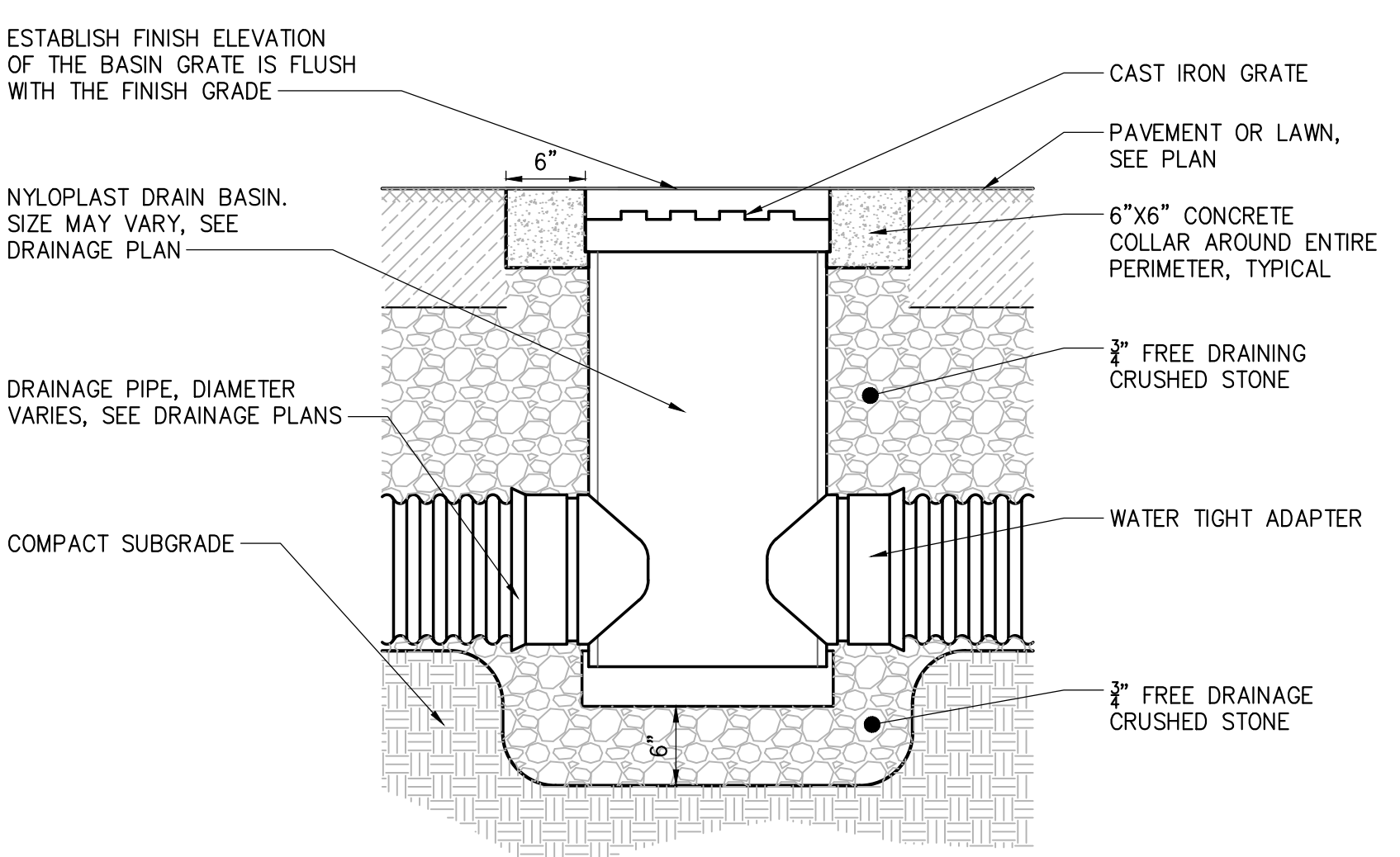
6 JUNCTION BOX IN SYN. TURF
SCALE: NTS



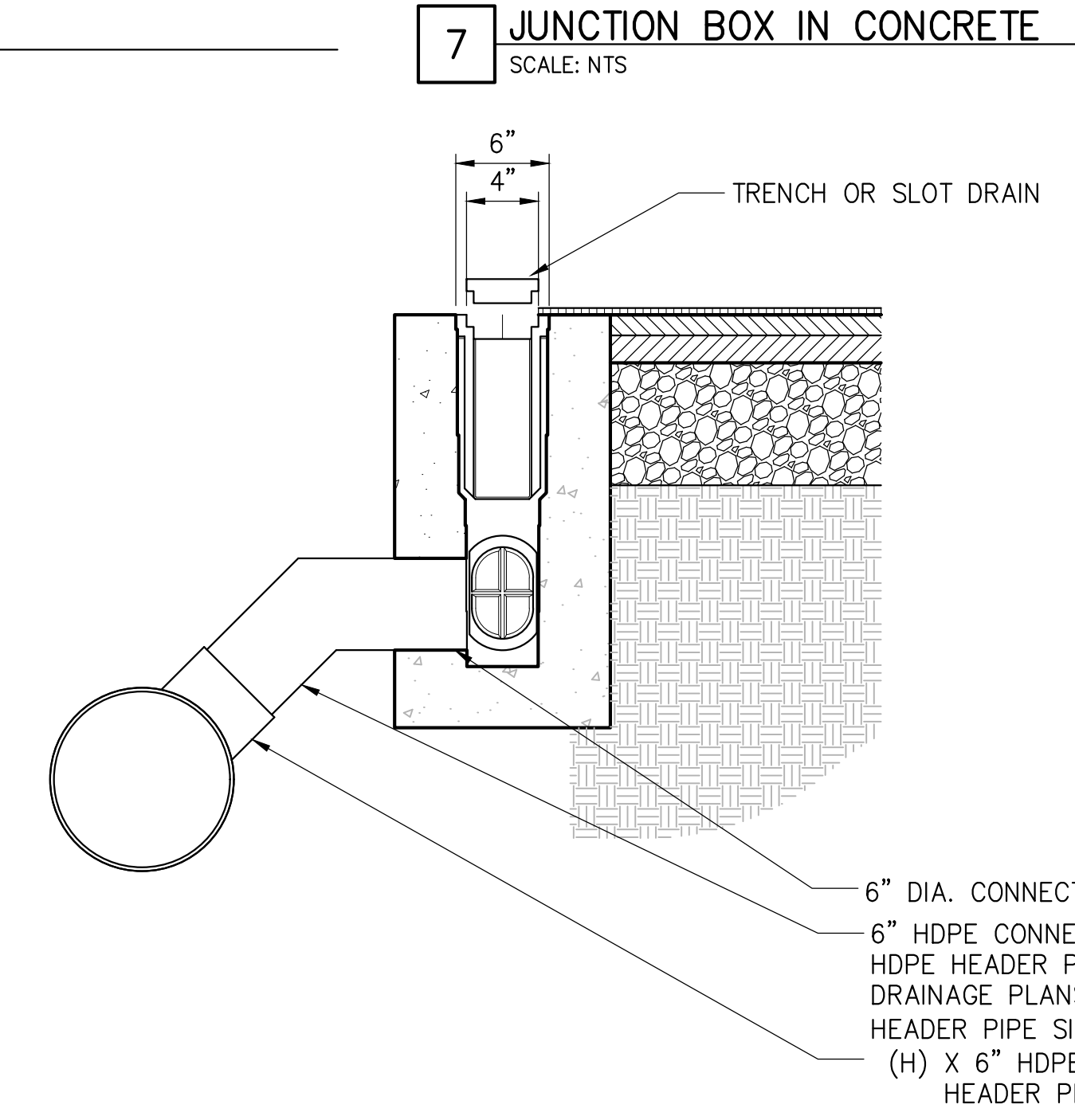
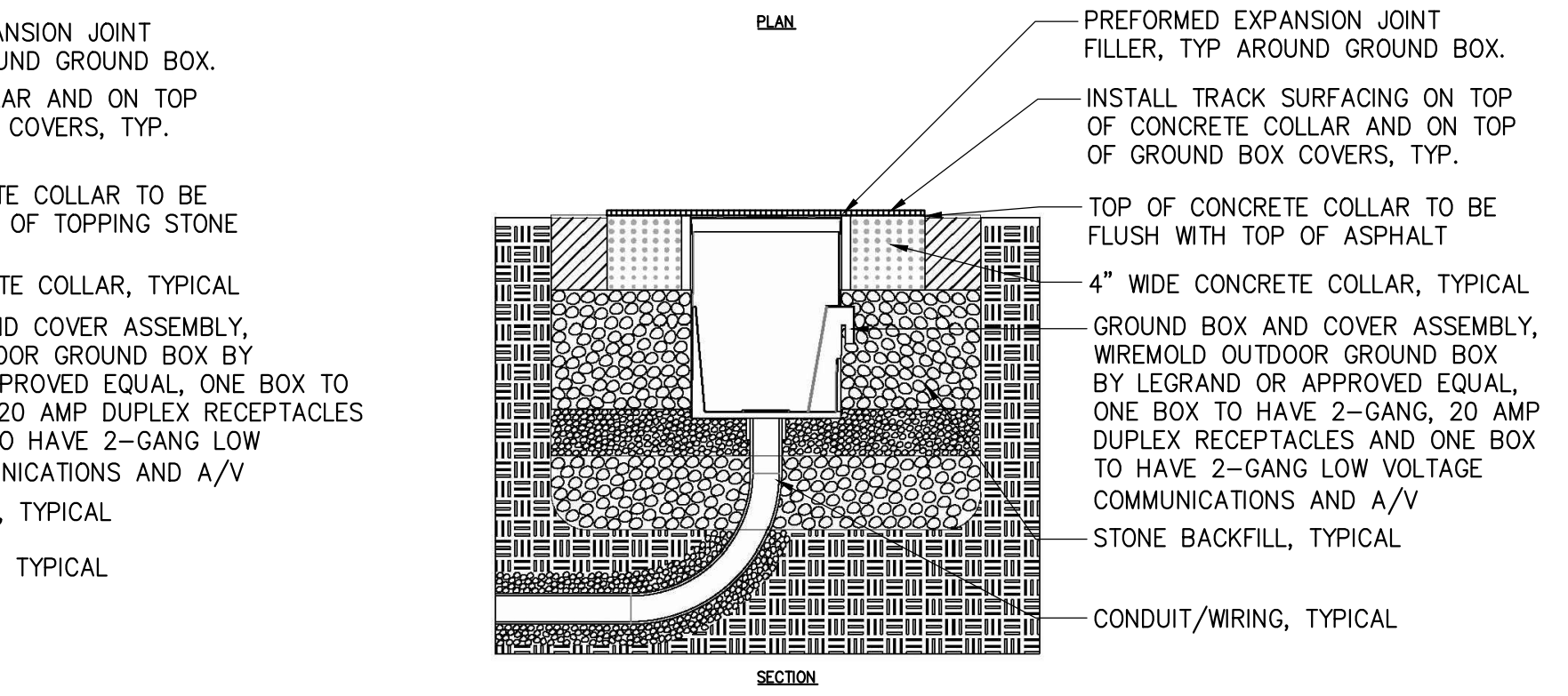
7 JUNCTION BOX IN CONCRETE
SCALE: NTS



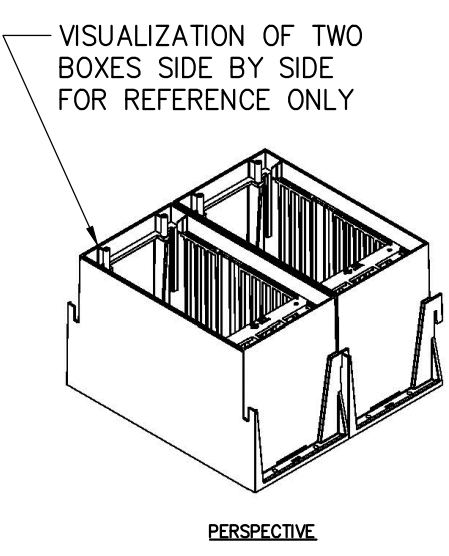
8 CLEANOUT DETAIL
SCALE: NTS



9 AREA DRAIN DETAIL
SCALE: NTS



10 CHANNEL DRAIN CATCH BASIN DETAIL
SCALE: NTS



VISUALIZATION OF TWO BOXES SIDE BY SIDE FOR REFERENCE ONLY

PERSPECTIVE

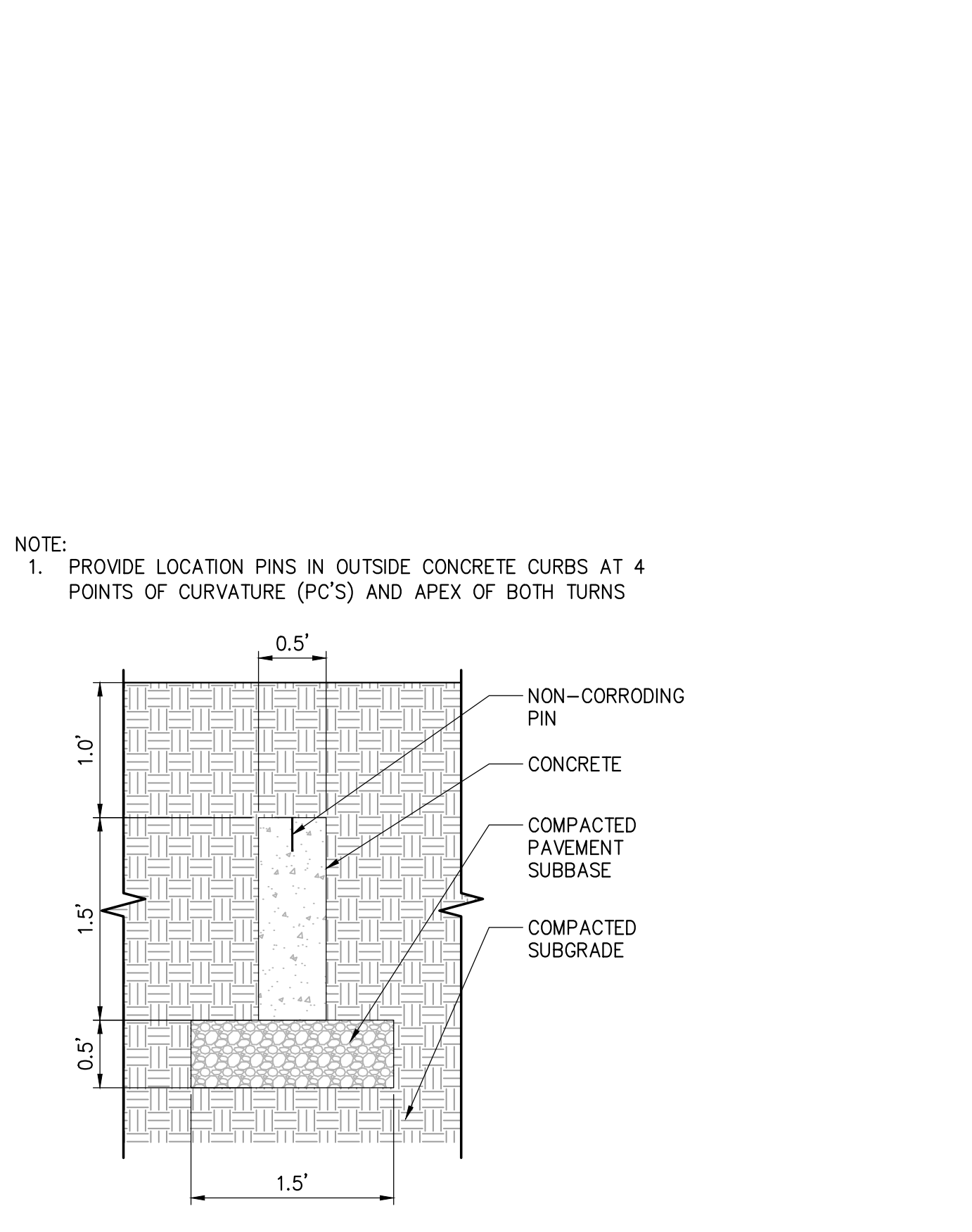
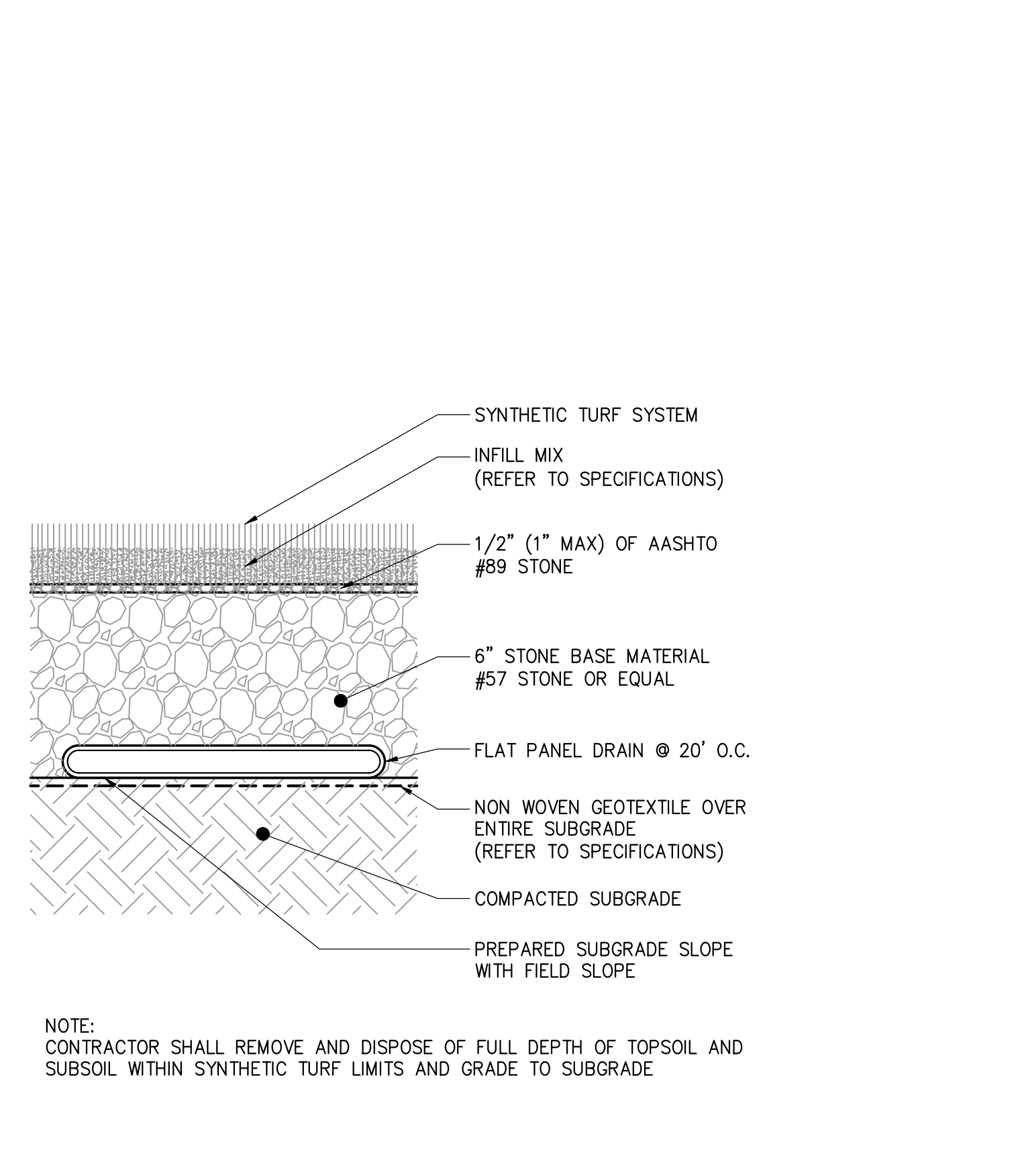
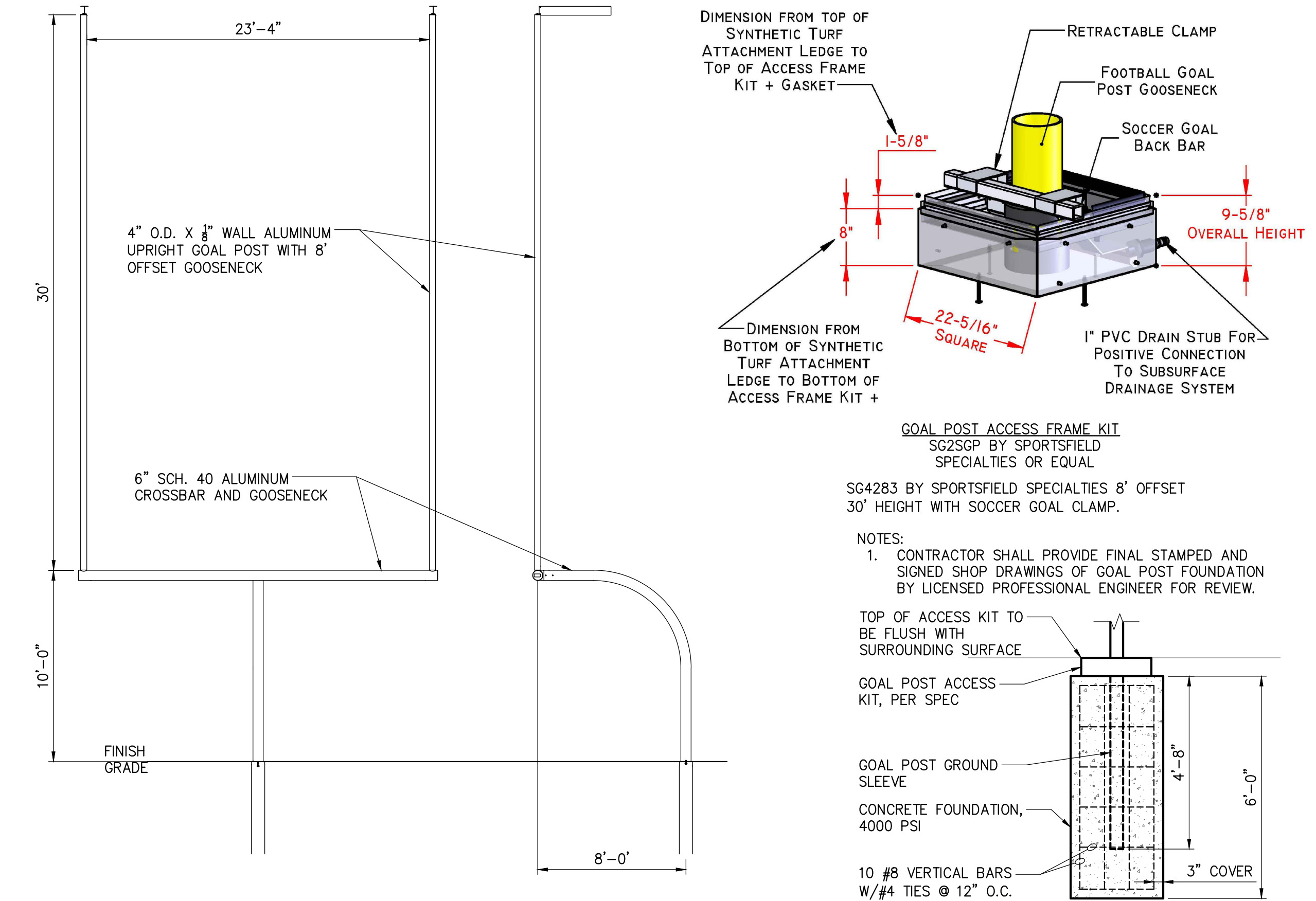
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No.	Description	Date

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 DATE: 05/12/2023
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SPORTS DETAILS

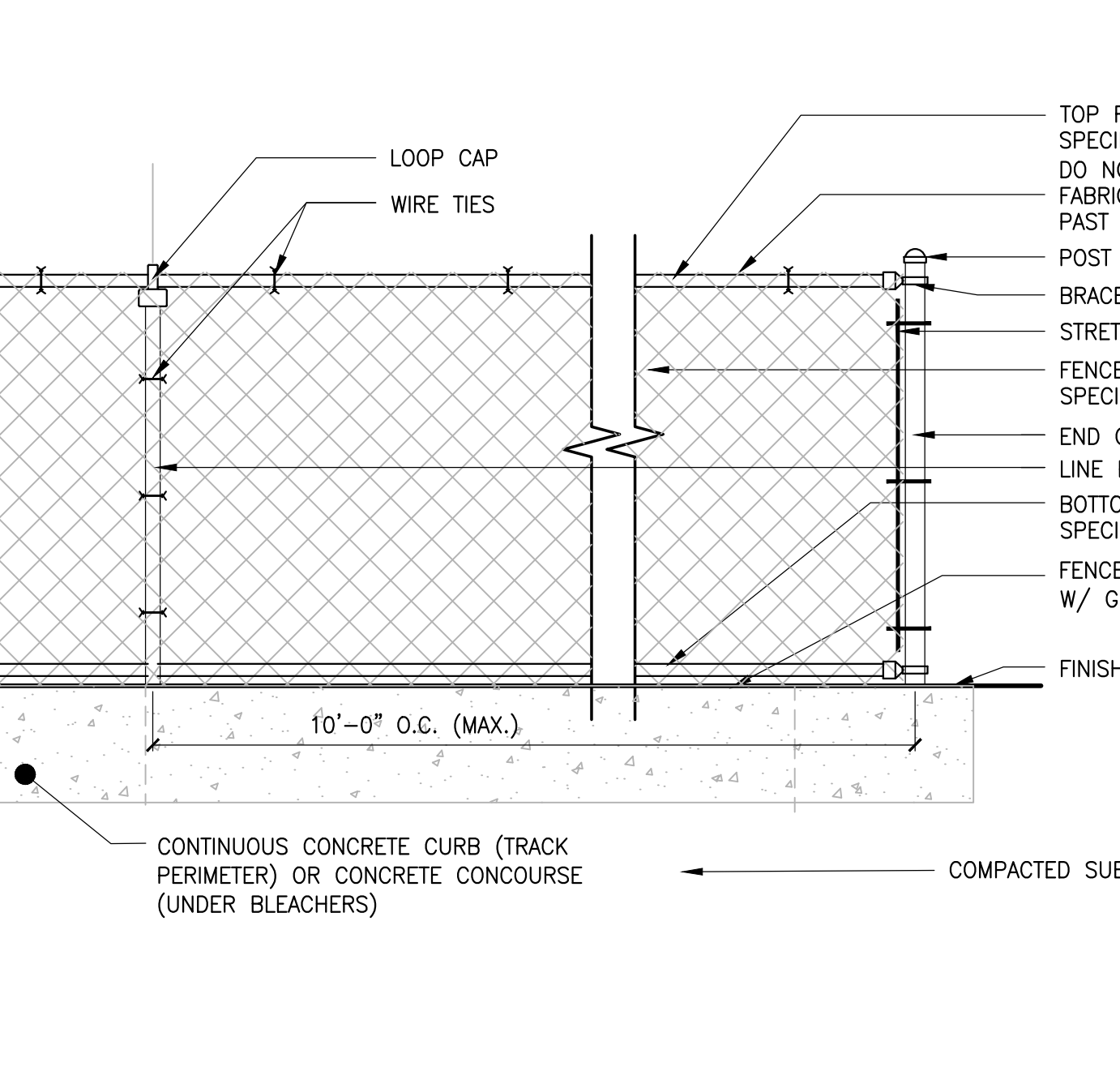
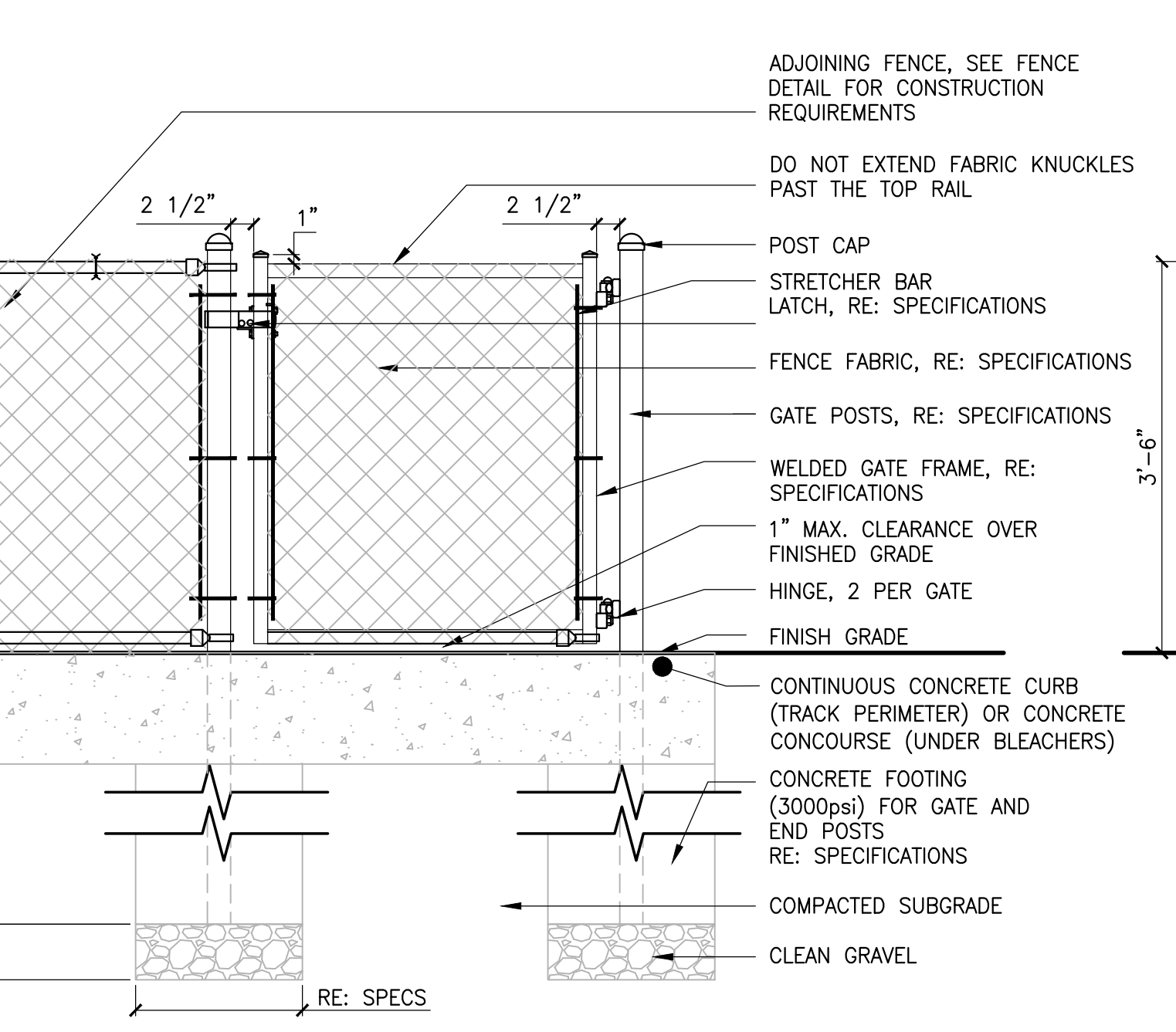
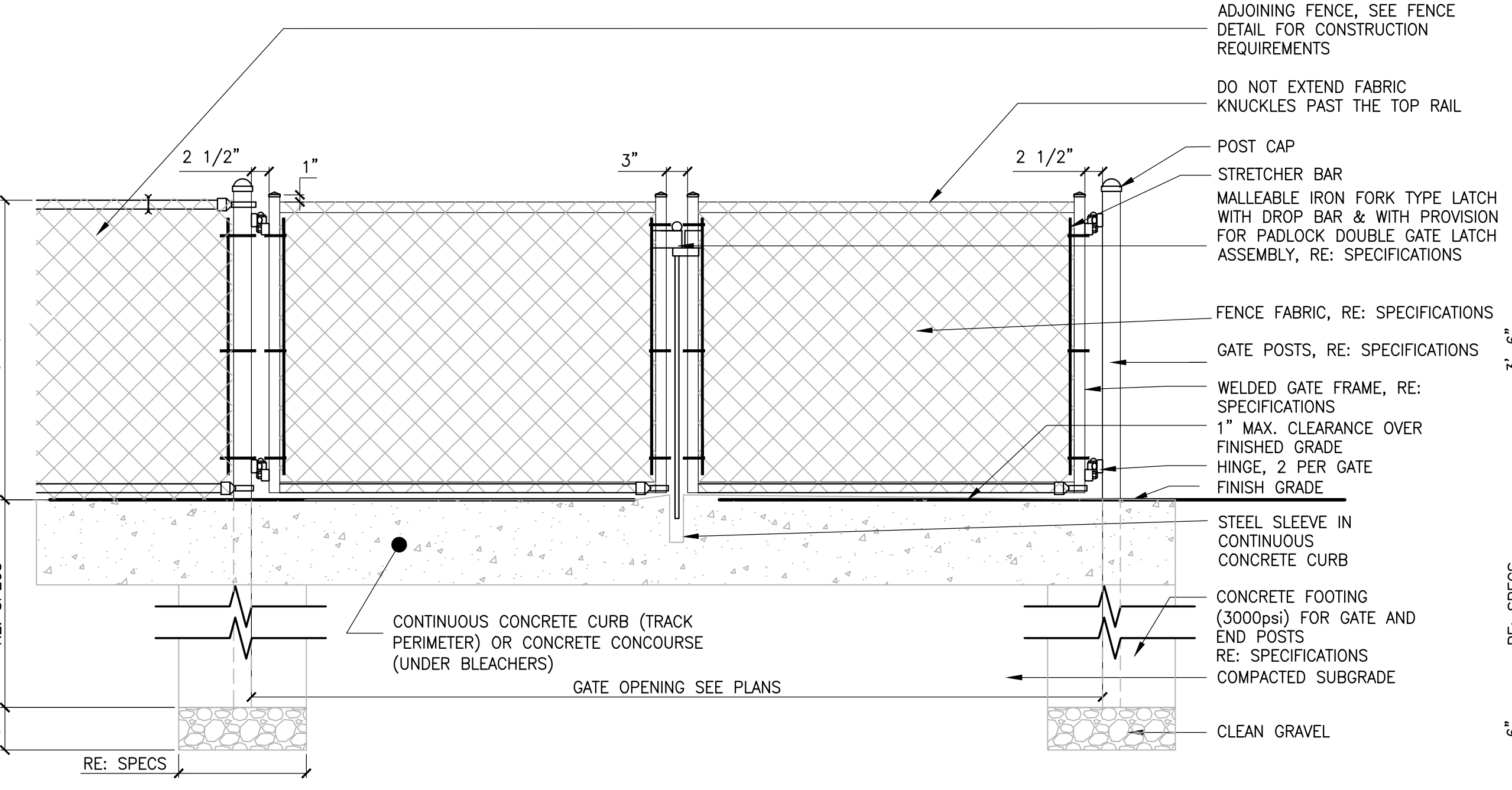
SR-602



1 FOOTBALL GOAL POST AND FOUNDATION DETAIL
 SCALE: NTS

2 SYNTHETIC TURF CROSS SECTION
 SCALE: NTS

3 TRACK RADIUS MONUMENT
 SCALE: NTS

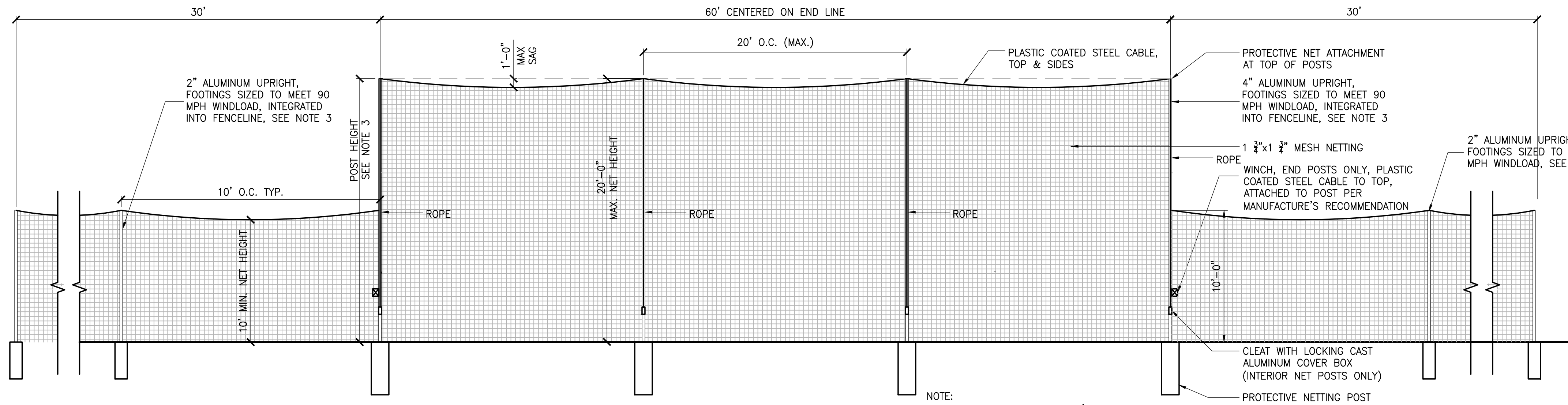


NOTES:
 1. SEE SPECIFICATIONS FOR POST AND FENCE FRAME SIZING.
 2. ALL POST FOOTINGS SHALL BE PER SPECIFICATIONS.
 3. SEE SPECIFICATIONS FOR FENCE FINISH REQUIREMENTS.
 4. HOLD DOWN TOP OF FOOTING BELOW WALK (TYP.).

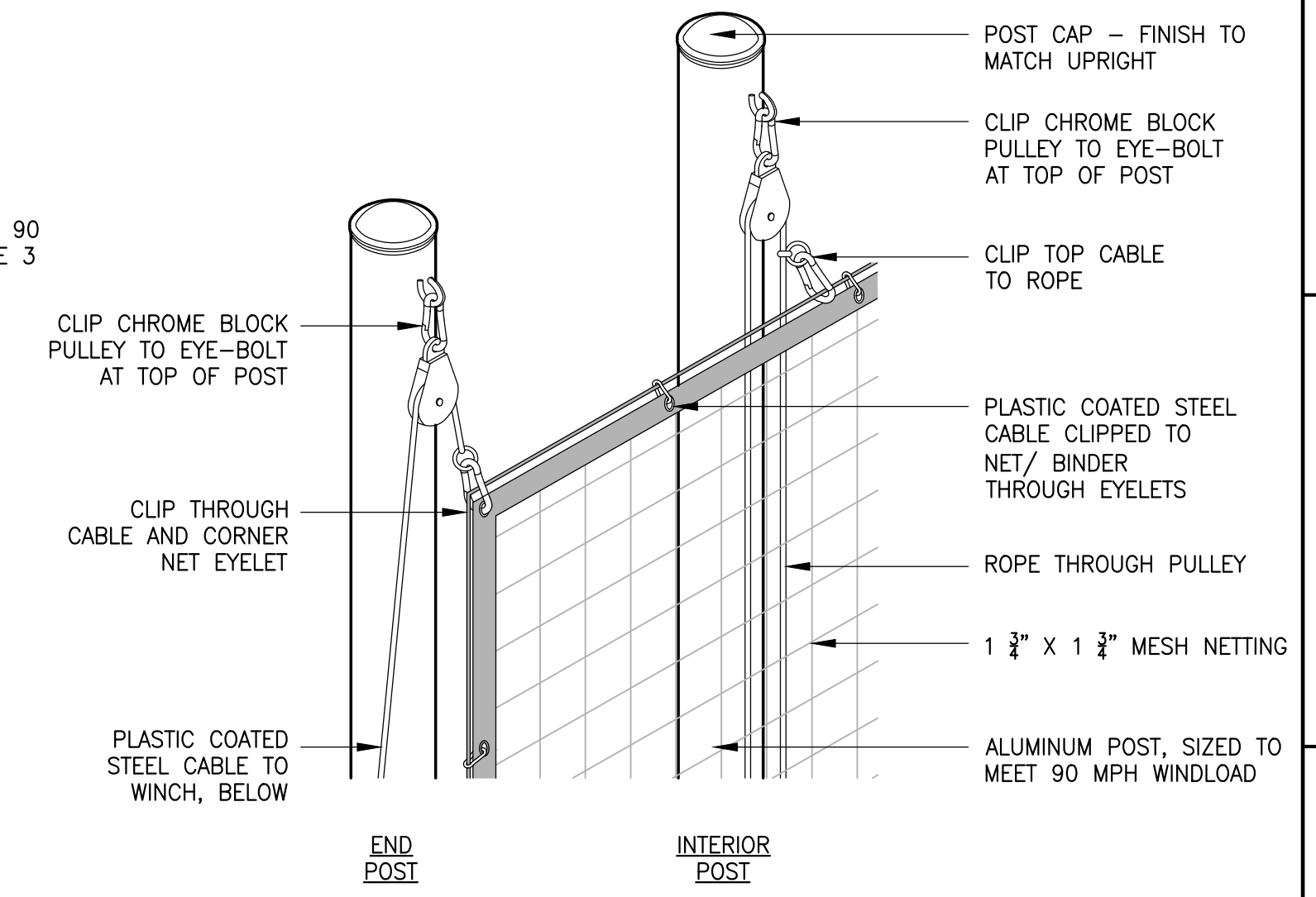
4 3-6" HIGH CHAIN LINK FENCE
 SCALE: NTS

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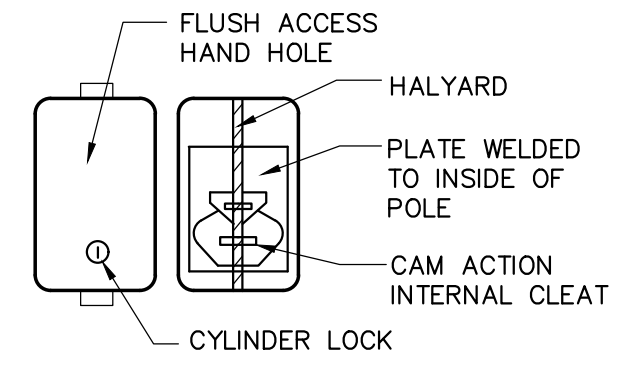
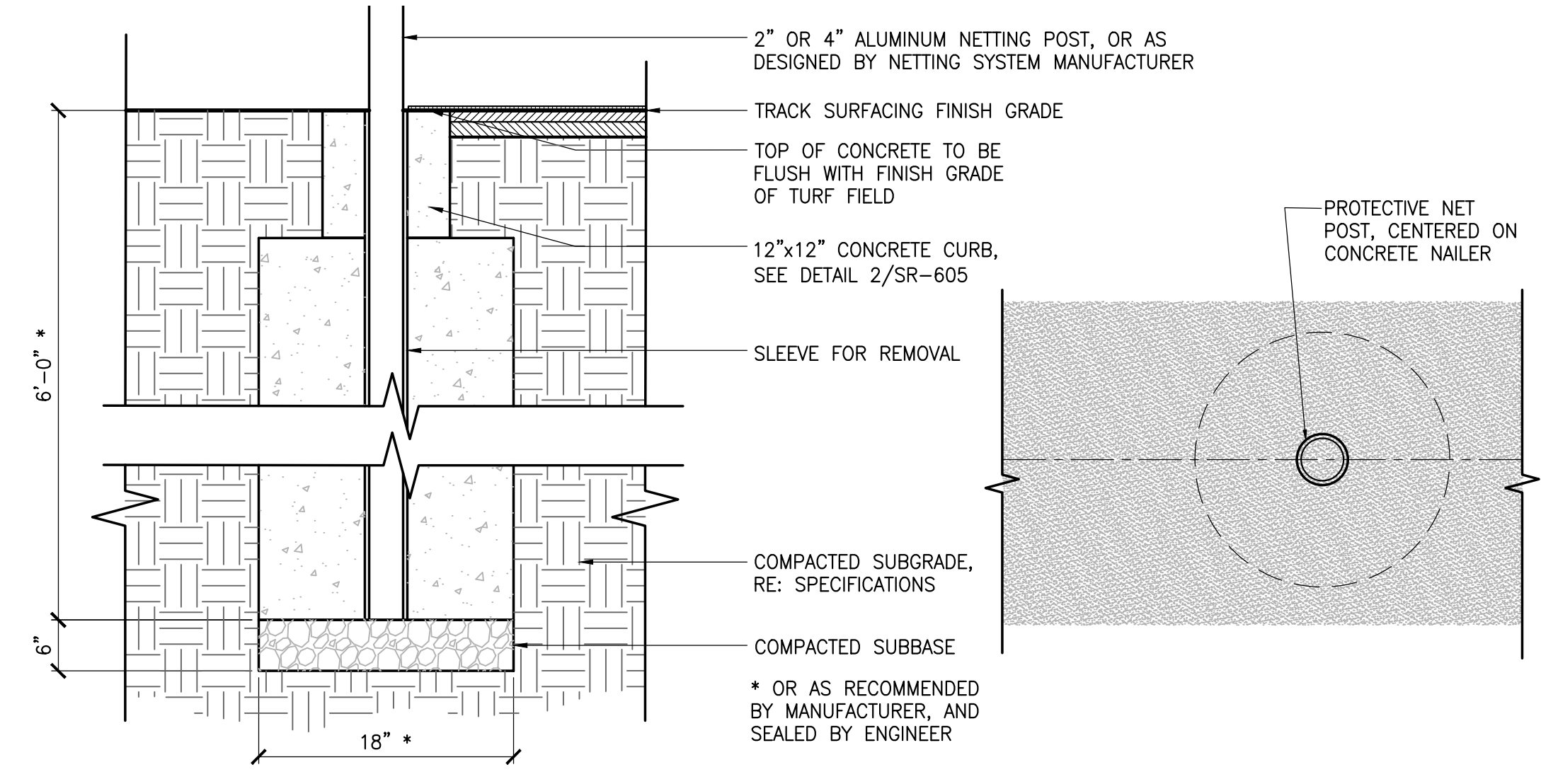


NOTE:
 1. MAXIMUM NET HEIGHT OF 20'
 2. NETTING AND POLES SHALL BE EASILY REMOVABLE
 3. POST HEIGHT SHALL BE DETERMINED BY MIN. NET HEIGHT & ALLOWABLE SAG IN NET (NOT TO EXCEED 1'-0")
 4. NETTING SYSTEM MANUFACTURER SHALL SUBMIT SEALED DRAWINGS BY A LICENSED PROFESSIONAL ENGINEER FOR 90 MPH WINDLOAD, AND FOOTING DESIGN FOR ALL NETTING SYSTEM HEIGHTS.



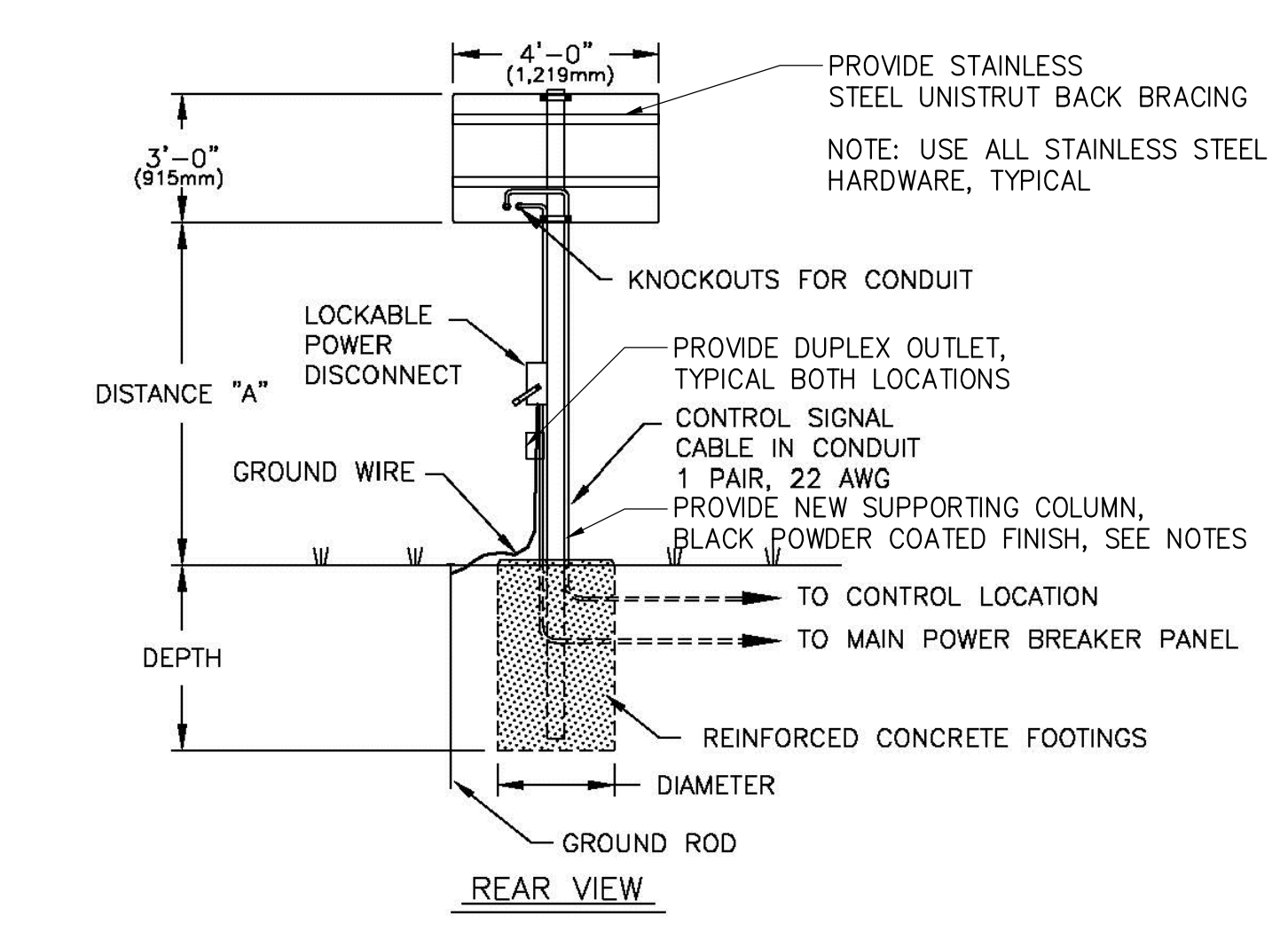
1 BALL NETTING SYSTEM
SCALE:

2 BALL NETTING PULLEY SYSTEM
SCALE:



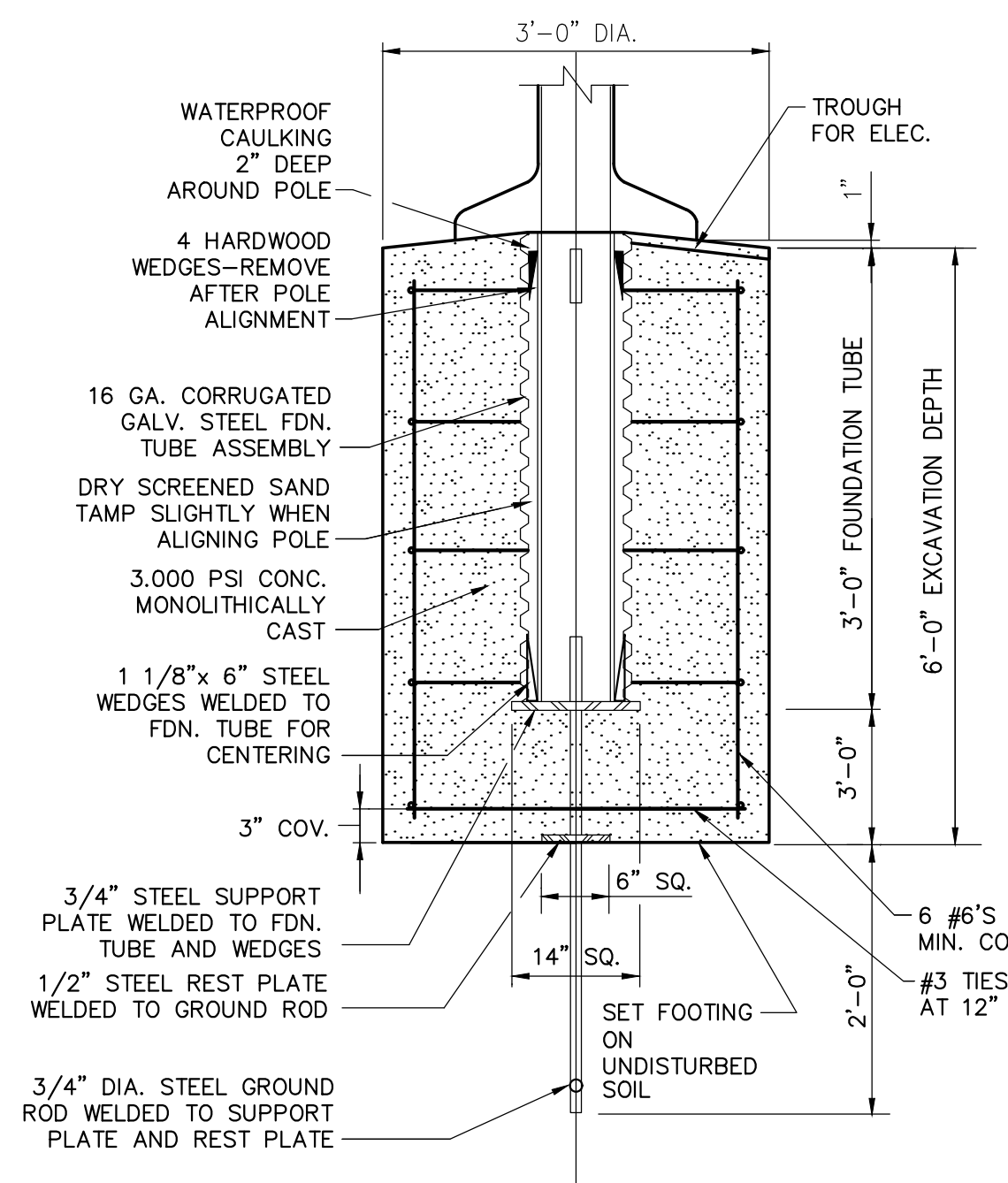
NOTES:
 1. FLAG SHALL BE SCHOOL FLAG PROVIDED BY OWNER, ASSUMED 5'x8' FLAG.
 2. FLAG POLE SHALL BE 35' HIGH ALUMINUM POLE.

3 BALL NETTING FOUNDATION
SCALE:

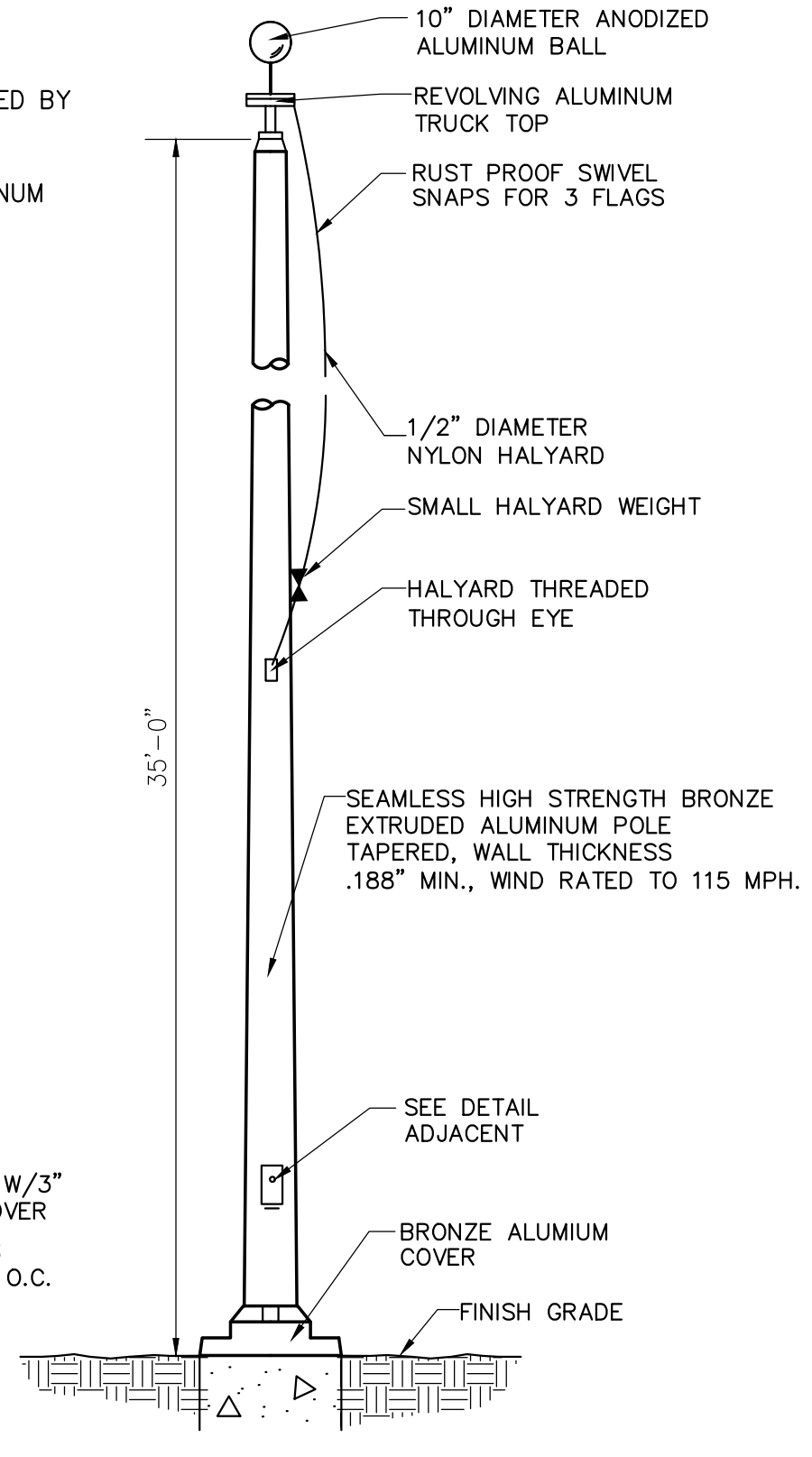


NOTES:
 1. FOUNDATION AND COLUMN DESIGN SHALL BE DONE BY SCOREBOARD MANUFACTURER AND STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER IN THE STATE OF GEORGIA.
 2. CONTRACTOR SHALL SUBMIT A SHOP DRAWING OF THE DELAY OF GAME CLOCK, FOUNDATION AND COLUMN DESIGN FOR REVIEW AND APPROVAL BY THE OWNER AND THE ENGINEER

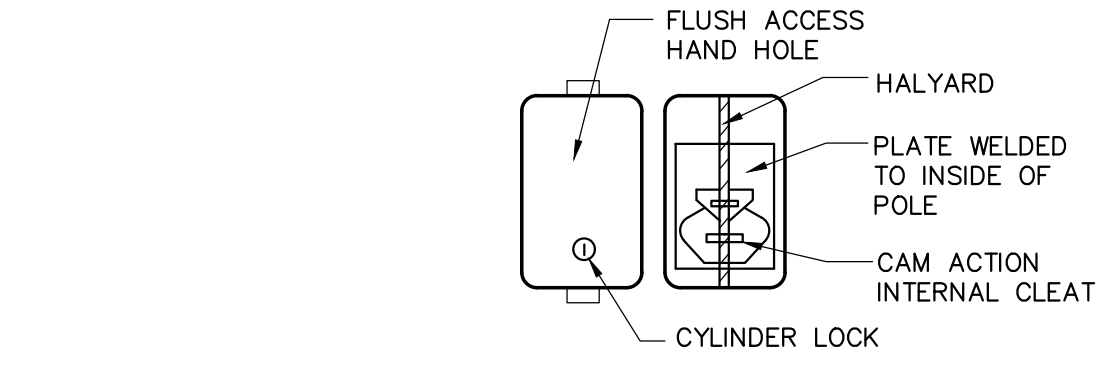
4 FOOTBALL GAME CLOCK DETAIL
SCALE:



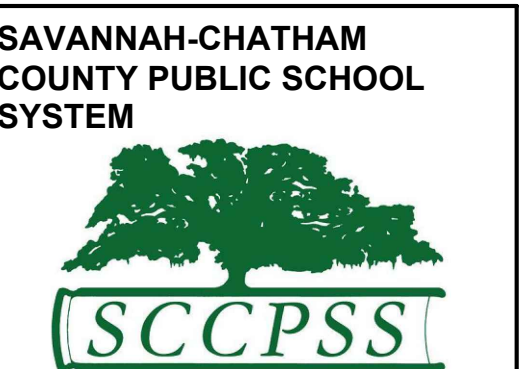
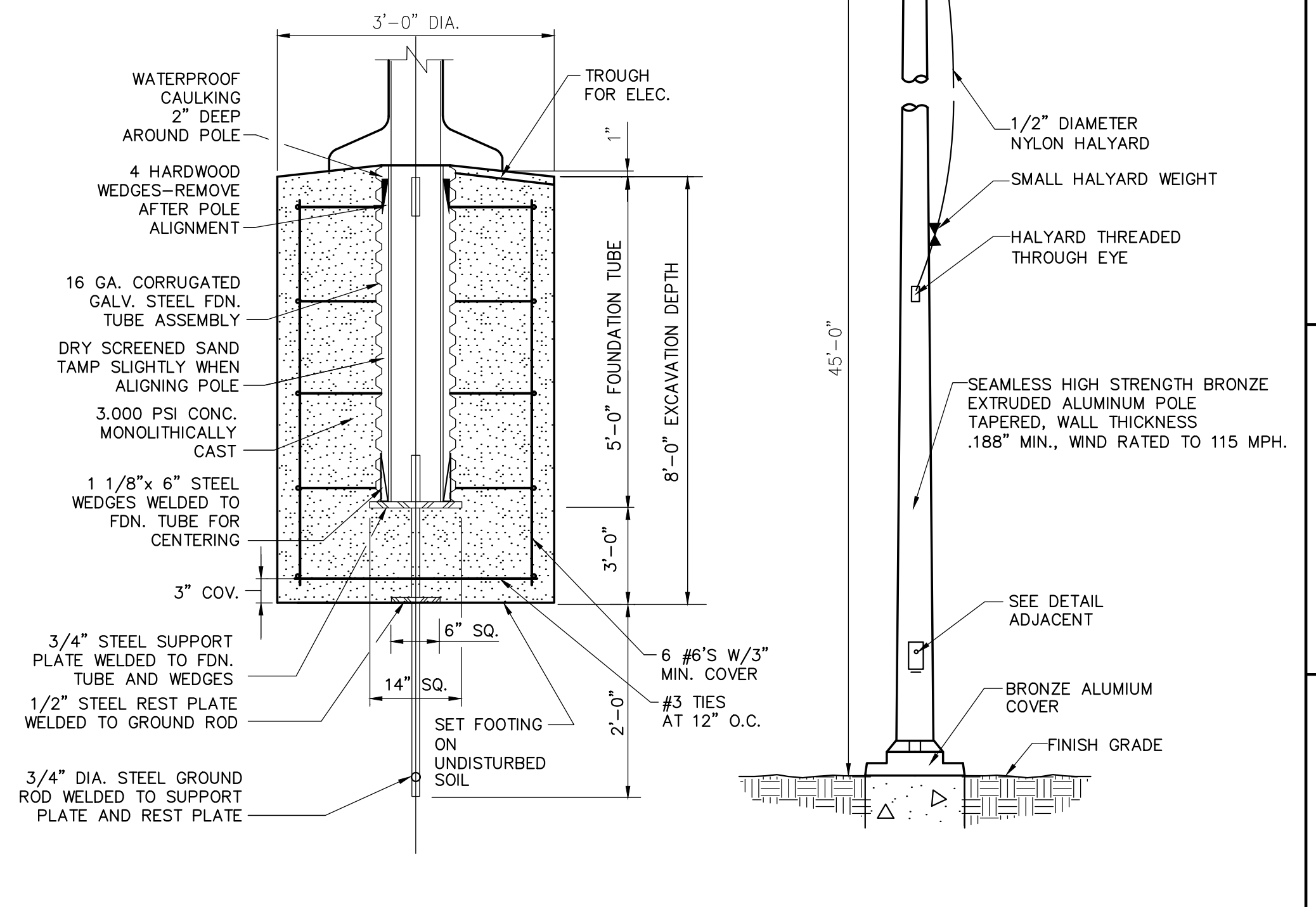
5 35' FLAGPOLE DETAIL
SCALE:



6 45' FLAGPOLE DETAIL
SCALE:



NOTES:
 1. FLAG SHALL BE U.S. FLAG-6" X 10' KORALEX II BY GETTYSBURG FLAG WORKS OR APPROVED.
 2. FLAG POLE SHALL BE 45' HIGH ALUMINUM POLE.



RFP C24-01 Groves Athletic Field & Fieldhouse



321 WEST CONGRESS STREET SUITE 301
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No.	Description	Date

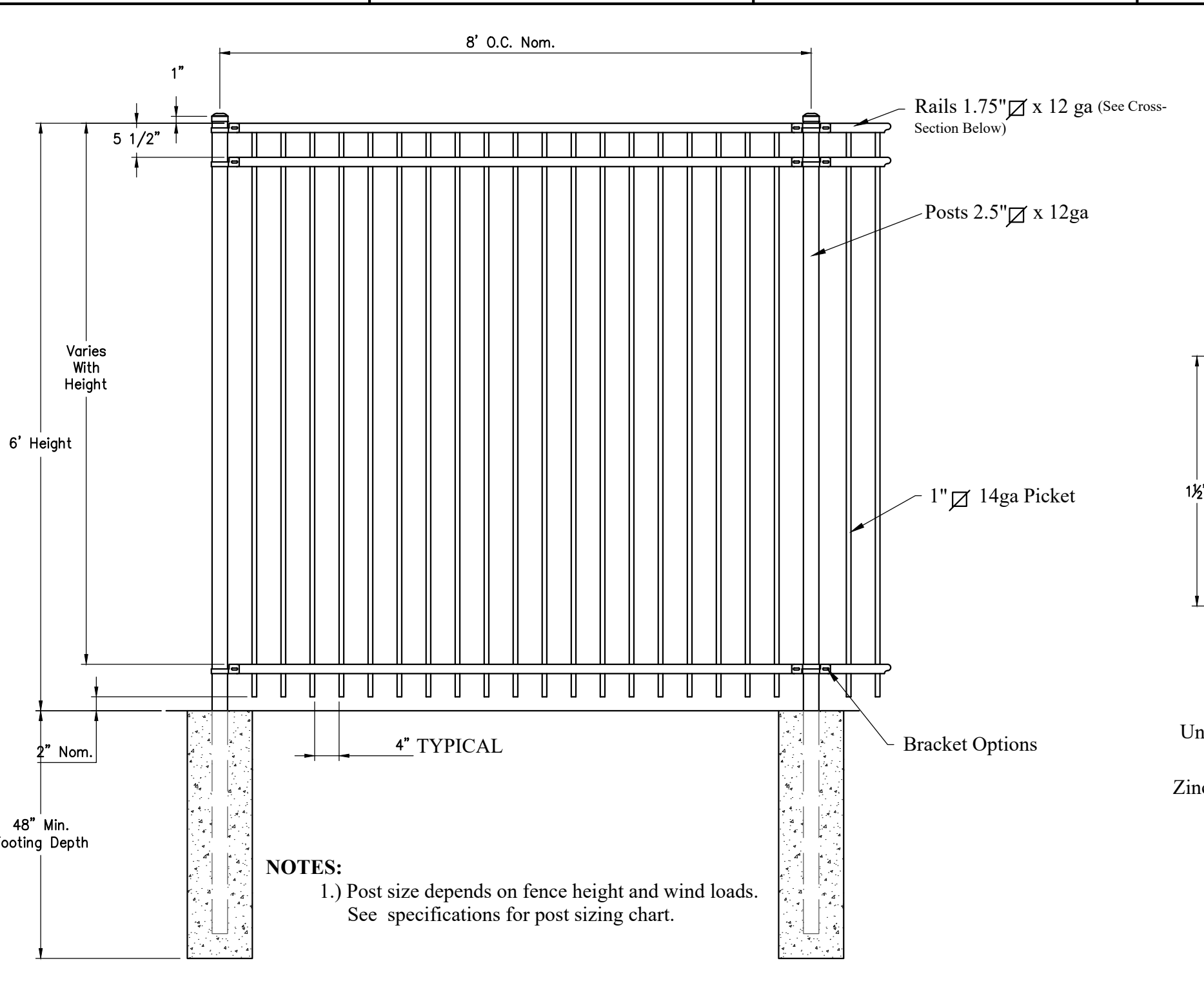
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 DATE: 05/12/2023
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SPORTS DETAILS
SR-603

REVISIONS:

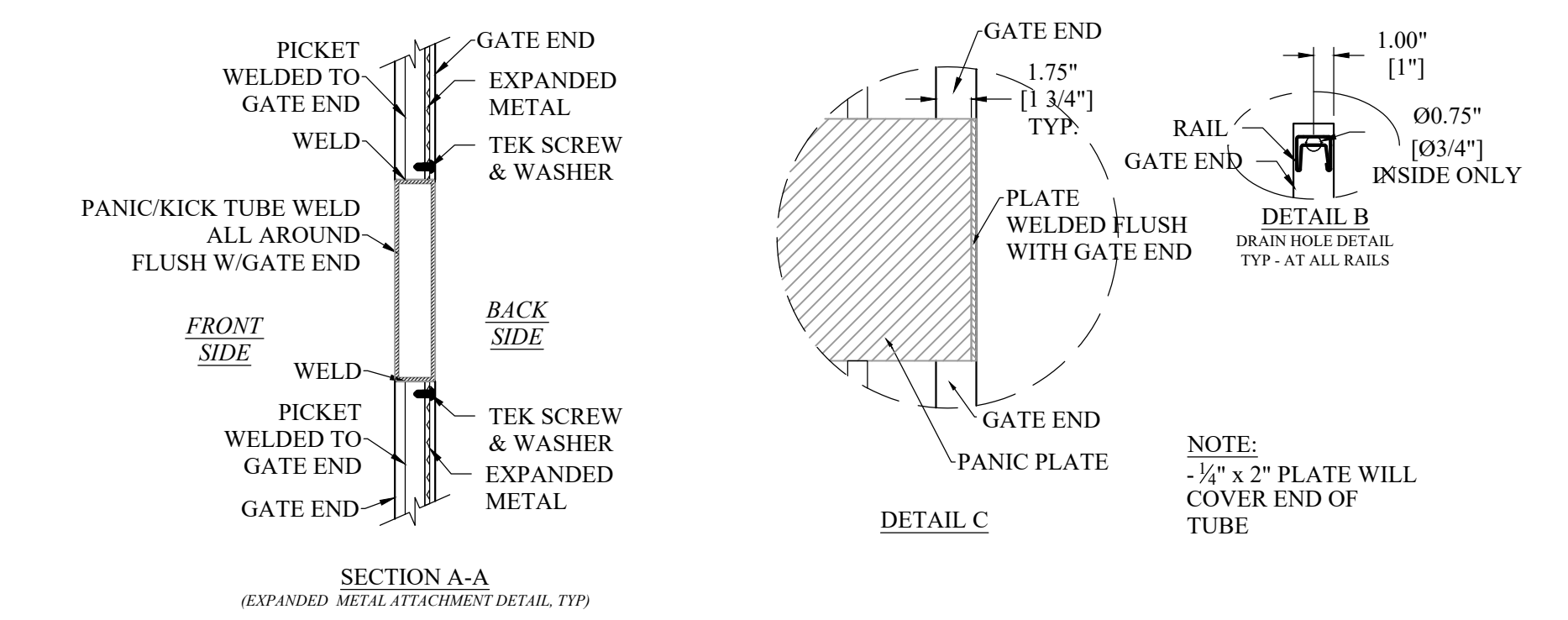
No.	Description	Date

PROJECT: 5201-192070
 DATE: 05/12/2023
 DRAWN BY: TM
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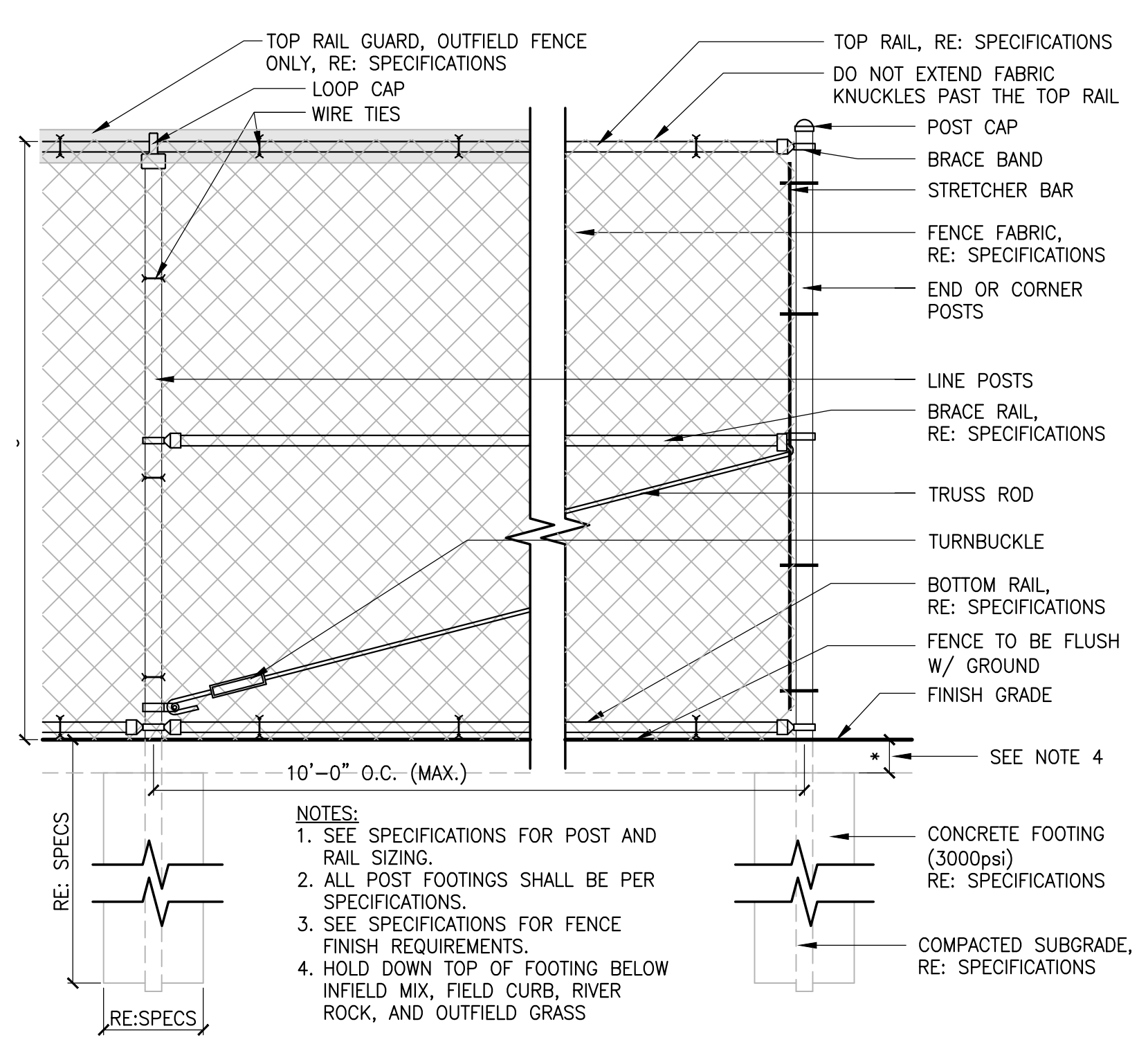


NOTE: ORNAMENTAL FENCING SHALL BE AMERISTAR MONTAGE II - MAJESTIC STYLE OR APPROVED EQUAL.

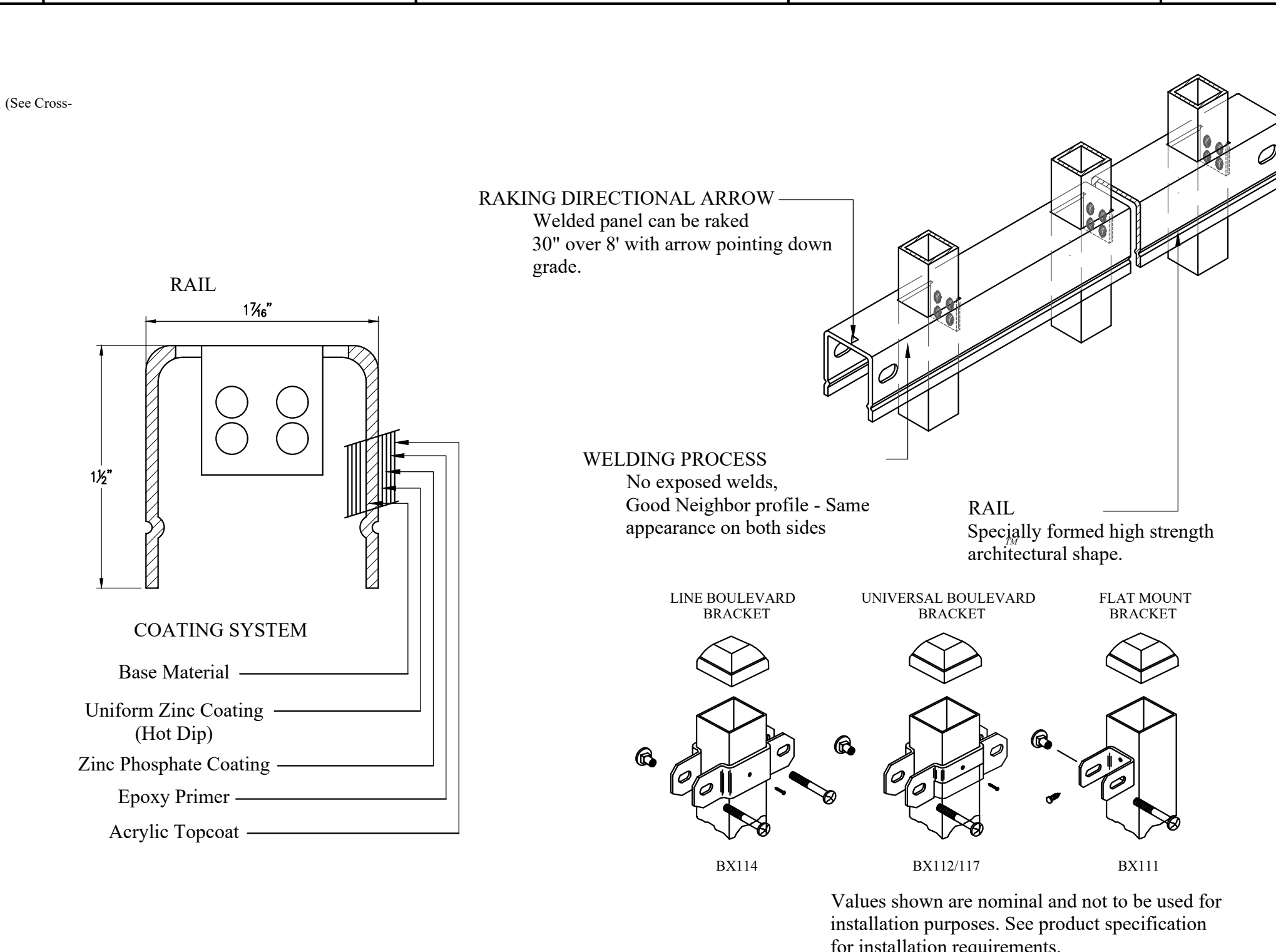
1 6' HIGH BLACK ORNAMENTAL FENCE DETAIL
 SCALE:



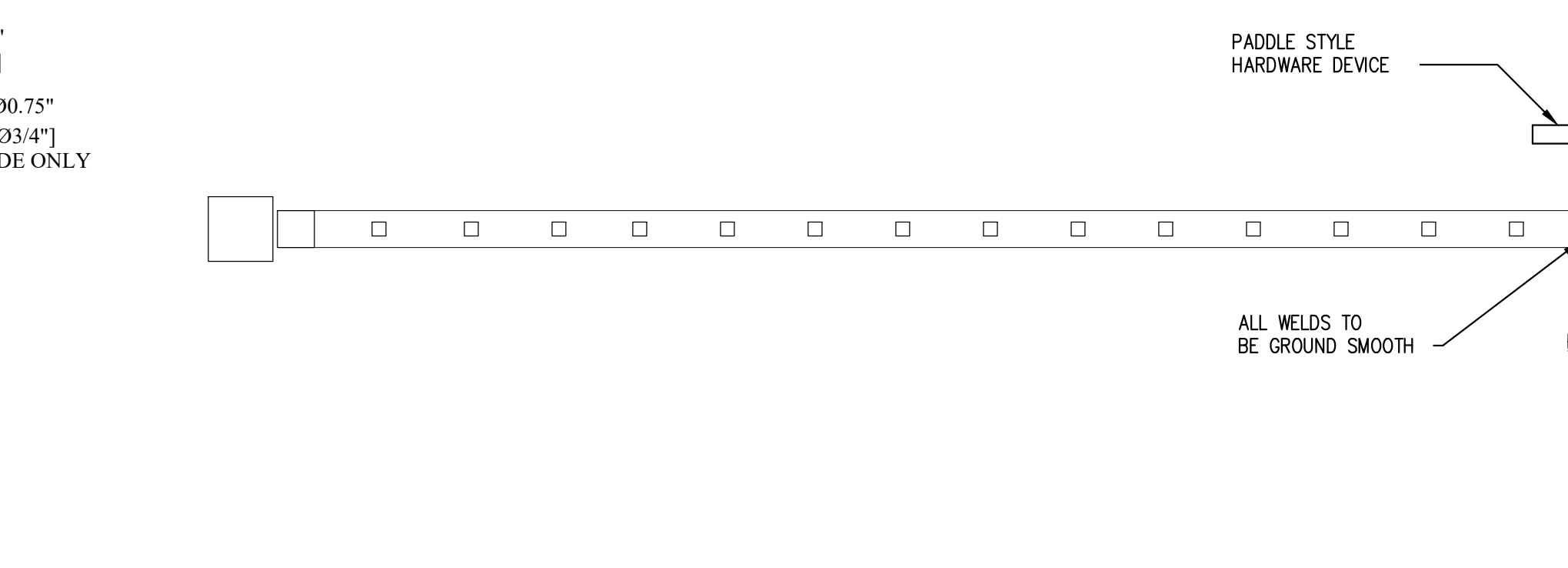
3 PANIC HARDWARE DETAIL
 SCALE:



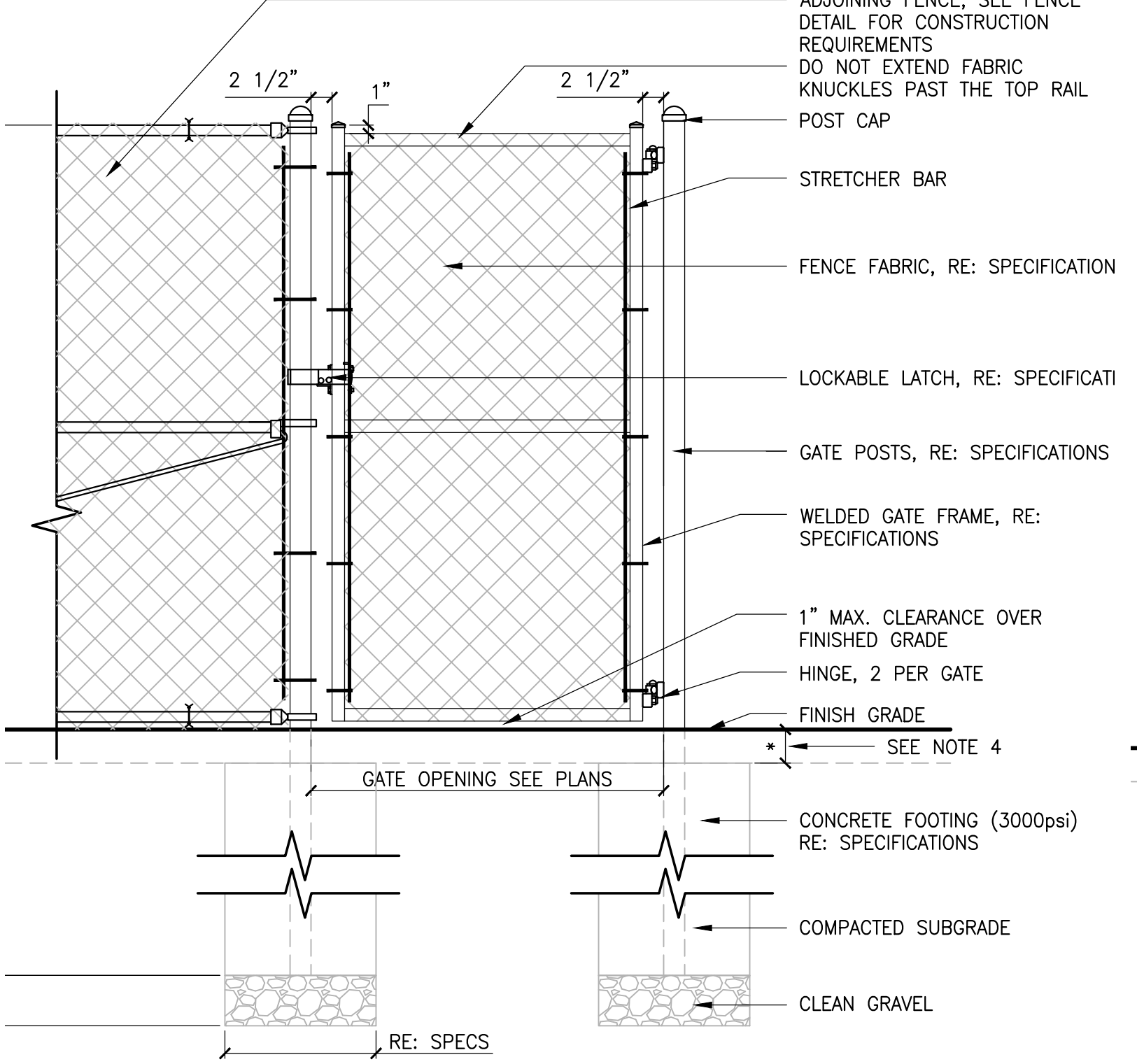
5 6' CHAIN LINK FENCE DETAIL
 SCALE: 3/4\"=1'-0"



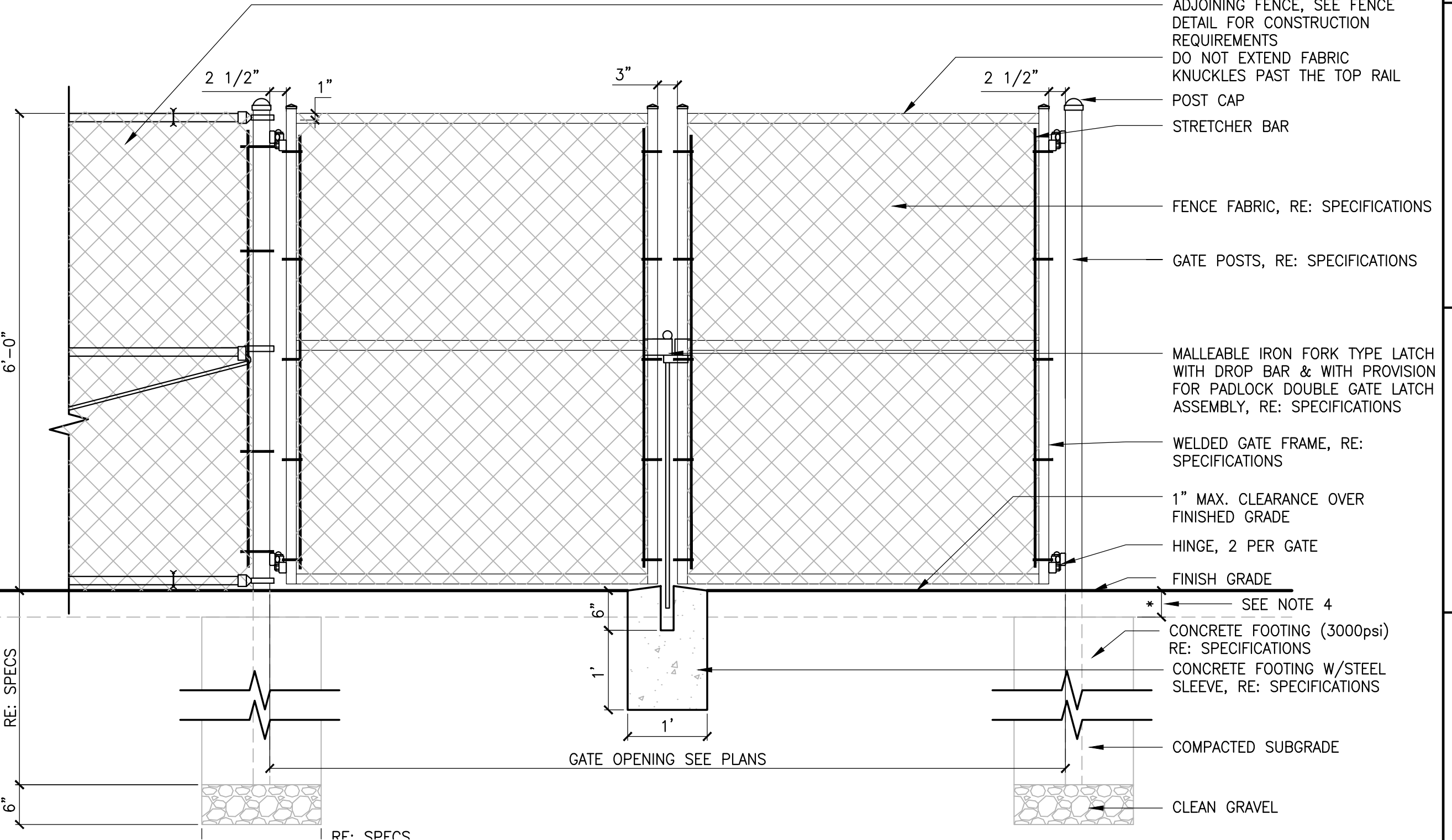
2 6' HIGH BLACK ORNAMENTAL DOUBLE GATE DETAIL
 SCALE:



4 LANDSCAPE RIVER ROCK SECTION
 SCALE:



6 6' CHAIN LINK GATE DETAIL
 SCALE: 3/4\"=1'-0"



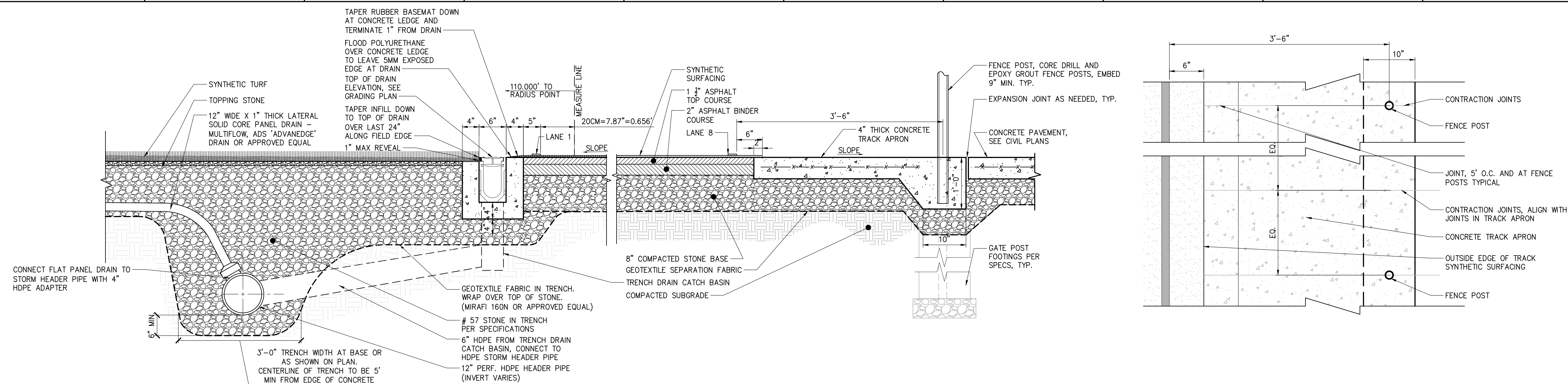
7 6' CHAIN LINK DOUBLE GATE DETAIL
 SCALE: 3/4\"=1'-0"

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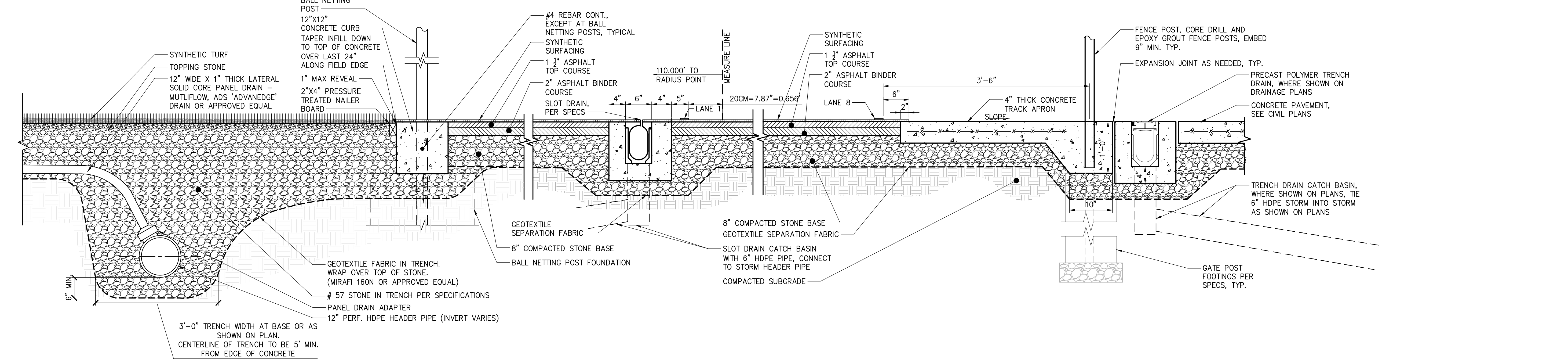
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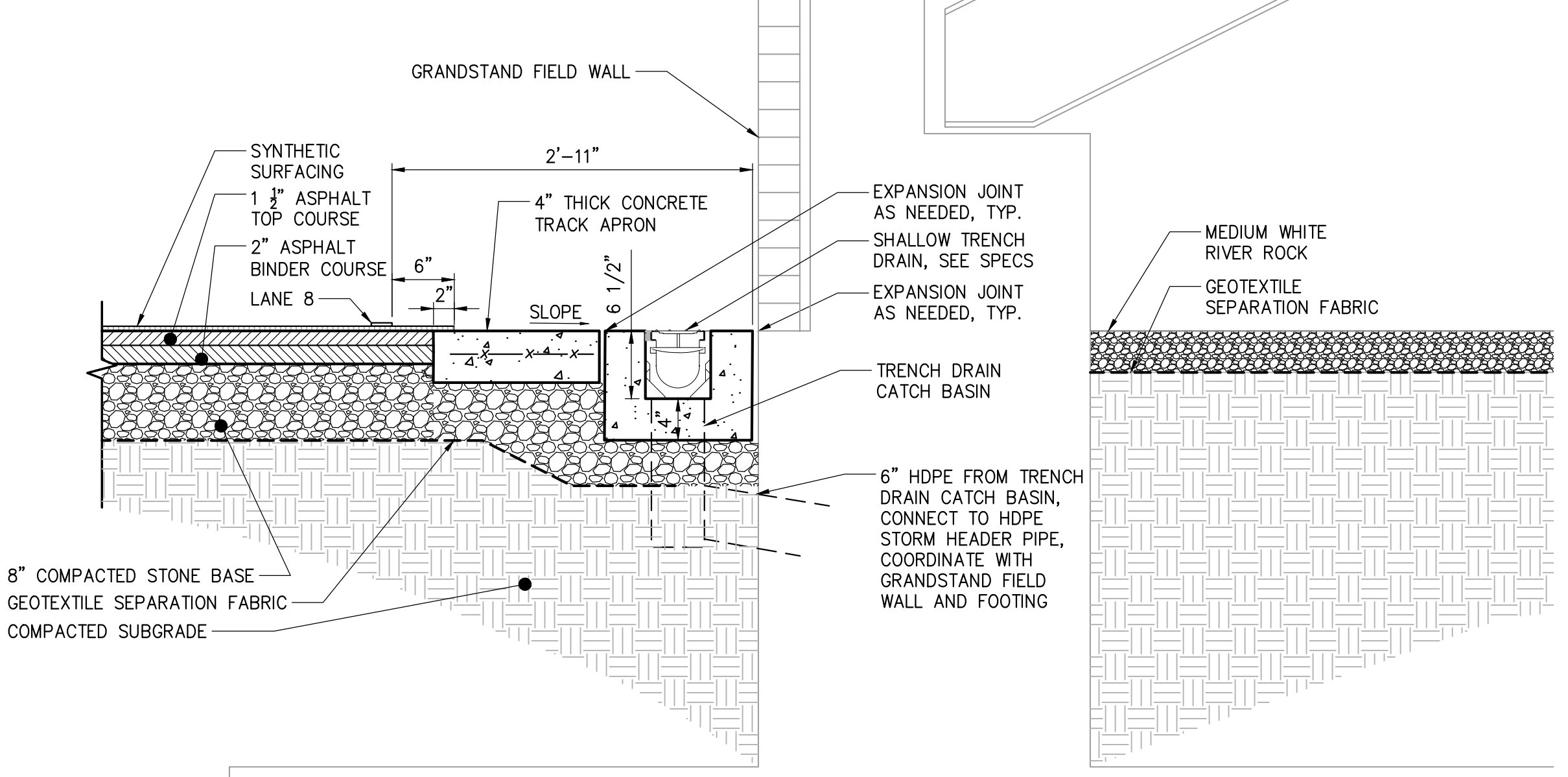
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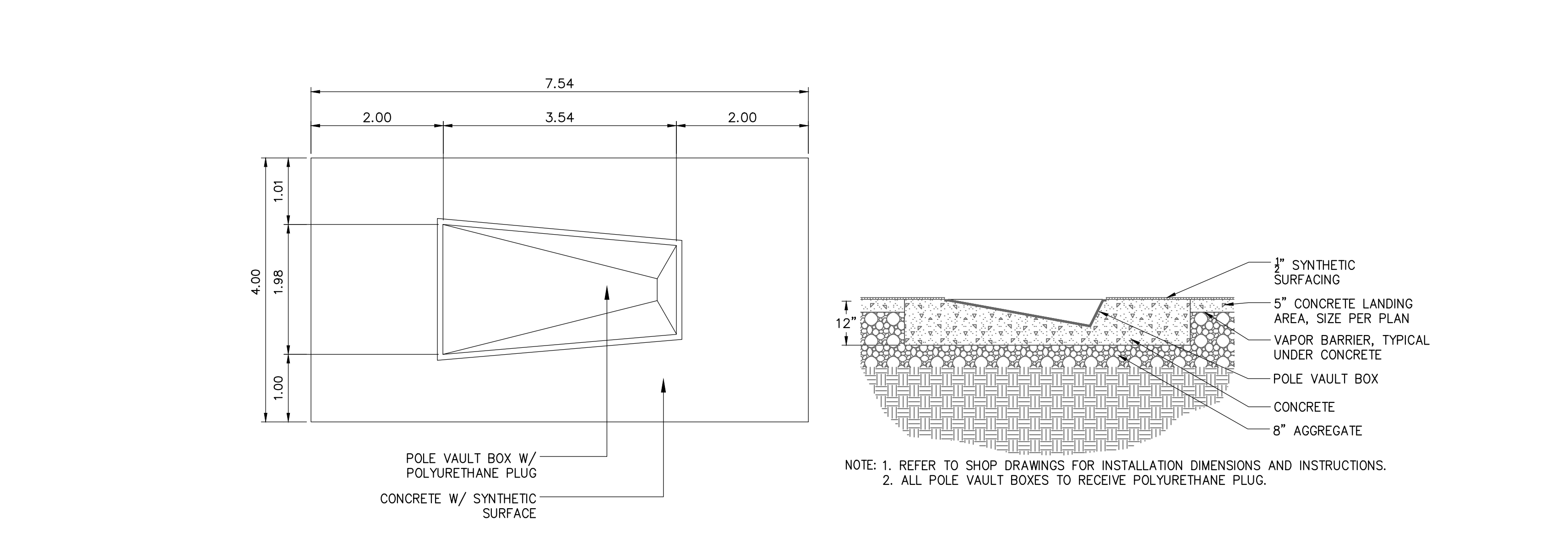
1 TRACK CROSS SECTION AT TRENCH DRAIN AND PERIMETER APRON
 SCALE: NTS



2 TRACK CROSS SECTION AT D-ZONES AND PERIMETER APRON
 SCALE: NTS



3 SECTION AT OUTER TRACK CONCRETE APRON, TRENCH DRAIN, AND FIELD WALL
 SCALE: NTS

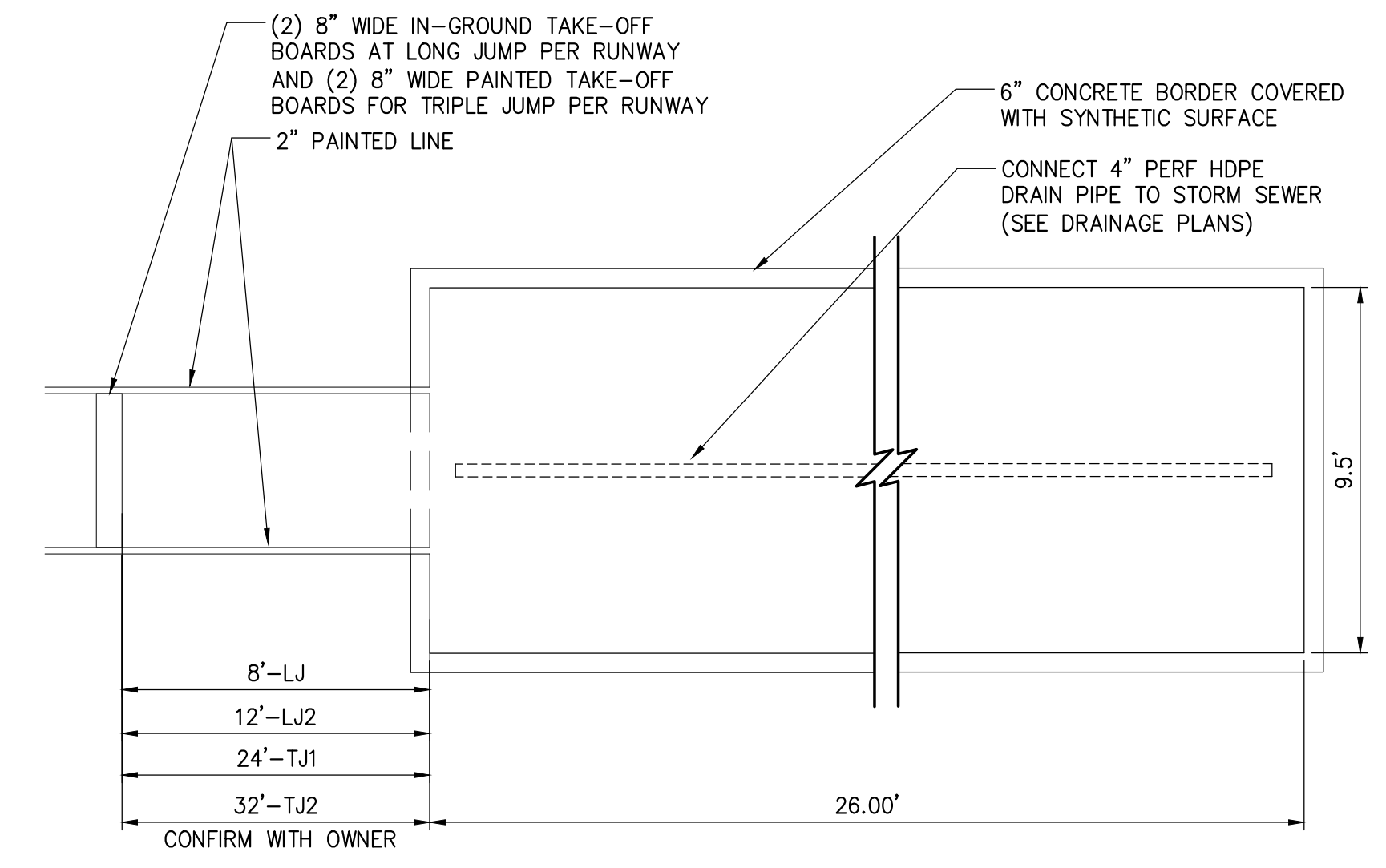


4 POLE VAULT BOX PLAN & SECTION
 SCALE: NTS

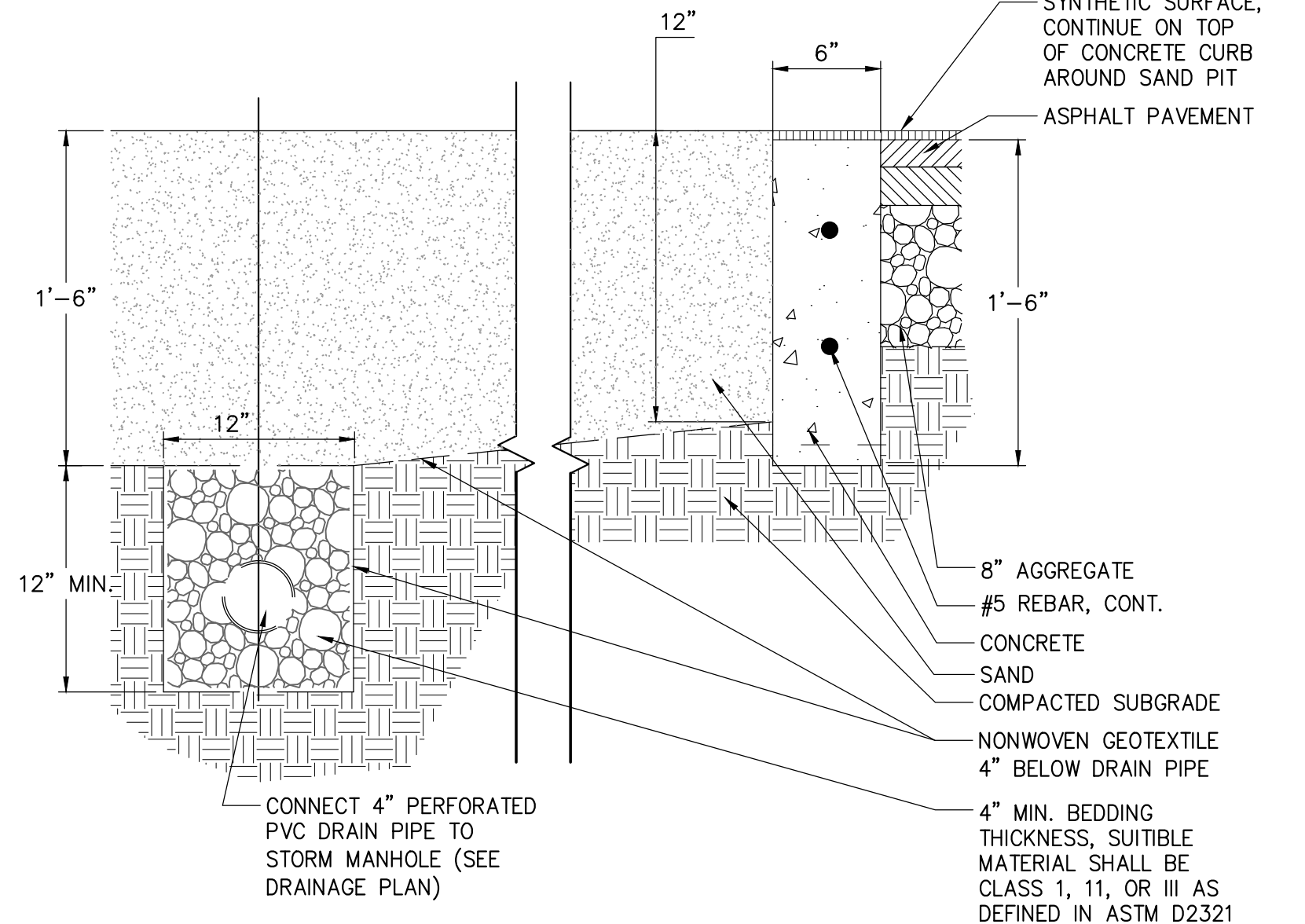
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No.	Description	Date

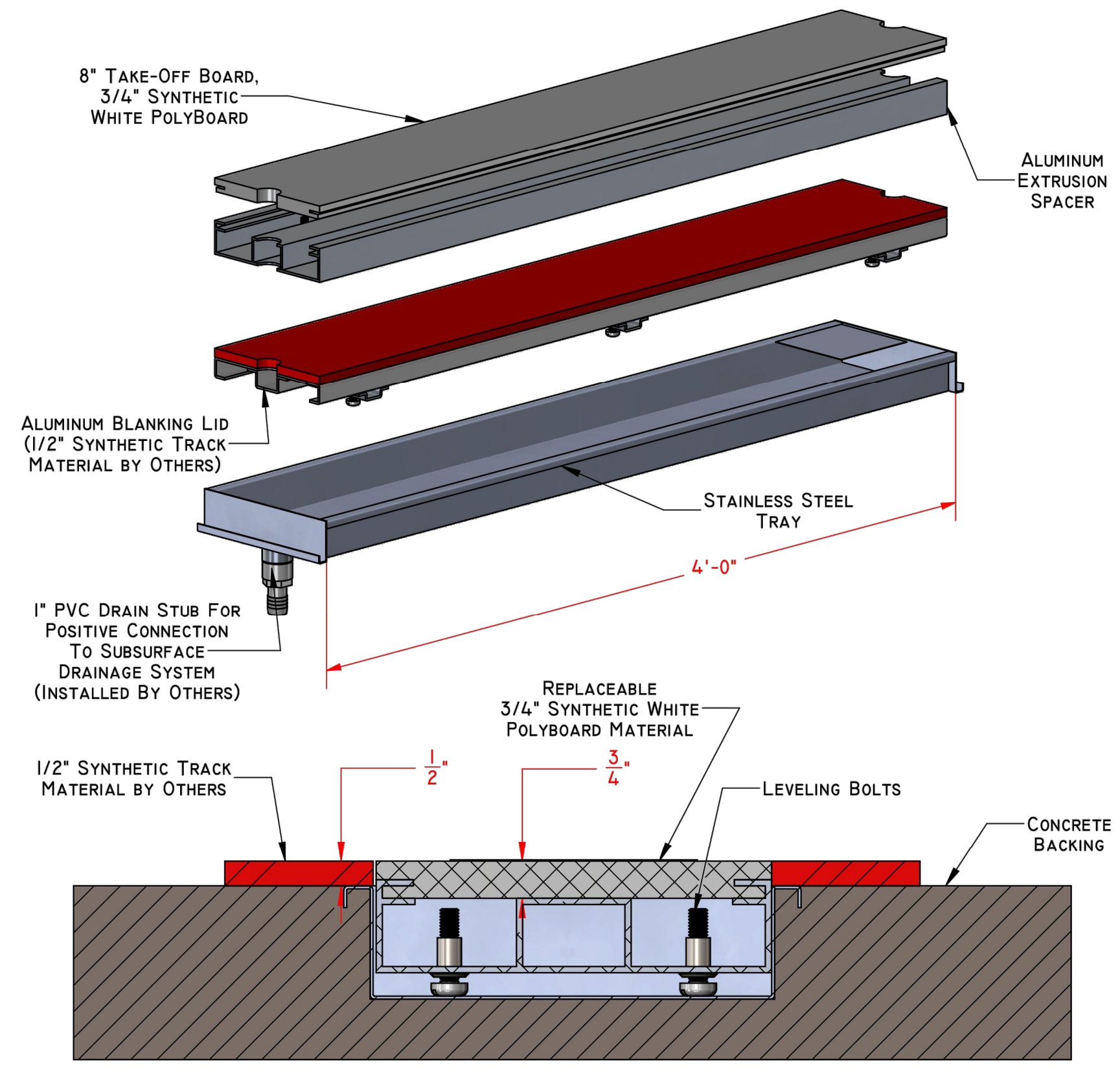
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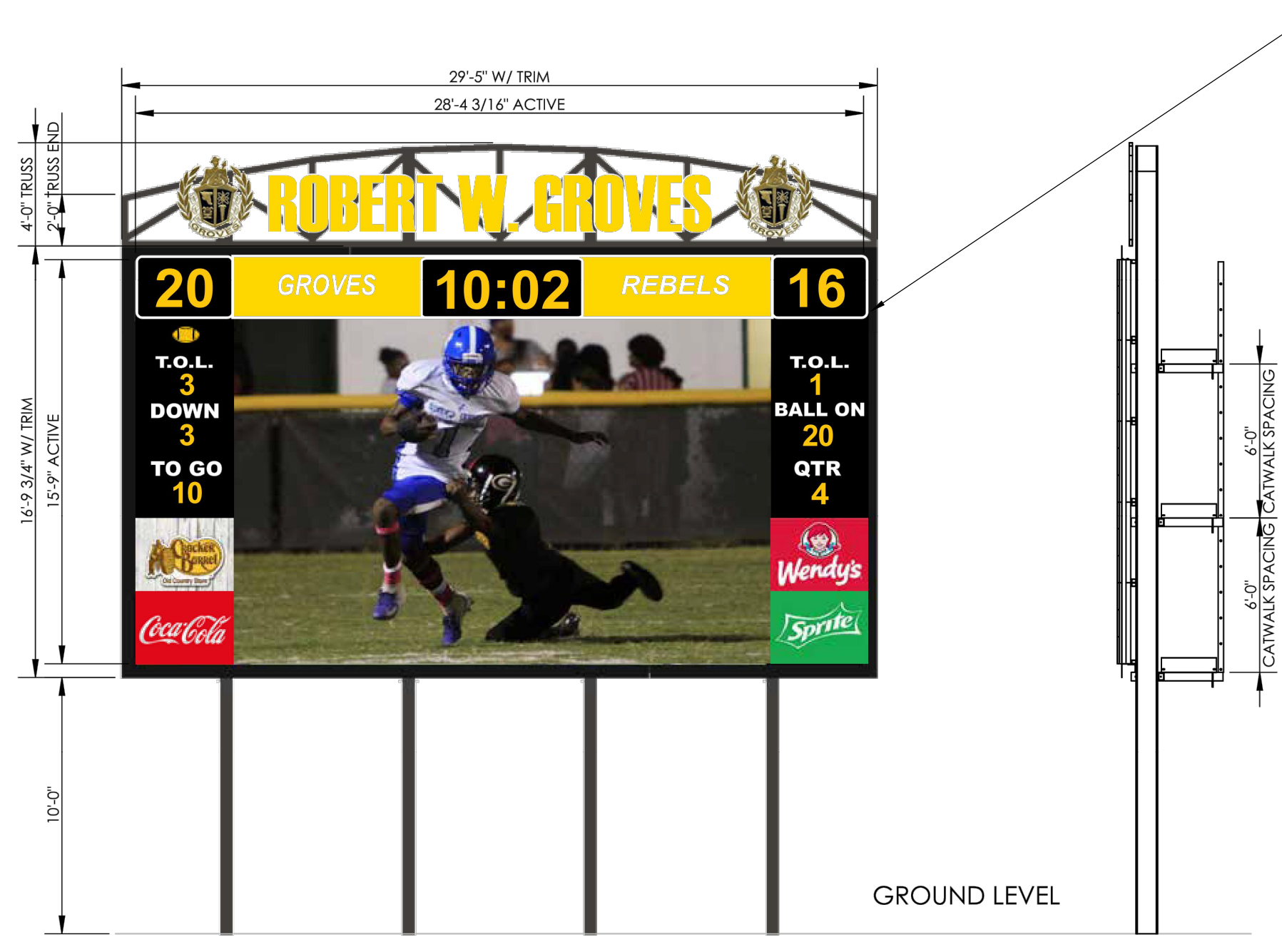
1 LONG/TRIPLE JUMP SAND PIT PLAN
 SCALE: NTS



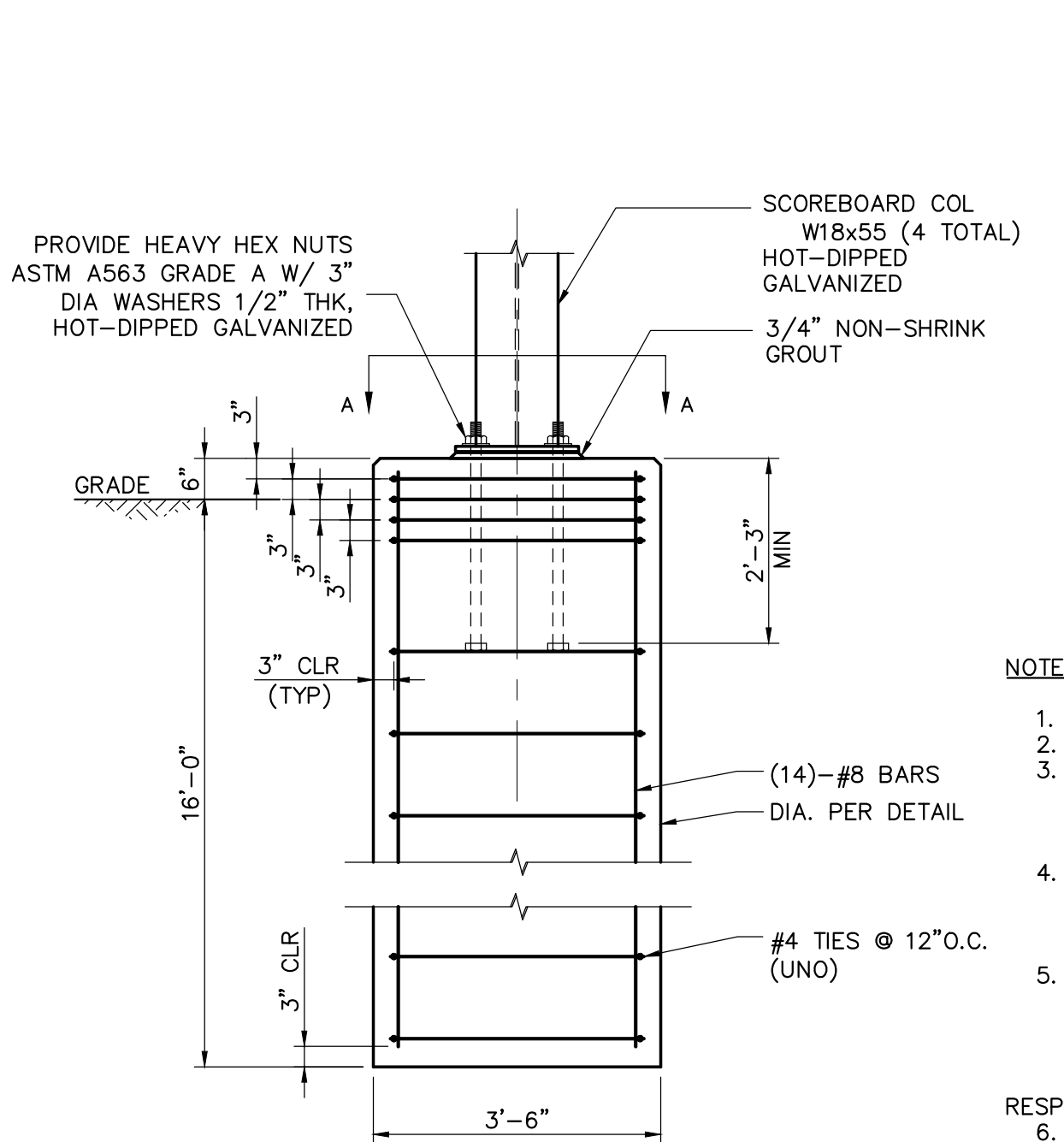
2 LONG/TRIPLE JUMP SAND PIT SECTION
 SCALE: NTS



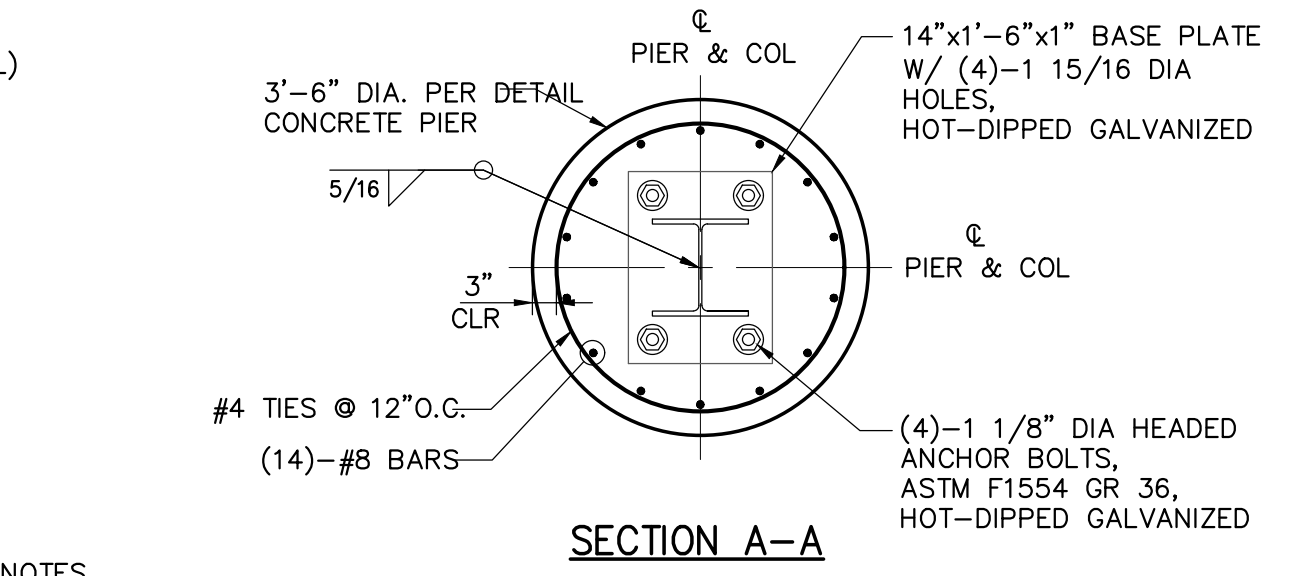
3 LONG/TRIPLE JUMP TAKE-OFF BOARD DETAIL
 SCALE: NTS



4 SCOREBOARD DETAIL
 SCALE: NTS



5 SCOREBOARD FOOTING
 SCALE: NTS



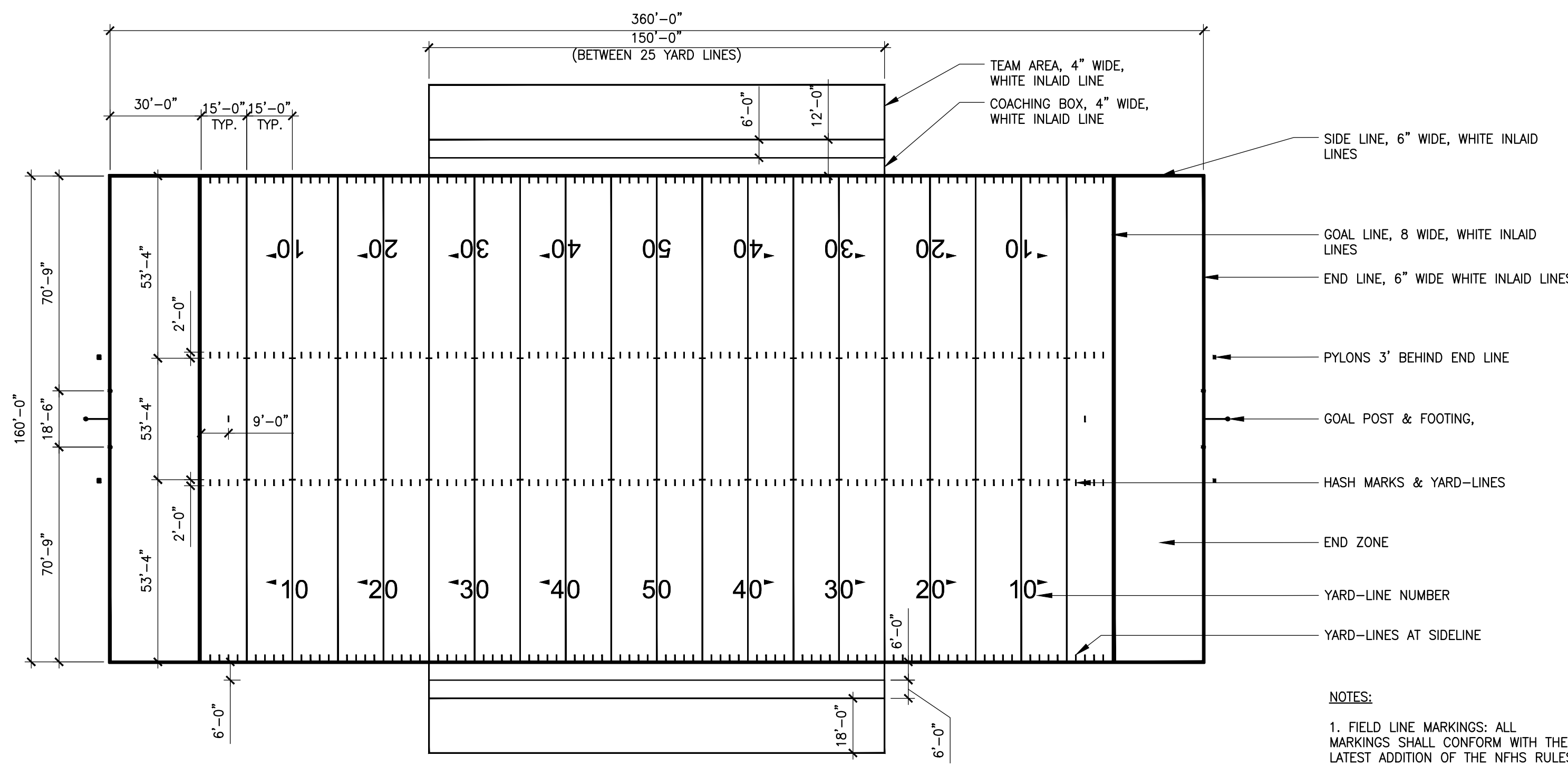
- NOTES
- COORDINATE LOCATION OF PIERS WITH CIVIL DRAWINGS AND SCOREBOARD MANUFACTURER.
 - COORDINATE SCOREBOARD ATTACHMENT TO COLUMNS WITH SCOREBOARD MANUFACTURER.
 - FOUNDATION DESIGNED FOR FOLLOWING LOADS:
 M = 40 FT-K
 V = 2.5 K
 P = 2.0 K
 - CONFIRM FINAL DESIGN LOADS WITH SCOREBOARD MANUFACTURER. PROVIDE SIGNED AND SEALED FOUNDATION SHOP DRAWINGS BASED UPON FINAL SCOREBOARD SELECTION. NOTIFY ENGINEER OF RECORD IF LOADS IN NOTE #3 ARE EXCEEDED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REDESIGN FEES IF DESIGN LOADS ARE EXCEEDED.
 - SCOREBOARD COLUMN AND DRILLED SHAFT FOUNDATION DESIGN BASED ON:
 A. 4 SCOREBOARD SUPPORTS REQUIRED PER SCOREBOARD.
 B. SCOREBOARD MOUNTING HEIGHT = 10'-0" ABOVE GRADE.
- NOTIFY ENGINEER OF RECORD IF BASIS FOR DESIGN IS EXCEEDED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REDESIGN FEES IF BASIS FOR DESIGN IS EXCEEDED.
 6. IF ROCK IS ENCOUNTERED PRIOR TO REACHING FULL EMBED DEPTH, DRILLED SHAFT SHALL BE SOCKETED INTO ROCK TO ACHIEVE FULL EMBED DEPTH SPECIFIED.

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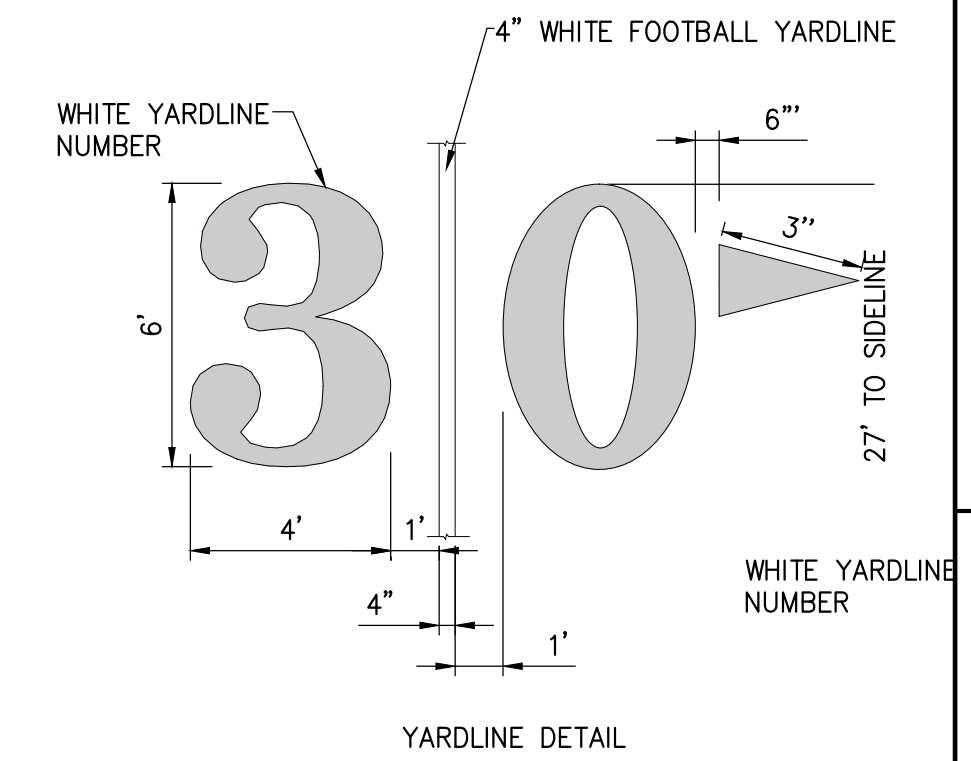
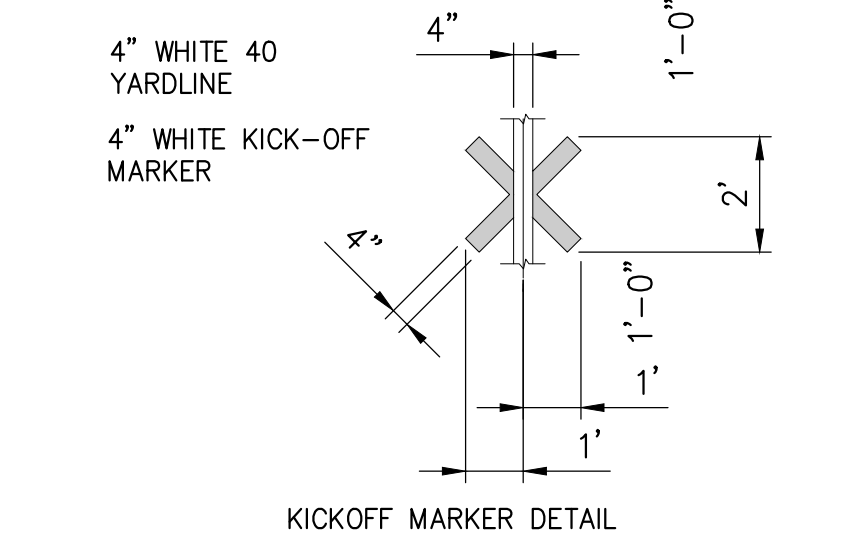
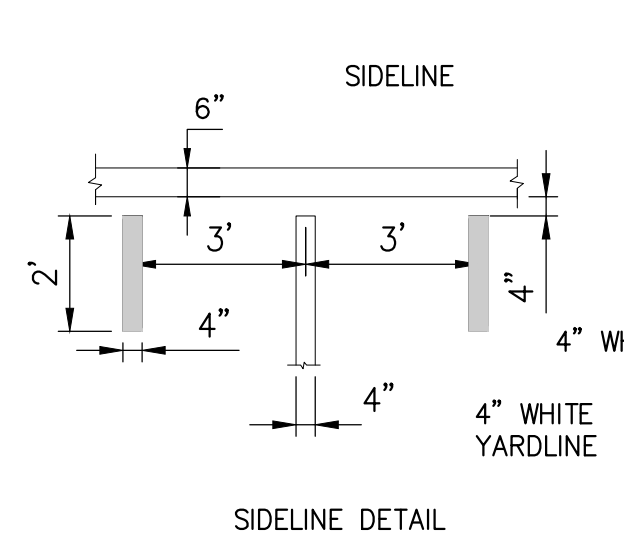
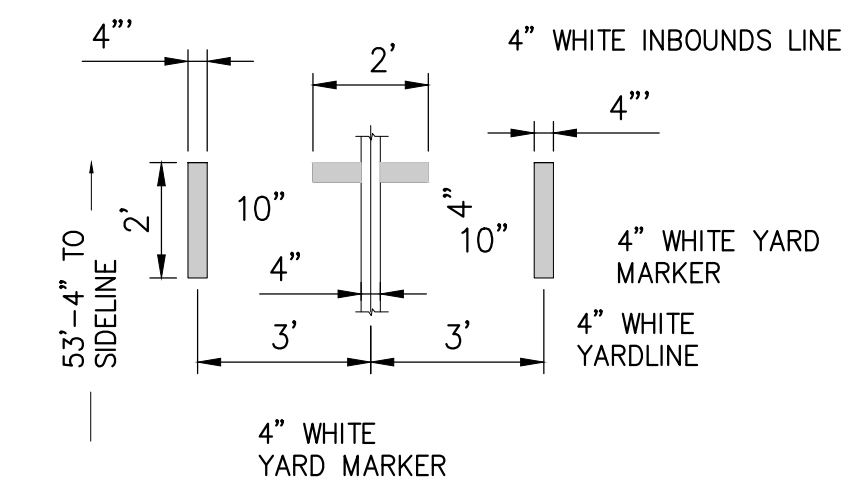
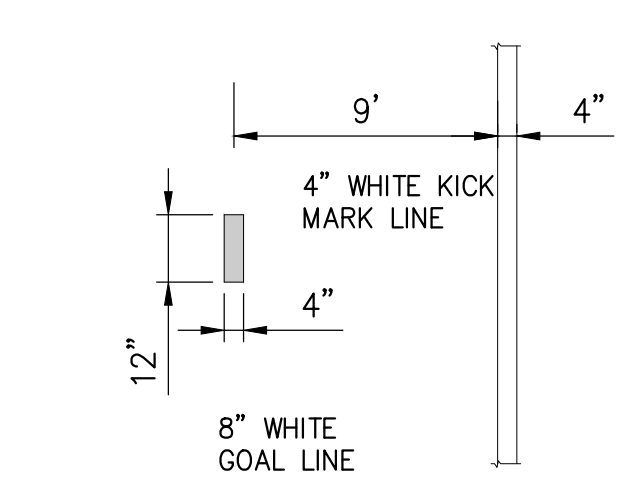
REVISIONS:

No.	Description	Date

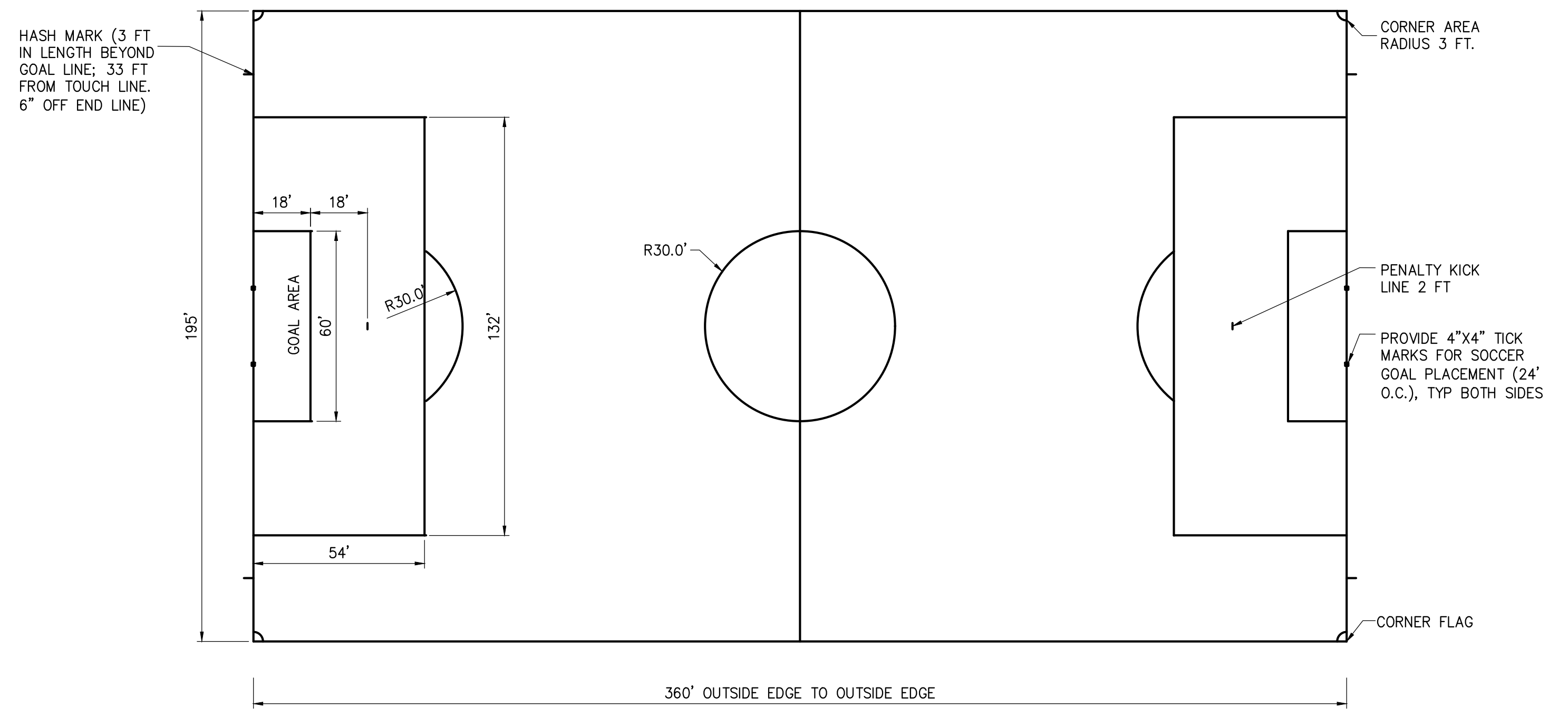
PROJECT: 5201-192070
 DATE: 05/12/2023
 DRAWN BY: TM
 CHECKED BY: PG



- NOTES:
1. FIELD LINE MARKINGS: ALL MARKINGS SHALL CONFORM WITH THE LATEST ADDITION OF THE NFHS RULES. COLOR: WHITE, WIDTH: 4" UNLESS OTHERWISE NOTED
 2. SIDE LINE AND END LINE FIELD DIMENSIONS ARE TO THE INSIDE EDGE OF THE LINES.



1 FOOTBALL FIELD STRIPING DETAILS
 SCALE: 3" = 100'



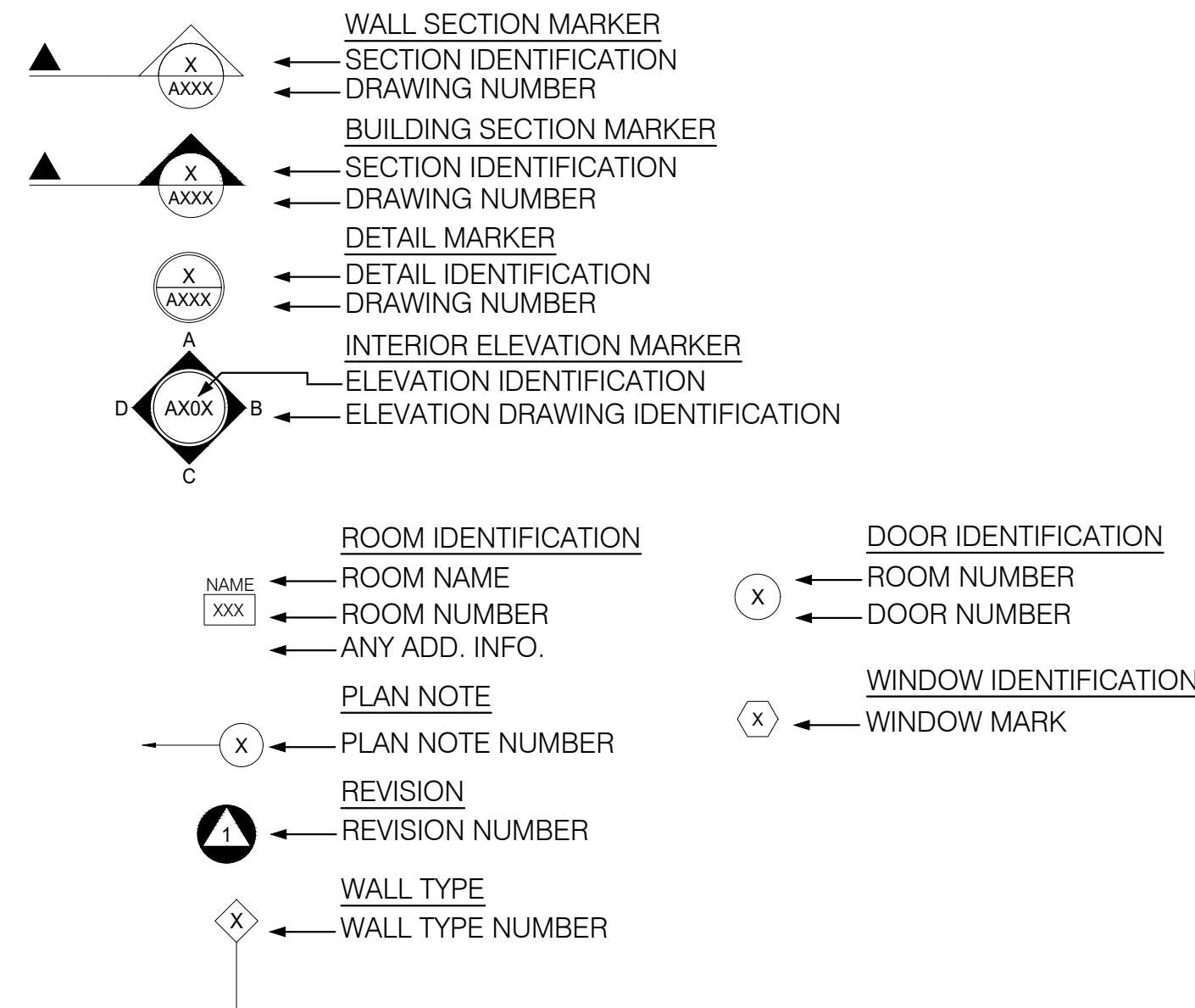
2 STADIUM SOCCER FIELD STRIPING DETAIL
 SCALE: 3" = 100'

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Material Symbols

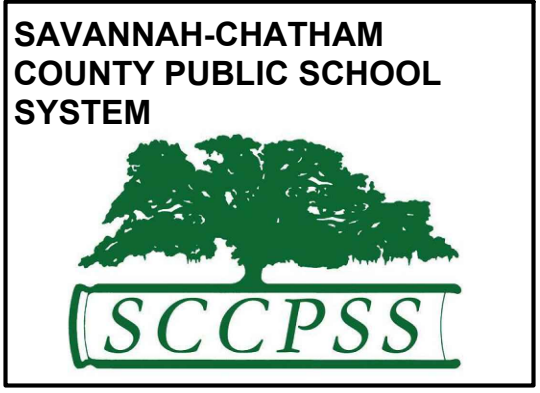
	EARTH		FINISHED WOOD
	AGGREGATE BASE		ROUGH WOOD
	SAND/GYPSUM BOARD		PLYWOOD
	CONCRETE		RIGID INSULATION
	BRICK		GLASS FIBER INSULATION
	CONCRETE MASONRY UNIT		NEW STUD CONSTRUCTION
	IVANY BLOCK		EXISTING CONSTRUCTION TO REMAIN
	METALS		EXISTING CONSTRUCTION TO BE REMOVED
	PVC TRIM		

Drawing Symbols

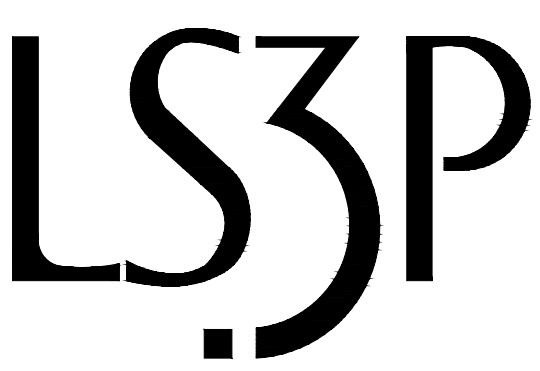


Abbreviations

AC	AIR CONDITIONING	EQ	EQUAL	MRGWB	MOISTURE RESISTANT GYPSUM W. B.
A.C.T.	ACOUSTICAL CEILING TILE	EXT	EXTERIOR	N	NORTH
AFF	ABOVE FINISHED FLOOR	FD	FLOOR DRAIN	NIC	NOT IN CONTRACT
ALUM	ALUMINUM	FIN	FINISH	NTS	NOT TO SCALE
APT	APARTMENT	FLR	FLOOR	O.C.	ON CENTER
B&B	BALLED AND BERLAP	FLUOR	FLUORESCENT	P.C.	PLUMBING CONTRACTOR
BD	BOARD	FE	FIRE EXTINGUISHER	PLAS	PLASTIC
BLDG	BUILDING	FT	FOOT/FEET	PL or P.LAM	PLASTIC LAMINATE
BLKG	BLOCKING	G	GAS LINE	PLUMB.	PLUMBING
CB	CATCH BASIN	GAL	GALLON	PP	PEAT POT
CJ	CONTROL JOINT	GWB	GYPSUM WALL BOARD	PT	PAINT/PRESSURE TREATED
CL	CENTERLINE	GYP	GYPSUM	P.V.C.	POLYVINYL CHLORIDE
CLR	CLEAR	H	HEAD	QT	QUARRY TILE
CLG	CEILING	H.C.	HEATING CONTRACTOR	QUA.	QUANTITY
CMT	CERAMIC MOSAIC TILE	HM	HOLLOW METAL	RC	ROOT CUTTING
CMU	CONCRETE MASONRY UNIT	HT	HEIGHT	RD	ROOF DRAIN
CONC	CONCRETE	HORIZ.	HORIZONTAL	REQD	REQUIRED
CPT	CARPET	HWR	HOT WATER RETURN	SIM	SIMILAR
CT	CERAMIC TILE	HWS	HOT WATER SUPPLY	TB	TOWEL BAR
DN	DOWN	INSUL	INSULATION	TTD	TOILET TISSUE DISPENSER
DS	DOWN SPOUT	J	JAMB	TYP	TYPICAL
DWG	DRAWING	L.P.	LAMINATED PLASTIC	V	VINYL
EXIST.	EXISTING	LAM	LAMINATE	VCT	VINYL COMPOSITION TILE
ELEC	ELECTRIC	MAS.	MASONRY	VERT	VERTICAL
E.C.	ELECTRICAL CONTRACTOR	MECH	MECHANICAL	VWC	VINYL WALL COVERING
E.I.F.S.	EXTERIOR INSULATION FINISH SYS.	MAX	MAXIMUM	w/	WITH
E.J.	EXPANSION JOINT	MIN	MINIMUM	WD	WOOD
ELEV	ELEVATION	M.H.	MANHOLE	WWF	WELDED WIRE FABRIC
MTL	METAL	MK	MARK		



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Project Data

CODE INFORMATION

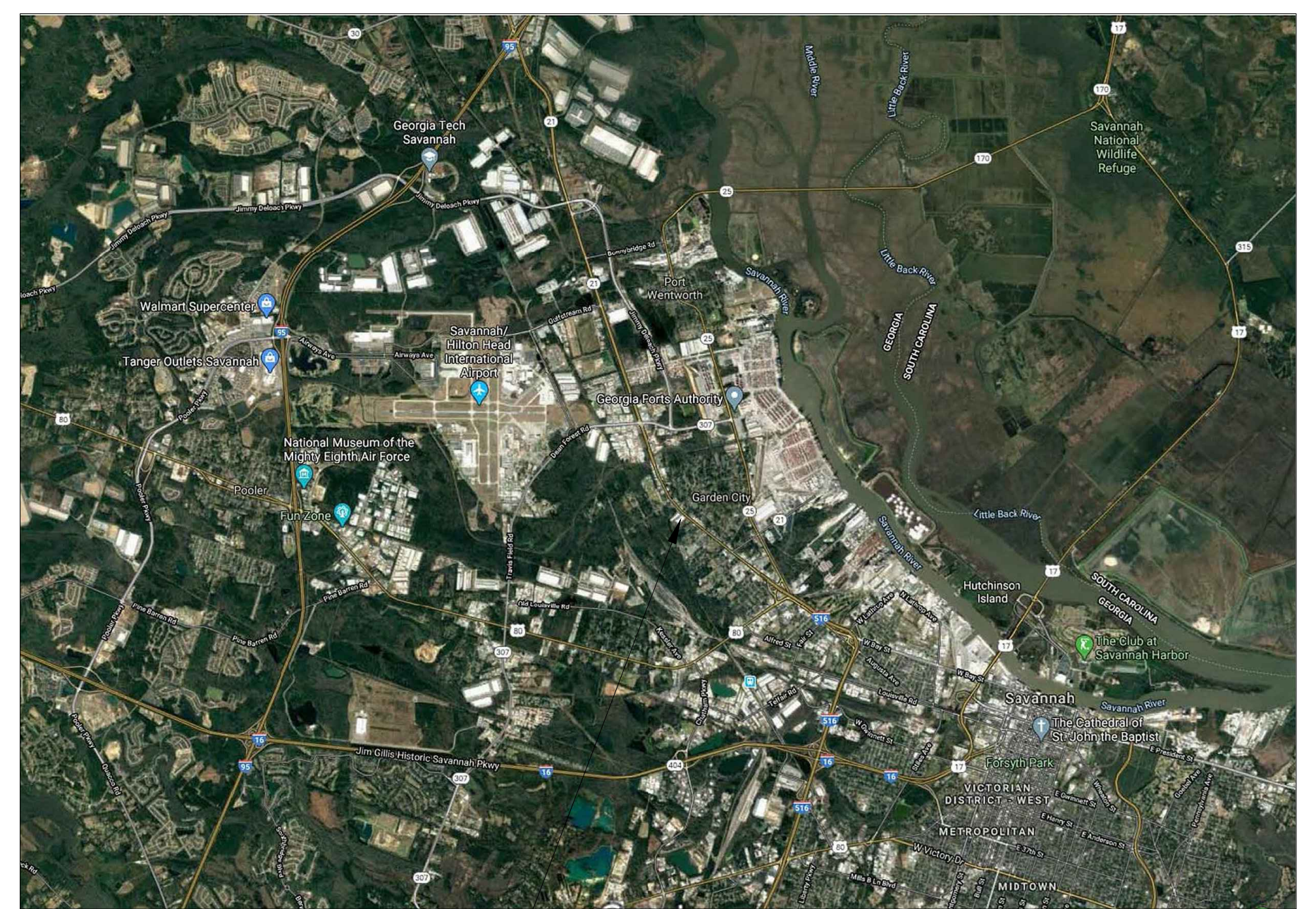
THIS PORTION OF THE PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW 3082 SEAT STADIUM WITH ASSOCIATED SUPPORT BUILDINGS AND PRESS BOX.

GRANDSTANDS		OFFICIALS&ELECTRIC ROOM	
OCCUPANCY GROUP:	A-5 ASSEMBLY	OCCUPANCY GROUP:	U
OCCUPANCY LOAD:	3082 SEATS	OCCUPANCY LOAD:	13 PERSONS
ALLOWABLE BUILDING HEIGHT:	UNLIMITED	ALLOWABLE BUILDING HEIGHT:	40 FT
ACTUAL BUILDING HEIGHT:	34' - 6"	ACTUAL BUILDING HEIGHT:	9' - 4"
ALLOWABLE BUILDING AREA:	UNLIMITED	ALLOWABLE BUILDING AREA:	5,500 SF
HOME GRANDSTAND AREA:	11,818 SF	OFFICIALS ROOMS AREA:	429 SF
VISITOR GRANDSTAND AREA:	11,213 SF	ELECTRIC ROOM AREA:	118 SF
CONSTRUCTION TYPE:	TYPE IIB	CONSTRUCTION TYPE:	TYPE VB

PRESSBOX	
OCCUPANCY GROUP:	A-5 ASSEMBLY
OCCUPANCY LOAD:	14 PERSONS
ALLOWABLE BUILDING HEIGHT:	40 FT
ACTUAL BUILDING HEIGHT:	8' - 0"
ALLOWABLE BUILDING AREA:	UL
ACTUAL BUILDING AREA:	495 SF
CONSTRUCTION TYPE:	TYPE VB

BUILDING:	GEORGIA STATE BUILDING CODE 2018 IBC
ACCESSIBLTY:	ICC A117.1 - 2009
ELECTRICAL:	GEORGIA STATE ELECTRICAL CODE NFPA 70-17
MECHANICAL:	GEORGIA STATE MECHANICAL CODE 2018 IMC
PLUMBING:	GEORGIA STATE PLUMBING CODE 2018 IPC
OTHER:	GRANDSTAND CODE ICC 300-17

Project Location



PROJECT LOCATION

REVISIONS:

No.	Description	Date

PROJECT: 5201-192070
DATE: 10/09/2020
DRAWN BY: BEB
CHECKED BY: KL

PROJECT DATA, BUILDING CODE, SYMBOLS AND ABBREVIATIONS
SR-700

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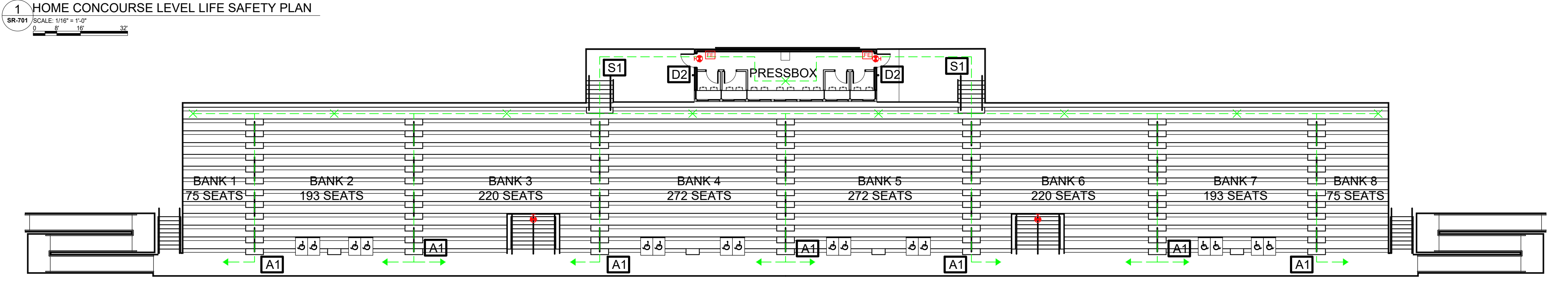
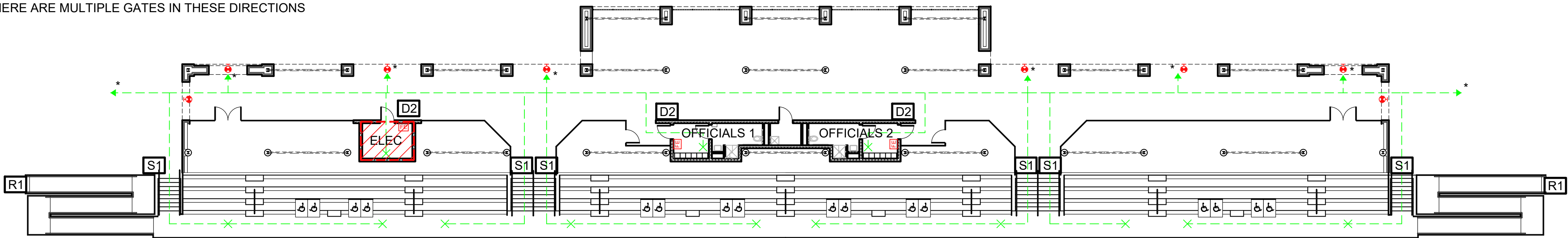
REVISIONS:

No.	Description	Date

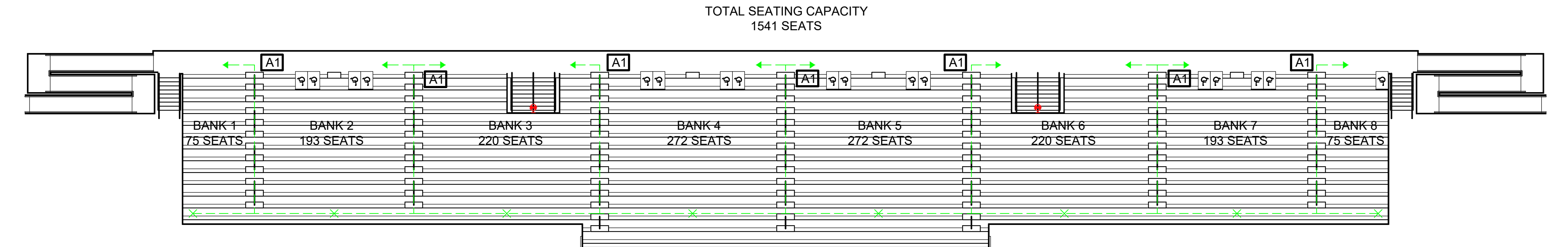
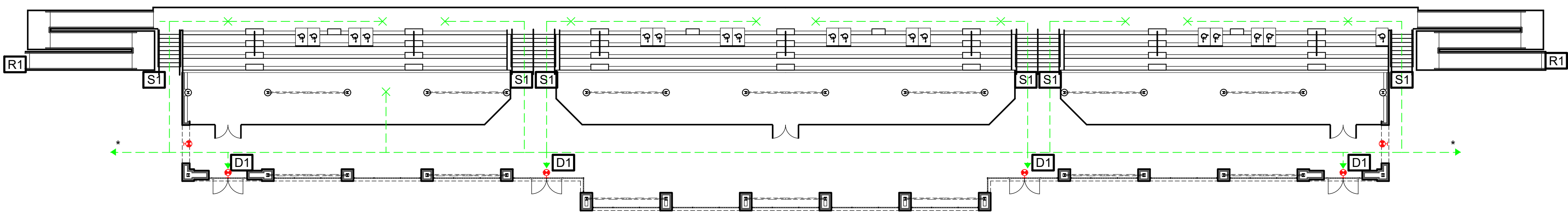
PROJECT: 5201-192070
 DATE: 10/09/2020
 DRAWN BY: BEB
 CHECKED BY: KL

HOME (WEST) GRANDSTAND LIFE SAFETY PLANS
SR-701

*THERE ARE MULTIPLE GATES IN THESE DIRECTIONS



*THERE ARE MULTIPLE GATES IN THESE DIRECTIONS



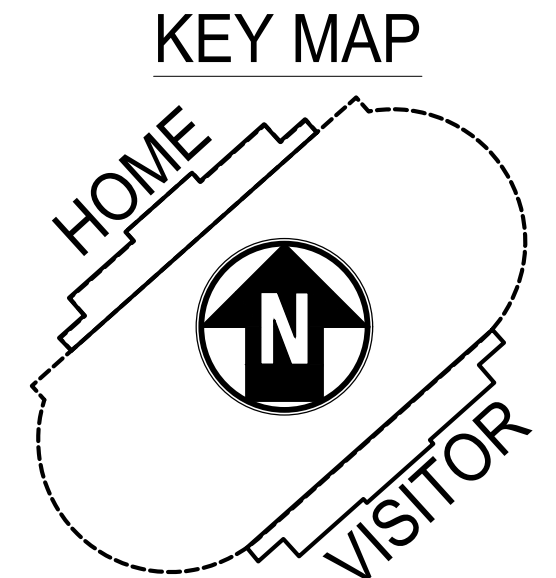
LIFE SAFETY SYMBOL KEY

- PATH OF TRAVEL
- FIRE EXTINGUISHER - WALL MOUNTED
- EMERGENCY EXIT LIGHT
- 1 HR RATED WALLS & ROOF

EXIT CAPACITY
 LOAD FACTOR
 EXIT COMPONENT

D1	DOOR	.20	420
D2	DOOR	.20	180
S1	STAIR	.08	675
A1	AISLE	.08	600
R1	RAMP	.066	727

AREA	OCCUPANT LOAD	EXIT CAPACITY
HOME GRANDSTAND	1541 PERSONS	5,504 PERSONS
VISITOR GRANDSTAND	1541 PERSONS	5,504 PERSONS
PRESSBOX	14 PERSONS	360 PERSONS
OFFICIALS 1	6 PERSONS	180 PERSONS
OFFICIALS 2	6 PERSONS	180 PERSONS
ELECTRIC ROOM	1 PERSONS	180 PERSONS



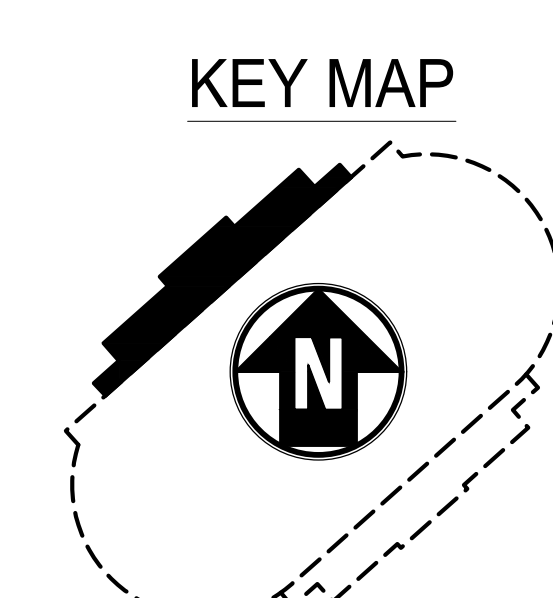
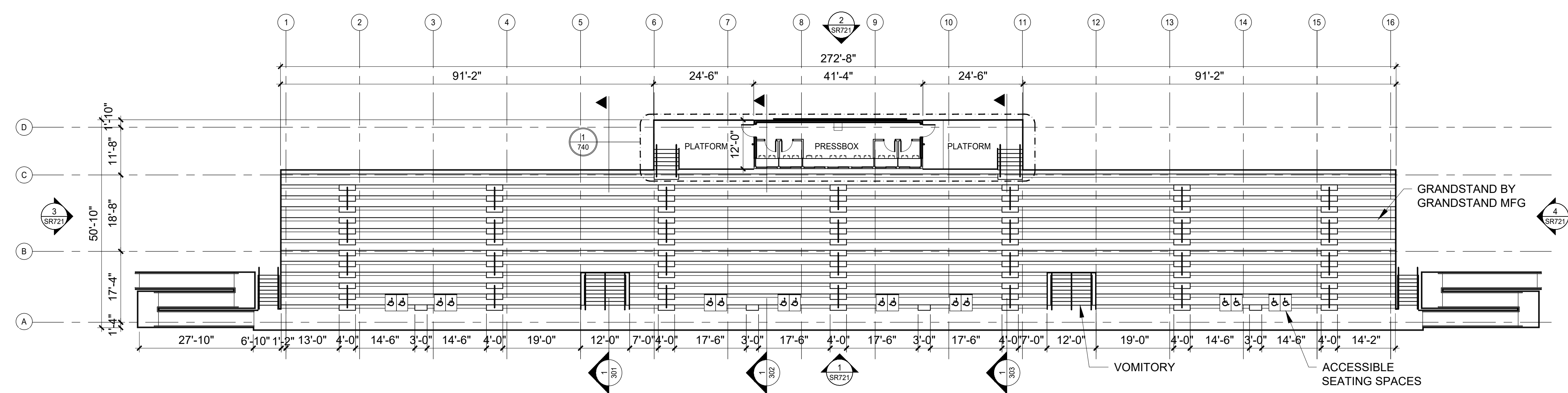
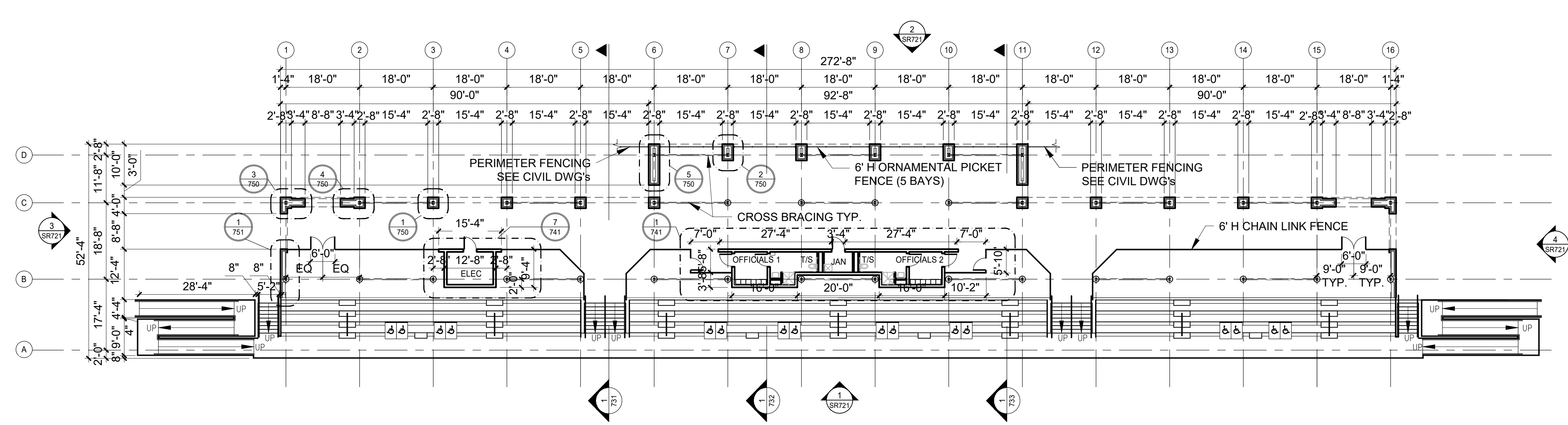
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HOME (WEST)
GRANDSTAND
PLANS
SR-711



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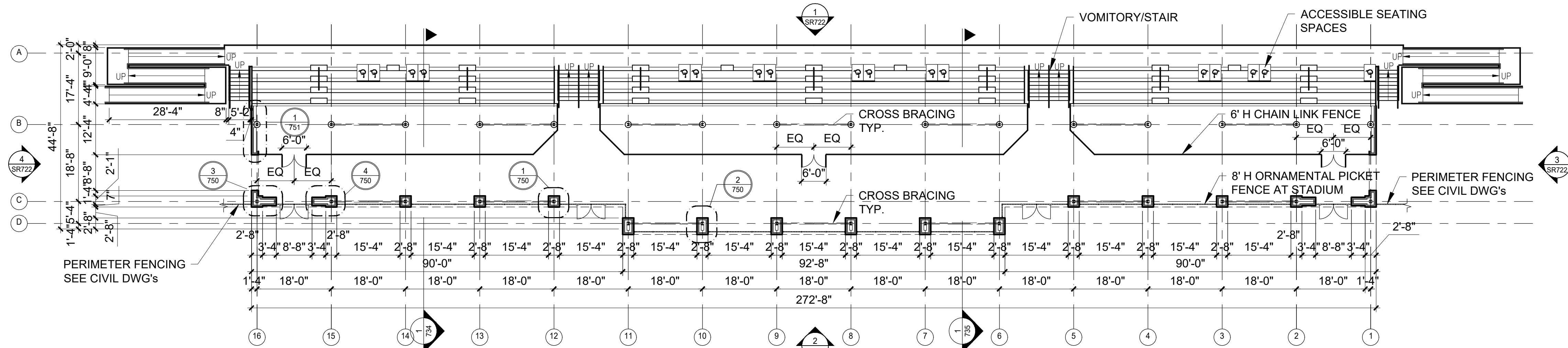
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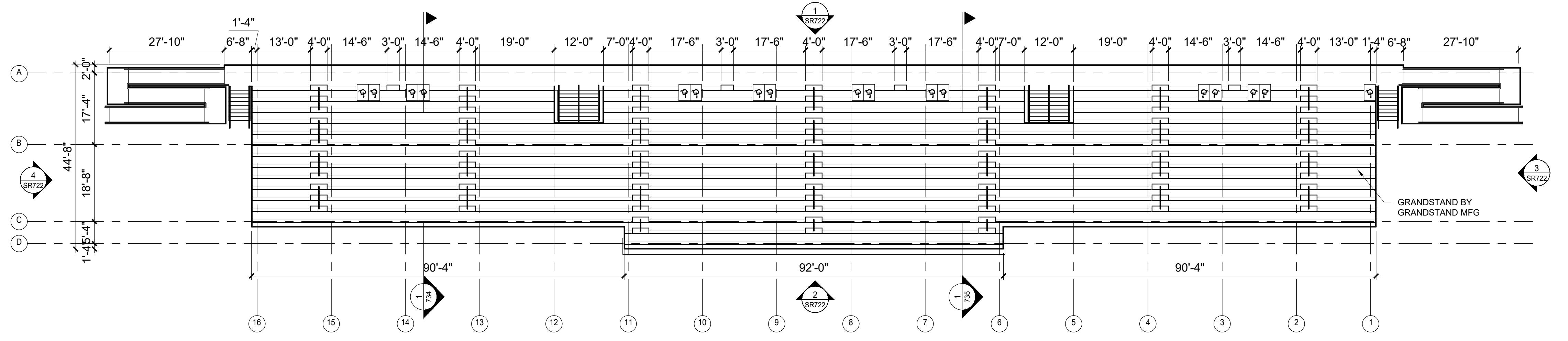
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DATE: 10/09/2020
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**VISITOR (EAST)
GRANDSTAND
PLANS**

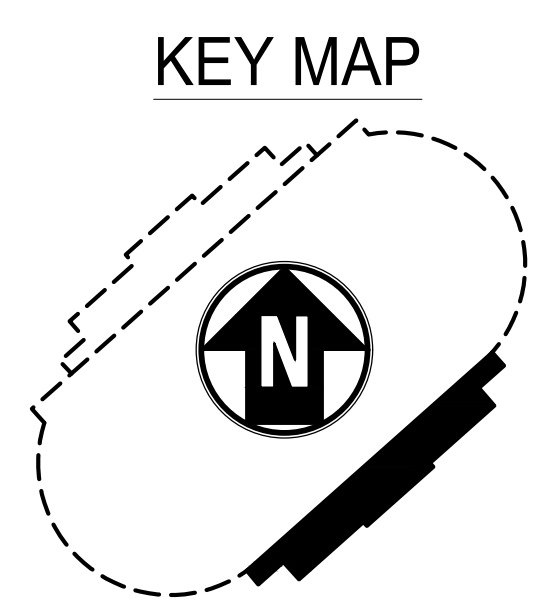
SR-712



2 VISITOR CONCOURSE PLAN
SR-712 SCALE: 1/16" = 1'-0"
0 10 20 30



1 VISITOR GRANDSTAND PLAN
SR-712 SCALE: 1/16" = 1'-0"
0 10 20 30

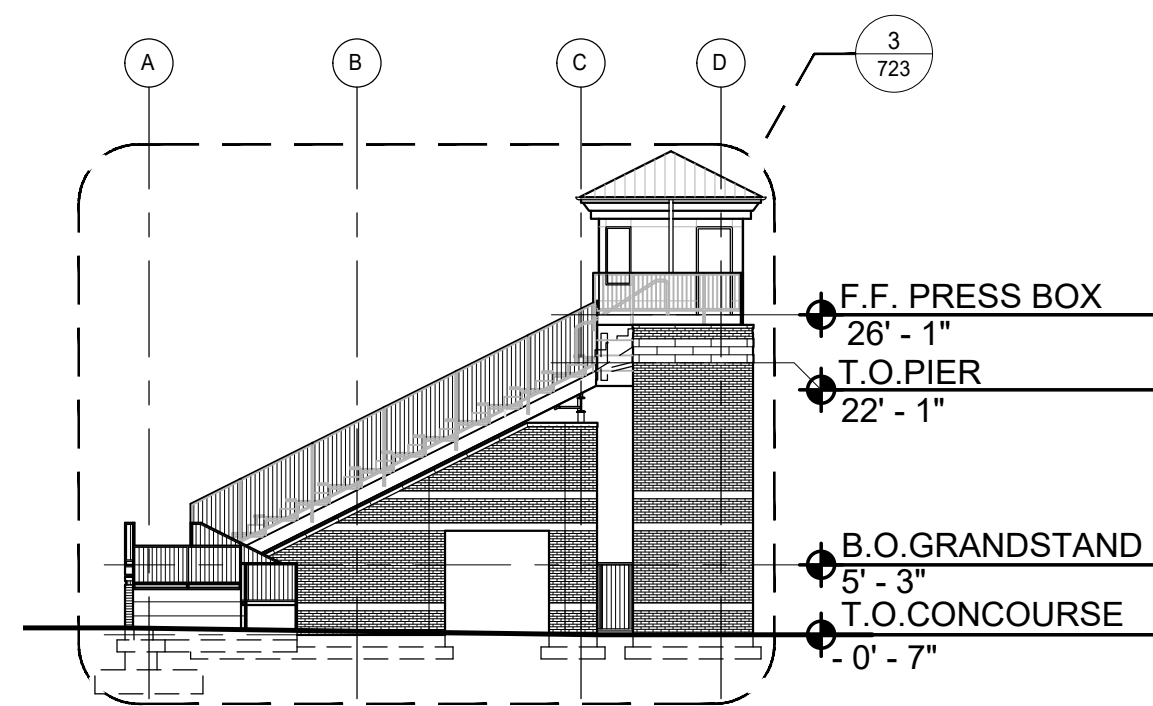
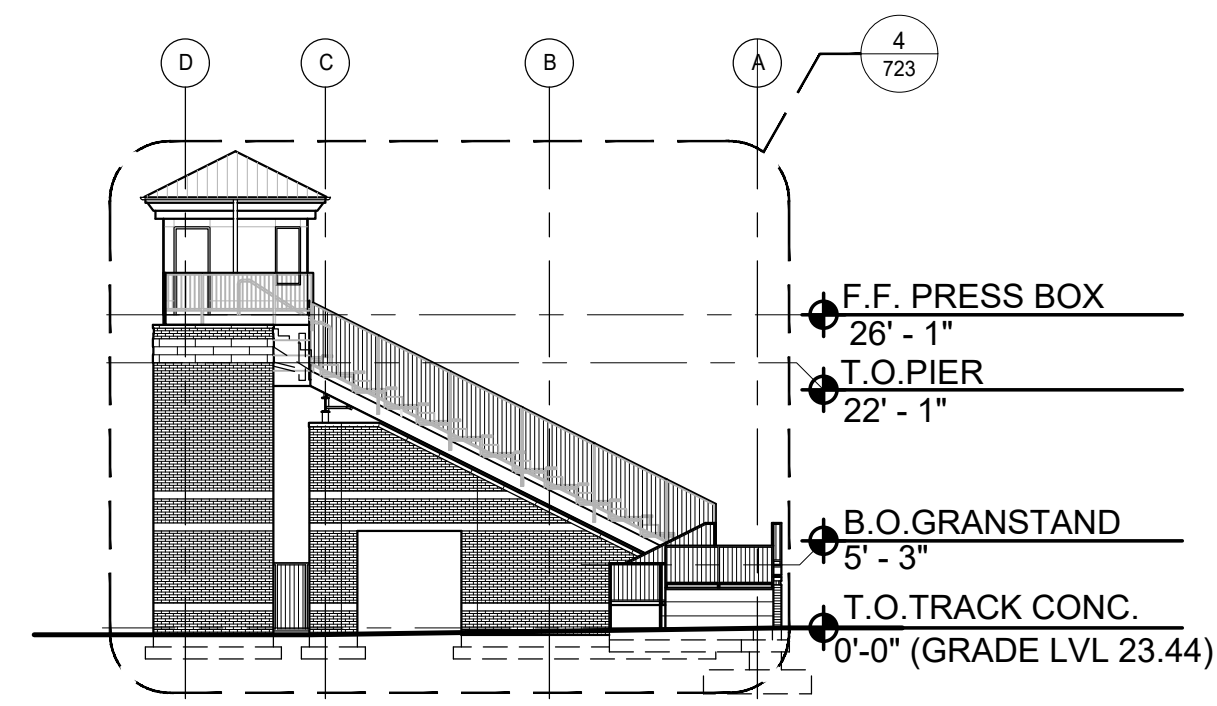


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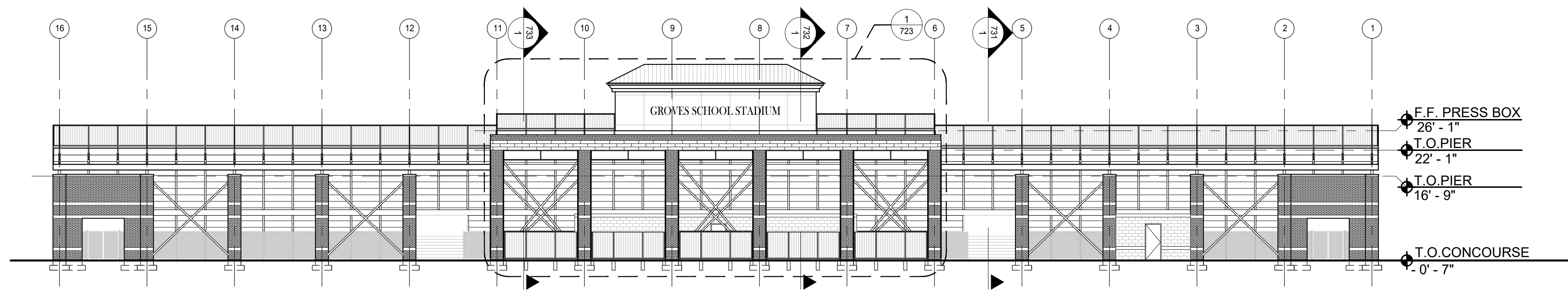
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PROJECT: 5201-192070
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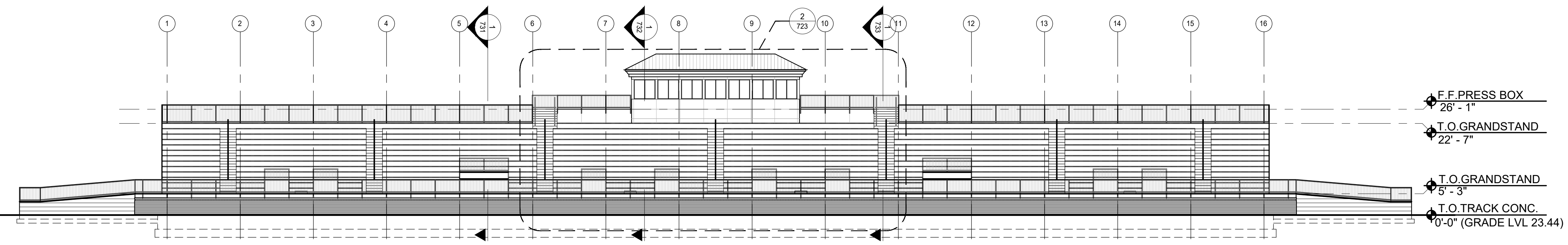


3 HOME GRANDSTAND NORTH ELEVATION

4 HOME GRANDSTAND SOUTH ELEVATION



2 HOME GRANDSTAND EAST ELEVATION



1 HOME GRANDSTAND WEST ELEVATION

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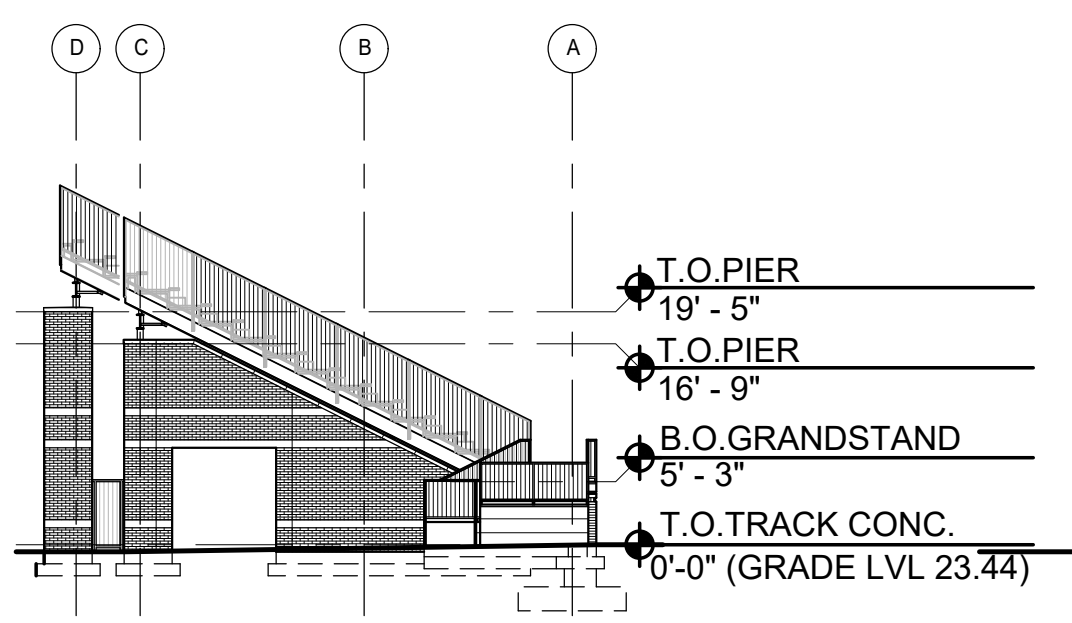
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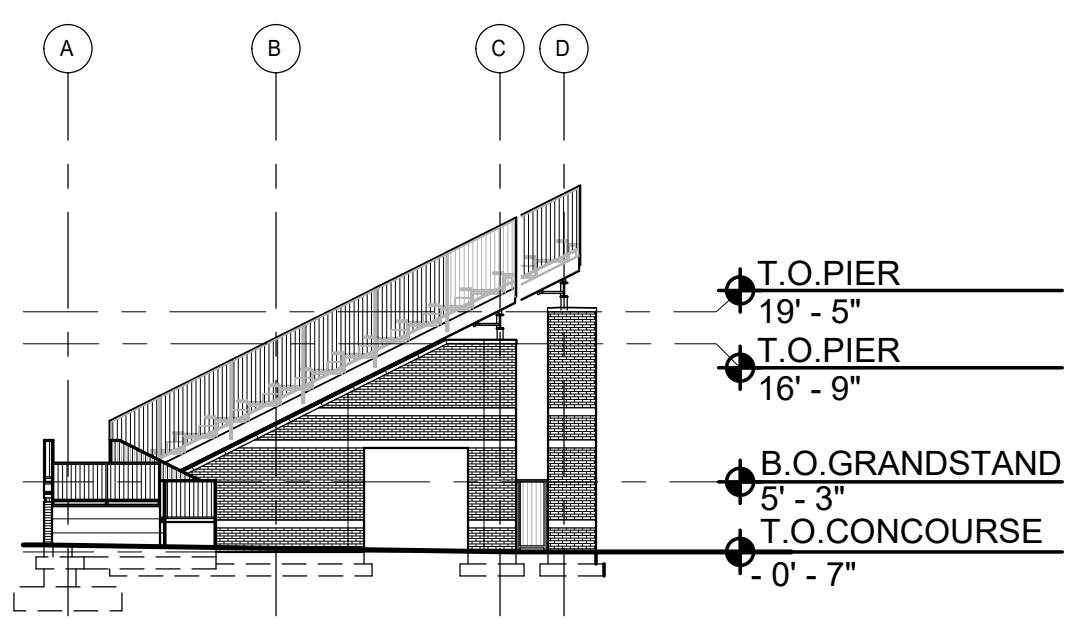
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DATE: 10/09/2020
DRAWN BY: BEB
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VISITOR
GRANDSTAND
ELEVATIONS

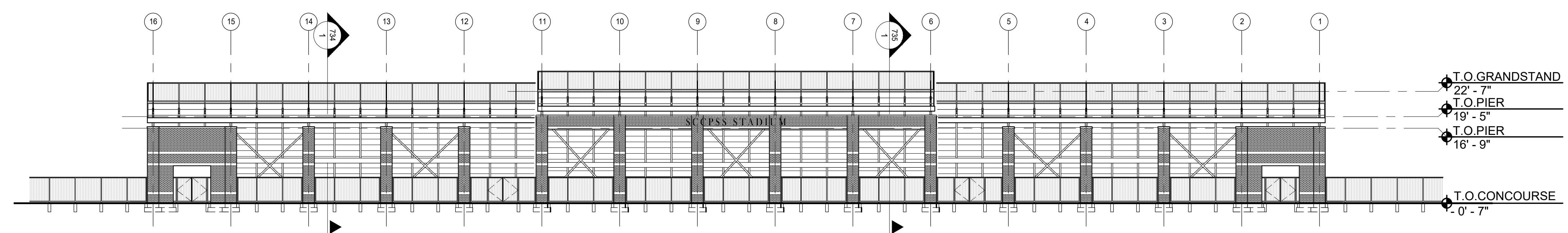
SR-722



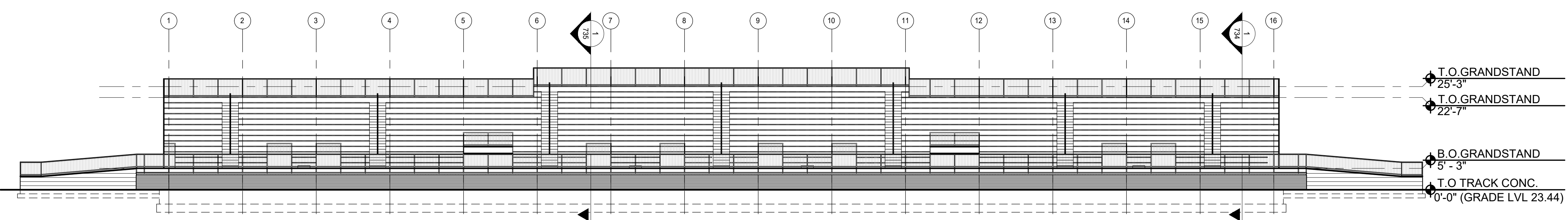
3 VISITOR GRANDSTAND SOUTH ELEVATION
SCALE: 1/16" = 1'-0"
0 8' 16' 32'



4 VISITOR GRANDSTAND NORTH ELEVATION
SCALE: 1/16" = 1'-0"
0 8' 16' 32'



2 VISITOR GRANDSTAND WEST ELEVATION
SCALE: 1/16" = 1'-0"
0 8' 16' 32'



1 VISITOR GRANDSTAND EAST ELEVATION
SCALE: 1/16" = 1'-0"
0 8' 16' 32'

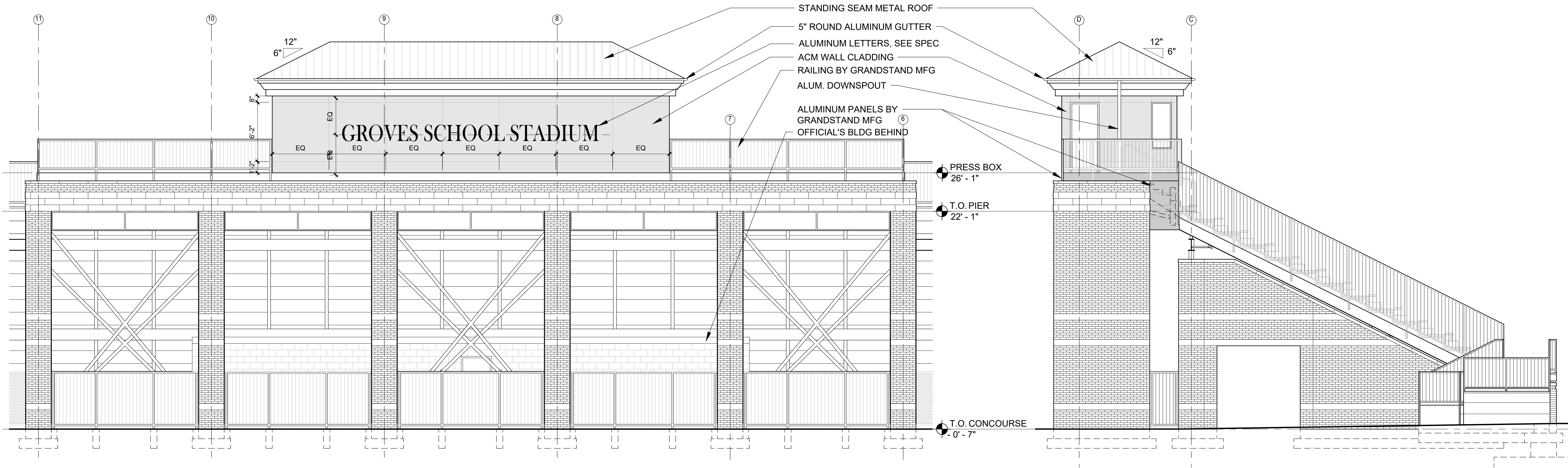
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REVISIONS:

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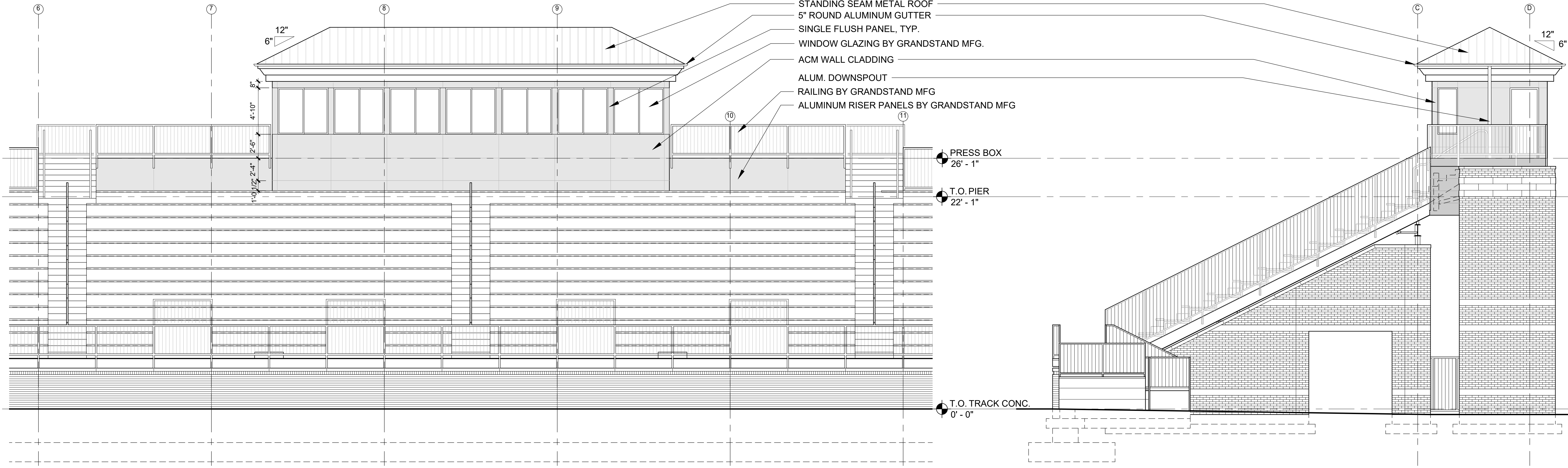
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 DATE: 10/09/2020
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 CHECKED BY: KL

PRESSBOX ENLARGED ELEVATIONS
SR-723



2 PRESSBOX ENLARGED EAST ELEVATION
 SCALE: 3/16" = 1'-0"
 0 4 8 12

4 PRESSBOX ENLARGED NORTH ELEVATION
 SCALE: 3/16" = 1'-0"
 0 4 8 12



1 PRESSBOX ENLARGED WEST ELEVATION
 SCALE: 3/16" = 1'-0"
 0 4 8 12

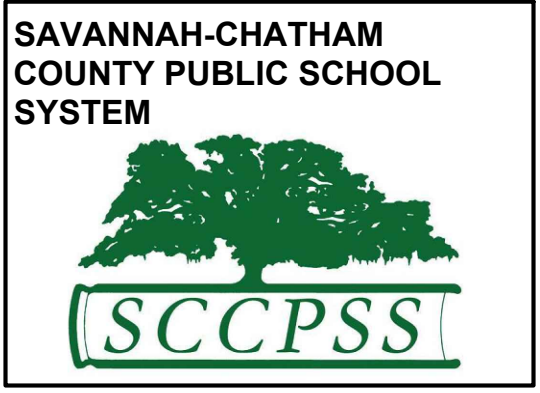
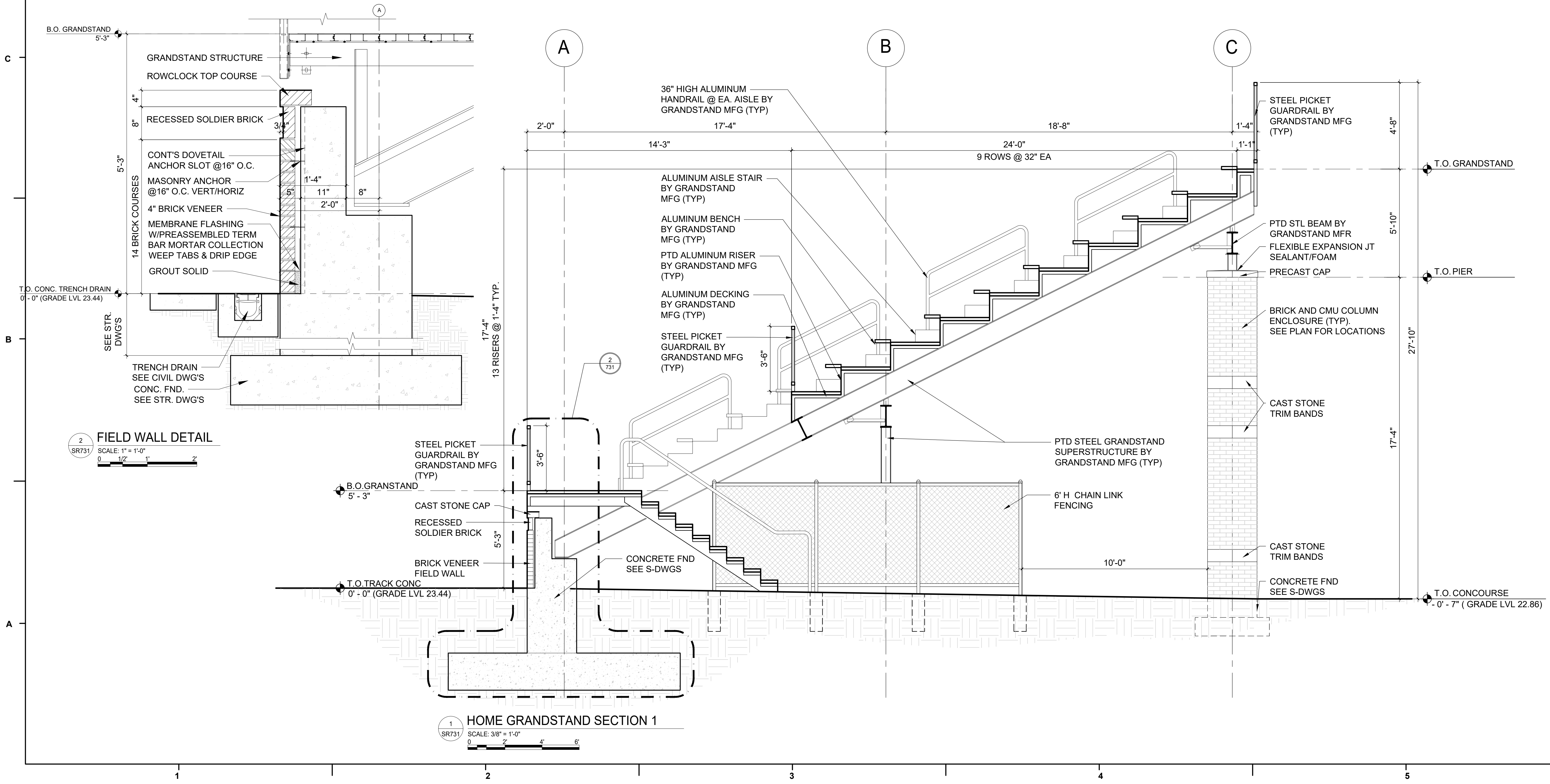
3 PRESSBOX ENLARGED SOUTH ELEVATION
 SCALE: 3/16" = 1'-0"
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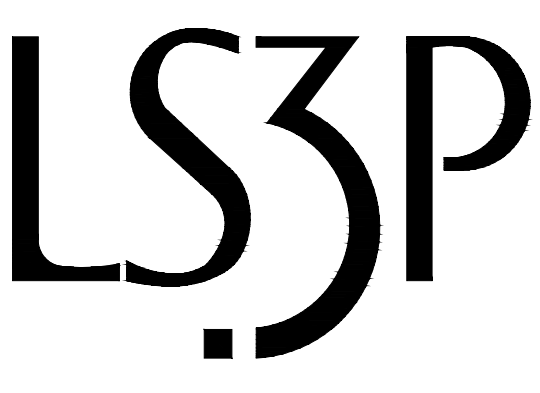
- THE GRANDSTAND MANUFACTURER IS RESPONSIBLE FOR:
1. THE GRANDSTAND STEEL SUPERSTRUCTURE INCLUDING COLUMNS, RAKER BEAMS, SUPPORT BEAMS AND CROSS-BRACING
 2. THE DESIGN OF ALL ASSOCIATED CONCRETE FOUNDATION AND CONCRETE FOOTING WORK REQUIRED (TO BE INSTALLED BY OTHERS)
 3. ALL GRANDSTAND GUARDRAILS: FIELD/FRONT AISLE, GRANDSTAND SIDES AND BACK, VOMITORIES AND VOMITORY STAIRS
 4. ALUMINUM DECKING, SEAT BOARDS, AND RISER CLOSURE PLATES
 5. VERTICAL AISLE STEPS AND MID-AISLE RAILINGS
 6. CLOSURE PLATES AND RAILING AT ACCESSIBLE SEATING CUT-OUTS
 7. FRONT AISLE RAMP SYSTEM AND ALL ASSOCIATED GUARDS AND HANDRAILS (NORTH AND SOUTH ENDS)
 8. VOMITORY GUARDS, STAIRS AND HANDRAILS
 9. THE FILMING PLATFORMS, GUARDS AND FIELD SIDE CLOSURE PANELS
 10. THE ACCELERATOR STAIRS AND ASSOCIATED GUARDS AND RAILINGS AT THE FILMING PLATFORMS
 11. PRESS BOX PER PRESS BOX NOTES
 12. THE DESIGN OF AT GRADE FLUSH CONCRETE PADS/LANDINGS FOR THE STAIRS AND RAMPS (TO BE INSTALLED BY OTHERS)

- GENERAL NOTES:
1. THE GRANDSTAND SHALL CONFORM TO THE CURRENT BUILDING CODE AND ICC-300 AS ADOPTED BY THE STATE AND ALL OTHER APPLICABLE CODES AND REGULATIONS-(FEDERAL/STATE/LOCAL)
 2. STEEL SUPERSTRUCTURE TO BE PAINTED, COLOR TO BE SELECTED BY OWNER
 3. VERIFY ALL STAIRS AND RAMPS WITH FINAL GRADING - REFER TO CIVIL DRAWINGS
 4. LIGHTING BY OTHERS - REFER TO ELECTRICAL DRAWINGS

- PRESS BOX NOTES:
1. THE GRANDSTAND MANUFACTURER SHALL PROVIDE THE PRESS BOX COMPLETE INCLUDING ALL STRUCTURE, INTERIOR PARTITIONS, INTERIOR FINISHES, AND ROOF STRUCTURE
 2. EXTERIOR CLADDING, HIP ROOF STRUCTURE AND ROOF FINISHES SHALL BE INSTALLED ON SITE AS COORDINATED BY THE GENERAL CONTRACTOR
 3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR FINAL ELECTRICAL CONNECTIONS TO LOCAL POWER



RFP C24-01 Groves Athletic Field & Fieldhouse



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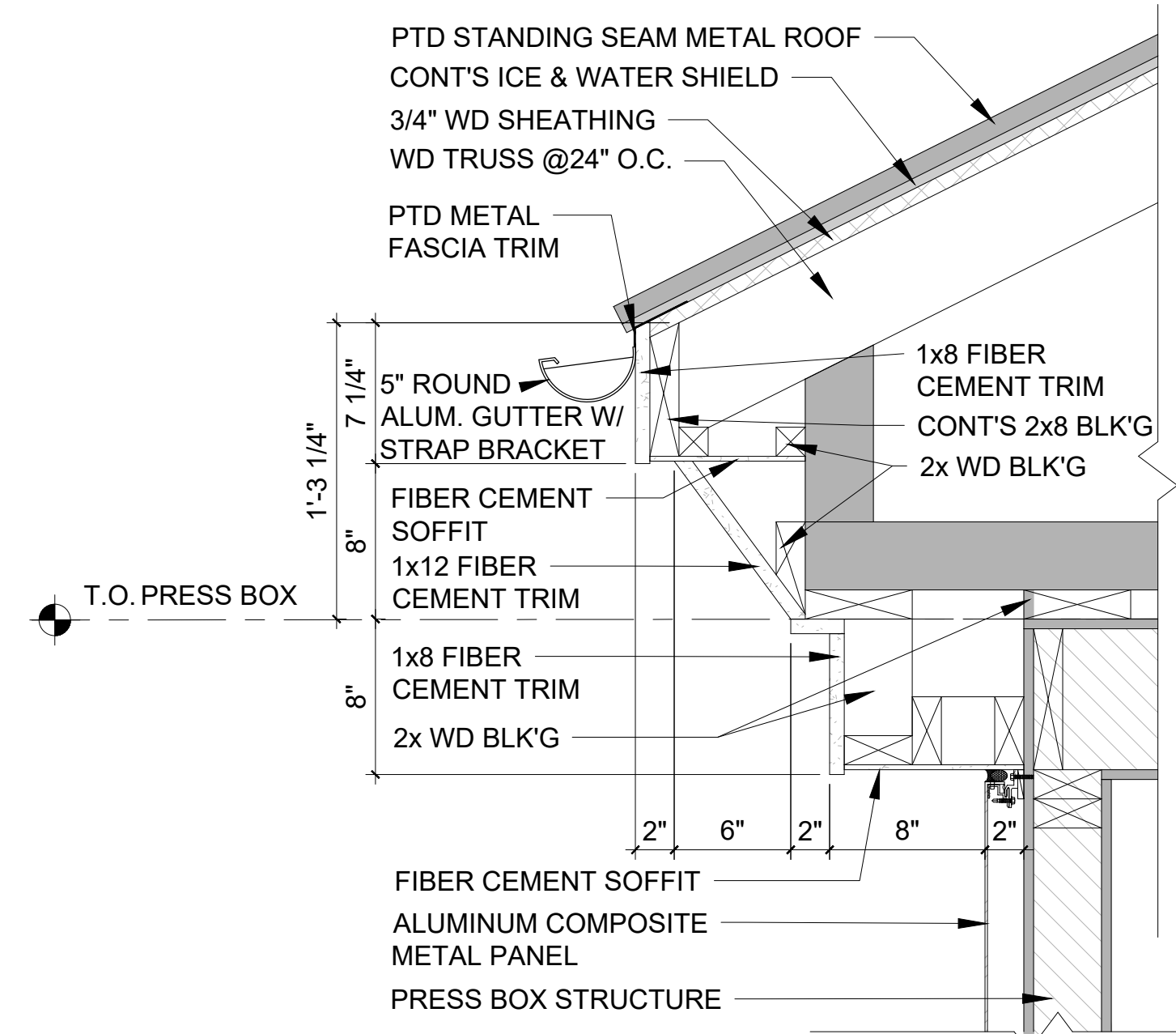
BUILDING SECTION
SR-731

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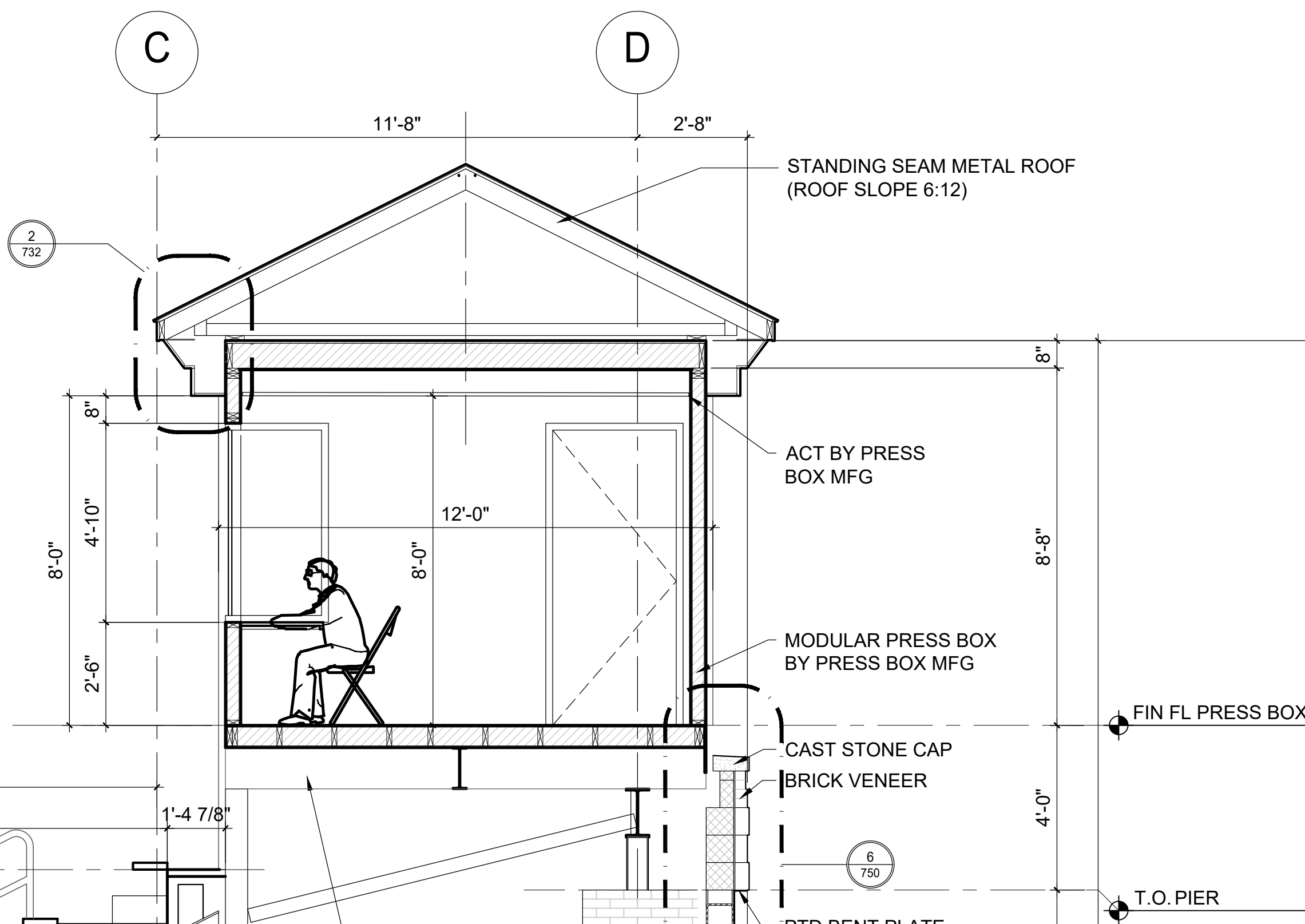
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 4. LIGHTING BY OTHERS - REFER TO ELECTRICAL DRAWINGS

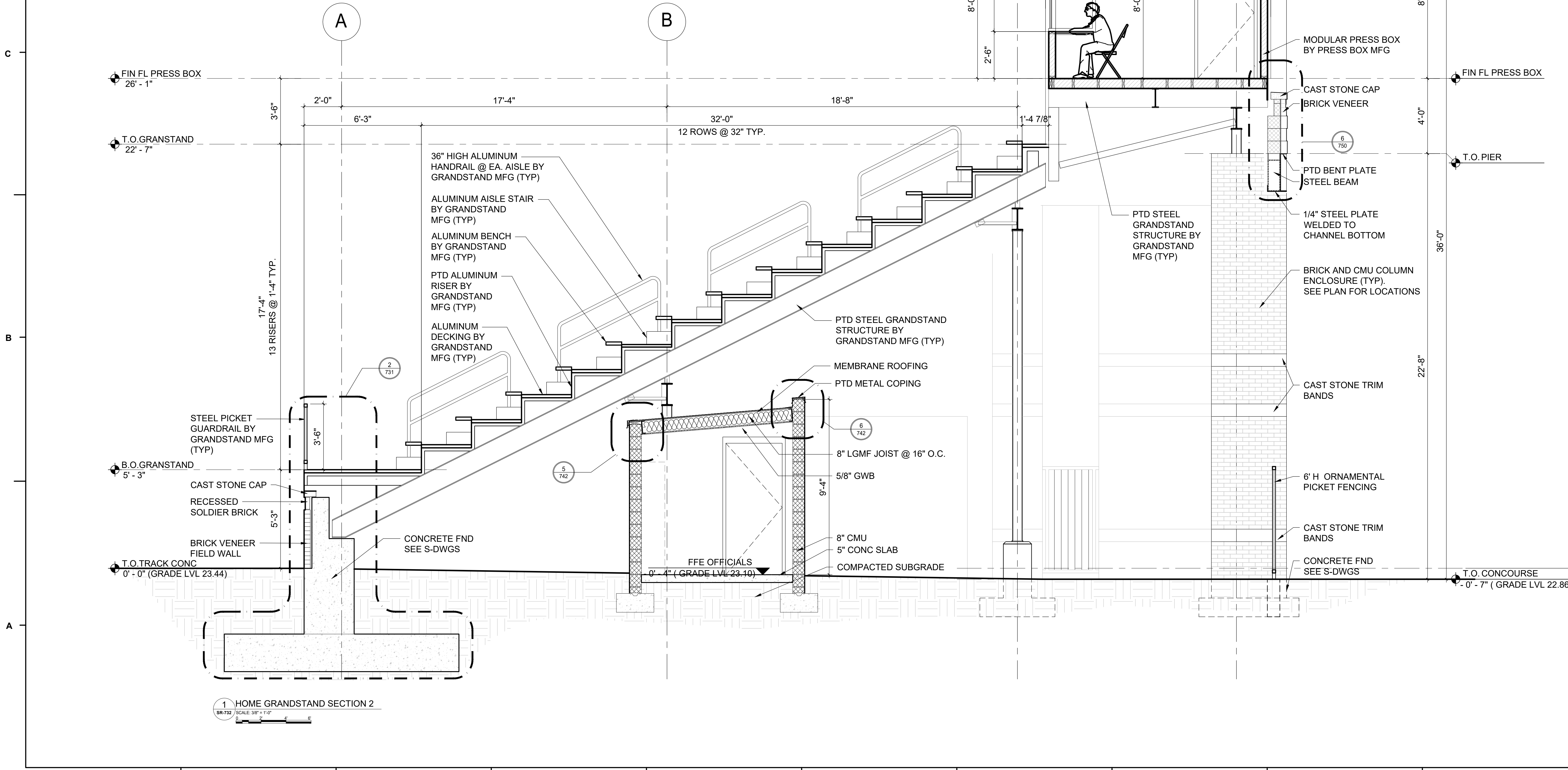
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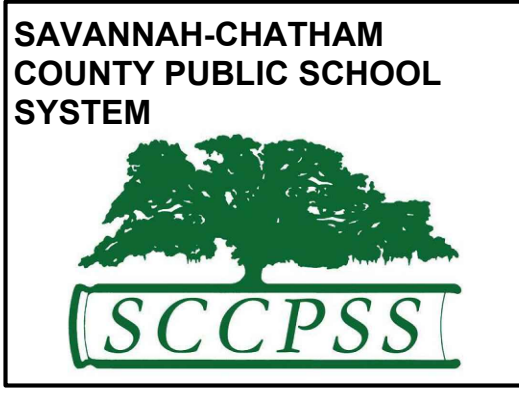
2 PRESS BOX OVERHANG DETAIL
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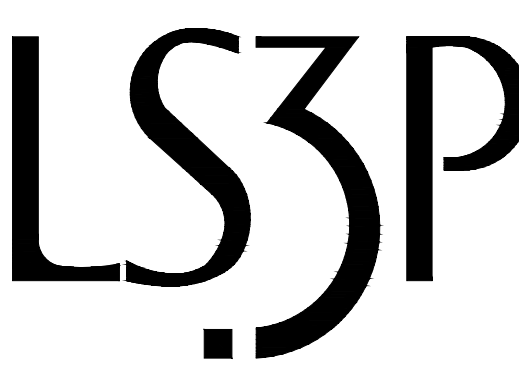
5 T.O. PIER
SCALE: 1/16" = 1'-0"



1 HOME GRANDSTAND SECTION 2
SCALE: 3/32" = 1'-0"



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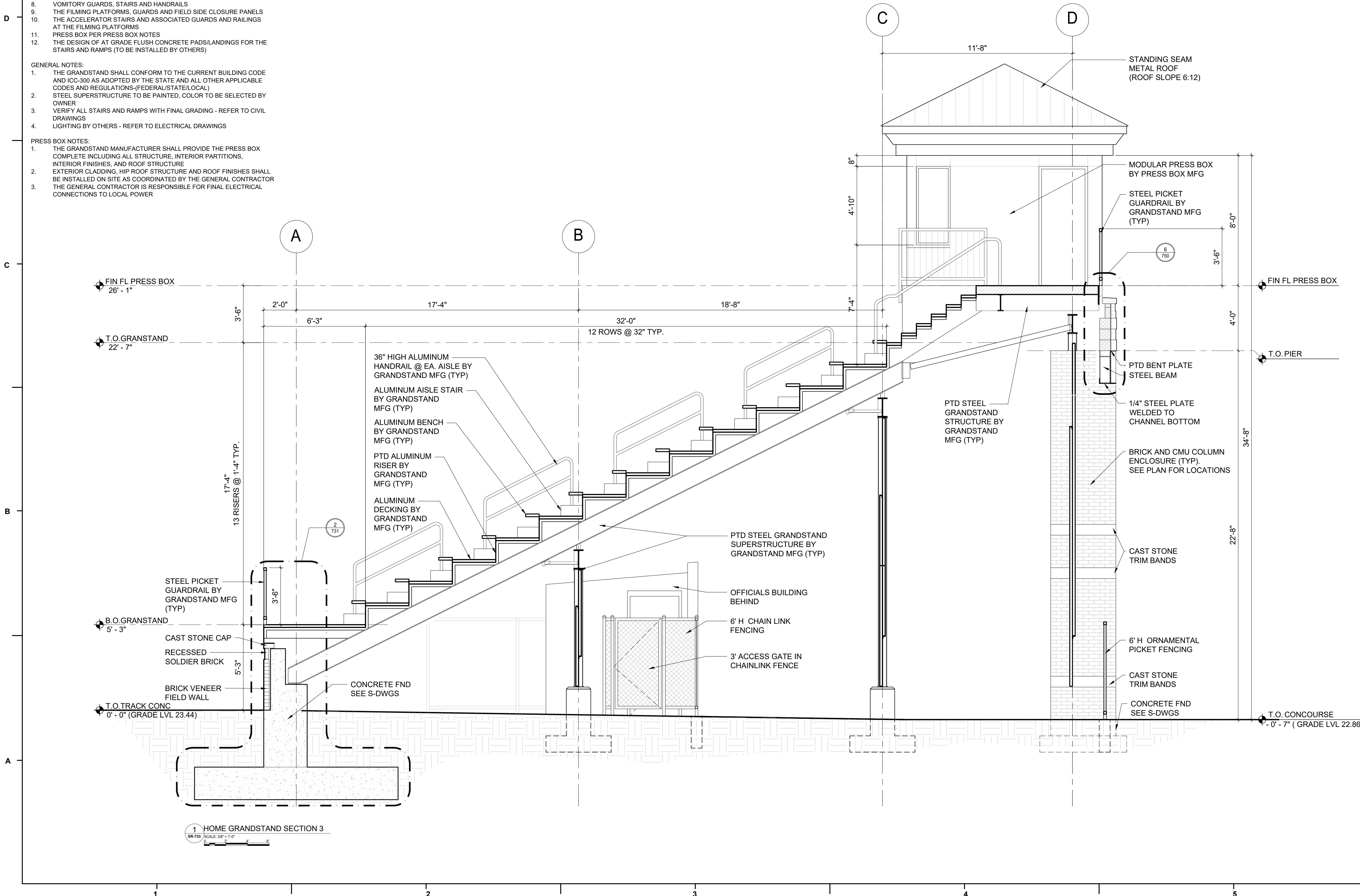
BUILDING SECTION
SR-732

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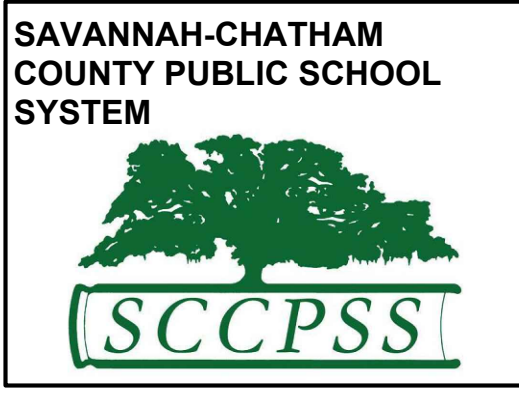
- THE GRANDSTAND MANUFACTURER IS RESPONSIBLE FOR:
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 4. LIGHTING BY OTHERS - REFER TO ELECTRICAL DRAWINGS

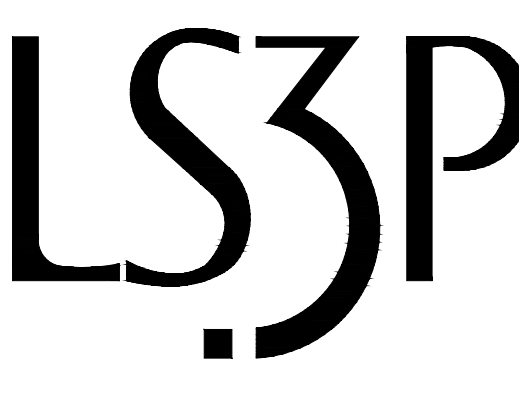
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 3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR FINAL ELECTRICAL CONNECTIONS TO LOCAL POWER



1 HOME GRANDSTAND SECTION 3
SR-733 SCALE 3/8" = 1'-0"



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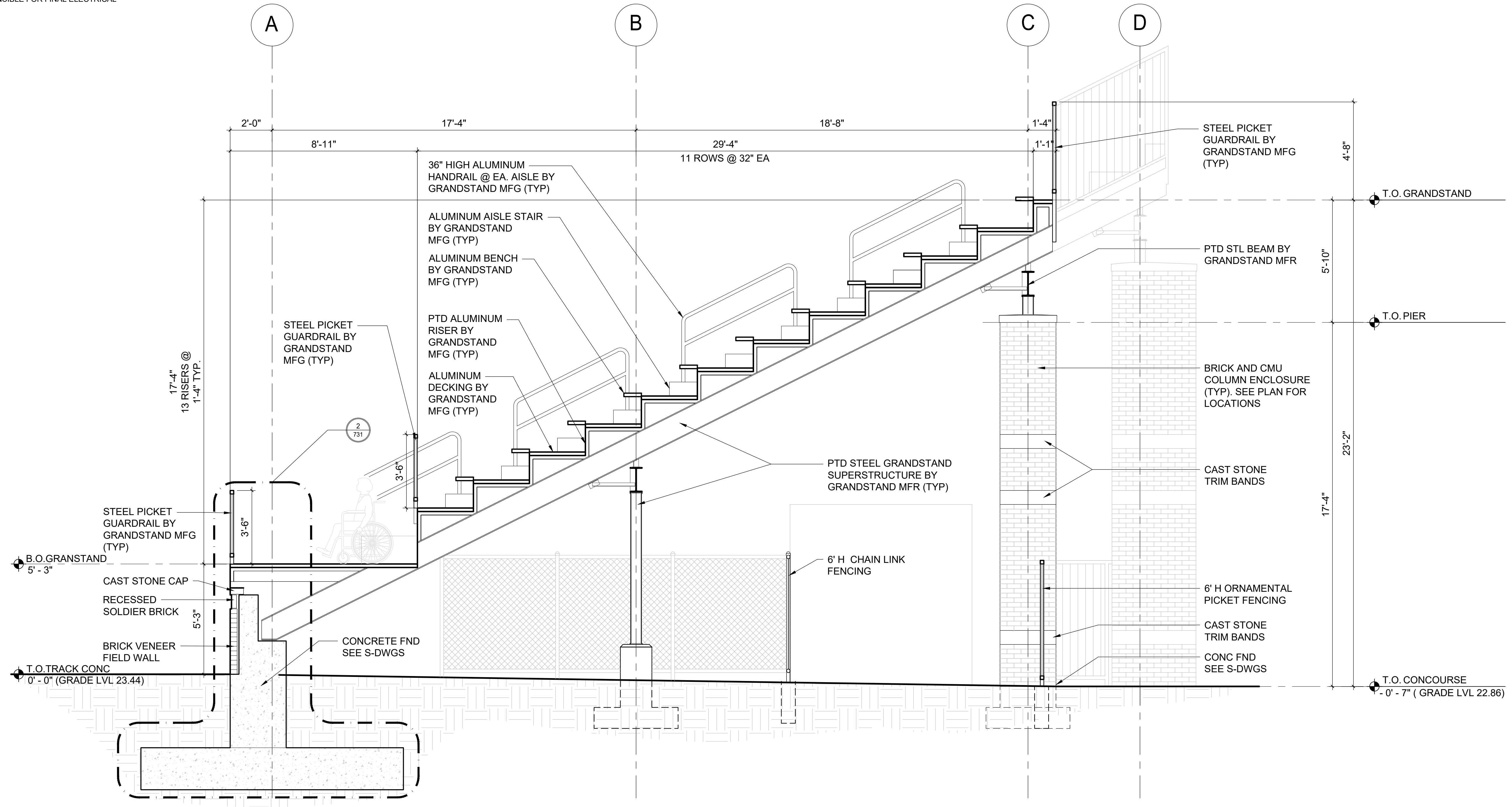
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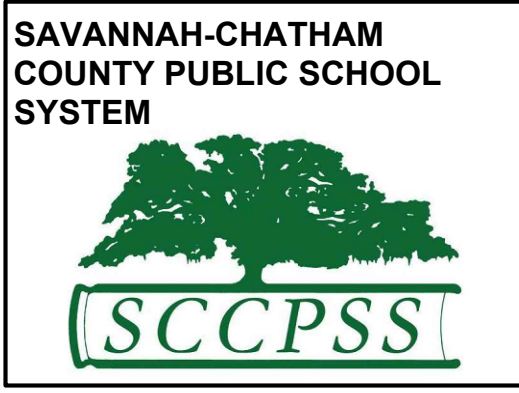
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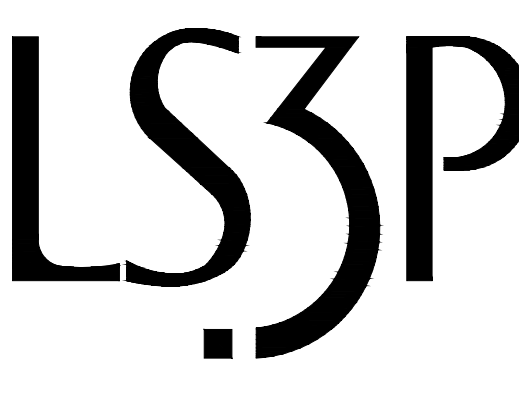
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 3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR FINAL ELECTRICAL CONNECTIONS TO LOCAL POWER



1 VISITOR GRANDSTAND SECTION 4
SR-734 SCALE: 3/8" = 1'-0"



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**BUILDING
SECTION**

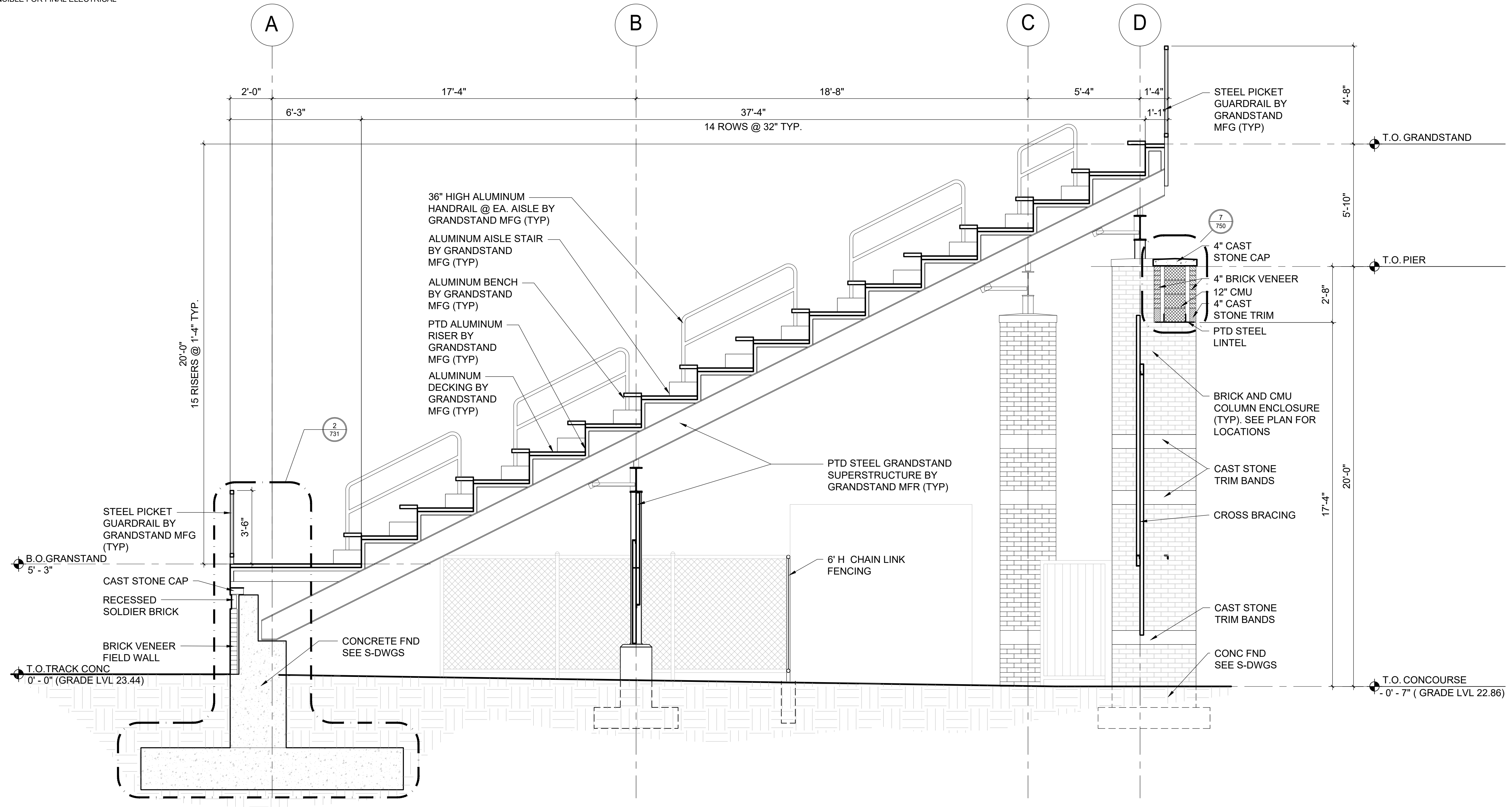
SR-734

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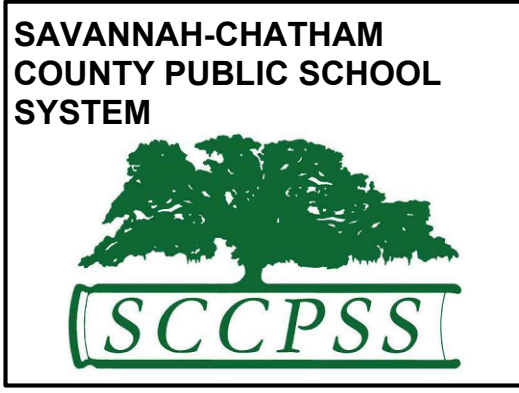
- THE GRANDSTAND MANUFACTURER IS RESPONSIBLE FOR:
1. THE GRANDSTAND STEEL SUPERSTRUCTURE INCLUDING COLUMNS, RAKER BEAMS, SUPPORT BEAMS AND CROSS-BRACING
 2. THE DESIGN OF ALL ASSOCIATED CONCRETE FOUNDATION AND CONCRETE FOOTING WORK REQUIRED (TO BE INSTALLED BY OTHERS)
 3. ALL GRANDSTAND GUARDRAILS: FIELD/FRONT AISLE, GRANDSTAND SIDES AND BACK, VOMITORIES AND VOMITORY STAIRS
 4. ALUMINUM DECKING, SEAT BOARDS, AND RISER CLOSURE PLATES
 5. VERTICAL AISLE STEPS AND MID-AISLE RAILINGS
 6. CLOSURE PLATES AND RAILING AT ACCESSIBLE SEATING CUT-OUTS
 7. FRONT AISLE RAMP SYSTEM AND ALL ASSOCIATED GUARDS AND HANDRAILS (NORTH AND SOUTH ENDS)
 8. VOMITORY GUARDS, STAIRS AND HANDRAILS
 9. THE FILMING PLATFORMS, GUARDS AND FIELD SIDE CLOSURE PANELS
 10. THE ACCELERATOR STAIRS AND ASSOCIATED GUARDS AND RAILINGS AT THE FILMING PLATFORMS
 11. PRESS BOX PER PRESS BOX NOTES
 12. THE DESIGN OF AT GRADE FLUSH CONCRETE PADS/LANDINGS FOR THE STAIRS AND RAMPS (TO BE INSTALLED BY OTHERS)

- GENERAL NOTES:
1. THE GRANDSTAND SHALL CONFORM TO THE CURRENT BUILDING CODE AND ICC-300 AS ADOPTED BY THE STATE AND ALL OTHER APPLICABLE CODES AND REGULATIONS (FEDERAL/STATE/LOCAL)
 2. STEEL SUPERSTRUCTURE TO BE PAINTED, COLOR TO BE SELECTED BY OWNER
 3. VERIFY ALL STAIRS AND RAMPS WITH FINAL GRADING - REFER TO CIVIL DRAWINGS
 4. LIGHTING BY OTHERS - REFER TO ELECTRICAL DRAWINGS

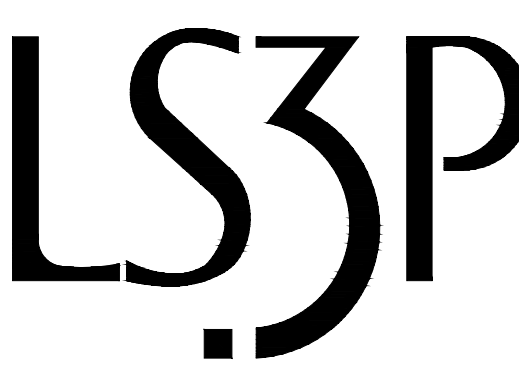
- PRESS BOX NOTES:
1. THE GRANDSTAND MANUFACTURER SHALL PROVIDE THE PRESS BOX COMPLETE INCLUDING ALL STRUCTURE, INTERIOR PARTITIONS, INTERIOR FINISHES, AND ROOF STRUCTURE
 2. EXTERIOR CLADDING, HIP ROOF STRUCTURE AND ROOF FINISHES SHALL BE INSTALLED ON SITE AS COORDINATED BY THE GENERAL CONTRACTOR
 3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR FINAL ELECTRICAL CONNECTIONS TO LOCAL POWER



1 VISITOR GRANDSTAND SECTION 5
SR-735 SCALE 1/16" = 1'-0"



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**BUILDING
SECTION**

SR-735

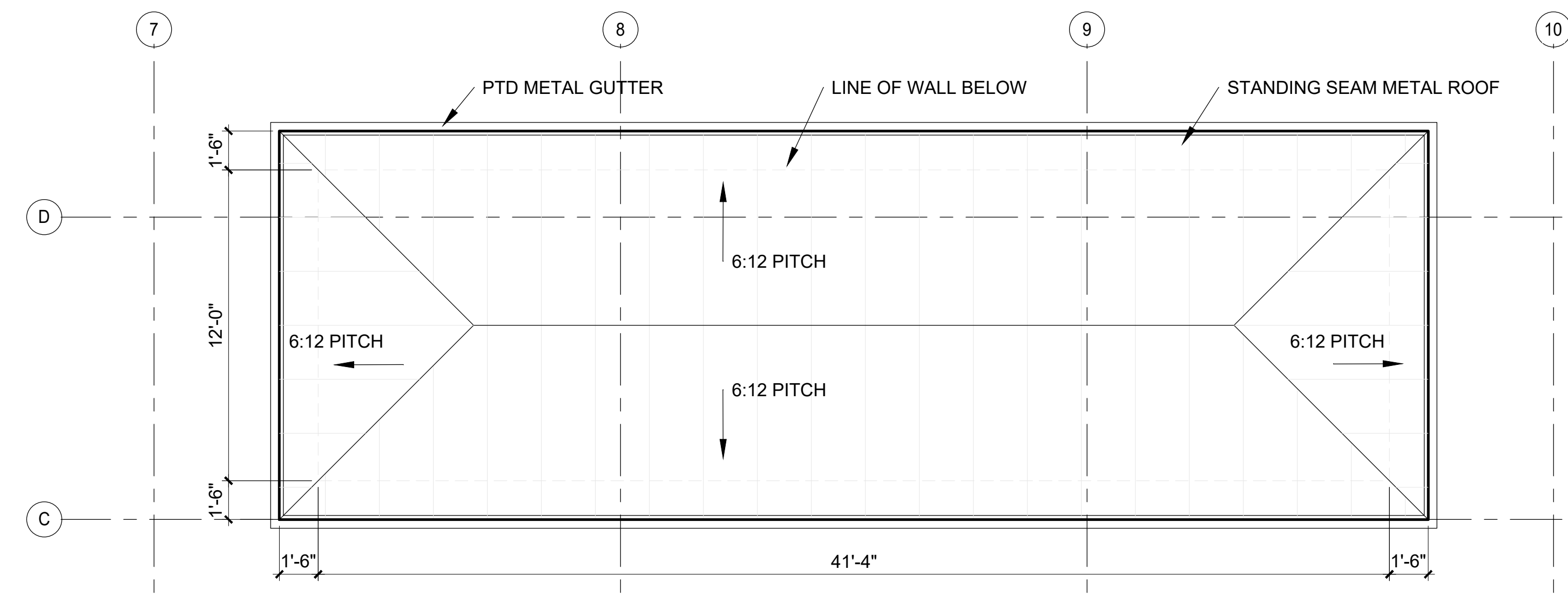
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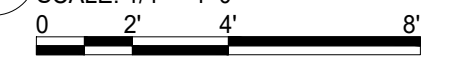
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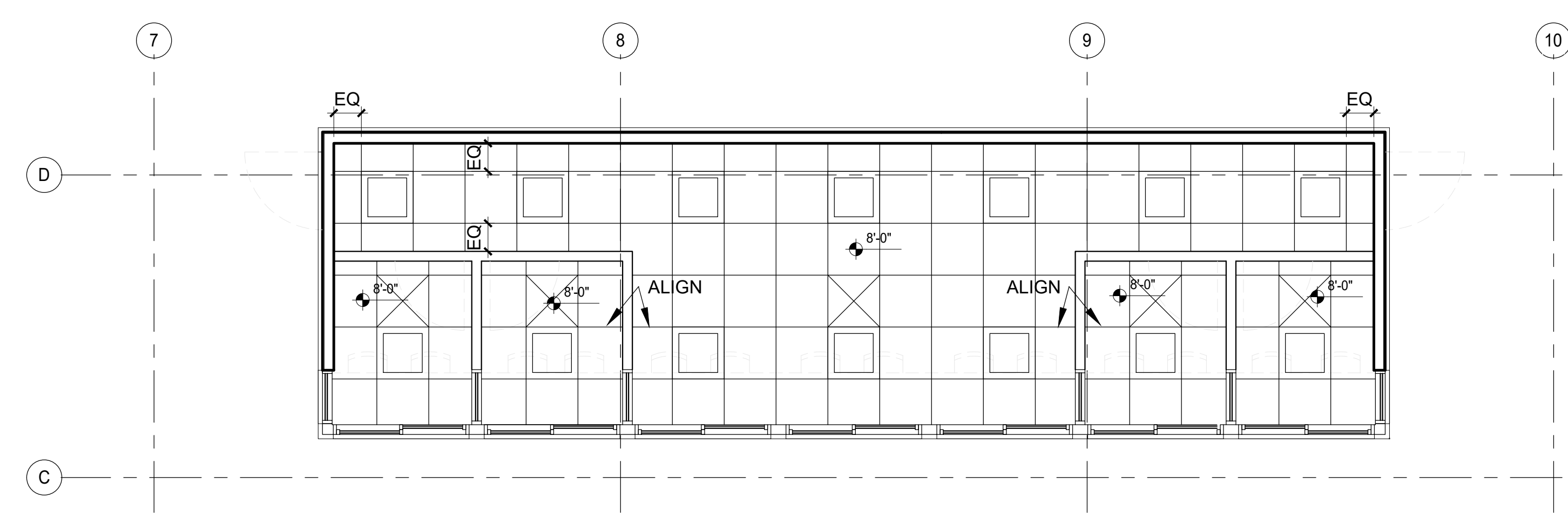
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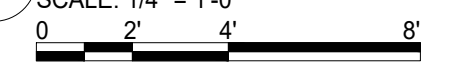
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PRESSBOX ENLARGED PLANS AND DETAILS
SR-740


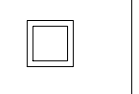
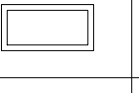



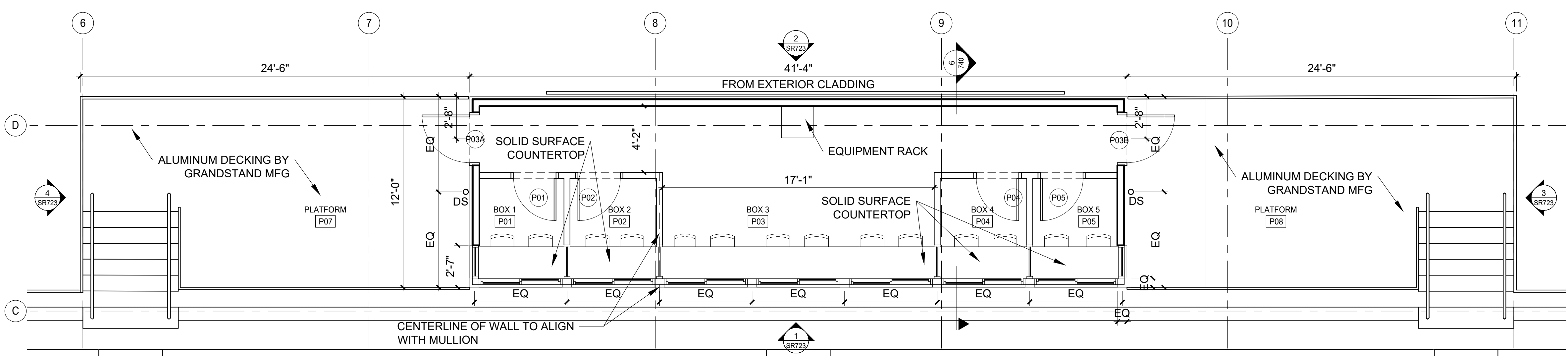
3 PRESSBOX ROOF PLAN
 SR-740 SCALE: 1/4" = 1'-0"


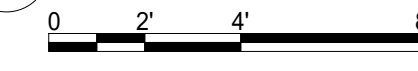


2 PRESSBOX RCP
 SR-740 SCALE: 1/4" = 1'-0"


RCP LEGEND

	2x2' ACT CEILING PANELS
	SURFACE MOUNTED LED FIXTURE
	SURFACE MOUNTED LED FIXTURE
	CEILING MOUNTED A/C UNIT



1 ENLARGED PRESSBOX PLAN
 SR-740 SCALE: 1/4" = 1'-0"


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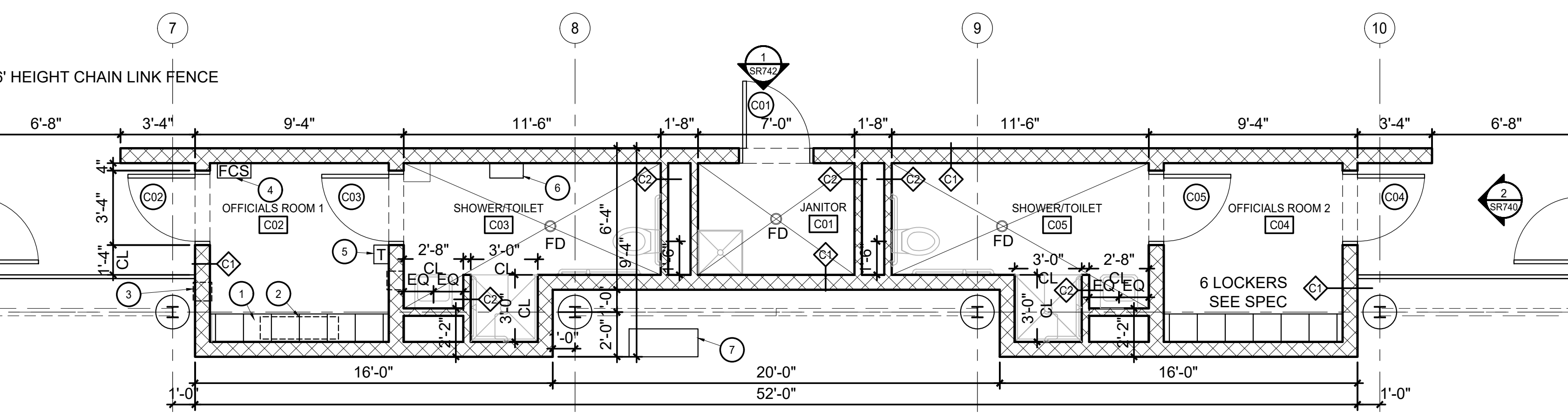
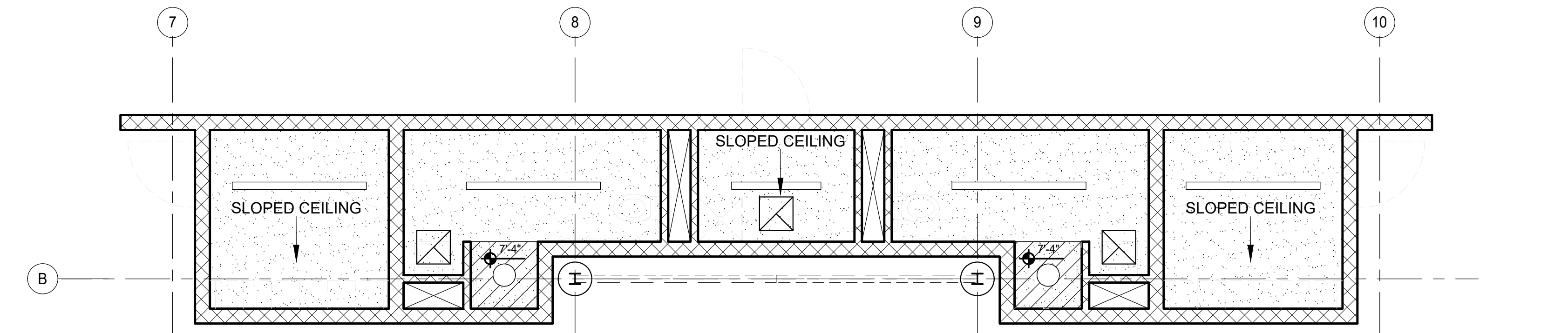
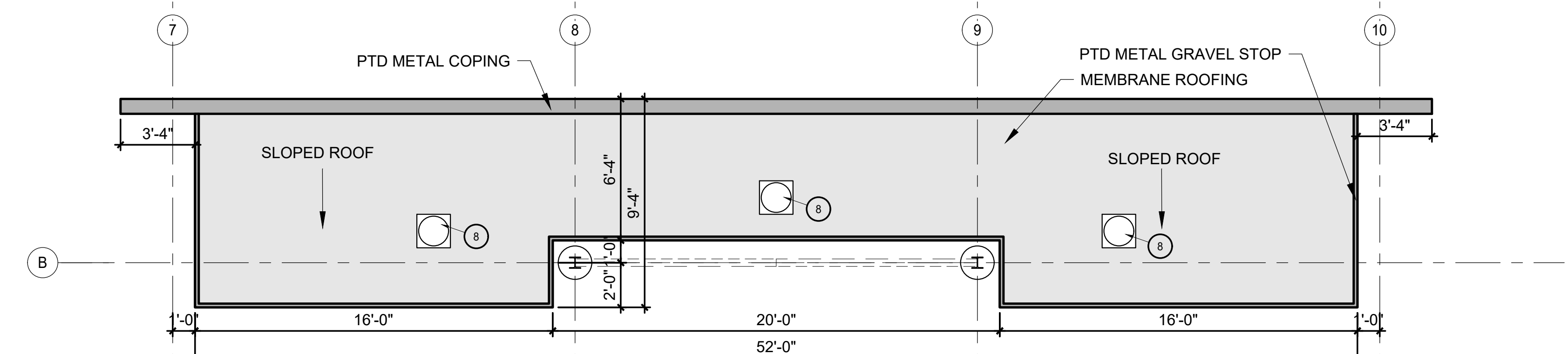
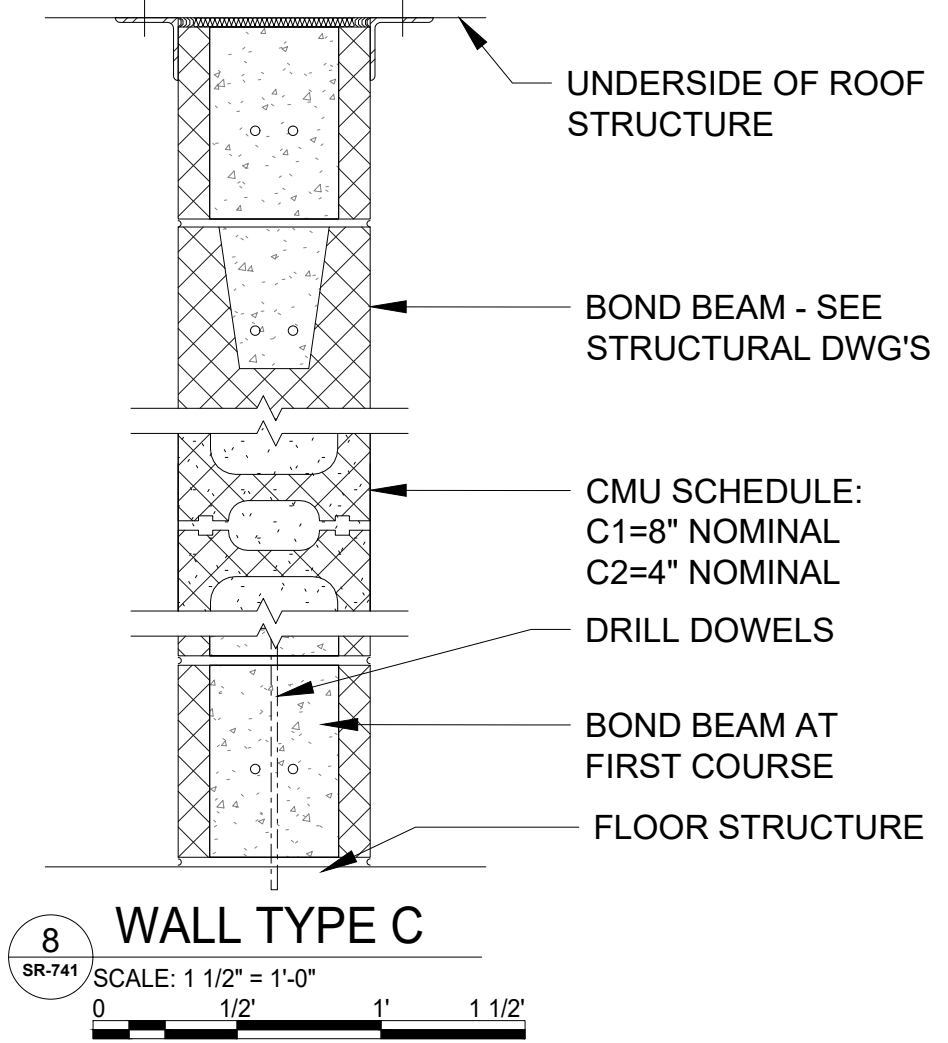
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PLAN KEY NOTES




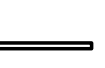

- 6 EA. LOCKER, SEE SPEC
- WALL MOUNTED HEAT PUMP INDOOR UNIT, SEE MECH DWG'S
- 10x10 INTAKE, SEE MECH DWG'S
- FAN CONTROL SWITCH/OCCUPANCY SENSOR, SEE MECH DWG'S
- THERMOSTAT, SEE MECH DWG'S
- SURFACE MOUNTED ELECTRIC WALL HEATER, SEE MECH DWG'S
- PAD MOUNTED HEAT PUMP OUTDOOR UNIT, SEE MECH DWG'S
- ROOF MOUNTED DOWNBLAST EXHAUST FAN, SEE MECH DWG'S

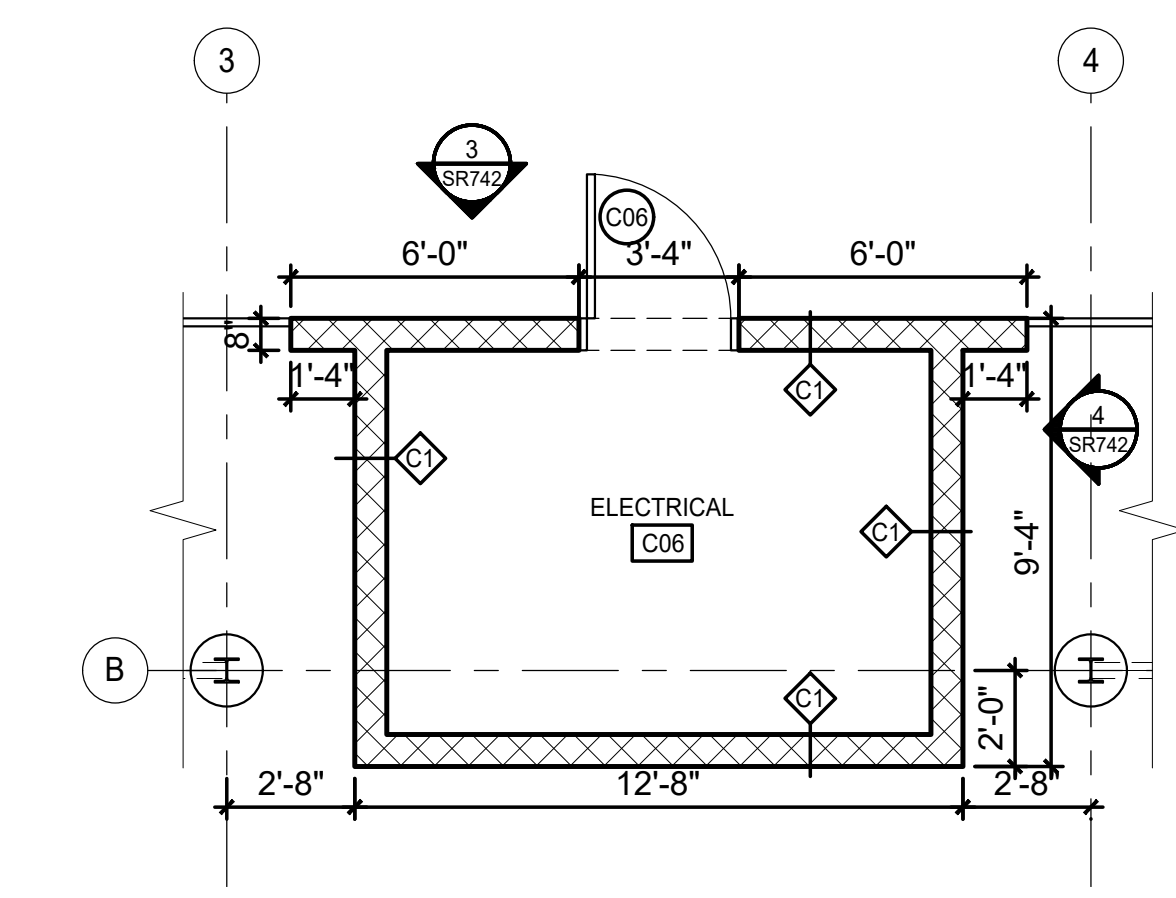
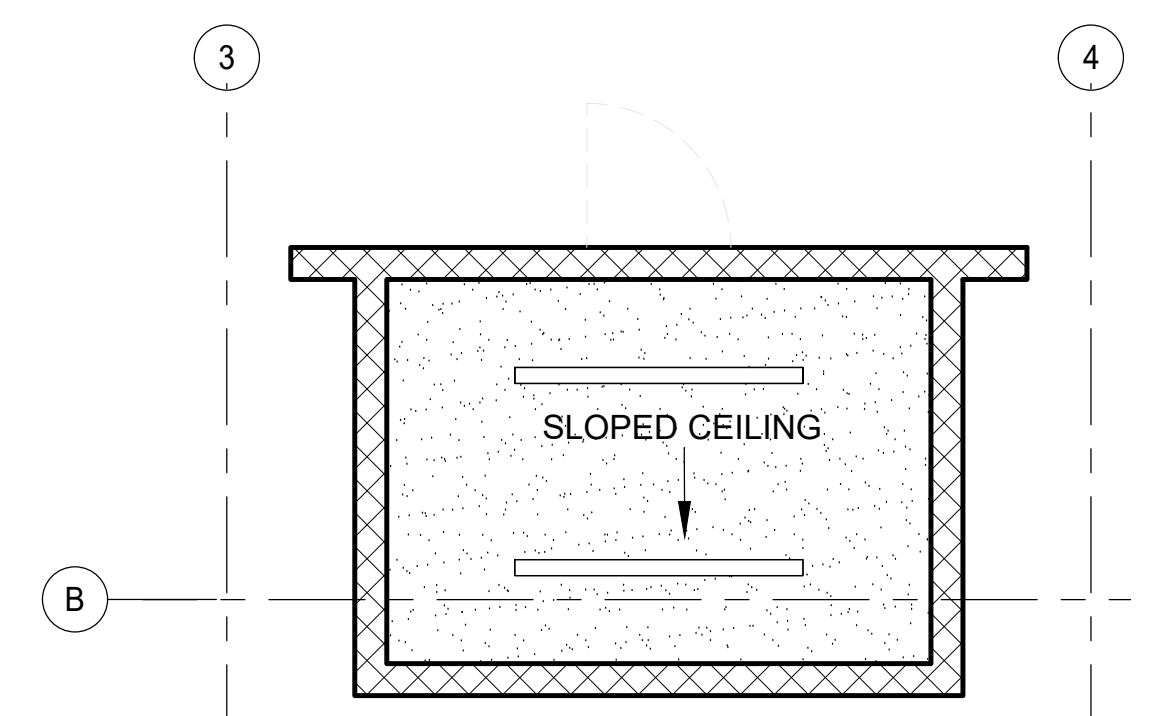
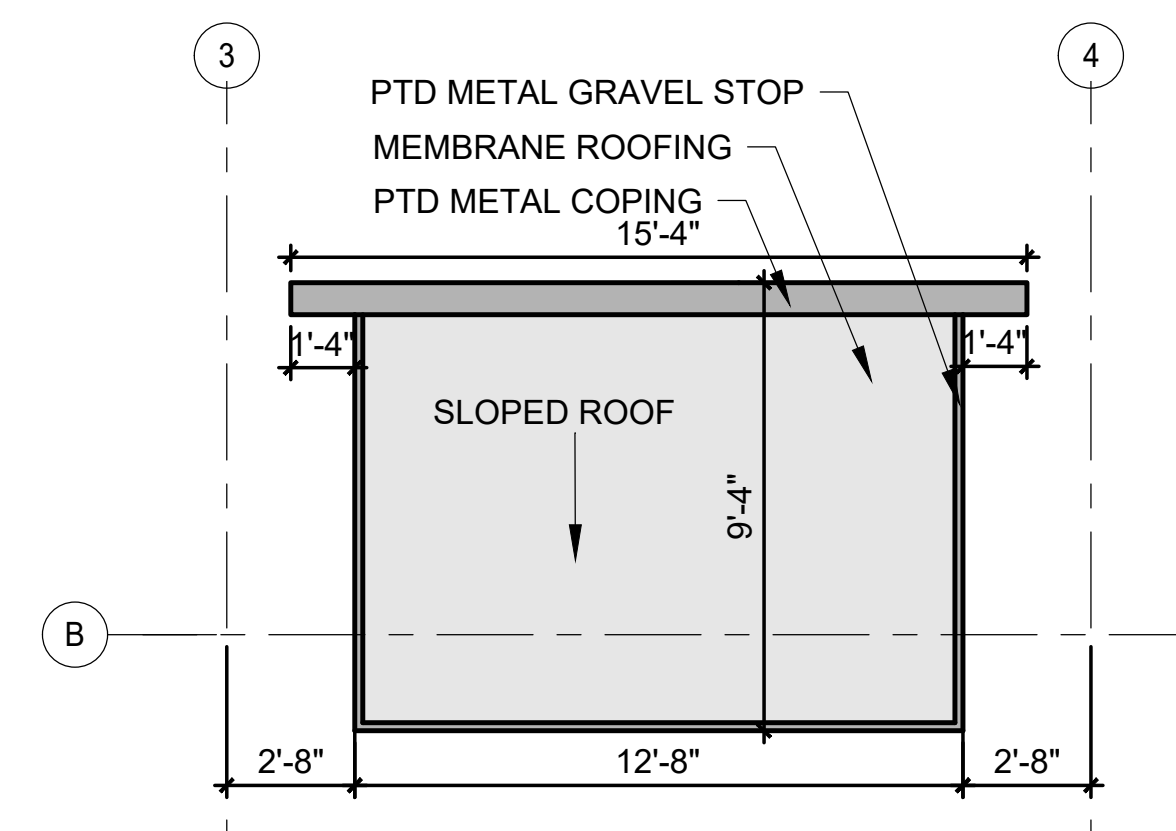
TOILET ACCESSORY SCHEDULE

Description	Notes
TT TOILET TISSUE DISPENSER	REFERENCE LS3P's TYP. MOUNTING HEIGHTS AND SPECS
GB GRAB BAR	REFERENCE LS3P's TYP. MOUNTING HEIGHTS AND SPECS
SDU SANITARY PRODUCT DISPOSAL UNIT	REFERENCE LS3P's TYP. MOUNTING HEIGHTS AND SPECS
PTD PAPER TOWEL DISPENSER	REFERENCE LS3P's TYP. MOUNTING HEIGHTS AND SPECS
SD LIQUID SOAP DISPENSER	REFERENCE LS3P's TYP. MOUNTING HEIGHTS AND SPECS
SCR SHOWER CURTAIN ROD & HOOKS	REFERENCE LS3P's TYP. MOUNTING HEIGHTS AND SPECS
FSS FOLDING SHOWER SEAT	REFERENCE LS3P's TYP. MOUNTING HEIGHTS AND SPECS



RCP LEGEND

	GYPSUM BOARD CEILING
	DIRECT APPLIED FINISH SYSTEM
	RECESSED LED LIGHT FIXTURE
	SURFACE MOUNTED STRIP LED FIXTURE
	EXHAUST FAN



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OFFICIALS & ELECTRIC ROOM ELEVATIONS & DETAILS
SR-742

ROOM FINISH SCHEDULE

Room Number	Room Name	Floor	Base	WALLS		CEILING	
				Material	Finish	Material	Finish
C01	JANITOR	SEALED CONCRETE	-	CMU	CMU EPOXY WALL PAINT	GW	EPOXY CEILING PAINT
C02	OFFICIALS 1	SEALED CONCRETE	-	CMU	CMU EPOXY WALL PAINT	GW	EPOXY CEILING PAINT
C03	SHOWER/TOILET	SEALED CONCRETE	-	CMU	CMU EPOXY WALL PAINT	GW	EPOXY CEILING PAINT
C04	OFFICIALS 2	SEALED CONCRETE	-	CMU	CMU EPOXY WALL PAINT	GW	EPOXY CEILING PAINT
C05	SHOWER/TOILET	SEALED CONCRETE	-	CMU	CMU EPOXY WALL PAINT	GW	EPOXY CEILING PAINT
C06	ELECTRICAL	SEALED CONCRETE	-	CMU	CMU EPOXY WALL PAINT	GW	EPOXY CEILING PAINT

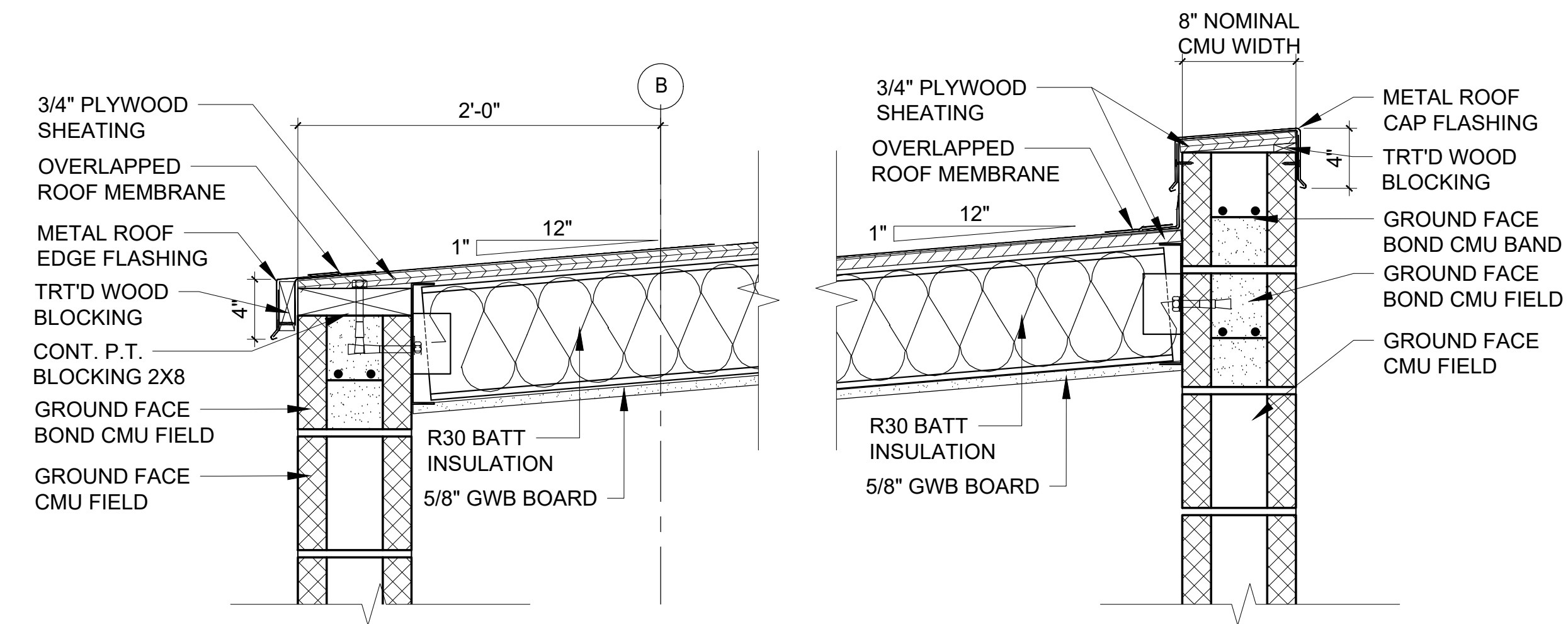
MATERIAL & COLOR SCHEDULE

MATERIAL	BASIS OF DESIGN	NOTES
SEALED CONCRETE	CLEAR SEALER ASHFORD FORMULA	
CMU EPOXY WALL PAINT	SHERWIN WILLIAMS - 'TOUQUE WHITE - SW7003'	
EPOXY CEILING PAINT	SHERWIN WILLIAMS - 'HIGH REFLECTIVE WHITE - SW7757'	

DOOR SCHEDULE

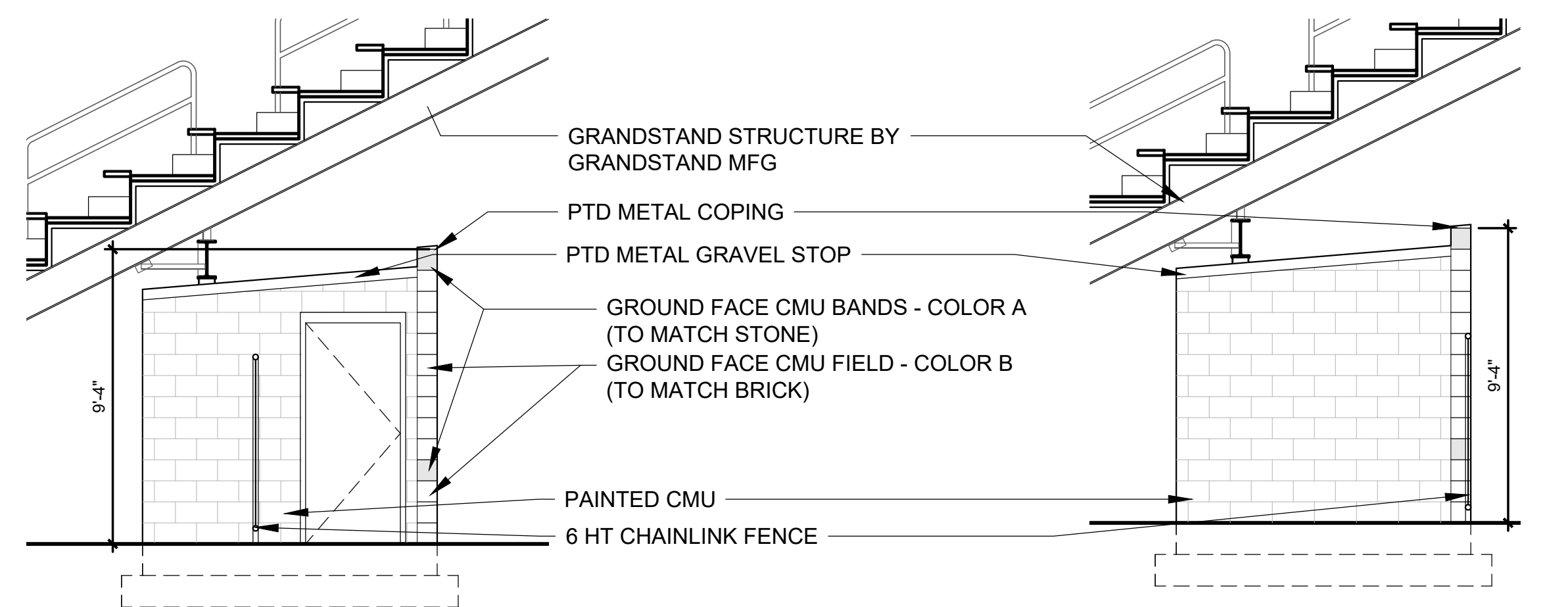
Door Number	Room Name	DOOR					FRAME			Hrdwr Set	Rating	
		Width	Height	Material	Thickness	Type	Material	Sill	Jamb			Head
C01	JANITOR	3'-0"	7'-0"	STEEL	0'-1 3/4"	F	STEEL	7A/SR742	7B/SR742	7C/SR742	1	*
C02	OFFICIALS 1	3'-0"	7'-0"	STEEL	0'-1 3/4"	F	STEEL	7A/SR742	7B/SR742	7C/SR742	1	*
C03	SHOWER/TOILET	3'-0"	7'-0"	STEEL	0'-1 3/4"	E	STEEL	7A/SR742	7B/SR742	7C/SR742	1	*
C04	OFFICIALS 2	3'-0"	7'-0"	STEEL	0'-1 3/4"	F	STEEL	7A/SR742	7B/SR742	7C/SR742	1	*
C05	SHOWER/TOILET	3'-0"	7'-0"	STEEL	0'-1 3/4"	E	STEEL	7A/SR742	7B/SR742	7C/SR742	1	*
C06	ELECTRICAL	3'-0"	7'-0"	STEEL	0'-1 3/4"	F	STEEL	7A/SR742	7B/SR742	7C/SR742	1	*

*NOTE: REFERENCE LS3P's DOOR HARDWARE SET LIST



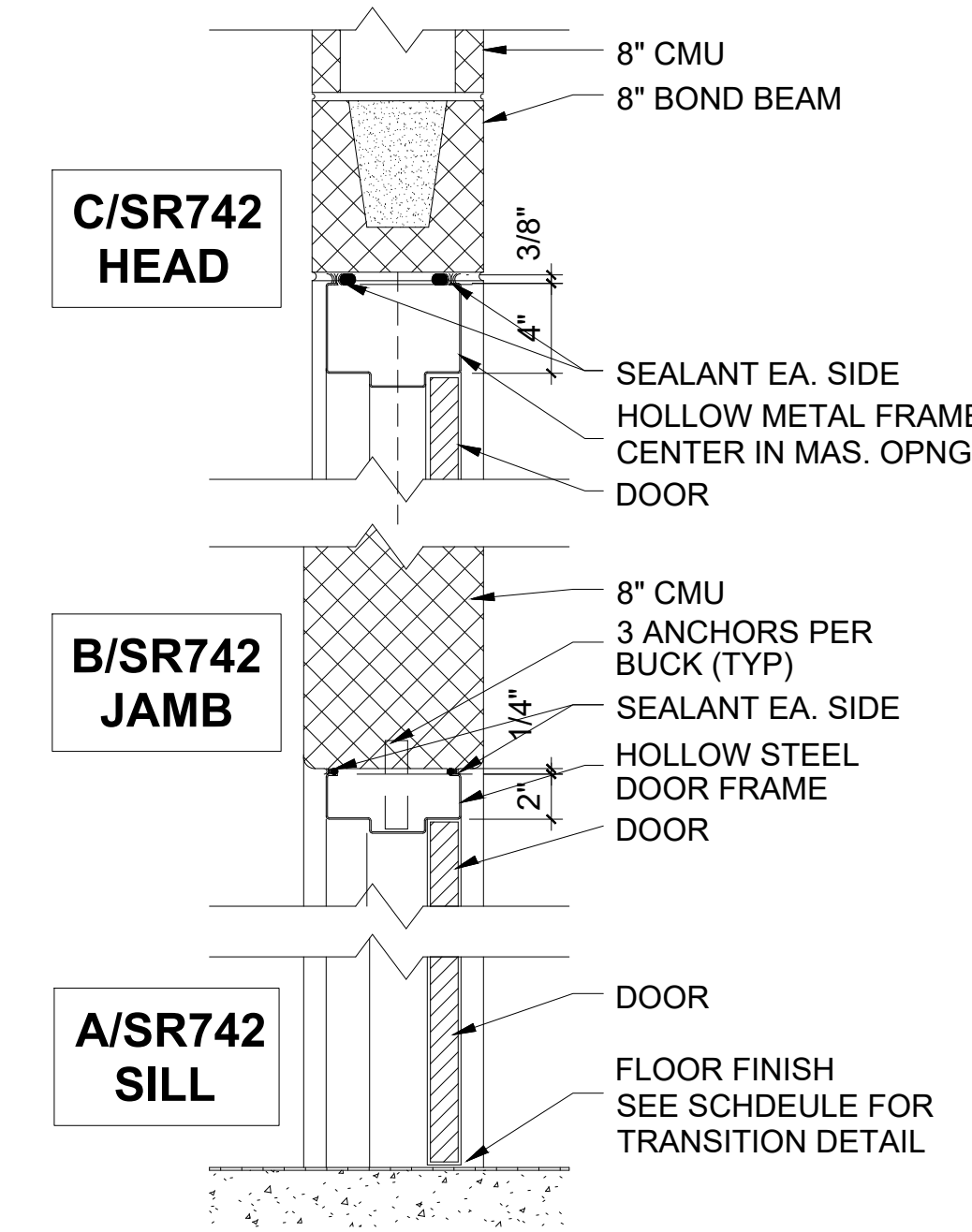
5 OFFICIALS BUILDING ROOF EDGE DETAIL
 SCALE: 1 1/2" = 1'-0"
 0 1/2 1 1 1/2

6 OFFICIALS BUILDING ROOF EDGE DETAIL
 SCALE: 1 1/2" = 1'-0"
 0 1/2 1 1 1/2

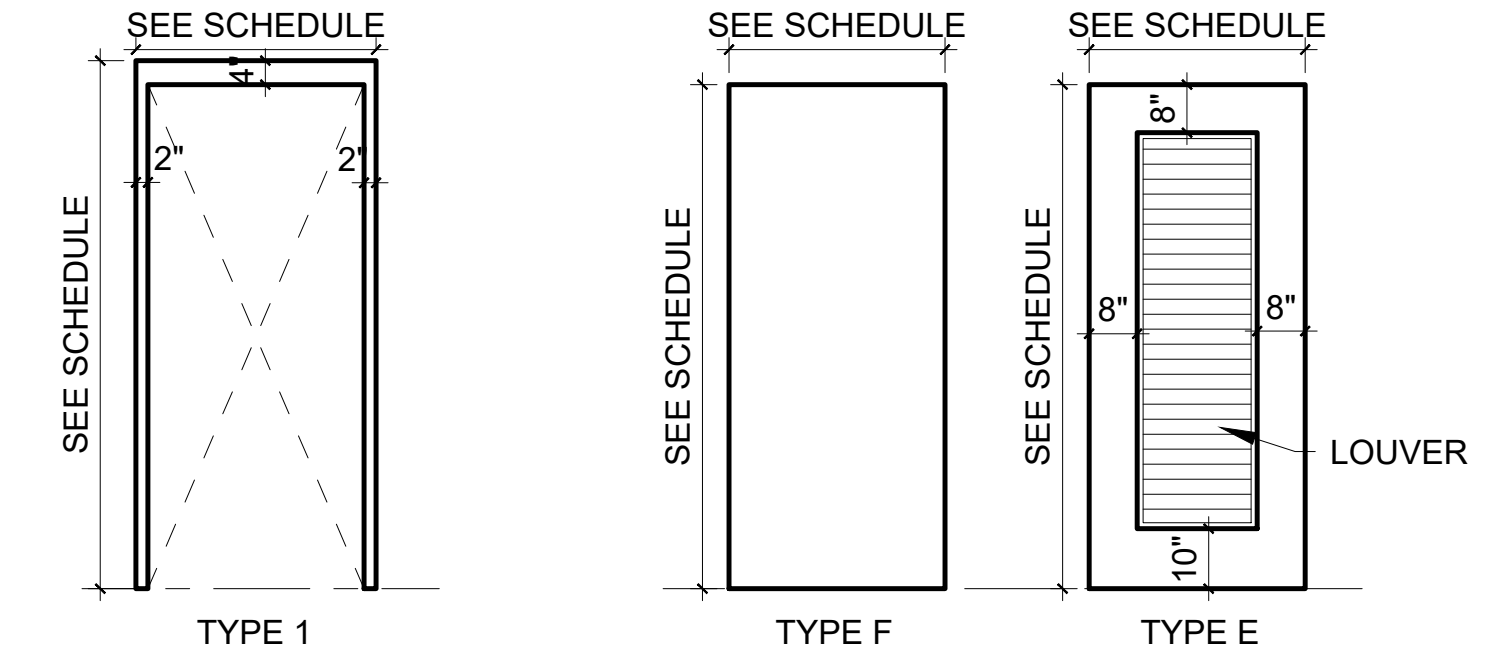


2 OFFICIALS EAST ELEVATION
 SCALE: 1/4" = 1'-0"
 0 2 4 8

4 ELECTRIC EAST ELEVATION
 SCALE: 1/4" = 1'-0"
 0 2 4 8

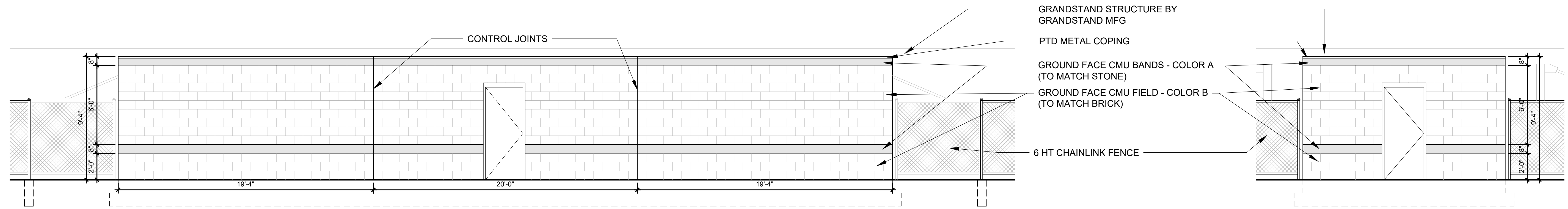


7 TYPICAL DOOR DETAIL
 SCALE: 1 1/2" = 1'-0"
 0 1/2 1 1 1/2



8 DOOR FRAME TYPES
 SCALE: 3/8" = 1'-0"
 0 2 4 6

9 DOOR TYPES
 SCALE: 3/8" = 1'-0"
 0 2 4 6



1 OFFICIALS NORTH ELEVATION
 SCALE: 1/4" = 1'-0"
 0 2 4 8

3 ELECTRIC NORTH ELEVATION
 SCALE: 1/4" = 1'-0"
 0 2 4 8

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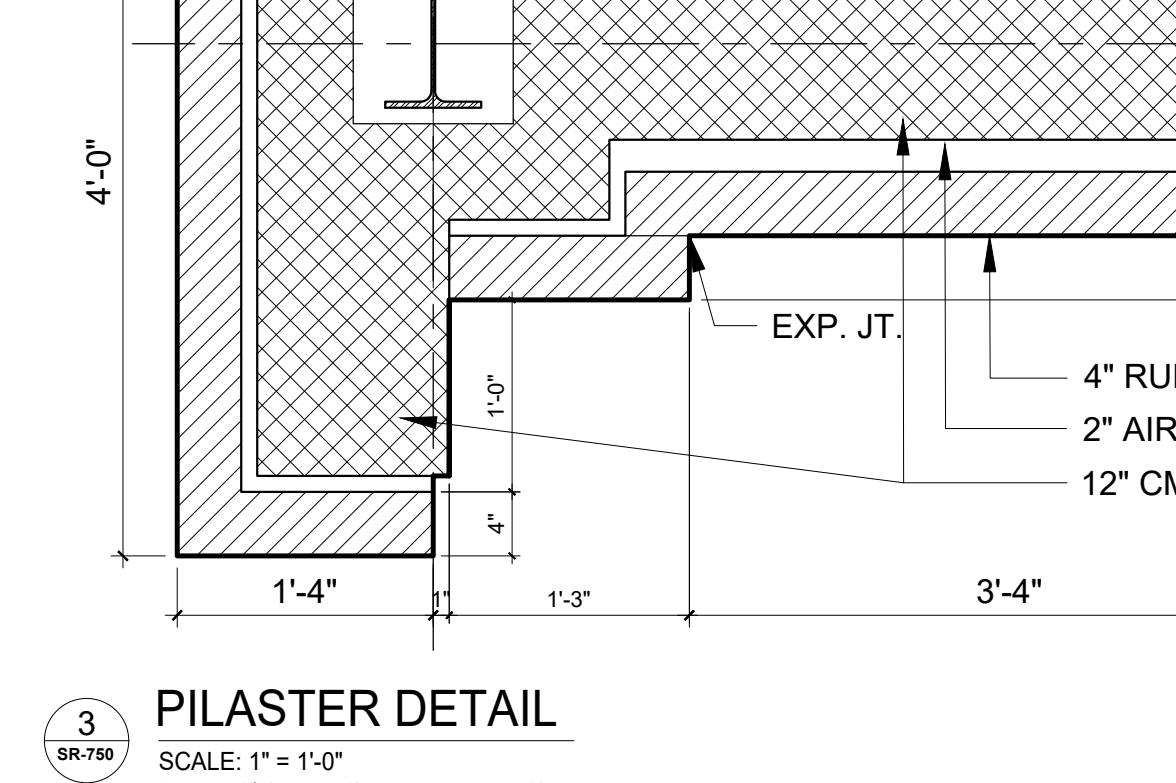
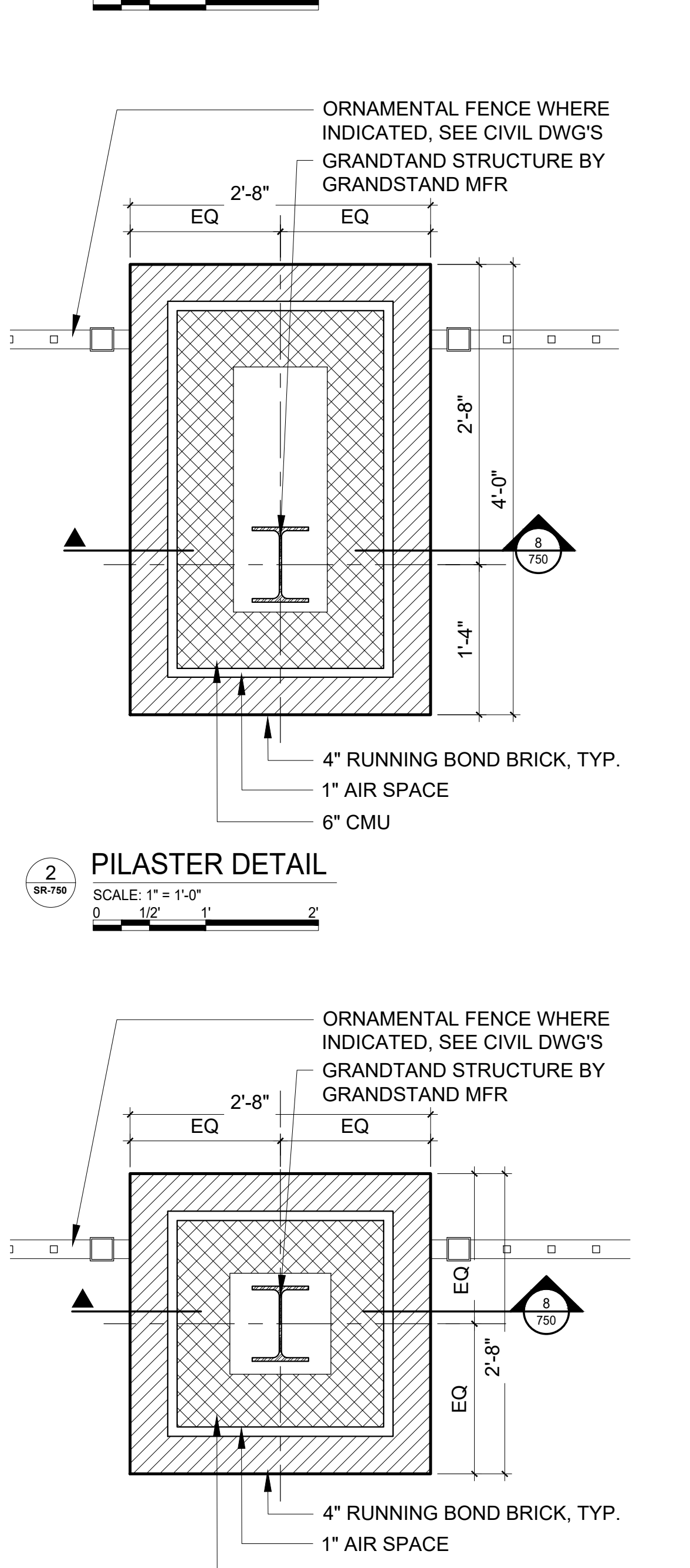
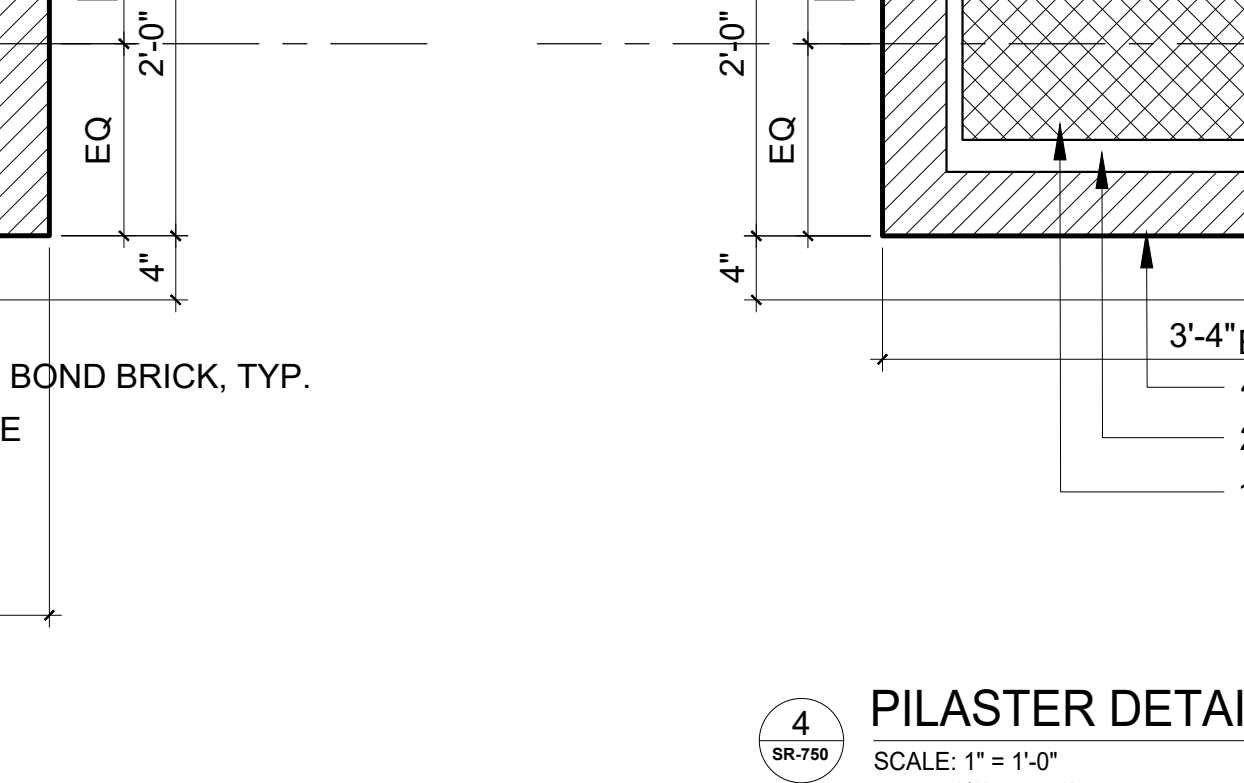
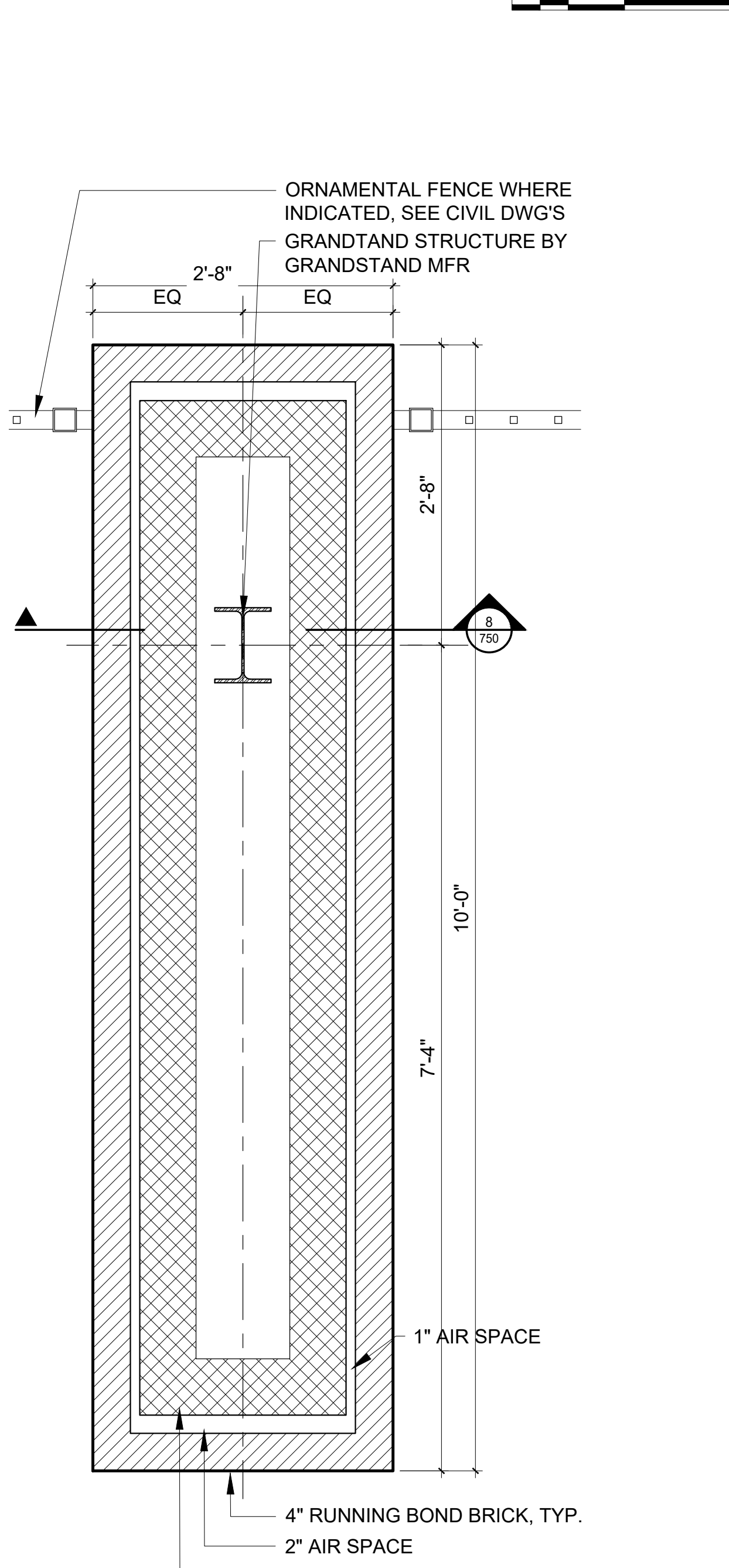
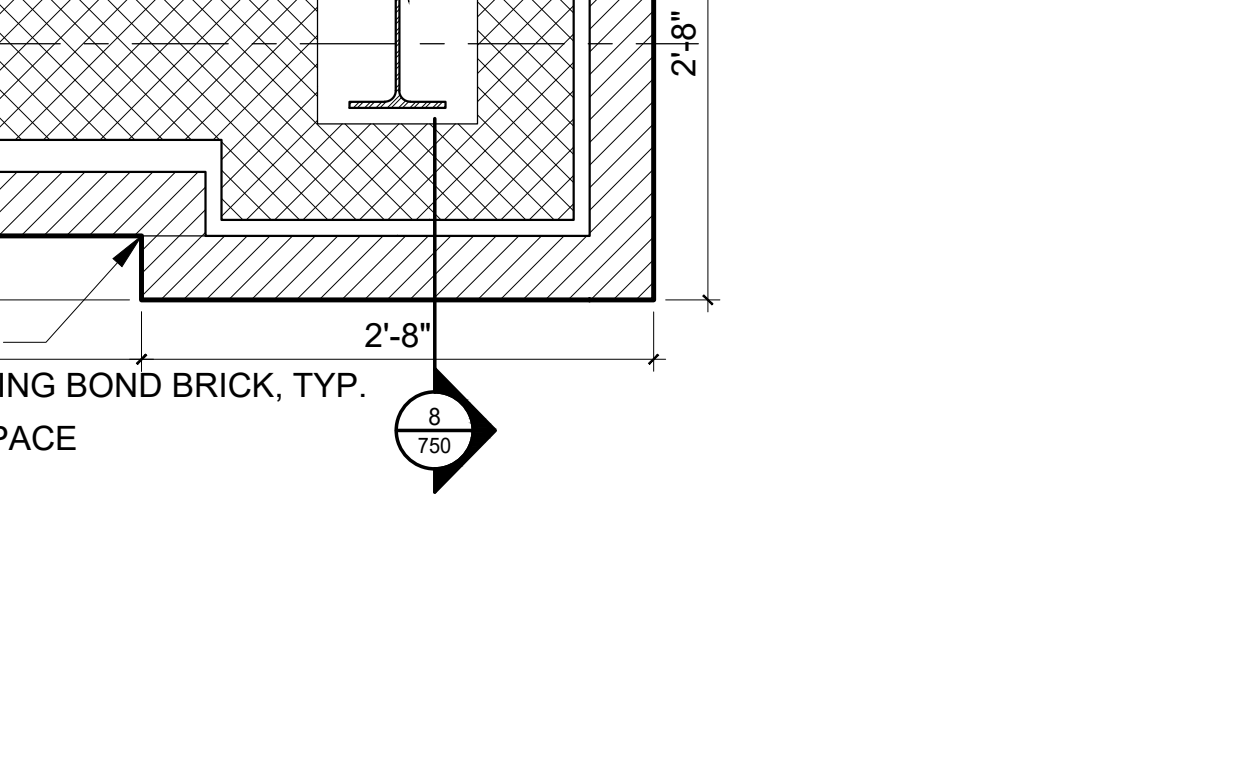
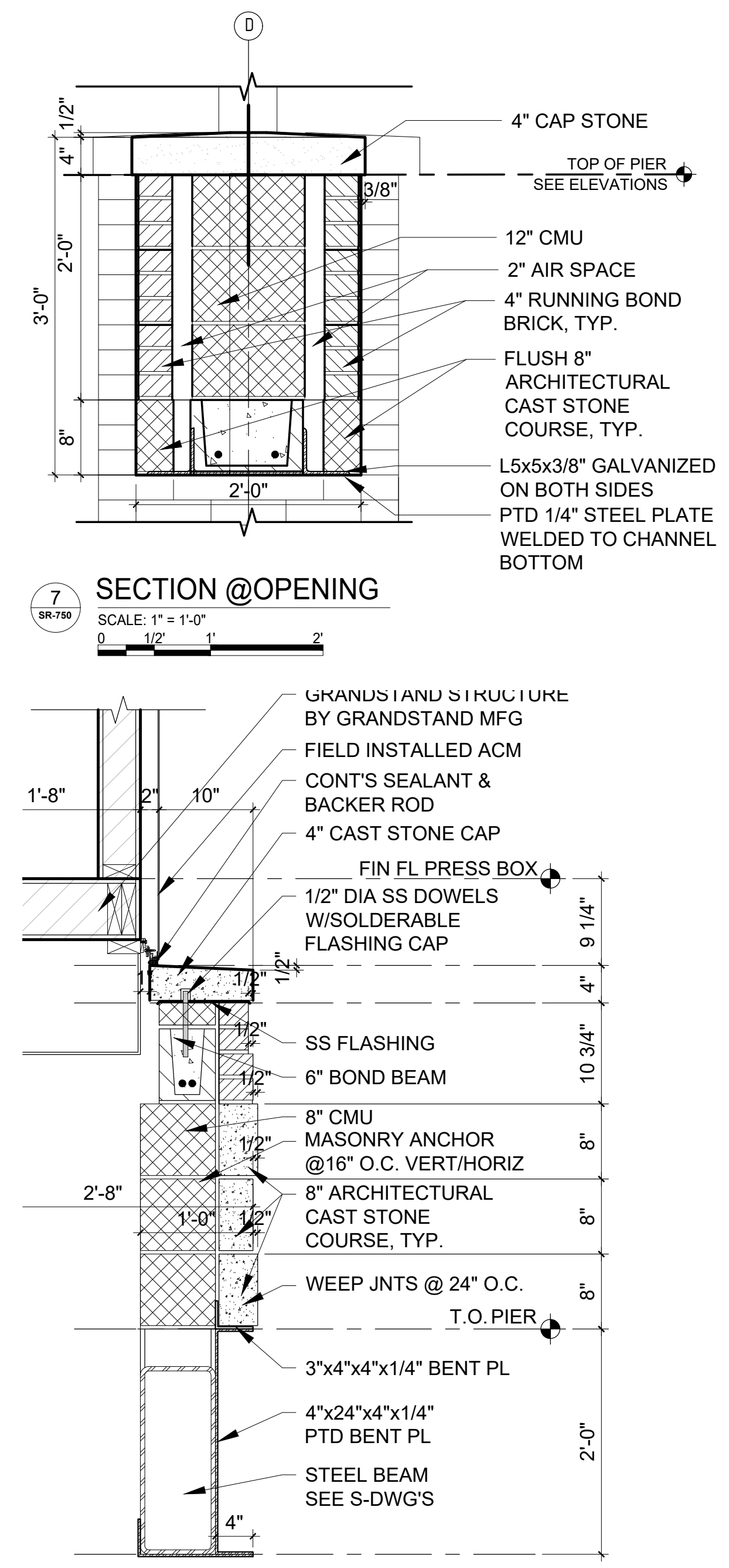
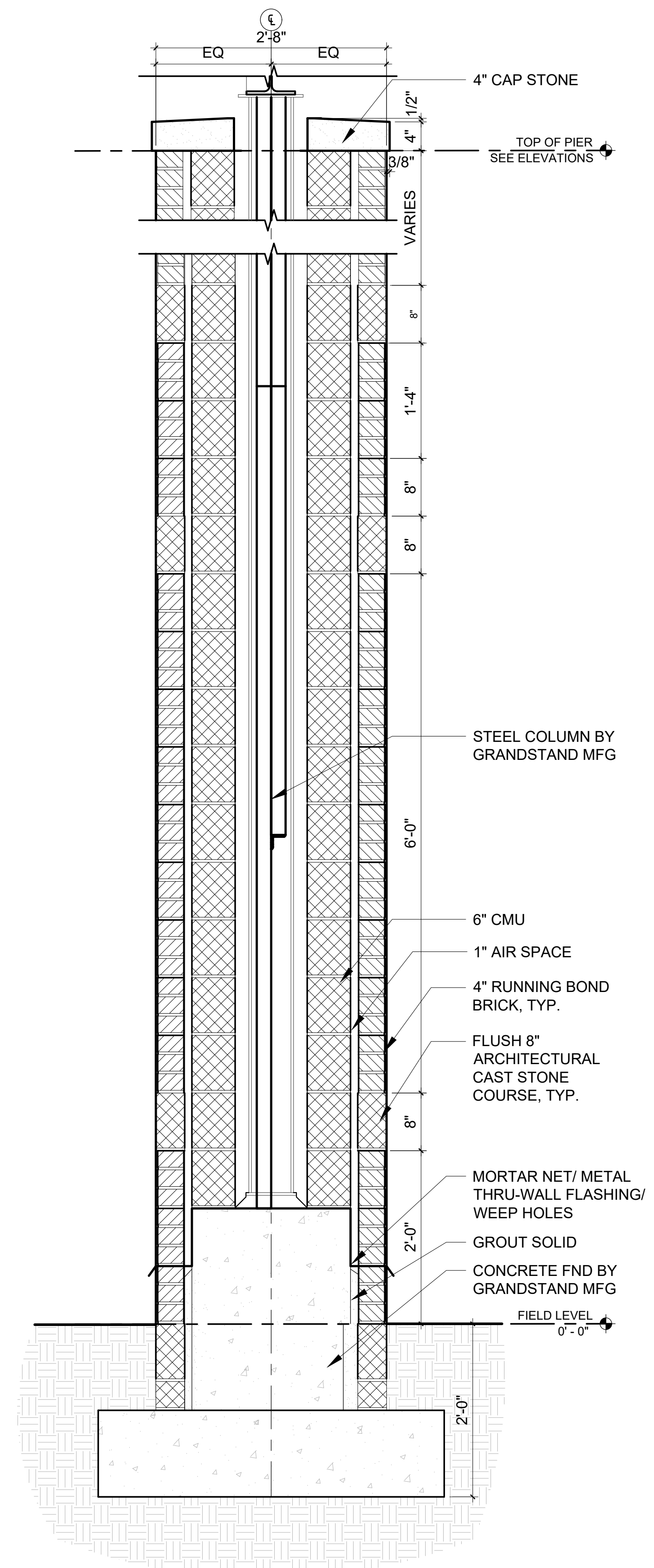
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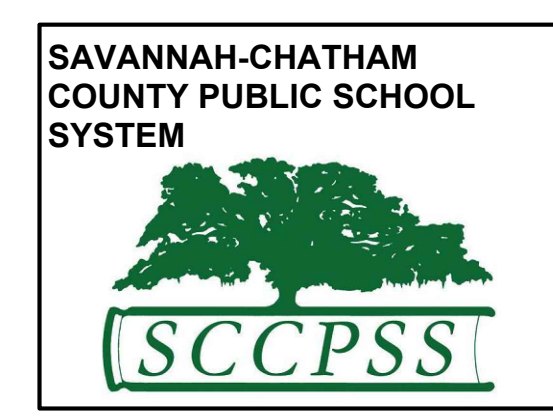
ENLARGED DETAILS

SR-750



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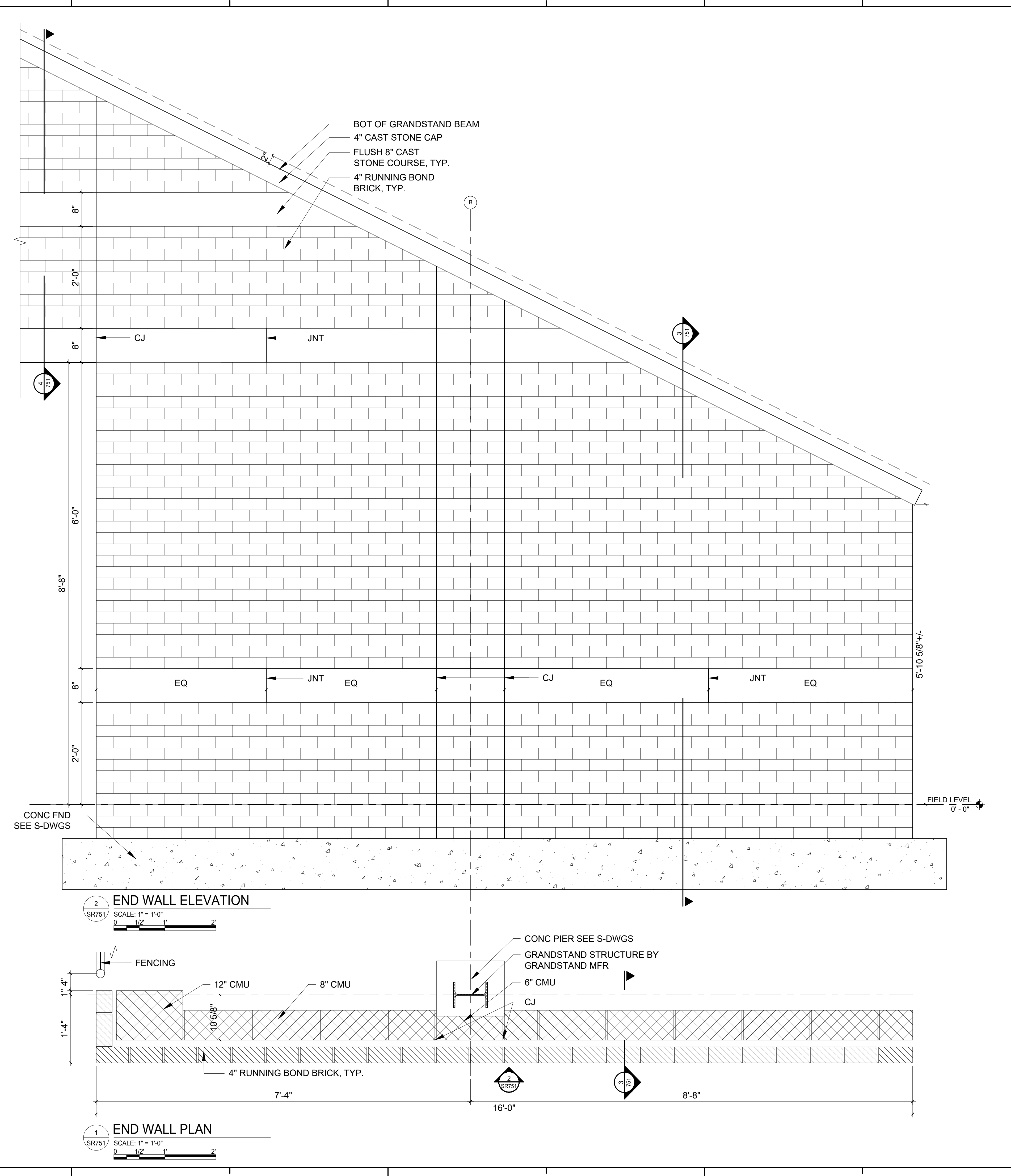
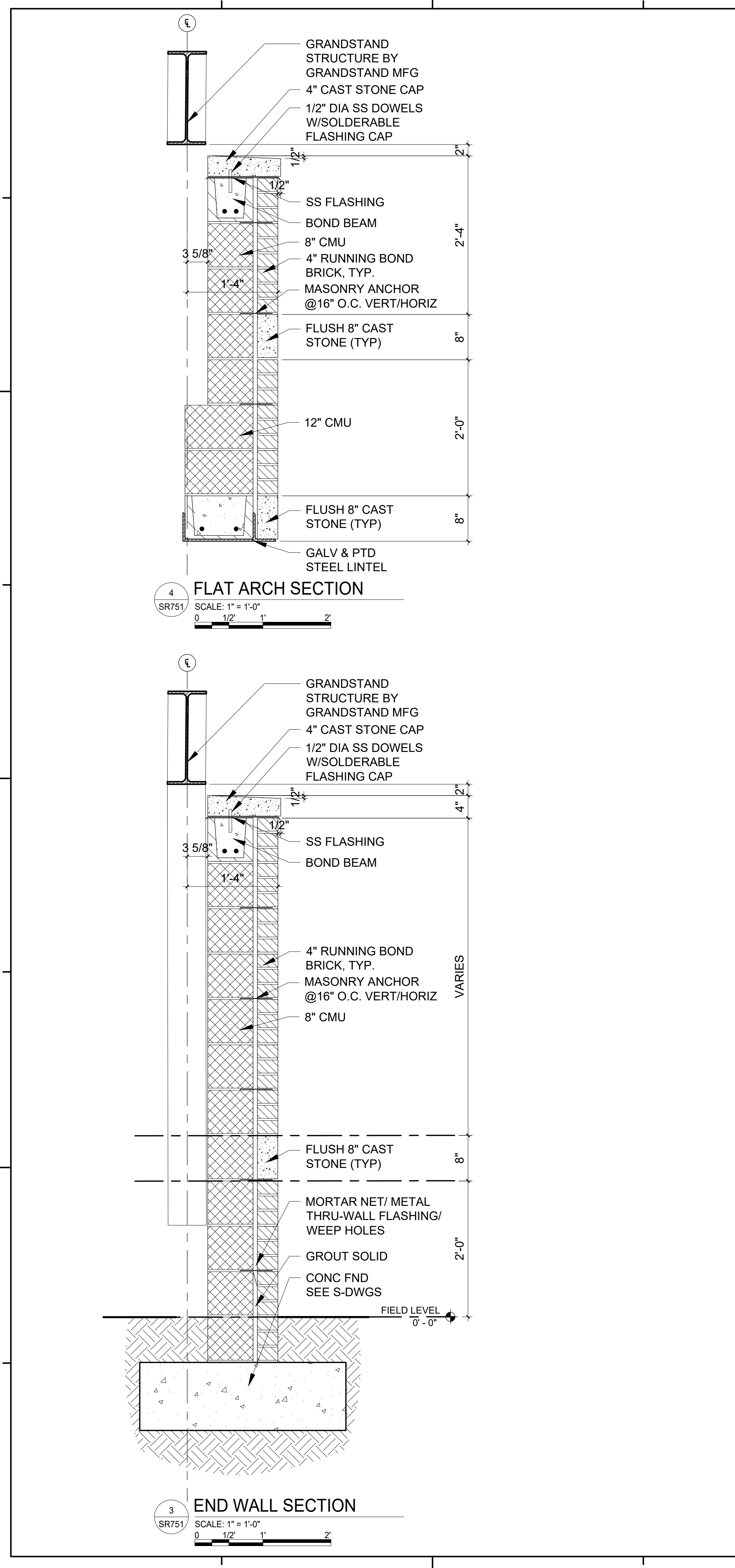
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ENLARGED DETAILS

SR-751

BID SET



BID SET

GENERAL NOTES:

- 1. REFER TO THE PROJECT MANUAL FOR GOVERNING JOB REQUIREMENTS AND MATERIAL SPECIFICATIONS. THE FOLLOWING NOTES ARE SUPPLEMENTAL TO THE ABOVE REQUIREMENTS.
2. ALL DIMENSIONS TO, OF, AND IN EXISTING STRUCTURES SHALL BE VERIFIED IN FIELD BY CONTRACTOR AND ALL DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
3. DO NOT CHANGE THE SIZE OR SPACING OF STRUCTURAL ELEMENTS WITHOUT THE APPROVAL OF THE ENGINEER.
4. DETAILS SHOWN ARE TYPICAL AND APPLY TO SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.
5. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
6. BRACE STRUCTURE AS REQUIRED FOR CONSTRUCTION AND WIND LOADS UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: SHEAR WALLS, ROOF FRAMING AND DECKING.
7. CONTRACTOR SHALL DETERMINE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE/SHE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS/HER FAILURE TO LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES.
8. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE PRIOR TO REMEDIAL OR CORRECTIVE ACTION. ANY SUCH ACTION SHALL REQUIRE PRE-APPROVAL BY THE ENGINEER.
9. EACH CONTRACTOR SHALL COOPERATE WITH THE OWNER'S REPRESENTATIVE AND COORDINATE HIS/HER WORK WITH THE WORK OF OTHERS.
10. VERIFY SIZE AND LOCATION OF OPENINGS PRIOR TO BEGINNING WORK. FOR DIMENSIONS NOT SHOWN, SEE MECHANICAL, ELECTRICAL, CIVIL, AND ARCHITECTURAL DRAWINGS.
11. VERIFY SIZE AND LOCATION OF EQUIPMENT PADS WITH MECHANICAL AND/OR ELECTRICAL CONTRACTOR AND EQUIPMENT MANUFACTURER.

FOUNDATION AND SOIL PREPARATION NOTES:

- 1. THE FOUNDATION DESIGN IS BASED ON TERRACON GEOTECHNICAL REPORT NO. DATED APRIL, 2020. BEARING STRATUM FOR FOOTINGS SHALL BE VERIFIED IN FIELD BY THE GEOTECHNICAL ENGINEER BEFORE PLACING CONCRETE FOOTINGS.
2. THE CONTRACTOR SHALL REVIEW THE REPORT AND BORING LOGS DURING THE BIDDING PHASE OF THE PROJECT.
3. BOTTOM OF ALL FOOTINGS SHALL BE A MINIMUM OF 2'-0" BELOW FINAL FINISHED GRADE. ADJUST FOOTING ELEVATIONS AS REQUIRED TO MAINTAIN MINIMUM FROST COVER.
4. PROVIDE POSITIVE DRAINAGE FOR ALL TRENCHES DURING CONSTRUCTION. DO NOT ALLOW ANY PONDING OF WATER DURING CONSTRUCTION.
5. DO NOT PLACE FOOTINGS IN WATER OR ON FROZEN GROUND. DO NOT ALLOW GROUND BENEATH FOOTINGS TO FREEZE.
6. BEAR ALL FOOTINGS ON TWO FEET OF NO. 57 STONE, COMPACTED. SOIL BEARING SURFACES, PREVIOUSLY ACCEPTED BY OWNER'S REPRESENTATIVE, WHICH ARE ALLOWED TO BECOME SATURATED, FROZEN OR DISTURBED SHALL BE REWORKED TO SATISFACTION OF OWNER'S REPRESENTATIVE.
7. STRUCTURAL FILL: SOUND, DURABLE, SAND, GRAVEL, STONE, OR BLENDS OF THESE MATERIALS, FREE FROM ORGANIC, FROZEN OR OTHER DELETERIOUS MATERIALS, AND MEETING THE FOLLOWING GRADATION REQUIREMENTS:

Table with 2 columns: SIEVE, PERCENT PASSING. Rows include 4" and No. 200 sieves.

- A. FINES PASSING NO. 200 SHALL BE NON-PLASTIC.
B. PARTICLE SIZE ANALYSIS SHALL SHOW NO GAP GRADING.
8. THE SOIL BENEATH THE STRUCTURE AND 5 FEET AROUND THE PERIMETER SHALL BE TREATED AS FOLLOWS:
A. STRIP THE AREA OF ALL VEGETATION.
B. PRODFROLL SOILS TO DETECT UNSTABLE SUBGRADE.
C. PERFORM ALL CUT OPERATIONS TO A MINIMUM OF 2 FEET BELOW THE BOTTOM OF FOOTINGS.
D. THE NEXT 6 INCHES SHALL BE THOROUGHLY SCARIFIED, WITH WATER ADDED TO RAISE THE MOISTURE CONTENT TO AT LEAST 3 PERCENTAGE POINTS ABOVE OPTIMUM, AND RE-COMPACTED TO A DENSITY IN THE RANGE OF 95% TO 100% OF STANDARD PROCTOR. THE FIRST LIFT OF FILL SHALL BE PLACED ON THE COMPACTED SUBGRADE WITHIN EIGHT HOURS OF COMPLETING THE COMPACTION.
E. THE FILL REQUIRED TO BACKFILL UNDER FOOTINGS SHALL BE NO. 57 STONE AND STRUCTURAL FILL UNDER SLABS AND PAVEMENTS SHALL BE EITHER ON SITE FILL OR SELECT (STRUCTURAL) FILL. PLACE ALL FILL (ON SITE OR SELECT) FILL IN 8-INCH LIFTS AND COMPACT TO AT LEAST 95% OF THE STANDARD PROCTOR DENSITY AT A MOISTURE CONTENT WITHIN -3 AND +2 PERCENTAGE POINTS OF OPTIMUM.
F. ALL SLABS-ON-GRADE SHALL BEAR ON A BASE COURSE OF CLEAN, COMPACTED STRUCTURAL FILL.
G. EACH LIFT SHALL BE TESTED FOR MOISTURE CONTENT AND IN PLACE DENSITY AT A RATE OF ONE TEST PER 3,000 SQUARE FEET (MINIMUM OF THREE PER LIFT).

CAST-IN-PLACE CONCRETE NOTES:

- 1. ALL CONCRETE SHALL HAVE A 28 DAY DESIGN COMPRESSIVE STRENGTH OF 3,000 PSI, 20% OF CLASS F FLYASH MAY BE USED WITH THE APPROVAL OF THE ENGINEER AND THE CONCRETE FINISHER/CONTRACTOR BEFORE BIDDING. CONCRETE SHALL HAVE MAXIMUM WATER TO CEMENT RATIO EQUAL TO 0.40.
2. PLACEMENT OF CONCRETE SHALL BE IN CONFORMANCE WITH ACI 117 "SPECIFICATION FOR TOLERANCE FOR CONCRETE AND MATERIALS AND COMMENTARY"
3. IF THE AIR TEMPERATURE IS GREATER THAN 90 DEGREES WITHIN 24 HOURS AFTER PLACEMENT, HOT WEATHER CONCRETE PROCEDURES SHALL BE USED. THE CONTRACTOR SHALL SUBMIT A PROCEDURE TO THE ENGINEER FOR APPROVAL. THESE PROCEDURES MAY INCLUDE THE FOLLOWING:
A. PLACING THE CONCRETE IN THE EARLY MORNING HOURS
B. THE USE OF EVAPORATION REDUCER (SEE BELOW)
C. THE USE OF MISTING AS A CURING METHOD
D. THE USE OF WET BLANKETS AS A CURING METHOD
E. THE USE OF A RETARDING ADMIXTURE (NOT PREFERABLE)
4. FOUR 4"x8" CONCRETE CYLINDERS SHALL BE MADE FOR EVERY 50 CUBIC YARDS OR EACH DAYS POUR, TO BE TESTED AT 7 DAYS AND 28 DAYS AND ONE TO HOLD. THE CONCRETE SLUMP, TEMPERATURE, AND AIR CONTENT SHALL BE MEASURED EVERY TIME A SET OF FOUR CYLINDERS IS MADE.
5. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE APPLICABLE EDITIONS OF THE AMERICAN CONCRETE INSTITUTE STANDARDS "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318). SPLICES IN REINFORCEMENT SHALL MEET CLASS B TENSION LAP REQUIREMENTS UNLESS NOTED OTHERWISE.
6. COVER FOR ALL REINFORCEMENT SHALL MEET THE COVERAGE REQUIREMENTS AS SHOWN IN THE APPLICABLE ACI 318, OR AS SHOWN ON THE DETAILS. COVER DIMENSIONS SHOWN ON THE DETAILS CONTROL OVER ACI.
7. ANY CONCRETE TO BE PLACED FURTHER THAN 16 FEET FROM THE END OF A CONCRETE TRUCK SHALL BE PUMPED WITH A COMMERCIAL CONCRETE PUMPING TRUCK OR OTHER PLACEMENT METHOD APPROVED BY THE ENGINEER. THE CONCRETE TRUCK SHALL NOT BE ALLOWED TO DRIVE OVER THE SUBGRADE OR THE SLAB REINFORCEMENT.
8. REINFORCING STEEL SHALL BE DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60. #4 REINFORCEMENT BARS AND SMALLER SHALL BE COLD BENT WHENEVER BENDING IS REQUIRED IN THE FIELD. REINFORCEMENT GREATER THAN A #4 BAR MAY NOT BE BENT IN THE FIELD WITHOUT APPROVAL OF THE ENGINEER.
9. PROVIDE CORNER BARS IN STRIP FOOTINGS AND FOUNDATIONS, THE SAME SIZE AND NUMBER AS CONTINUOUS REINFORCEMENT UNLESS NOTED OTHERWISE.
10. DOWEL CONCRETE WALLS AND PIERS INTO FOOTINGS WITH DOWELS THE SAME SIZE AND SPACING AS VERTICAL REINFORCEMENT. EXTEND DOWELS TO WITHIN 3" OF BOTTOM OF FOOTING, TERMINATED WITH ACI STD. 90 DEGREE HOOK, UNLESS NOTED OTHERWISE.
11. PROVIDE A ROUGH CONCRETE SURFACE (1/4" MINIMUM AMPLITUDE) AT THE INTERSECTION OF CONCRETE WALLS, STEM WALLS, AND PILASTERS WITH THE TOP OF FOOTINGS. DO NOT PROVIDE A KEYWAY UNLESS SHOWN OR NOTED ON THE DRAWINGS

- 12. PROVIDE 3/4" x 3/4" CHAMFER AT ALL EXPOSED CORNERS UNLESS NOTED OTHERWISE.
13. NO HOLES OR OPENINGS ARE PERMITTED THROUGH CONCRETE SLABS OR WALLS EXCEPT AS FOLLOWS:
A. WHERE SHOWN AND AS DETAILED ON DRAWINGS.
B. MISCELLANEOUS HOLES THROUGH SLABS OR WALLS WHICH DO NOT DISPLACE MORE THAN ONE BAR. THESE DO NOT REQUIRE ADDITIONAL REINFORCEMENT.
14. LOCATE ADDITIONAL CONSTRUCTION JOINTS REQUIRED TO FACILITATE CONSTRUCTION AS ACCEPTABLE TO ENGINEER. PLACE REINFORCEMENT CONTINUOUSLY THROUGH JOINT. DETAIL JOINT AND SHOW ON SHOP DRAWINGS.
15. CAST CONCRETE ON SLOPED SURFACES BEGINNING AT LOWEST ELEVATION AND CONTINUING MONOLITHICALLY TOWARD HIGHER ELEVATIONS UNTIL INTENDED POUR IS COMPLETED.
16. REINFORCING BARS, BAR SUPPORTS, AND SPACERS SHALL BE DETAILED AND PROVIDED IN ACCORDANCE WITH THE APPLICABLE ACI DETAILING MANUAL. USE WIRE-BAR SUPPORTS COMPLYING WITH CRSI SPECIFICATIONS. SUPPORTS SHALL NOT BE PLACED FURTHER THAN 4 FEET APART. DAYTON SUPERIOR PRODUCTS (800-745-3700) OR EQUAL UNLESS NOTED OTHERWISE IN THE SPECIFICATIONS:
A. AT SLABS-ON-GRADE: (SLAB THICKNESS MINUS 1 1/2 INCHES) HIGH. USE SUPPORTS WITH SAND PLATES OR HORIZONTAL RUNNERS WHERE BASE MATERIAL WILL NOT SUPPORT CHAIR LEGS. CONCRETE BLOCK OR CLAY MASONRY MAY NOT BE USED.
B. AT FOOTINGS: 3 IN. HIGH. USE SUPPORTS WITH SAND PLATES OR HORIZONTAL RUNNERS WHERE BASE MATERIAL WILL NOT SUPPORT CHAIR LEGS. CONCRETE BLOCK OR CLAY MASONRY MAY NOT BE USED.
C. FOR EXPOSED TO VIEW CONCRETE SURFACES WHERE LEGS OF SUPPORTS ARE IN CONTACT WITH THE FORMS, PROVIDE SUPPORTS WITH LEGS THAT ARE PLASTIC PROTECTED (CRSI, CLASS 1) OR STAINLESS STEEL PROTECTED (CRSI, CLASS 2).
17. SAWCUTS IN CONCRETE SLABS ON GRADE SHALL BE MADE AS SOON AS THE CONCRETE IS OF SUFFICIENT STRENGTH TO SAW WITHOUT RAVELING THE AGGREGATE. ANY TIME LATER THAN 8 HOURS AFTER PLACING THE CONCRETE SHALL BE PERMITTED ONLY IF APPROVED BY THE ENGINEER. JOINTS TO BE FILLED AS INDICATED ON DRAWINGS.
18. ADHESIVE ANCHORS WITH REBAR OR THREADED RODS SHALL BE AS NOTED BELOW. INSTALL ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, WHICH INCLUDES CLEANING THE HOLE WITH AIR AND USING A MANUFACTURER APPROVED DISPENSING TOOL WITH MIXING NOZZLE.
A. INTO CONCRETE OR GROUDED CMU: HILTI HIT-HY 200, SIMPSON SET HIGH STRENGTH EPOXY-TIE ANCHORING ADHESIVE OR APPROVED EQUAL.
19. NO PIPING OR CONDUITS SHALL BE INSTALLED IN ANY CONCRETE WITHOUT THE APPROVAL OF THE ENGINEER.
20. ALL DOWELS, EMBEDDED STEEL ELECTRICAL CONDUITS, PIPE SLEEVES, PIPING, WATERSTOPS, INSERTS, GROUNDS, AND ALL OTHER EMBEDDED ITEMS FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT. FOR EMBEDDED ITEMS AND REQUIRED DETAILS, SEE CIVIL, AQUATICS/SWIMMING POOL, MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS. VERIFY SIZE AND LOCATION OF ALL OPENINGS.

CONCRETE MASONRY UNIT (CMU) WALL NOTES:

- 1. REFER TO THE ARCHITECTURAL DRAWINGS OR SPECIFICATIONS FOR TYPES OF MASONRY OTHER THAN CONCRETE MASONRY, SUCH AS BRICK. THESE NOTES DO NOT APPLY TO 4" VENEER CMU. IF THERE ARE ANY CONFLICTS BETWEEN THE WRITTEN SPECIFICATIONS AND THESE NOTES, THESE NOTES SHALL GOVERN.
2. MORTAR SHALL CONFORM TO TABLE 1 OF ASTM C270, TYPE S, UNLESS NOTED OTHERWISE. THE MORTAR MIX DESIGN (BY VOLUME) SHALL BE SUBMITTED TO THE ENGINEER BEFORE CONSTRUCTION BEGINS. HOLLOW CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90 NORMALWEIGHT SPECIFICATIONS WITH A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI. THE SPECIFIED COMPRESSIVE STRENGTH, f_m, IS 2,000 PSI.
3. ALL CMU WALL CELLS SHALL BE GROUDED SOLID UNLESS NOTED OTHERWISE. CMU SHALL BE LAID IN RUNNING BOND.
4. COARSE CONCRETE GROUT SHALL CONFORM TO TABLE 1 OF ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A SLUMP OF 8 TO 11 INCHES. GROUT MAY BE EITHER READY MIXED OR JOB MIXED. THE GROUT MIX DESIGN (BY VOLUME) SHALL BE SUBMITTED TO THE ENGINEER BEFORE CONSTRUCTION BEGINS.
5. WHEN MIXING MORTAR AND GROUT, CONTAINERS OF KNOWN VOLUME SHALL BE USED. MEASUREMENT USING SHOVELS SHALL NOT BE ALLOWED. FOR GROUT, THE SAND AND PEA GRAVEL SHALL BE TAKEN FROM SEPARATE PILES, NOT FROM A PRE-BLENDED PILE. IF MEASUREMENT BY SHOVELING OR USE OF A PRE-BLENDED PILE IS DISCOVERED, THE ENGINEER MAY REQUIRE ALL WALLS BUILT SO FAR TO BE TESTED PER ASTM C 1314 BY CUTTING 3 MASONRY PRISMS AND 3 GROUT CORES OUT OF THE WALL FOR EVERY 5,000 SQUARE FEET OF WALL, AND MAY REQUIRE ANY AREA OF WALL TESTING BELOW 2,250 PSI TO BE REPLACED AT NO COST TO THE OWNER.
6. COLD WEATHER AND HOT WEATHER PROCEDURES SHALL BE USED IN ACCORDANCE WITH ACI 530.1/ASCE 6/TMS 602 ARTICLE 1.8C AND 1.8D.
7. REINFORCING STEEL SHALL BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
8. UNLESS NOTED OTHERWISE, WALLS SHALL BE REINFORCED AS FOLLOWS:

Table with 3 columns: DESCRIPTION, VERT REINFORCING, HORIZ REINFORCING. Rows describe wall reinforcement details for 6", 8", and 12" walls.

SEE TYPICAL MASONRY WALL REINFORCING DETAIL ON SR-813 FOR ADDITIONAL INFORMATION

- 9. REINFORCEMENT. ALL REINFORCEMENT BARS IN CMU WALL SHALL BE PROVIDED WITH 1 3/16" CONCRETE GROUT COVER.

STEEL NOTES:

- 1. STRUCTURAL STEEL FABRICATION AND ERECTION SHALL CONFORM TO THE AISC MANUAL OF STEEL CONSTRUCTION.
2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY.
3. ANY CONNECTIONS WITHOUT WELD SYMBOLS SHALL BE AT A MINIMUM WELDED ALL AROUND WITH THE MINIMUM FILLET OR BUTT WELD SIZE.
4. STRUCTURAL STEEL ANGLES, PLATES, ETC. SHALL CONFORM TO ASTM A36 REQUIREMENTS (36 KSI). STRUCTURAL STEEL W AND C SHAPES SHALL CONFORM TO ASTM A992 (50 KSI). STRUCTURAL TUBING AND PIPES SHALL CONFORM TO THE ASTM A500 GRADE B REQUIREMENTS (46 KSI).
5. DO NOT PLACE HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
6. CONNECTIONS:
A. ALL BOLTED CONNECTIONS ARE TO BE 3/4" MINIMUM DIAMETER A325 TYPE N OR SC BOLTS IN STANDARD HOLES UNLESS NOTED OTHERWISE.
B. INDICATOR BOLTS EQUAL TO TENSION FOR CONTROL BOLTS OF THE LeJUNE COMPANY OF BURNSVILLE, MINNESOTA (800-872-2658) SHALL BE USED.
7. FRAME ALL OPENINGS IN ROOF DECK 8" OR LARGER WITH A STRUCTURAL STEEL MEMBER ON ALL SIDES EXCEPT WHERE A SIDE MAY BE WITHIN 1'-0" OF ANOTHER FRAMING MEMBER. FRAMING NOT REQUIRED FOR ROOF OPENINGS SMALLER THAN 8"
8. PROVIDE 3/8" STIFFENER PLATES ON EACH SIDE OF THE WEB OF ALL BEAMS AT ALL SUPPORTS THAT ARE BELOW THE BEAM, AND AT ALL COLUMNS THAT ARE ABOVE THE BEAM, OMITTING WHERE BEAMS INTERSECT.

DESIGN CRITERIA:

DESIGN LOADS ARE BASED ON THE 2020 GEORGIA STATE MINIMUM STANDARD BUILDING CODE (2018 INTERNATIONAL BUILDING CODE WITH GEORGIA STATE AMENDMENTS)

ROOF DEAD LOADS:

Table listing roof dead loads: OFFICIALS BUILDINGS/ELECTRICAL ROOM, MEMBRANE ROOFING (2 PSF), INSULATION (2 PSF), PLYWOOD ROOF SHEATHING (2 PSF), GYPSUM BOARD CEILING (5 PSF), MECH/ELEC/PLUMB (13 PSF).

PRESSBOX/BLEACHER: PER BLEACHER MANUFACTURER

FLOOR LIVE LOADS:

Table listing floor live loads: GROUND SLAB (100 PSF), RESTROOMS (60 PSF), PER BLEACHER MANUFACTURER.

ROOF LIVE LOAD:

Table listing roof live load: 20 PSF.

ROOF SNOW LOAD:

Table listing roof snow load: GROUND SNOW LOAD, P_g (0 PSF), FLAT-ROOF SNOW LOAD, P_f (0 PSF), SNOW EXPOSURE FACTOR, C_e (1.0), SNOW LOAD IMPORTANCE FACTOR, I_s (1.0), THERMAL FACTOR, C_t (1.0).

WIND DESIGN DATA:

Table listing wind design data: RISK CATEGORY (II), ULTIMATE DESIGN WIND SPEED (134 MPH), NOMINAL DESIGN WIND SPEED (104 MPH), WIND EXPOSURE CATEGORY (B), INTERNAL PRESSURE COEFFICIENT (0), COMPONENTS AND CLADDING WIND PRESSURE (10 SQ. FT EFFECTIVE WIND AREA).

EARTHQUAKE DESIGN DATA:

Table listing earthquake design data: RISK CATEGORY (II), SEISMIC IMPORTANCE FACTOR (1.0), MAPPED SPECTRAL RESPONSE ACCELERATIONS (S_s = 0.307, S_1 = 0.112).

SITE CLASS:

Table listing site class: DESIGN SPECTRAL RESPONSE ACCELERATIONS (S_DS = 0.318, S_D1 = 0.178).

SEISMIC DESIGN CATEGORY:

Table listing seismic design category: BASIC SEISMIC-FORCE-RESISTING SYSTEM (INTERMEDIATE REINFORCED MASONRY SHEAR WALLS), DESIGN BASE SHEAR (OFFICIALS BUILDINGS) (5.5 KIPS), DESIGN BASE SHEAR (ELECTRICAL ROOM) (1.9 KIPS), DESIGN BASE SHEAR (HOME DUGOUT) (2.9 KIPS), DESIGN BASE SHEAR (AWAY DUGOUT) (2.2 KIPS), SEISMIC RESPONSE COEFFICIENT, C_s (0.0909), RESPONSE MODIFICATION FACTOR, R (3.5), EQUIVALENT LATERAL FORCE ANALYSIS.

GEOTECHNICAL INFORMATION:

Table listing geotechnical information: DESIGN ALLOWABLE SOIL BEARING PRESSURE (2000 PSF), MOIST UNIT WEIGHT OF BACKFILL (125 PCF), COEFFICIENT OF SLIDING FRICTION (0.32), MINIMUM SAFETY FACTOR AGAINST SLIDING AND OVERTURNING (1.5 - SLIDING; 2.0 - OVERTURNING), SUBGRADE MODULUS (120 PCI).

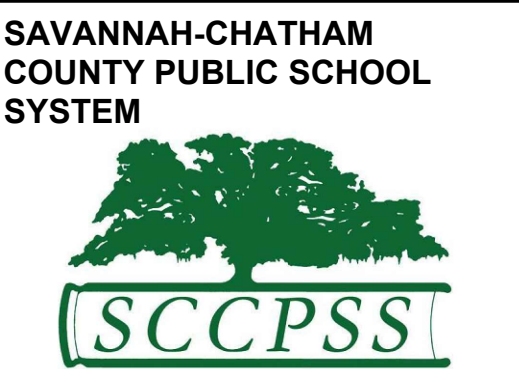
FLOOD DESIGN DATA:

THESE BUILDINGS AND STRUCTURES ARE NOT DESIGNED FOR FLOOD LOADS.

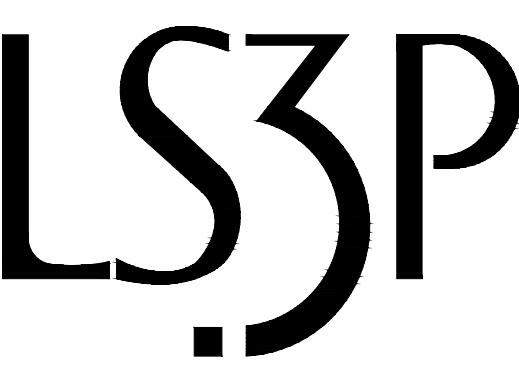
ABBREVIATIONS:

Large table of abbreviations including AT, ANCHOR BOLT, ADDITIONAL, ADJACENT, ABOVE FINISHED FLOOR, ANCHOR, ALTERNATE, APPROXIMATE, ARCHITECT, BACK TO BACK, BEVEL, BUILDING, BLOCKING, BOTTOM OF, BOTTOM OF STEEL, BOTTOM, BASE PLATE, BRIDGING, BEARING, BASEMENT, CANTILEVER, CONSTRUCTION CONTRACTOR, COLD-FORMED METAL FRAMING, CHAMFER, CONTROL JOINT, CENTER LINE, CAULKED JOINT, CLEAR, CONCRETE MASONRY UNIT, CLEAN OUT, COLUMN, CONCRETE, CONSTRUCTION JOINT, CONTINUOUS, COORDINATE, COUNTER SUNK, CUBIC FEET, CUBIC YARD, DOUBLE, DEMOLITION, DETAIL, DIAMETER, DIMENSION, DEAD LOAD, DOWN, DRAWING, EACH, EACH END, EACH FACE, EXPANSION JOINT, ELEVATION, ELECTRICAL, EDGE OF DECK, EDGE OF SLAB, EQUAL, EQUIPMENT, EACH WAY, EXPANSION, EXISTING, EXTERIOR, FABRICATE, FURNISHED BY OTHERS, FLOOR DRAIN, FOUNDATION, FLOOR, FACE OF MASONRY, FRAMING, FOOTING STEP, FOOT, FOOTING, FIRE WALL, GAGE, GALVANIZED, GUARD RAIL, GRADE BEAM, HANDRAIL, HORIZONTAL, HIGH POINT, INSIDE DIAMETER, INSIDE FACE, INCHES, INSIDE FACE, INFORMATION, INSULATION, INVERT, ISOLATION JOINT, OUTSIDE FACE, JOIST BEARING ELEVATION, KIPS, KNEE BRACE, KNOCKOUT, KICK PLATE, KIPS PER SQUARE FOOT, KEY WAY, LOAD BEARING, LIVE LOAD, LONG LEG BACK TO BACK, LONG LEG HORIZONTAL, LONG LEG VERTICAL, LONGITUDINAL, LOW POINT, MAXIMUM, MECHANICAL, MECHANICAL-ELECTRICAL-PLUMBING, MANUFACTURER, MINIMUM, MASONRY OPENING, METAL, NOT IN CONTRACT, NOMINAL, NOT TO SCALE, ON CENTER, OUTSIDE DIAMETER, OUTSIDE FACE, OPENING, OPPOSITE, POWDER ACTUATED FASTENER, PRECAST CONCRETE, PRE ENGINEERED METAL BUILDING, PLATE, PLATFORM, POUNDS PER LINEAR FOOT, PREFABRICATED, PRELIMINARY, POUNDS PER SQUARE FOOT, PRESSURE TREATED, PURLINS, PAVEMENT, QUALITY CONTROL, RADIUS, ROOF DRAIN, RIGID INSULATION, REFERENCE, REINFORCING, REQUIRED, RETAINING, ROOF HATCH, ROUGH OPENING, SCHEDULE, SQUARE FEET, SIMILAR, SPACE(S), SPECIFICATION, SQUARE, STATION, STANDARD, STEEL, TOP AND BOTTOM, TRENCH DRAIN, TEMPORARY, THICKNESS, THROUGH, TOP OF CONCRETE, TOP OF STEEL, TOP OF SLAB, TYPICAL, UNEXCAVATED, UNLESS NOTED OTHERWISE, VERTICAL, VERIFY IN FIELD, VAPOR RETARDER, WITH, WITHOUT, WOOD BLOCKING, WALL FOOTING, WORKING POINT, WALL STEP, WELDED WIRE FABRIC, CROSS BRACE, EXTRA STRONG, DOUBLE EXTRA STRONG.

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RFP C24-01 Groves Athletic Field & Fieldhouse



321 WEST CONGRESS STREET SUITE 301 SAVANNAH, GEORGIA 31401 TEL. 912.695.2111 FAX 912.298.0206 WWW.LS3P.COM



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Table with 3 columns: No., Description, Date.

PROJECT: 5201-192070 DATE: 10/09/2020 DRAWN BY: BAS CHECKED BY: PMB

STRUCTURAL NOTES SR-800

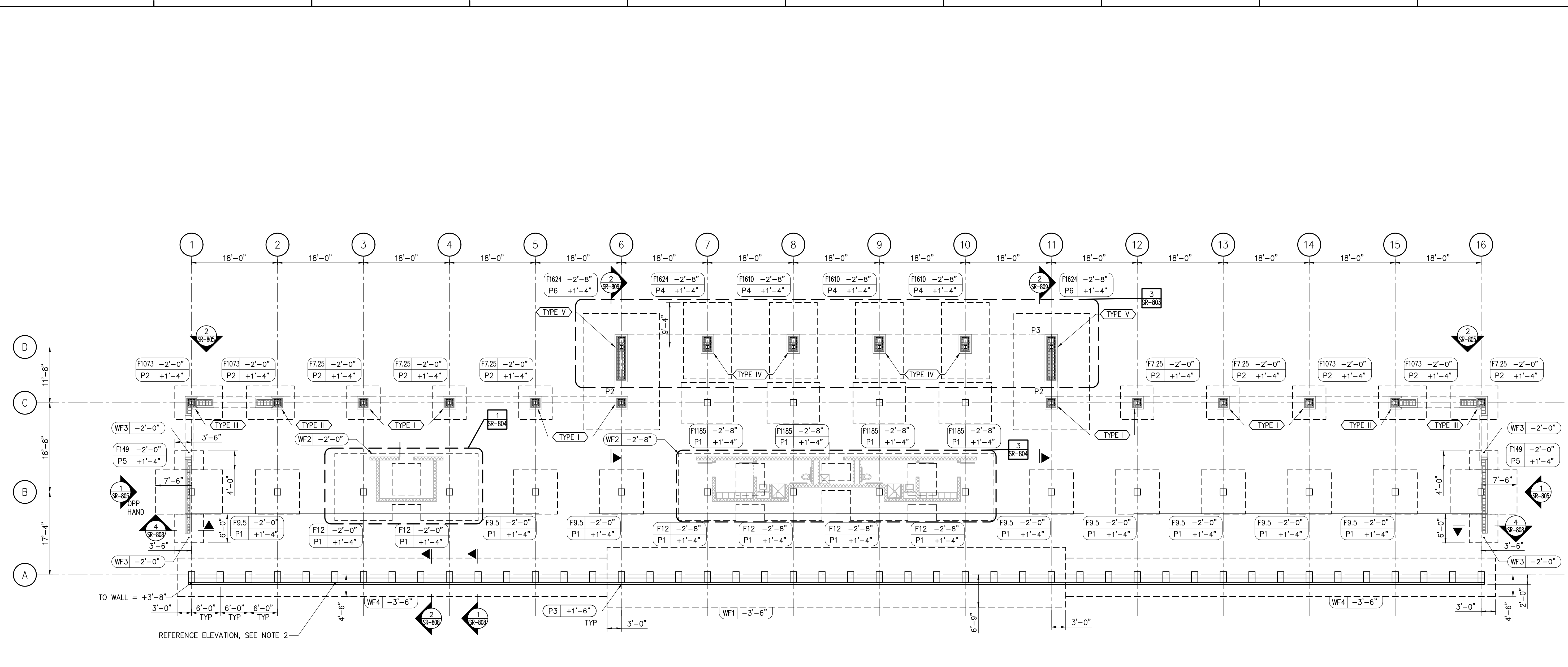
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PROJECT: 5201-192070
 DATE: 10/09/2020
 DRAWN BY: BAS
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HOME (WEST) GRANDSTAND FOUNDATION PLAN
SR-801



1 HOME (WEST) GRANDSTAND FOUNDATION PLAN
 SR-801 SCALE: 3/32" = 1'-0"

- NOTES:
1.  INDICATES PILASTER TYPE; REFER TO TYPICAL PILASTER DETAILS ON SR-814.
 2. REFERENCE ELEVATION 0'-0" SHALL BE AT TOP OF SLAB-ON-GROUND ELEVATION = 23.44' ALL ELEVATIONS INDICATED SHALL BE TAKEN FROM THIS REFERENCE ELEVATION UNLESS NOTED OTHERWISE.

PIER SCHEDULE

MARK	SIZE (L X W)	REINFORCING
P1	1'-4" X 1'-4"	(8)-#6 VERT W/#4 TIES @ 6"
P2	1'-10" X 1'-10"	(12)-#6 VERT W/#4 TIES @ 12"
P3	2'-3" X 1'-4"	(8)-#6 VERT W/#4 TIES @ 12"
P4	1'-10" X 3'-2"	(16)-#6 VERT W/#4 TIES @ 12"
P5	1'-6 5/8" X 1'-4"	(8)-#6 VERT W/#4 TIES @ 6"
P6	1'-10" X 10'-0"	(22)-#6 VERT W/#4 TIES @ 12"

FOOTING SCHEDULE

MARK	SIZE	REINFORCING
F7.25	7'-3" x 7'-3" x 1'-6"	(7)-#7 EW BOTTOM
F9.5	9'-6" x 9'-6" x 2'-0"	(10)-#7 EW BOTTOM
F1073	10'-0" x 7'-3" x 1'-6"	(10)-#6 SHORT BOTTOM (7)-#6 LONG BOTTOM
F1185	11'-0" x 8'-6" x 2'-0"	(10)-#7 SHORT BOTTOM (9)-#7 LONG BOTTOM
F12	9'-6" x 9'-6" x 2'-0"	(12)-#7 EW BOTTOM
F149	14'-6" x 9'-6" x 2'-0"	(13)-#7 SHORT BOTTOM (10)-#7 LONG BOTTOM
F1610	16'-0" x 10'-0" x 2'-0"	(16)-#7 SHORT BOTTOM (10)-#7 LONG BOTTOM
F1624	16'-0"W x 24'-4" x 2'-0"	(24)-#7 SHORT TOP & BOTTOM (16)-#7 LONG TOP & BOTTOM
WF1	12'-6"W X 2'-0"H	#7 @ 12" OC CONTINUOUS BOT #7 @ 12" OC TRANSVERSE BOT
WF2	2'-0"W X 1'-0"H	#6 @ 8" OC CONTINUOUS BOT #6 @ 12" OC TRANSVERSE BOT
WF3	6'-0"W X 2'-0"H	#7 @ 12" OC CONTINUOUS BOT #7 @ 12" OC TRANSVERSE BOT
WF4	8'-0"W X 2'-0"H	#7 @ 12" OC CONTINUOUS BOT #7 @ 12" OC TRANSVERSE BOT

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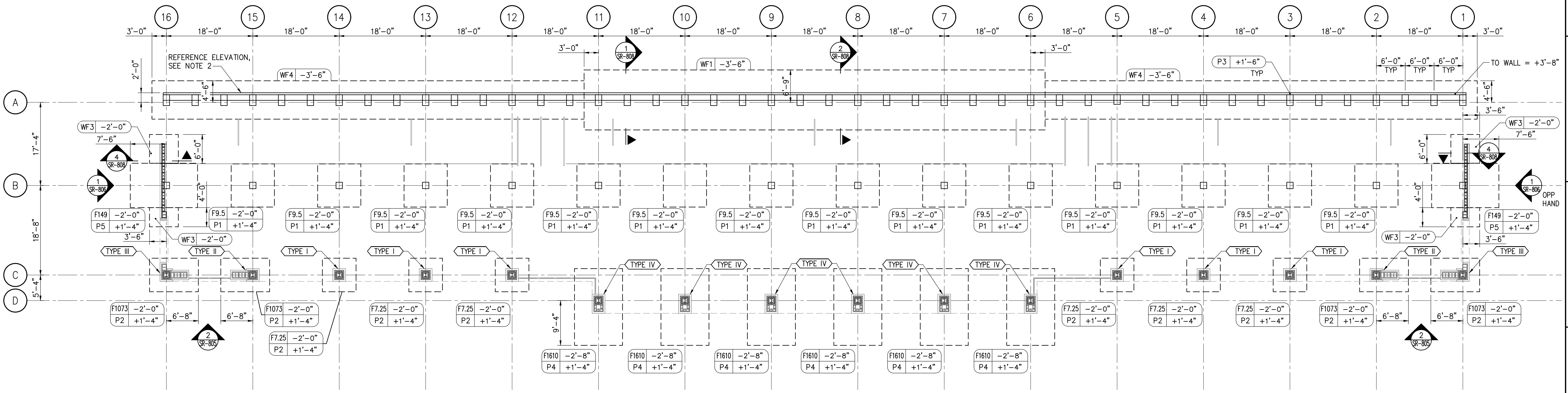


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PROJECT: 5201-192070
 DATE: 10/09/2020
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**VISITOR (EAST) GRANDSTAND FOUNDATION PLAN
 SR-802**



1 VISITOR (EAST) GRANDSTAND FOUNDATION PLAN
 SR-802 SCALE: 3/32" = 1'-0"

- NOTES:
- TYPE I INDICATES PILASTER TYPE; REFER TO TYPICAL PILASTER DETAILS ON SR-814.
 - REFERENCE ELEVATION 0'-0" SHALL BE AT TOP OF SLAB-ON-GROUND ELEVATION = 23.44' ALL ELEVATIONS INDICATED SHALL BE TAKEN FROM THIS REFERENCE ELEVATION UNLESS NOTED OTHERWISE.

PIER SCHEDULE

MARK	SIZE (L X W)	REINFORCING
P1	1'-4" X 1'-4"	(8)-#6 VERT W/#4 TIES @ 6"
P2	1'-10" X 1'-10"	(12)-#6 VERT W/#4 TIES @ 12"
P3	2'-3" X 1'-4"	(8)-#6 VERT W/#4 TIES @ 12"
P4	1'-10" X 3'-2"	(16)-#6 VERT W/#4 TIES @ 12"
P5	1'-6 5/8" X 1'-4"	(8)-#6 VERT W/#4 TIES @ 6"
P6	1'-10" X 10'-0"	(22)-#6 VERT W/#4 TIES @ 12"

FOOTING SCHEDULE

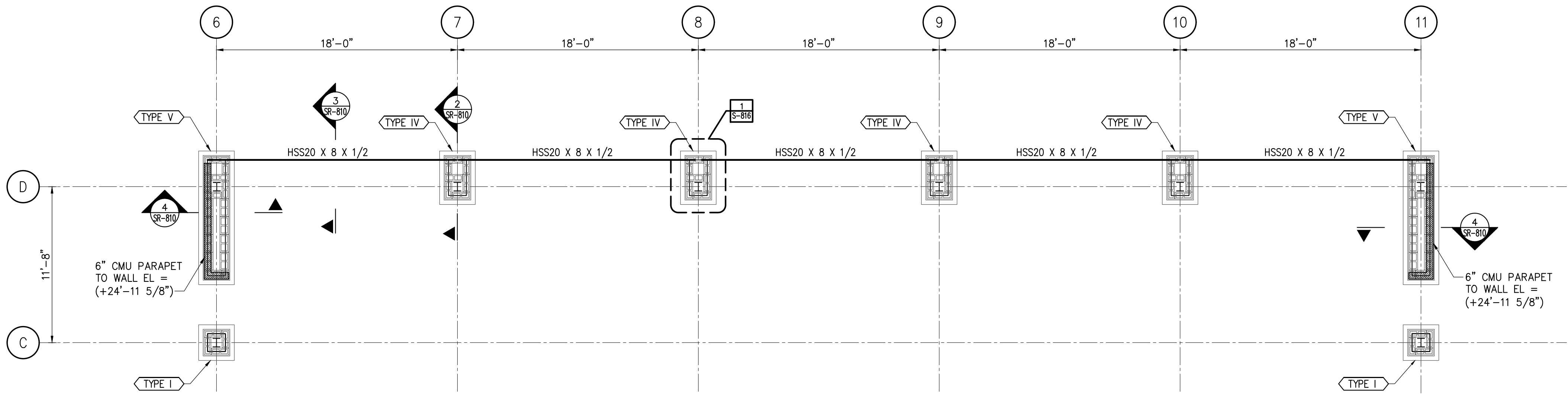
MARK	SIZE	REINFORCING
F7.25	7'-3" x 7'-3" x 1'-6"	(7)-#7 EW BOTTOM
F9.5	9'-6" x 9'-6" x 2'-0"	(10)-#7 EW BOTTOM
F1073	10'-0" x 7'-3" x 1'-6"	(10)-#6 SHORT BOTTOM (7)-#6 LONG BOTTOM
F1185	11'-0" x 8'-6" x 2'-0"	(10)-#7 SHORT BOTTOM (9)-#7 LONG BOTTOM
F12	9'-6" x 9'-6" x 2'-0"	(12)-#7 EW BOTTOM
F149	14'-6" x 9'-6" x 2'-0"	(13)-#7 SHORT BOTTOM (10)-#7 LONG BOTTOM
F1610	16'-0" x 10'-0" x 2'-0"	(16)-#7 SHORT BOTTOM (10)-#7 LONG BOTTOM
F1624	16'-0"W x 24'-4" x 2'-0"	(24)-#7 SHORT TOP & BOTTOM (16)-#7 LONG TOP & BOTTOM
WF1	12'-6"W X 2'-0"H	#7 @ 12" OC CONTINUOUS BOT #7 @ 12" OC TRANSVERSE BOT
WF2	2'-0"W X 1'-0"H	#6 @ 8" OC CONTINUOUS BOT #6 @ 12" OC TRANSVERSE BOT
WF3	6'-0"W X 2'-0"H	#7 @ 12" OC CONTINUOUS BOT #7 @ 12" OC TRANSVERSE BOT
WF4	8'-0"W X 2'-0"H	#7 @ 12" OC CONTINUOUS BOT #7 @ 12" OC TRANSVERSE BOT

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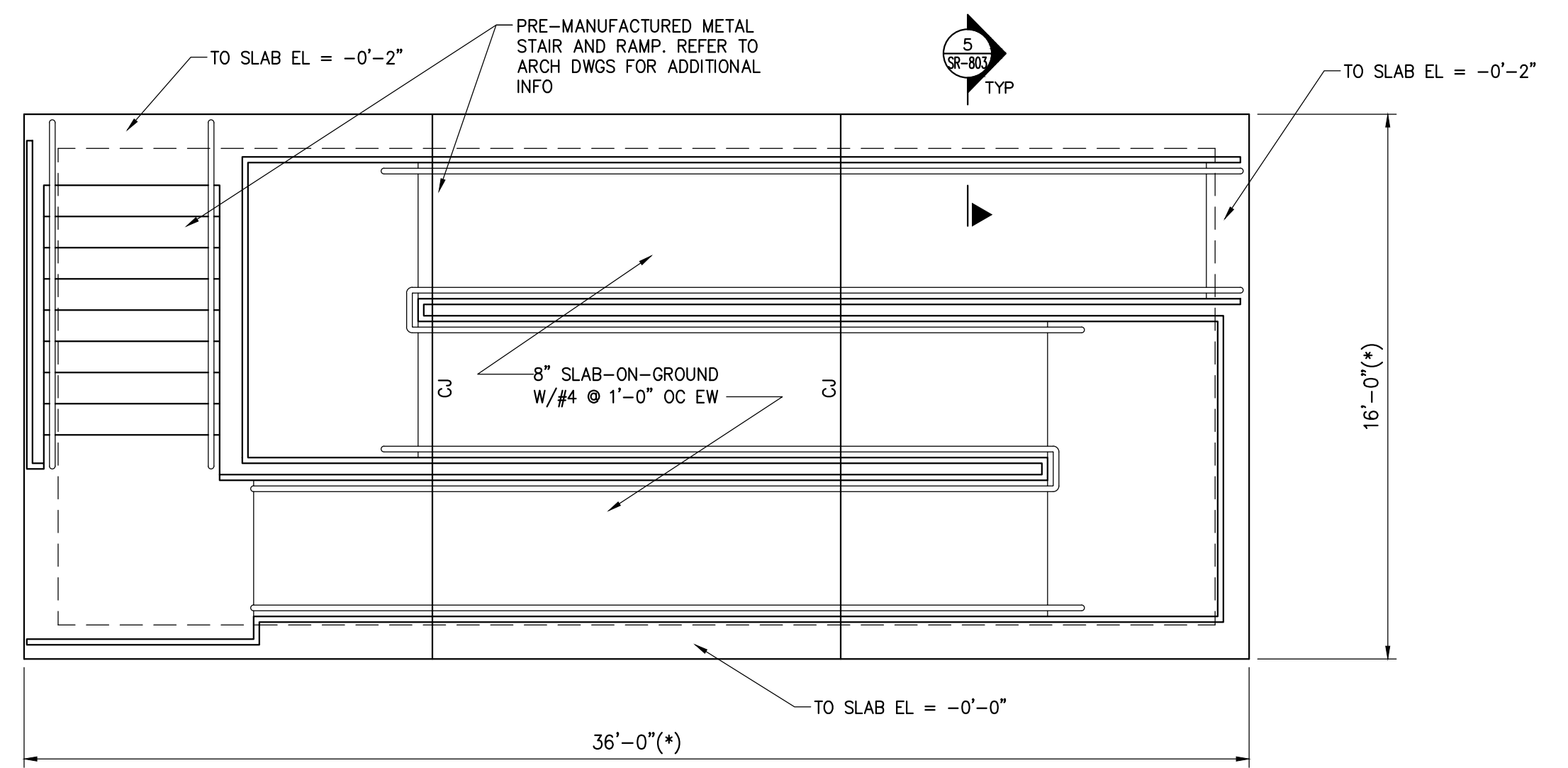
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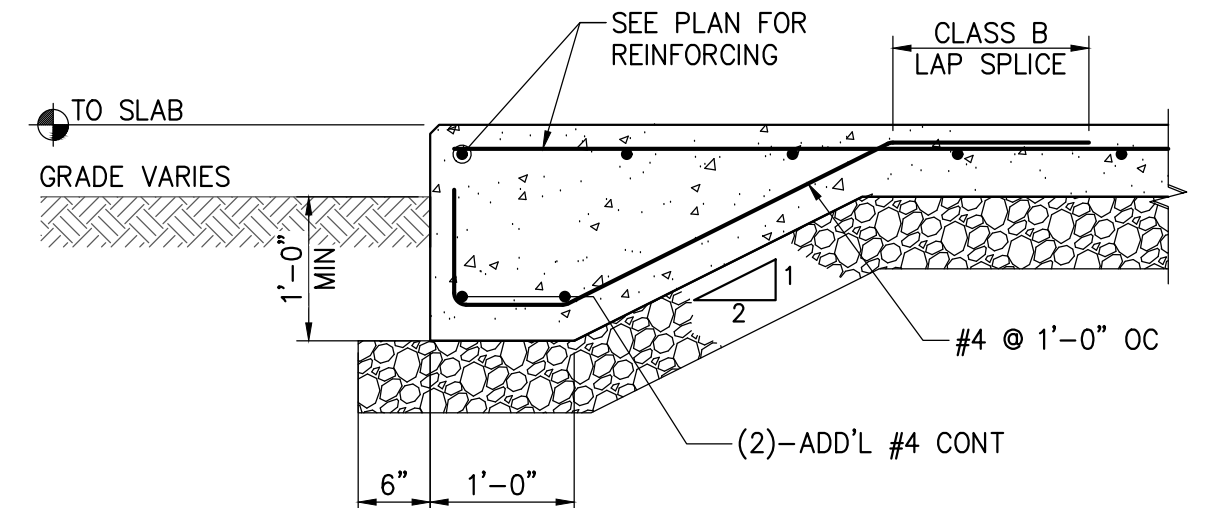
3 ENLARGED PARTIAL HOME GRANDSTAND FRAMING PLAN
 SR-803 SCALE: 3/16" = 1'-0"

NOTE:
 TOP OF STEEL ELEVATION = +22'-1" UNLESS NOTED OTHERWISE.



4 ENLARGED PARTIAL GRANDSTAND RAMP FOUNDATION PLAN
 SR-803 SCALE: 3/16" = 1'-0"

NOTE:
 1. (*) DIMENSION SHALL BE COORDINATED WITH APPROVED PRE-MANUFACTURED STAIR AND RAMP SHOP DRAWINGS.
 2. TO SLAB ELEVATION = (-0'-0") FROM REFERENCE ELEVATION 23.44' UNLESS NOTED OTHERWISE.



5 SECTION
 SR-803 SCALE: 3/4" = 1'-0"

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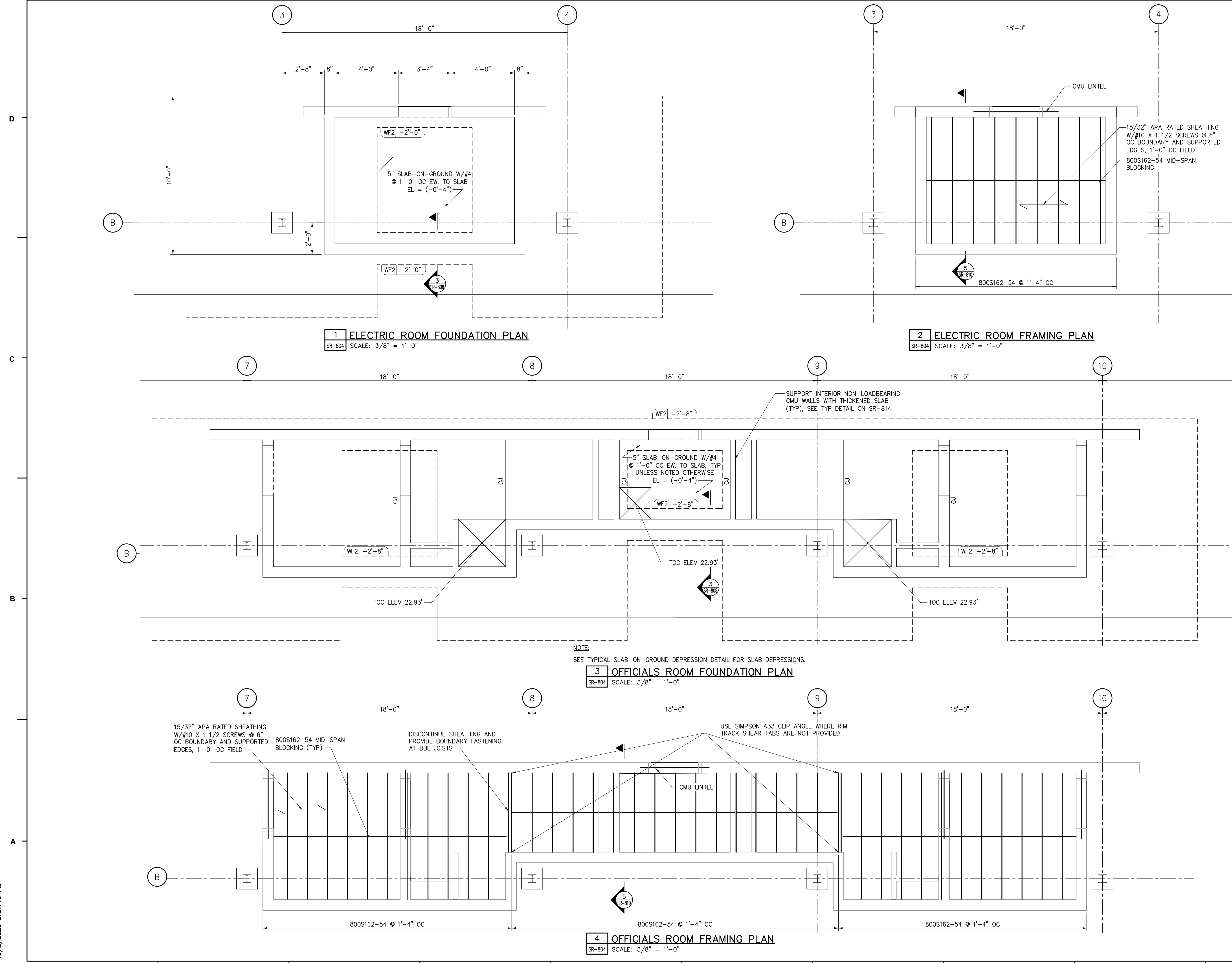
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**ELECTRIC AND OFFICIALS ROOM FOUNDATION AND FRAMING PLAN
 SR-804**

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NOTE:
 SEE TYPICAL SLAB-ON-GROUND DEPRESSION DETAIL FOR SLAB DEPRESSIONS.

3 OFFICIALS ROOM FOUNDATION PLAN
 SR-804 SCALE: 3/8" = 1'-0"

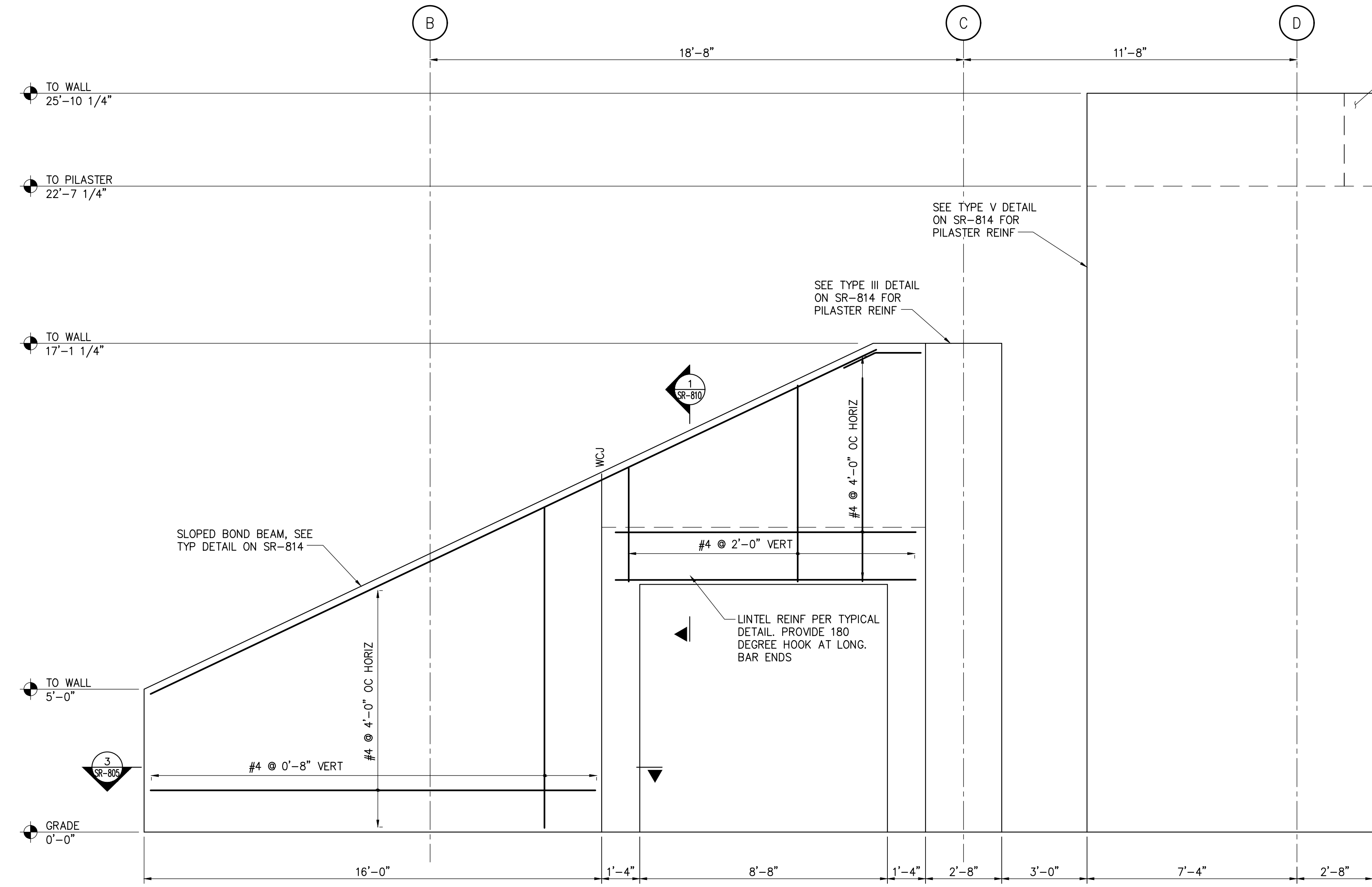
4 OFFICIALS ROOM FRAMING PLAN
 SR-804 SCALE: 3/8" = 1'-0"

REVISIONS:

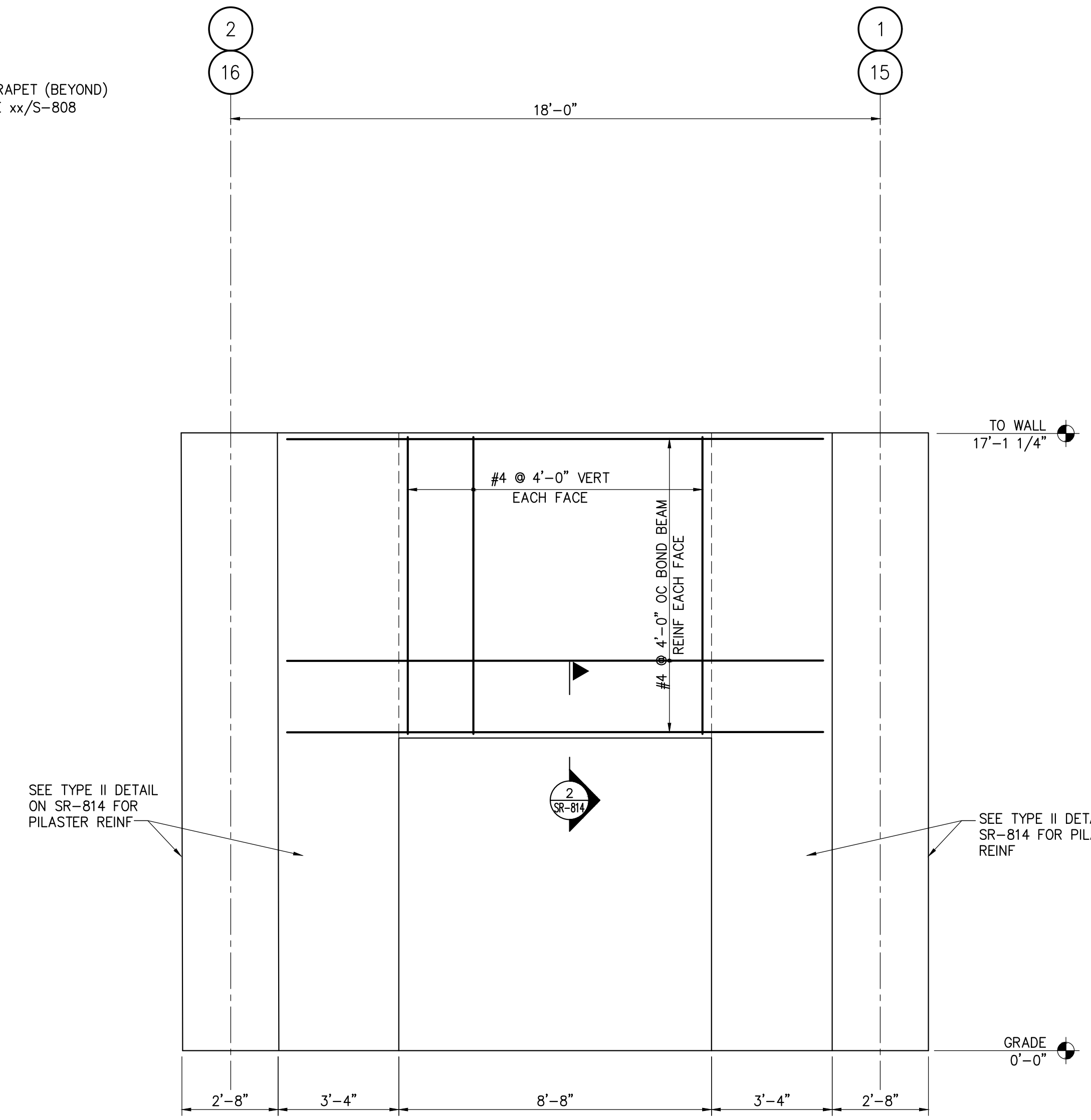
No.	Description	Date

PROJECT: 5201-192070
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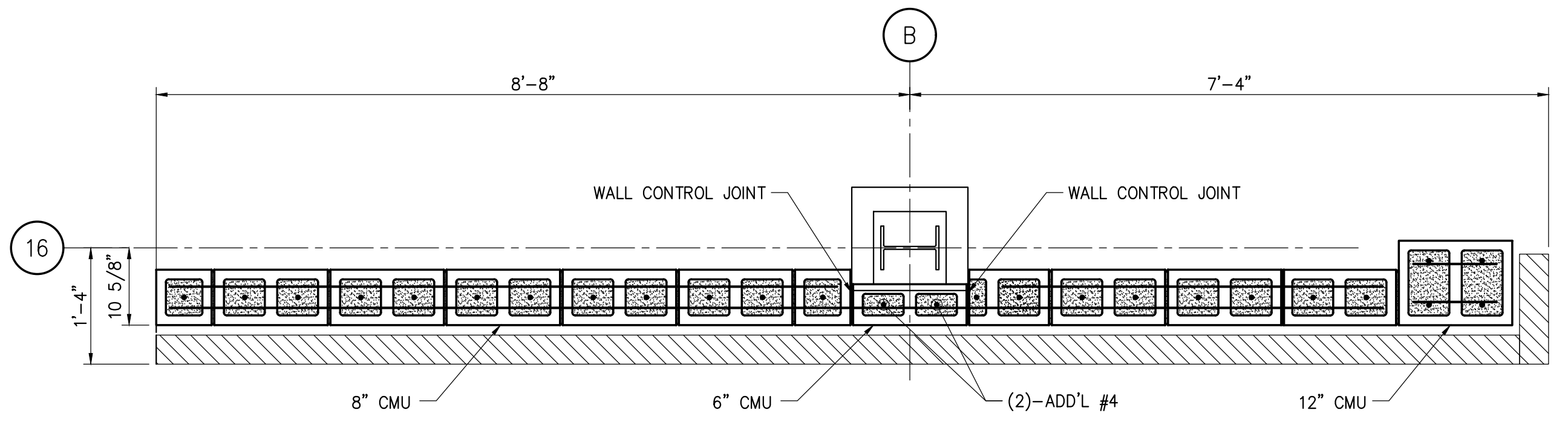
V:\PROJECTS\ANY\K5\057159.000\CADD\ACAD\SR-805-057159.DWG
 10/8/2020 3:02:09 PM



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



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



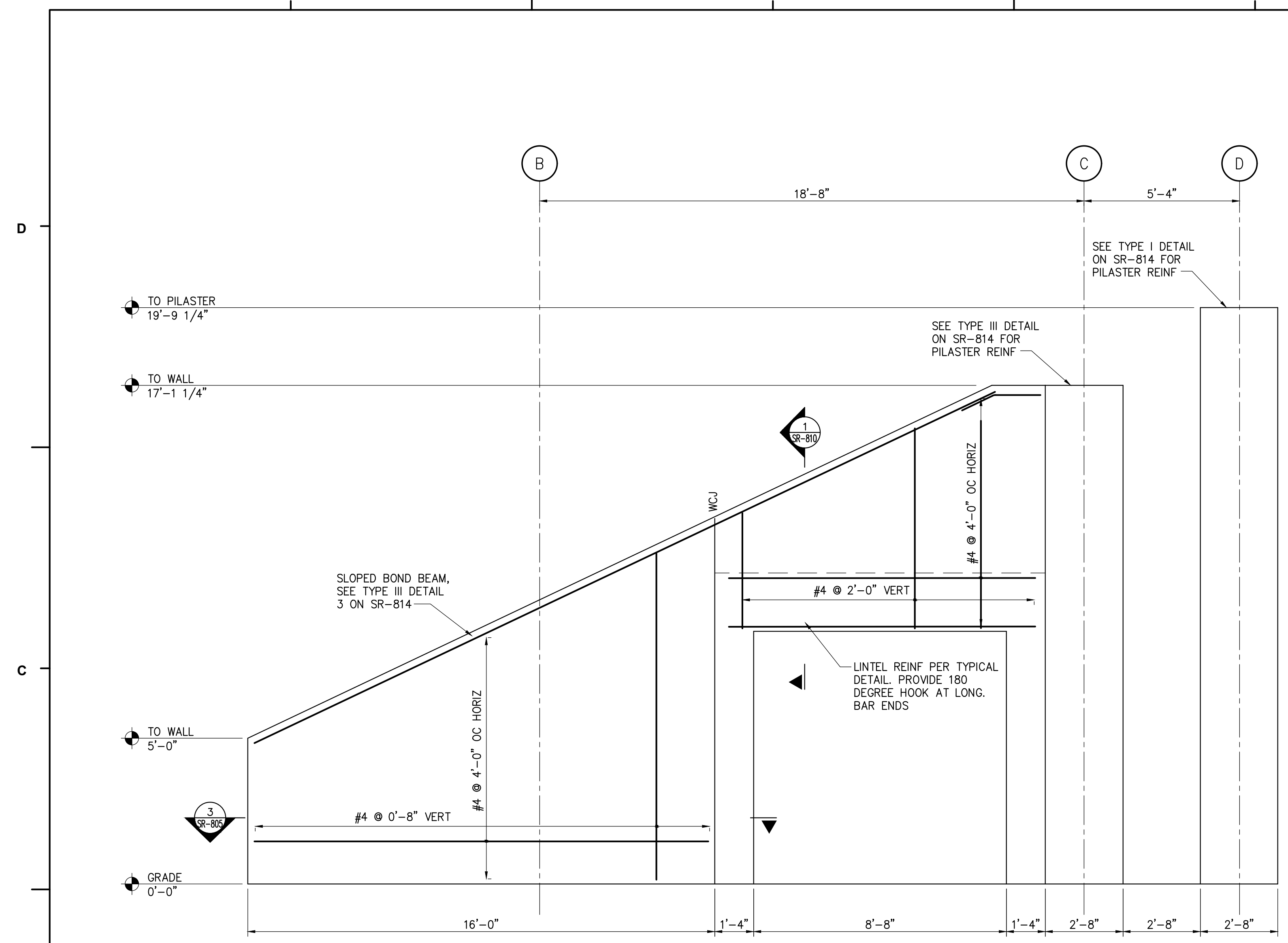
3 SECTION
 SCALE: 3/4" = 1'-0"

REVISIONS:

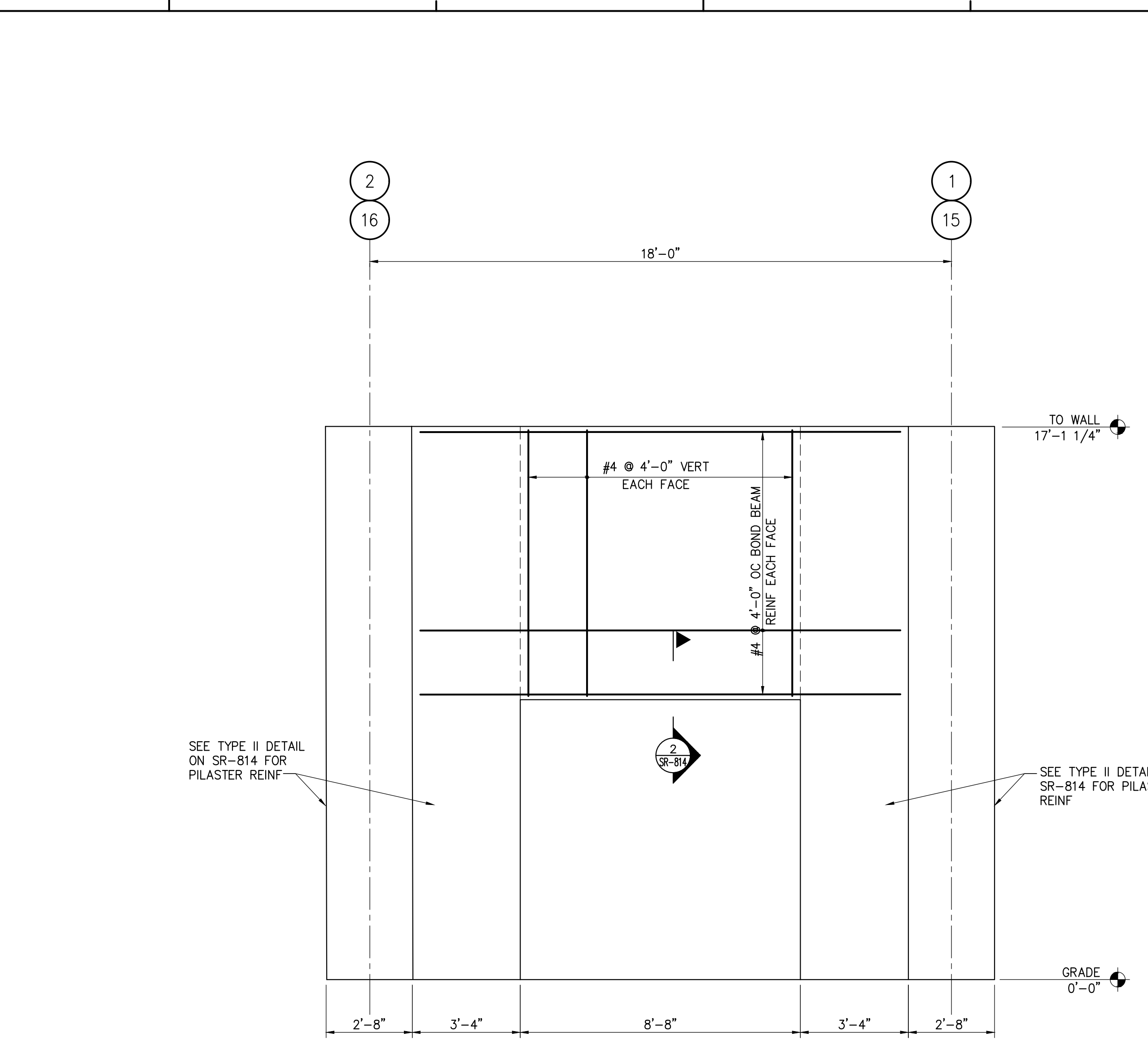
No.	Description	Date

PROJECT: 5201-192070
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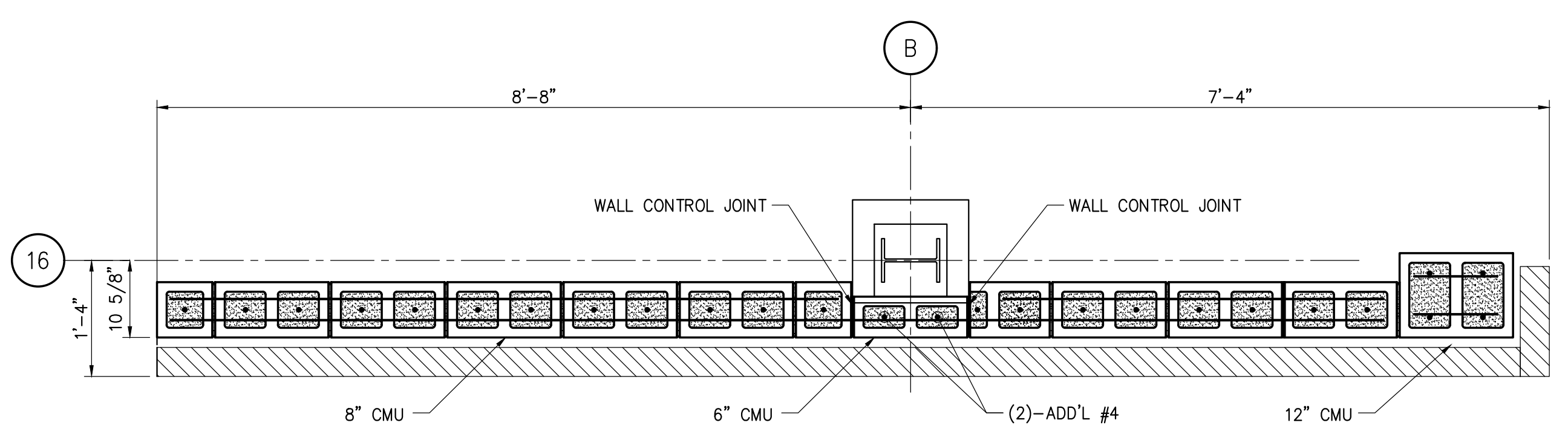
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1 ELEVATION
 SR-806 SCALE: 3/8" = 1'-0"



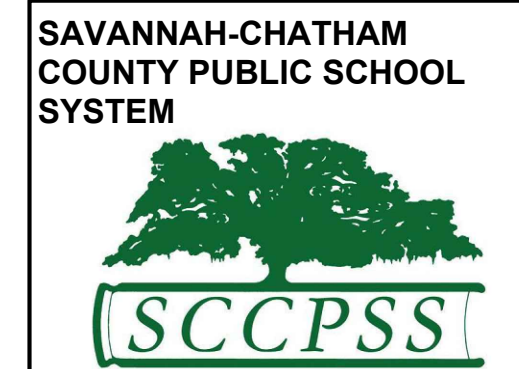
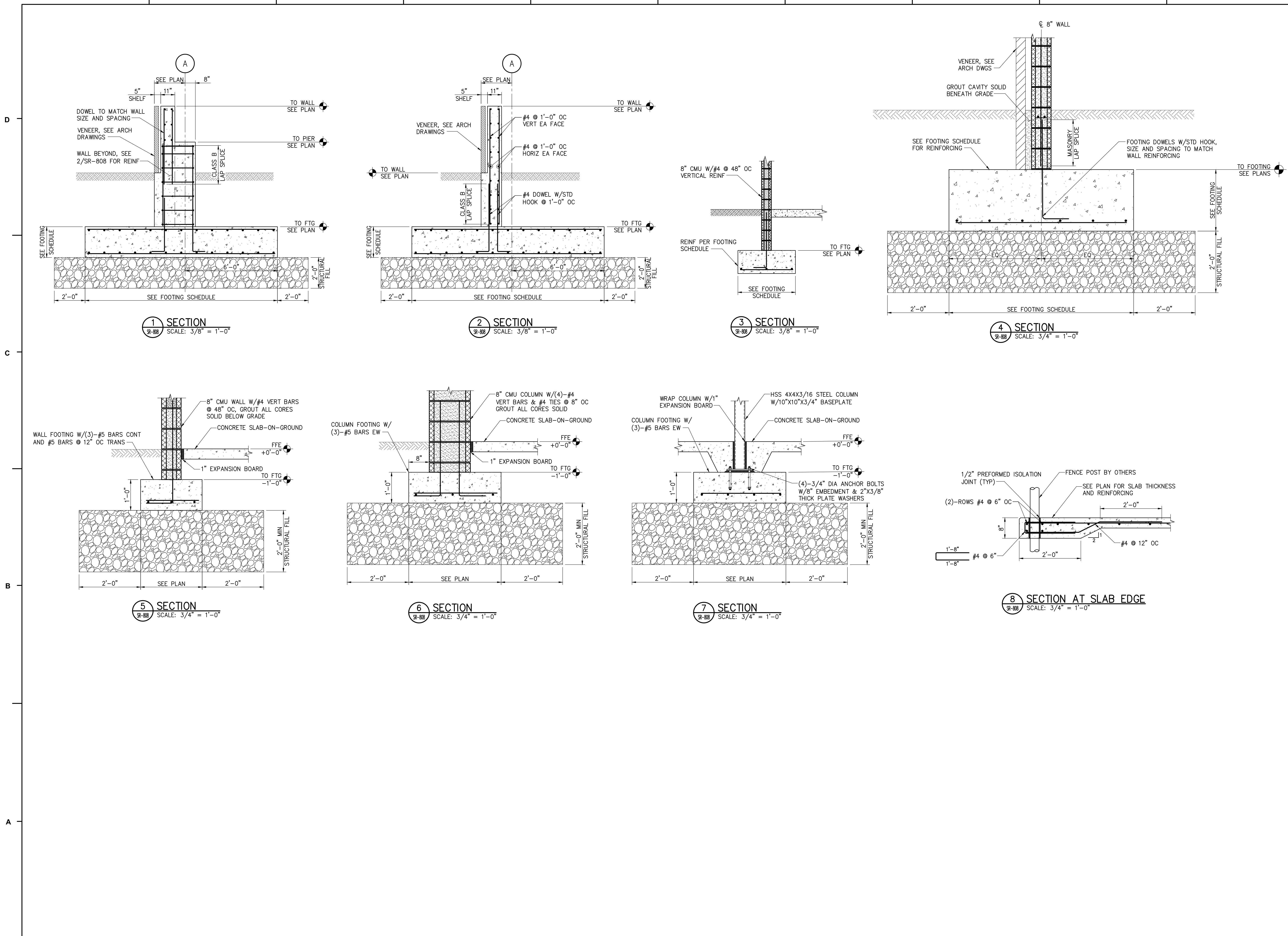
2 ELEVATION
 SR-806 SCALE: 3/8" = 1'-0"



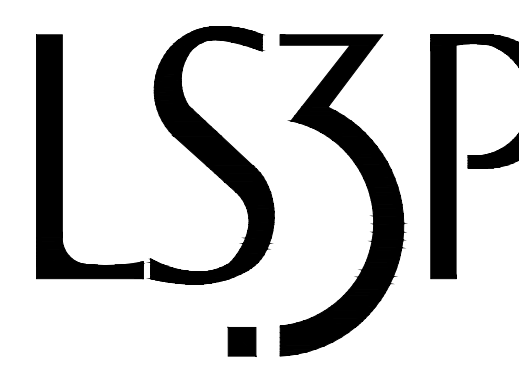
3 SECTION
 SR-806 SCALE: 3/4" = 1'-0"

1 2 3 4 5

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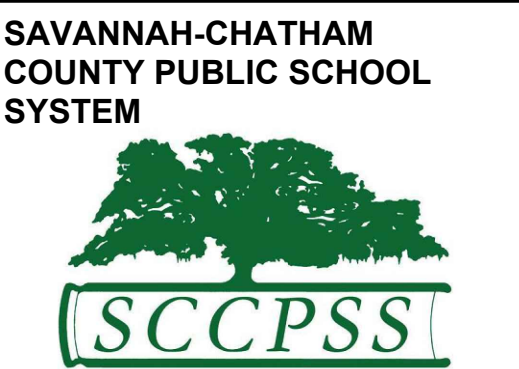
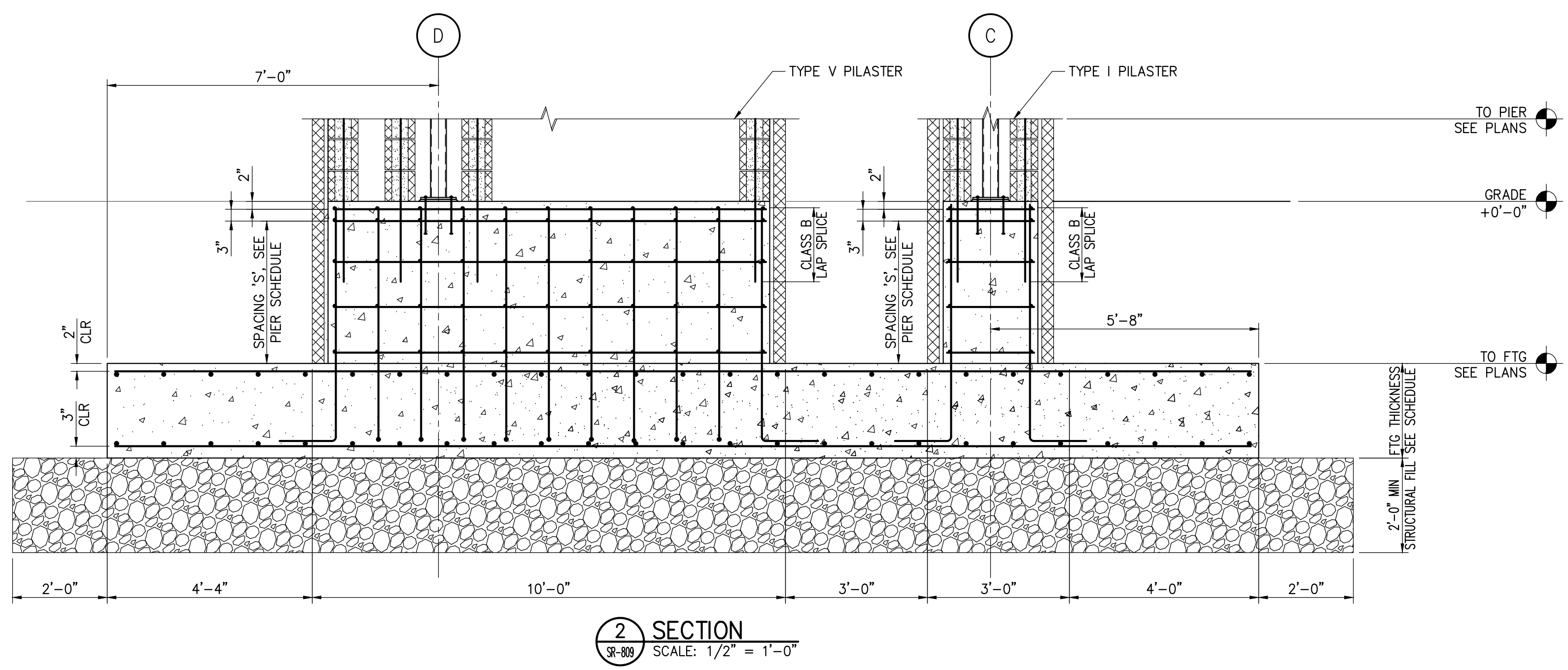
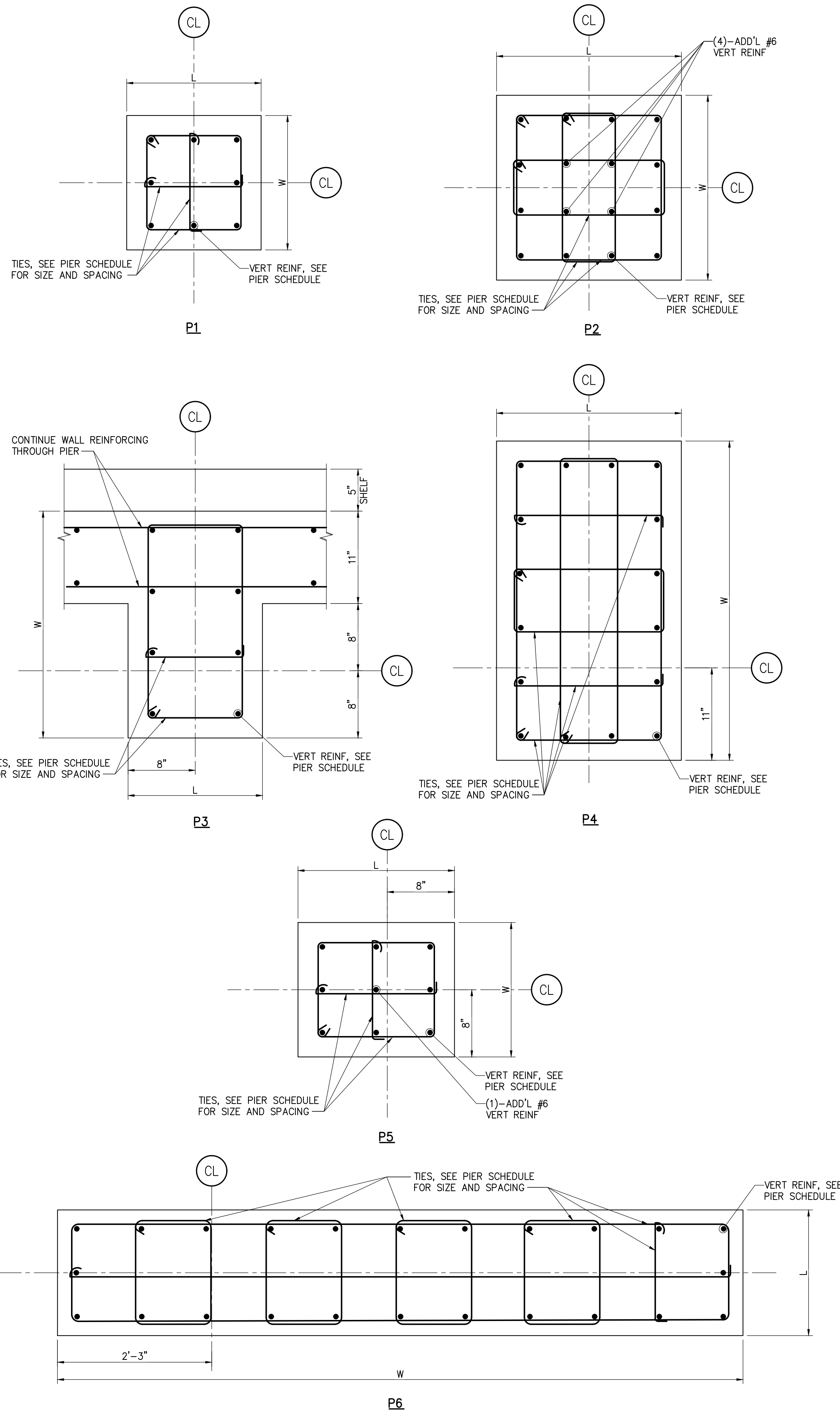
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No.	Description	Date

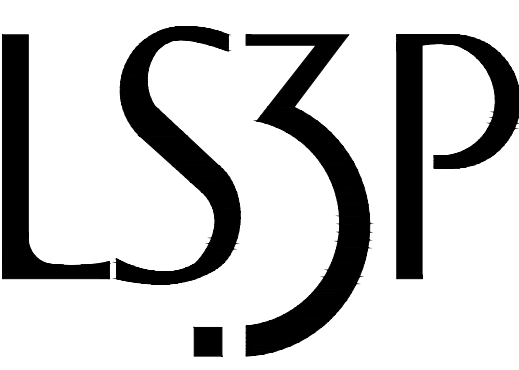
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FOUNDATION SECTIONS AND DETAILS
SR-808

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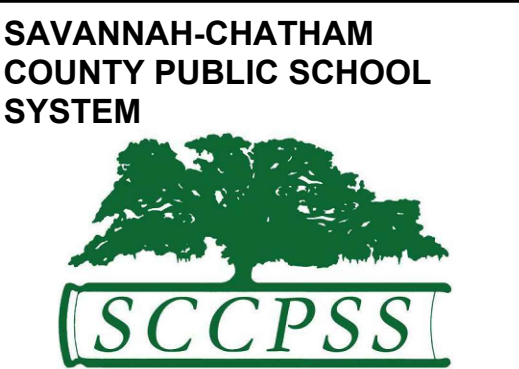
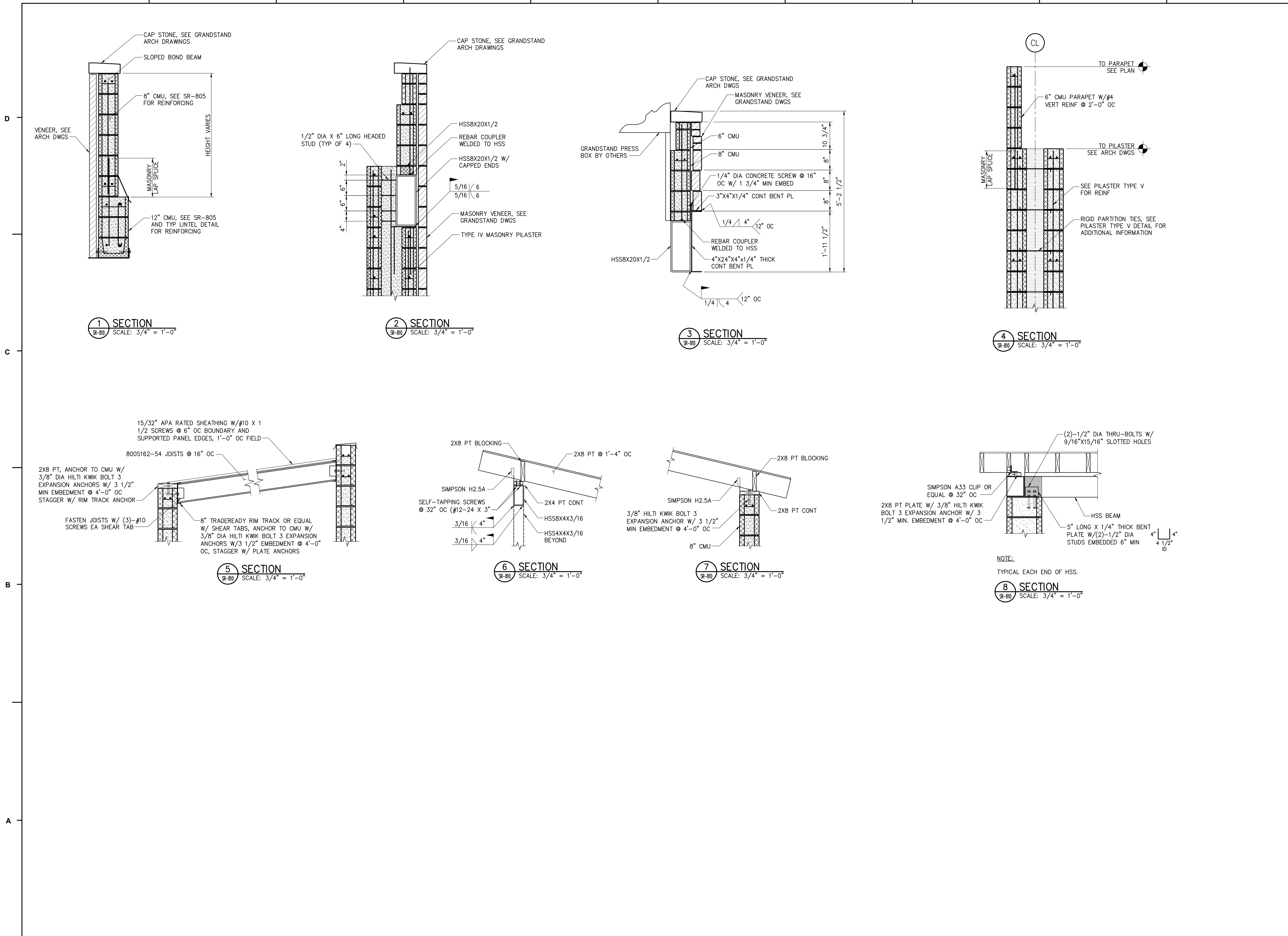
No.	Description	Date

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FOUNDATION SECTIONS AND DETAILS
SR-809

BID SET

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FRAMING SECTIONS AND DETAILS
SR-810

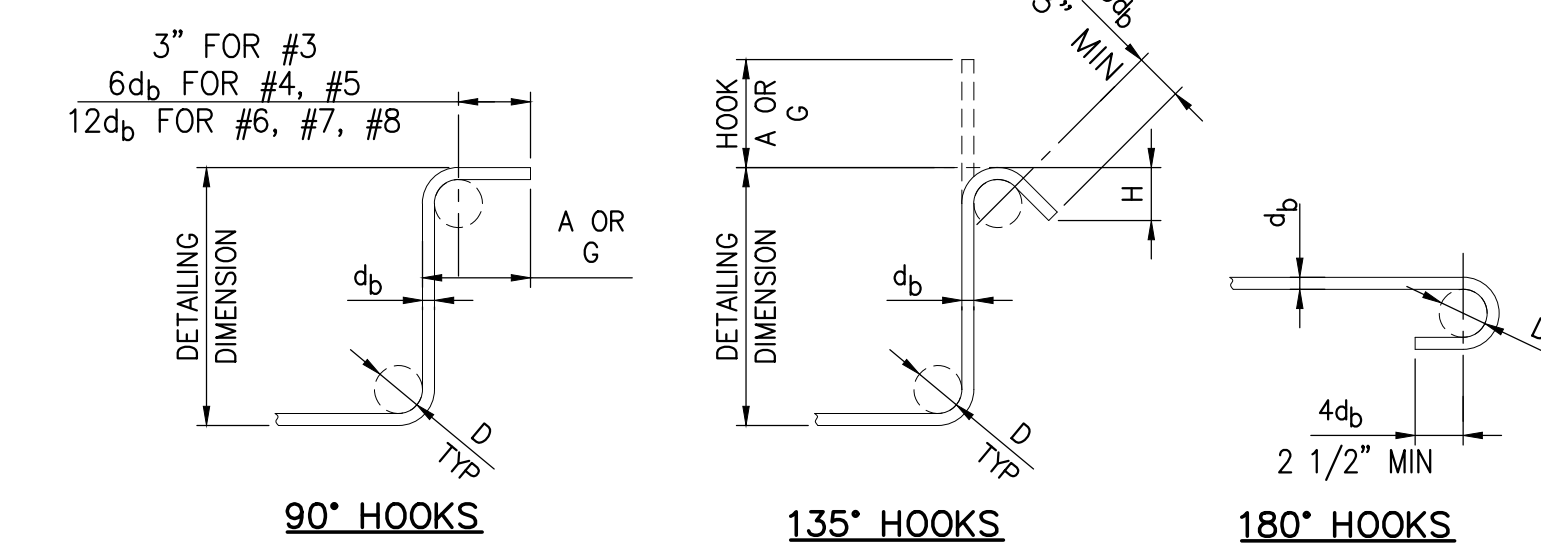
STANDARD HOOK FOR STIRRUP, TIE, AND HOOP REINFORCEMENT				
BAR SIZE, d	INSIDE BEND DIAMETER, D _b	90° HOOKS		135° HOOKS
		A OR G	A OR G	H (APPROX)
#3	1 1/2"	4"	4 1/4"	3"
#4	2"	4 1/2"	4 1/2"	3"
#5	2 1/2"	6"	5 1/2"	3 3/4"
#6	4 1/2"	12"	8"	4 1/2"
#7	5 1/4"	14"	9"	5 1/4"
#8	6"	16"	10 1/2"	6"

STANDARD HOOK FOR PRIMARY REINFORCEMENT				
BAR SIZE, d	INSIDE BEND DIAMETER, D _b	180° HOOKS		90° HOOKS
		A OR G	J	A OR G
#3	2 1/4"	5"	3"	6"
#4	3"	6"	4"	8"
#5	3 3/4"	7"	5"	10"
#6	4 1/2"	8"	6"	12"
#7	5 1/4"	10"	7"	14"
#8	6"	11"	8"	16"
#9	9 1/2"	15"	11 3/4"	19"
#10	10 3/4"	17"	13 1/4"	22"
#11	12"	19"	14 3/4"	24"
#14	18 1/4"	27"	21 3/4"	31"
#18	24"	36"	28 1/2"	41"

REINFORCING LAP LENGTH (f'c=3,000 PSI)									
BAR SIZE, d _b	LAP CLASS	CONCRETE COVER							
		3/4"		1 1/2"		2"		3"	
		TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER
#3	A	16"	12"	16"	12"	16"	12"	16"	12"
	B	21"	16"	21"	16"	21"	16"	21"	16"
#4	A	23"	17"	19"	14"	19"	14"	19"	14"
	B	29"	23"	24"	19"	24"	19"	24"	19"
#5	A	33"	25"	23"	17"	23"	17"	23"	17"
	B	43"	33"	29"	23"	29"	23"	29"	23"
#6	A	43"	33"	26"	20"	26"	20"	26"	20"
	B	56"	43"	34"	26"	34"	26"	34"	26"
#7	A	69"	53"	43"	33"	38"	39"	38"	29"
	B	90"	69"	56"	43"	50"	38"	50"	38"
#8	A	86"	66"	55"	42"	43"	33"	43"	33"
	B	112"	86"	71"	55"	56"	43"	56"	43"
#9	A	104"	80"	67"	51"	54"	41"	50"	38"
	B	136"	104"	87"	67"	70"	54"	65"	50"
#10	A	126"	96"	82"	63"	67"	51"	58"	42"
	B	163"	125"	107"	82"	87"	67"	71"	55"
#11	A	147"	113"	98"	75"	80"	61"	62"	47"
	B	191"	147"	127"	98"	104"	80"	80"	62"

NOTES:

- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
- WHEN LAP SPLICING BARS OF DIFFERENT SIZES, THE LAP LENGTH IS DETERMINED BY THE SMALLER BAR, BUT MAY NOT BE LESS THAN THE CLASS A SPLICE LENGTH OF THE LARGER BAR.

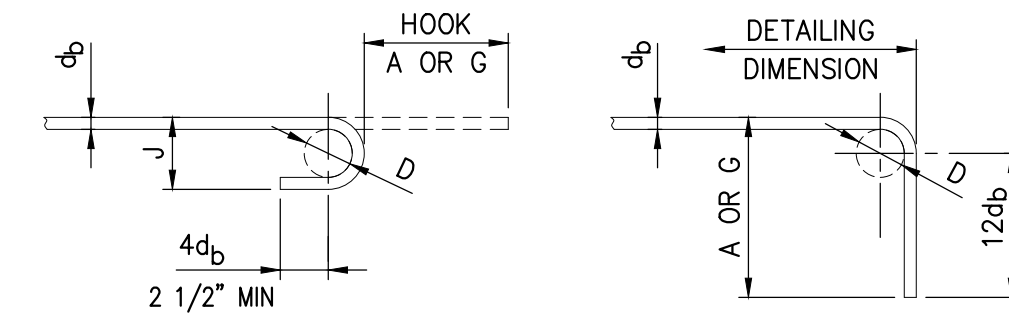


1 TYPICAL STANDARD HOOK FOR STIRRUP, TIE, AND HOOK REINF DETAIL NOT TO SCALE

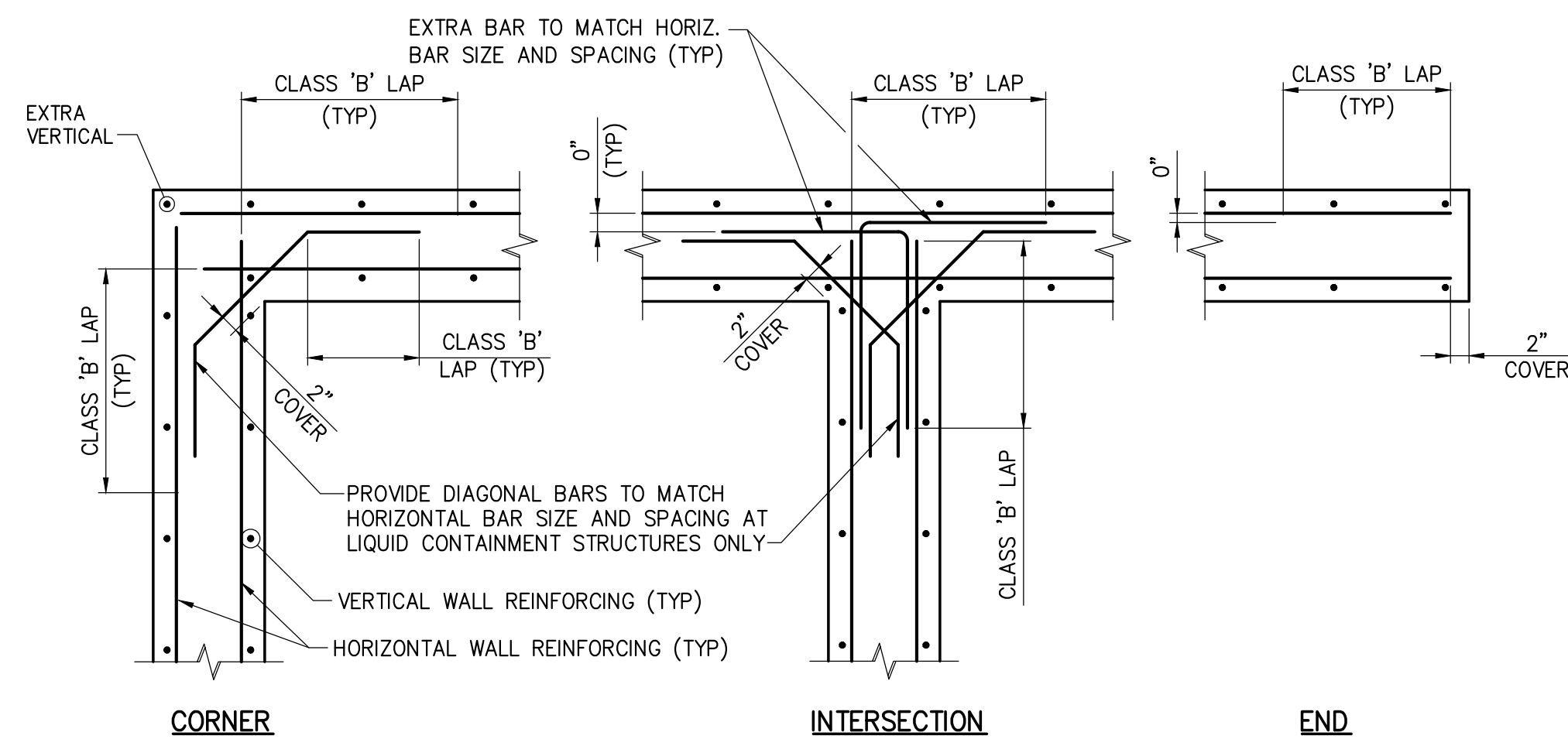
1 CORNER TIE HOOK

1 CROSSTIE

1 TYPICAL STANDARD HOOK FOR STIRRUP, TIE, AND HOOK REINF DETAIL NOT TO SCALE



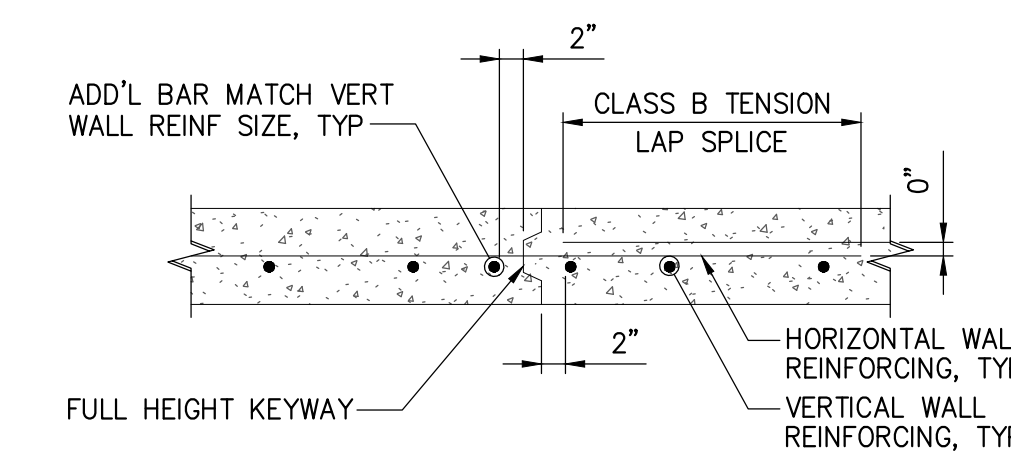
2 TYPICAL STANDARD END HOOK FOR PRIMARY REINF DETAIL NOT TO SCALE



4 TYPICAL HORIZONTAL WALL REINFORCING NOT TO SCALE

NOTES:

- POSITION OF HORIZONTAL BARS SHOWN IS SCHEMATIC. BARS ARE IN ONE PLANE, UNLESS NOTED OTHERWISE IN PLAN OR SECTION.
- REINFORCING STEEL SHALL BE LAPPED PER REINFORCING LAP LENGTH SCHEDULE U.N.O.

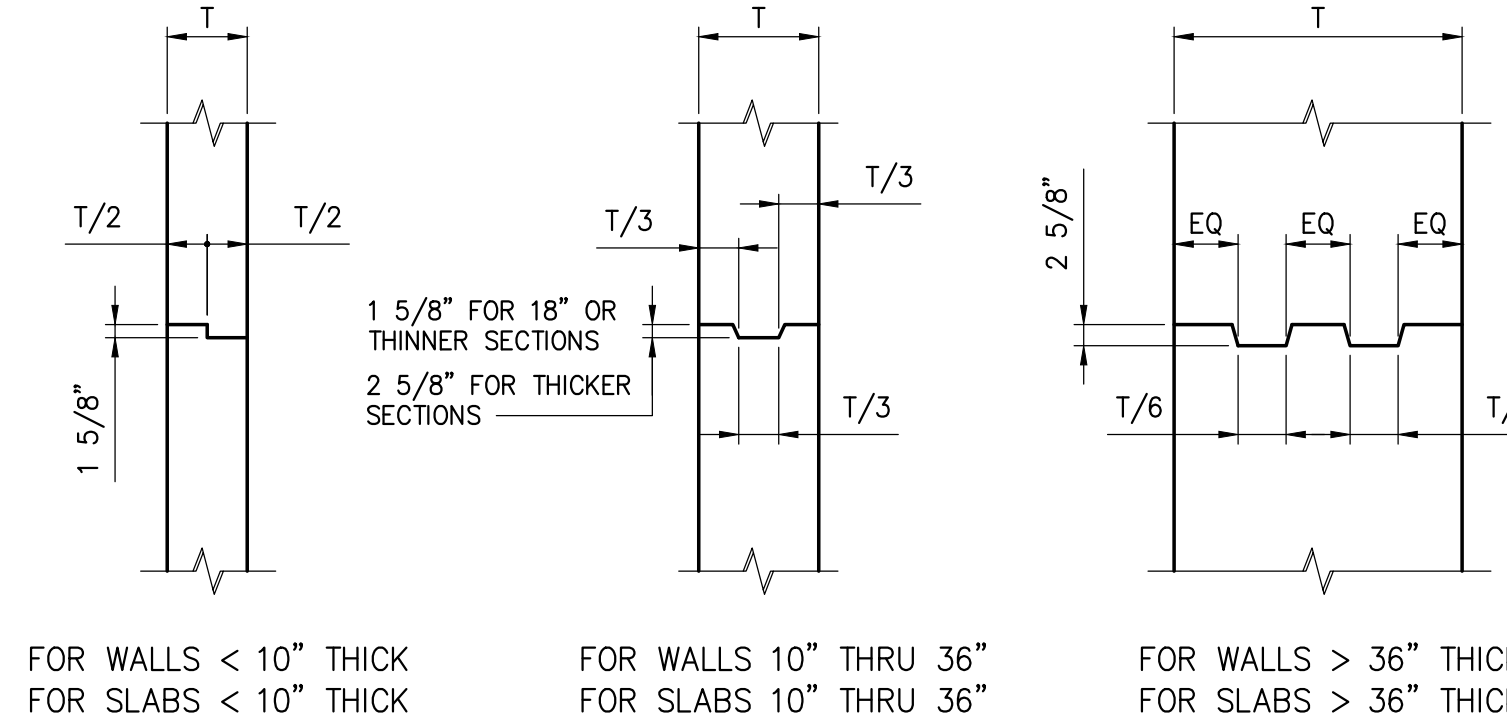


5 TYPICAL FOUNDATION WALL CONSTRUCTION JOINT DETAIL NOT TO SCALE

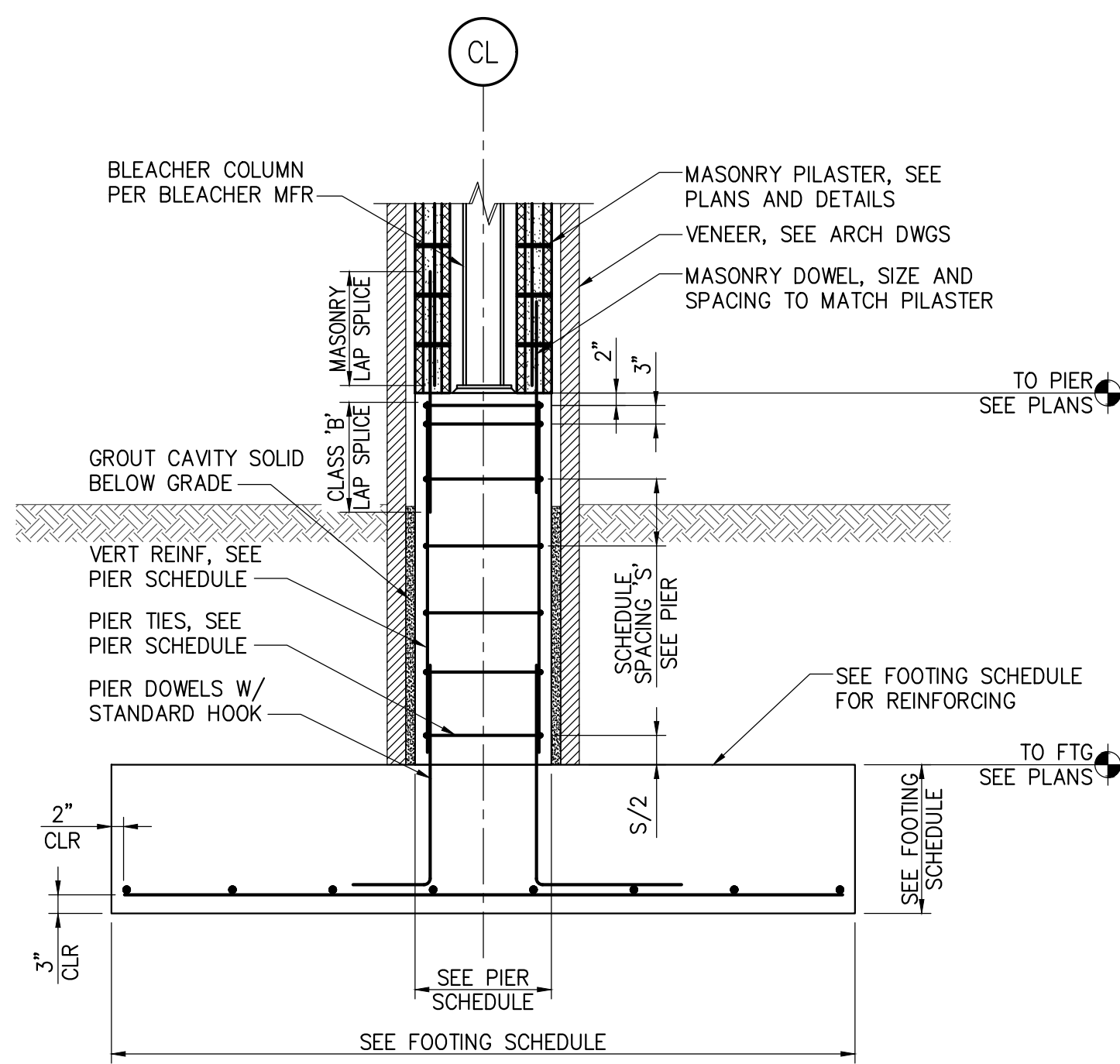
NOTES:

- LOCATE WALL CONSTRUCTION JOINTS AT 30'-0" OC MAXIMUM, UNLESS NOTED OTHERWISE ON PLANS.
- LOCATE JOINTS FURTHER THAN 5'-0" FROM PIERS, CORNERS, INTERSECTIONS AND ENDS.
- COORDINATE JOINT LOCATIONS WITH MASONRY/VENEER CONTROL/EXPANSION JOINTS.

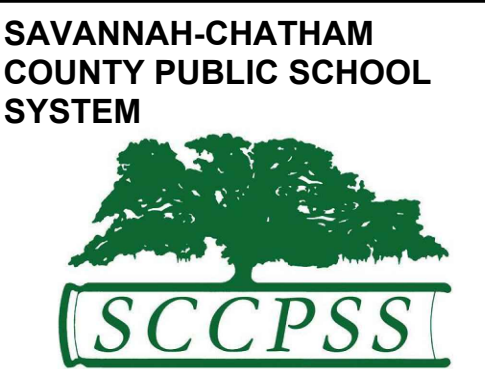
3 TENSION LAP SPLICE LENGTH SCHEDULE (NORMAL WEIGHT 3,000 PSI) NOT TO SCALE



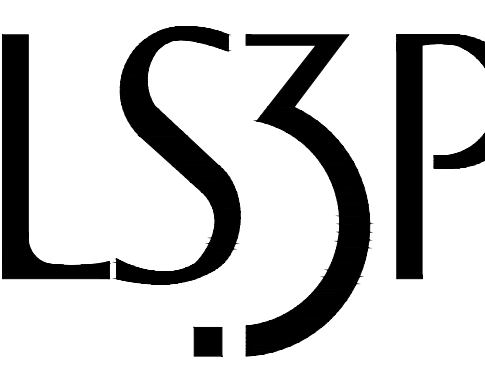
6 TYPICAL CONCRETE KEY DETAIL NOT TO SCALE



7 TYPICAL BLEACHER COLUMN FOUNDATION DETAIL SCALE: N.T.S.



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TYPICAL CONCRETE DETAILS
SR-811

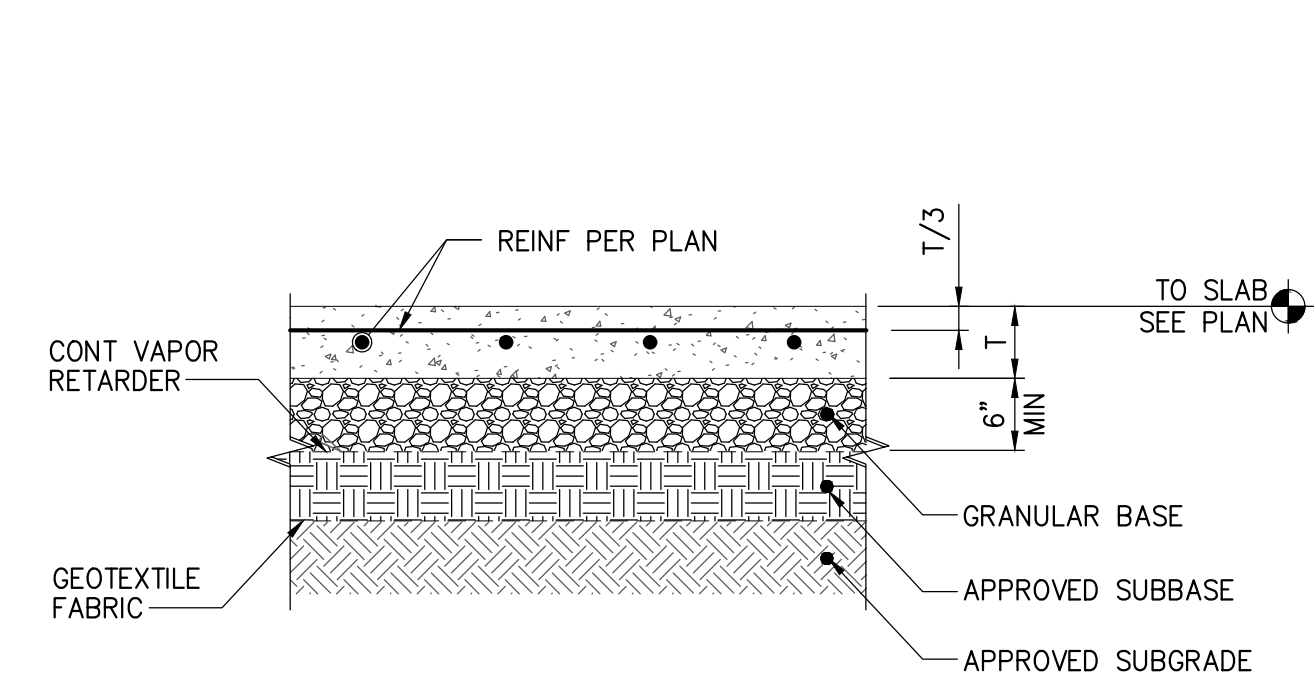
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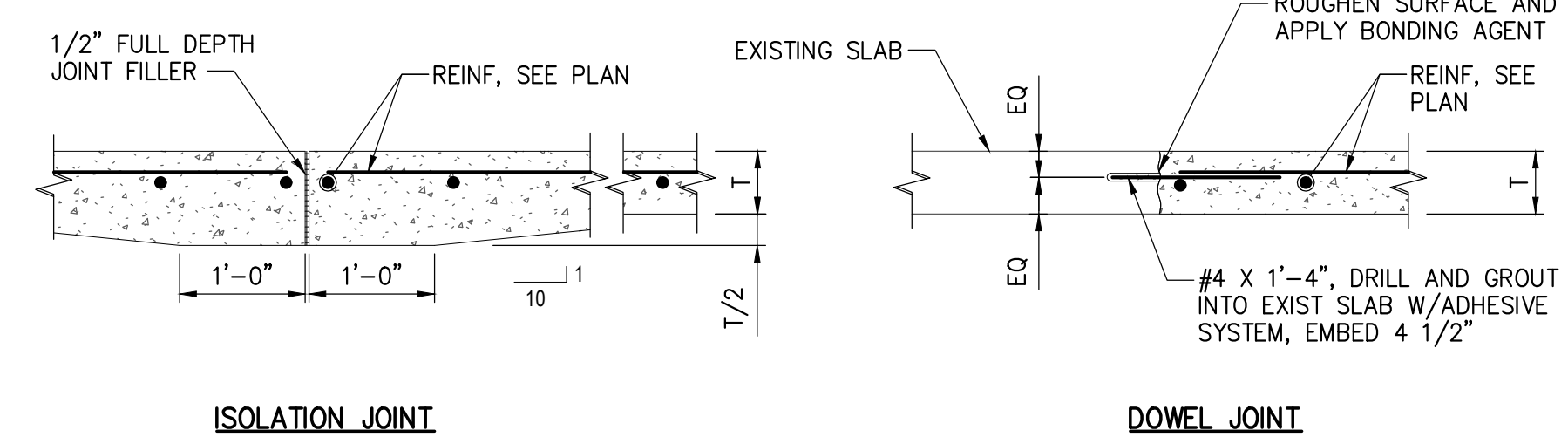
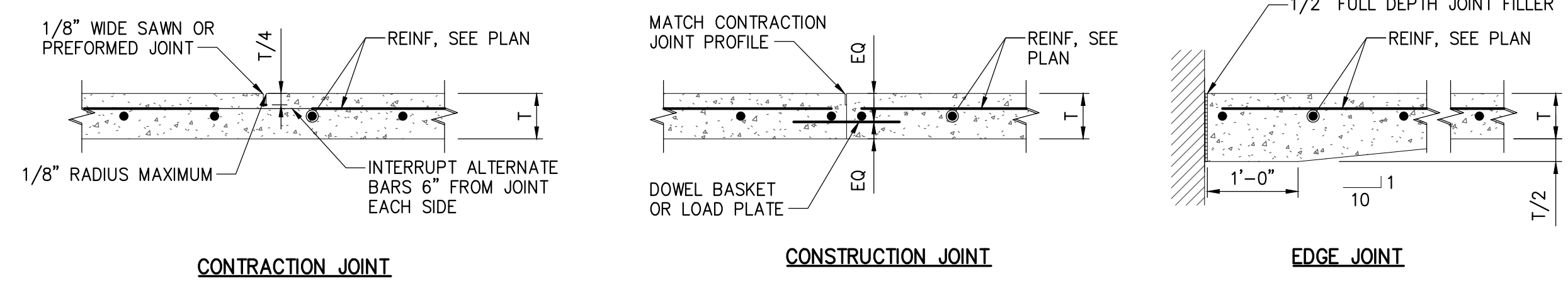
No.	Description	Date

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TYPICAL CONCRETE DETAILS
SR-812



1 TYPICAL SLAB-ON-GROUND DETAIL
 NOT TO SCALE



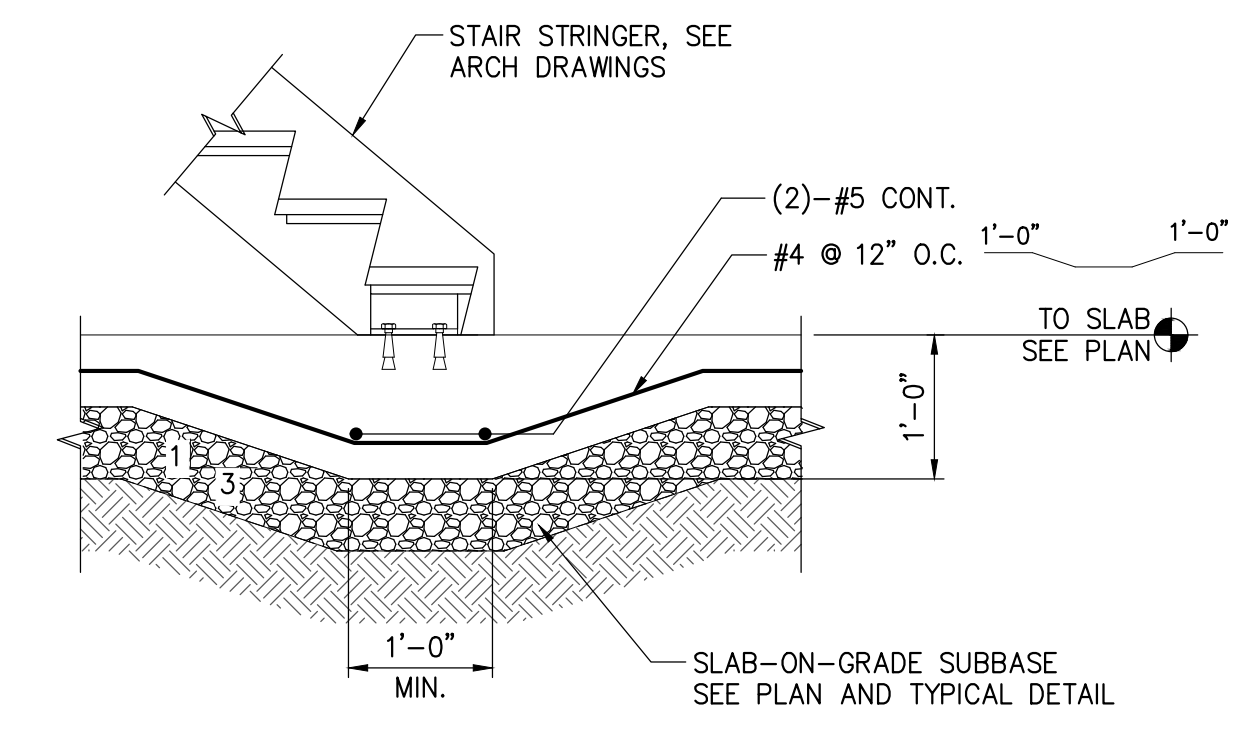
2 TYPICAL SLAB-ON-GROUND JOINT DETAILS
 NOT TO SCALE

PLAIN BAR DOWEL

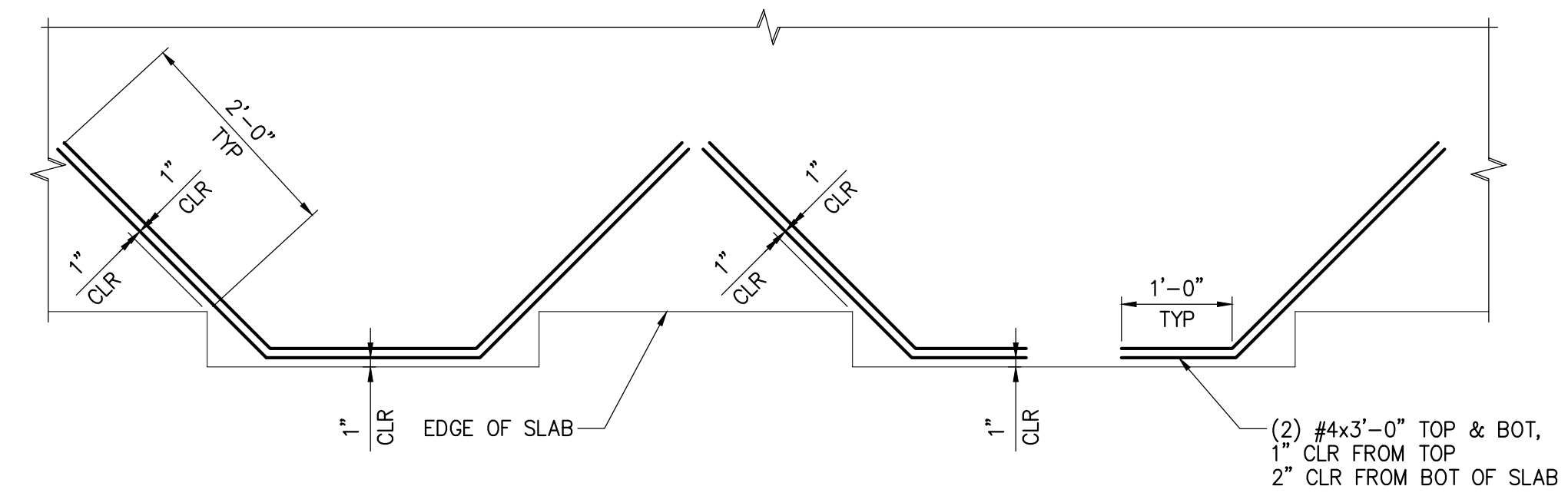
SLAB DEPTH	DOWEL SIZE
5"-6"	3/4" DIAx10" @ 12" OC
6 1/2"-8"	1" DIAx14" @ 12" OC
8 1/2"-11"	1 1/4" DIAx16" @ 12" OC

PLATE DOWEL

SLAB DEPTH	PLATE SIZE
5"-6"	1/4"x4 1/2"x4 1/2" @ 18" OC
6 1/2"-8"	3/8"x4 1/2"x4 1/2" @ 18" OC
8 1/2"-11"	3/4"x4 1/2"x4 1/2" @ 20" OC

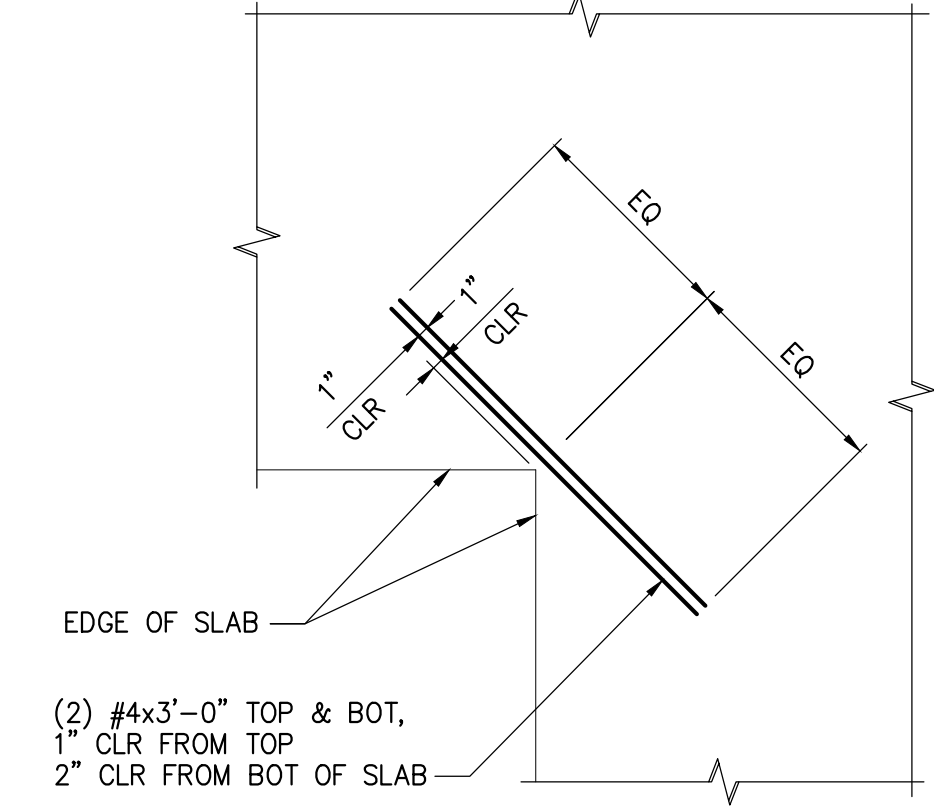


3 TYPICAL STAIR STRINGER FOUNDATION DETAIL
 NOT TO SCALE



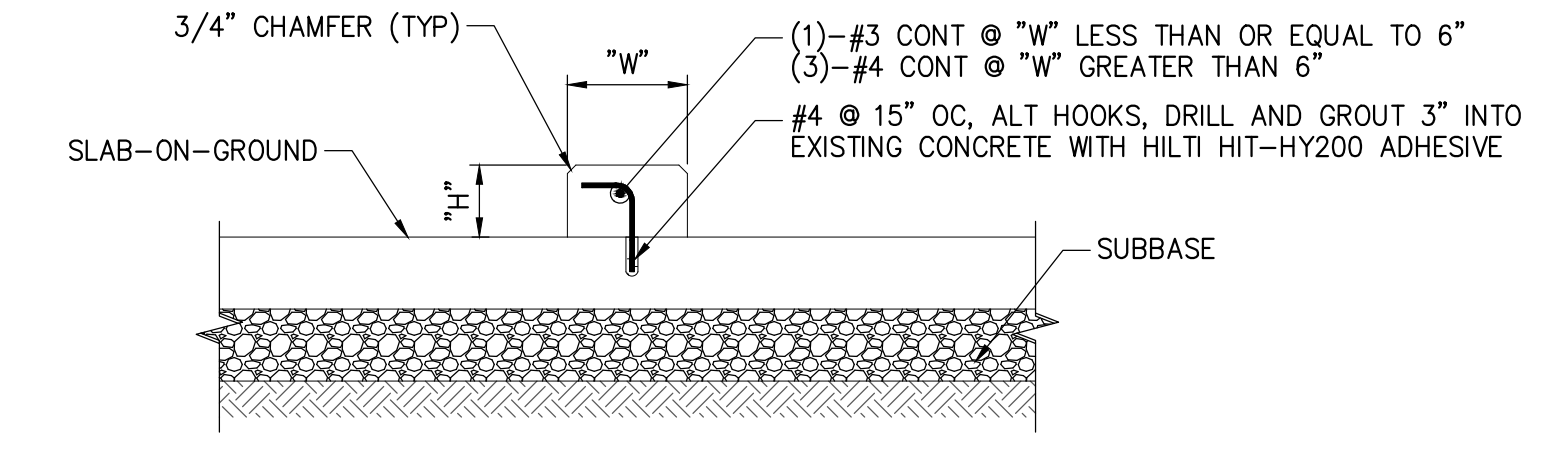
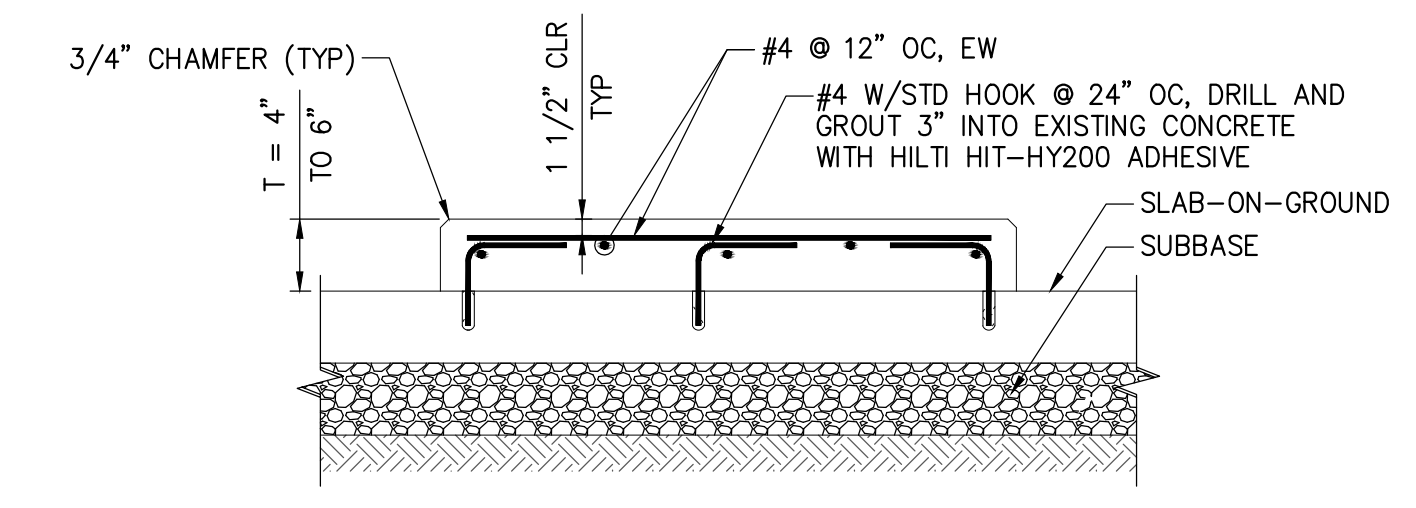
4 TYPICAL RE-ENTRANT CORNER SLAB REINFORCING DETAIL
 NOT TO SCALE

- NOTES:
1. PLACING A SAWCUT AT RE-ENTRANT CORNERS NEGATES THE NEED FOR REINFORCEMENT.
 2. PROVIDE BOTTOM REINFORCEMENT FOR SLABS GREATER THAN OR EQUAL TO 6" THICK.

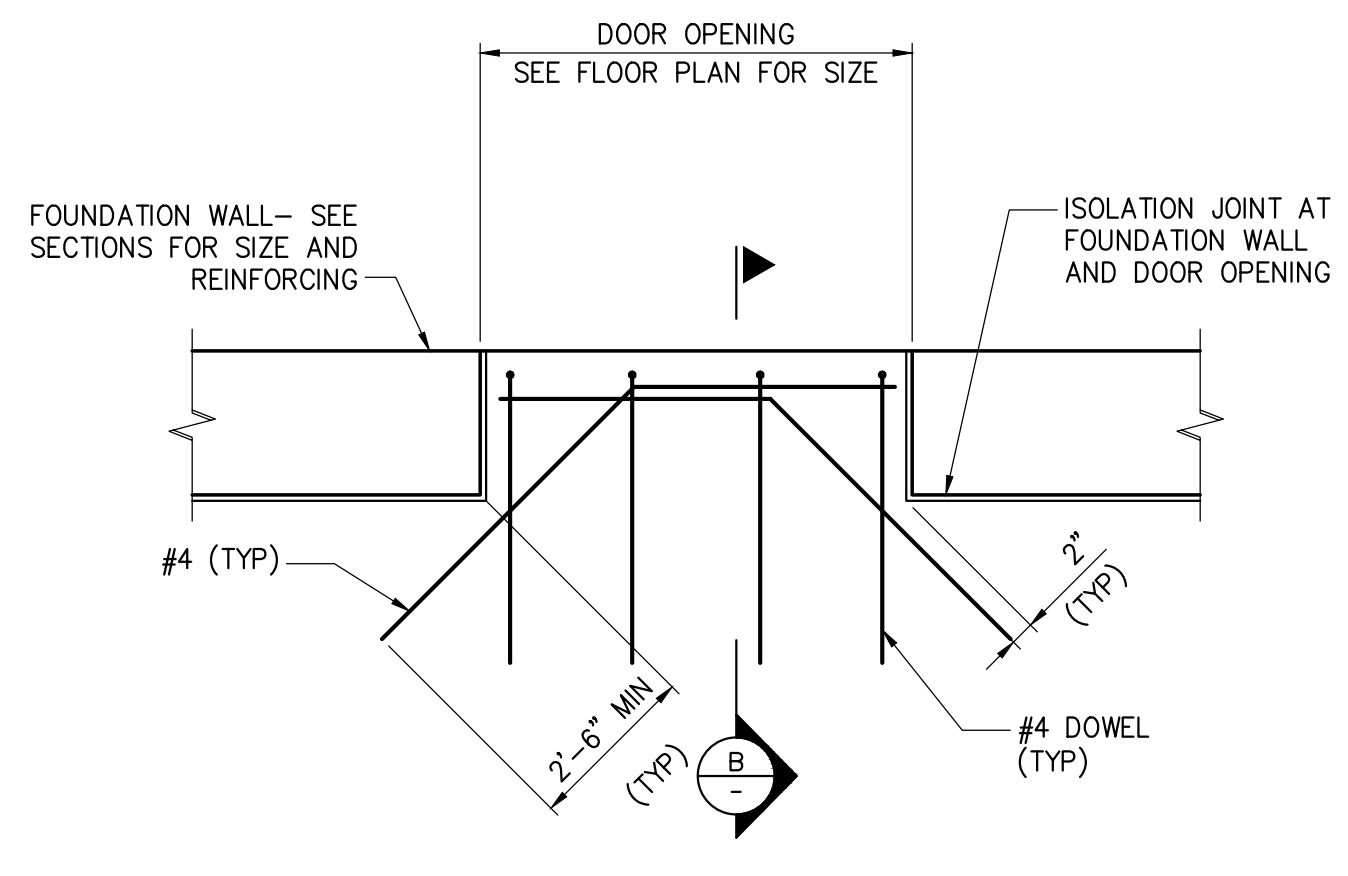
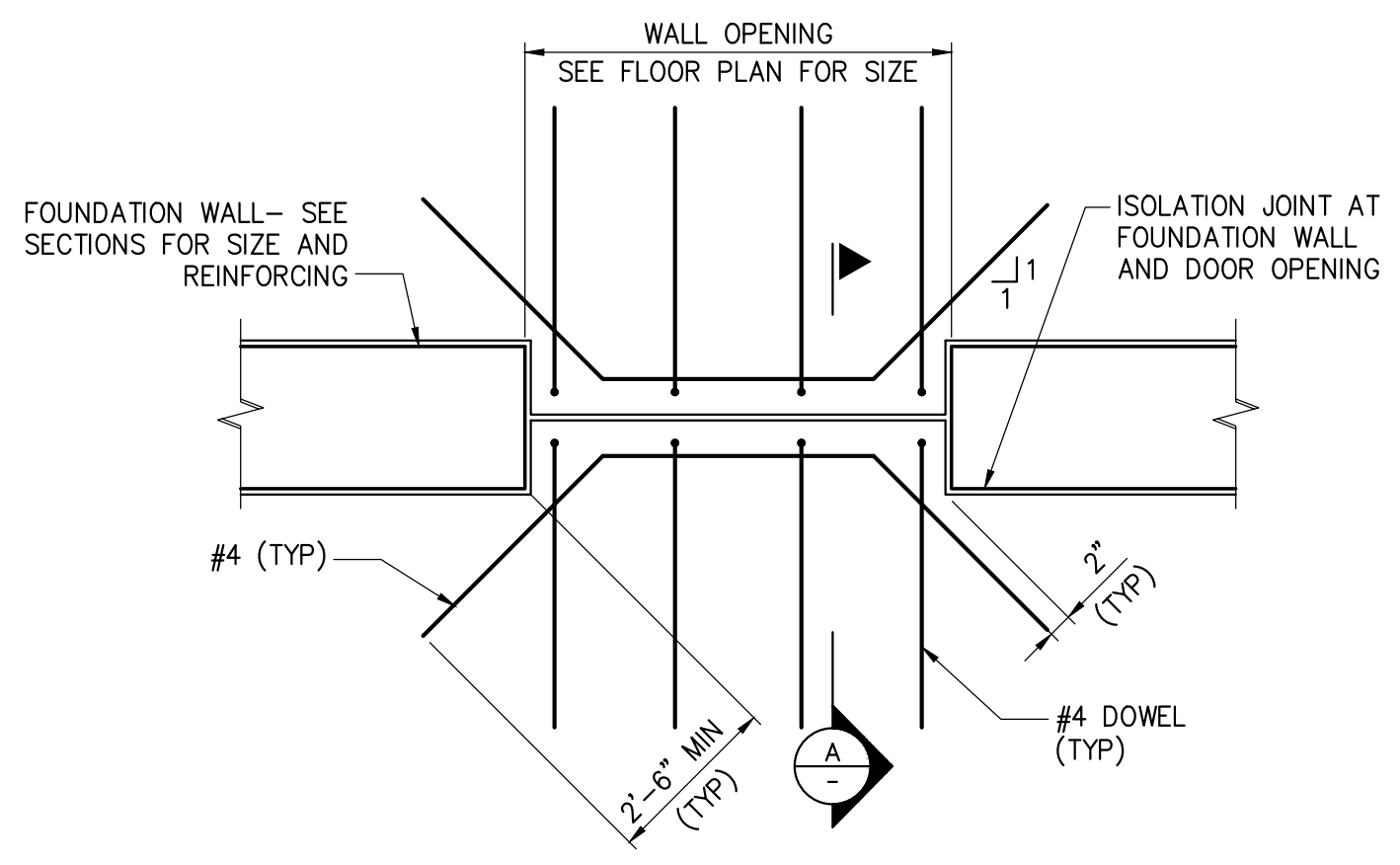


5 TYPICAL INSIDE CORNER SLAB REINFORCING DETAIL
 NOT TO SCALE

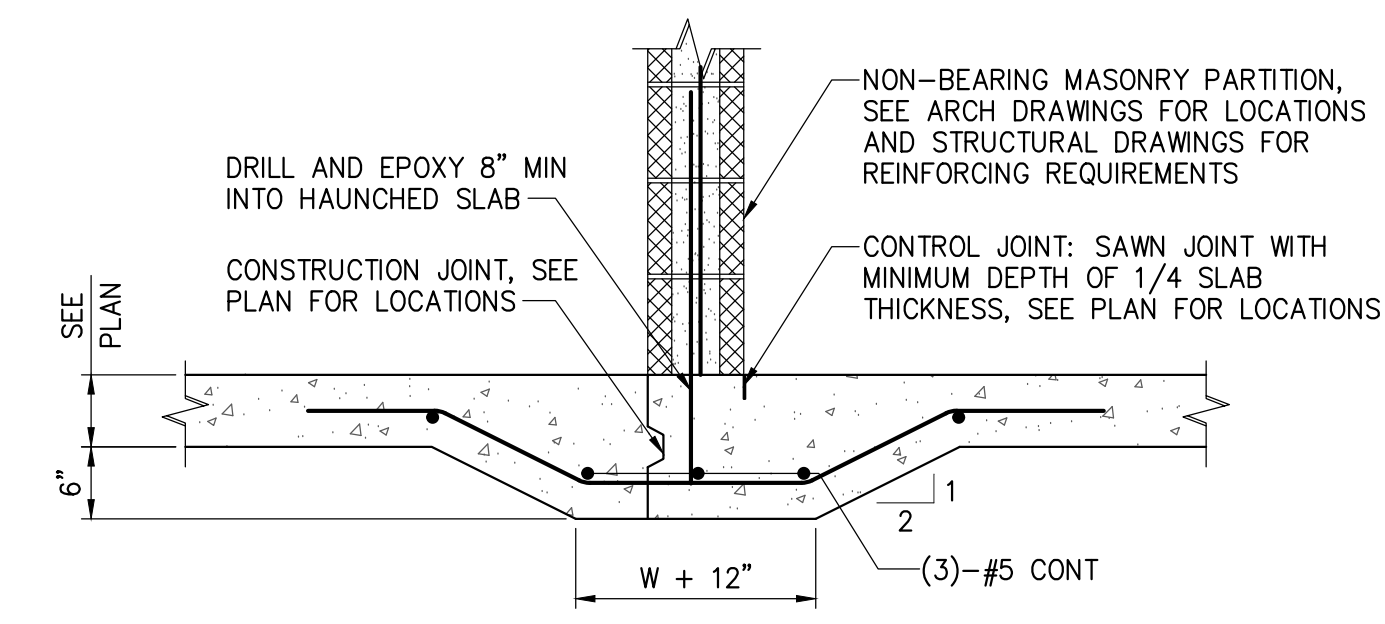
- NOTES:
1. PLACING A SAWCUT AT RE-ENTRANT CORNERS NEGATES THE NEED FOR REINFORCEMENT.
 2. PROVIDE BOTTOM REINFORCEMENT FOR SLABS GREATER THAN OR EQUAL TO 6" THICK.



6 TYPICAL CONCRETE CURB AND HOUSEKEEPING PAD
 NOT TO SCALE

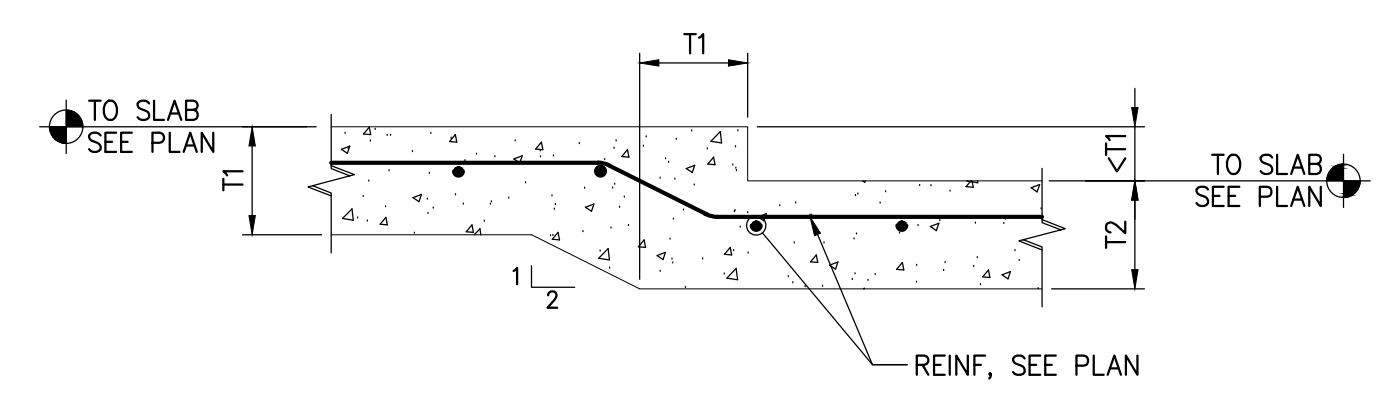


7 TYPICAL SLAB REINFORCING AT DOOR OPENING
 NOT TO SCALE



- NOTES:
1. PROVIDE EITHER CONSTRUCTION OR CONTROL JOINTS, NOT BOTH. BOTH TYPES OF JOINTS ARE SHOWN FOR INFORMATIONAL PURPOSES.
 2. COORDINATE JOINT LOCATIONS WITH PLANS AND REINFORCING SUPPLIER.
 3. SEE SPECIFICATIONS FOR UNDER SLAB MATERIAL REQUIREMENTS.

8 TYPICAL THICKENED SLAB UNDER NON-BEARING MASONRY WALL DETAIL
 SCALE: 3/4" = 1'-0"



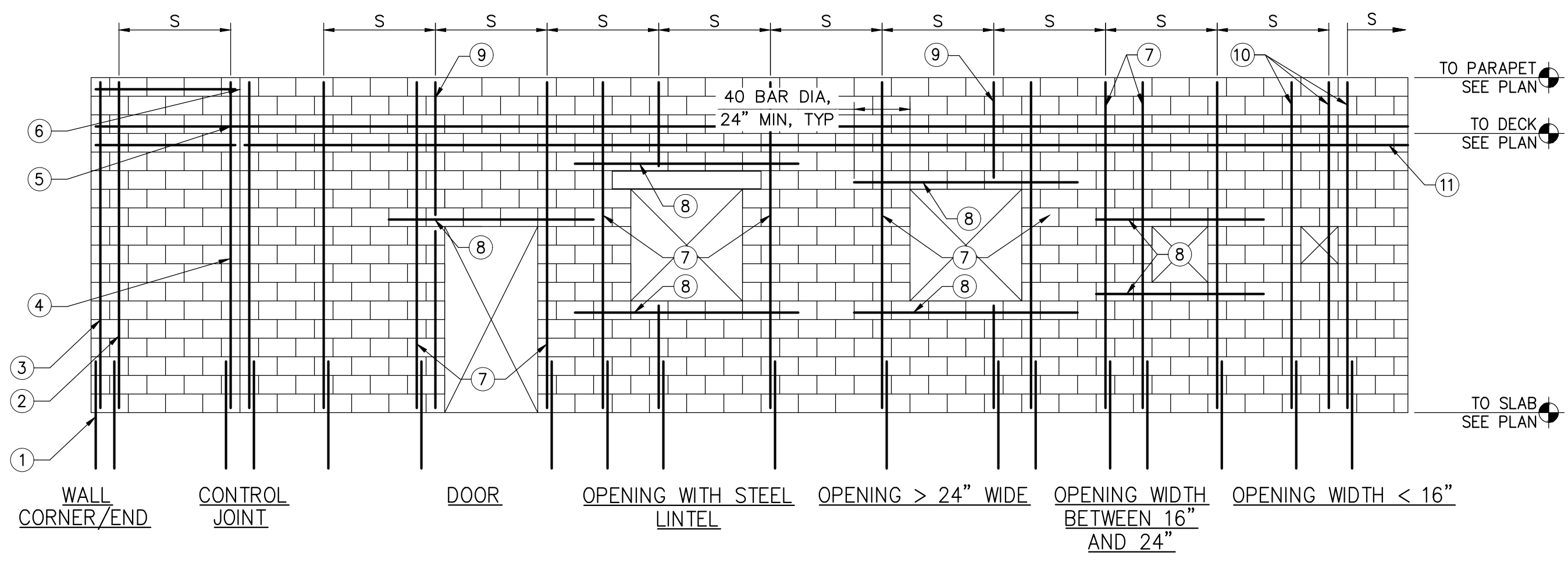
9 TYPICAL SLAB-ON-GROUND DEPRESSION DETAIL
 NOT TO SCALE

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1 TYPICAL MASONRY WALL REINFORCEMENT DETAIL
 NOT TO SCALE

NOTES

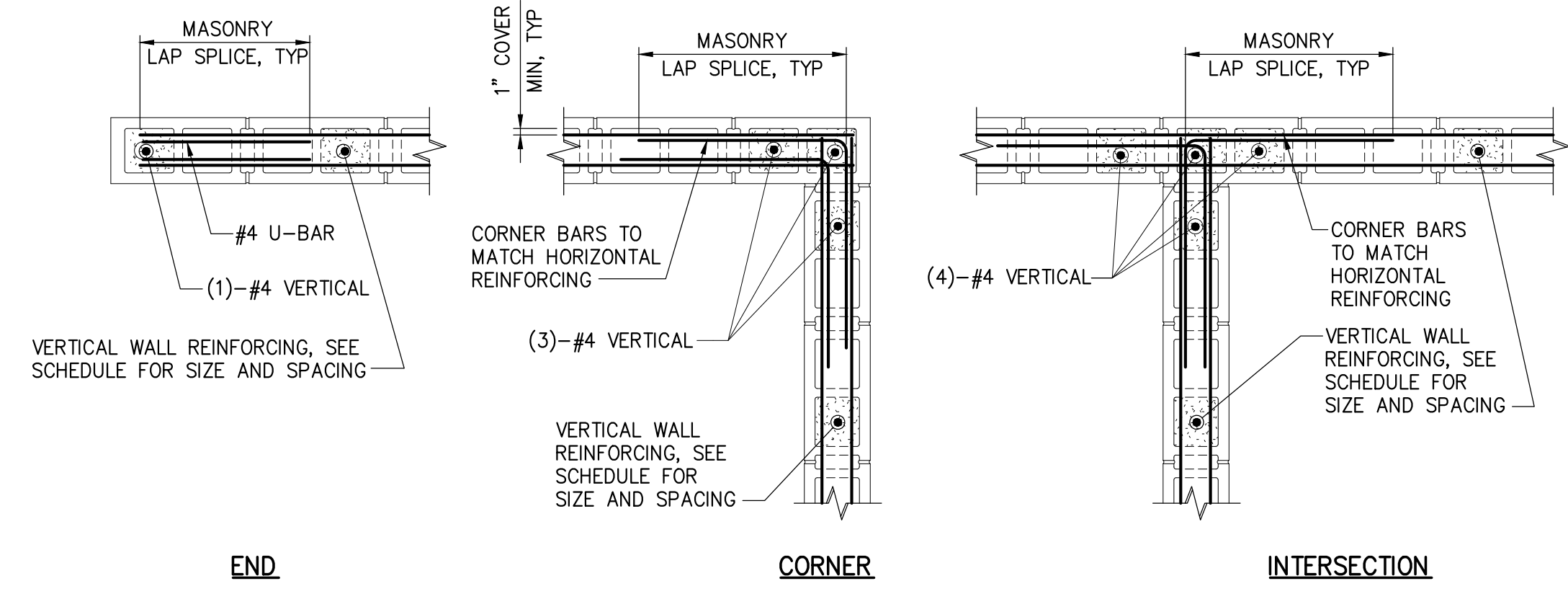
MARK	DESCRIPTION
1	DOWELS TO MATCH SIZE AND SPACING OF WALL REINFORCEMENT.
2	TYPICAL REINFORCEMENT, SEE NOTES, SECTIONS AND DETAILS FOR SIZE AND SPACING, S.
3	PROVIDE REINFORCEMENT AT WALL CORNER AND WITHIN 8" OF WALL END.
4	PROVIDE REINFORCEMENT WITHIN 8" OF EACH SIDE OF CONTROL JOINT.
5	PROVIDE CONTINUOUS REINFORCEMENT AT STRUCTURALLY CONNECTED ROOF AND FLOOR LEVELS
6	PROVIDE REINFORCEMENT WITHIN 16 INCHES OF THE TOP OF WALL, DISCONTINUE AT CONTROL JOINT
7	PROVIDE REINFORCEMENT WITHIN 16 INCHES OF EACH SIDE OF OPENING.
8	PROVIDE REINFORCEMENT AT TOP AND BOTTOM OF OPENINGS.
9	TYPICAL REINFORCEMENT INTERRUPTED BY OPENING.
10	PROVIDE REINFORCEMENT WITHIN 4 INCHES OF EACH SIDE OF OPENING IF TYPICAL REINFORCEMENT IS INTERRUPTED BY OPENING. OTHERWISE REINFORCEMENT IS NOT REQUIRED
11	PROVIDE W1.7 (9 GAGE) JOINT REINFORCEMENT (LADDER TYPE) VERTICALLY SPACED AT 16 INCHES ON CENTER OR BOND BEAM REINFORCING AT 10 FEET ON CENTER

2018 INTERNATIONAL BUILDING CODE STRUCTURAL REINFORCED MASONRY LAP SPLICES (2000 PSI)

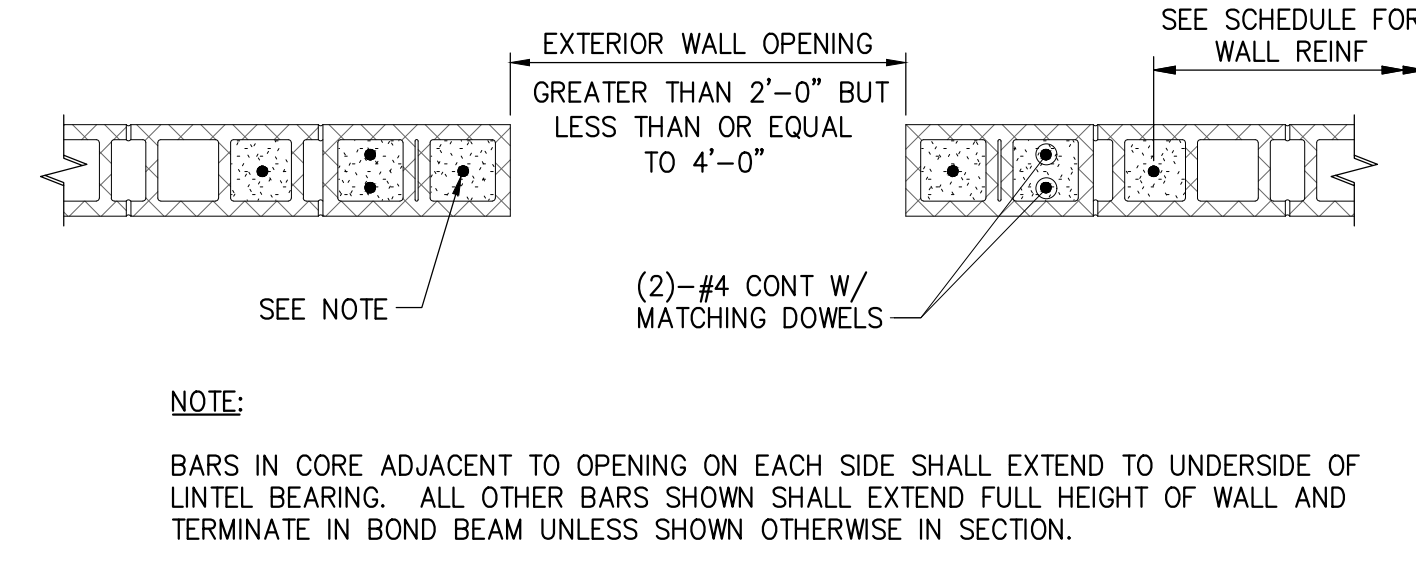
REINFORCING SIZE	REINFORCING BLOCK SIZE w/ SINGLE BAR PER CELL				REINFORCING BLOCK SIZE w/ DOUBLE BAR PER CELL		
	6"	8"	10"	12"	8"	10"	12"
#3	12	12	12	12	12	12	12
#4	18	13	12	12	15	16	16
#5	28	20	16	13	24	26	26
#6	53	38	29	24	46	49	49
#7	74	52	40	33	64	68	68

NOTE:
 MECHANICAL SPLICES ARE ACCEPTABLE AS AN ALTERNATE TO THE INDICATED LAP SPLICES. MECHANICAL SPLICES SHALL DEVELOP 125% OF THE SPECIFIED YIELD STRENGTH OF THE REINFORCING BAR.

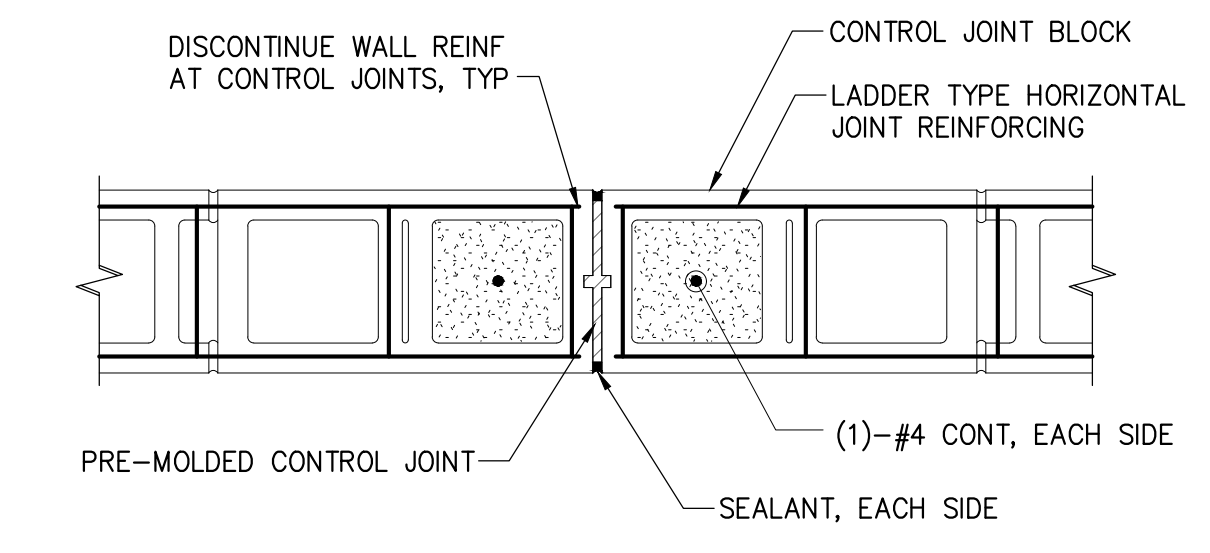
2 2018 INTERNATIONAL BUILDING CODE MASONRY LAP SPLICE SCHEDULE
 NOT TO SCALE



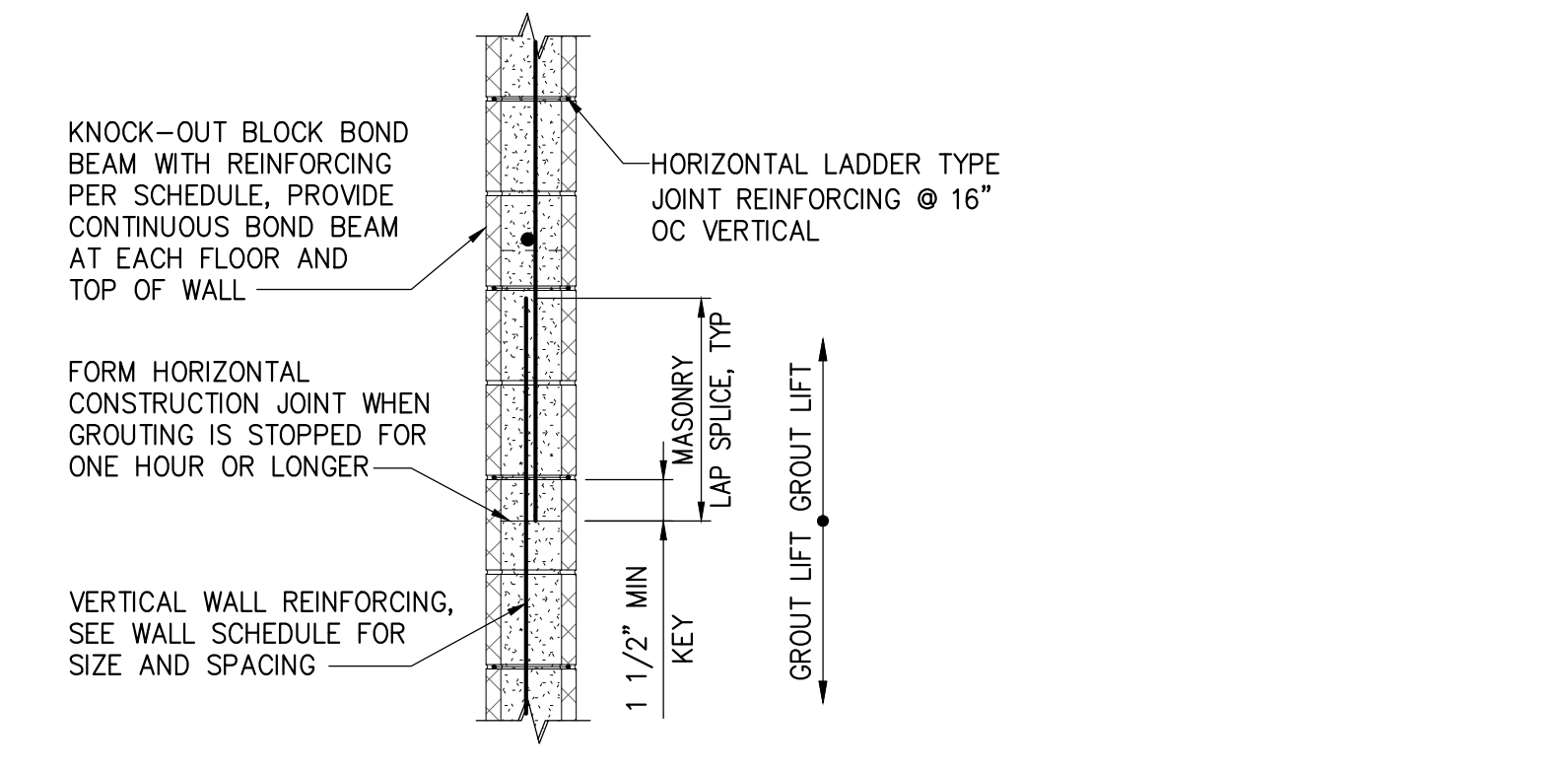
3 TYPICAL BOND BEAM DETAILS
 NOT TO SCALE



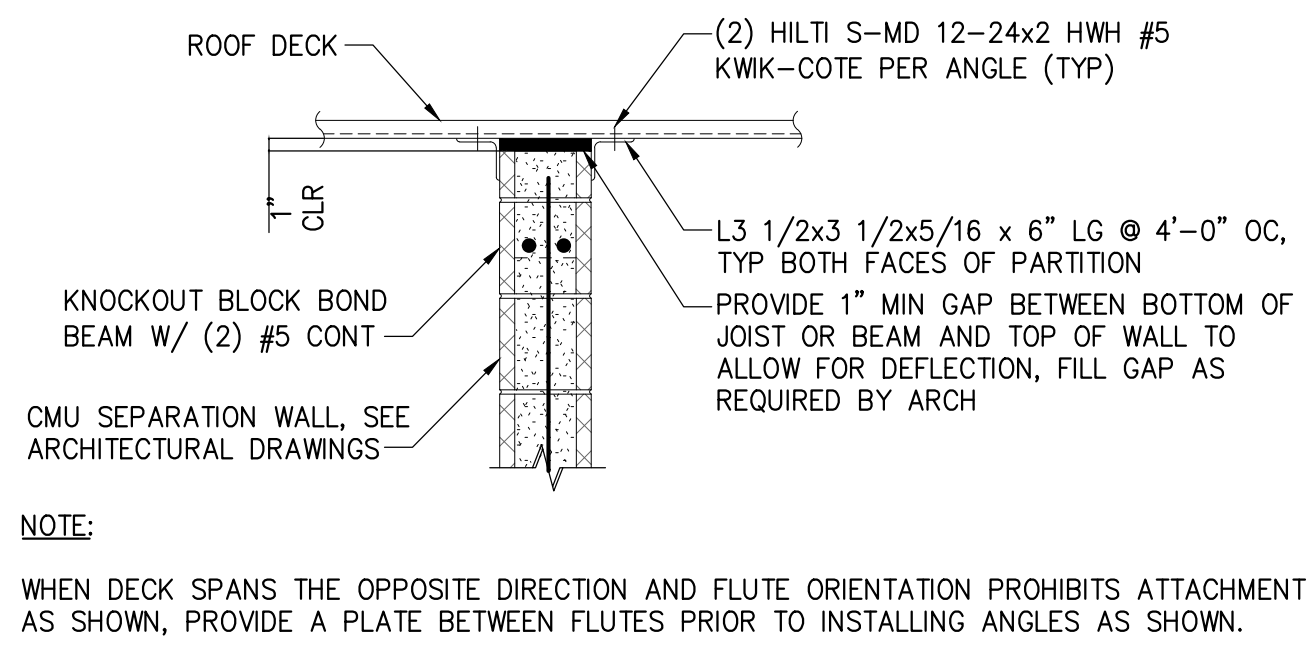
4 TYPICAL ADDITIONAL REINFORCING AT CMU OPENINGS
 NOT TO SCALE



5 TYPICAL MASONRY CONTROL JOINT DETAIL
 NOT TO SCALE



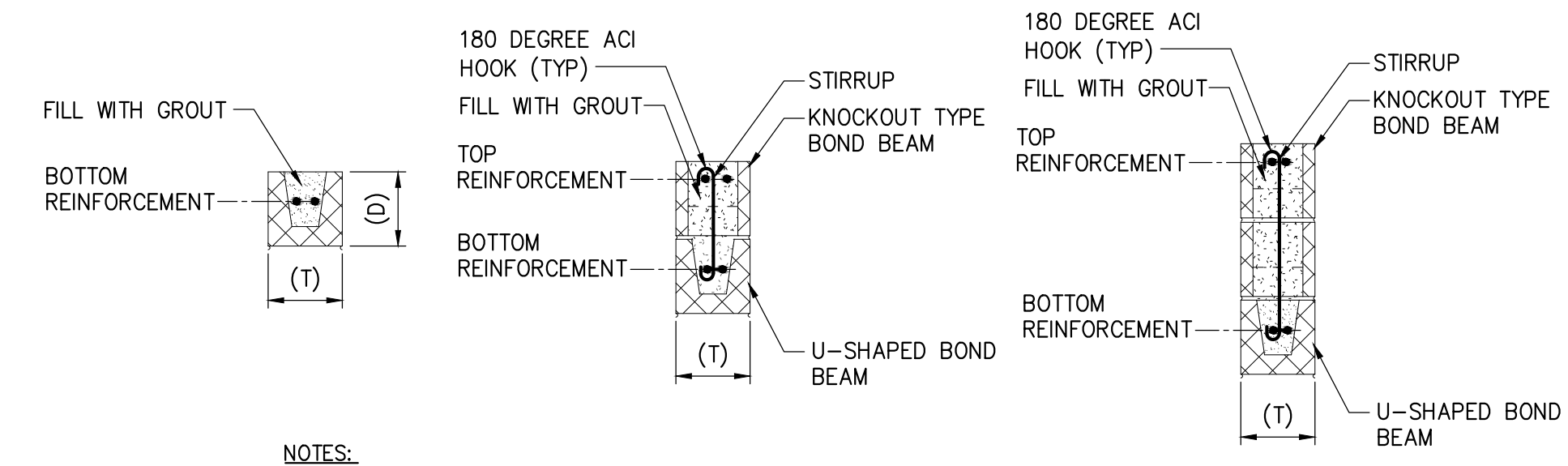
6 TYPICAL VERTICAL MASONRY WALL DETAIL
 NOT TO SCALE



7 TYPICAL PARTITION WALL BRACING AT ROOF
 NOT TO SCALE

CMU LINTEL SCHEDULE

WALL THICKNESS (T)	REINFORCEMENT					
	NOMINAL	ACTUAL	MAXIMUM CLEAR SPAN	DEPTH (D)	BOTTOM	TOP
8"	7 5/8"	0'-0" TO 4'-0"	7 5/8"	(2)-#5	-	-
8"	7 5/8"	4'-0" TO 8'-0"	1'-3 5/8"	(2)-#6	(2)-#6	#3 @ 8" O.C.
12"	11 5/8"	8'-0" TO 10'-0"	1'-11 5/8"	(2)-#6	(2)-#6	#3 @ 10" O.C.



NOTES:
 1. THIS LINTEL SCHEDULE APPLIES UNLESS OTHERWISE INDICATED ON PLAN.
 2. ALTERNATE DIRECTION OF STIRRUP HOOKS. STIRRUPS MAY BE ROTATED TO FIT HOOKS WITHIN CELL.

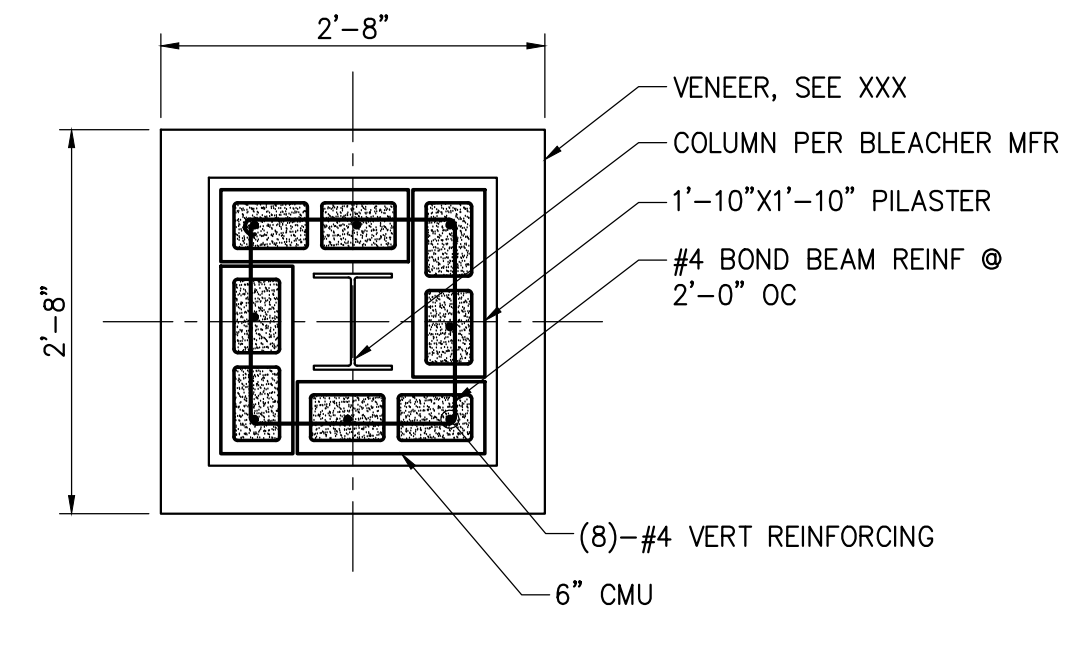
8 TYPICAL CMU LINTEL SCHEDULE
 NOT TO SCALE

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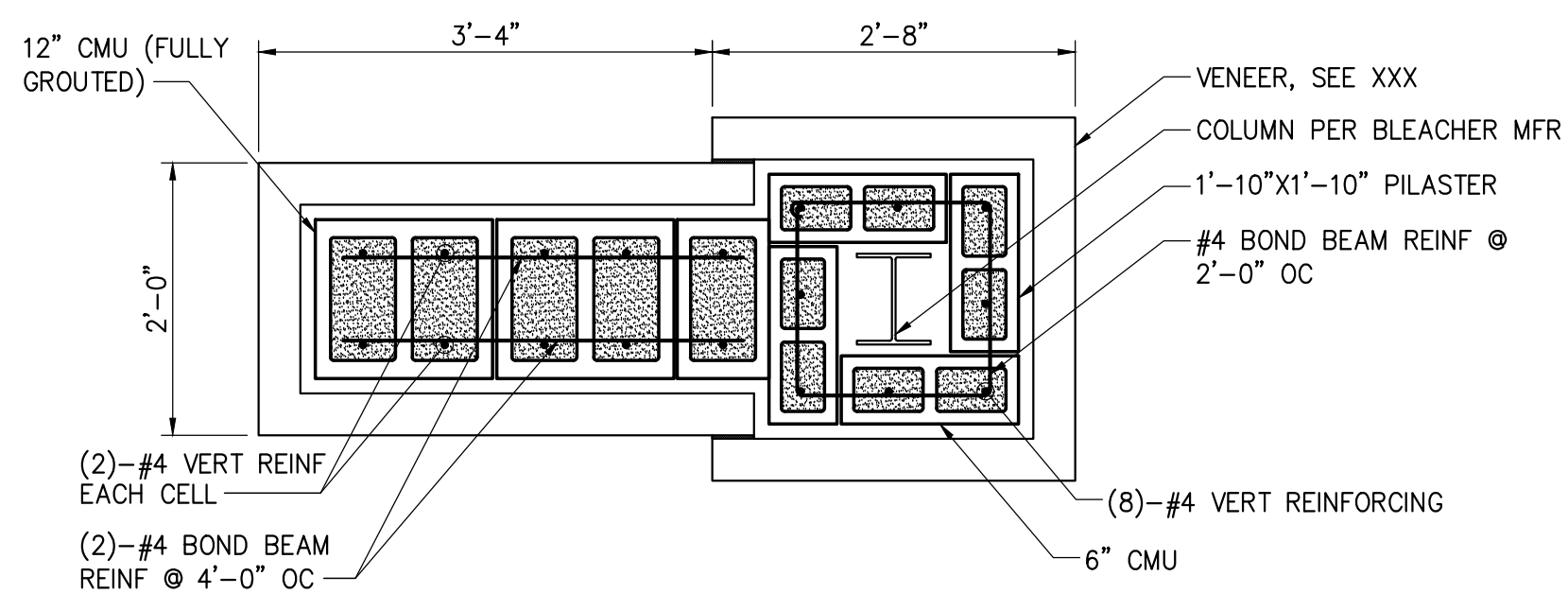
REVISIONS:

No.	Description	Date

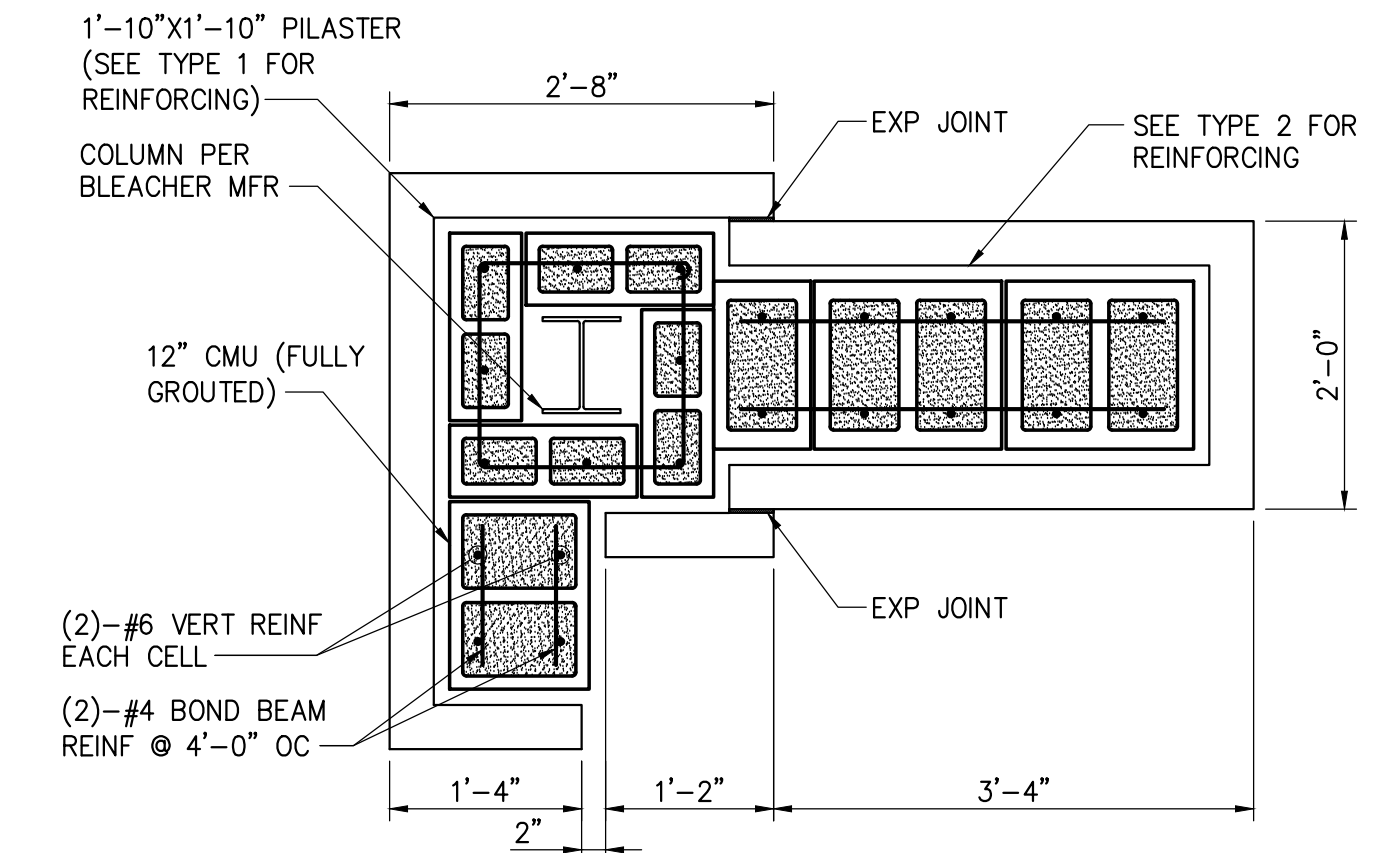
PROJECT: 5201-192070
 DATE: 10/09/2020
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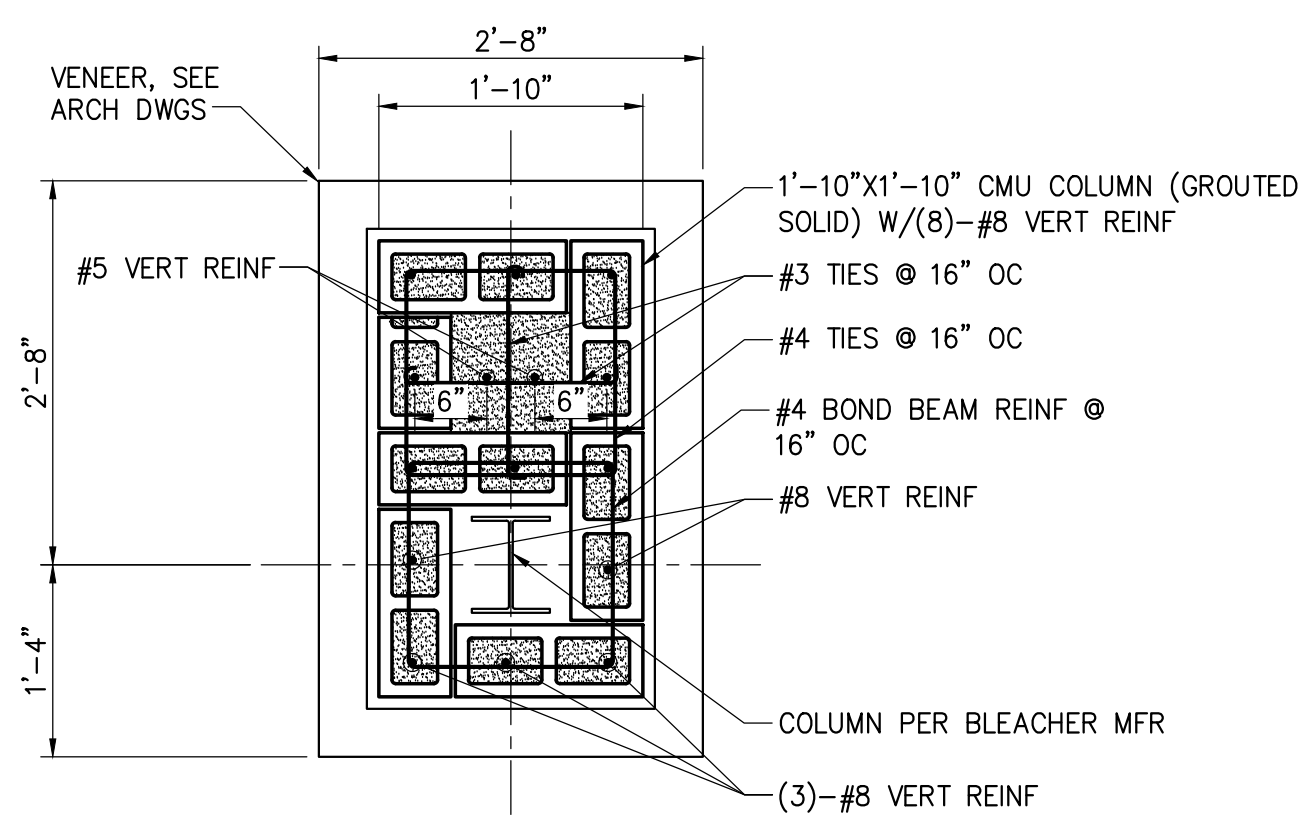
TYPE I



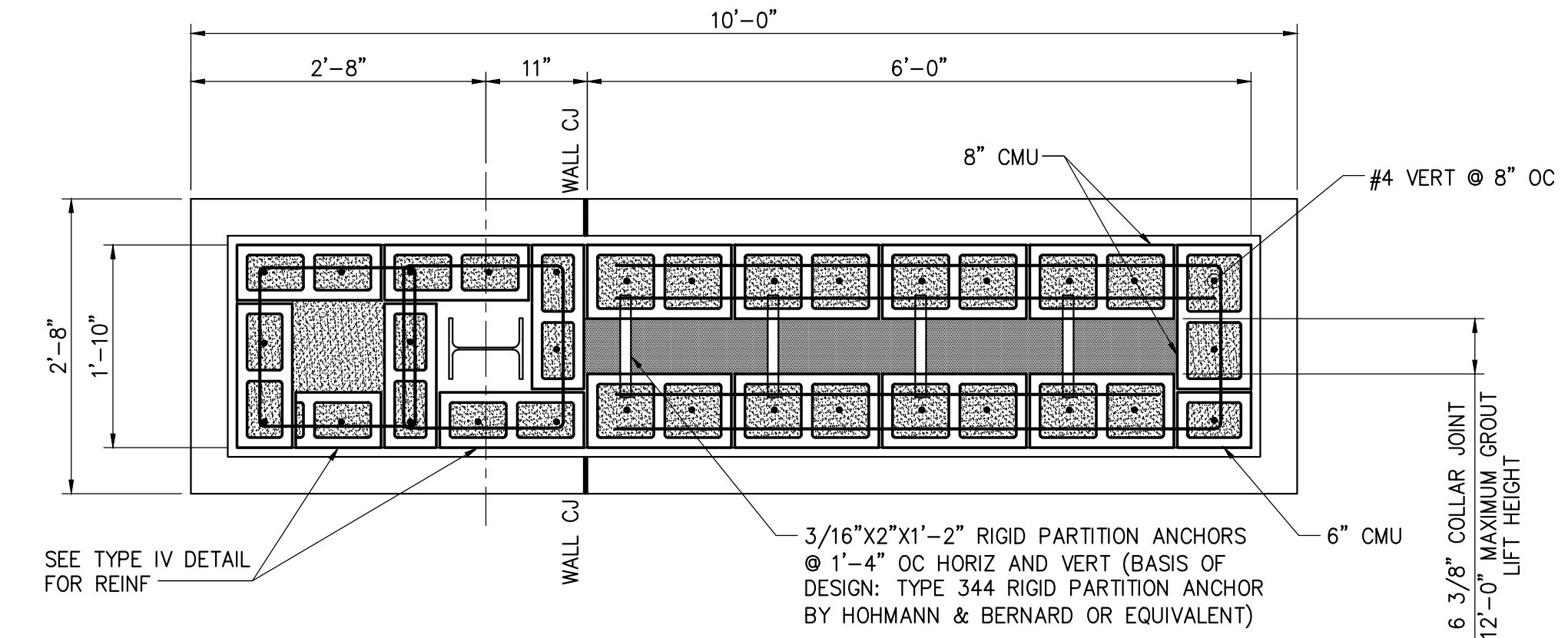
TYPE II



TYPE III

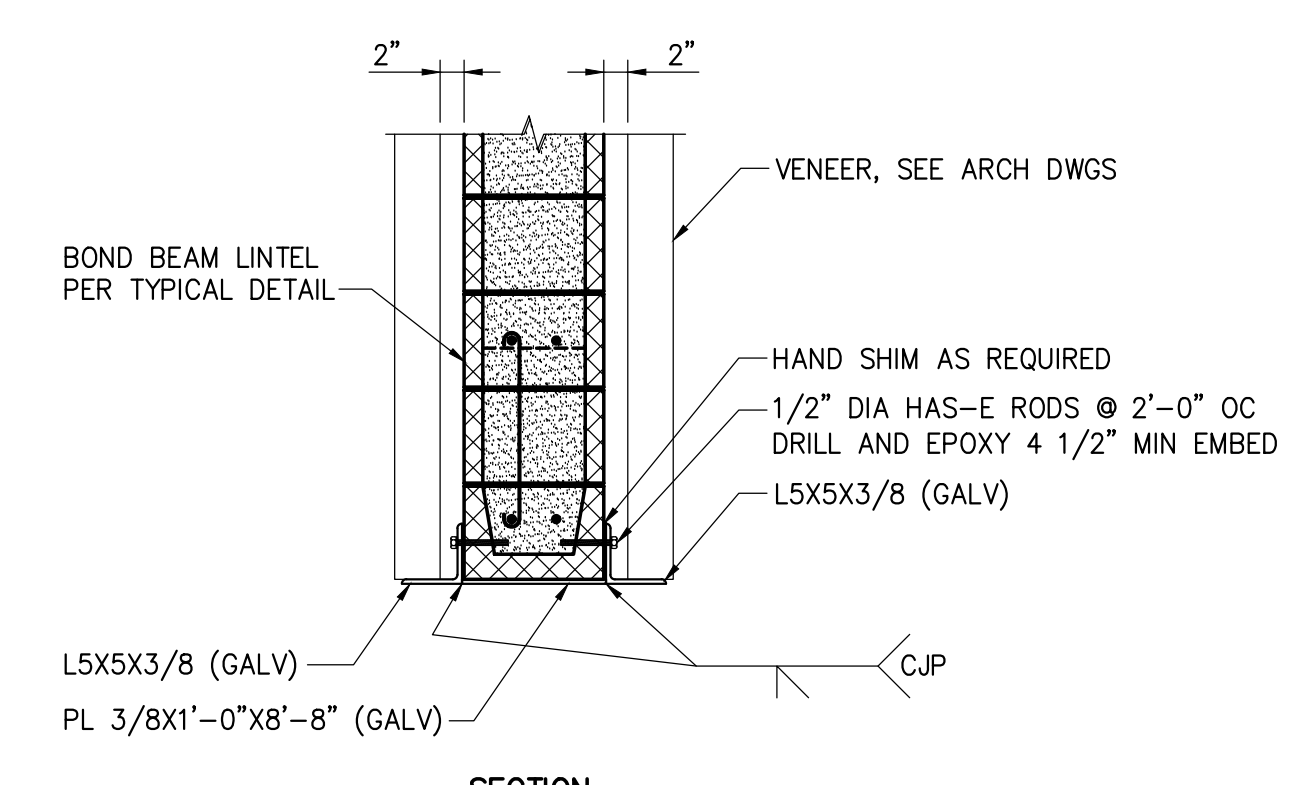


TYPE IV

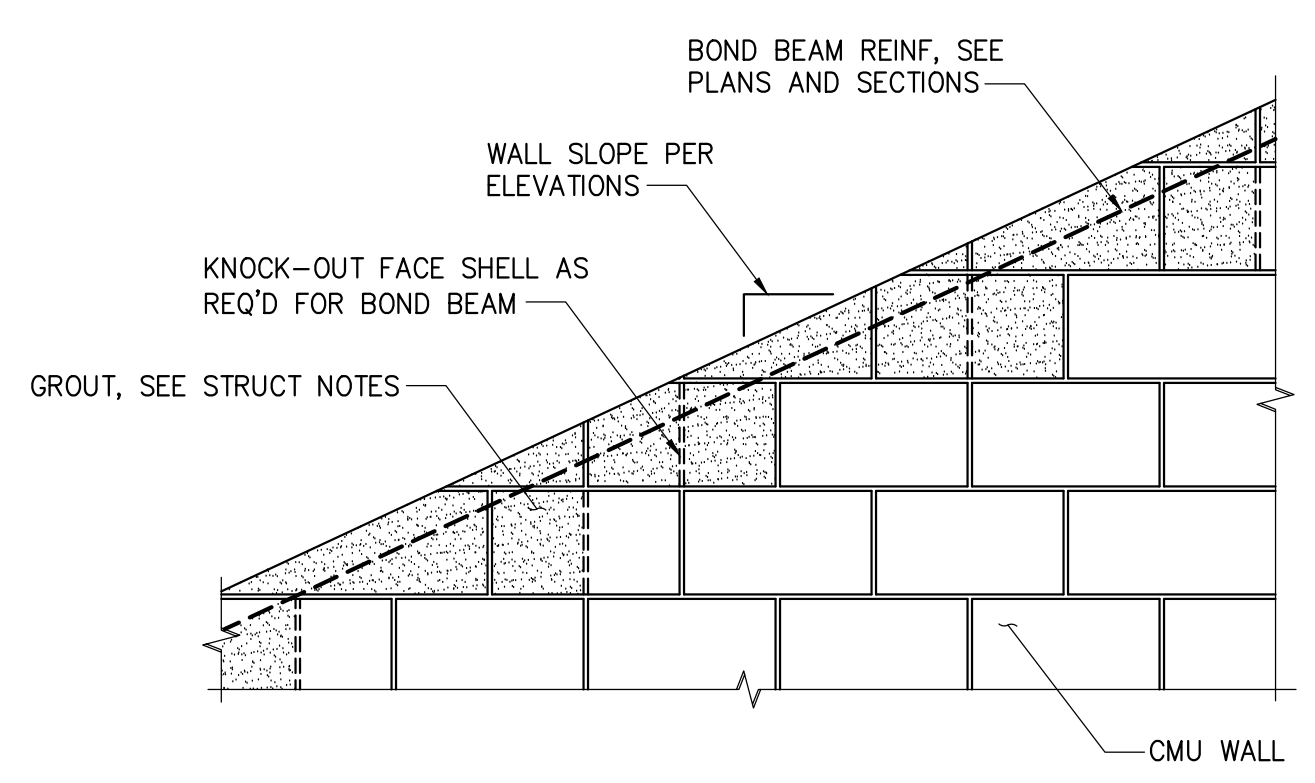


TYPE V

1 MASONRY PILASTER DETAILS
 SCALE: 3/4" = 1'-0"



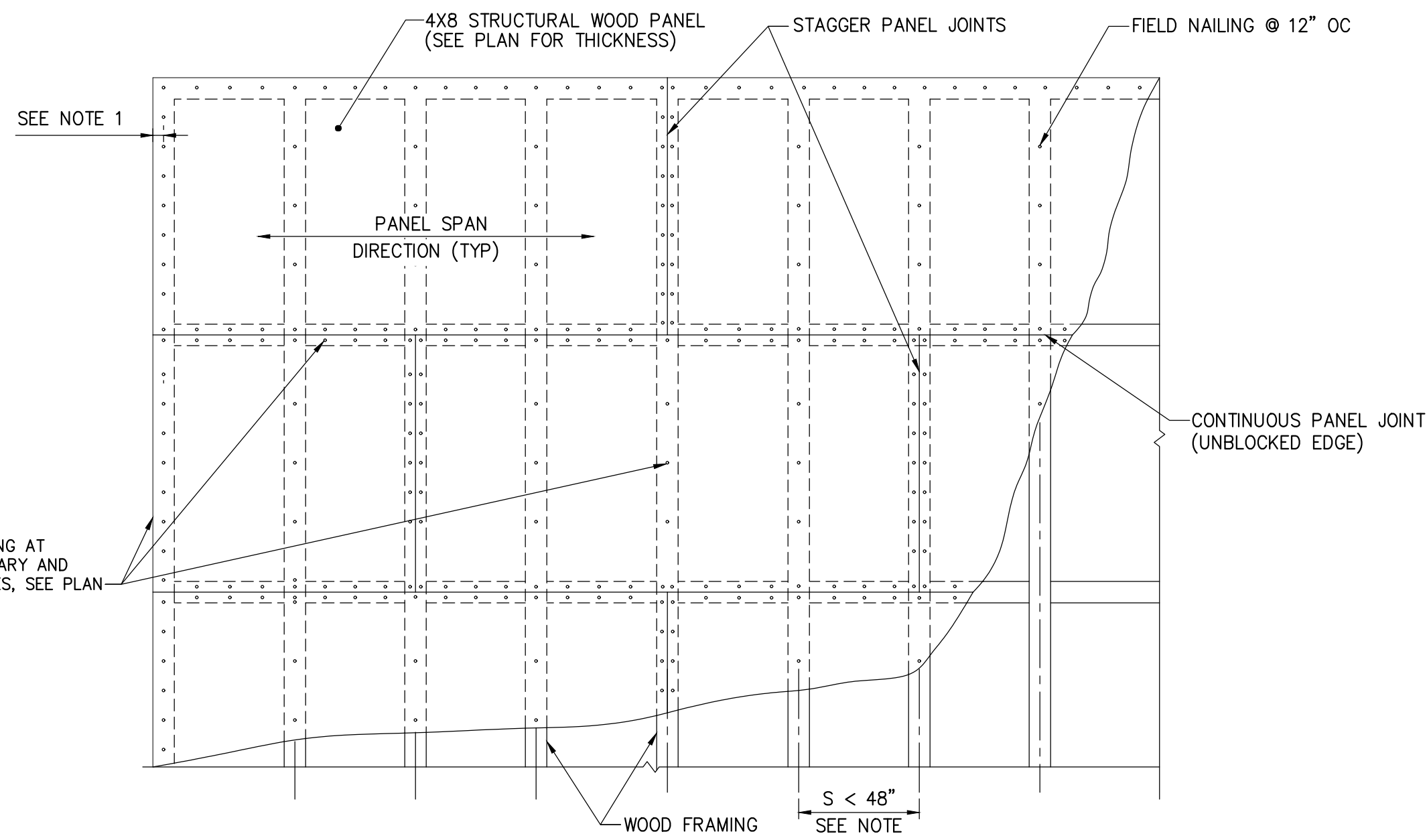
2 TYPICAL SECTION
 SCALE: 3/4" = 1'-0"



3 TYPICAL SLOPED BOND BEAM DETAIL
 SCALE: 3/4" = 1'-0"

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NOTES:

1. NAILS SHALL BE LOCATED 3/8" MIN. FROM EDGES AND END OF PANELS.
2. SPACE PANEL END AND EDGE JOINTS 1/8 INCH.
3. PROVIDE FIELD NAILING AT 6 INCHES ON CENTER WHEN SUPPORT SPACING "S" EXCEEDS 48 INCHES.

1 TYPICAL BLOCKED WOOD PANEL
DIAPHRAGM FASTENING DETAIL
NOT TO SCALE

SAVANNAH-CHATHAM
COUNTY PUBLIC SCHOOL
SYSTEM



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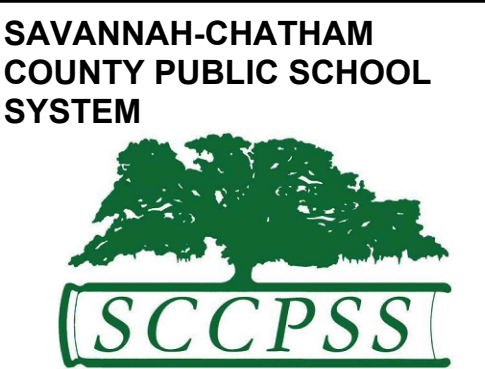
REVISIONS:

No.	Description	Date

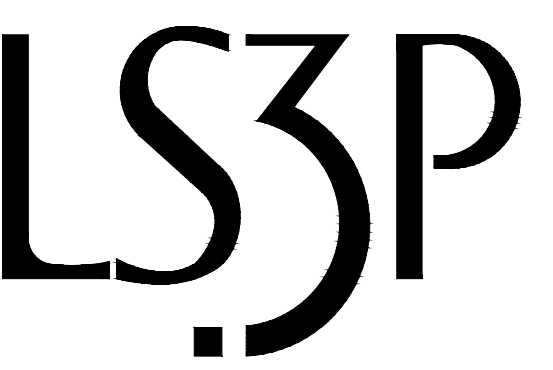
PROJECT: 5201-192070
DATE: 10/09/2020
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CHECKED BY: PMB

TYPICAL WOOD
DETAILS
SR-815

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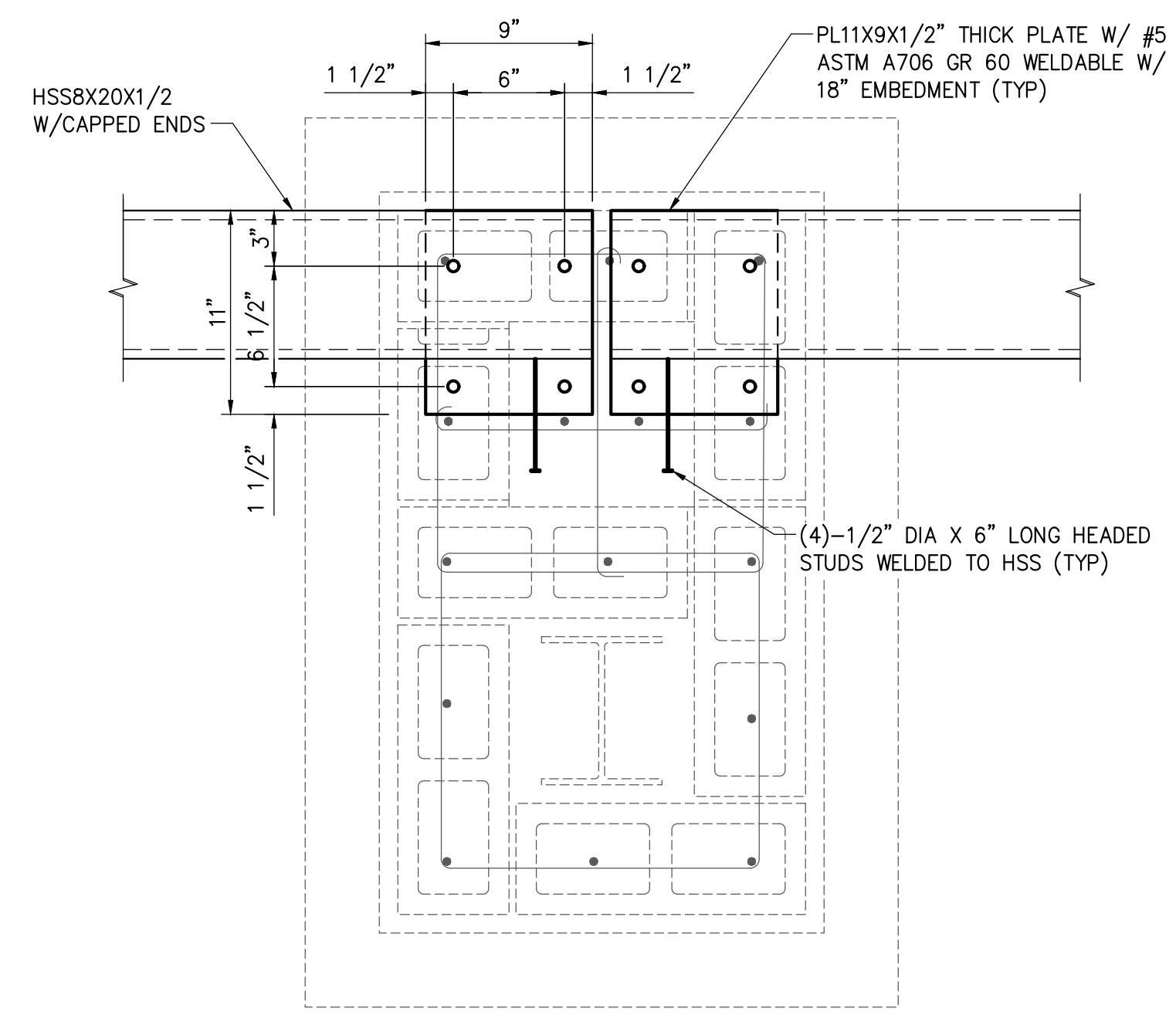
REVISIONS:

No.	Description	Date

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DATE: 10/09/2020
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TYPICAL STEEL DETAILS
SR-816

BID SET



TYPE IV
1 BASE PLATE DETAILS
SCALE: 1 1/2" = 1'-0"

D
C
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A

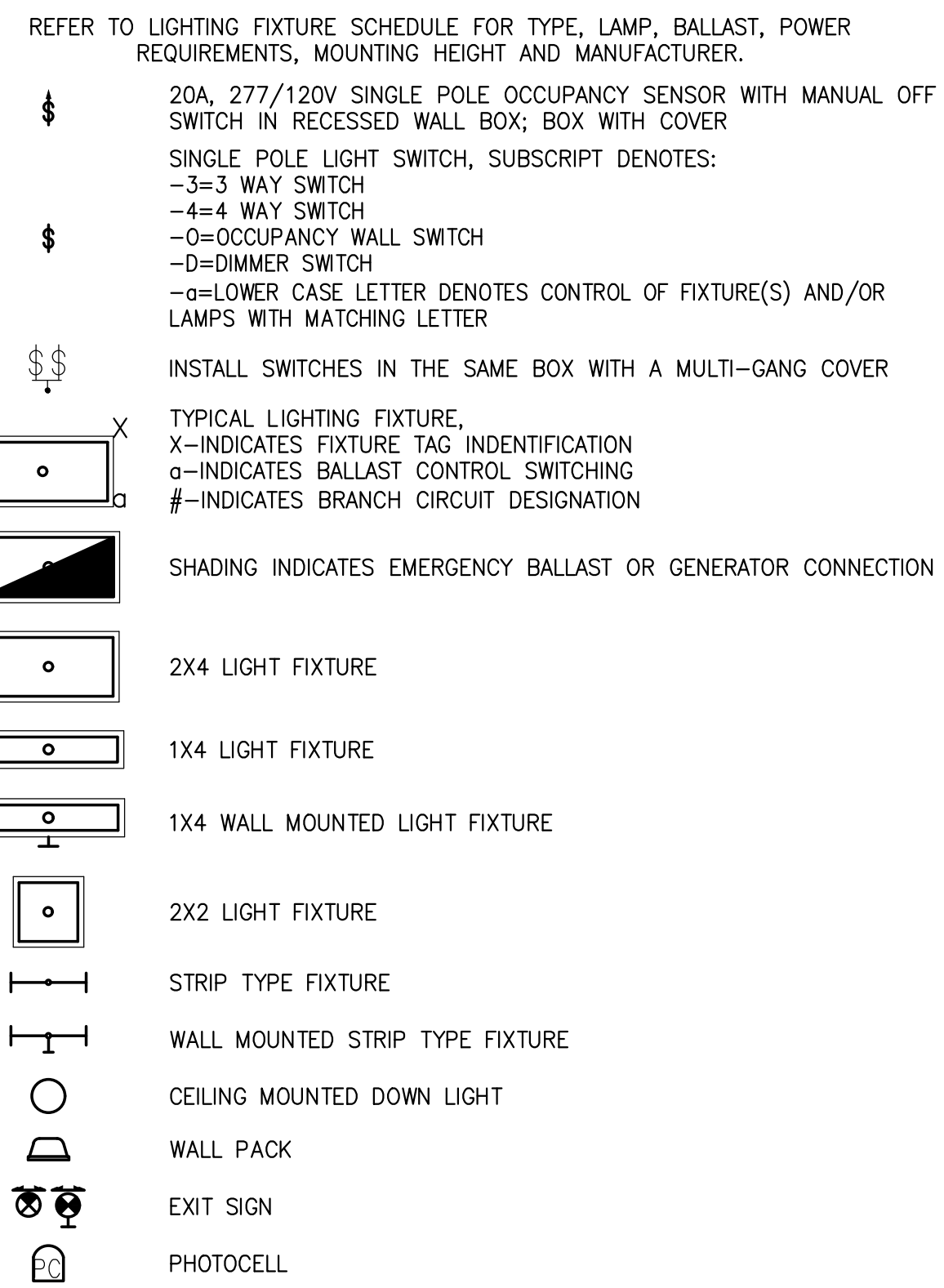
1 2 3 4 5

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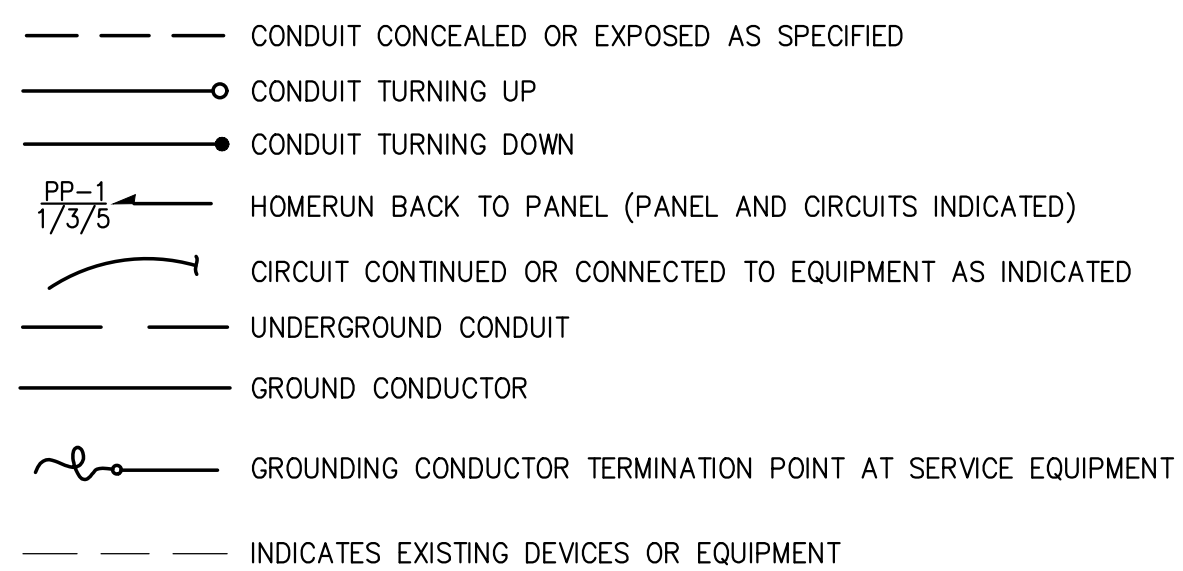
ABBREVIATIONS

A	ALTERNATING CURRENT
AC	AMPERE FRAME
AF	ABOVE FINISHED FLOOR/GRADE
AFF/G	AMPERE INTERRUPTING CAPACITY
AIC	AMPERE TRIP
AT	AUXILIARY
AUX	AUDIBLE/VISUAL
A/V	AMERICAN WIRE GAUGE
AWG	
BB	BACKBOARD
BCW	BARE COPPER WIRE
BATT	BATTERY
BTM	BOTTOM
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT
CAB	CABINET
CB	CIRCUIT BREAKER
CIR	CIRCUIT
CKT	CIRCUIT
CL	CENTER LINE
CO	COMPANY
COMM	COMMUNICATIONS
CONN	CONNECTION, CONNECT
CU	COPPER
△	DELTA CONNECTION
D	DEEP
DET	DETECTOR
DIA	DIAMETER
DISC	DISCONNECT
DIST	DISTRIBUTION
DIV	DIVISION
DN	DOWN
DWG	DRAWING
EA	EACH
EL	ELEVATION
ELEC	ELECTRIC(AL)
EMER	EMERGENCY
ENCL	ENCLOSURE
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXT	EXTERIOR
F	FUSE(D)
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLES
FIXT	FIXTURE
FLR	FLOOR
FLUOR	FLUORESCENT
FT	FOOT (FEET)
FUT	FUTURE
G, GND	GROUND
GALV	GALVANIZE(D)
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GFP	GROUND FAULT PROTECTION
HD	HEAVY DUTY
HGT	HEIGHT
HD	HIGH INTENSITY DISCHARGE
HTR	HEATER
HV	HIGH VOLTAGE
HW	HOT WATER
ID	IDENTIFY, IDENTIFICATION
INCAND	INCANDESCENT
J-BOX	JUNCTION BOX
J.C.	JANITOR CLOSET
JCT	JUNCTION
KCM/Kcmil	THOUSAND CIRCULAR MILS
KVA	KILO VOLT AMPERE
KW	KILOWATT
LGT	LIGHTING
LT(S)	LIGHT(S)
LED	LIGHT EMITTING DIODE
L	LOUVER
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MC	METAL CLAD CABLE
MFR	MANUFACTURER
MECH	MECHANICAL
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MT	MOUNT
MTD	MOUNTED
MTR	MOTOR
N	NORTH
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NL	NIGHT LIGHT
No/#	NUMBER
OC	OVER COUNTER
OL	OVERLOAD
P	POLE(S)
PA	PUBLIC ADDRESS
PNL	PANEL
PR	PAIR
PRI	PRIMARY
PWR	POWER
∅	PHASE
PT	PRESSURE TREATED
RECEPT	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RM	ROOM
SEC	SECONDARY
SH	SHIELDED
SPKR	SPEAKER
SW	SWITCH
TEMP	TEMPORARY/TEMPERATURE
T-STAT	THERMOSTAT
TB	TERMINAL BOARD
TYP	TYPICAL
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
V	VOLT, VOLTS
VA	VOLT-AMPERES
W	WATT, WIRE
W/P	WITH WEATHERPROOF
XFMR/T	TRANSFORMER
Y	WYE CONNECTION

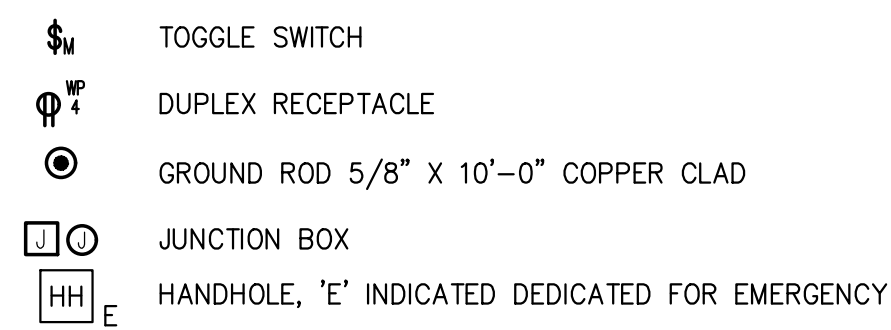
LIGHTING



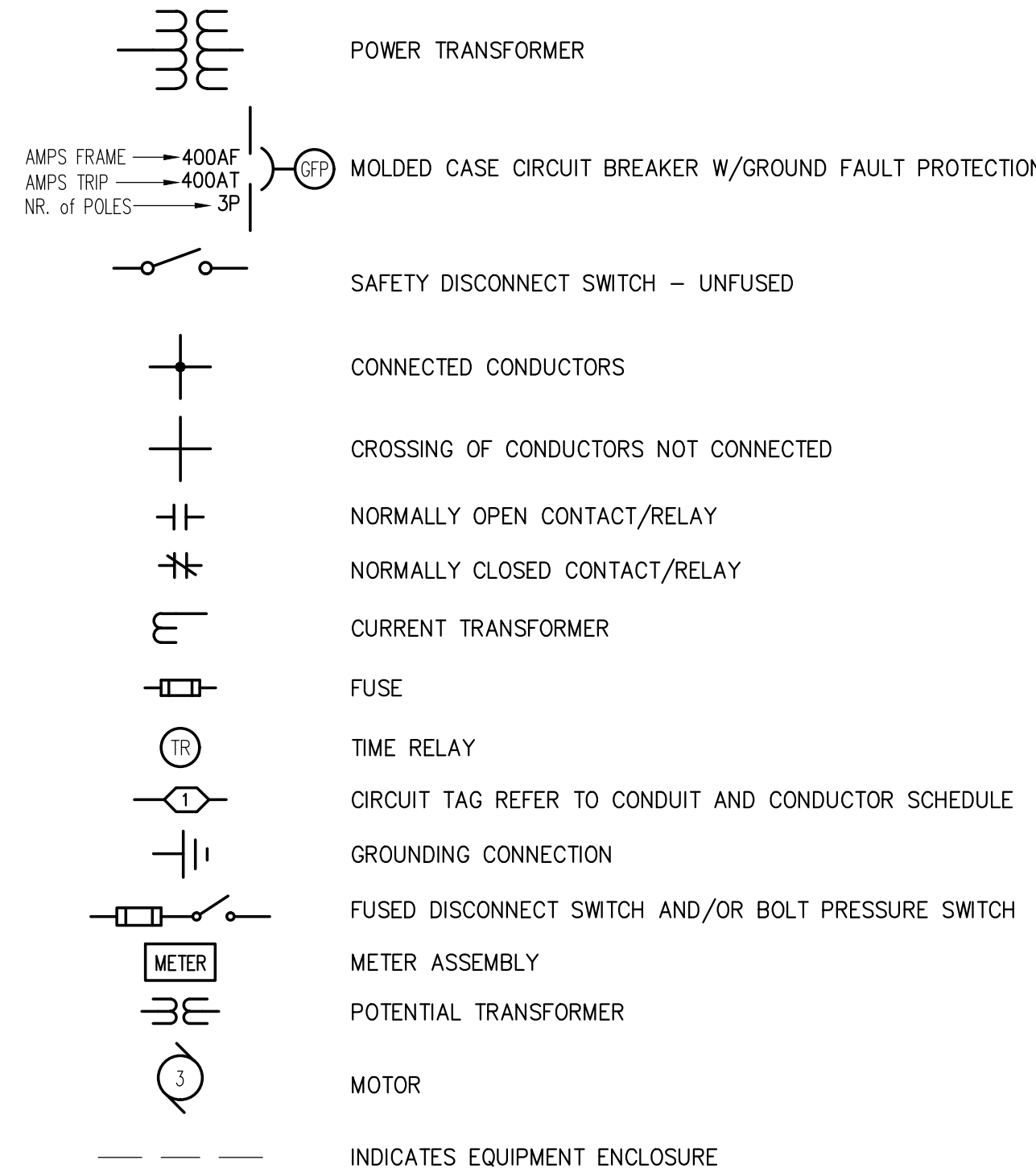
RACEWAYS



DEVICES AND APPURTENANCES



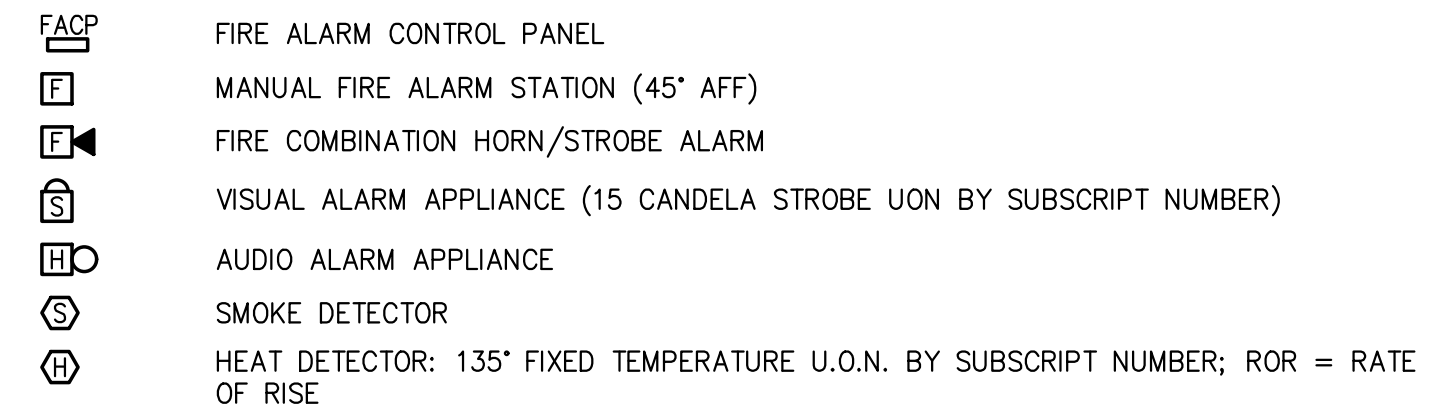
ONE LINE DIAGRAMS



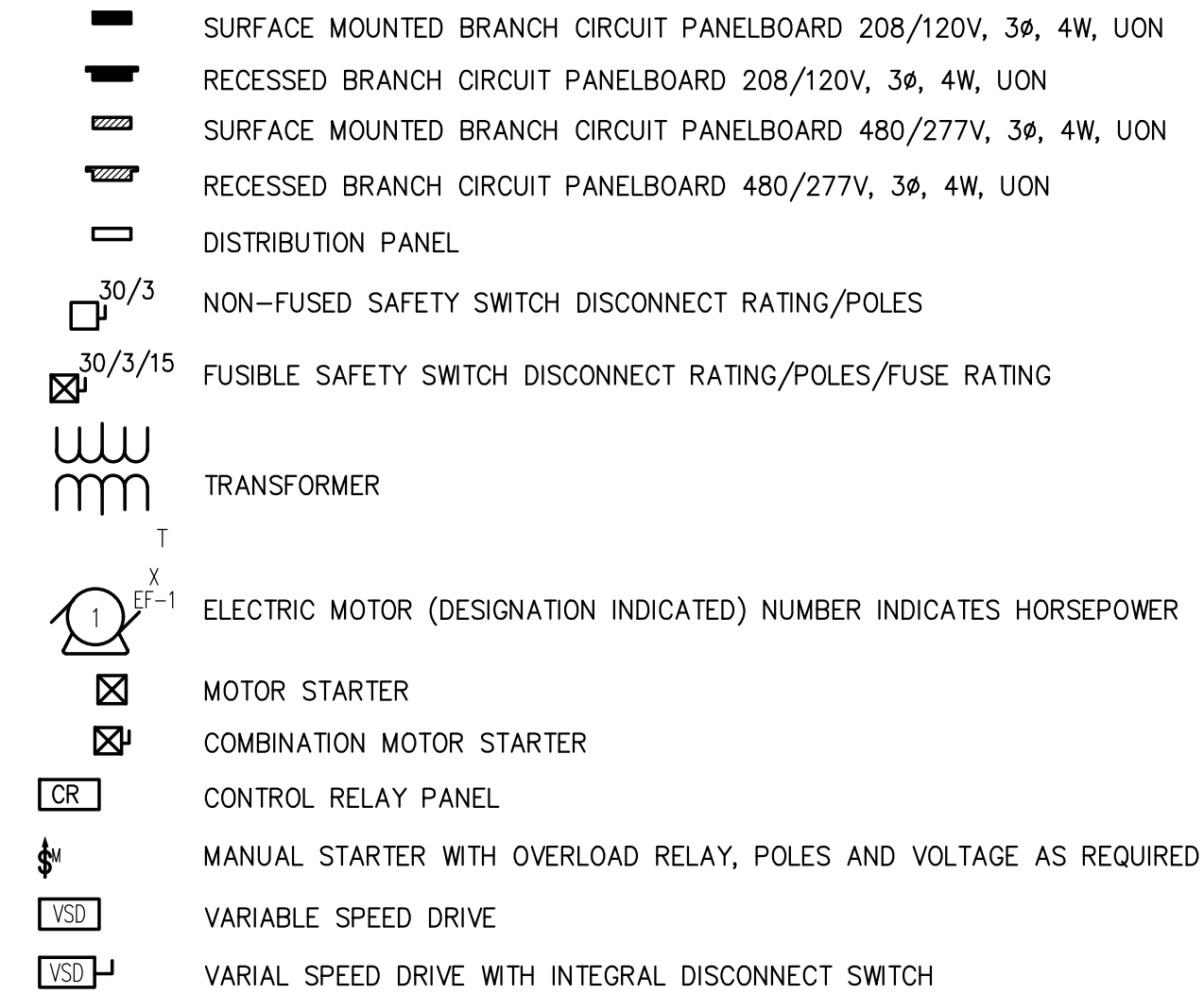
TELECOMMUNICATIONS



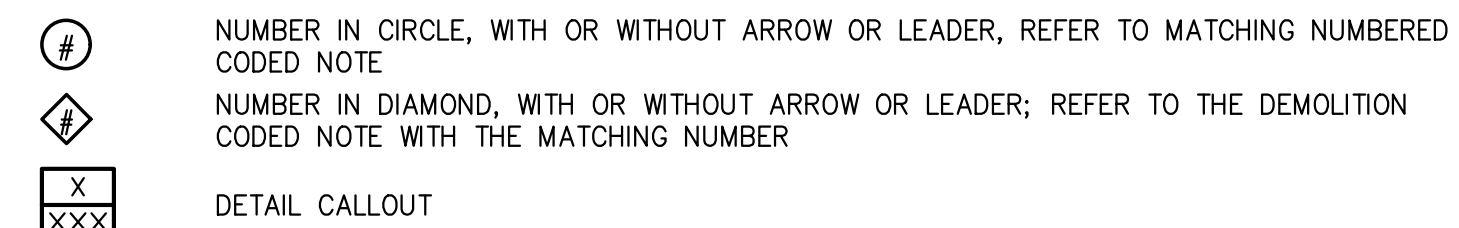
FIRE ALARM SYMBOLS



POWER DISTRIBUTION EQUIPMENT

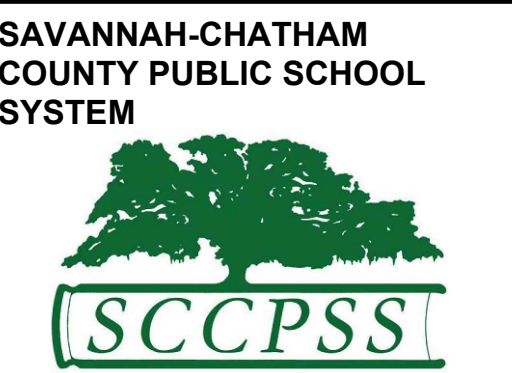


GENERAL



GENERAL NOTES

- REFER TO CIVIL DRAWINGS FOR SYMBOLS ASSOCIATED WITH WORK, EQUIPMENT, ETC. BY OTHER(S).
- ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE BY THE ELECTRICAL CONTRACT UNLESS OTHERWISE INDICATED.
- CONDUIT RUNS SHOWN ARE DIAGRAMMATIC UON. EXACT LOCATION OF ALL CONDUIT RUNS SHALL BE DETERMINED IN THE FIELD. COORDINATE INSTALLATIONS AND AVOID CONFLICT WITH PIPING, DUCTWORK, ACCESS DOORS AND WORK BY OTHER TRADES.
- GENERAL NOTES APPLY TO ALL ELECTRICAL CONTRACT DRAWINGS.

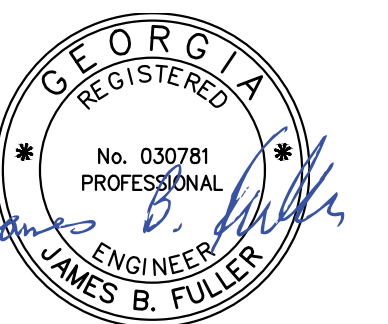


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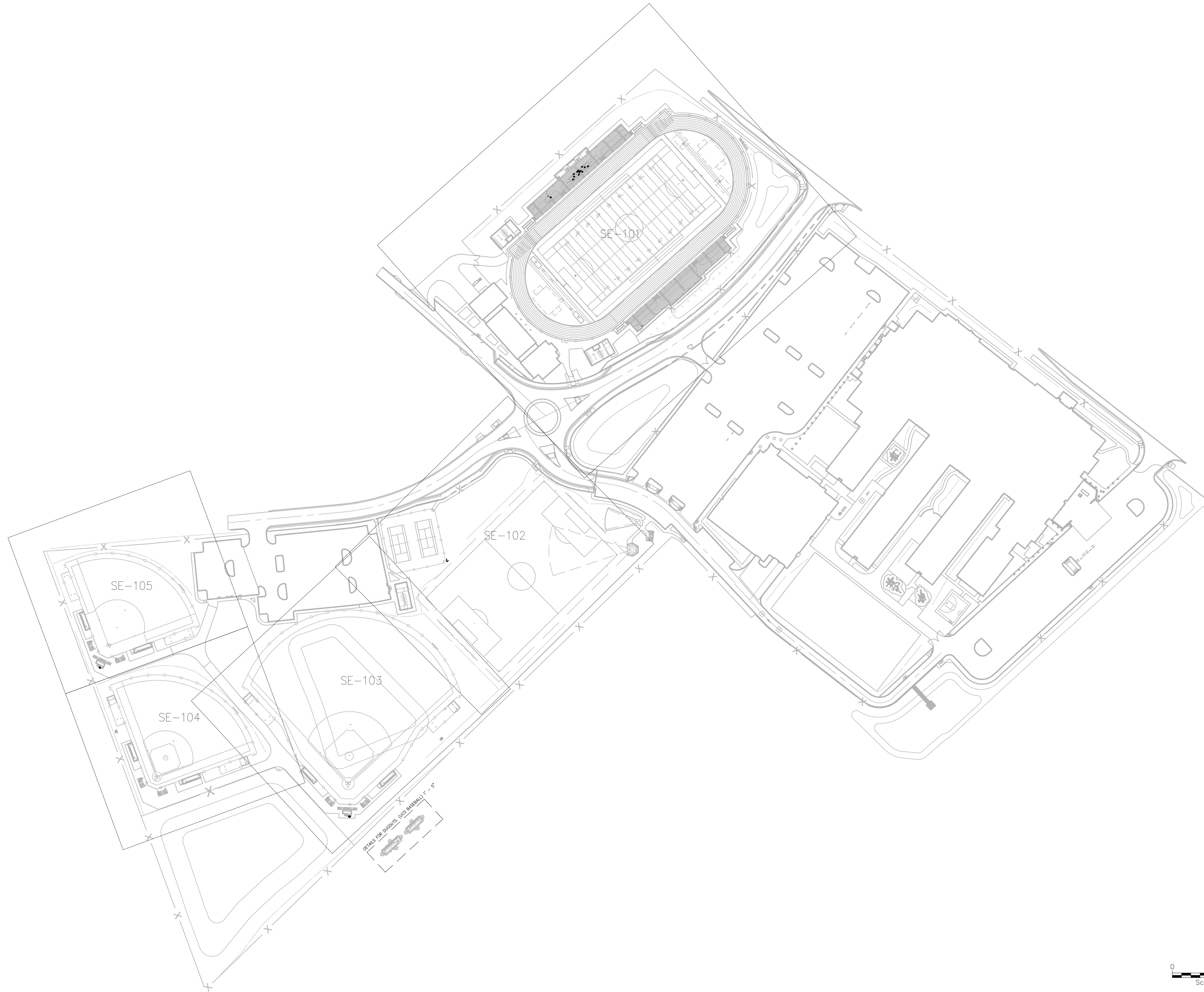
PROJECT: 5201-192070
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DRAWN BY: JRH
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ELECTRICAL GENERAL NOTES

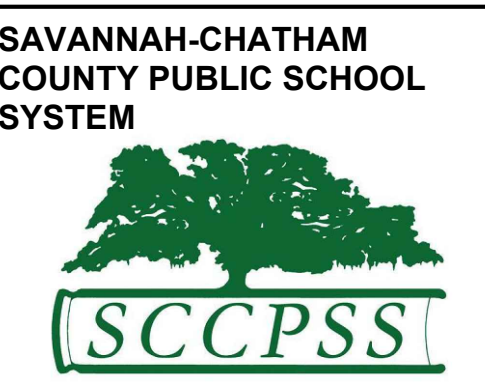
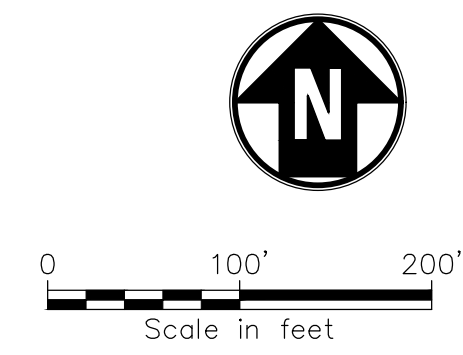
SE-001

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OVERALL ELECTRICAL SITE LAYOUT
SCALE: 1" = 100'



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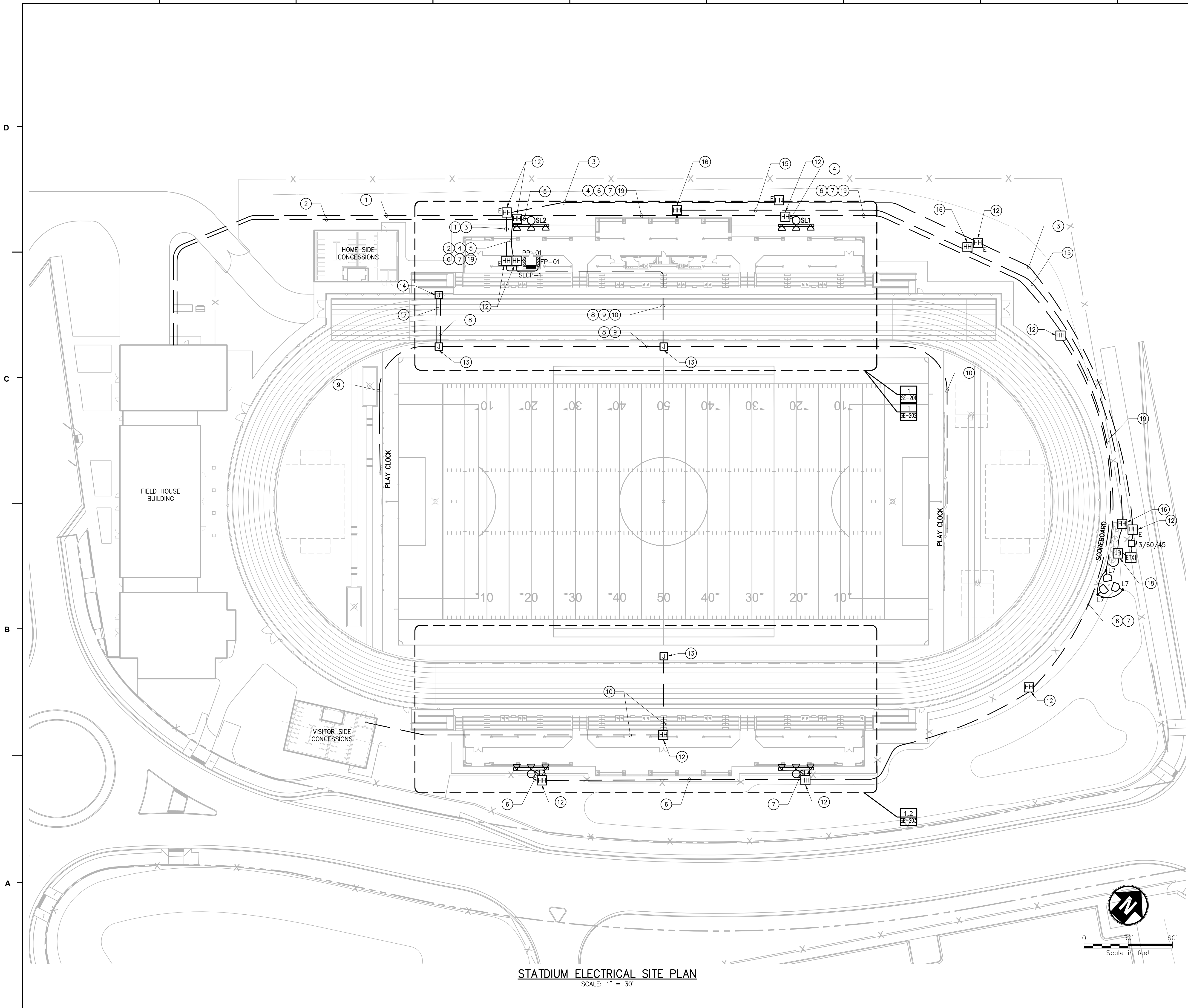
REVISIONS:

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DATE: 10/09/2020
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OVERALL
ELECTRICAL SITE
LAYOUT
SE-002

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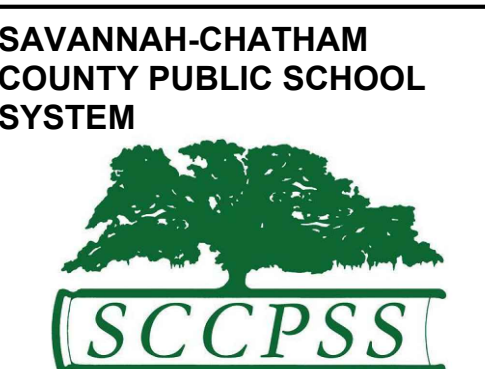
STADIUM ELECTRICAL SITE PLAN
SCALE: 1" = 30'

GENERAL NOTES

1. SPORT LIGHTING POLES "SL" ARE PROVIDED BY THE OWNER.
2. CONDUITS ARE RGS ABOVE GROUND, OR PVC TYPE 40 BELOW GROUND, UNLESS OTHERWISE NOTED.

CODED NOTES

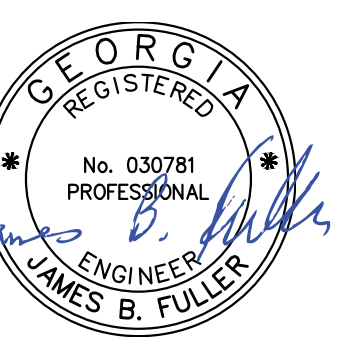
- ① PROVIDE (1) 2" CONDUIT WITH (4) #1 AND (1) #8G FOR PANEL EP-01 FROM FIELD HOUSE MAIN EMERGENCY DISTRIBUTION PANEL. SEE FIELD HOUSE DRAWINGS FOR ADDITIONAL INFORMATION.
- ② PROVIDE (1) 3" CONDUIT WITH (4) #4/0 AND (1) #6G FOR PANEL PP-01 FROM FIELD HOUSE MAIN DISTRIBUTION PANEL. SEE FIELD HOUSE DRAWINGS FOR ADDITIONAL INFORMATION.
- ③ PROVIDE (1) 1" CONDUIT WITH (4) #6 AND (1) #8G FOR TRANSFORMER ETX1.
- ④ PROVIDE (1) 1" CONDUIT WITH (3) #12 AND (1) #12G FOR LIGHT POLE SL1
- ⑤ PROVIDE (1) 1" CONDUIT WITH (3) #12 AND (1) #12G FOR LIGHT POLE SL2
- ⑥ PROVIDE (1) 1 1/2" CONDUIT WITH (3) #4 AND (1) #4G FOR LIGHT POLE SL3
- ⑦ PROVIDE (1) 1" CONDUIT WITH (3) #6 AND (1) #6G FOR LIGHT POLE SL4
- ⑧ PROVIDE (1) 1" CONDUIT WITH (2) #10 AND (1) #10G FOR CONVINC OUTLETS ON HOME SIDE FIELD
- ⑨ PROVIDE (1) 1" CONDUIT WITH (2) #10 AND (1) #10G FOR SOUTH PLAY CLOCK
- ⑩ PROVIDE (1) 1" CONDUIT WITH (2) #10 AND (1) #10G FOR NORTH PLAY CLOCK.
- ⑪ PROVIDE (1) 1" CONDUIT WITH (2) #10 AND (1) #10G FOR CONVINC OUTLETS ON VISITORS SIDE FIELD FROM VISITORS SIDE CONCESSION STAND PANEL. SEE FIELD HOUSE DRAWINGS FOR ADDITIONAL INFORMATION.
- ⑫ PROVIDE HANDHOLE, SEE DETAIL 2 ON SHEET SE-605
- ⑬ JUNCTION BOX, SEE DETAIL 6 ON SHEET SR-601
- ⑭ JUNCTION BOX, SEE DETAIL 7 ON SHEET SR-601
- ⑮ PROVIDE (1) 1" CONDUIT FOR COMMUNICATION CABLE FOR SCOREBOARD.
- ⑯ PROVIDE HANDHOLE, SEE DETAIL 3 ON SHEET SE-605
- ⑰ PROVIDE (1) 2" CONDUIT FOR COMMUNICATION
- ⑱ JUNCTION BOX PROVIDED BY SCOREBOARD MANUFACTURER
- ⑲ PROVIDE (1) 1" CONDUIT WITH (2) #12 AND (1) #10G FOR FLAGPOLE LIGHTS.



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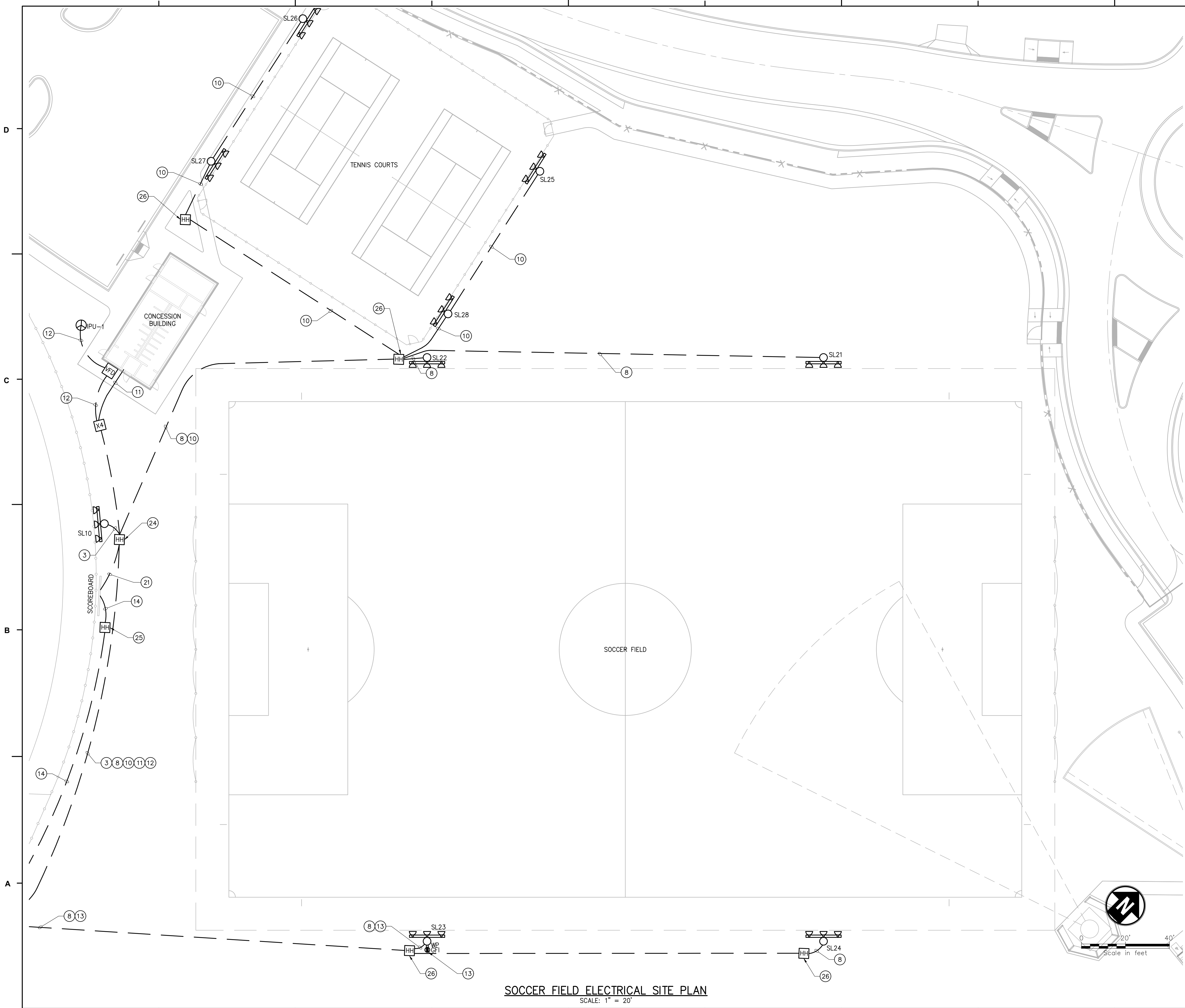
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STADIUM
ELECTRICAL SITE
PLAN
SE-101

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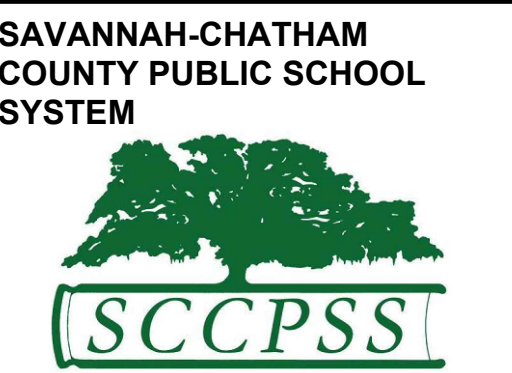
Soccer Field Electrical Site Plan
SCALE: 1" = 20'

GENERAL NOTES

1. SPORT LIGHTING POLES "SL" ARE PROVIDED BY THE OWNER.
2. CONDUITS ARE RGS ABOVE GROUND, OR PVC TYPE 40 BELOW GROUND, UNLESS OTHERWISE NOTED.
3. CODED NOTES 8, 9, 10, 13, AND 26 TO BE BID AS "ADD ALTERNATE".

CODED NOTES

- ① NOTE NOT USED.
- ② NOTE NOT USED.
- ③ PROVIDE (1) 1" CONDUIT WITH (3)#10 AND (1)#10G FOR LIGHT POLES SL9 AND SL10.
- ④ NOTE NOT USED.
- ⑤ NOTE NOT USED.
- ⑥ NOTE NOT USED.
- ⑦ NOTE NOT USED.
- ⑧ PROVIDE (1) 1" CONDUIT WITH (3)#6 AND (1)#6G FOR LIGHT POLES SL21 AND SL22.
- ⑨ PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL23 AND SL24.
- ⑩ PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL25, SL26, SL27, AND SL28.
- ⑪ PROVIDE (1) 3" CONDUIT WITH (3)#4/0 AND (1)#2G FOR CONCESSION POWER PANEL.
- ⑫ PROVIDE (1) 1" CONDUIT WITH (4)#8 AND (1)#8G FOR IPU-1.
- ⑬ PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR CONVINE RECEIPT AT SOCCER FIELD. TO BE INSTALLED ON POLE SL23 18" ABOVE GRADE.
- ⑭ PROVIDE (1) 1" CONDUIT FOR COMMUNICATION CABLE FOR BASEBALL FIELD SCOREBOARD TO PRESSBOX.
- ⑮ NOTE NOT USED.
- ⑯ NOTE NOT USED.
- ⑰ NOTE NOT USED.
- ⑱ NOTE NOT USED.
- ⑲ NOTE NOT USED.
- ⑳ NOTE NOT USED.
- ㉑ PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR SCOREBOARD POWER.
- ㉒ NOTE NOT USED.
- ㉓ NOTE NOT USED.
- ㉔ PROVIDE HANDHOLE, SEE DETAIL 2 ON SHEET SE-605.
- ㉕ PROVIDE HANDHOLE, SEE DETAIL 3 ON SHEET SE-605.
- ㉖ PROVIDE HANDHOLE, SEE DETAIL 2 ON SHEET SE-605.

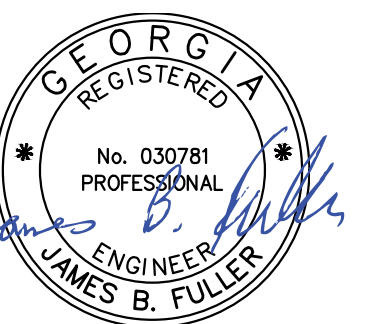


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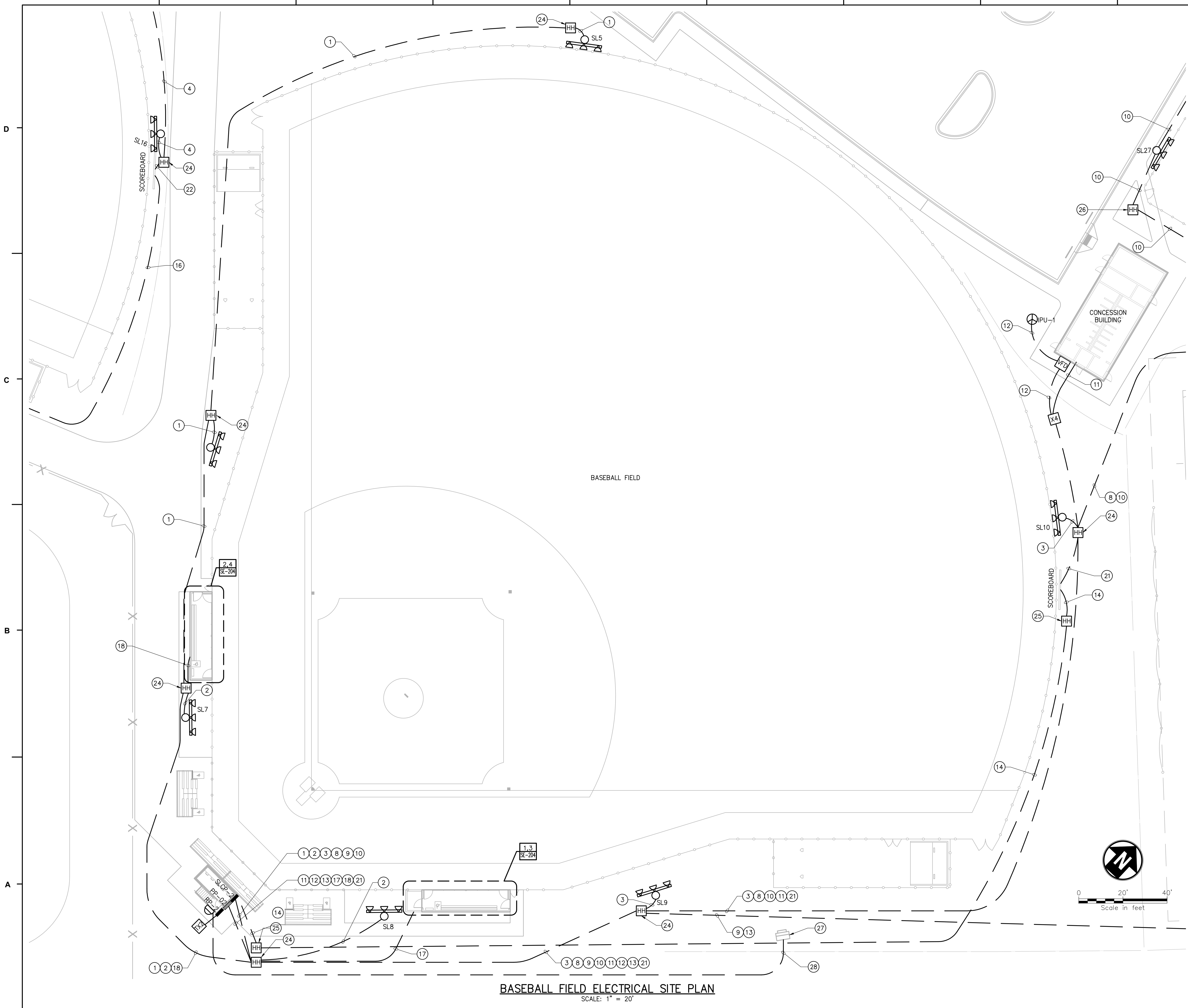
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**Soccer Field
Electrical
Plan**
SE-102

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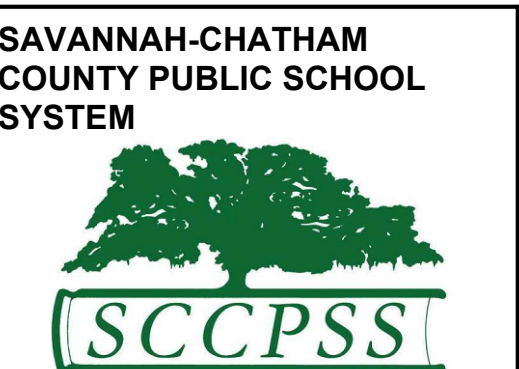
BASEBALL FIELD ELECTRICAL SITE PLAN
SCALE: 1" = 20'

GENERAL NOTES

1. SPORT LIGHTING POLES "SL" ARE PROVIDED BY THE OWNER.
2. CONDUITS ARE RGS ABOVE GROUND, OR PVC TYPE 40 BELOW GROUND, UNLESS OTHERWISE NOTED.
3. CODED NOTES 8, 9, 10, 13, AND 26 TO BE BID AS "ADD ALTERNATE".

CODED NOTES

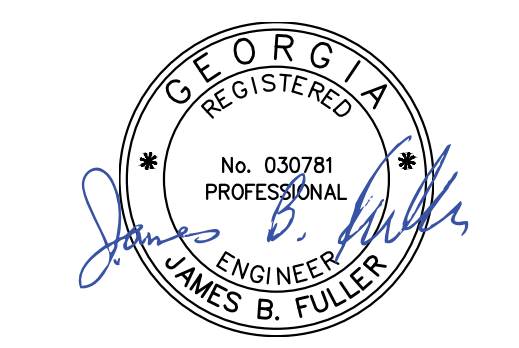
- ① PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL5 AND SL6.
- ② PROVIDE (1) 1" CONDUIT WITH (3)#12 AND (1)#12G FOR LIGHT POLES SL7 AND SL8.
- ③ PROVIDE (1) 1" CONDUIT WITH (3)#10 AND (1)#10G FOR LIGHT POLES SL9 AND SL10.
- ④ PROVIDE (1) 1" CONDUIT WITH (3)#12 AND (1)#12G FOR LIGHT POLES SL11 AND SL16.
- ⑤ NOTE NOT USED.
- ⑥ NOTE NOT USED.
- ⑦ NOTE NOT USED.
- ⑧ PROVIDE (1) 1" CONDUIT WITH (3)#6 AND (1)#6G FOR LIGHT POLES SL21 AND SL22.
- ⑨ PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL23 AND SL24.
- ⑩ PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL25, SL26, SL27, AND SL28.
- ⑪ PROVIDE (1) 3" CONDUIT WITH (3)#4/0 AND (1)#2G FOR CONCESSION POWER PANEL.
- ⑫ PROVIDE (1) 1" CONDUIT WITH (4)#8 AND (1)#8G FOR IPU-1.
- ⑬ PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR CONVINC RECEPT AT SOCCER FIELD. TO BE INSTALLED ON POLE SL23 18" ABOVE GRADE.
- ⑭ PROVIDE (1) 1" CONDUIT FOR COMMUNICATION CABLE FOR BASEBALL FIELD SCOREBOARD TO PRESSBOX.
- ⑮ NOTE NOT USED.
- ⑯ PROVIDE (1) 1" CONDUIT FOR COMMUNICATION CABLE FOR YOUTH FIELD SCOREBOARD TO SCOREBENCH.
- ⑰ PROVIDE (1) 1" CONDUIT FOR POWER AND LIGHTING OF HOME SIDE DUGOUTS. SEE DETAIL 1,3 ON SHEET SE-204 FOR WIRE SIZE REQUIREMENTS.
- ⑱ PROVIDE (1) 1" CONDUIT FOR POWER AND LIGHTING OF VISITOR SIDE DUGOUTS. SEE DETAIL 2,4 ON SHEET SE-204 FOR WIRE SIZE REQUIREMENTS.
- ⑲ NOTE NOT USED.
- ⑳ NOTE NOT USED.
- ㉑ PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR SCOREBOARD POWER.
- ㉒ PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR YOUTH FIELD SCOREBOARD POWER.
- ㉓ NOTE NOT USED.
- ㉔ PROVIDE HANDHOLE, SEE DETAIL 2 ON SHEET SE-605.
- ㉕ PROVIDE HANDHOLE, SEE DETAIL 3 ON SHEET SE-605.
- ㉖ PROVIDE HANDHOLE, SEE DETAIL 2 ON SHEET SE-605.
- ㉗ UTILITY TRANSFORMER, SEE ATHLETICS ELECTRICAL SET FOR ADDITIONAL INFORMATION
- ㉘ UNDERGROUND SERVICE, SEE ATHLETICS ELECTRICAL SET FOR ADDITIONAL INFORMATION.



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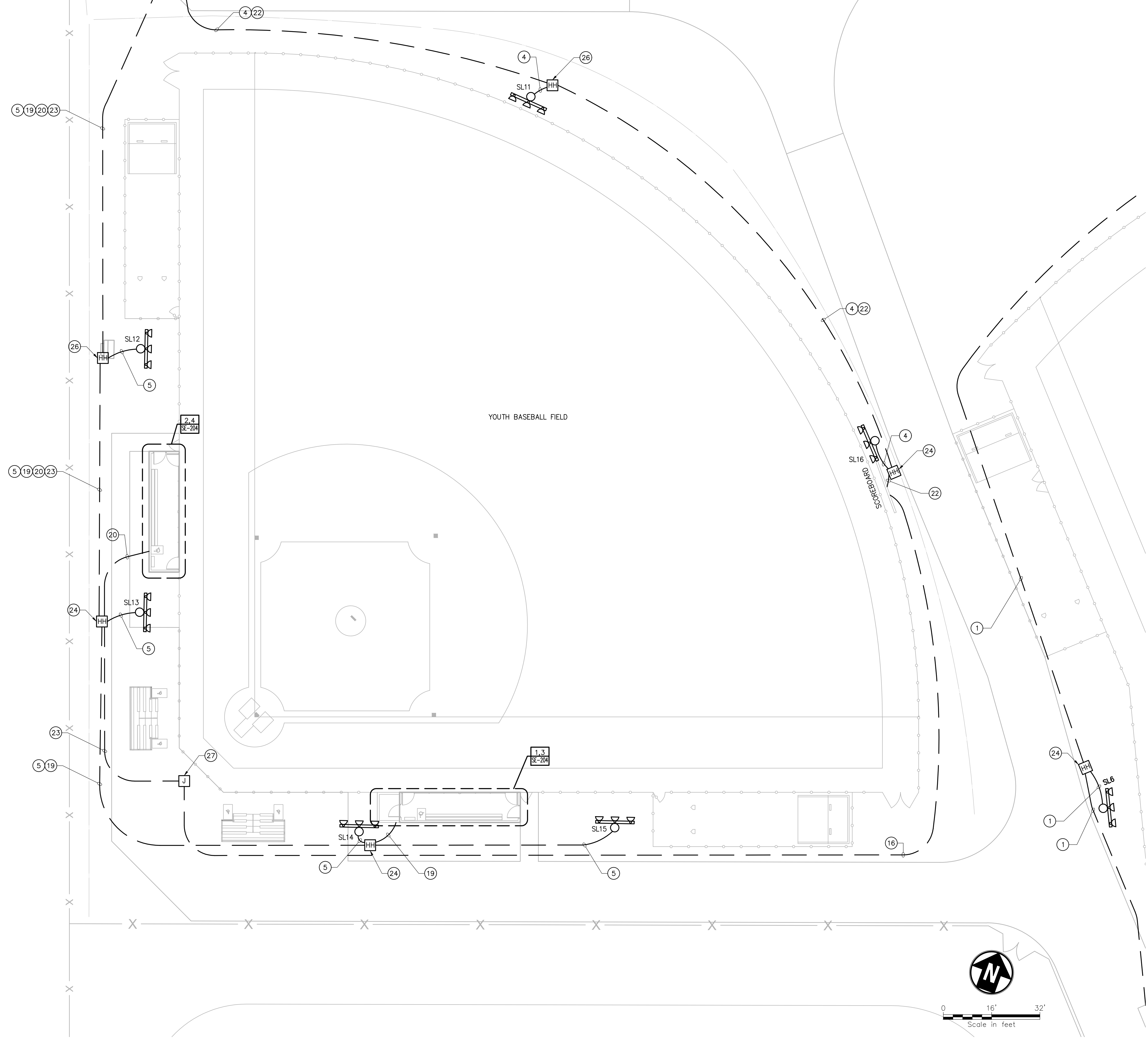
REVISIONS:

No.	Description	Date

PROJECT: 5201-192070
DATE: 10/09/2020
DRAWN BY: JRH
CHECKED BY: JJD

**BASEBALL FIELD
ELECTRICAL
PLAN**
SE-103

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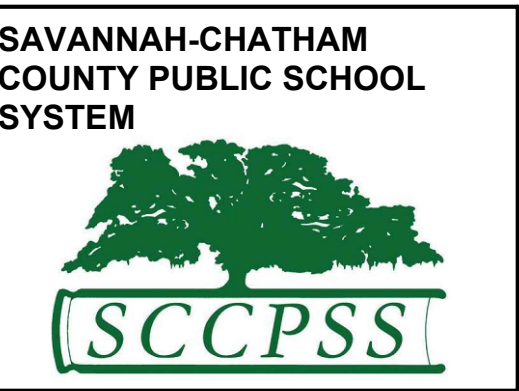
YOUTH BASEBALL FIELD ELECTRICAL SITE PLAN
SCALE: 1" = 16'

GENERAL NOTES

1. SPORT LIGHTING POLES "SL" ARE PROVIDED BY THE OWNER.
2. CONDUITS ARE RGS ABOVE GROUND, OR PVC TYPE 40 BELOW GROUND, UNLESS OTHERWISE NOTED.
3. CODED NOTES 4, 5, AND 26 TO BE BID AS "ADD ALTERNATE".

CODED NOTES

- ① PROVIDE (1) 1" CONDUIT WITH (3)#8 AND (1)#8G FOR LIGHT POLES SL5 AND SL6.
- ② NOTE NOT USED.
- ③ NOTE NOT USED.
- ④ PROVIDE (1) 1" CONDUIT WITH (3)#12 AND (1)#12G FOR LIGHT POLES SL11 AND SL16.
- ⑤ PROVIDE (1) 1" CONDUIT WITH (3)#12 AND (1)#12G FOR LIGHT POLES SL12, SL13, SL14, AND SL15.
- ⑥ NOTE NOT USED.
- ⑦ NOTE NOT USED.
- ⑧ NOTE NOT USED.
- ⑨ NOTE NOT USED.
- ⑩ NOTE NOT USED.
- ⑪ NOTE NOT USED.
- ⑫ NOTE NOT USED.
- ⑬ NOTE NOT USED.
- ⑭ NOTE NOT USED.
- ⑮ NOTE NOT USED.
- ⑯ PROVIDE (1) 1" CONDUIT FOR COMMUNICATION CABLE FOR YOUTH FIELD SCOREBOARD TO SCOREBENCH.
- ⑰ NOTE NOT USED.
- ⑱ NOTE NOT USED.
- ⑲ PROVIDE (1) 1" CONDUIT FOR POWER AND LIGHTING OF YOUTH FIELD HOME SIDE DUGOUTS. SEE DETAIL 1,3 ON SHEET SE-204 FOR WIRE SIZE REQUIREMENTS.
- ⑳ PROVIDE (1) 1" CONDUIT FOR POWER AND LIGHTING OF YOUTH FIELD VISITOR SIDE DUGOUTS. SEE DETAIL 2,4 ON SHEET SE-204 FOR WIRE SIZE REQUIREMENTS.
- ㉑ NOTE NOT USED.
- ㉒ PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR YOUTH FIELD SCOREBOARD POWER.
- ㉓ PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR RECEPT AT SCORING BENCH
- ㉔ PROVIDE HANDHOLE, SEE DETAIL 2 ON SHEET SE-605.
- ㉕ NOTE NOT USED.
- ㉖ PROVIDE HANDHOLE, SEE DETAIL 2 ON SHEET SE-605.
- ㉗ PROVIDE JUNCTION BOX FOR SCORING BENCH TO CONTAIN SCOREBOARD COMMUNICATION AND RECEPTACLES.



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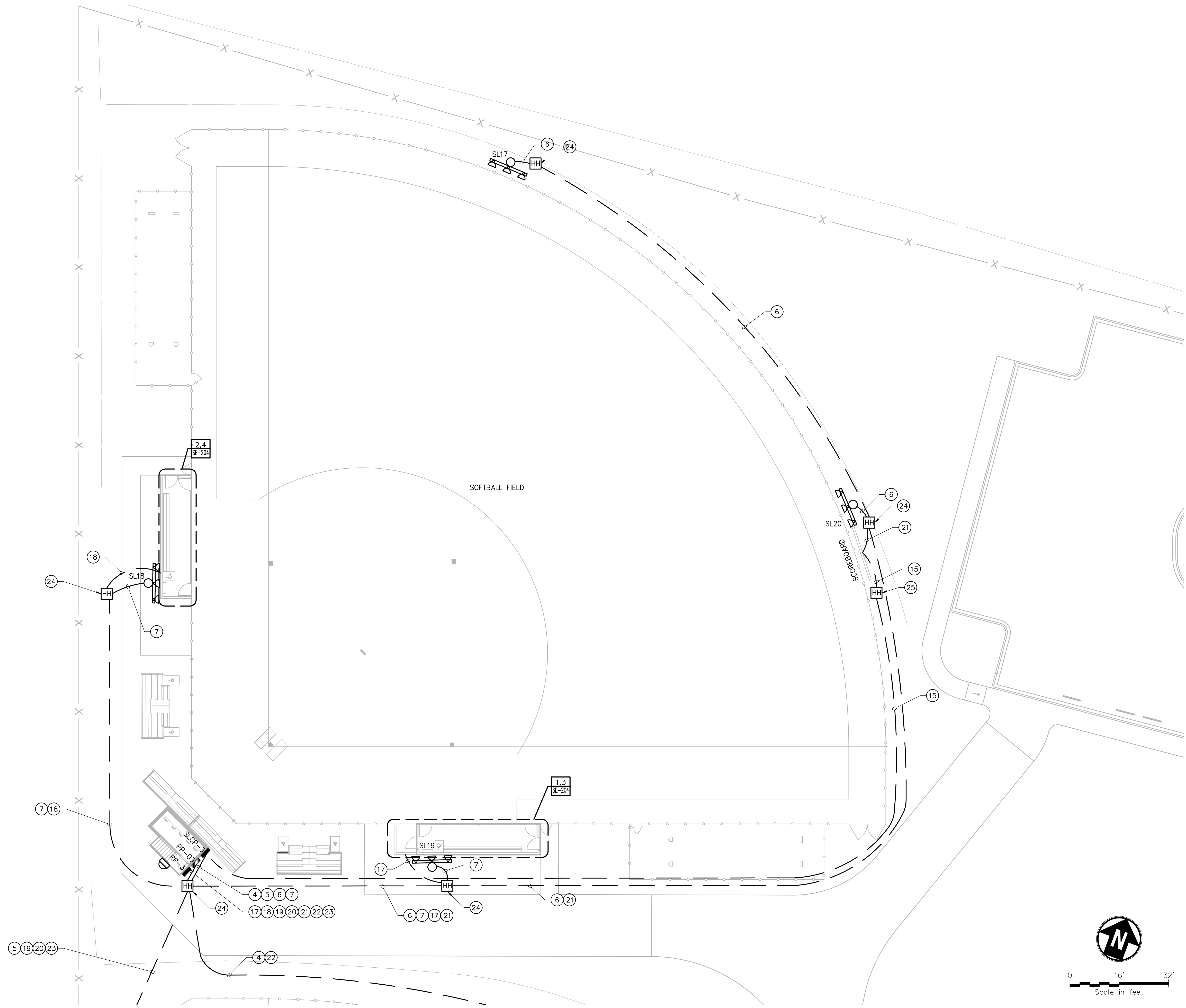
REVISIONS:

No.	Description	Date

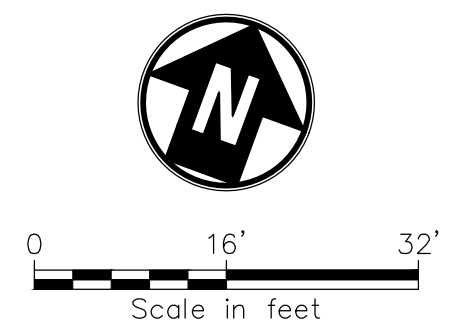
PROJECT: 5201-192070
DATE: 10/09/2020
DRAWN BY: JRH
CHECKED BY: JUD

**YOUTH FIELD
ELECTRICAL
PLAN**
SE-104

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SOFTBALL FIELD ELECTRICAL SITE PLAN
SCALE: 1" = 16'

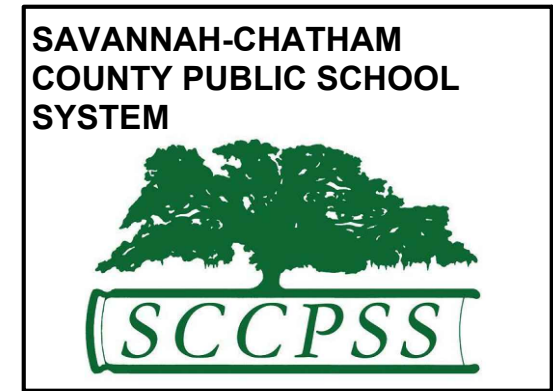


GENERAL NOTES

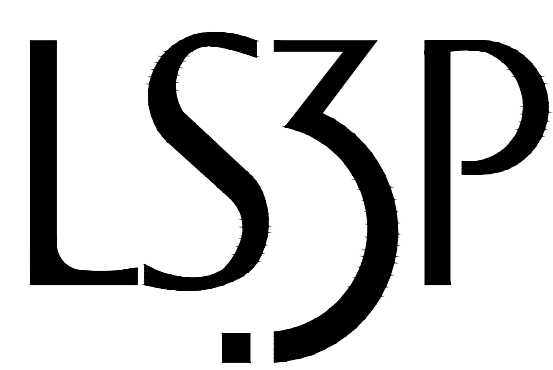
1. SPORT LIGHTING POLES "SL" ARE PROVIDED BY THE OWNER.
2. CONDUITS ARE RGS ABOVE GROUND, OR PVC TYPE 40 BELOW GROUND, UNLESS OTHERWISE NOTED.
3. CODED NOTES 4 AND 5 TO BE BID AS "ADD ALTERNATE".

CODED NOTES

- ① NOTE NOT USED.
- ② NOTE NOT USED.
- ③ NOTE NOT USED.
- ④ PROVIDE (1) 1" CONDUIT WITH (3)#12 AND (1)#12G FOR LIGHT POLES SL11 AND SL16.
- ⑤ PROVIDE (1) 1" CONDUIT WITH (3)#12 AND (1)#12G FOR LIGHT POLES SL12, SL13, SL14, AND SL15.
- ⑥ PROVIDE (1) 1" CONDUIT WITH (3)#12 AND (1)#12G FOR LIGHT POLES SL17 AND SL20.
- ⑦ PROVIDE (1) 1" CONDUIT WITH (3)#12 AND (1)#12G FOR LIGHT POLES SL18 AND SL19.
- ⑧ NOTE NOT USED.
- ⑨ NOTE NOT USED.
- ⑩ NOTE NOT USED.
- ⑪ NOTE NOT USED.
- ⑫ NOTE NOT USED.
- ⑬ NOTE NOT USED.
- ⑭ NOTE NOT USED.
- ⑮ PROVIDE (1) 1" CONDUIT FOR COMMUNICATION CABLE FOR SOFTBALL FIELD SCOREBOARD TO PRESSBOX.
- ⑯ NOTE NOT USED.
- ⑰ PROVIDE (1) 1" CONDUIT FOR POWER AND LIGHTING OF HOME SIDE DUGOUTS. SEE DETAIL 1,3 ON SHEET SE-204 FOR WIRE SIZE REQUIREMENTS.
- ⑱ PROVIDE (1) 1" CONDUIT FOR POWER AND LIGHTING OF VISITOR SIDE DUGOUTS. SEE DETAIL 2,4 ON SHEET SE-204 FOR WIRE SIZE REQUIREMENTS.
- ⑲ PROVIDE (1) 1" CONDUIT FOR POWER AND LIGHTING OF YOUTH FIELD HOME SIDE DUGOUTS. SEE DETAIL 1,3 ON SHEET SE-204 FOR WIRE SIZE REQUIREMENTS.
- ⑳ PROVIDE (1) 1" CONDUIT FOR POWER AND LIGHTING OF YOUTH FIELD VISITOR SIDE DUGOUTS. SEE DETAIL 2,4 ON SHEET SE-204 FOR WIRE SIZE REQUIREMENTS.
- ㉑ PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR SCOREBOARD POWER.
- ㉒ PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR YOUTH FIELD SCOREBOARD POWER.
- ㉓ PROVIDE (1) 1" CONDUIT WITH (2)#8 AND (1)#8G FOR RECEPT AT SCORING BENCH.
- ㉔ PROVIDE HANDHOLE, SEE DETAIL 2 ON SHEET SE-605.
- ㉕ PROVIDE HANDHOLE, SEE DETAIL 3 ON SHEET SE-605.
- ㉖ NOTE NOT USED.



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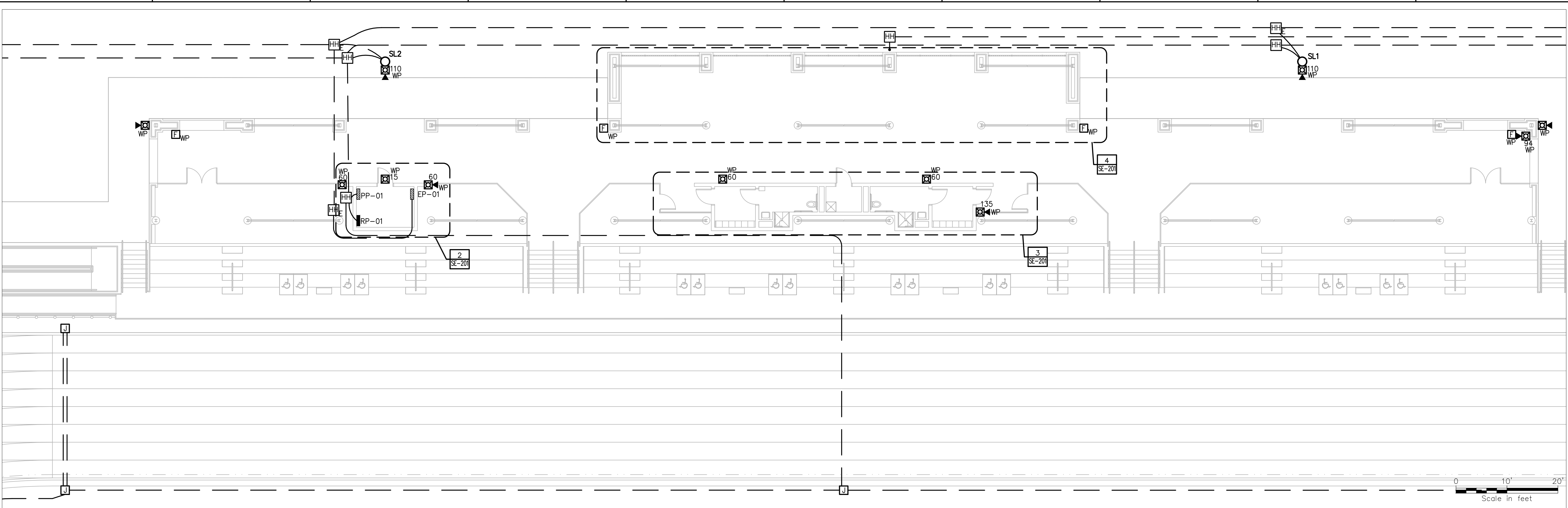
SOFTBALL FIELD
ELECTRICAL
PLAN
SE-105

REVISIONS:

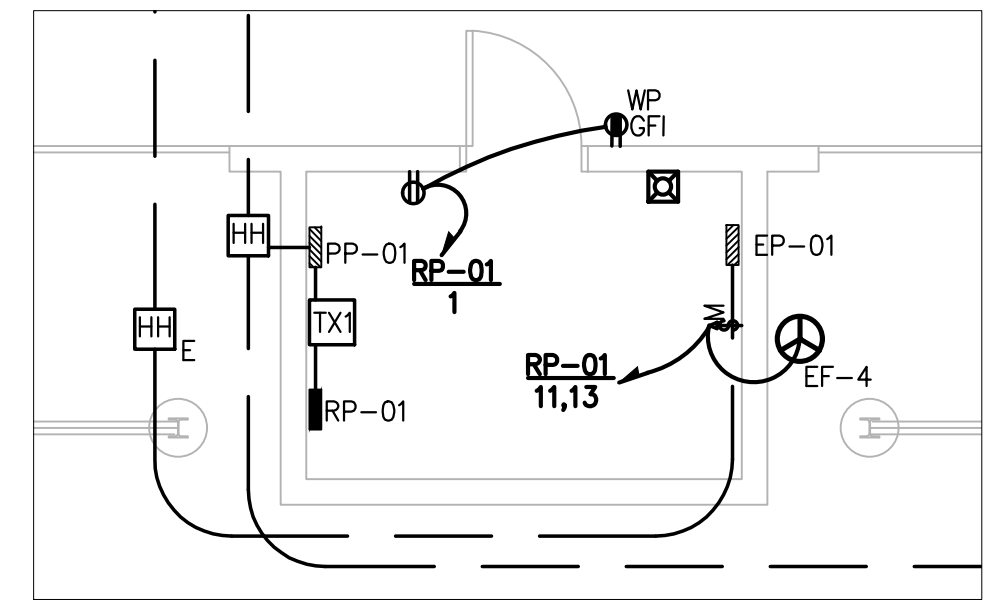
No.	Description	Date

PROJECT: 5201-192070
 DATE: 10/09/2020
 DRAWN BY: JRH
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HOME SIDE GRANDSTANDS ELEC AND SYS PLAN
SE-201



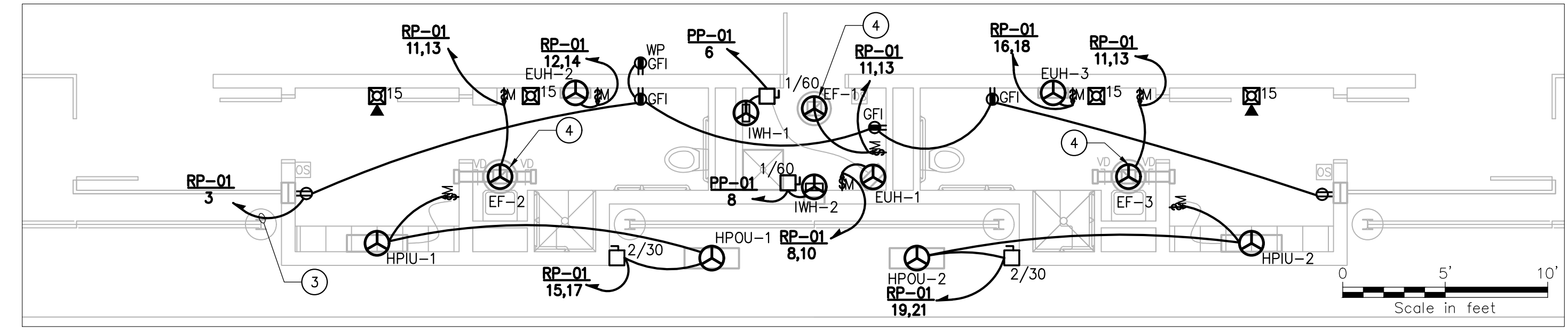
1 HOME SIDE GRANDSTANDS ELECTRICAL AND SYSTEM PLAN
 SE-201 SCALE: 1" = 10'



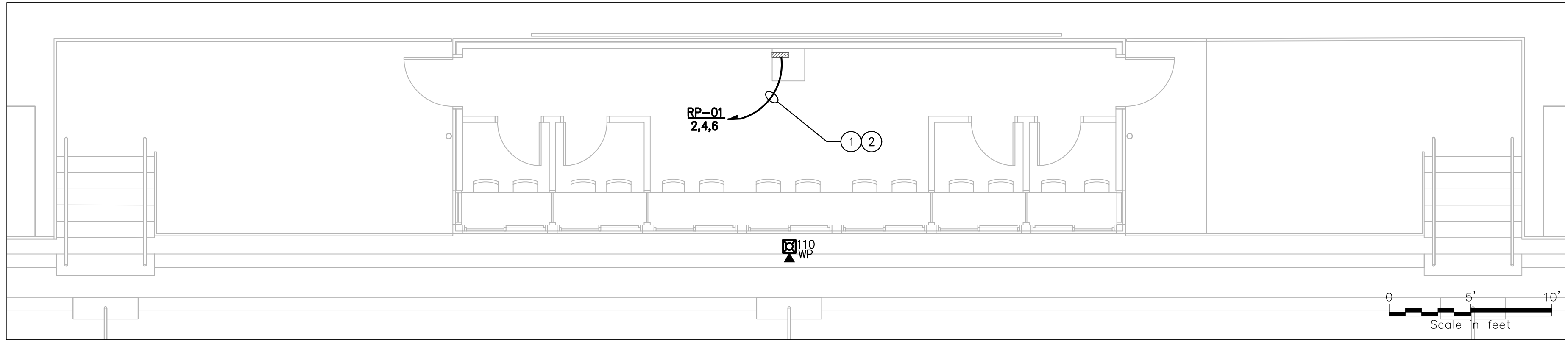
2 ENLARGED ELECTRICAL AND SYSTEMS PLAN
 SE-201 SCALE: 1" = 5'

- GENERAL NOTES**
1. CONDUITS ARE RGS ABOVE GROUND, OR PVC TYPE 40 BELOW GROUND, UNLESS OTHERWISE NOTED.
 2. CONDUITS ARE SIZED AT 1" FOR CIRCUITS SHOWN IN DETAILS 2 & 3 UNLESS OTHERWISE NOTED.
 3. MECHANICAL EQUIPMENT WIRE QTY AND SIZES ARE SHOWN ON MECHANICAL EQUIPMENT SCHEDULE ON SE-604
 4. PROVIDE FIRE ALARM WIRING TO FIELD HOUSE FACP. SEE FIELD HOUSE DRAWINGS FOR ADDITIONAL INFORMATION.

- CODED NOTES**
- 1 2" RGS CONDUIT WITH (4) #1 AND (1) #8G FROM PANEL RP-01 TO PRESSBOX PANELBOARD
 - 2 2" RGS CONDUIT FOR COMMUNICATIONS FROM ELECTRICAL ROOM TO PRESSBOX
 - 3 (2) #10 AND (1) #10G FROM PANEL RP-01 FOR RECEPTACLES.
 - 4 PROVIDE WIRING TO OCCUPANCY SENSOR.



3 ENLARGED ELECTRICAL AND SYSTEMS PLAN
 SE-201 SCALE: 1" = 5'

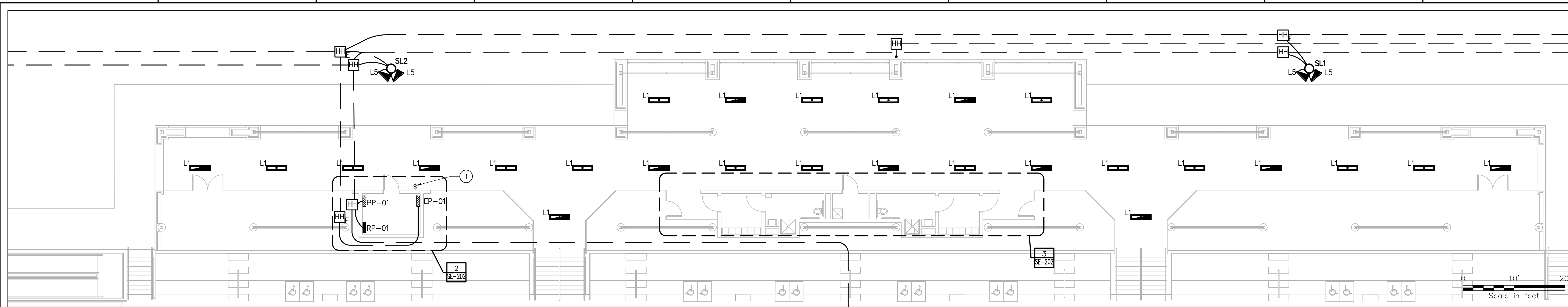


4 ENLARGED PRESS BOX ELECTRICAL AND SYSTEMS PLAN
 SE-201 SCALE: 1" = 5'

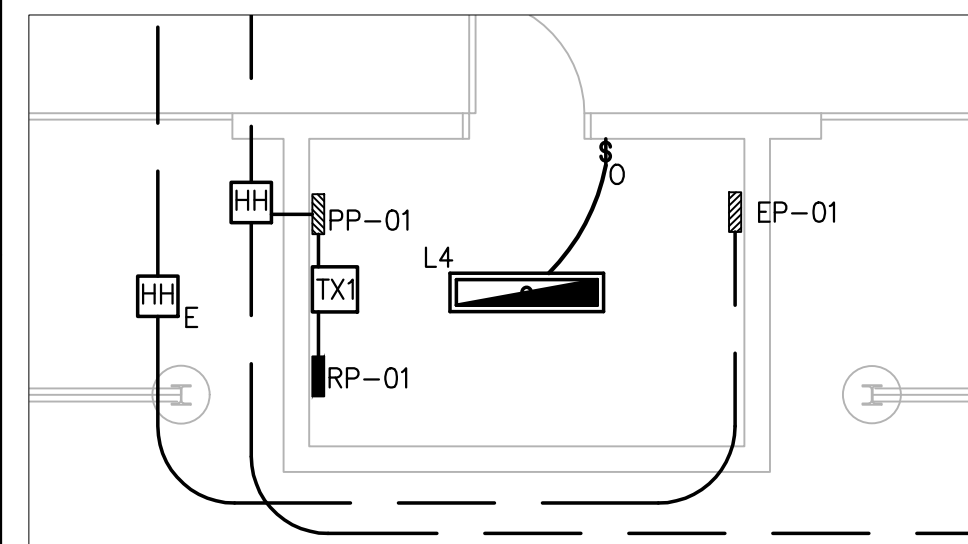
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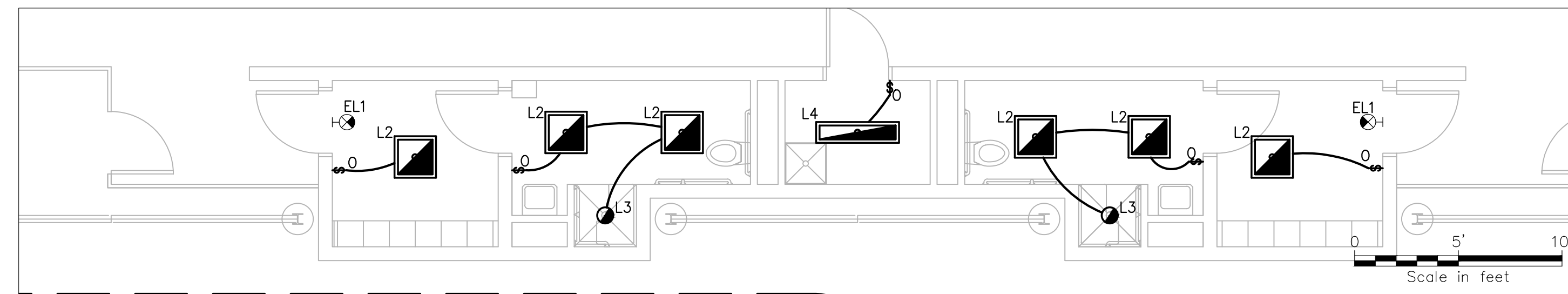
1 HOME SIDE GRANDSTANDS LIGHTING PLAN
SE-202 SCALE: 1" = 10'



2 ENLARGED LIGHTING PLAN
SE-202 SCALE: 1" = 5'

CODED NOTES

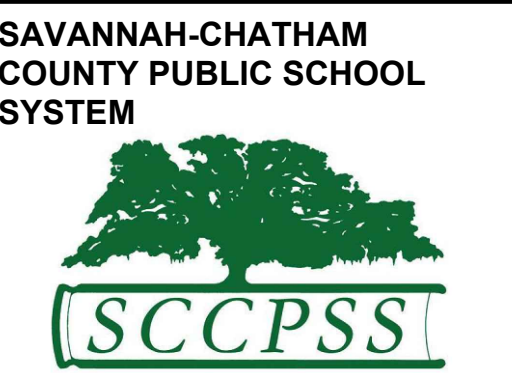
- ① KEYED SWITCH CONTROLS LIGHTS L1 SHOWN IN DETAIL 1.



3 ENLARGED LIGHTING PLAN
SE-202 SCALE: 1" = 5'

GENERAL NOTES

1. WIRE ALL NORMAL LIGHTS SHOWN ON DETAIL 1 TO PANEL PP-01 CIRCUIT 2.
2. WIRE EMERGENCY LIGHTS "L1" SHOWN ON DETAIL 1 TO PANEL EP-01 CIRCUIT 1.
3. WIRE ALL EMERGENCY LIGHTS SHOWN ON DETAIL 2 TO PANEL EP-01 CIRCUIT 2.
4. WIRE ALL EMERGENCY LIGHTS SHOWN ON DETAIL 3 TO PANEL EP-01 CIRCUIT 2.
5. WIRE EMERGENCY LIGHTS "L5" SHOWN ON DETAIL 1 TO PANEL EP-01 CIRCUIT 3.

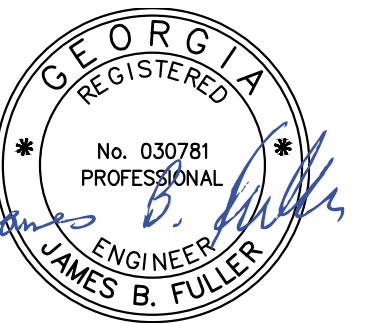


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DATE: 10/09/2020
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**HOME SIDE
GRANDSTANDS
LIGHTING PLAN**
SE-202

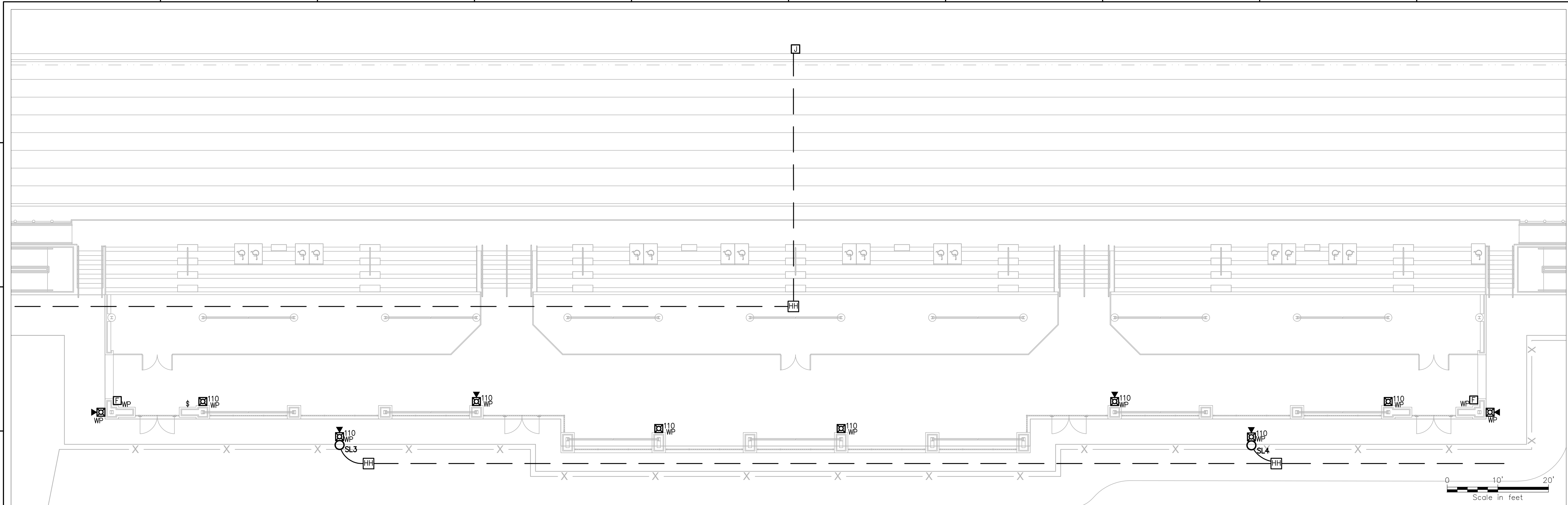


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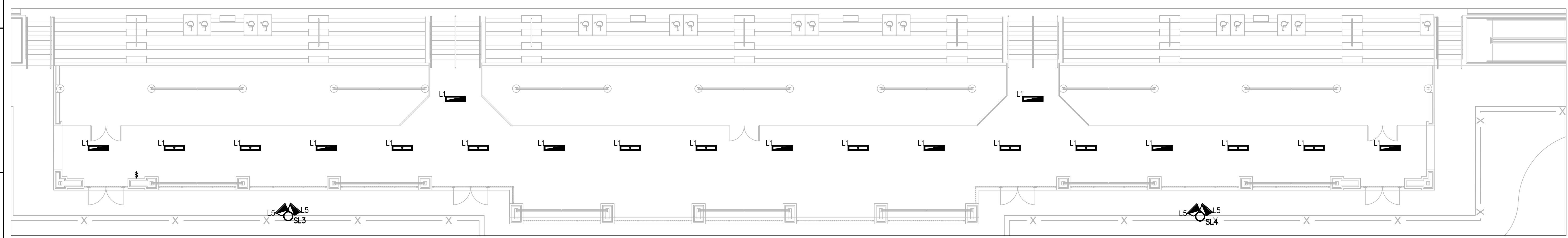
No.	Description	Date

PROJECT: 5201-192070
DATE: 10/09/2020
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VISITOR SIDE
GRANDSTANDS
ELEC, LGT, & SYS
PLAN
SE-203



1 VISITOR SIDE GRANDSTANDS ELECTRICAL & SYSTEMS PLAN
SE-203 SCALE: 1" = 10'



2 VISITOR SIDE GRANDSTANDS LIGHTING PLAN
SE-203 SCALE: 1" = 10'

GENERAL NOTES

1. WIRE ALL NORMAL LIGHTS SHOWN ON DETAIL 1 TO POWER PANEL IN VISITOR CONCESSION BUILDING. SEE FIELD HOUSE DRAWINGS FOR ADDITIONAL INFORMATION.
2. WIRE ALL EMERGENCY LIGHTS SHOWN ON DETAIL 1 TO EMERGENCY POWER PANEL IN VISITOR CONCESSION BUILDING. SEE FIELD HOUSE DRAWINGS FOR ADDITIONAL INFORMATION.
3. PROVIDE FIRE ALARM WIRING TO FIELD HOUSE FACP. SEE FIELD HOUSE DRAWINGS FOR ADDITIONAL INFORMATION.

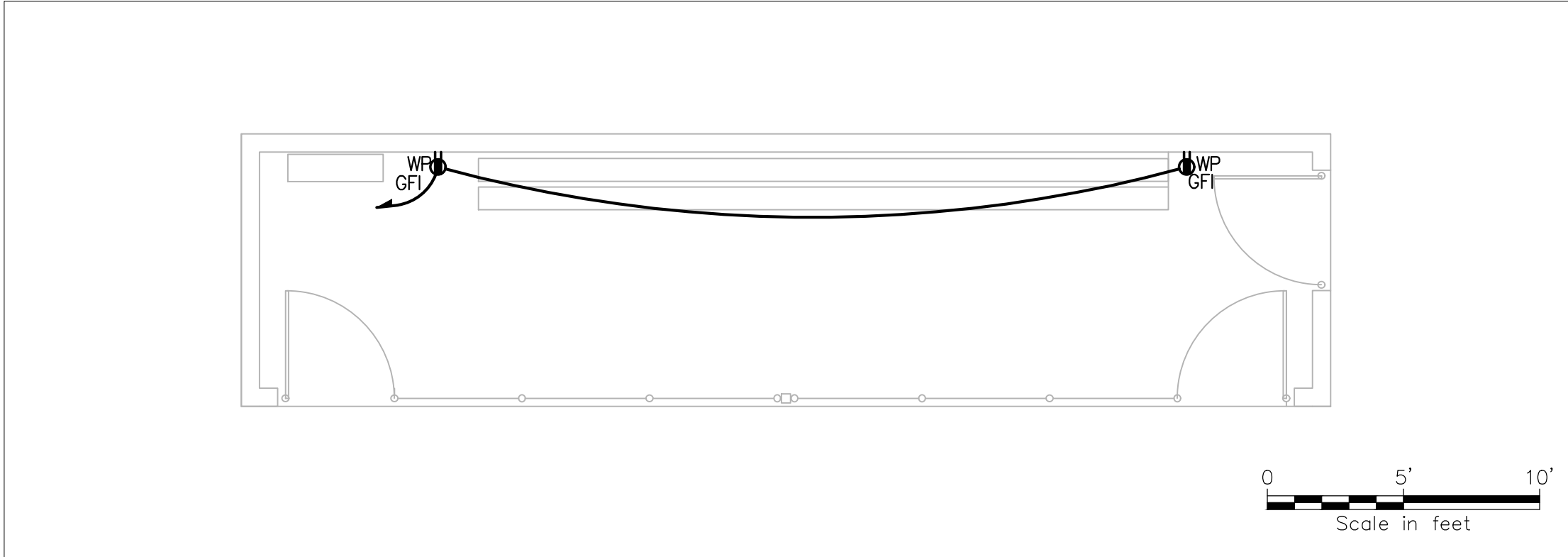
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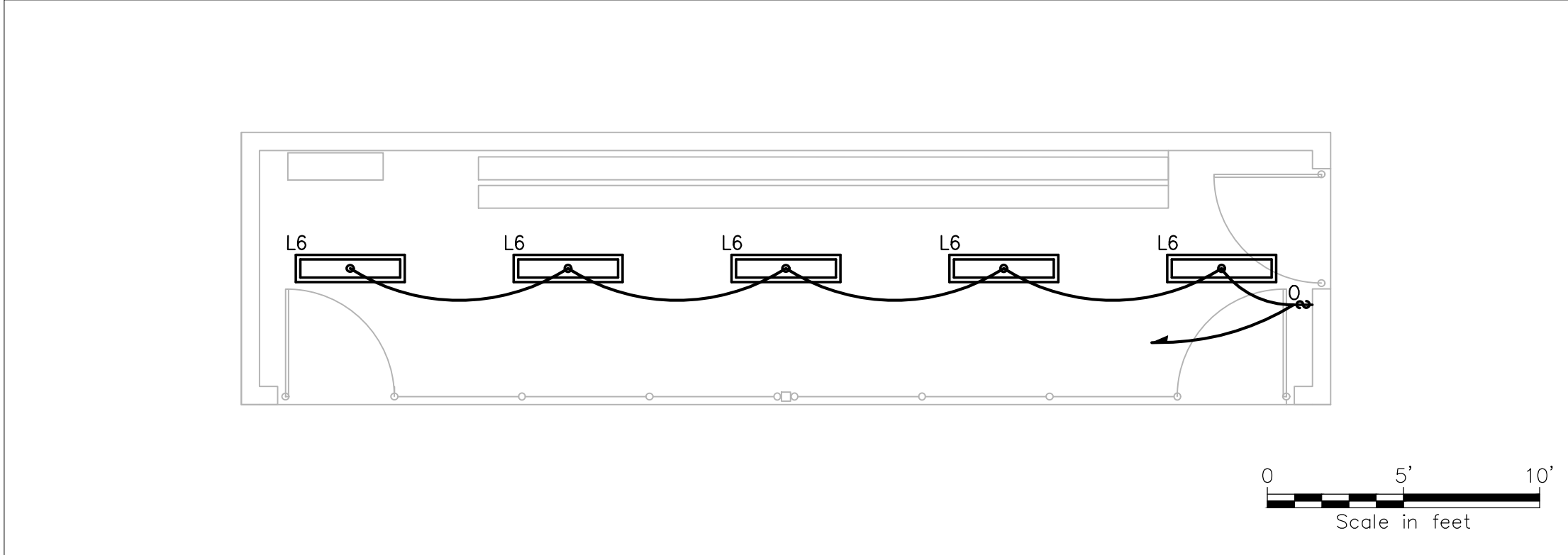
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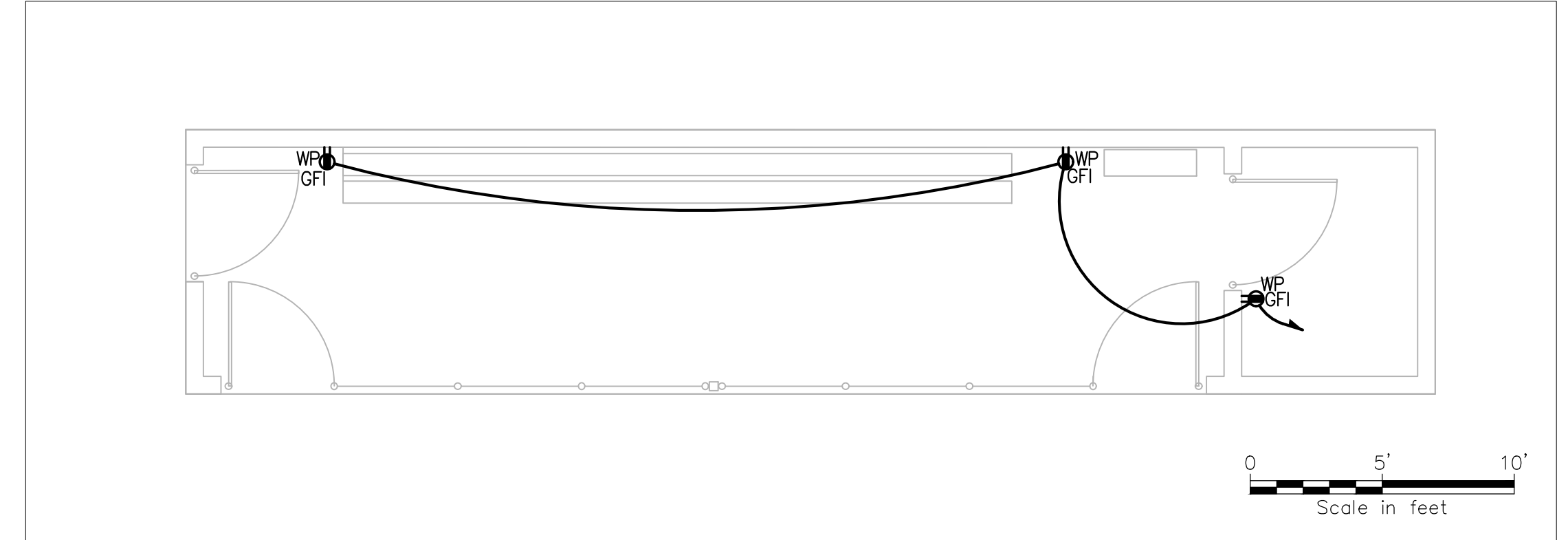
DUGOUT ELECTRICAL AND LIGHTING PLANS
SE-204



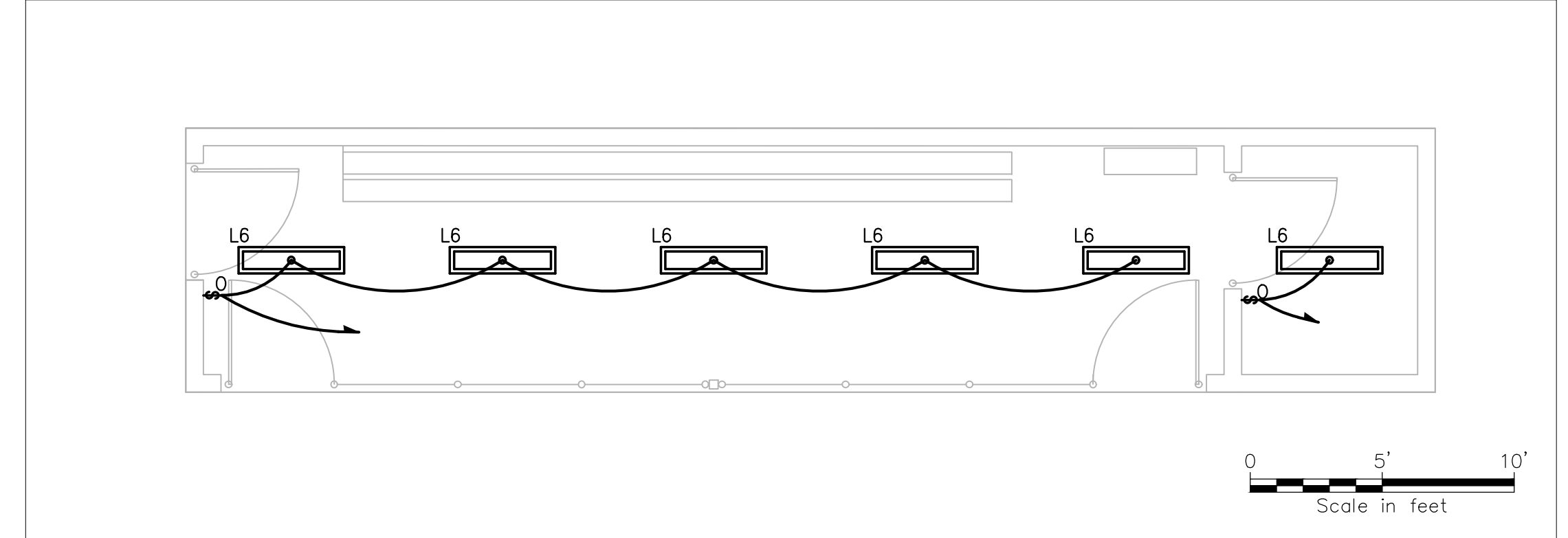
2 VISITOR SIDE DUGOUT ELECTRICAL PLAN
 SE-204 SCALE: 1" = 5'



4 VISITOR SIDE DUGOUT LIGHTING PLAN
 SE-204 SCALE: 1" = 5'



1 HOME SIDE DUGOUT ELECTRICAL PLAN
 SE-204 SCALE: 1" = 5'

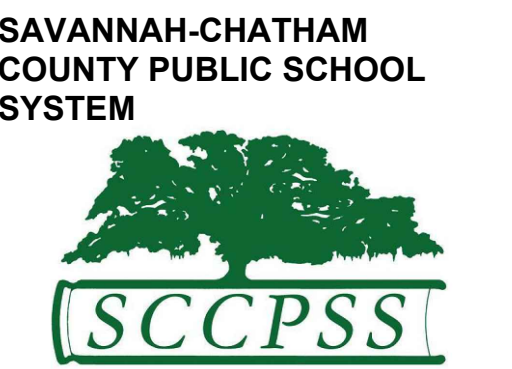
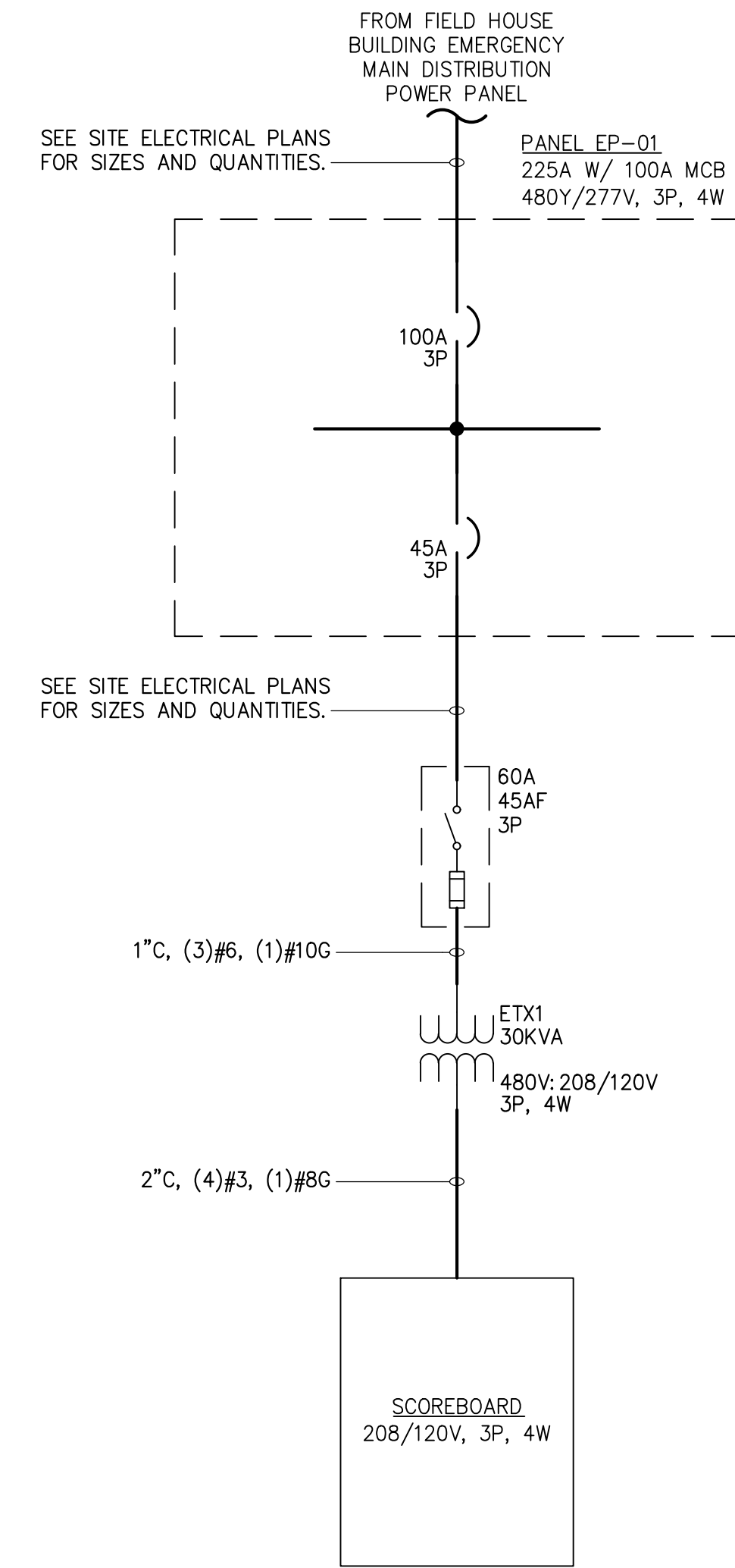
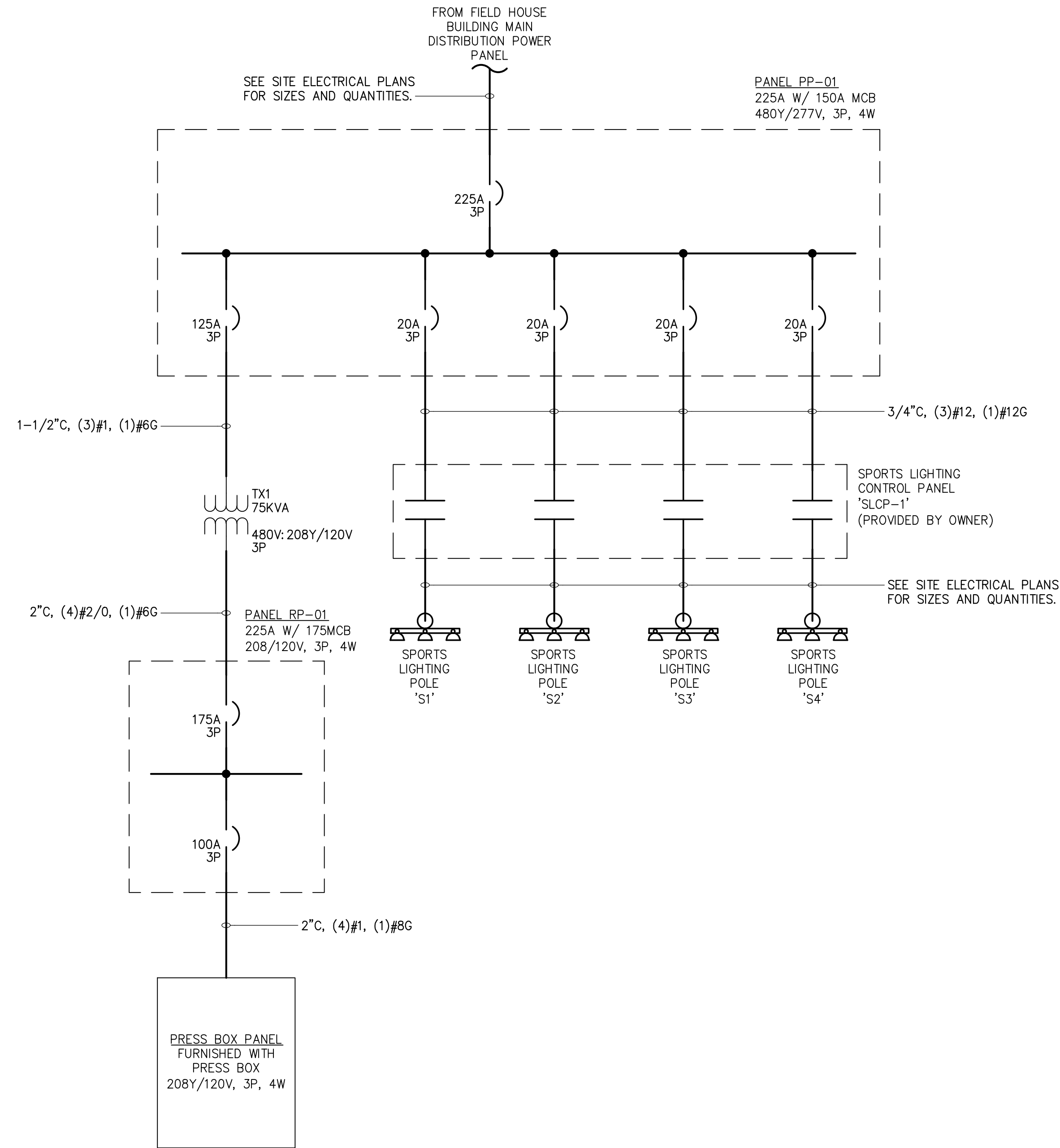


3 HOME SIDE DUGOUT LIGHTING PLAN
 SE-204 SCALE: 1" = 5'

WIRING SCHEDULE FOR DUGOUTS							
FIELD	DUGOUT	LIGHTING			POWER		
		PANEL	CIR.	WIRE	PANEL	CIR.	WIRE
BASEBALL	HOME	PP-02	21	(2)#12, (1)#12G	RP-01	1	(2)#12, (1)#12G
	VISITOR	PP-02	21	(2)#12, (1)#12G	RP-01	3	(2)#12, (1)#12G
SOFTBALL	HOME	PP-03	4	(2)#12, (1)#12G	RP-02	1	(2)#12, (1)#12G
	VISITOR	PP-03	4	(2)#12, (1)#12G	RP-02	3	(2)#12, (1)#12G
YOUTH FIELD	HOME	PP-03	6	(2)#12, (1)#12G	RP-02	2	(2)#8, (1)#10G
	VISITOR	PP-03	6	(2)#12, (1)#12G	RP-02	4	(2)#10, (1)#10G

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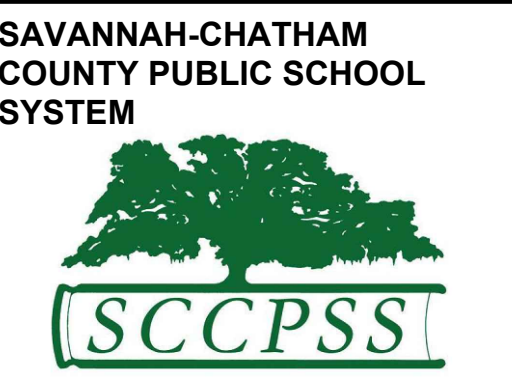
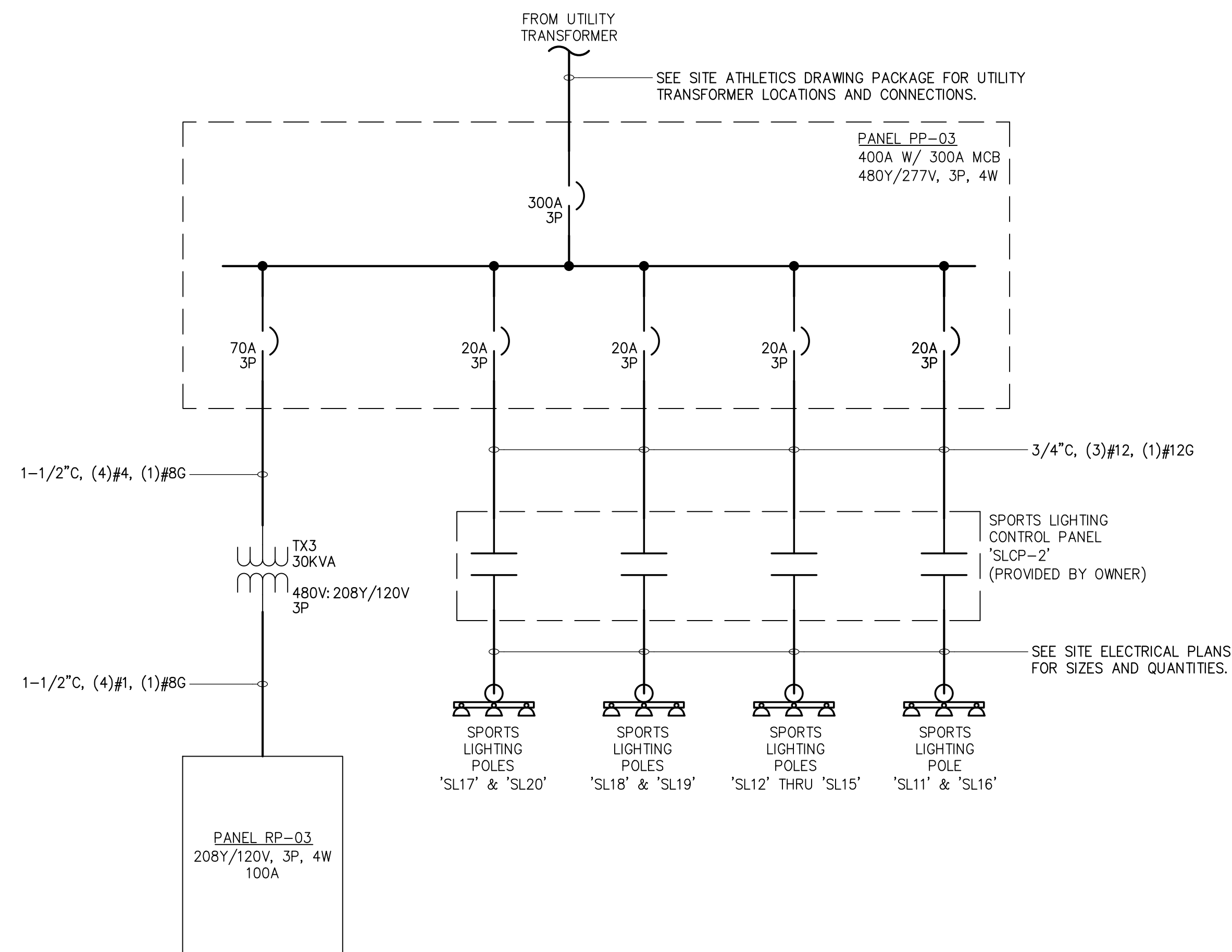
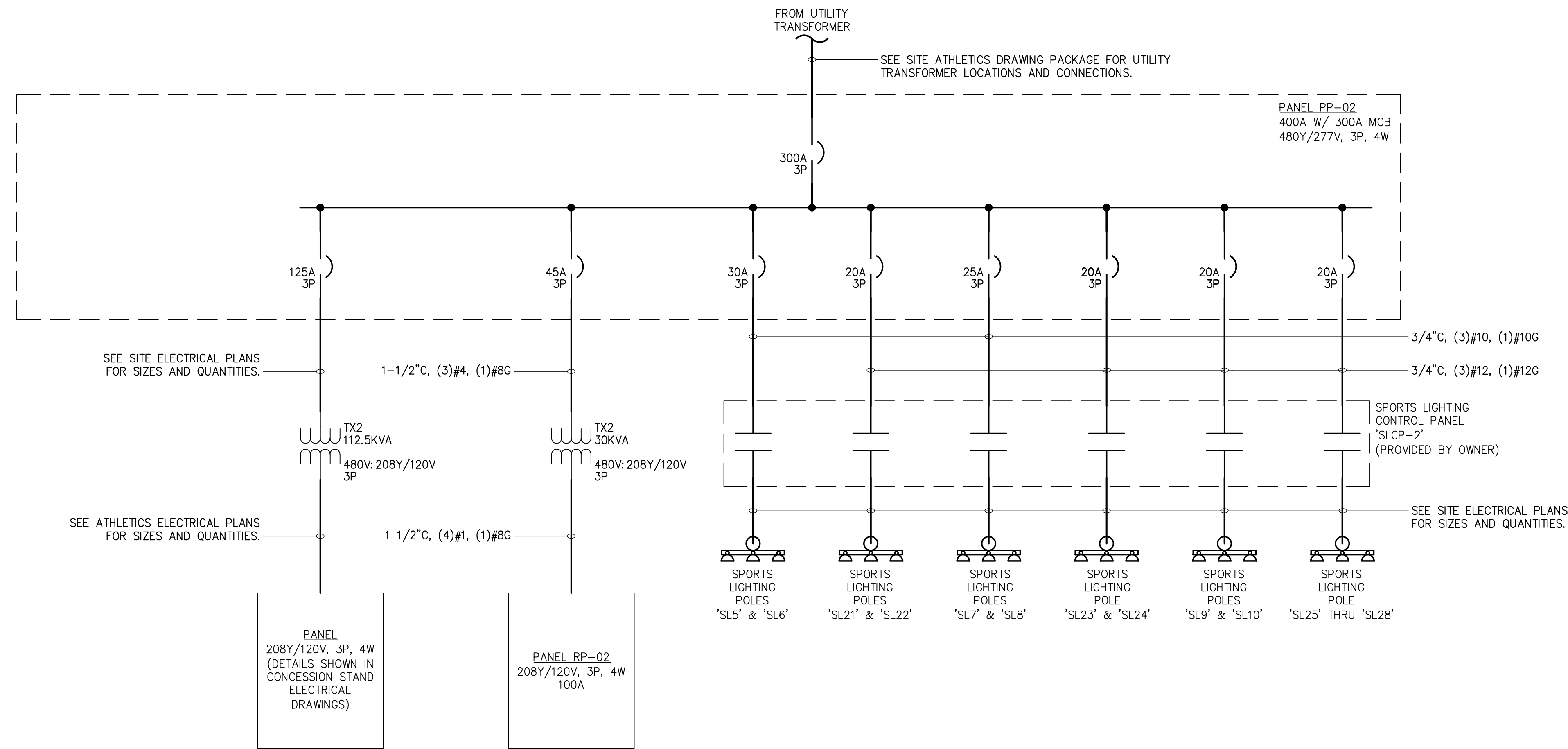
REVISIONS:

No.	Description	Date

PROJECT: 5201-192070
DATE: 10/09/2020
DRAWN BY: JRH
CHECKED BY: JJD

ELECTRICAL ONE-LINE DIAGRAM STADIUM
SE-601

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REVISIONS:

No.	Description	Date

PROJECT: 5201-192070
DATE: 10/09/2020
DRAWN BY: JRH
CHECKED BY: JJD

ELECTRICAL
ONE-LINE
DIAGRAM FIELDS
SE-602

V:\PROJECTS\ANY\K5\057159.000\CADD\ACAD\E-001 ELECTRICAL GENERAL NOTES.DWG

D

C

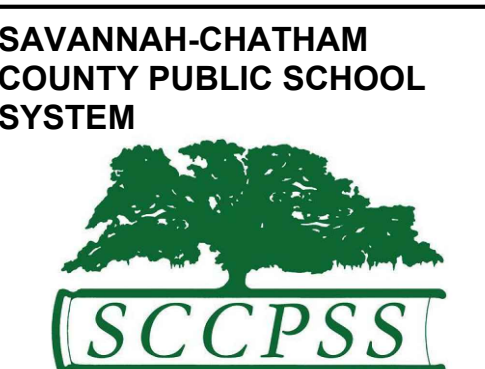
B

A

PANEL SCHEDULE: EP-01												
DESIGNATION: PANEL EP-01				MAIN: 100 AMP								
LOCATION: STADIUM ELECTRICAL ROOM				BUS RATING: 225 AMP								
VOLTAGE: 480/277 VOLTS				PANEL MOUNTING: SURFACE								
PHASE: 3 PHASE, 4 WIRE				AIC RATING: 42 KAIC								
CKT. NO.	LOAD DESCRIPTION	KVA	AMPS	POLE	A	B	C	AMPS	POLE	KVA	LOAD DESCRIPTION	CKT. NO.
1	HOME SIDE WALKWAY E-LIGHTING	0.74	20	1	0.92			20	1	0.19	HOME SIDE ROOM E-LIGHTING	2
3	HOME SIDE BLEACHER E-LIGHTING	0.81	20	1	0.81							4
5							0.00					6
7												8
9							0.00					10
11												12
13							0.00					14
15										0.00		16
17										0.00		18
19										5.44		20
21										5.44		22
23										5.44		24
TOTAL CONNECTED LOAD:					6.36	6.25	5.44	TOTAL =		18.06		

PANEL SCHEDULE: PP-01												
DESIGNATION: PANEL PP-01				MAIN: 150 AMP								
LOCATION: STADIUM ELECTRICAL ROOM				BUS RATING: 225 AMP								
VOLTAGE: 480/277 VOLTS				PANEL MOUNTING: SURFACE								
PHASE: 3 PHASE, 4 WIRE				AIC RATING: 42 KAIC								
CKT. NO.	LOAD DESCRIPTION	KVA	AMPS	POLE	A	B	C	AMPS	POLE	KVA	LOAD DESCRIPTION	CKT. NO.
1	SPORTS LIGHT POLE SL1	3.61	20	3	4.61			20	1	1.01	HOME SIDE BLEACHER LIGHTING	2
3		3.61	20	1	3.77			20	1	0.16	FLAG POLE LIGHTING	4
5		3.61	20	1			13.61	50	1	10.00	IWH-1	6
7		3.61	20	1				50	1	10.00	IWH-2	8
9	SPORTS LIGHT POLE SL2	3.61	20	3	3.61						SPACE	10
11		3.61	20	1			3.61				SPACE	12
13		3.61	20	1	3.61						SPACE	14
15	SPORTS LIGHT POLE SL3	3.61	20	3			3.61				SPACE	16
17		3.61	20	1				3.61			SPACE	18
19		3.61	20	1	13.56					9.95		20
21		3.61	20	1						11.74	TRANSFORMER X1 (75KVA) - RP-01	22
23		3.61	20	1						10.83		24
TOTAL CONNECTED LOAD:					35.39	26.33	35.26	TOTAL =		96.98		

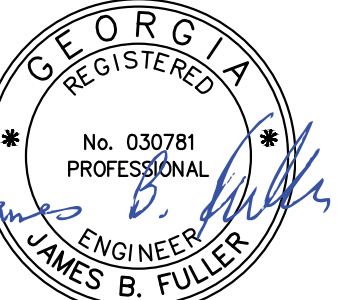
PANEL SCHEDULE: RP-01												
DESIGNATION: PANEL RP-01				MAIN: 225 AMP								
LOCATION: STADIUM ELECTRICAL ROOM				BUS RATING: 225 AMP								
VOLTAGE: 208/120 VOLTS				PANEL MOUNTING: SURFACE								
PHASE: 3 PHASE, 4 WIRE				AIC RATING: 10 KAIC								
CKT. NO.	LOAD DESCRIPTION	KVA	AMPS	POLE	A	B	C	AMPS	POLE	KVA	LOAD DESCRIPTION	CKT. NO.
1	RECT. ELEC ROOM	0.36	20	1	5.80					5.44		2
3	RECT. OFFICIAL ROOM	1.08	20	1	6.52					5.44	PRESS BOX PANELBOARD	4
5	RECT. FIELD	1.92	20	1			7.36			5.44		6
7	PLAY CLOCK NORTH	0.18	20	1	1.68					1.50	EUH-1	8
9	PLAY CLOCK SOUTH	0.18	20	1	1.68					1.50		10
11	EF-1, EF-2, EF-4, EF-4	0.20	15	2			1.20			1.00	EUH-2	12
13		0.20	15	2	1.20					1.00		14
15		1.27	15	2			2.27			1.00	EUH-3	16
17	HPIU-1, HPOU-1	1.27	15	2			2.27			1.00		18
19		1.27	20	2	1.27						SPACE	20
21	HPIU-2, HPOU-2	1.27	20	2			1.27				SPACE	22
23		1.27	20	2							SPACE	24
25	SPACE				0.00						SPACE	26
27	SPACE				0.00						SPACE	28
29	SPACE						0.00				SPACE	30
31	SPACE				0.00						SPACE	32
33	SPACE						0.00				SPACE	34
35	SPACE						0.00				SPACE	36
TOTAL CONNECTED LOAD:					9.95	11.74	10.83	TOTAL =		32.51		



RFP C24-01 Groves Athletic Field & Fieldhouse



321 WEST CONGRESS STREET SUITE 301
SAVANNAH, GEORGIA 31401
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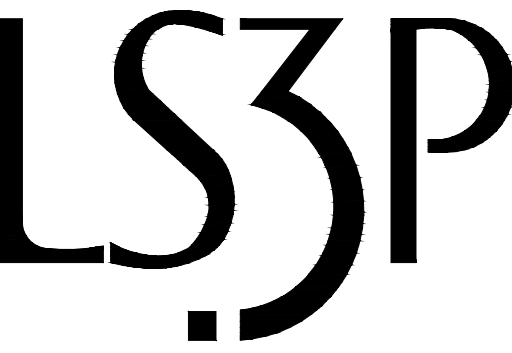
No.	Description	Date

PROJECT: 5201-192070
DATE: 10/09/2020
DRAWN BY: JRH
CHECKED BY: JJD

PANELBOARD SCHEDULES
SE-603



RFP C24-01 Groves Athletic Field & Fieldhouse

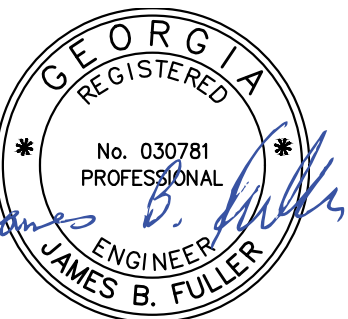


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REVISIONS:

No.	Description	Date

PROJECT: 5201-192070
DATE: 10/09/2020
DRAWN BY: JRH
CHECKED BY: JUD

LIGHTING AND MECHANICAL SCHEDULES

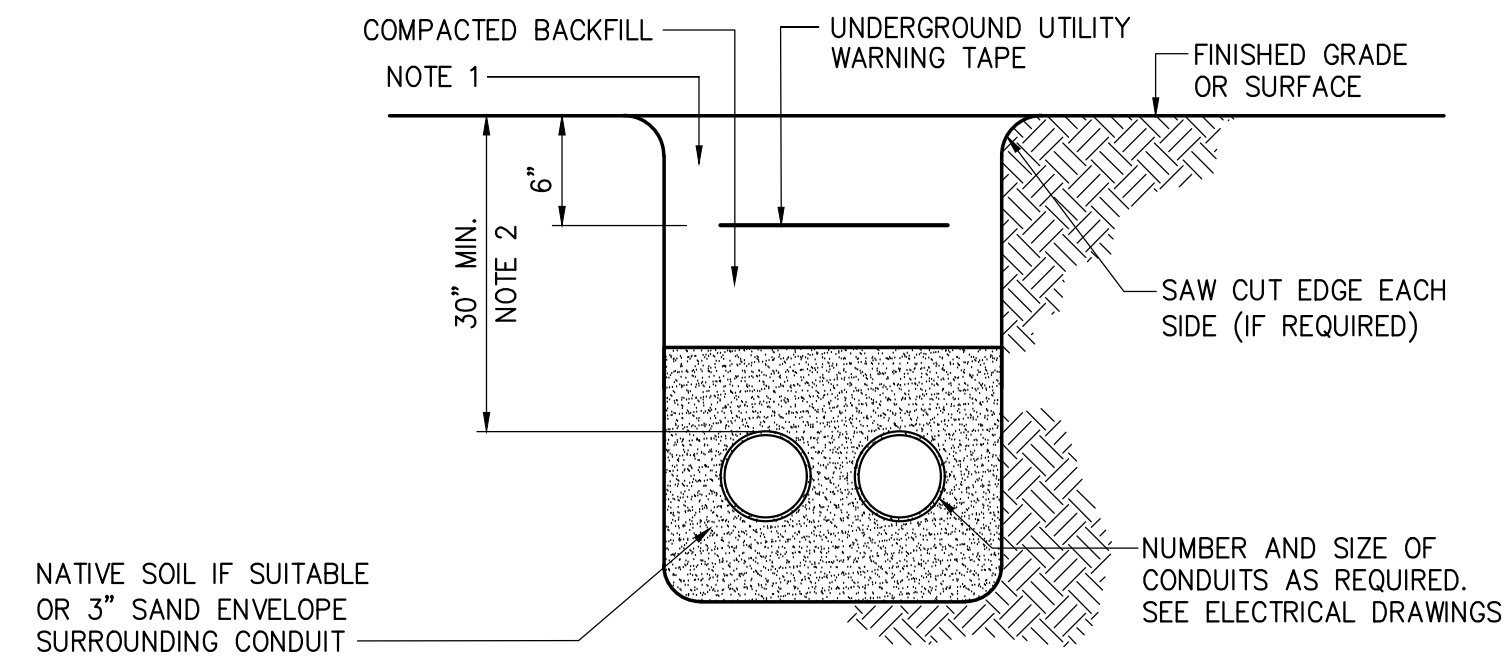
SE-604

SPORTS LIGHTING EQUIPMENT SCHEDULE							
TAG	DESCRIPTION	MOUNTING	VOLTS	TOTAL WATTS	MANUFACTURER	CATALOG NUMBER	COMMENTS
SL1	EPHESUS LUMASPORT 8	90' POLE MOUNTED	480V	15.56 kW	COOPER LIGHTING	(9) EPH-LS-08-0640L-57-70-2S (10) EPH-LS-08-0640L-57-70-70	
SL2	EPHESUS LUMASPORT 8	90' POLE MOUNTED	480V	15.56 kW	COOPER LIGHTING	(9) EPH-LS-08-0640L-57-70-2S (10) EPH-LS-08-0640L-57-70-70	
SL3	EPHESUS LUMASPORT 8	90' POLE MOUNTED	480V	15.56 kW	COOPER LIGHTING	(9) EPH-LS-08-0640L-57-70-2S (10) EPH-LS-08-0640L-57-70-70	
SL4	EPHESUS LUMASPORT 8	90' POLE MOUNTED	480V	15.56 kW	COOPER LIGHTING	(9) EPH-LS-08-0640L-57-70-2S (10) EPH-LS-08-0640L-57-70-70	
SL5	EPHESUS LUMASPORT 8	70' POLE MOUNTED	480V	8.84 kW	COOPER LIGHTING	(2) EPH-LS-08-0640L-57-70-1S (2) EPH-LS-08-0640L-57-70-2S (6) EPH-LS-08-0640L-57-70-3S (2) EPH-LS-08-0640L-57-70-4S (1) EPH-LS-08-0640L-57-70-5S	
SL6	EPHESUS LUMASPORT 8	70' POLE MOUNTED	480V	8.15 kW	COOPER LIGHTING	(1) EPH-LS-08-0640L-57-70-1S (2) EPH-LS-08-0640L-57-70-2S (8) EPH-LS-08-0640L-57-70-3S (1) EPH-LS-08-0640L-57-70-5S	
SL7	EPHESUS LUMASPORT 8	70' POLE MOUNTED	480V	7.44 kW	COOPER LIGHTING	(4) EPH-LS-08-0640L-57-70-2S (7) EPH-LS-08-0640L-57-70-3S	
SL8	EPHESUS LUMASPORT 8	70' POLE MOUNTED	480V	7.44 kW	COOPER LIGHTING	(4) EPH-LS-08-0640L-57-70-2S (7) EPH-LS-08-0640L-57-70-3S	
SL9	EPHESUS LUMASPORT 8	70' POLE MOUNTED	480V	8.15 kW	COOPER LIGHTING	(1) EPH-LS-08-0640L-57-70-1S (2) EPH-LS-08-0640L-57-70-2S (8) EPH-LS-08-0640L-57-70-3S (1) EPH-LS-08-0640L-57-70-5S	
SL10	EPHESUS LUMASPORT 8	70' POLE MOUNTED	480V	8.84 kW	COOPER LIGHTING	(2) EPH-LS-08-0640L-57-70-1S (2) EPH-LS-08-0640L-57-70-2S (6) EPH-LS-08-0640L-57-70-3S (2) EPH-LS-08-0640L-57-70-4S (1) EPH-LS-08-0640L-57-70-5S	
SL11	EPHESUS LUMASPORT 8	60' POLE MOUNTED	480V	2.71 kW	COOPER LIGHTING	(1) EPH-LS-08-0640L-57-70-2S (3) EPH-LS-08-0640L-57-70-3S	
SL12	EPHESUS LUMASPORT 8	60' POLE MOUNTED	480V	2.71 kW	COOPER LIGHTING	(1) EPH-LS-08-0640L-57-70-2S (3) EPH-LS-08-0640L-57-70-3S	
SL13	EPHESUS LUMASPORT 8	60' POLE MOUNTED	480V	2.72 kW	COOPER LIGHTING	(2) EPH-LS-08-0640L-57-70-3S (1) EPH-LS-08-0640L-57-70-4S (1) EPH-LS-08-0640L-57-70-5S	
SL14	EPHESUS LUMASPORT 8	60' POLE MOUNTED	480V	2.72 kW	COOPER LIGHTING	(2) EPH-LS-08-0640L-57-70-3S (1) EPH-LS-08-0640L-57-70-4S (1) EPH-LS-08-0640L-57-70-5S	
SL15	EPHESUS LUMASPORT 8	60' POLE MOUNTED	480V	2.71 kW	COOPER LIGHTING	(1) EPH-LS-08-0640L-57-70-2S (3) EPH-LS-08-0640L-57-70-3S	
SL16	EPHESUS LUMASPORT 8	60' POLE MOUNTED	480V	2.71 kW	COOPER LIGHTING	(1) EPH-LS-08-0640L-57-70-2S (3) EPH-LS-08-0640L-57-70-3S	
SL17	EPHESUS LUMASPORT 8	70' POLE MOUNTED	480V	4.07 kW	COOPER LIGHTING	(1) EPH-LS-08-0640L-57-70-2S (4) EPH-LS-08-0640L-57-70-3S (1) EPH-LS-08-0640L-57-70-5S	
SL18	EPHESUS LUMASPORT 8	70' POLE MOUNTED	480V	6.13 kW	COOPER LIGHTING	(7) EPH-LS-08-0640L-57-70-3S (2) EPH-LS-08-0640L-57-70-4S	
SL19	EPHESUS LUMASPORT 8	70' POLE MOUNTED	480V	6.13 kW	COOPER LIGHTING	(7) EPH-LS-08-0640L-57-70-3S (2) EPH-LS-08-0640L-57-70-4S	
SL20	EPHESUS LUMASPORT 8	70' POLE MOUNTED	480V	4.07 kW	COOPER LIGHTING	(1) EPH-LS-08-0640L-57-70-2S (4) EPH-LS-08-0640L-57-70-3S (1) EPH-LS-08-0640L-57-70-5S	
SL21	EPHESUS LUMASPORT 8	70' POLE MOUNTED	480V	8.14 kW	COOPER LIGHTING	(2) EPH-LS-08-0640L-57-70-1S (3) EPH-LS-08-0640L-57-70-2S (6) EPH-LS-08-0640L-57-70-3S (1) EPH-LS-08-0640L-57-70-5S	
SL22	EPHESUS LUMASPORT 8	70' POLE MOUNTED	480V	8.14 kW	COOPER LIGHTING	(2) EPH-LS-08-0640L-57-70-1S (3) EPH-LS-08-0640L-57-70-2S (6) EPH-LS-08-0640L-57-70-3S (1) EPH-LS-08-0640L-57-70-5S	
SL23	EPHESUS LUMASPORT 8	70' POLE MOUNTED	480V	8.14 kW	COOPER LIGHTING	(2) EPH-LS-08-0640L-57-70-1S (3) EPH-LS-08-0640L-57-70-2S (6) EPH-LS-08-0640L-57-70-3S (1) EPH-LS-08-0640L-57-70-5S	
SL24	EPHESUS LUMASPORT 8	70' POLE MOUNTED	480V	8.14 kW	COOPER LIGHTING	(2) EPH-LS-08-0640L-57-70-1S (3) EPH-LS-08-0640L-57-70-2S (6) EPH-LS-08-0640L-57-70-3S (1) EPH-LS-08-0640L-57-70-5S	
SL25	EPHESUS LUMASPORT 8	60' POLE MOUNTED	480V	2.04 kW	COOPER LIGHTING	(1) EPH-LS-08-0640L-57-70-3S (1) EPH-LS-08-0640L-57-70-4S (1) EPH-LS-08-0640L-57-70-5S	
SL26	EPHESUS LUMASPORT 8	60' POLE MOUNTED	480V	2.04 kW	COOPER LIGHTING	(1) EPH-LS-08-0640L-57-70-3S (1) EPH-LS-08-0640L-57-70-4S (1) EPH-LS-08-0640L-57-70-5S	
SL27	EPHESUS LUMASPORT 8	60' POLE MOUNTED	480V	2.04 kW	COOPER LIGHTING	(1) EPH-LS-08-0640L-57-70-3S (1) EPH-LS-08-0640L-57-70-4S (1) EPH-LS-08-0640L-57-70-5S	
SL28	EPHESUS LUMASPORT 8	60' POLE MOUNTED	480V	2.04 kW	COOPER LIGHTING	(1) EPH-LS-08-0640L-57-70-3S (1) EPH-LS-08-0640L-57-70-4S (1) EPH-LS-08-0640L-57-70-5S	

NOTES:
1. LIGHTS INFORMATION IS FOR REFERENCE ONLY

LIGHT FIXTURE SCHEDULE							
TAG	DESCRIPTION	MOUNTING	VOLTS	WATTS	MANUFACTURER	CATALOG NUMBER	COMMENTS
L1	VAP LINEAR ROUGH SERVICE, LED	PEDANT MOUNT AT 15' AFF	277V	67 W	LITHONIA LIGHTING	VAP-8000LM-FST-MD-MVOLT-GZ10-40K-80CRI	
L2	BLTX VOLUMETRIC SURFACE MOUNT LIGHTING 2'X2'	CEILING SURFACE	277V	20 W	LITHONIA LIGHTING	2BLTX2-20L-ADP-EZ1-1P840	
L3	LDN4 SWITCHABLE 4" DOWNLIGHT	CEILING RECESSED	277V	13 W	LITHONIA LIGHTING	LDN4-AL02-SWWW1-AR-LD-MVOLT-UGZ-AT	
L4	CLX LED LINEAR, 4'	CEILING SURFACE	277V	20.32 W	LITHONIA LIGHTING	CLX-L48-3000LM-SEF-FDL-MVOLT-GZ10-40K-80CRI	
L5	HLF1 HIGH LUMEN LED FLOODLIGHT	POLE MOUNT	277V	203 W	LITHONIA LIGHTING	HLF1-LED-P2-40K-MFL-MVOLT-BLXD	

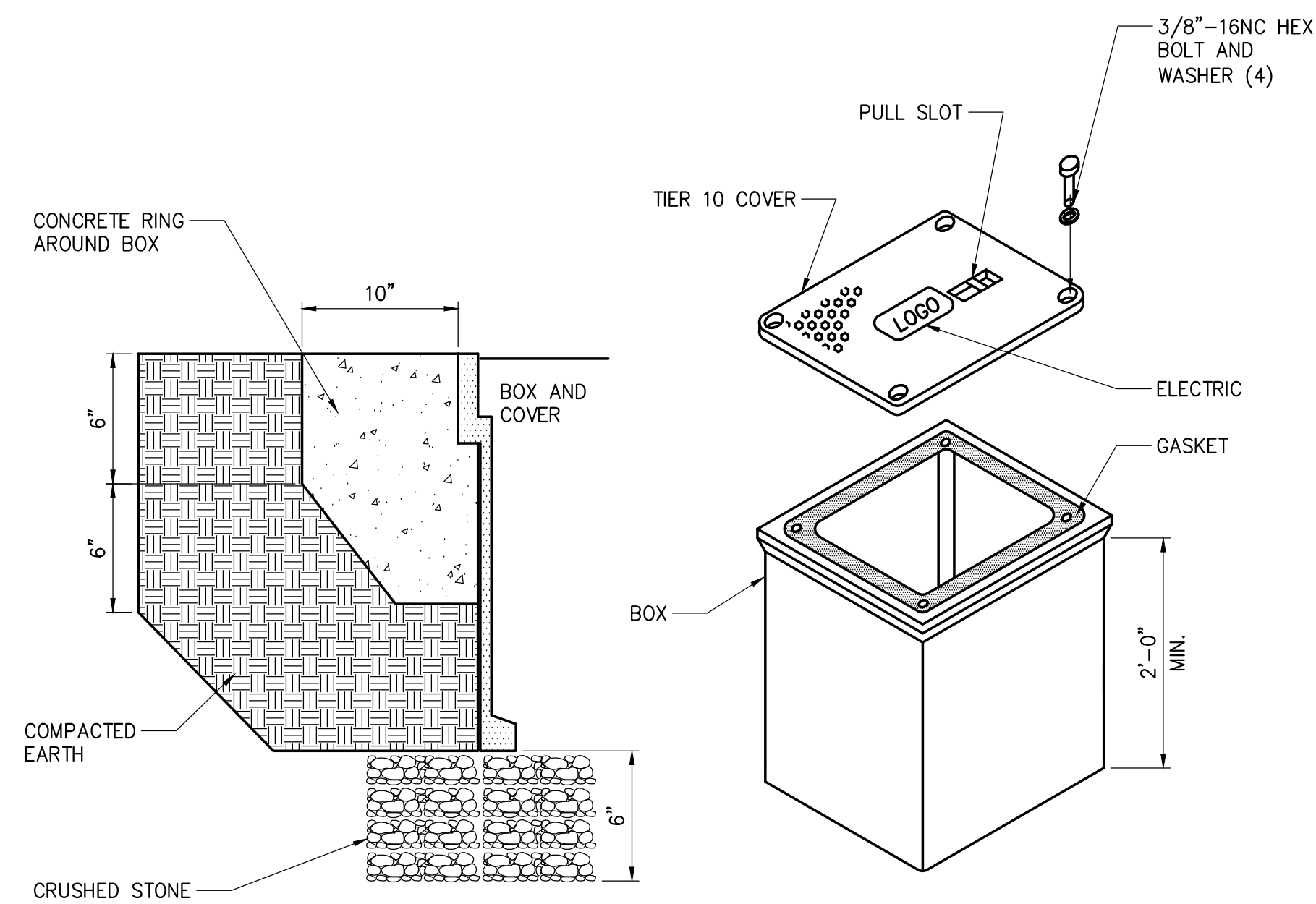
SCHEDULE OF ELECTRICAL REQUIREMENTS FOR MOTORS AND EQUIPMENT																							
ID/TAG	EQUIPMENT DESCRIPTION	LOCATION	LOAD DATA				CONTROLLER INFORMATION										REMARKS						
			HP	FLA	KW	VOLTS	FURNISHED BY DIV. 23	STARTER	COMBO	NEMA ENCLOSURE	OCPP TYPE	OCPP RATING	REQ'D?	FURNISHED BY DIV. 23	LOCAL DISCONNECT SWITCH	POLES		NEMA ENCLOSURE	AMPS	PANEL OR MCC	CIRCUIT	WIRE SIZES	
EF-1	EXHAUST FAN	C01 JANITOR	1/10 hp	0.84 A	-	208 V	1	*	-	-	NEMA 1	-	-	-	*	-	2	NEMA 1	30	RP-01	11,13	(2)#12, (1)#12G	PROVIDE WIRING TO OCCUPANCY SENSOR
EF-2	EXHAUST FAN	C03 SHOWER/TOILET	1/10 hp	0.84 A	-	208 V	1	*	-	-	NEMA 1	-	-	-	*	-	2	NEMA 1	30	RP-01	11,13	(2)#12, (1)#12G	
EF-3	EXHAUST FAN	C05 SHOWER/TOILET	1/10 hp	0.84 A	-	208 V	1	*	-	-	NEMA 1	-	-	-	*	-	2	NEMA 1	30	RP-01	11,13	(2)#12, (1)#12G	
EF-4	EXHAUST FAN	C06 ELECTRICAL	1/10 hp	0.84 A	-	208 V	1	*	-	-	NEMA 1	-	-	-	*	-	2	NEMA 1	30	RP-01	11,13	(2)#12, (1)#12G	PROVIDE WIRING TO THERMOSTAT
EUH-1	ELECTRIC UNIT HEATER	C01 JANITOR	1/100 hp	14.5	3 kW	208 V	1	*	-	-	-	-	-	-	*	-	2	NEMA 1	30	RP-01	8,10	(2)#12, (1)#12G	
EUH-2	ELECTRIC UNIT HEATER	C03 SHOWER/TOILET	-	-	2 kW	208 V	1	*	-	-	-	-	-	-	*	-	2	NEMA 1	30	RP-01	12,14	(2)#12, (1)#12G	
EUH-3	ELECTRIC UNIT HEATER	C05 SHOWER/TOILET	-	-	2 kW	208 V	1	*	-	-	-	-	-	-	*	-	2	NEMA 1	30	RP-01	16,18	(2)#10, (1)#10G	
HPIU-1	HEAT PUMP INDOOR UNIT	C02 OFFICIALS ROOM	-	0.33 A	0.03 kW	208 V	1	*	-	-	-	-	-	-	*	-	2	NEMA 1	30	RP-01	15,17	(2)#12, (1)#12G	POWERED FROM OUTDOOR UNIT
HPIU-2	HEAT PUMP INDOOR UNIT	C04 OFFICIALS ROOM	-	0.33 A	0.03 kW	208 V	1	*	-	-	-	-	-	-	*	-	2	NEMA 1	30	RP-01	19,21	(2)#12, (1)#12G	POWERED FROM OUTDOOR UNIT
HPOU-1	HEAT PUMP OUTDOOR UNIT	BEHIND C01 JANITOR	-	0.5 A	0.05 kW	208 V	1	*	-	-	-	-	-	-	*	-	2	NEMA 3R	30	RP-01	15,17	(2)#10, (1)#10G	
HPOU-2	HEAT PUMP OUTDOOR UNIT	BEHIND C01 JANITOR	-	0.5 A	0.05 kW	208 V	1	*	-	-	-	-	-	-	*	-	2	NEMA 3R	30	RP-01	19,21	(2)#10, (1)#10G	
IWH-1	ELECTRIC WATER HEATER	C01 JANITOR	-	-	10 kW	277 V	1	*	-	-	-	-	-	-	*	-	1	NEMA 1	60	PP-01	6	(2)#8, (1)10G	
IWH-2	ELECTRIC WATER HEATER	C01 JANITOR	-	-	10 kW	277 V	1	*	-	-	-	-	-	-	*	-	1	NEMA 1	60	PP-01	8	(2)#8, (1)10G	



NOTE:

1. REPLACE EXISTING SURFACE CONDITIONS IN KIND TO INCLUDE, BUT NOT LIMITED TO: CONCRETE, CRUSHED STONE, SELECT GRAVEL, ASPHALT, TOPSOIL AND GRASS

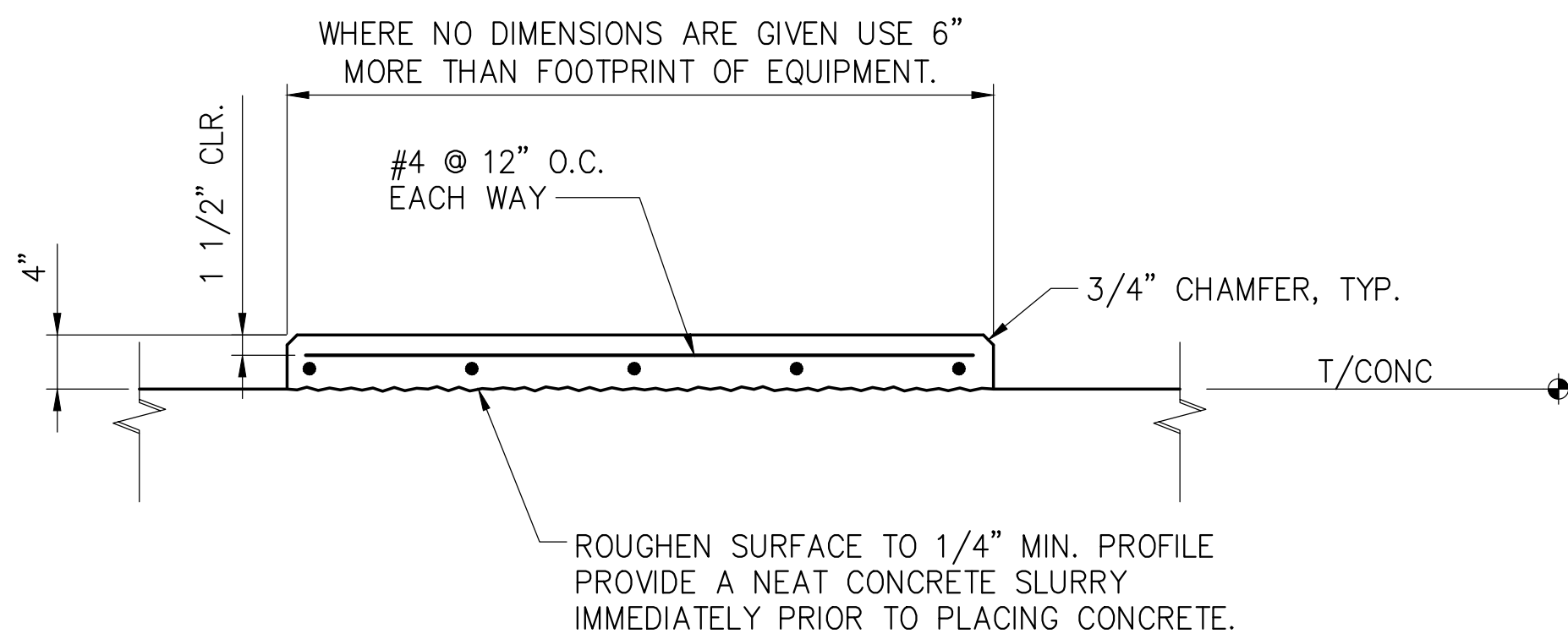
1 UNDERGROUND CONDUIT
- NOT TO SCALE



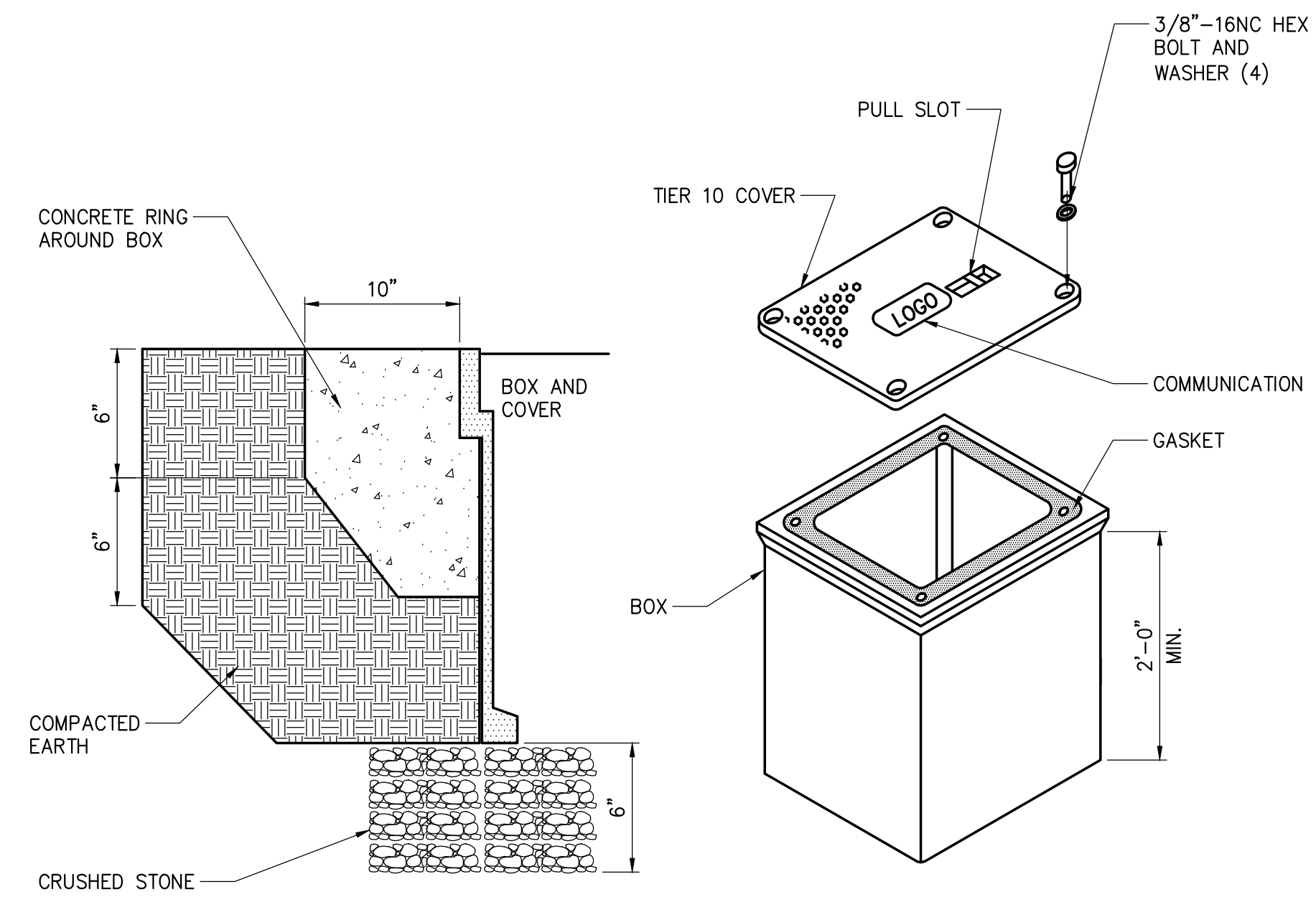
NOTES

1. SIZE HANDHOLE AT EACH LOCATION PER NEC. MINIMUM SIZE SHALL BE 18" X 18" X 24".
2. PROVIDE ALL CONDUITS WITH A PULL ROPE.
3. REPLACE EXISTING SURFACE CONDITIONS IN KIND TO INCLUDE, BUT NOT LIMITED TO: CONCRETE, CRUSHED STONE, SELECT GRAVEL, ASPHALT CONCRETE, TOPSOIL AND GRASS.

2 HANDHOLE - DETAIL
- NOT TO SCALE



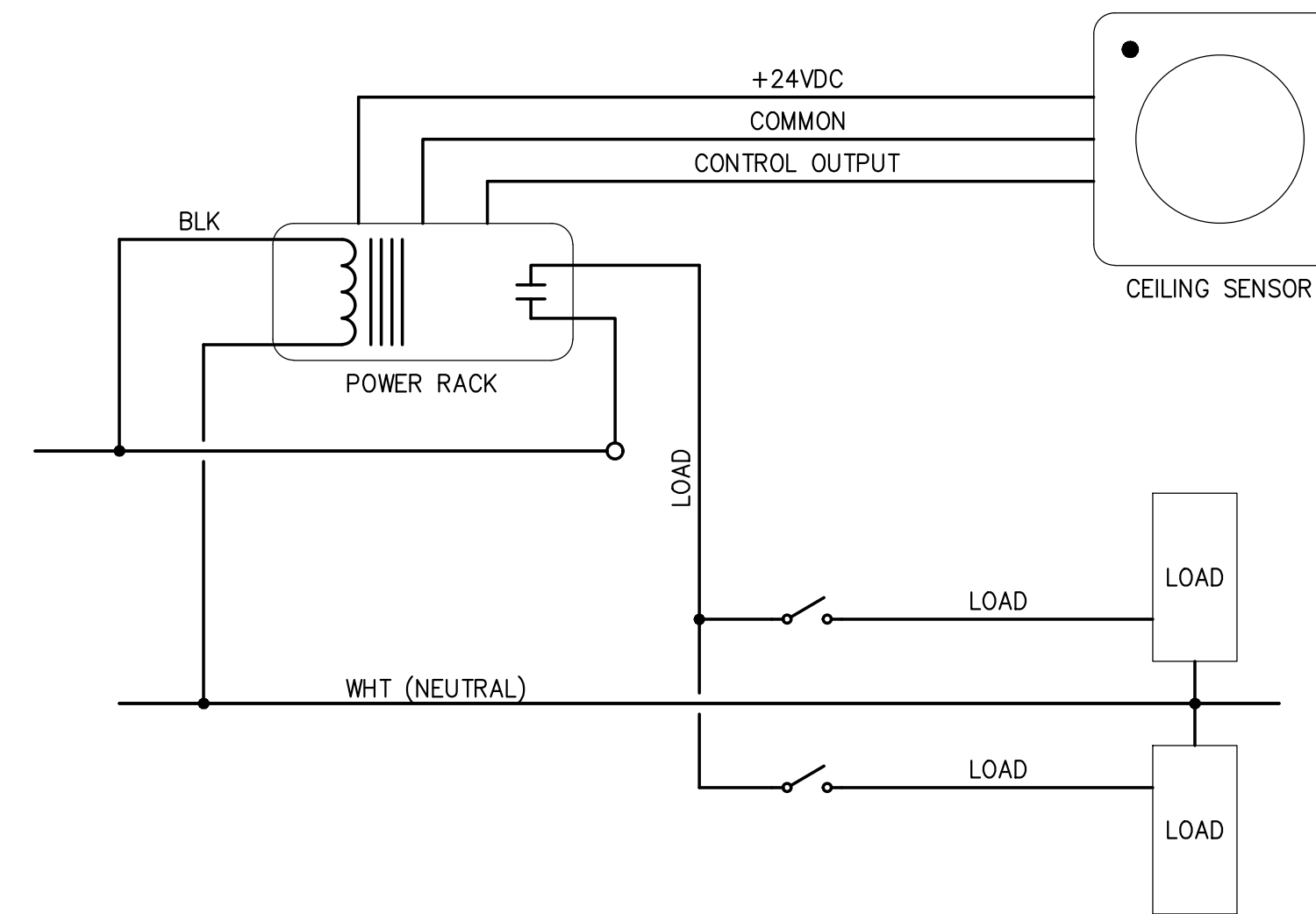
4 TYP. HOUSEKEEPING PAD REINFORCING DETAILS
- NOT TO SCALE



NOTES

1. SIZE HANDHOLE AT EACH LOCATION PER NEC. MINIMUM SIZE SHALL BE 18" X 18" X 24".
2. PROVIDE ALL CONDUITS WITH A PULL ROPE.
3. REPLACE EXISTING SURFACE CONDITIONS IN KIND TO INCLUDE, BUT NOT LIMITED TO: CONCRETE, CRUSHED STONE, SELECT GRAVEL, ASPHALT CONCRETE, TOPSOIL AND GRASS.

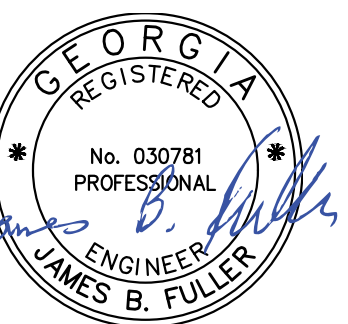
3 HANDHOLE - DETAIL
- NOT TO SCALE



NOTES

1. (2) 3-WAY SWITCHES CAN BE USED IN PLACE OF EACH SPST SWITCH IF AREA UTILIZES 3-WAY SWITCHING AND MULTI-LEVEL LIGHTING CONTROL.

5 TYPICAL OCCUPANCY SENSOR/MULTI-LEVEL SWITCH DETAIL
- NOT TO SCALE



REVISIONS:

No.	Description	Date

PROJECT: 5201-192070
DATE: 10/09/2020
DRAWN BY: JRH
CHECKED BY: JJD

ELECTRICAL DETAILS

SE-605

V:\PROJECTS\ANY\K5\057159.000\CADD\ACAD\SM-001-057159.DWG
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D
C
B
A

ABBREVIATIONS	
AC	ALTERNATING CURRENT
AFF	ABOVE FINISH FLOOR
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
BHP	BRAKE HORSEPOWER
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
DN	DOWN
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ESP	EXTERNAL STATIC PRESSURE
FLA	FULL LOAD AMPS
FLR	FLOOR
FT	FOOT/FEET
FT HD	FEET OF HEAD
GA	GAUGE or GAGE
HP	HORSEPOWER
HZ	HERTZ
IN	INCHES
IN WG	INCHES WATER GAUGE
KW	KILOWATTS
LAT	LEAVING AIR TEMPERATURE
LF	LINEAR FEET or FOOT
MAX	MAXIMUM
MBH	BTU PER HOUR (THOUSAND)
MCA	MINIMUM CIRCUIT AMPS
MIN	MINIMUM
MOC	MAXIMUM OVERCURRENT PROTECTION
MTG. HGT.	MOUNTING HEIGHT
N/A	NOT APPLICABLE
NC	NOISE CRITERIA
NTS	NOT TO SCALE
OA	OUTSIDE AIR
PC	PLUMBING CONTRACTOR
PH	PHASE
RA	RETURN AIR
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SQ FT	SQUARE FEET
TD or ΔT	TEMPERATURE DIFFERENCE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
VOLT	VOLTAGE
W	WATT
°F	DEGREES FAHRENHEIT
&	AND
#	NUMBER

DUCTWORK SYMBOLS	
	DUCT SIZE, (WxH)
	RETURN/EXHAUST DUCT DOWN
	FLEXIBLE DUCT CONNECTION
	VOLUME CONTROL DAMPER (VD)
	FLEXIBLE DUCT, MAXIMUM LENGTH 4'
	RETURN/EXHAUST AIR SIDEWALL REGISTER/GRILLE
	MOTOR OPERATED DAMPER
	ACCESS DOOR IN DUCT
	ACCESS DOOR IN DUCT
	EXHAUST/RETURN AIR CEILING GRILLE OR REGISTER
	ROOF MOUNTED EXHAUST FAN
	GRILLES, REGISTERS AND DIFFUSERS NOTATION
	AIR FLOW

PIPING AND VALVE SYMBOLS	
	CONDENSATE (SIZE AS INDICATED)
	REFRIGERANT (SIZE AS INDICATED)
	PIPE TURNING UP
	PIPE TURNING DOWN
	PIPE BRANCH UP
	PIPE BRANCH DOWN
	PIPE CAP
	PIPE PLUG
	PIPE BREAK
	UNION

CONTROL SYMBOLS	
	BACKDRAFT DAMPER (GRAVITY)
	TEMPERATURE SENSOR (MOUNT AT 48" AFF)

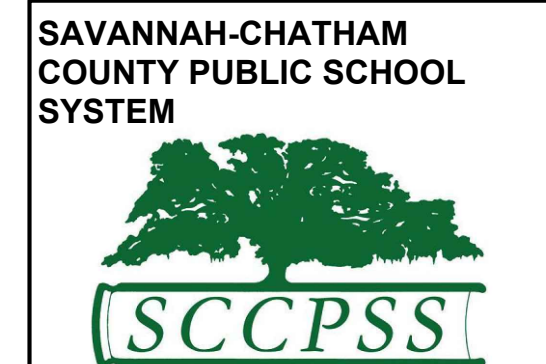
REGISTER, GRILLE AND DIFFUSER SCHEDULE										
TAG	SERVICE	TYPE	CFM	FACE SIZE	NECK SIZE	APD (IN WG)	MAX NC	MANUFACTURER & MODEL#	REMARKS	
EG-1	EXHAUST	GRILLE	100	8x8	6x6	0.1	30	TITUS #4FL	ALUMINUM CONSTRUCTION, COORDINATE COLOR WITH ARCHITECT.	

EXHAUST FAN SCHEDULE												
TAG	LOCATION	SERVICE	TYPE	CFM	ESP (IN WG)	BHP	FAN MOTOR DATA				MANUFACTURER & MODEL#	REMARKS
							RPM	HP	VOLT	PH		
EF-1	OFFICIALS BUILDING	C01 JANITOR	ROOF DOWNBLAST	100	0.3	0.02	1725	1/10	208	1	GREENHECK #G-060-VG	PROVIDE 8" ROOF CURB, VARI-GREEN EC MOTOR WITH CONTROL DIAL, BACKDRAFT DAMPER, AND BIRDSCREEN.
EF-2	OFFICIALS BUILDING	C03 SHOWER/TOILET	ROOF DOWNBLAST	150	0.3	0.02	1725	1/10	208	1	GREENHECK #G-070-VG	
EF-3	OFFICIALS BUILDING	C05 SHOWER/TOILET	ROOF DOWNBLAST	150	0.3	0.02	1725	1/10	208	1	GREENHECK #G-070-VG	
EF-4	ELECTRICAL BUILDING	C06 ELECTRICAL	WALL-MOUNTED	160	0.3	0.02	1725	1/10	208	1	GREENHECK #CUE-070-VG	

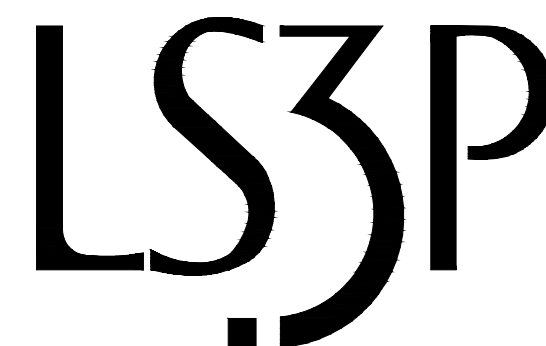
LOUVER SCHEDULE											
TAG	LOCATION	SERVICE	TYPE	WIDTH (IN)	HEIGHT (IN)	MIN FREE AREA	MATERIAL	FINISH	OPERATOR	MANUFACTURER & MODEL#	REMARKS
LV-1	OFFICIALS BUILDING	EF-2	BRICK VENT	12	11.75	39%	ALUMINUM	KYNAR	NONE	GREENHECK #BVE	PROVIDE INSECT SCREEN, OPPOSED BLADE GRAVITY DAMPER. ENTIRE LOUVER INCLUDING ALL ACCESSORIES SHALL BE COATED IN 2-COATS KYNAR FINISH. COORDINATE COLOR WITH ARCHITECT.
LV-2	OFFICIALS BUILDING	EF-3	BRICK VENT	12	11.75	39%	ALUMINUM	KYNAR	NONE	GREENHECK #BVE	
LV-3	ELECTRICAL BUILDING	EF-4	BRICK VENT	12	11.75	39%	ALUMINUM	KYNAR	NONE	GREENHECK #BVE	
LV-4	OFFICIALS BUILDING	EF-1	BRICK VENT	12	11.75	39%	ALUMINUM	KYNAR	NONE	GREENHECK #BVE	

ELECTRIC UNIT HEATER SCHEDULE															
TAG	LOCATION	SERVICE	TYPE	MBH	CFM	THROW (FT)	MTG. HEIGHT (FT)	EAT (°F)	LAT (°F)	ELECTRICAL				MANUFACTURER & MODEL#	REMARKS
										KW	HP	VOLT	PH		
EUH-1	C01 JANITOR	FREEZE PROTECTION	CEILING-HUNG	10.2	350	12	6'2"	55	82	3	1/100	208	1	QMARK #MUH03-81	MOUNTING HEIGHT IS TO BOTTOM OF UNIT.
EUH-2	C03 SHOWER/TOILET	FREEZE PROTECTION	WALL-MOUNTED	6.8	100	-	12"	55	118	2	-	208	1	QMARK #AWH4408F	PROVIDE MANUFACTURER'S SURFACE MOUNTING FRAME, INTEGRAL TAMPER PROOF THERMOSTAT, MANUAL THERMAL OVERHEAT PROTECTOR, AND POWER SWITCH. MOUNTING HEIGHT IS TO BOTTOM OF UNIT.
EUH-3	C05 SHOWER/TOILET	FREEZE PROTECTION	WALL-MOUNTED	6.8	100	-	12"	55	118	2	-	208	1	QMARK #AWH4408F	

DUCTLESS HEAT PUMP SPLIT SYSTEM SCHEDULE																			
TAG (INDOOR/OUTDOOR)	SERVICE	TOTAL COOLING CAPACITY @ 95°F (BTUH)	TOTAL HEATING CAPACITY @ 47°F (BTUH)	SEER (EER)	REFRIGERANT	OUTDOOR UNIT					INDOOR UNIT			ELECTRICAL DATA (INDOOR UNIT)				REMARKS	
						MANUFACTURER & MODEL#	VOLT	PH	HZ	MCA	MOC	MANUFACTURER & MODEL#	CFM (HIGH/LOW)	MOUNTING STYLE	VOLT	PH	HZ		MCA
HPIU-1/HPOU-1	C02 OFFICIALS ROOM 1	12,000	14,000	20.8	R-410A	MITSUBISHI #PUZ-A12NKA7	208	1	60	11	28	MITSUBISHI #PKA-A12HA7	380/290	WALL-MOUNTED @ 6'2"	208	1	60	1	PROVIDE MANUFACTURER'S SURFACE MOUNTING BRACKETS, WALL-MOUNTED PROGRAMMABLE THERMOSTAT (DUAL TEMPERATURE), AND ALL INTERCONNECTING CONTROL WIRING BETWEEN INDOOR AND OUTDOOR UNIT. INDOOR UNIT SHALL BE POWERED BY OUTDOOR UNIT.
HPIU-1/HPOU-1	C04 OFFICIALS ROOM 1	12,000	14,000	20.8	R-410A	MITSUBISHI #PUZ-A12NKA7	208	1	60	11	28	MITSUBISHI #PKA-A12HA7	380/290	WALL-MOUNTED @ 6'2"	208	1	60	1	



RFP C24-01 Groves Athletic Field & Fieldhouse



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REVISIONS:

No.	Description	Date

PROJECT: 5201-192070
DATE: 10/09/2020
DRAWN BY: BDP
CHECKED BY: JH

MECHANICAL LEGENDS AND SCHEDULES
SM-001

REVISIONS:

No.	Description	Date

PROJECT: 5201-192070
DATE: 10/09/2020
DRAWN BY: BDP
CHECKED BY: JH

OFFICIALS
BUILDING
MECHANICAL
PLAN
SM-101

SEQUENCE OF OPERATION:

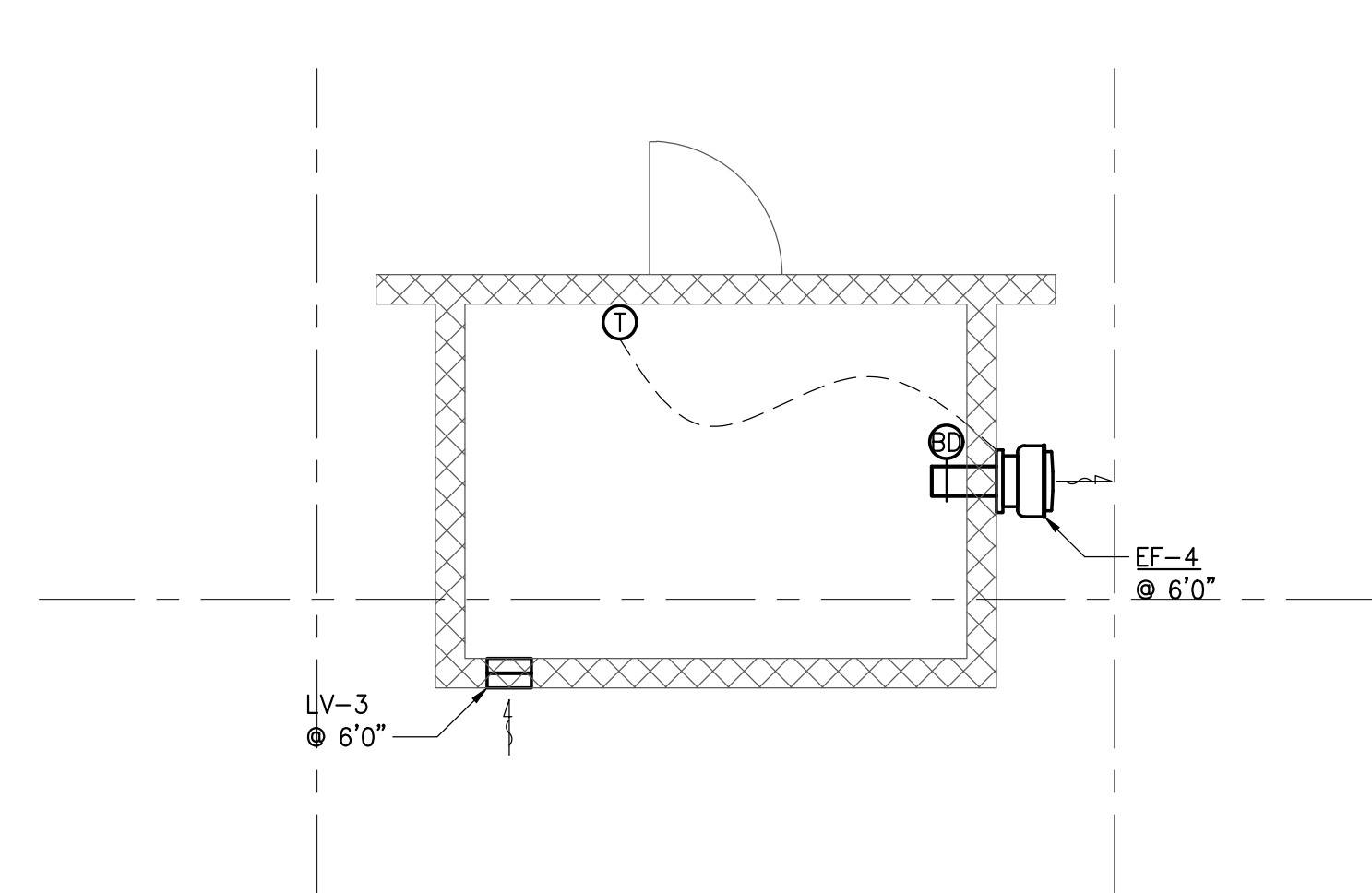
1. EXHAUST FAN WITH OCCUPANCY SENSOR CONTROL: EF-1, 2 & 3 SHALL BE ENERGIZED VIA WALL-MOUNTED OCCUPANCY SENSOR. FAN SHALL BE PROGRAMMED TO RUN FOR MINIMUM OF 1 HOUR (ADJUSTABLE).
2. EXHAUST FAN WITH TEMPERATURE CONTROL: EF-4 SHALL BE ENERGIZED WHEN THE THE SPACE TEMPERATURE (SIGNALLED BY WALL-MOUNTED THERMOSTAT) IS ABOVE 85 DEG. F (ADJUSTABLE). EF-1 SHALL RUN CONTINUOUSLY UNTIL THE SPACE TEMPERATURE IS BELOW 80 DEG. F (ADJUSTABLE) IN WHICH THE FAN SHALL STOP.
3. UNIT HEATERS (EUH-1 THRU 3) SHALL RUN WHEN THE SPACE IS 50 DEG. F (ADJUSTABLE) AND BELOW AS SIGNALLED BY THE FACTORY SUPPLIED THERMOSTAT. UNITS SHALL STOP WHEN THE TEMPERATURE OF THE SPACE IS ABOVE 55 DEG. F (ADJUSTABLE).

GENERAL NOTES

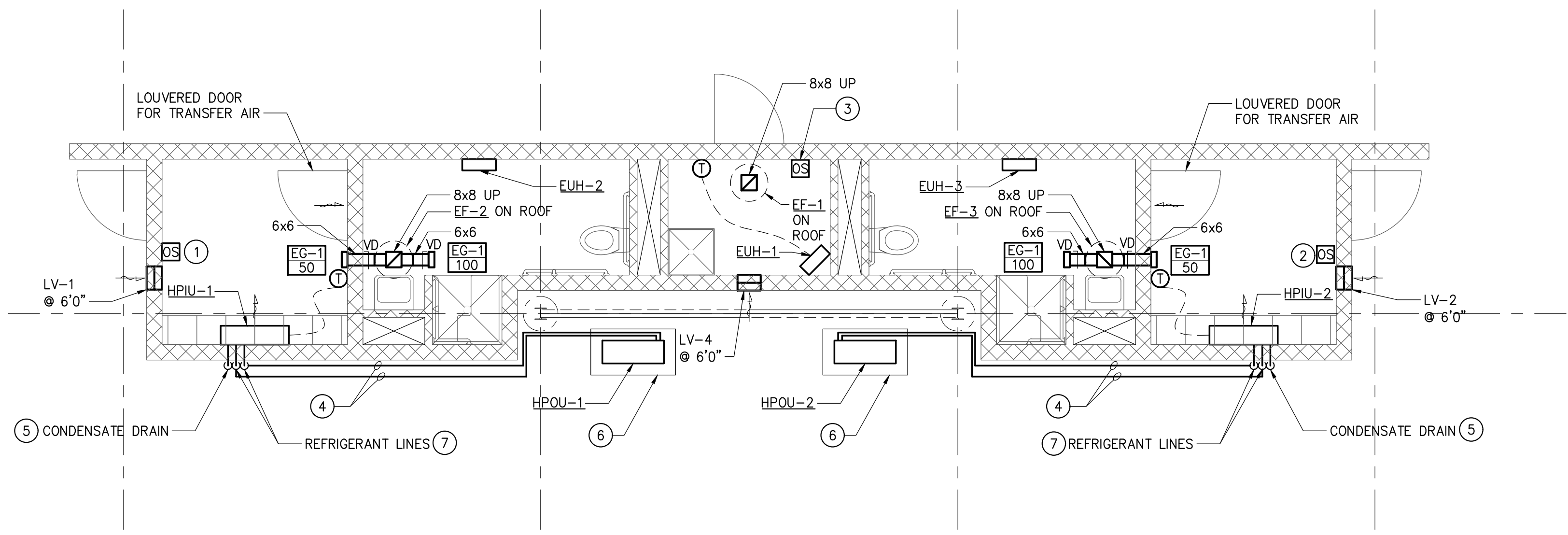
1. REFER TO DETAIL 1/M-201 OF ATHLETICS PACKAGE FOR SENSOR MOUNTING DETAIL.
2. REFER TO DETAIL 2/M-201 OF ATHLETICS PACKAGE FOR LOUVER DETAIL.
3. REFER TO DETAIL 3/M-201 OF ATHLETICS PACKAGE FOR WALL HEATER DETAIL.
4. REFER TO DETAIL 6/M-201 OF ATHLETICS PACKAGE FOR WALL DUCTLESS AIR HANDLER DETAIL UNLESS OTHERWISE NOTED ON PLANS.
5. REFER TO DETAIL 7/M-201 OF ATHLETICS PACKAGE FOR DUCTLESS HEAT PUMP DETAIL.
6. REFER TO DETAIL 8/M-201 OF ATHLETICS PACKAGE FOR ROOF EXHAUST FAN DETAIL.
7. ALL HEIGHTS ARE TO BOTTOM OF EQUIPMENT.

CODED NOTES

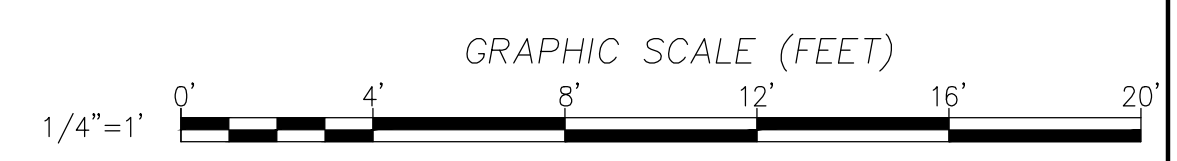
- ① OCCUPANCY SENSOR FOR EF-2 CONTROL PROVIDED BY ELECTRICAL.
- ② OCCUPANCY SENSOR FOR EF-3 CONTROL PROVIDED BY ELECTRICAL.
- ③ OCCUPANCY SENSOR FOR EF-1 CONTROL PROVIDED BY ELECTRICAL.
- ④ SIZE REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS. PROVIDE HORIZONTAL PIPE SUPPORTS.
- ⑤ 3/4" CONDENSATE DOWN. TERMINATE 6" ABOVE GRADE. PROVIDE SPLASH BLOCK AND INSECT SCREEN AT TERMINATION.
- ⑥ CONCRETE PAD PROVIDED BY STRUCTURAL.
- ⑦ PROVIDE VERTICAL PIPE SUPPORTS.



1 ELECTRICAL BUILDING MECHANICAL PLAN
1/4" = 1'-0"



2 OFFICIALS BUILDING MECHANICAL PLAN
1/4" = 1'-0"



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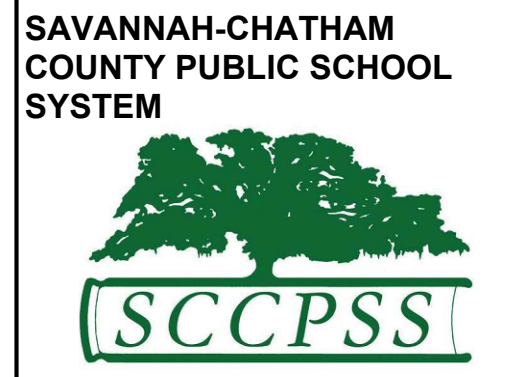
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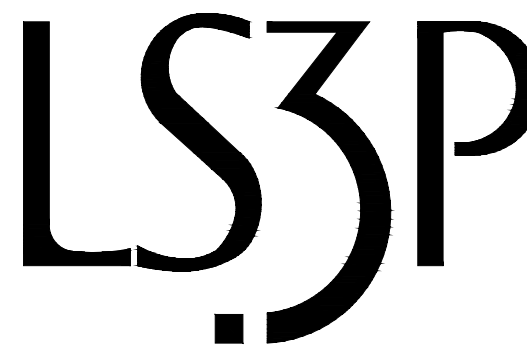
ABBREVIATIONS		PIPING LINE TYPES	
AD	ACCESS DOOR		2" CW COLD WATER PIPING (SIZE AS INDICATED)
AFF	ABOVE FINISH FLOOR		2" HW HOT WATER PIPING (SIZE AS INDICATED)
DN	DOWN		2" SAN SANITARY PIPING (SIZE AS INDICATED)
EC	ELECTRICAL CONTRACTOR		2" USAN UNDERSLAB SANITARY PIPING (SIZE AS INDICATED)
EWT	ENTERING WATER TEMPERATURE		2" V VENT PIPING (SIZE AS INDICATED)
FFE	FINISHED FLOOR ELEVATION		
FLA	FULL LOAD AMPS		
GA	GAUGE or GAGE		
GAL	GALLON		
GPH	GALLONS PER HOUR		
GPM	GALLONS PER MINUTE		
IN	INCH		
IN WG	INCHES WATER GAUGE		BALANCING VALVE
INV	INVERT		BALL VALVE
LAV	LAVATORY		GATE VALVE
LWT	LEAVING WATER TEMPERATURE		GLOBE VALVE
MAX	MAXIMUM		PRESSURE RELIEF VALVE
MCA	MINIMUM CIRCUIT AMPS		PRESSURE REDUCING VALVE
MIN	MINIMUM		PRESSURE REGULATING VALVE
MOCP	MAXIMUM OVERCURRENT PROTECTION		SPRING CHECK VALVE
N/A	NOT APPLICABLE		SWING CHECK VALVE
PC	PLUMBING CONTRACTOR		WYE STRAINER
PH	PHASE		REDUCED PRESSURE ZONE (BALL VALVES)
PSI(G)	POUNDS PER SQUARE INCH (GAUGE)		PIPE TURNING UP
TD or ΔT	TEMPERATURE DIFFERENCE		PIPE TURNING DOWN
TEMP	TEMPERATURE		PIPE BRANCH UP
UNO	UNLESS NOTED OTHERWISE		PIPE BRANCH DOWN
UR	URINAL		PIPE PLUG
VOLT	VOLTAGE		PIPE BREAK
VTR	VENT THROUGH ROOF		UNION
W	WATT		DECK PLATE CLEANOUT
WC	WATER CLOSET		FLOOR DRAIN
WG	WATER GAGE		HOSE BIBB/NON-FREEZE HOSE BIBB
W.P.D.	WATER PRESSURE DROP		WATER HAMMER ARRESTER
°F	DEGREES FAHRENHEIT		
&	AND		
#	NUMBER		

PLUMBING FIXTURE SCHEDULE									
TAG	ITEM	MANUFACTURER & MODEL	WASTE	VENT	CW	HW	FITTINGS/ACCESSORIES OR DESIGN DATA	ITEM DESCRIPTION	
P-3B	WALL-HUNG SINGLE LAVATORY	ZURN #Z5340	1-1/4"	1-1/4"	1/2"	1/2"	ZURN SINGLE LEVER FAUCET #Z81000-XL	VITREOUS CHINA LAVATORY WITH FRONT OVERFLOW, FAUCET HOLES 4" ON CENTER WITH RIGHT SIDE SOAP DISPENSER HOLE, LOW FLOW AERATOR (0.5 GPM), THERMOSTATIC MIXING VALVE, MOUNT TO ADA GUIDELINES.	
P-1B	FLOOR-MOUNTED HANDICAP WATER CLOSET	ZURN #Z5645-BWL	3"	2"	1"	N/A	ZURN SEAT #Z5950	VITREOUS CHINA, SIPHON JET ACTION, EXPOSED MANUAL HIGH EFFICIENCY FLUSH VALVE (1.28 GPF). MOUNT TO ADA GUIDELINES.	
P-4A	MOP SINK	FIAT #MSB-2424	3"	1 1/2"	1/2"	1/2"	FAUCET MODEL #830-AA	MOLDED STONE, 10" HIGH 1" WIDE WALLS WITH VINYL BUMPER GUARDS AND STAINLESS STEEL WALL GUARDS. PROVIDE CHROME PLATED DOME DRAIN AND FAUCET WITH VACUUM BREAKER, HOSE AND HOSE BRACKET. MOUNT 36" AFF.	
P-6A	SHOWER	SPEAKMAN #SM-3010	2"	N/A	1/2"	1/2"	SHOWERHEAD #S-2272-E15	SINGLE HANDLE PRESSURE BALANCED MIXING VALVE WITH INTEGRAL STOPS AND VANDAL PROOF TRIM. PROVIDE SHOWER HEAD (1.5 GPM) AND ARM WITH WALL FLANGE AND 2" FLOOR DRAIN AS SPECIFIED.	
FD-A	FLOOR DRAIN	WATTS #FD-200-M	3"	N/A	N/A	N/A	JAY R. SMITH TRAP SEAL GUARD #2692; ASSE 1072	HEAVY DUTY EPOXY COATED CAST IRON FLOOR DRAIN WITH VANDAL PROOF NICKEL BRONZE STRAINER. PROVIDE WITH TRAPGUARD.	
DPCO	DECK PLATE CLEANOUT	ZURN #Z1400-B	4"	N/A	N/A	N/A	-	CAST IRON BODY WITH INTEGRAL PIPE STOP, NICKEL BRONZE COVER AND BRONZE PLUG.	
HB/E	EXTERIOR WALL HYDRANT	ZURN #Z1300	-	-	3/4"	-	-	POLISH BRASS HOSE BIBB WITH VACUUM BREAKER, HOSE THREADED AND LOOSE KEY OPERATED.	

ELECTRIC WATER HEATER SCHEDULE												
TAG	TYPE	SERVICE	OPERATING PRESSURE MIN/MAX (PSI)	TURN ON (GPM)	DESIGN (GPM)	TEMPERATURE RISE (°F)	ELECTRICAL DATA				MANUFACTURE & MODEL#	REMARKS
							VOLT	PH	KW	AMPS		
IWH-1	INSTANT HOT TANKLESS - THERMOSTATICALLY CONTROLLED	HOT WATER	30/150	0.2	1.5	46	277	1	10	36	EEMAX LAVADVANTAGE #SPEX100T	UNIT SHALL HAVE ABS-UL 94 5VA RATED COVER. ELEMENT SHALL BE REPLACEABLE CARTRIDGE INSERT WITH REPLACEABLE FILTER IN THE INLET CONNECTOR. ELEMENT SHALL BE IRON FREE, NICKEL CHROME MATERIAL.
IWH-2	INSTANT HOT TANKLESS - THERMOSTATICALLY CONTROLLED	HOT WATER	30/150	0.2	1.5	46	277	1	10	36	EEMAX LAVADVANTAGE #SPEX100T	



RFP C24-01 Groves Athletic Field & Fieldhouse



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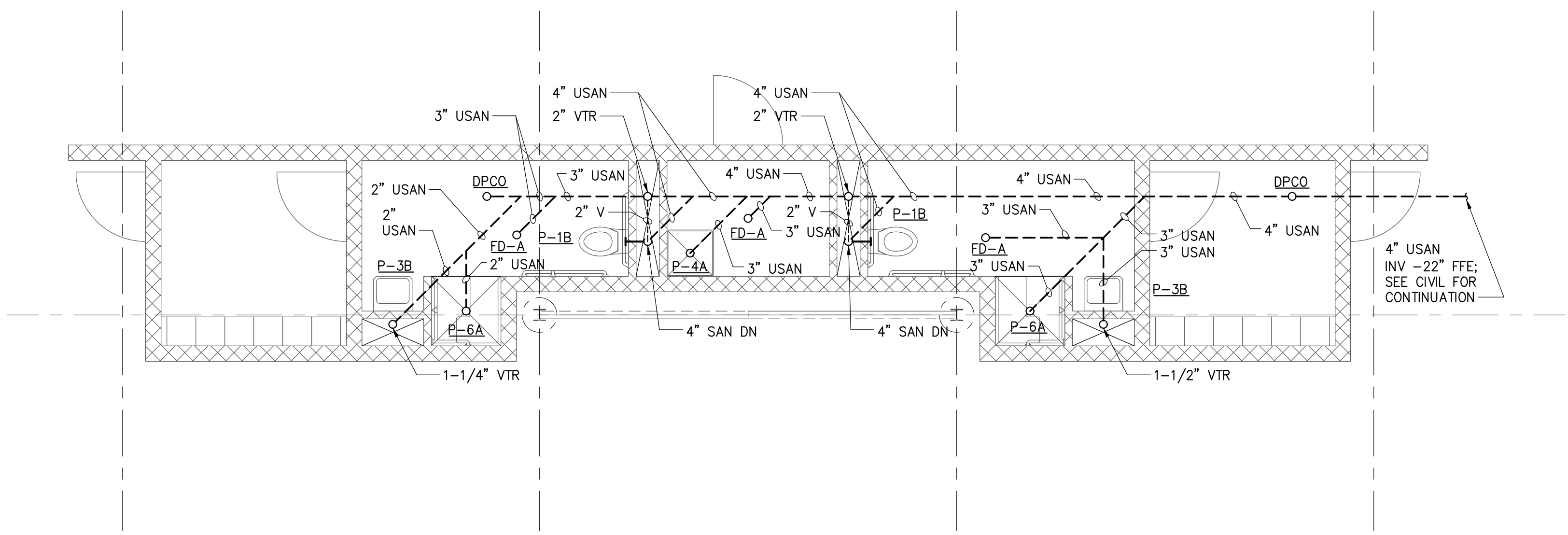
PLUMBING LEGENDS, SCHEDULES AND DETAILS
SP-001

REVISIONS:

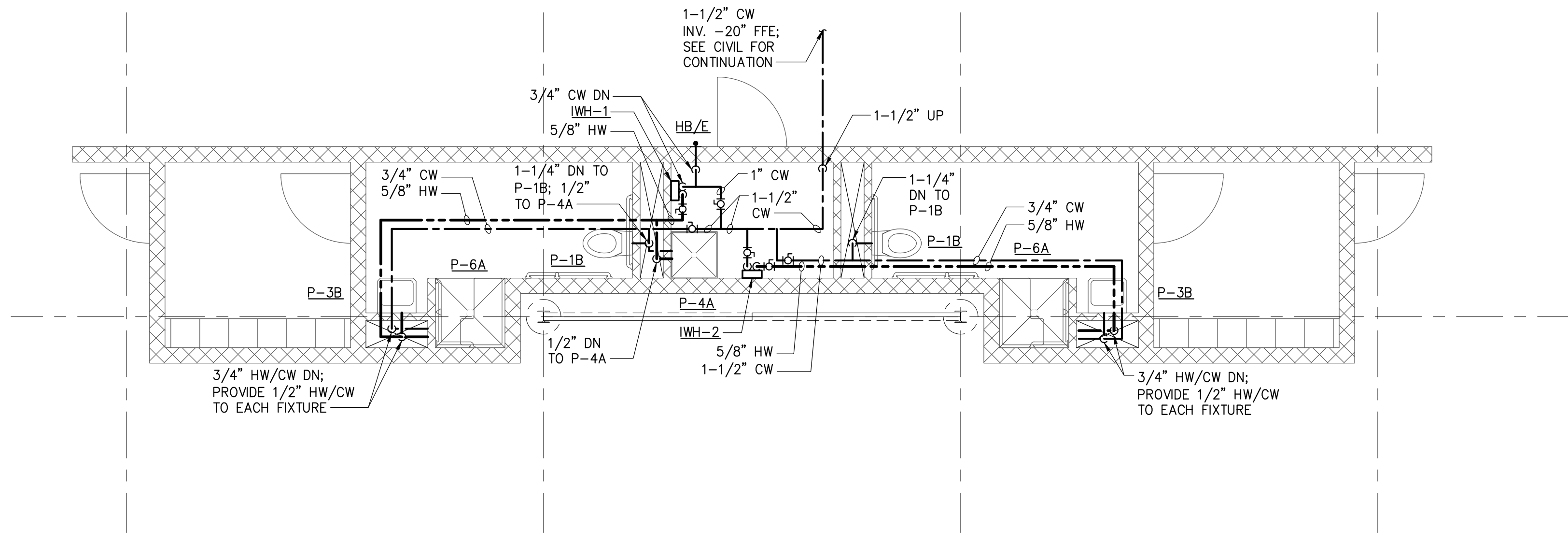
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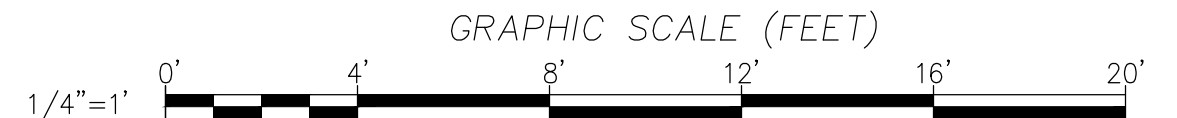
OFFICIALS
BUILDING
PLUMBING PLANS
SP-101



1 SANITARY AND VENT PLAN
1/4" = 1'-0"



2 POTABLE PIPING PLAN
1/4" = 1'-0"



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