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FURNITURE MALL TENANT IMPROVEMENT

INTERIOR IMPROVEMENTS



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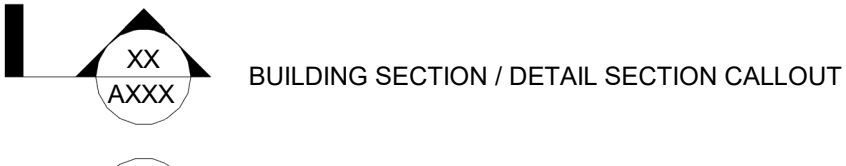
GENERAL PROJECT NOTES:	
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GOVERNING LAWS AND CODES, AND IN ACCORDANCE WITH AUTHORITIES HAVING JURISDICTION.	
2. GC TO VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. CONTRACTOR ACKNOWLEDGES REVIEW OF CONDITIONS AND INTENT OF ALL CONSTRUCTION DOCUMENTS UPON SUBMITTING BID.	
3. CALCULATE AND MEASURE REQUIRED DIMENSIONS. DO NOT SCALE DRAWINGS UNLESS OTHERWISE INDICATED. ALL DIMENSIONS TO BE TAKEN FROM DESIGNATED DATUM POINT. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER GRAPHIC REPRESENTATION. DETAIL DIMENSIONS TAKE PRECEDENCE OVER PLAN DIMENSIONS.	
4. ALL ITEMS SUPPLIED BY THE OWNER AND INSTALLED BY THE CONTRACTOR WILL BE COORDINATED BY THE CONTRACTOR FROM DELIVERY TO INSTALLATION.	
5. DIMENSIONS ON DRAWINGS ARE TO FACE OF STUD AND CENTERLINE OF COLUMNS UNLESS OTHERWISE NOTED.	
6. THE GENERAL CONTRACTOR (GC, HEREFTER) UPON SIGNING THE OWNER/GC AGREEMENT, ACCEPTS THE CD (INCLUDING THESE DRAWINGS W/ THE INCLUDED NOTES & DESCRIPTIVE MATERIAL) & AGREES TO EXECUTE THE NECESSARY WORK IN MANNER DESCRIBED THEREIN. A) UPON EXAMINATION / FAMILIARIZATION OF CD & JOB SITE VISIT, ANY DISCREPANCIES, OMISSIONS, AMBIGUITIES AND/OR CONFLICTS NOTED, SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT IN WRITING, FOR CORRECTION. B) ANY ELEMENT, WHATSOEVER, REQUIRED BY BUILDING TO BE INCORPORATED IN CONSTRUCTION BUT NOT SPECIFIED IN CD SHALL BE BROUGHT TO ATTENTION OF ARCHITECT FOR REVIEW/ACTION.	C) NO MODIFICATIONS / REVISIONS / CHANGES SHALL BE UNDERTAKEN UNLESS SPECIFICALLY SO INSTRUCTED AND APPROVED BY OWNER. D) DURING COURSE OF PROJECT, GENERAL CONTRACTOR SHALL MAKE EVERY EFFORT TO FULLY INFORM ALL CONCERNED PARTIES REGARDING DECISIONS/ACTIONS TAKEN WHICH, IN ANY WAY, MIGHT AFFECT ANY SAID CONSTRUCTION CONDITIONS. 7. ALL EXISTING HOLES/CRACKS IN SLAB AND THOSE RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE FILLED/REPAIRED AND THE SURFACE PATCHED SMOOTH AND LEVEL WITH ADJACENT FLOOR SURFACE, IN A MANNER ACCEPTABLE TO OWNER AND ARCHITECT 8. GC SHALL BE RESPONSIBLE FOR FIELD MEASURING OF EXISTING CONDITIONS PRIOR TO START OF WORK AND DURING CONSTRUCTION, AS NECESSARY, TO ASSURE CONSTRUCTION ADHERENCE TO DRAWINGS. BY ENTERING INTO A CONSTRUCTION CONTRACT FOR THIS WORK, GC SHALL INDICATE HIS FAMILIARITY WITH THE SITE/FIELD CONDITIONS. A) ALL "HOLD" DIMENSIONS SHALL BE MONITORED TO ASSURE CORRECTNESS. B) ANY DIMENSION REVISIONS/MODIFICATIONS ARE TO BE BROUGHT TO ATTENTION OF THE ARCHITECT FOR REVIEW/APPROVAL. 9. ALL VERTICAL DIMENSIONS SHALL BE TAKEN FROM "BENCH MARK" OR OTHER SIMILAR GUIDE ESTABLISHED PRIOR TO START OF CONSTRUCTION. HIGH POINTS, LOW POINTS, IRREGULARITIES IN FLOOR SLAB, PARTICULARLY, WHICH COULD IN ANY WAY AFFECT FABRICATION/INSTALLATION WORK OF OTHER TRADES OR VENDORS (I.E., CABINET CONTRACTORS), SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. A) VARIATIONS IN FLOOR LEVEL IN EXCESS OF 1/2" FOR EVERY 10'-0" IN EVERY DIRECTION WILL REQUIRE LEVELING OF SLAB BY G.C. LEVELING OF SLAB TO BE DONE AS REQUIRED READY TO RECEIVE FLOOR FINISHES, (I.E. VINYL TILE FLOORS, CARPETING, ETC.). G.C. TO VERIFY SLAB CONDITION PRIOR TO BID SUBMISSION AND CONTACT LANDLORD.

GENERAL NOTES

12" = 1'-0"

A.F.F.	Above Finish Floor	FOC	Face of Concrete	OFF.	Office
ACOUS.	Acoustical	FOF	Face of Finish	O.C.	On Center
ACT	Title	FOS	Face of Studs	OPNG.	Opening
ADJ	Adjacent, Adjustable	FOW	Face of Wall	OPP.	Opposite
A/C	Air Conditioning	FV	Field Verify	O.H.	Opposite Hand
ALT	Alternate	FIN.	Finish	O.D.	Outer Diameter (Dim.)
ALUM	Aluminum	F.A.	Fire Alarm	OFD	Over Flow Drain
ANG	Angle	F.E.	Fire Extinguisher	O.A.	Overall
APPROX	Approximate	F.E.C.	Fire Extinguisher Cabinet	O.R.D.	Overflow Roof Drain
ARCH	Architectural	F.R.	Fire Rated, Fire Retardant	PT	Paint
AD	Area Drain	F.S.P.	Fire Stand Pipe	PTD.	Painted
ASPH	Asphalt	F.V.C.	Fire Valve Cabinet	PR.	Pair
BSMT	Basement	F.P.	Fireproof	PNL	Panel, Panelboard
BM	Beam	FPSC	Fireproof Self Closing	PERF.	Perforated
BYND	Beyond	FIX, FIXT	Fixture	PERP	Perpendicular
BITUM.	Bituminous	FLASH	Flashing	PLAS	Plaster
BLK	Block	FL, FLR	Floor	P-LAM	Plastic Laminate
BLKG	Blocking	F.D.	Floor Drain	PL	Plate
BD	Board	FLUOR.	Fluorescent	PLYWD.	Plywood
BOT	Bottom	FT'	Foot, Feet	PT	Point
BO	Bottom of	FTG.	Footing	PVC	Polyvinyl Chloride
B.C.	Bottom of curb	FDN.	Foundation	PSF	Pounds per Sq. Foot
BOS	Bottom of steel	F.A.I.	Fresh Air Intake	PC	Precast Concrete
BLDG	Building	F.B.O.	Furnished by Others	PREFAB.	Prefabricated
BO	By Others/Owner	FURR.	Furring	PRT	Pressure Treated
CAB	Cabinet	GALV.	Galvanize	PROJ	Project
CPT	Carpet	G.	Gas	PROP	Property
C.I.P.	Cash-In-Place	GA.	Gauge	QTY	Quantity
C.B.	Catch Basin	G.C.	General Contractor	Q.T.	Quarry Tile
CLG.	Ceiling	GL	Glass	R., RAD.	Radius
CEM.	Cement	G.F.R.C.	Glass Fiber Reinforced Concrete	RE. REF.	Reference
CTR	Center Line	G.F.R.G.	Glass Fiber Reinforced Gypsum	REINF.	Reinforced
C/C	Center to Center	GR.	Grade	R.C.P.	Reinforced Concrete Pipe
CER.	Ceramic	GSF	Gross Square Feet	R.A.	Relieving Angle
CT.	Ceramic Tile	GND	Ground	REQ.	Required
C. OF O.	Certificate of Occupancy	GYP	Gypsum	R.H.	Right Hand
C.O.	Channel	GYP. BD	Gypsum Wallboard	R.	Riser
C.L.	Cleanout	HDWR	Hardware	RD.	Road
CLR	Clear	HDWD	Hardwood	R.D.	Roof Drain
CLOS.	Close	HD	Head	RM..	Room
CW	Cold Water	HTR	Heater	R.O.	Rough Opening
COL	Column	HVAC	Heating, Venting, Air Conditioning	RB	Rubber Base
CONC	Concrete	HT.	Height	SAB	Sound Attenuation Batt
CMU	Concrete Masonry Unit	HPC	High Performance Coating	SCHED.	Schedule
CONF.	Conference	H.P.	High Point	SEC.	Second
CONST.	Construction	HWY	Highway	SECT.	Section
C.M.	Construction Manager	H.C.	Hollow Core	SHT.	Sheet
CONT	Continuous	H.M.	Hollow Metal	SIM.	Similar
CONTR	Contractor	HORIZ.	Horizontal	S.C.	Solid Core
C.J.	Control Joint	H.B.	Hose Bibb	STC	Sound Transmission Coefficient
CONV.	Convector	HW	Hot Water	S	South
CG	Cover Guard	HR	Hour	SPKR.	Speaker
CORR.	Corrosion	IN. "	Inside	SPEC.	Specification
DB	Degree	INC.	Include	S.F.P.	Spray on Fireproofing
DEG.	Department	I.D.	Inside Diameter	SQ.	Square
DEPT.	Dept. Of Building	INSUL.	Insulation	S.F.	Square Feet
D.O.B.	Dept. Of Environmental	INT.	Interior	S.S.	Stainless Steel
D.E.P.	Detail	JAN	Janitor	ST	Stair
DTL	Diameter	J.C.	Janitor's Closet	STD.	Standard
DIA.	Diffuser	JT.	Joint	STA	Station
DIFF.	Dimension	JST	Joist	STL	Steel
DM.	Dishwasher	KIT.	Kitchen	STOR.	Storage
DW	Dispenser	K.O.	Knock Out	ST.	Street
DR	Door	LS	Life Safety	STRUCT.	Structural
D.O.	Door Opening	LAM.	Laminate, Laminated	SUSP.	Suspended
DBL	Double	LAV.	Lavatory	SYM	Symmetrical
DN	Down	L.H.	Left Hand	TEL	Telephone
DWG(S)	Drawing, Drawings	L	Length	T.V.	Television
D.F.	Drinking Fountain	LT	Light	TEMP.	Temporary
EA	Each	L.W.	Lightweight	THK	Thick, Thickness
EW	Each Way	L.P.	Low Point	T.&G.	Tongue and Groove
E	East	MH	Manhole	T.O.	Top Of
EPDM	Elastomeric Roof Membrane	MFR. MANUF	Manufacturer	T.O.B.	Top Of Beam
ELECT	Electric, Electrical	M.O.	Masonry Opening	T.O.C.	Top Of Curb
ELEC.	Electrical	MATL	Material	T.O.S.	Top Of Sidewalk
E.P.	Electrical Panelboard	MAX	Maximum	T.O.W.	Top Of Wall
EL.	Elevation	MECH.	Mechanical	T	Tread
ELEV.	Elevator	MEPPF	Mechanical, Electrical, Plumbing, Fire Protection	TP.	Typical
EMER.	Emergency	M.E.R.	Mechanical Equipment Room	TW	Through wall
ENCL.	Enclosure	MDF	Medium Density Fireboard	UNFIN.	Unfinished
EQ.	Equal	MEMB.	Membrane	U.N.O.	Unless Noted Otherwise
EQ. EQUIP.	Equipment	MTL	Metal	V.I.F.	Verify in Field
EXIST.	Existing	MEZZ.	Mezzanine	VERT.	Vertical
EXP	Expansion	MIN.	Minimum	VEST.	Vestibule
E.J.	Expansion Joint	MIR	Mirror	V.C.P.	Vitrified Clay Pipe
EXT.	Exterior	MISC.	Miscellaneous	VCT.	Vinyl Composition Tile
EIFS	Exterior Insulation Finish System	MTD.	Mounted	VWC	Vinyl Wallcovering
		MTG.	Mounting	W	Water
		MULT.	Multiple	W.C.	Water Closet
		N.R.C.	Noise Reduction Coefficient	WR.	Water Resistant
		NOM.	Nominal	WP.	Waterproofing
		N	North	WT	Weight
		N.A.	Not applicable	WWF	Welded Wire Fabric
		NIC	Not in Contact	W	West
		N.I.C.	Not in Contract	W.F	Wide flange
		NTS	Not to Scale	W	Width
		NT.S.	Not to Scale	WIN	Window
		NO. NUM. #	Number	W. W/O	With, Without
				WD.	Wood
				YD	Yard

DIVISION 01: GENERAL



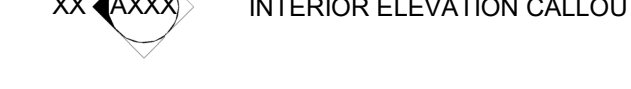
BUILDING SECTION / DETAIL SECTION CALLOUT



DETAIL REFERENCE CALLOUT



BUILDING ELEVATION CALLOUT



INTERIOR ELEVATION CALLOUT



LEVEL / ELEVATION DESIGNATION



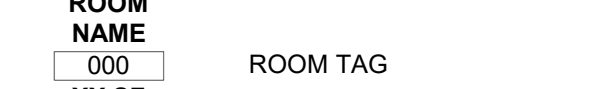
DOOR TAG



WALL ASSEMBLY TYPE TAG



GLAZING ASSEMBLY TYPE TAG



ROOM TAG



DEMOLITION KEY NOTE TAG



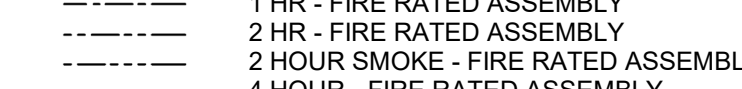
GENERAL KEY NOTE TAG



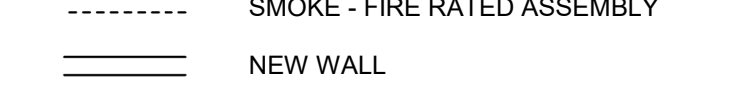
MATERIAL / ACCESSORY KEY NOTE TAG



EQUIPMENT KEY NOTE TAG



CENTER LINES OF COL. / BLDG. GRIDS



1 HR - FIRE RATED ASSEMBLY



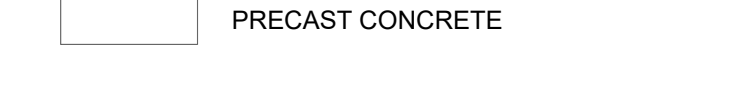
2 HR - FIRE RATED ASSEMBLY



2 HOUR SMOKE - FIRE RATED ASSEMBLY



4 HOUR - FIRE RATED ASSEMBLY

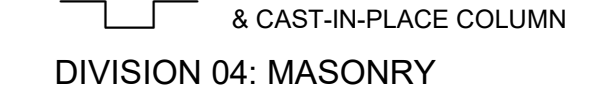


SMOKE - FIRE RATED ASSEMBLY

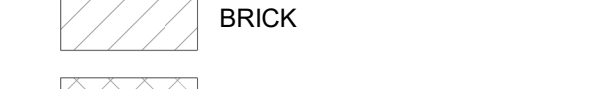
DIVISION 03: CONCRETE



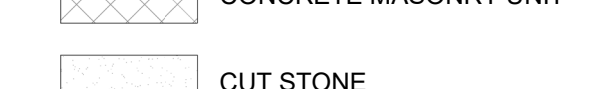
CAST-IN-PLACE CONCRETE



PRECAST CONCRETE



PRECAST CONCRETE WALL



PRECAST CONCRETE COLUMN

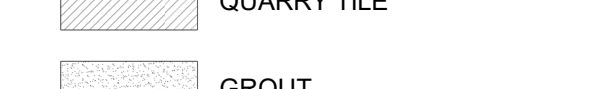


CAST-IN-PLACE CONCRETE WALL & CAST-IN-PLACE COLUMN

DIVISION 04: MASONRY



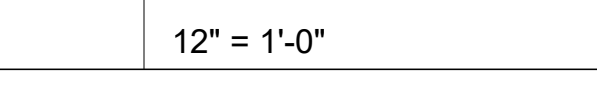
BRICK



CONCRETE MASONRY UNIT



CUT STONE



CAST STONE



BRICK PAVER

LIMESTONE

QUARRY TILE

GROUT

DIVISION 05: METALS



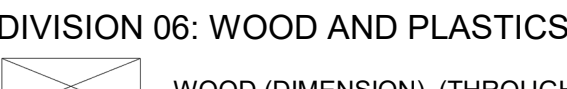
STEEL IRON (LARGE SCALE)



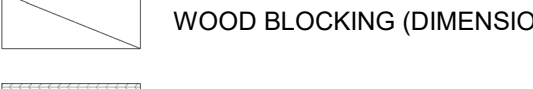
ALUMINUM



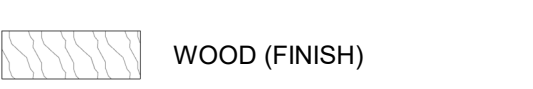
OTHER METALS (TBD PER PROJECT)



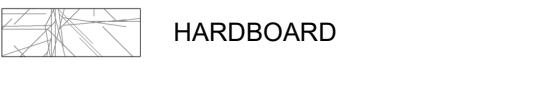
WOOD (DIMENSION) (THROUGH MEMBER)



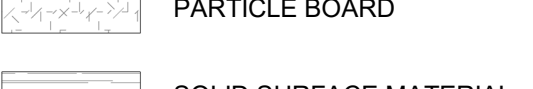
WOOD BLOCKING (DIMENSION) (INTERRUPTED MEMBER)



PLYWOOD



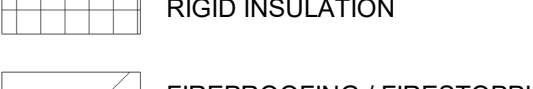
WOOD (FINISH)



HARDBOARD



PARTICLE BOARD



SOLID SURFACE MATERIAL



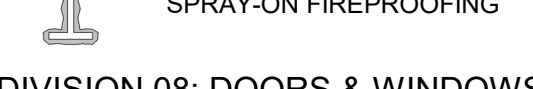
RIGID INSULATION



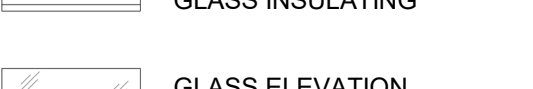
FIREPROOFING / FIRESTOPPING INSULATION



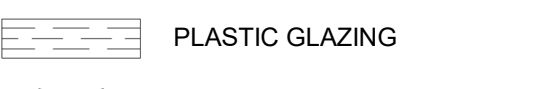
BLANKET INSULATION



LOOSE FILL INSULATION



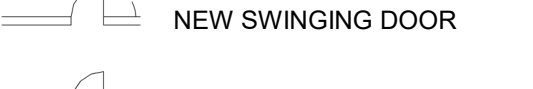
SEALANT W/ BACKER ROD



MEMBRANE WATERPROOFING & DRAINAGE MAT COMPOSITE SYSTEM



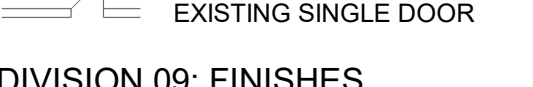
SPRAY-ON FIREPROOFING



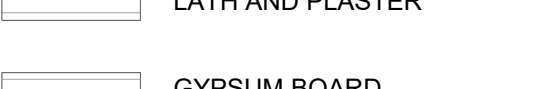
GLASS INSULATING



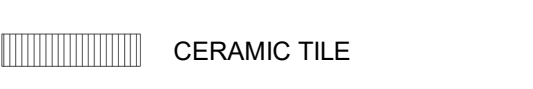
GLASS ELEVATION



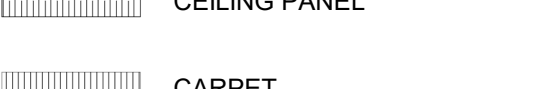
PLASTIC GLAZING



NEW DOUBLE DOOR



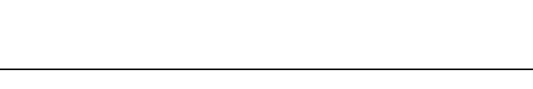
NEW SINGLE DOOR



NEW SWINGING DOOR



NEW DOUBLE ACTING DOOR



EXISTING DOUBLE DOORS



EXISTING SINGLE DOOR

LATH AND PLASTER

GYPSUM BOARD

CERAMIC TILE

CEILING PANEL

CARPET

FINISH

FINISH

FINISH

FINISH

FINISH

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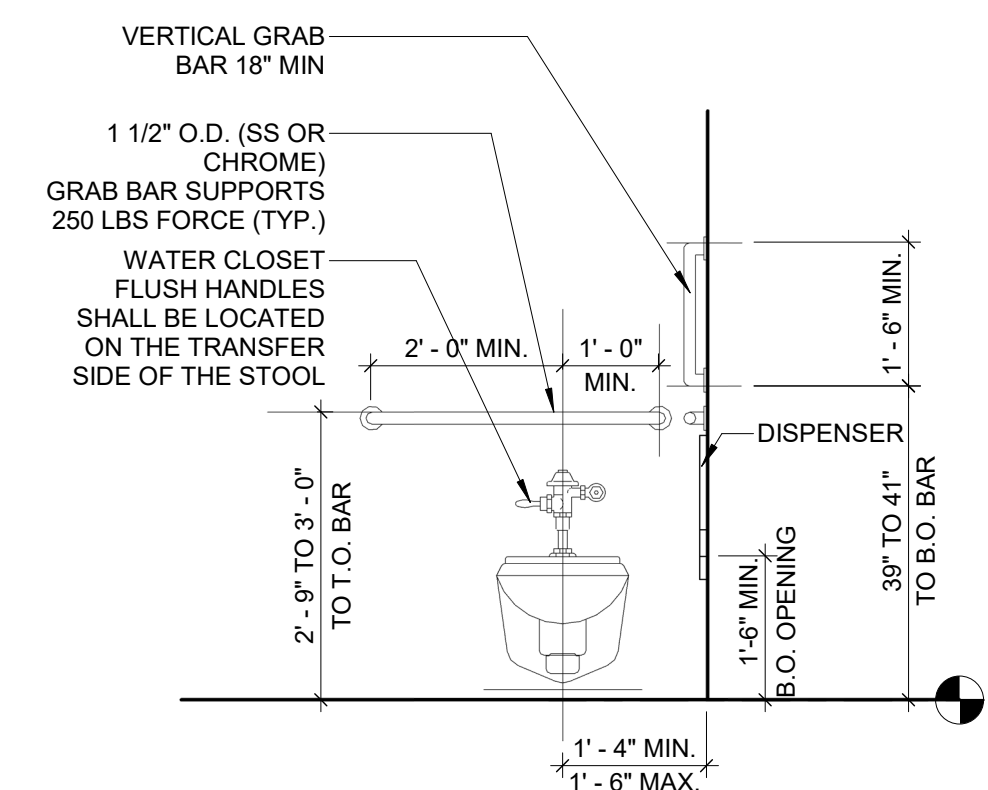
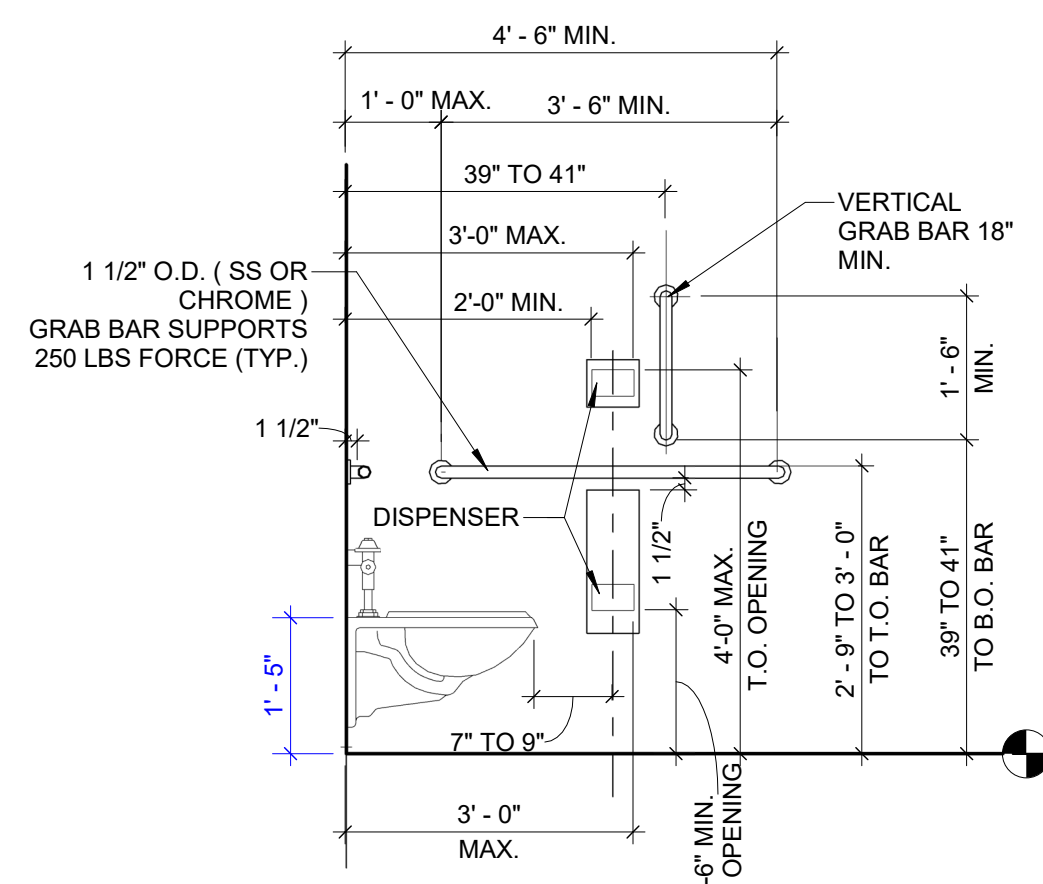
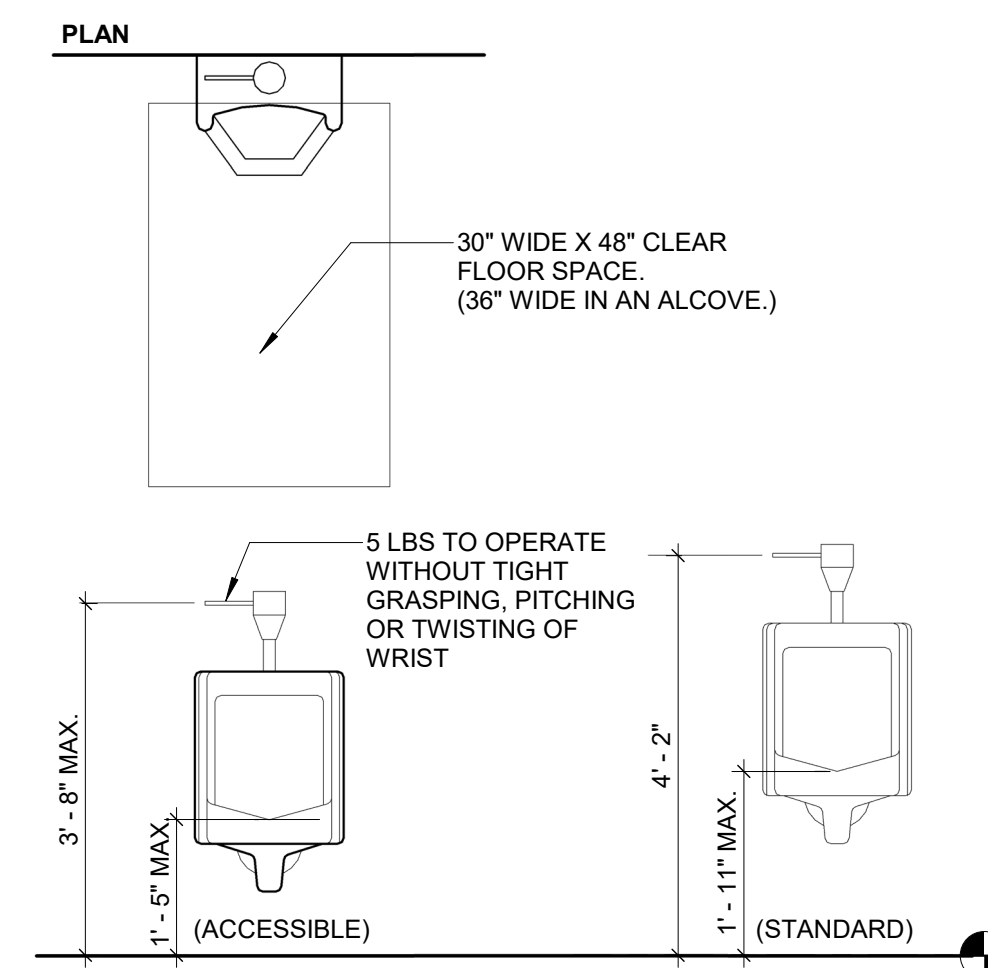
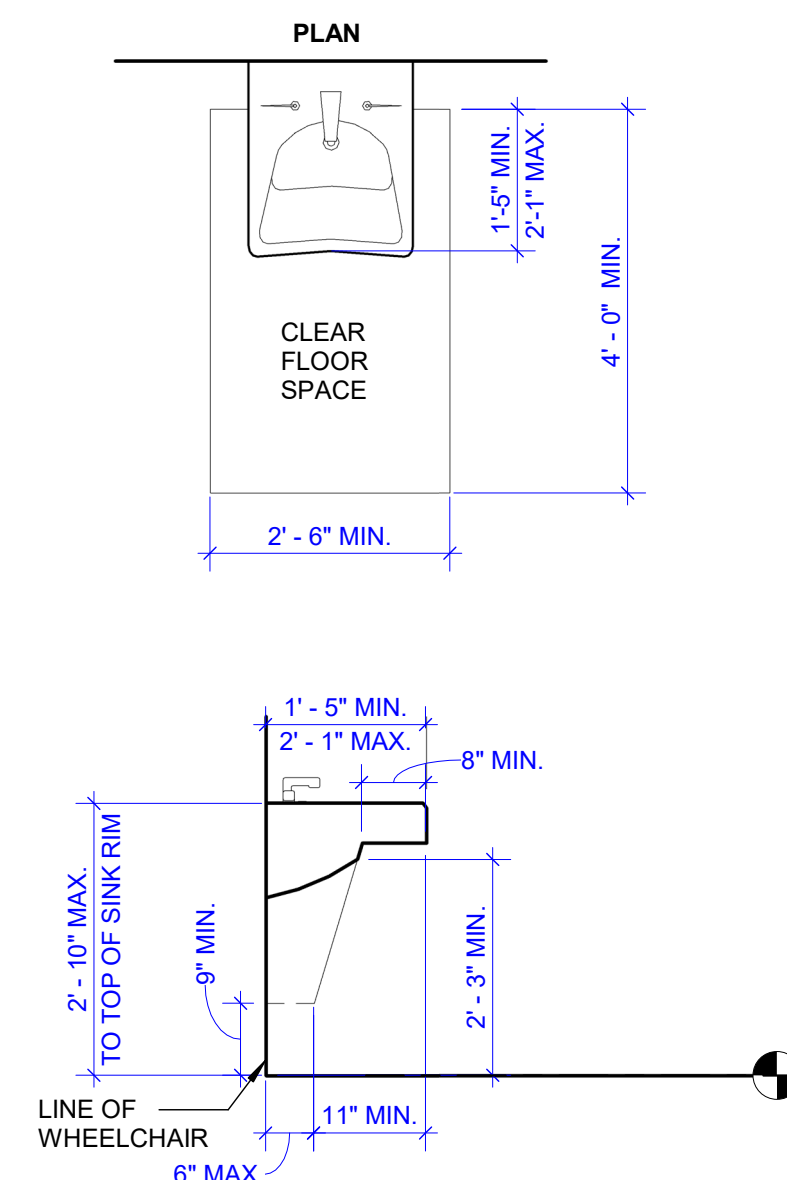
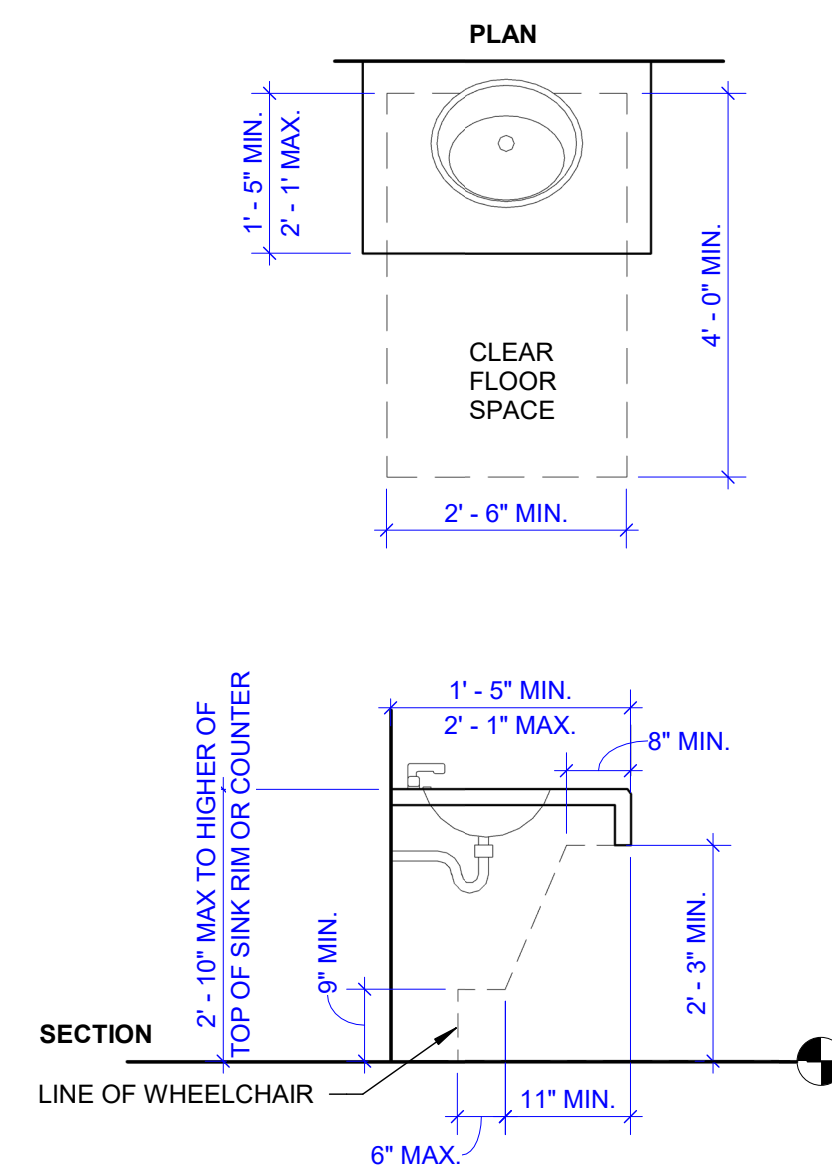
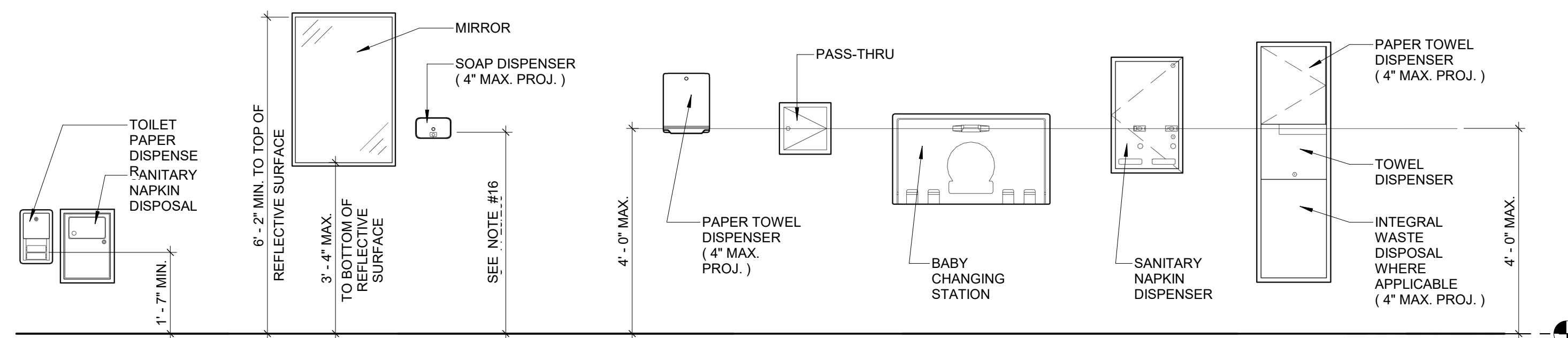
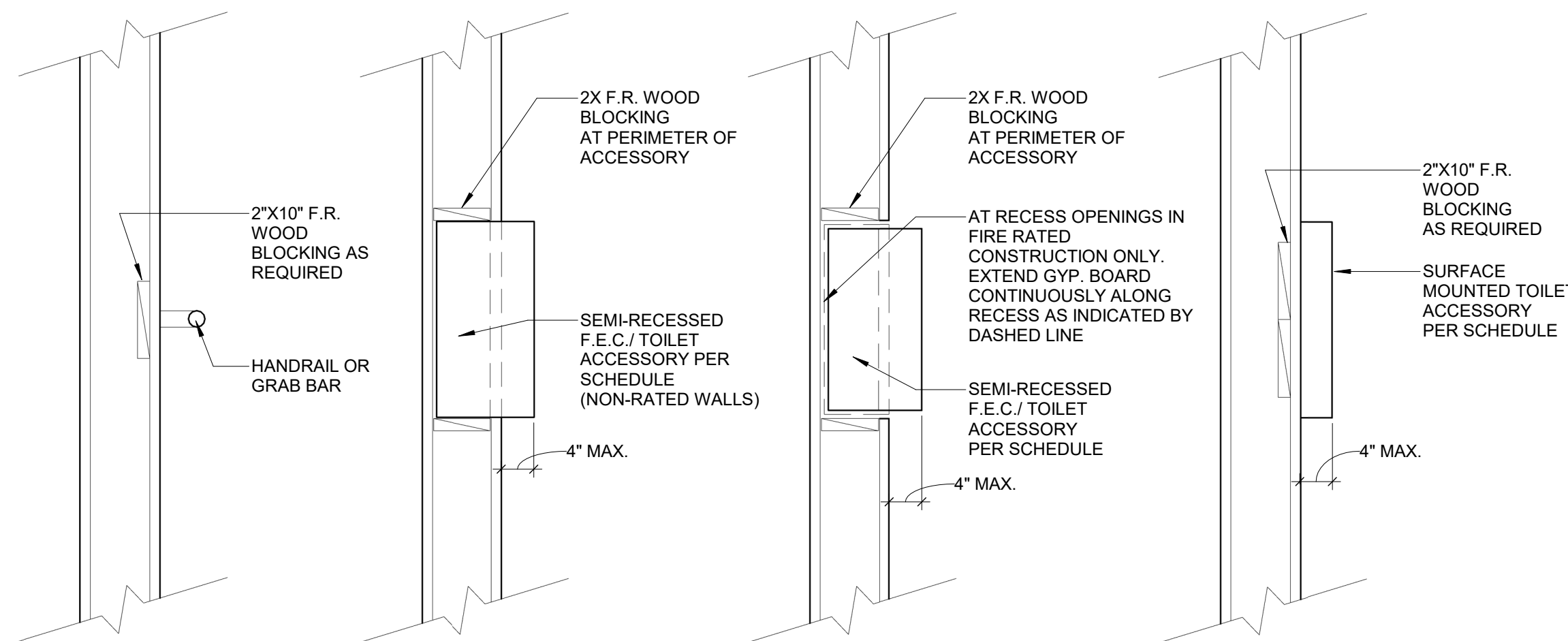
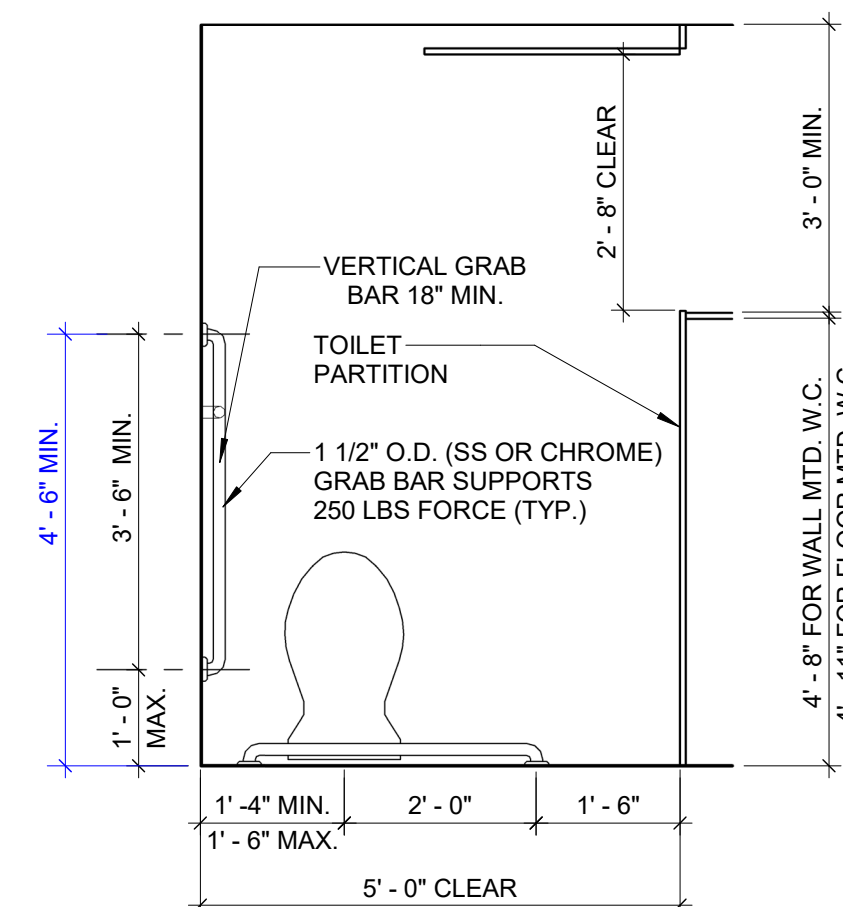
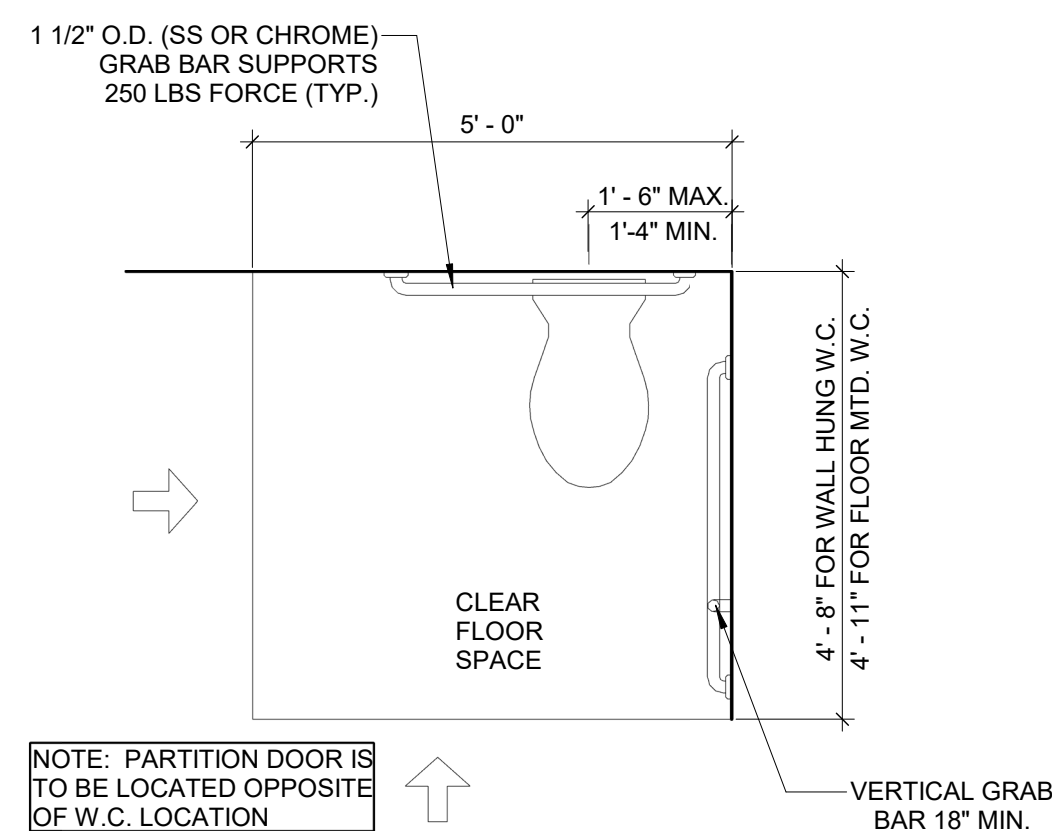
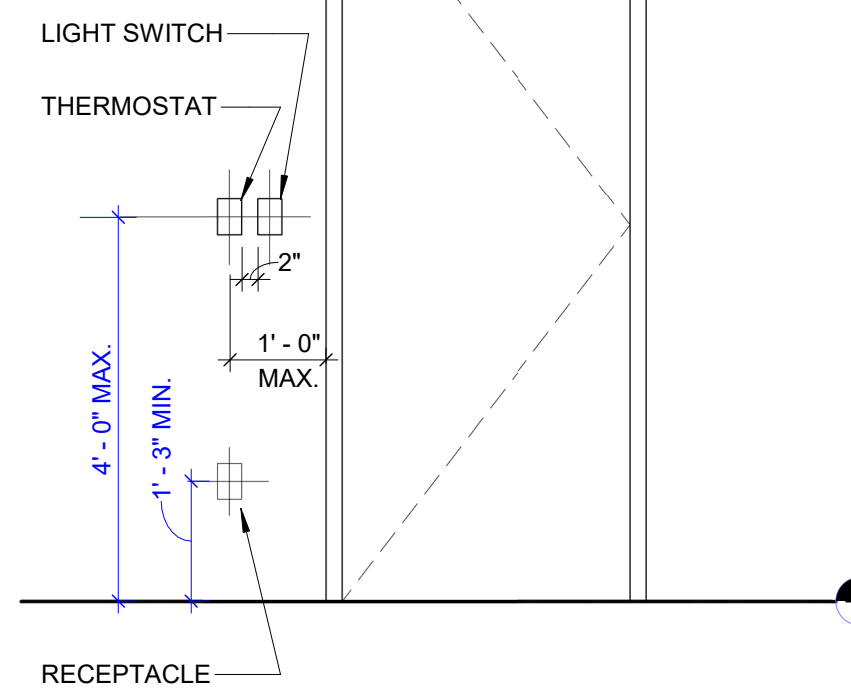
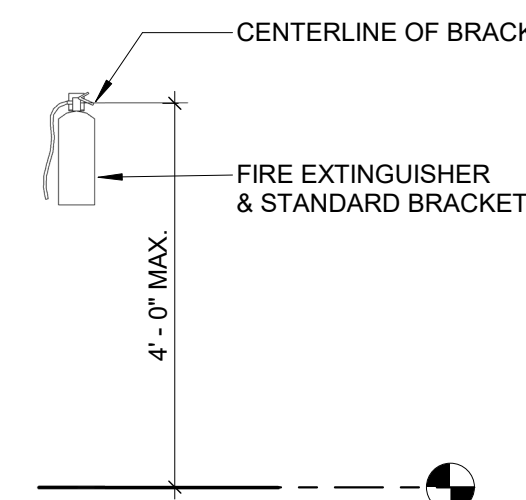
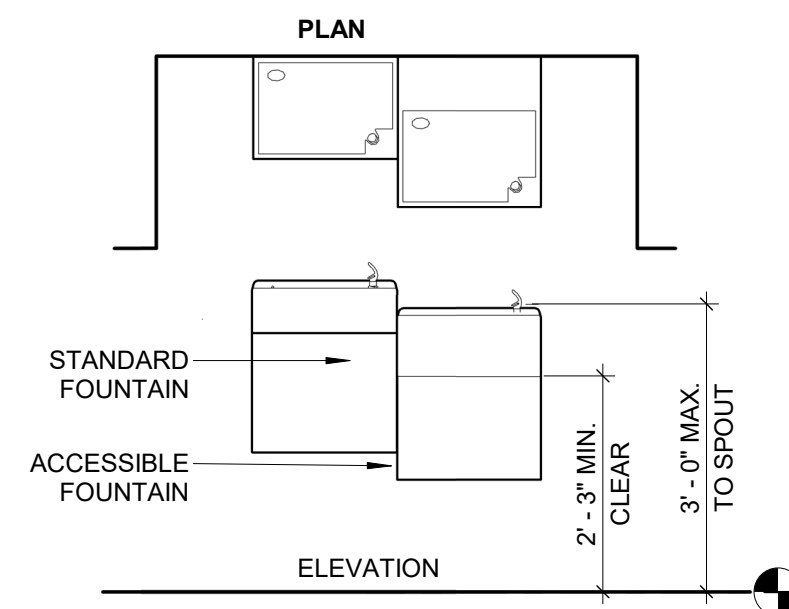
FINISH

FINISH

FINISH

FINISH

FINISH



1. NOTE: ALL DIMENSIONS ARE MEASURED FROM FLOOR, UNLESS NOTED OR SHOWN OTHERWISE.
2. ADA UNOBSTRUCTED REACH RANGES: ADA FORWARD REACH = 48" MAX. & 15" MIN. ADA SIDE REACH = 48" MAX. & 15" MIN.
3. ELEVATORS: STANDARD CALL BUTTONS: 35" TO 48" C.L. TO C. PROTRUDE 1" MAX. ADA CALL BUTTONS: 42" C.L. (TYP.) & 48" MAX. (3/4" SQUARE SET DIM.). ADA VISIBLE SIGNALS: TACTILE SIGNAL ON HOISTWAY: 60" TO BASE OF CHARACTERISTICS W/ TACTILE STAR & 2" HIGH CHARACTERS.
4. DOOR HARDWARE (TO CENTER OF HARDWARE): STANDARD MOUNTING HEIGHTS: PUSH PULLES = 42", PULL HANDLES = 42", KNOBS/LEVERS = 40", PANIC EYE = 42" CENTERLINE OF BAR, KICKPLATES: WIDTH = DOOR WIDTH MINUS 2" MIN. MAX. SLIDING = 16" FROM B.O. DOOR THRESHOLD. STANDARD = 1/2" MAX. AT EXT. SLIDING DOORS = 3/4" MAX. ADA HARDWARE = 34" MIN. TO 48" MAX.
5. SINKS & FOUNTAINS & EWC'S (TO SPOUT): STANDARD = 38" MIN. & 43" MAX. ADA = 38" MAX. (27" MIN. CLEAR KNEE SPACE)
6. COUNTERTOPS (TO SINK RIM / COUNTERTOP): ADA = 28" MIN. TO 34" MAX.
7. WATER CLOSETS (TO TOP OF SEAT): STANDARD = 56" MIN. (42" AT COUNTERTOP) & 57" STANDARD = 17" TO 19". ADA FLUSH CONTROLS = 44" MAX.
8. URINALS (TO RIM): STANDARD = 24" MAX. ADA 17" MAX. ADA FLUSH CONTROLS = 44" MAX.
9. LAUNDRIES (TO TOP OF TUB / COUNTERTOP): STANDARD = 36" MAX. ADA = 34" MAX. (29" MIN. CLEAR KNEE SPACE)
10. MIRRORS (TO B.O. REFLECTIVE SURFACE): STANDARD = VARIES. ADA = 40" MAX.
11. GARBAGE BARS - ADA (TO TOP OF BAR): WATER CLOSETS = 33" MIN. TO 36" MAX. SHOWERS = 33" MIN. TO 36" MAX. (FROM B.O. SHOWER). BATHTUBS: TOP BAR = 33" MIN. TO 36" MAX. BOT. BAR = 9" ABOVE T.O. TUB
12. SHOWER HEADS (TO TOP OF HEAD): STANDARD = 72" TO 84". ADA = SPRAY UNIT W/ HOSE 60" LONG MIN. ADA = FIXED SHOWER HEAD = 68" AFF.
13. SHOWER CONTROLS (TO CONTROL AREA): STANDARD = 38" MAX. (TO TOP): ADA = 38" MIN. TO 48" MAX.
14. SHOWER ROD (FROM FLOOR TO C.L.): STANDARD = 78" MAX.
15. TOILET ROOM PARTITIONS: TOILETS = 72" TO 80" MAX. (TO TOP). URINALS = 18" TO BOT. & 60" TO TOP.
16. TOILET PAPER DISPENSERS (TO C.L. OF OUTLET): STANDARD = 24". ADA = 19" MIN. TO 24" MAX.
17. WALL MOUNTED SOAP DISPENSERS (TO C. L. OF PUSH BUTTON): STANDARD = 40". ADA = VARIES. RE: UNOBSTRUCTED AND UNOBSTRUCTED REACH RANGES. ADA SIDE REACH = 46" MAX. ABOVE SINK INCOUNTER. RE: RECEPTACLE DISPENSER/WASTE RECEPTACLE: STANDARD = 40" MAX. ADA FORWARD REACH = 48" MAX. & 15" MIN. ADA SIDE REACH = 48" MAX. & 15" MIN.
18. WARM AIR HAND DRYER (TO PUSH SWITCH): STANDARD = 44" MAX. ADA FORWARD REACH = 48" MAX. & 15" MIN. ADA SIDE REACH = 48" MAX. & 15" MIN.
19. SANITARY NAPKIN DISPENSER (TO C.L. OF SLOT): STANDARD = 40" MAX. ADA FORWARD REACH = 48" MAX. & 15" MIN. ADA SIDE REACH = 48" MAX. & 15" MIN.
20. SANITARY NAPKIN DISPOSAL (TO TOP OF UNIT): STANDARD = 28" MAX. ADA = 19" MIN. TO 24" MAX. (TO OPEN)
21. W/ CLET SEAT (TO TOP OF DISPENSERS (TO TOP OPNG.)): STANDARD = 40" MAX. ADA FORWARD REACH = 48" MAX. & 15" MIN. ADA SIDE REACH = 48" MAX. & 15" MIN.
22. SHELVES: ADA = 48" MAX.
23. COAT HOOKS: STANDARD = 68". ADA = 48" MAX.
24. CHALKBOARDS, TACKBOARDS & MARKERBOARDS: STANDARD = 32" TO 39" (TO B.O. BOARD OR CHALKTRY). STANDARD = 80" (TO ELEMENTS). ADA = 48" MAX.
25. THERMOSTATS & CONTROL DEVICES (TO TOP): ADA FORWARD REACH = 48" MAX. ADA SIDE REACH = 48" MAX.
26. LIGHT SWITCHES & CARD READERS (TO C.L.): BELOW CEILING: STANDARD = 48" MAX. ADA = 48" MAX.
27. CONVENIENCE RECEPTABLES - ELECTRICAL / TELEPHONE / DATA (TO C.L.): STANDARD = 18". ADA = 15" MIN.
28. EXIT LIGHTS - WALL MOUNTED: 2" MIN. BELOW CEILING. (FROM NAME, ADA = 48" MAX. FRAME. EQUAL SPACE FROM CEILING TO TOP OF FRAME)
29. FIRE EXTINGUISHERS (TO TOP, U.N.O.): GROSS WT. 40 LBS. OR LESS = 60" MAX. GROSS WT. MORE THAN 40 LBS. = 42" MAX. ADA = 40" MAX. (B.O. CABINET)
30. FIRE ALARM PULL STATIONS (TO LEVER): STANDARD = 48" MAX. ADA FORWARD REACH = 48" MAX. ADA SIDE REACH = 48" MAX.
31. SMOKE AND/OR HEAT DETECTORS: STANDARD = CEILING HIGH
32. HORN / SPEAKER / VISUAL SIGNALS: STANDARD = 80" AFF. OR 6" BELOW CEILING - WHICHEVER IS LOWER.
33. SIGNS (TO C.L.): STANDARD = 60" HIGH AFF. & WITHIN 18" OF FLAT SIDE OF DOOR



FURNITURE MALL TENANT IMPROVEMENT

900 NW BLUE PARKWAY
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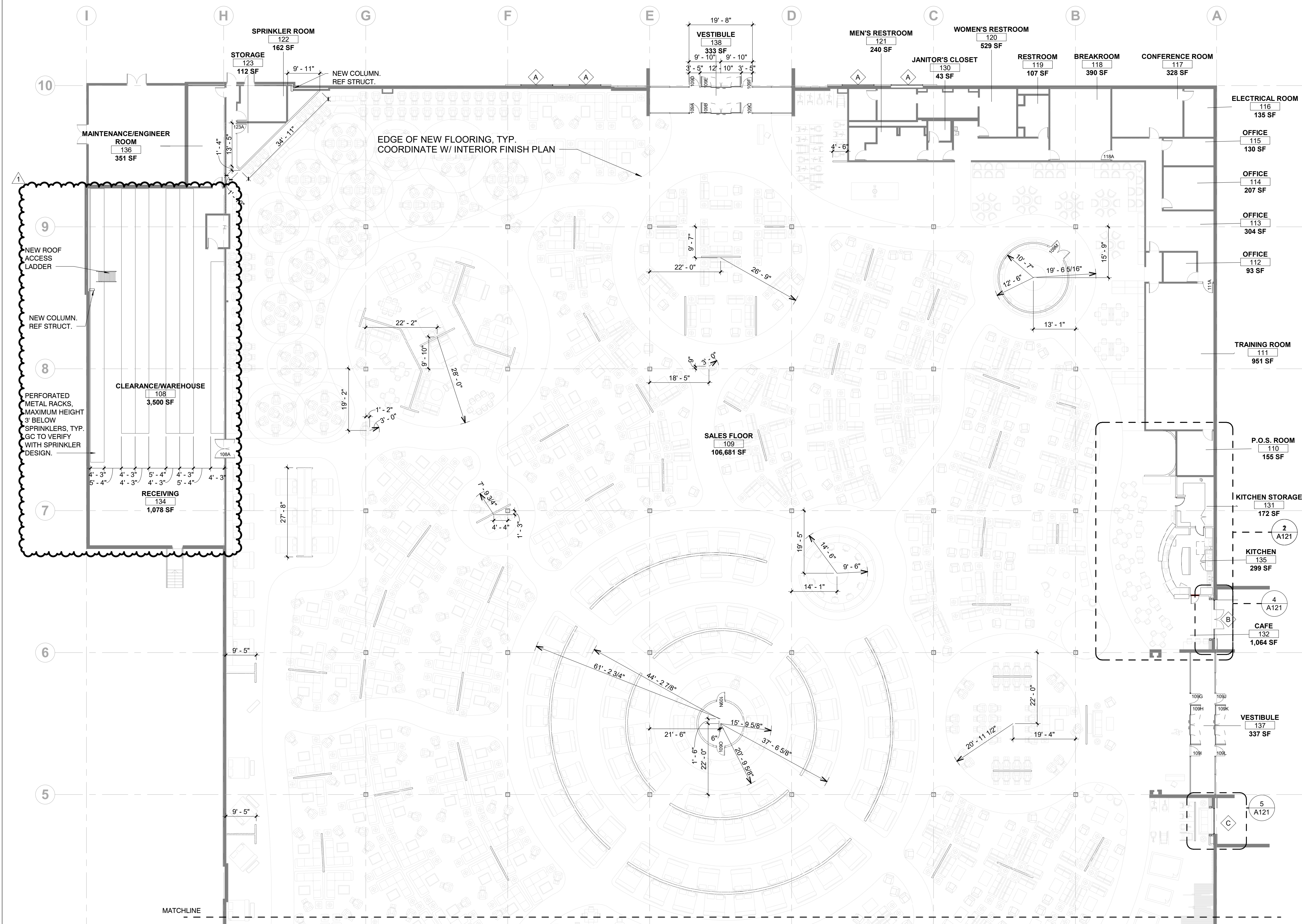
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date		02.10.2022
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rev	date	description

ACCESSIBILITY GUIDELINES

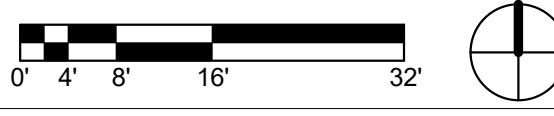
sheet number

NOTES

G003



- GENERAL NOTES - FLOOR PLANS:**
- DIMENSIONS SHOWN ON THE FLOOR PLAN ARE TO THE FACE OF GYP. BOARD/ WALL (FOG), FACE OF MASONRY (FOM), FACE OF CONCRETE WALLS (FOC), AND COLUMN GRID LINES, UNLESS NOTED OR SHOWN OTHERWISE.
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 - ALL EXISTING EXIT DOORS HAVE PANIC HARDWARE. CONTRACTOR TO VERIFY ALL DOORS AND HARDWARE FUNCTION PROPERLY.
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1	FLOOR PLAN
	1/16" = 1'-0"

NOTES

1/4" = 1'-0"



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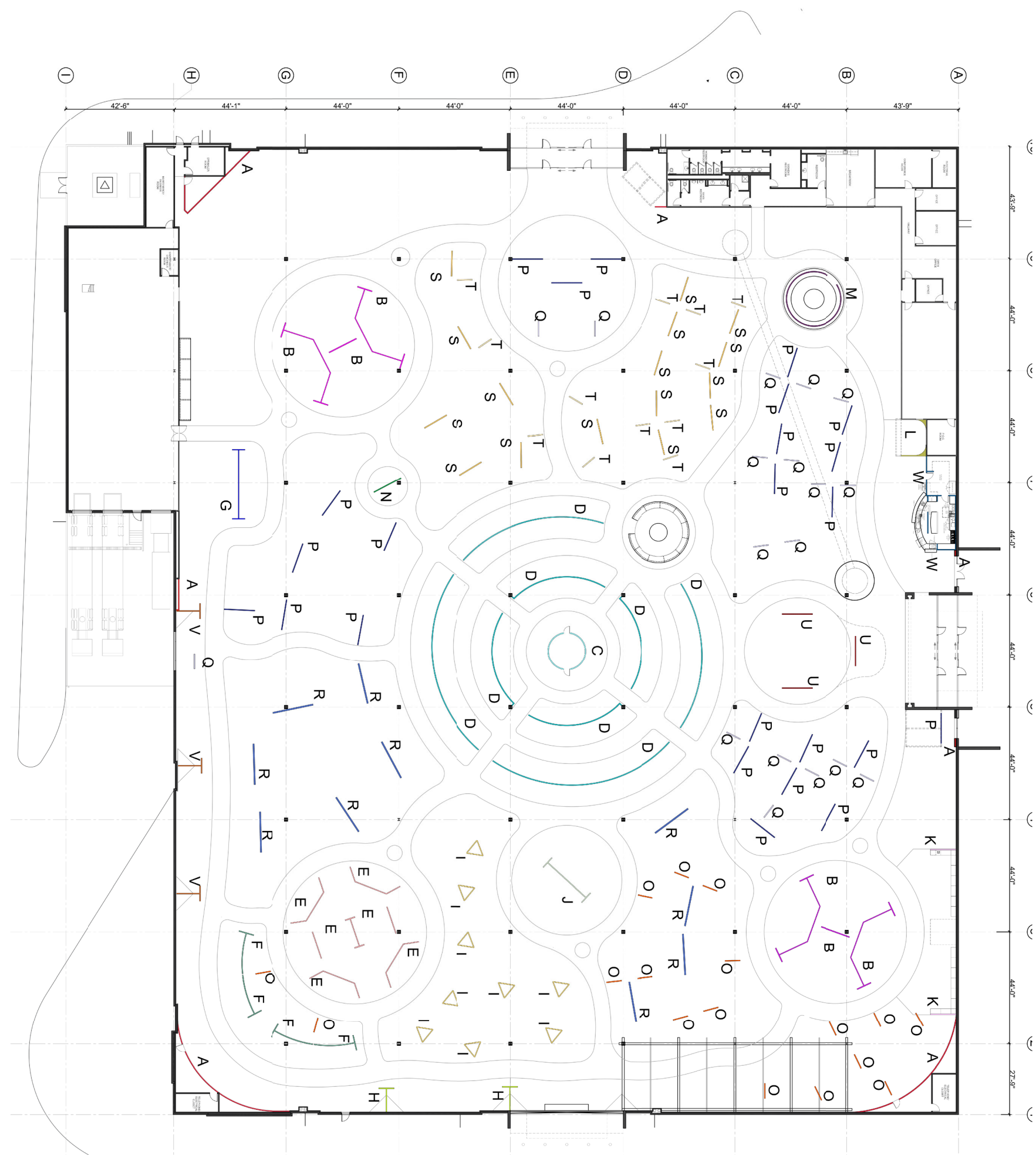
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FLOOR PLAN

sheet number

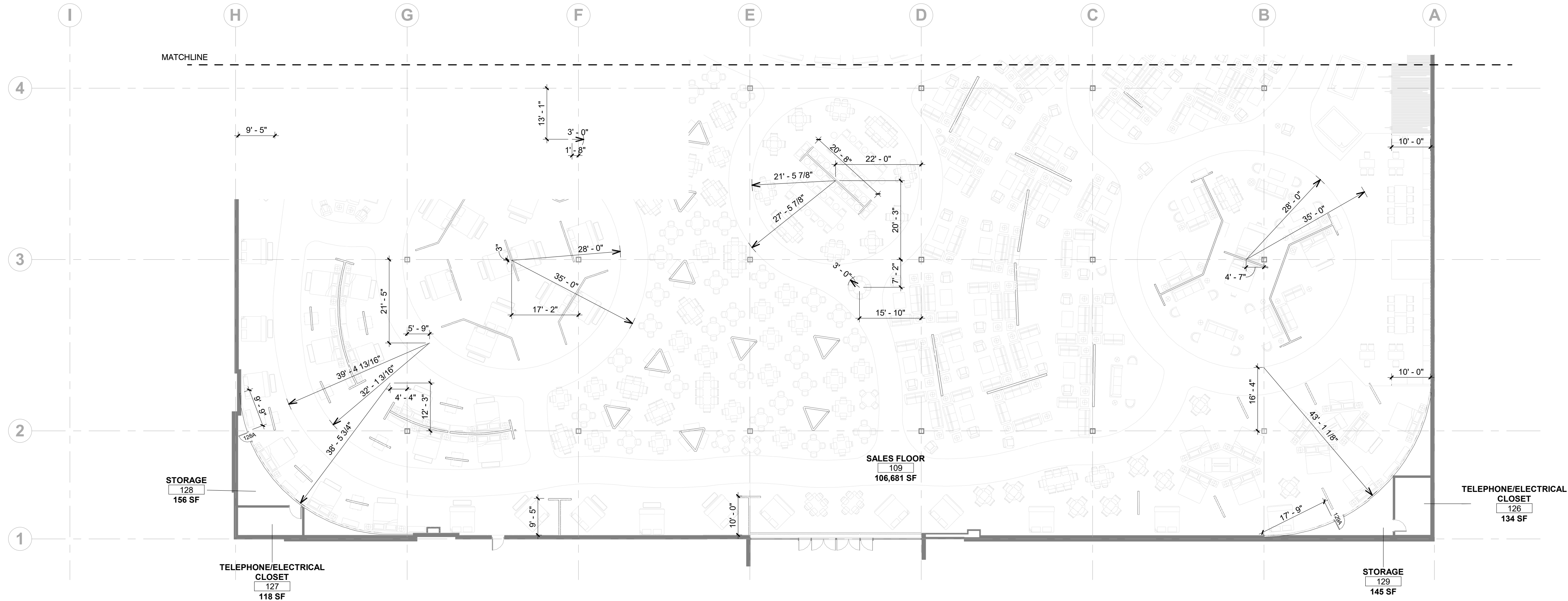
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TYPE	QUANTITY	TYPE	QUANTITY
A	N/A	M	QTY: 1
B	QTY: 6	N	QTY: 1
C	QTY: 1	O	QTY: 17
D	QTY: 8	P	QTY: 24
E	QTY: 7	Q	QTY: 18
F	QTY: 4	R	QTY: 10
G	QTY: 1	S	QTY: 16
H	QTY: 2	T	QTY: 12
I	QTY: 9	U	QTY: 3
J	QTY: 1	V	QTY: 3
K	QTY: 2	W	N/A
L	QTY: 1		

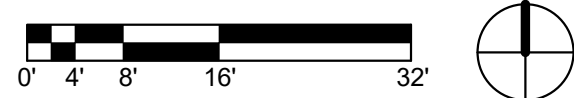
MERCHANDISE PLAN

NTS



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1 FLOOR PLAN

1/16" = 1'-0"

NOTES

1/4" = 1'-0"



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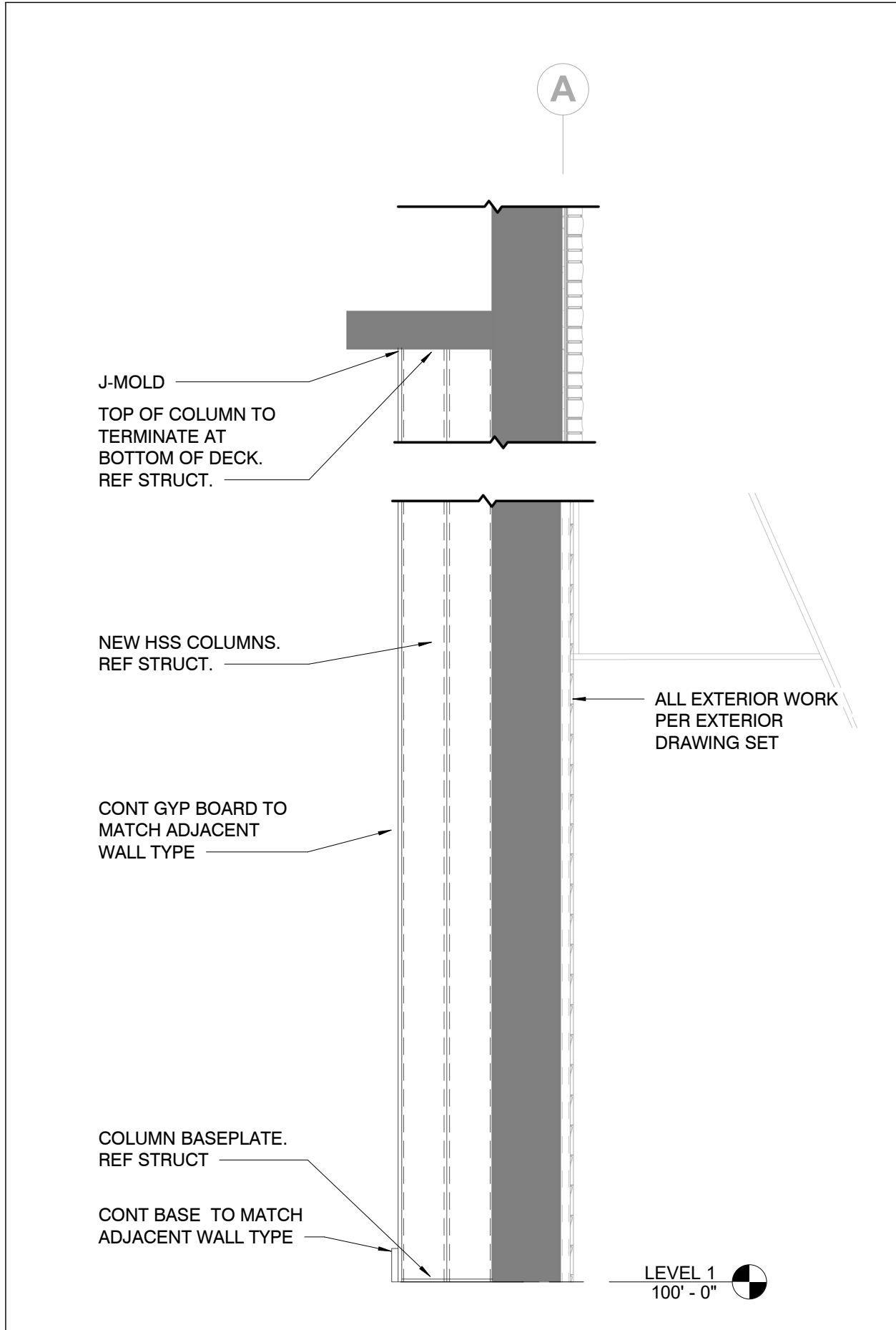
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FLOOR PLAN

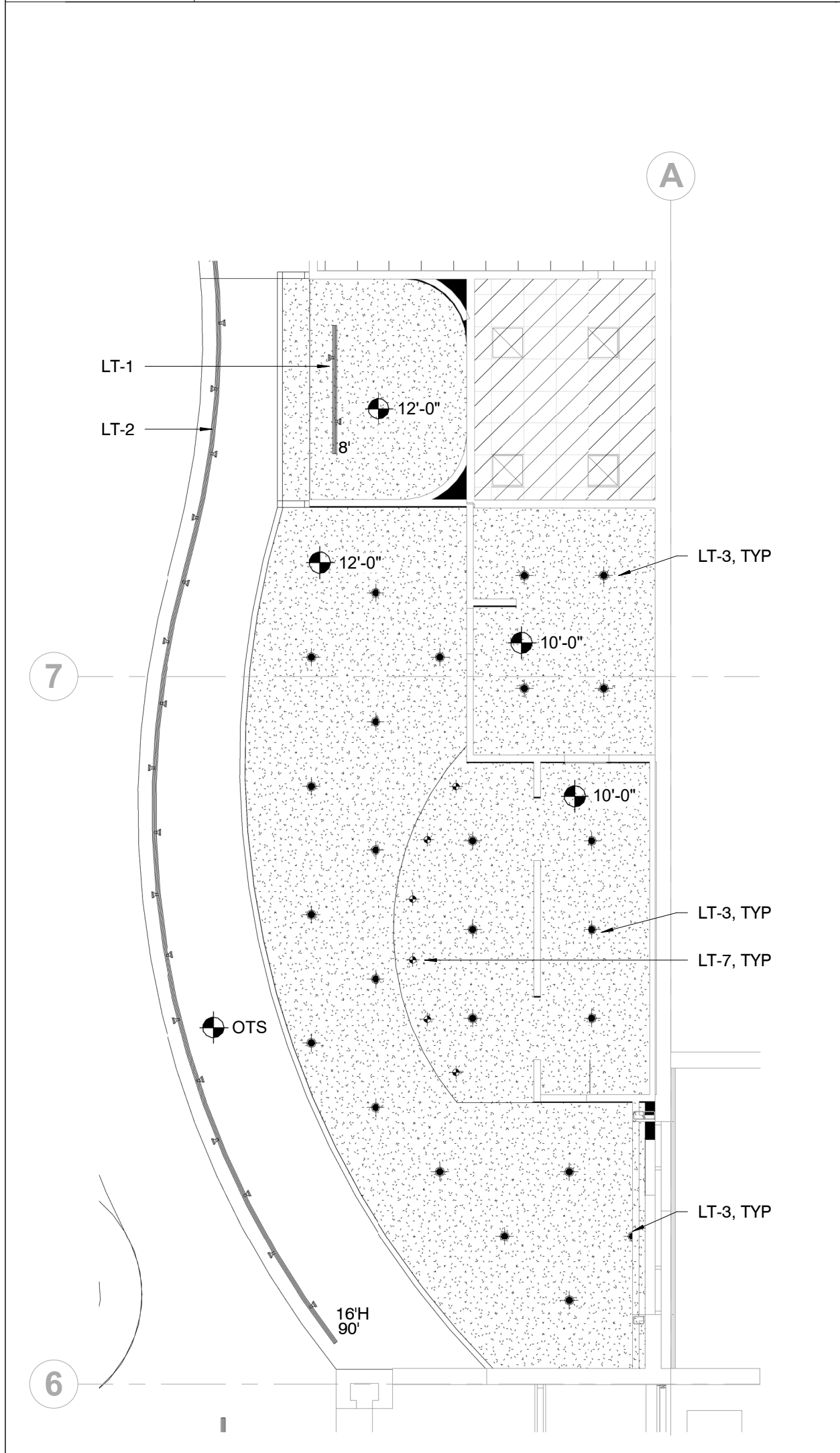
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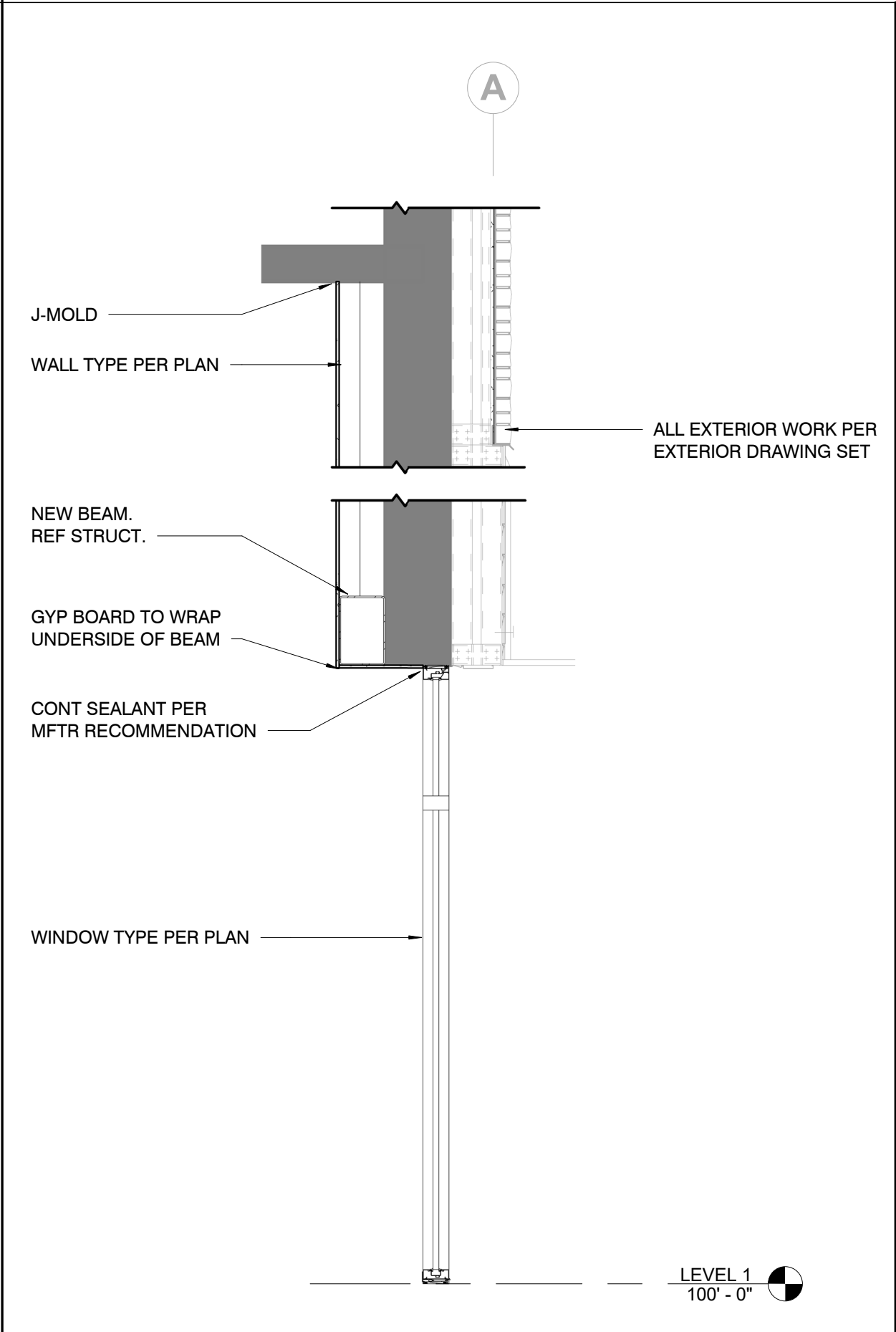
7 WALL SECTION

1/2" = 1'-0"



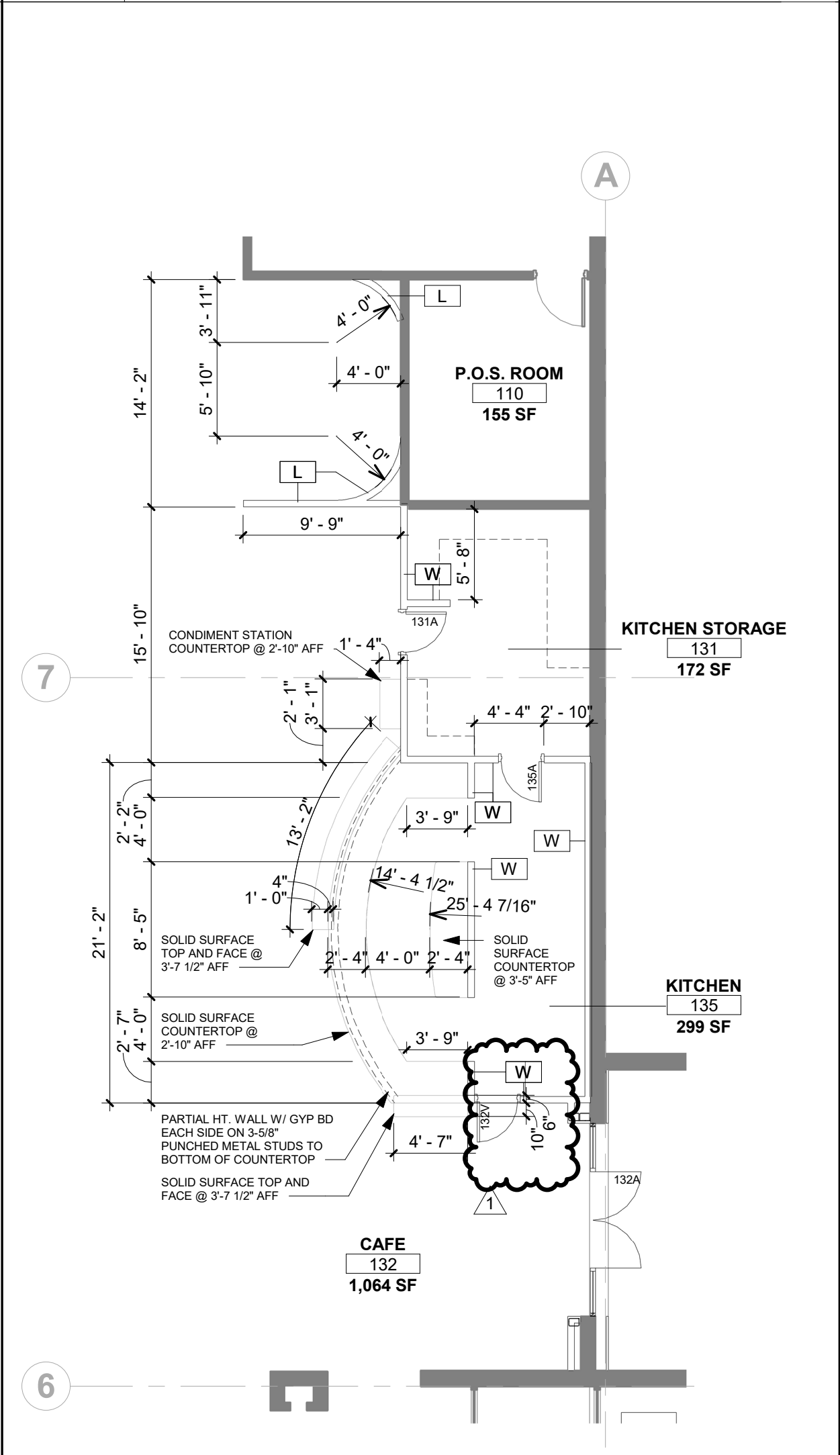
3 ENLARGED CAFE RCP

1/8" = 1'-0"



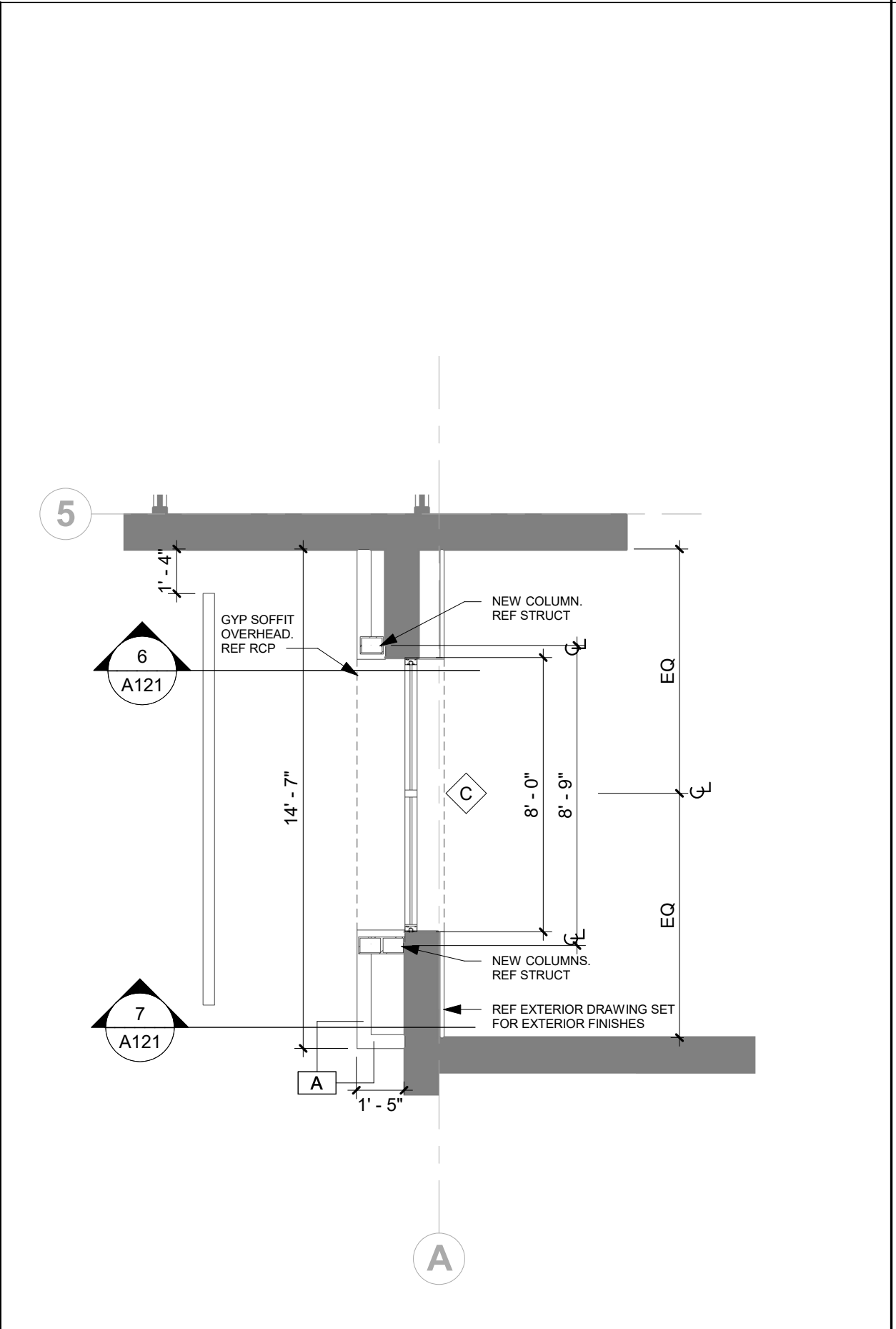
6 WALL SECTION

1/2" = 1'-0"



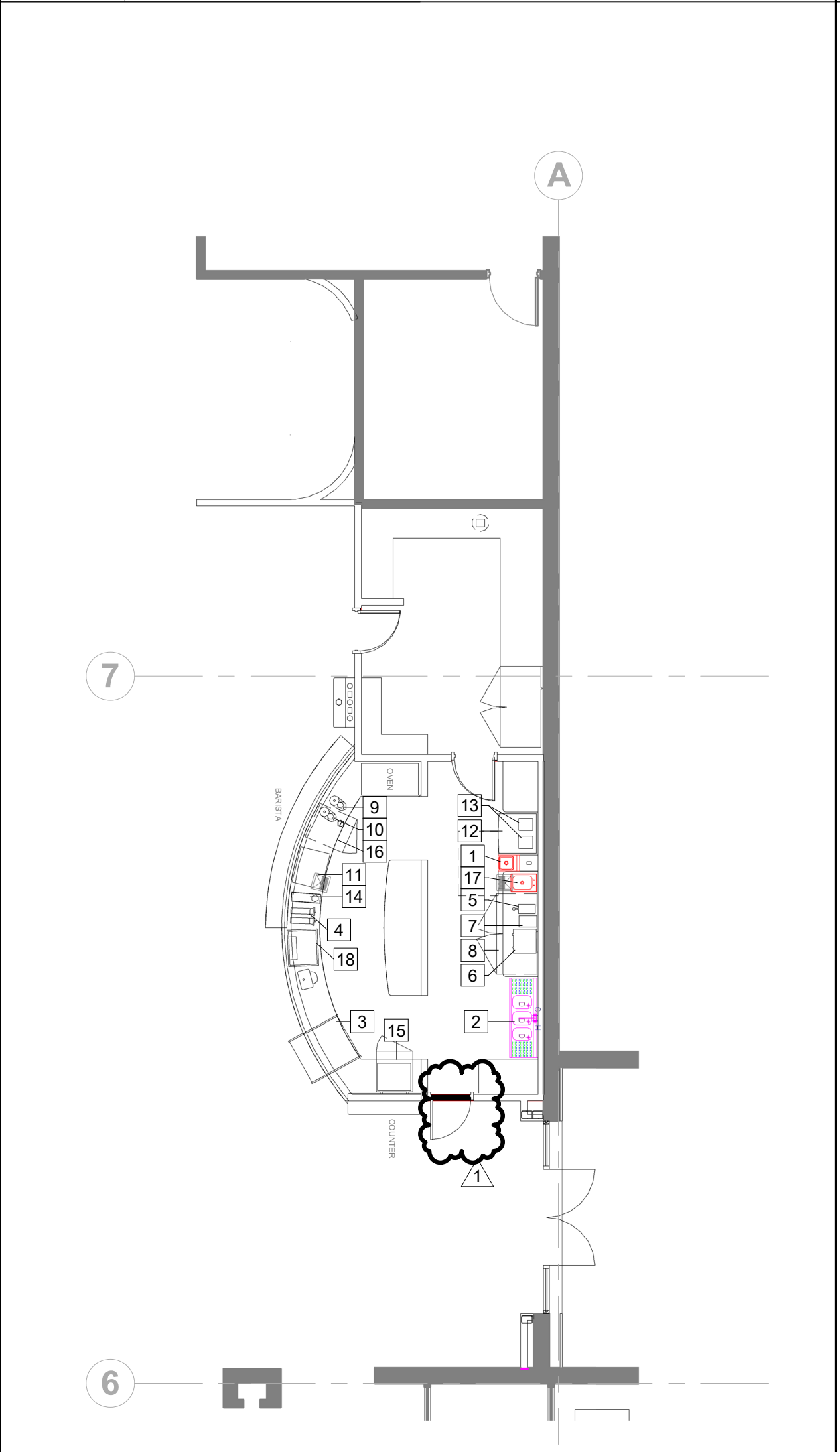
2 ENLARGED CAFE PLAN

1/8" = 1'-0"



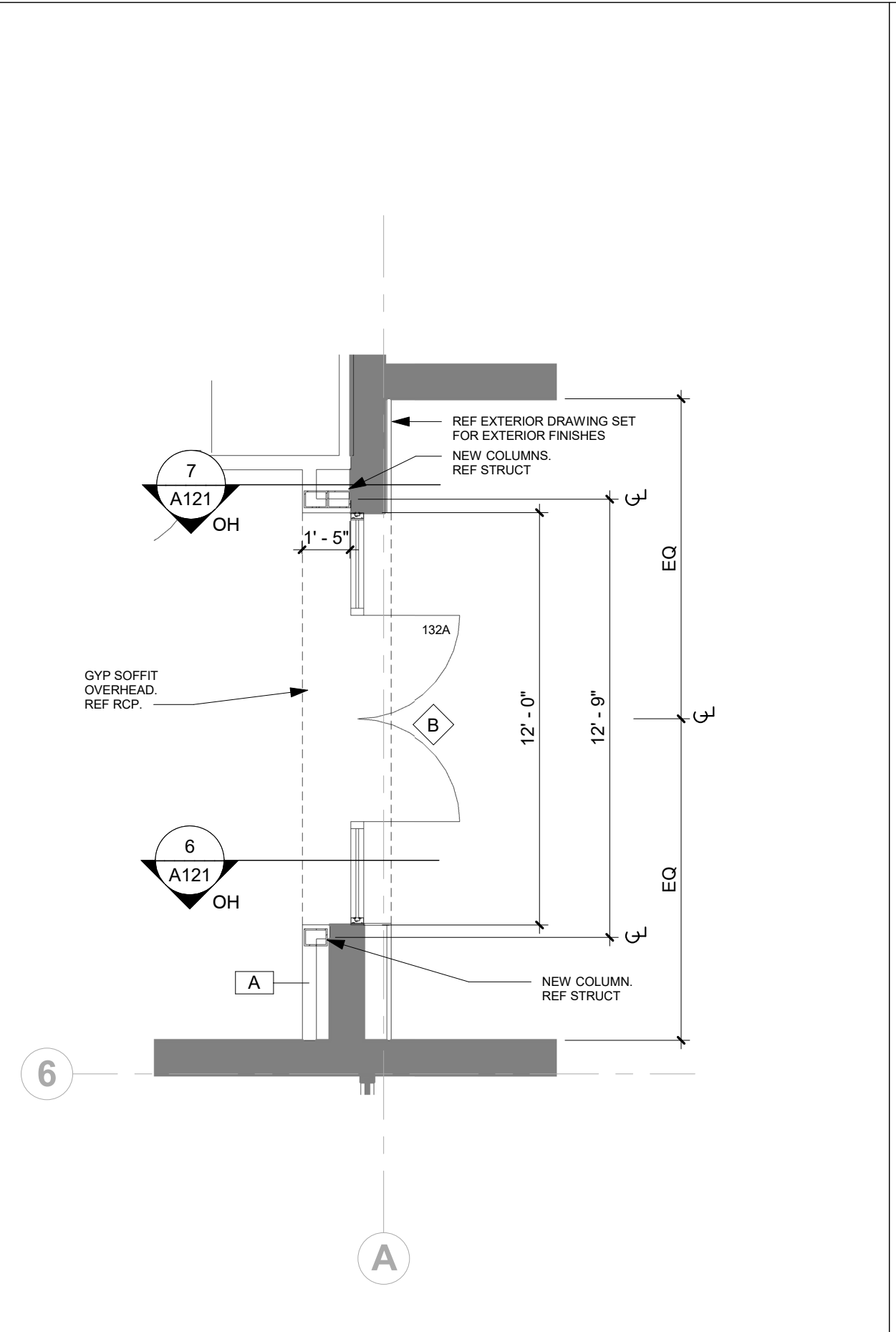
5 ENLARGED FLOOR PLAN

1/4" = 1'-0"



1 ENLARGED CAFE FIXTURE PLAN

1/8" = 1'-0"



4 ENLARGED FLOOR PLAN

1/4" = 1'-0"

EQUIPMENT SCHEDULE				
MARK	QTY	MANUFACTURER	EQUIPMENT	MODEL NUMBER
1	1	ADVANCE TABCO	SINK, DROP-IN	D1-I-1-SP
2	1	KROWNE METAL	UNDERBAR SINK	21-53C
3	1	STRUCTURAL CONCEPTS	DISPLAY CASE, MULTI TEMPERATURE	C323667
4	6	SAN JAMAR	DISPENSER, CUP	C2210C18
5	1	BUNN-O-MATIC	DISPENSER, HOT WATER	H5X
6	1	FETCO	COFFEE MAKER, AUTOMATIC	CBS-2032E
7	1	DITTING	COFFEE GRINDER	120V 750W
8	1	TRUE FOOD SERVICE	REFRIGERATOR, UNDERCOUNTER, COMPACT	TUC-60
9	1	ANFIM BEST	COFFEE GRINDER	ECA
10	1	MAZZER	COFFEE GRINDER	ROBUR
11	1	LA MARZOCCO	ESPRESSO MACHINE	LINEA EE 2GRP
12	1	MANITOWOC ICE	ICE MAKER W/ BIN	QD-0272A
13	2	BLENDTEC	ON COUNTER BLENDER	EZ SERIES
14	1	ESPRESSO PARTS	SINK, MISC.	PITCHER RINSER
15	1	TURBO AIR	FREEZER, WORKTOP	TWF-28SD
16	1	TRUE FOOD SERVICE	REFRIGERATOR, UNDERCOUNTER, COMPACT	TUC-27-ADA
17	1	ADVANCE TABCO	HAND SINK, WALL MOUNT	7-PS-56
18	1	PACIFIC STAINLESS PRODUCTS	DRIP TRAY, DROP-IN	DP20X24 CUSTOM

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NOTES

1/4" = 1'-0"

HIVE

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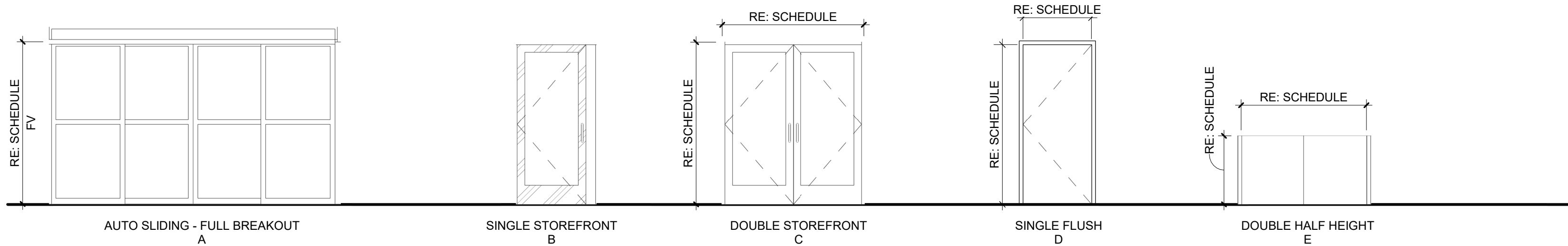
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sheet number

ENLARGED FLOOR PLANS AND WALL SECTIONS

A121

DOOR SCHEDULE										
DOOR #	ROOM: NAME	WIDTH	HEIGHT	DOOR MATERIAL	DOOR TYPE	FRAME MATERIA L	HARDWARE	HEAD	JAMB	REMARKS
108A	CLEARANCE/WAREHOUSE	6' - 0"	7' - 0"	WD	D	HM	STOREROOM - DOUBLE ACTING	2/A511	1/A511	
109A	SALES FLOOR	3' - 0"	7' - 0"	AL/GL	B	AL	EGRESS	PER MFTR	PER MFTR	
109B	SALES FLOOR	12' - 5"	7' - 0"	AL/GL	A	AL	EGRESS	PER MFTR	PER MFTR	
109C	SALES FLOOR	3' - 0"	7' - 0"	AL/GL	B	AL	EGRESS	PER MFTR	PER MFTR	
109D	VESTIBULE	3' - 0"	7' - 0"	AL/GL	B	AL	EGRESS	PER MFTR	PER MFTR	
109E	VESTIBULE	12' - 5"	7' - 0"	AL/GL	A	AL	EGRESS	PER MFTR	PER MFTR	
109F	VESTIBULE	3' - 0"	7' - 0"	AL/GL	B	AL	EGRESS	PER MFTR	PER MFTR	
109G	SALES FLOOR	3' - 0"	7' - 0"	AL/GL	B	AL	EGRESS	PER MFTR	PER MFTR	
109H	SALES FLOOR	12' - 5"	7' - 0"	AL/GL	A	AL	EGRESS	PER MFTR	PER MFTR	
109I	SALES FLOOR	3' - 0"	7' - 0"	AL/GL	B	AL	EGRESS	PER MFTR	PER MFTR	
109J	VESTIBULE	3' - 0"	7' - 0"	AL/GL	B	AL	EGRESS	PER MFTR	PER MFTR	
109K	VESTIBULE	12' - 5"	7' - 0"	AL/GL	A	AL	EGRESS	PER MFTR	PER MFTR	
109L	VESTIBULE	3' - 0"	7' - 0"	AL/GL	B	AL	EGRESS	PER MFTR	PER MFTR	
109M	SALES FLOOR	5' - 6"	3' - 0"	WD	E	HM	PASSAGE		1/A511	
109N	SALES FLOOR	2' - 6"	7' - 0"	WD	D	HM	STOREROOM	2/A511	1/A511	
109O	SALES FLOOR	2' - 6"	7' - 0"	WD	D	HM	STOREROOM	2/A511	1/A511	
111A	TRAINING ROOM	3' - 0"	7' - 0"	WD	D	HM	PASSAGE	2/A511	1/A511	
118A	BREAKROOM	3' - 0"	7' - 0"	WD	D	HM	PASSAGE	2/A511	1/A511	
123A	STORAGE	3' - 0"	7' - 0"	WD	D	HM	STOREROOM	2/A511	1/A511	
128A	STORAGE	2' - 6"	7' - 0"	WD	D	HM	STOREROOM	2/A511	1/A511	
129A	SALES FLOOR	2' - 6"	7' - 0"	WD	D	HM	STOREROOM	2/A511	1/A511	
131A	KITCHEN STORAGE	2' - 6"	7' - 0"	WD	D	HM	STOREROOM	2/A511	1/A511	
132A	CAFE	6' - 0"	7' - 0"	AL/GL	C	AL	EGRESS	PER MFTR	PER MFTR	
135A	KITCHEN	2' - 6"	7' - 0"	WD	D	HM	STOREROOM	2/A511	1/A511	



DOOR TYPES

1/4" = 1'-0"

NOTES

1 1/2" = 1'-0"

DOOR HEADER / JAMB SCHEDULE		
OPENING	HEADER	JAMB STUDS
UP TO 4'-0"	2'-6" 18 GA	(2) 18 GA
4'-1" TO 8'-0"	2'-8" 16 GA	(3) 18 GA
8'-1" TO 12'-0"	2'-10" 16 GA	(4) 18 GA

NOTES:
1. FOR OPENINGS GREATER THAN 12'-0" STUDS ARE SUPPORTED VERTICALLY BY STRUCTURE AND HORIZONTALLY BY DIAGONAL BRACING. PROVIDE HEADER AND JAMB STUDS PER 8'-0" OPENING.
2. INCREASE JAMB STUD GAUGE IF HEIGHT REQUIRES IT.

- GENERAL NOTES:
- HM REFERS TO HOLLOW METAL
 - AL REFERS TO ALUMINUM
 - WD REFERS TO WOOD
 - ALL EXTERIOR ALUMINUM DOORS & FRAMES ARE TO BE FINISHED TO MATCH ADJACENT ALUMINUM WINDOW FRAME, U.N.O.
 - REFER TO FINISH SCHEDULE FOR FINISH OF INTERIOR DOORS AND FRAMES.
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DOOR TYPES AND SCHEDULE

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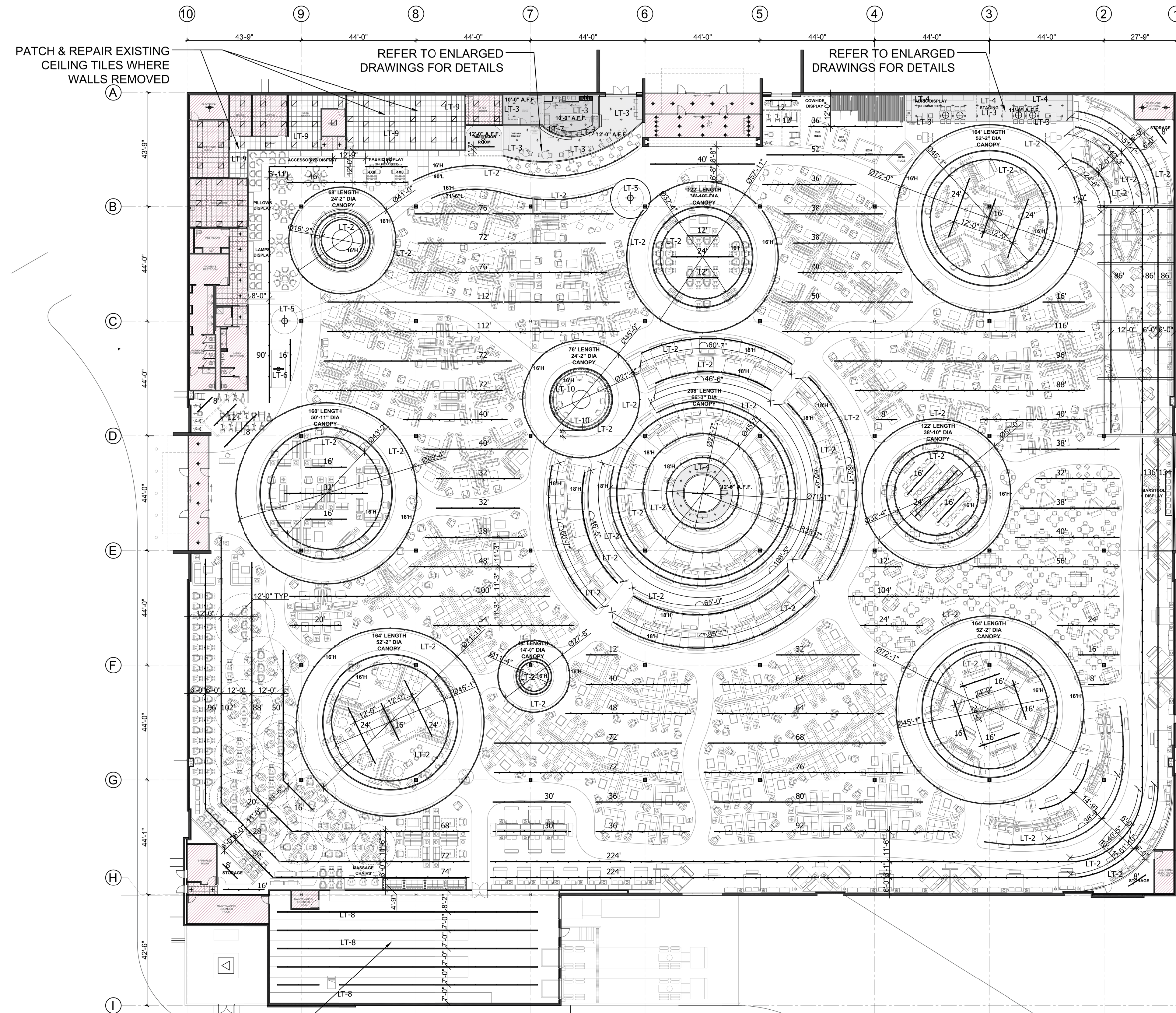
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REFLECTED
CEILING PLAN

sheet number

A611



REFLECTED CEILING PLAN

NTS

INDICATES NO WORK

** ALL LINEAR TRACK LIGHTING AT 14'H
UNLESS OTHERWISE NOTED

BREAKDOWN

- LT-1 INDICATES LINEAR TRACK LIGHTING
11'-0" A.F.F. 8 FOOT 6 FOOT 4 FOOT
- LT-2 INDICATES CURVED TRACK LIGHTING
- LT-3 INDICATES RECESSED LIGHT FIXTURES
- LT-4 INDICATES RECESSED WALL WASHER LIGHTS
- LT-5 INDICATES SILO PENDANT LIGHTS
- LT-6 INDICATES GAS STATION STREET LAMP
- LT-7 INDICATES CUSTOMER CAFE COUNTER PENDANT LIGHTING
- LT-8 INDICATES EXISTING WAREHOUSE LINEAR LIGHTING
- LT-9 INDICATES 2'X2' CEILING GRID WITH 2'X2' RECESSED LIGHTS



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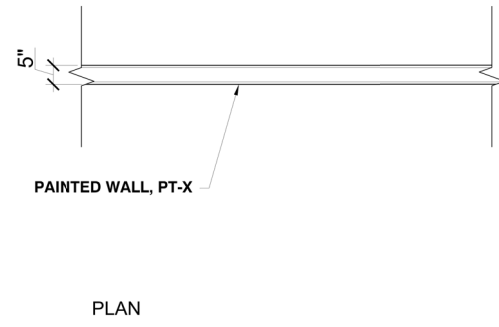
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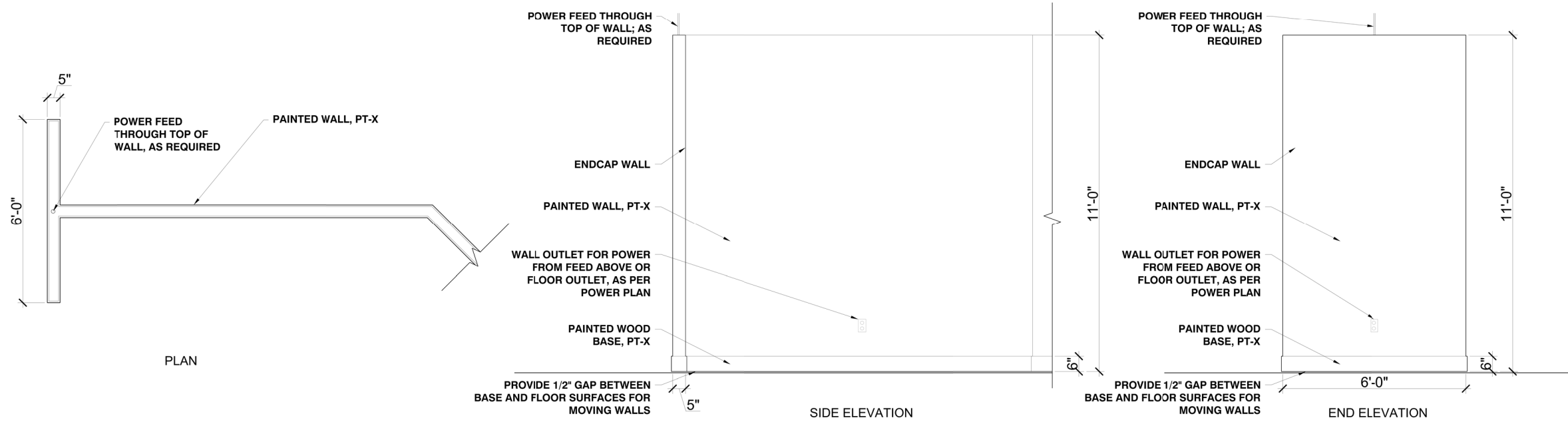
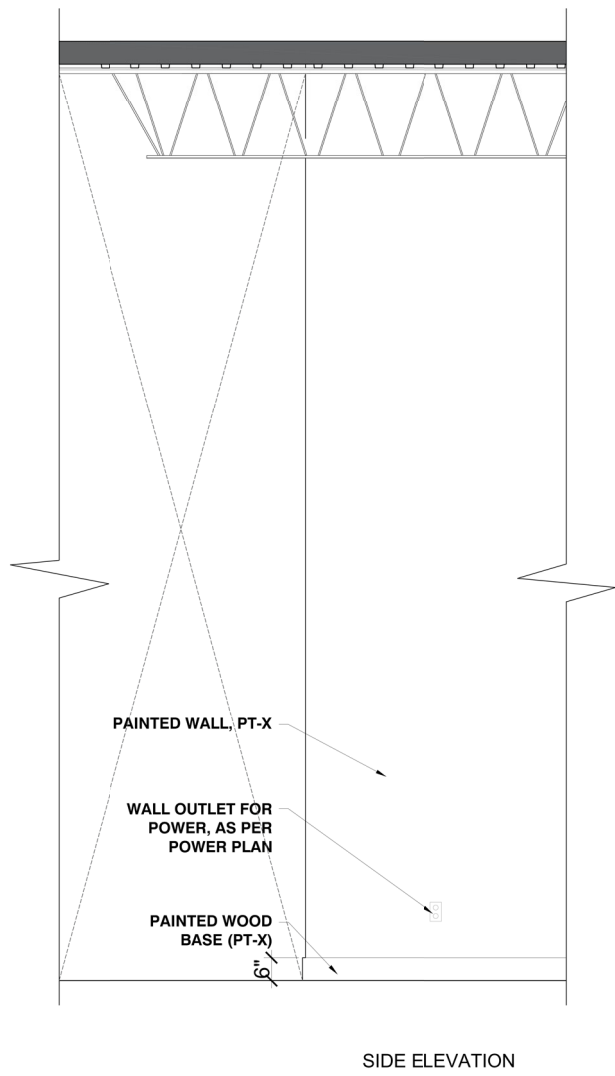
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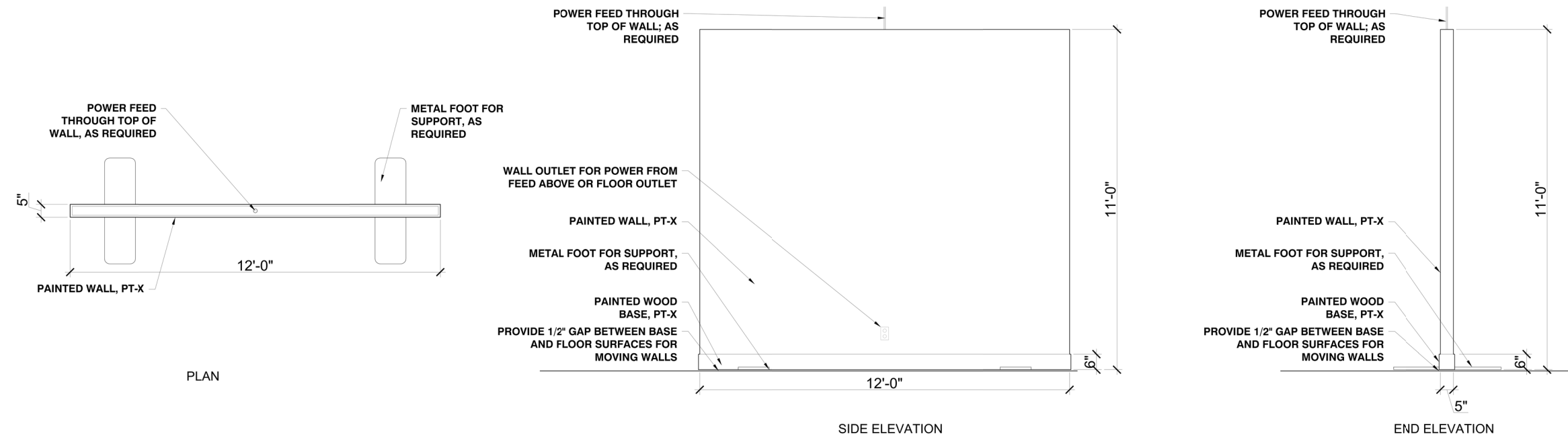
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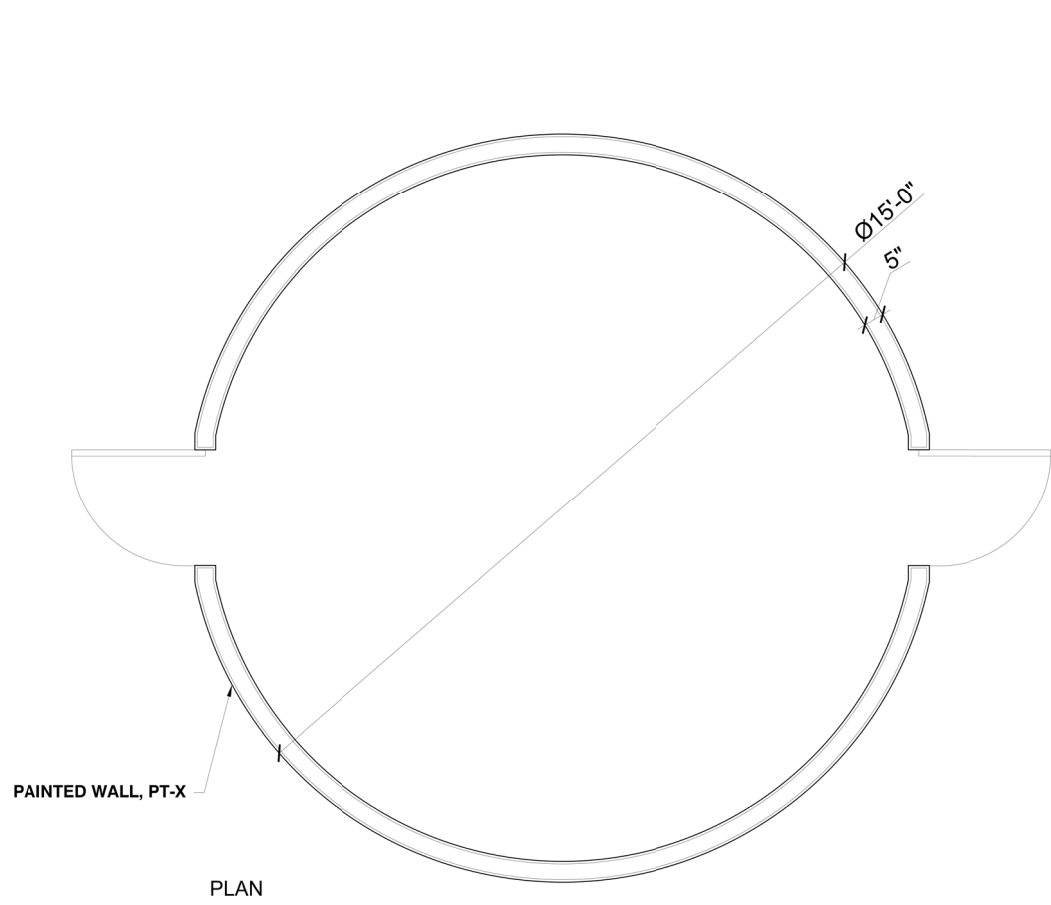
TYPE A
INDICATES FULL HEIGHT FIXED WALLS TO UNDERSIDE OF ROOF DECK



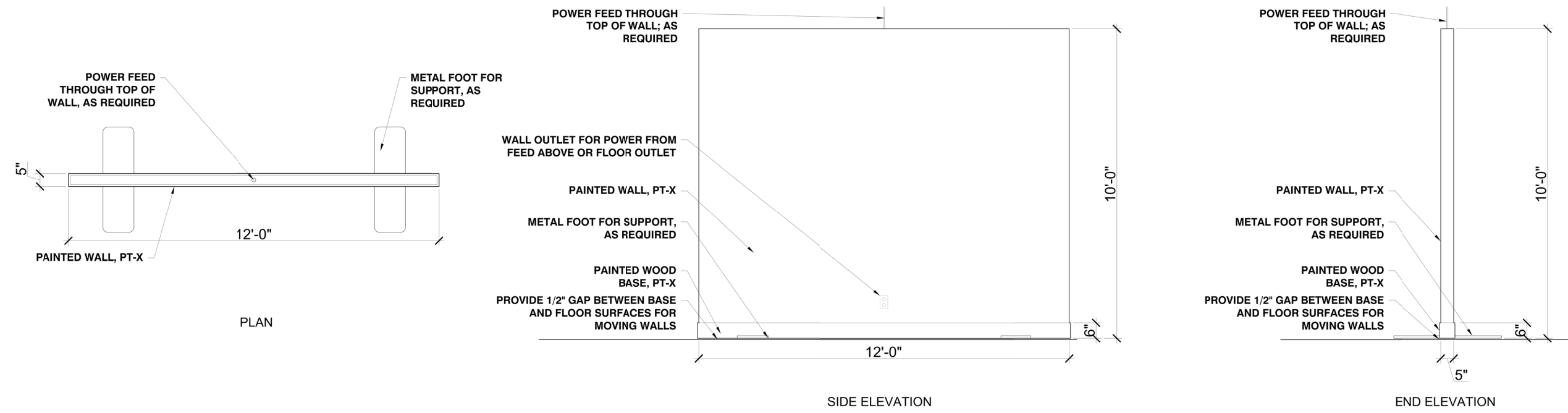
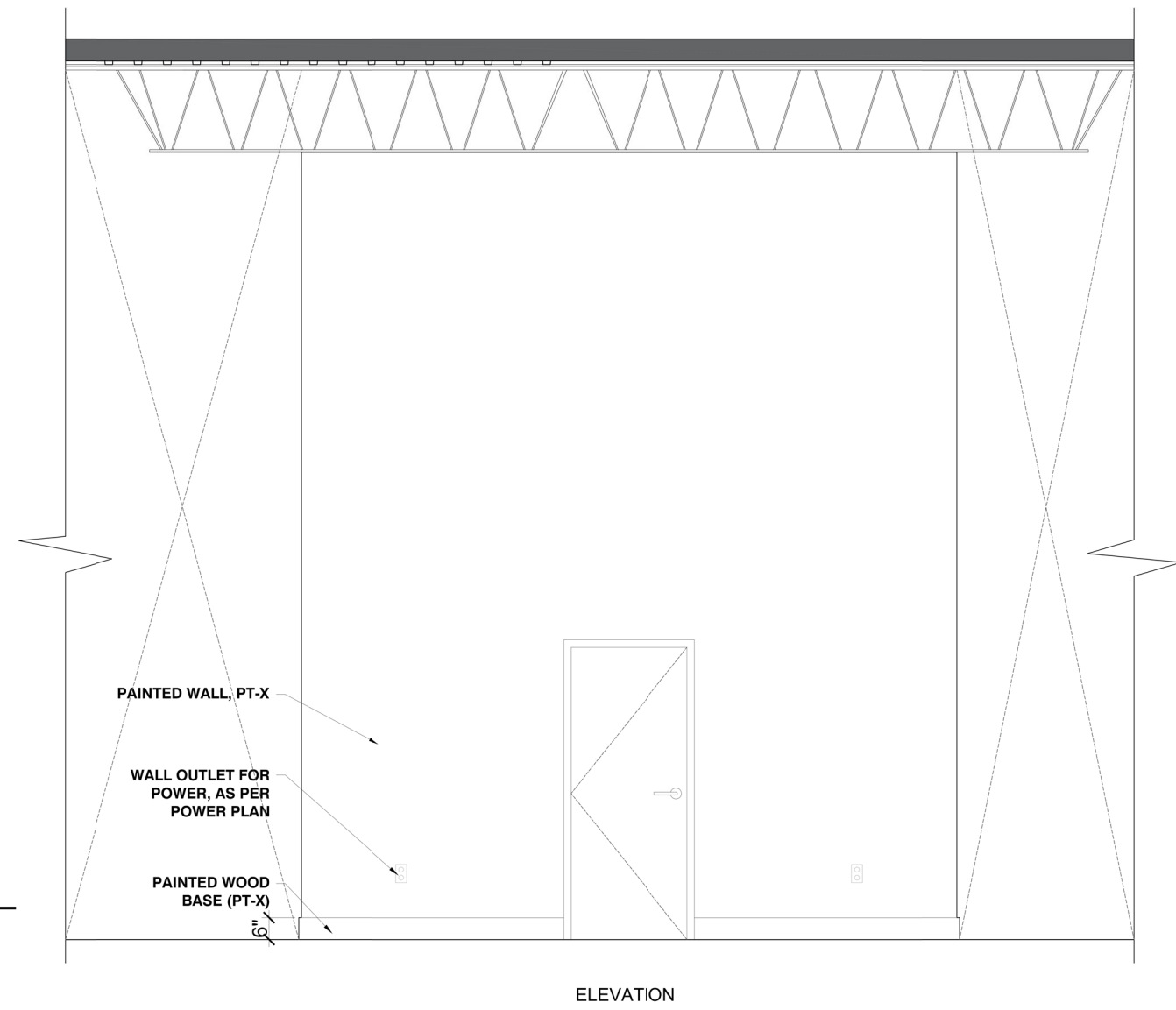
TYPE B
INDICATES 11'-0" HIGH MOVABLE MOTION/ UPHOLSTERY FEATURE CIRCLE WALLS



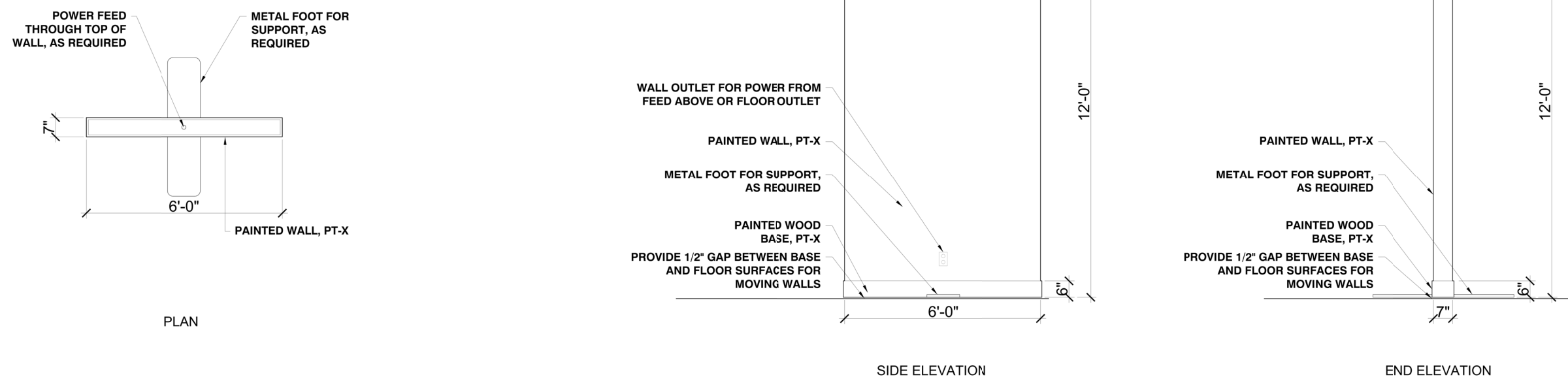
TYPE B-2
INDICATES 11'-0" HIGH MOVABLE MOTION/ UPHOLSTERY FEATURE CIRCLE WALLS



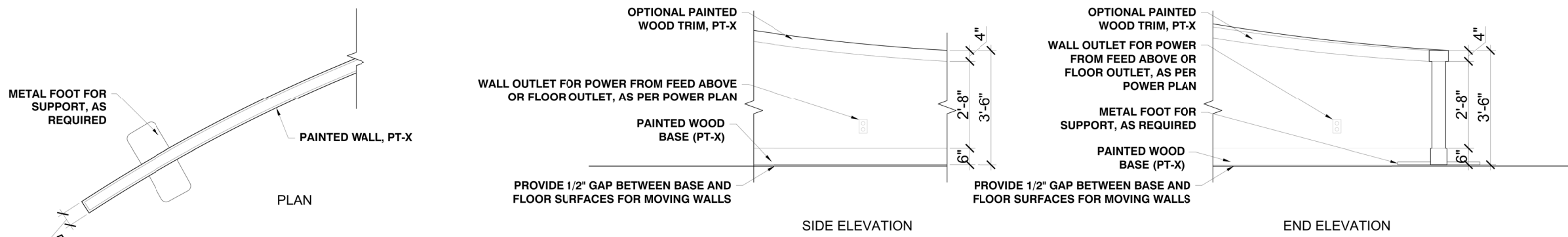
TYPE C
INDICATES 18'-0" HIGH FIXED MATTRESSES STORAGE WALLS



TYPE N
INDICATES 12'-0" LONG X 10'-0" HIGH MOVABLE VR/ GAMING WALL



TYPE O
INDICATES 6'-0" LONG X 12'-0" HIGH MOVABLE WALL UNIT

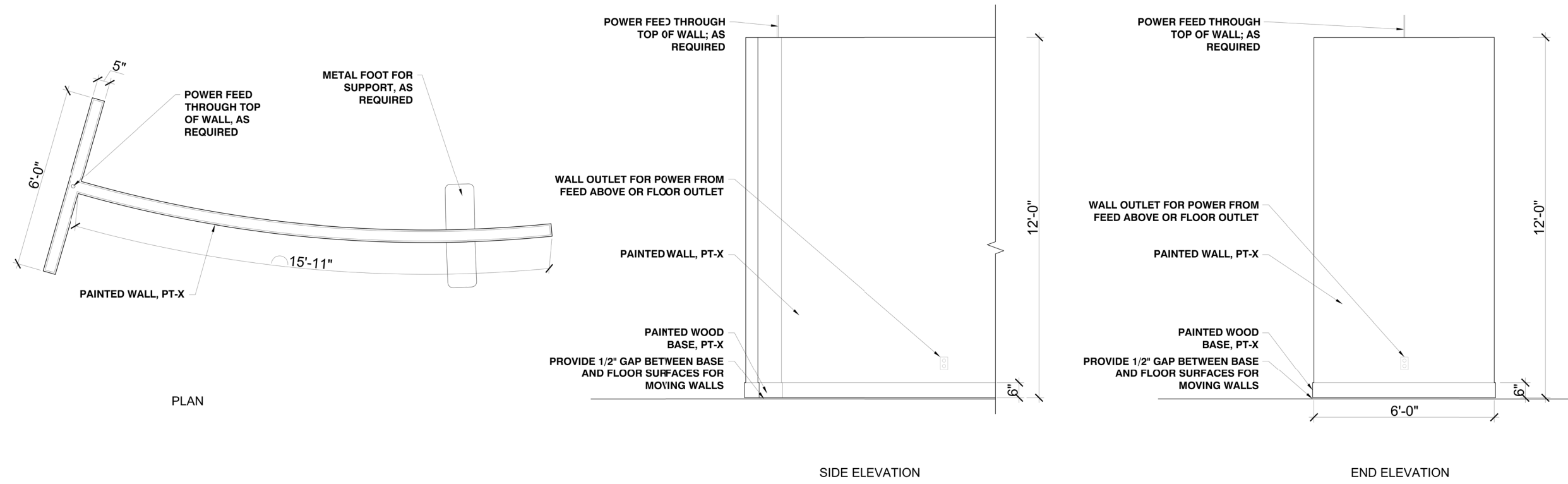


TYPE D
INDICATES LOW MOVABLE CURVED/ SLOPED MATTRESSES WALLS

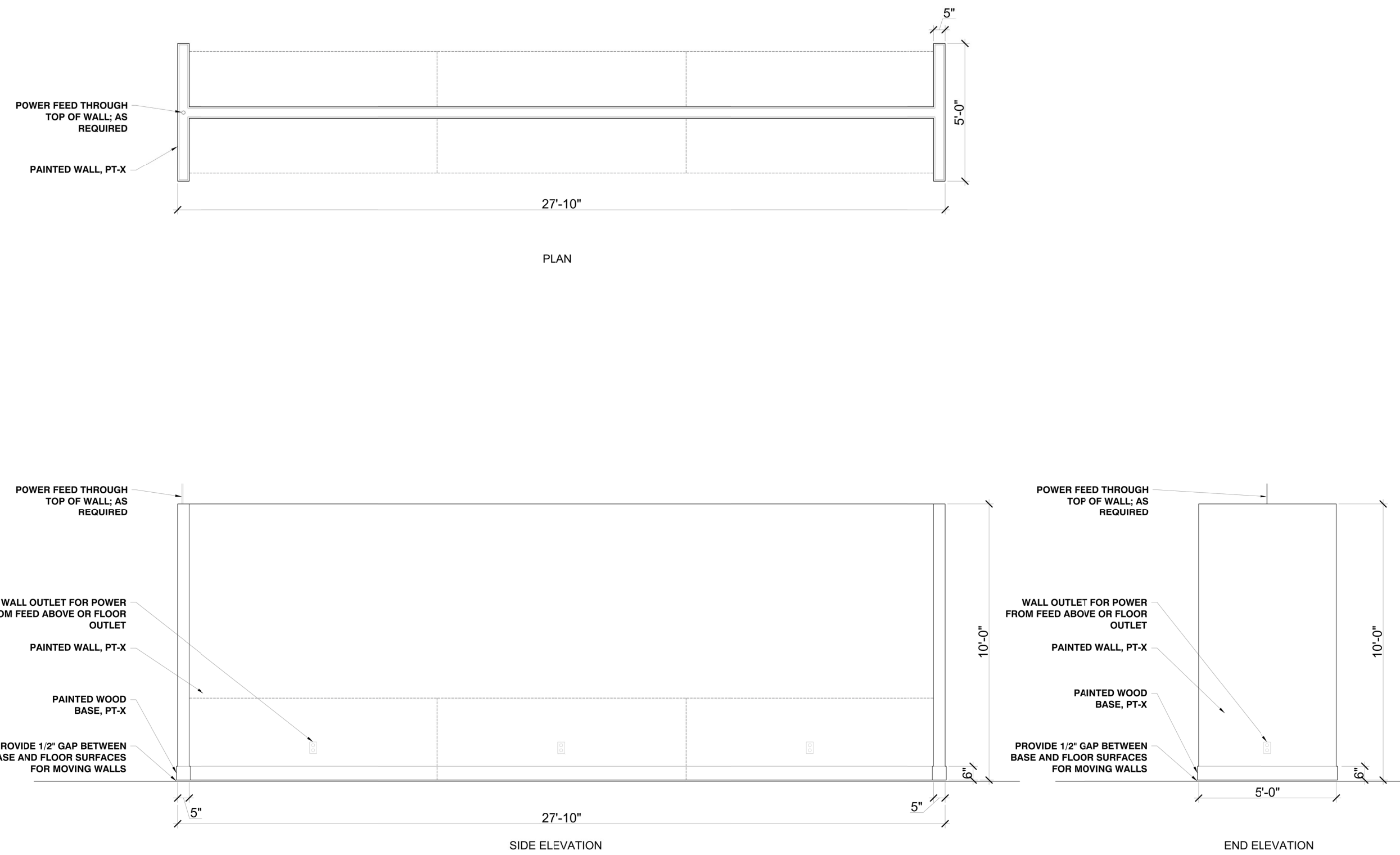
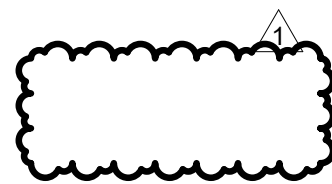


WALL TYPE DETAILS

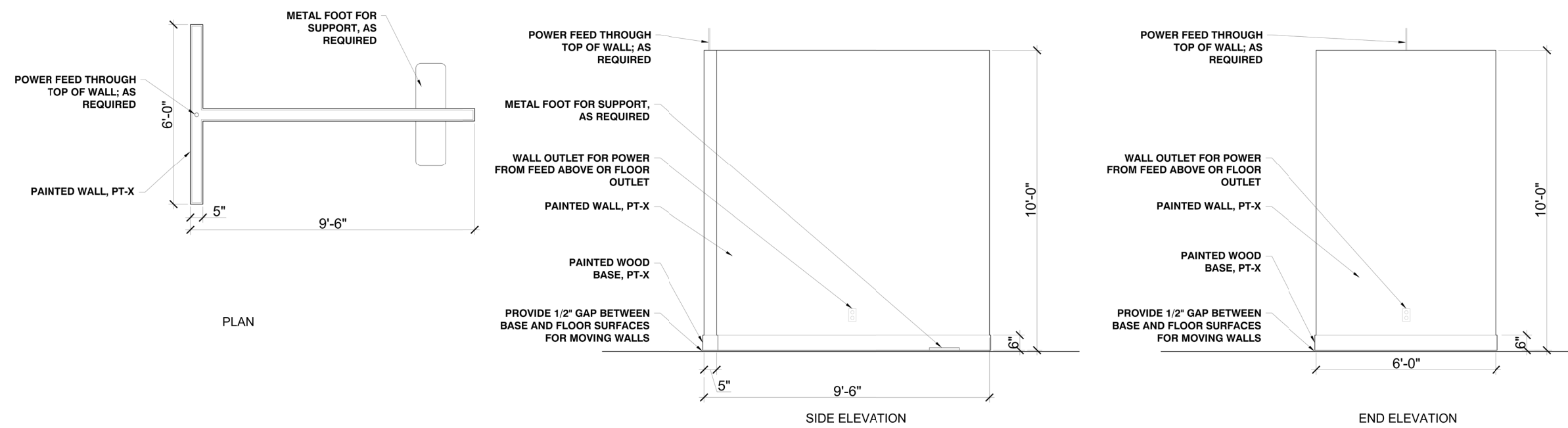
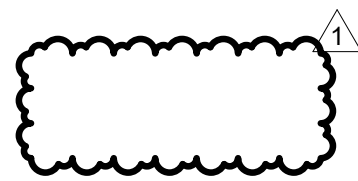
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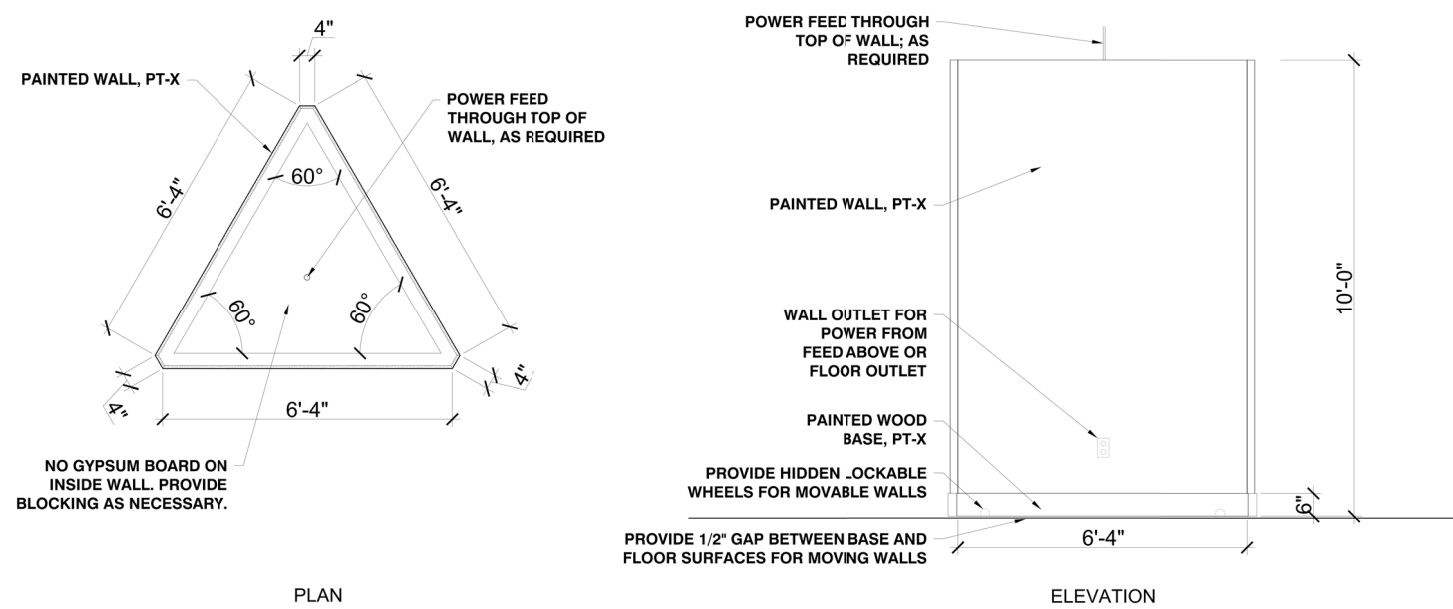
TYPE F
INDICATES 12'-0" HIGH MOVEABLE BEDROOM I-WALL UNITS WITH 6'-0" ENDCAPS



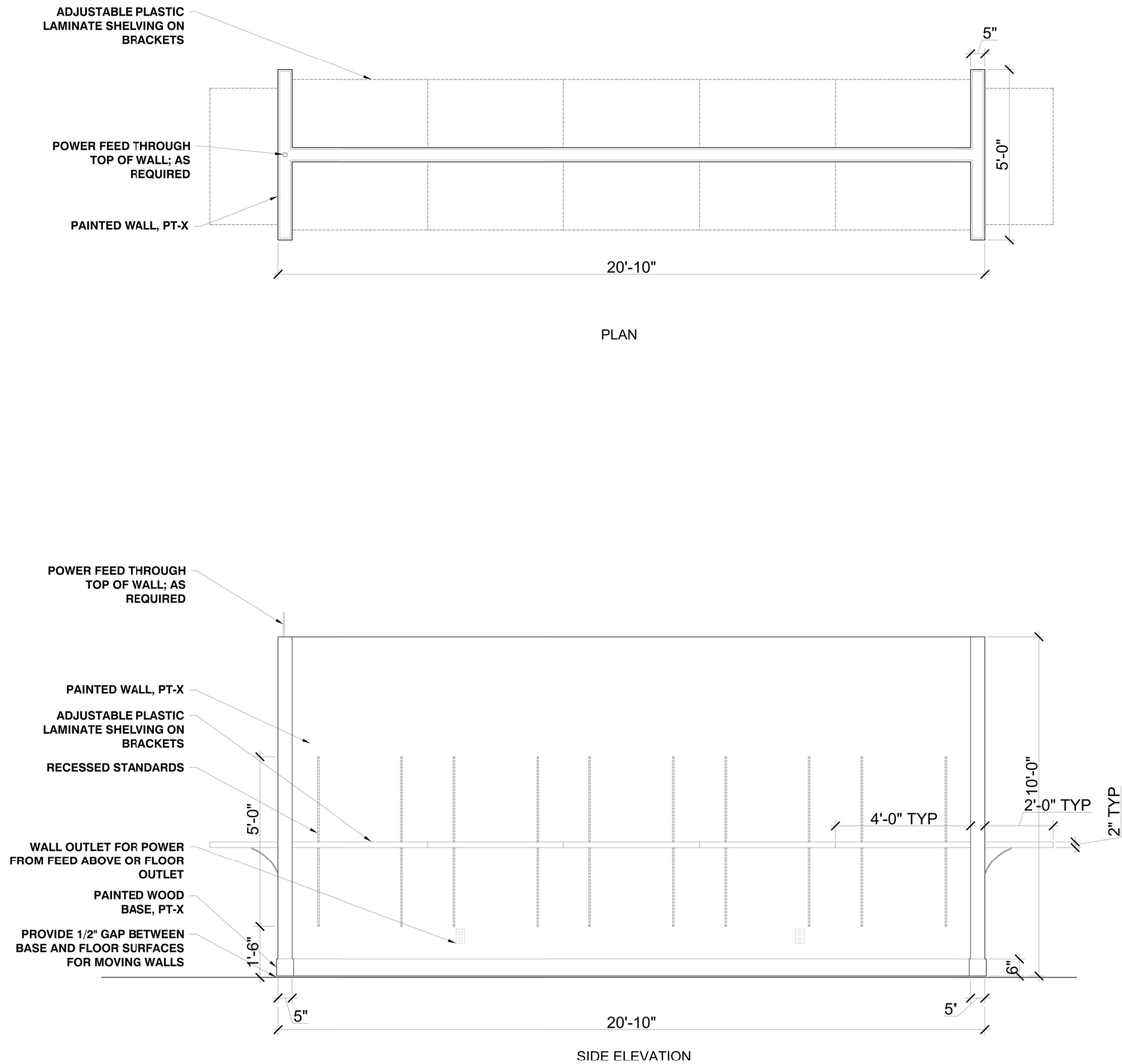
TYPE G
INDICATES 10'-0" HIGH MOVABLE BEDROOM I-WALL UNIT WITH 5'-0" END CAPS



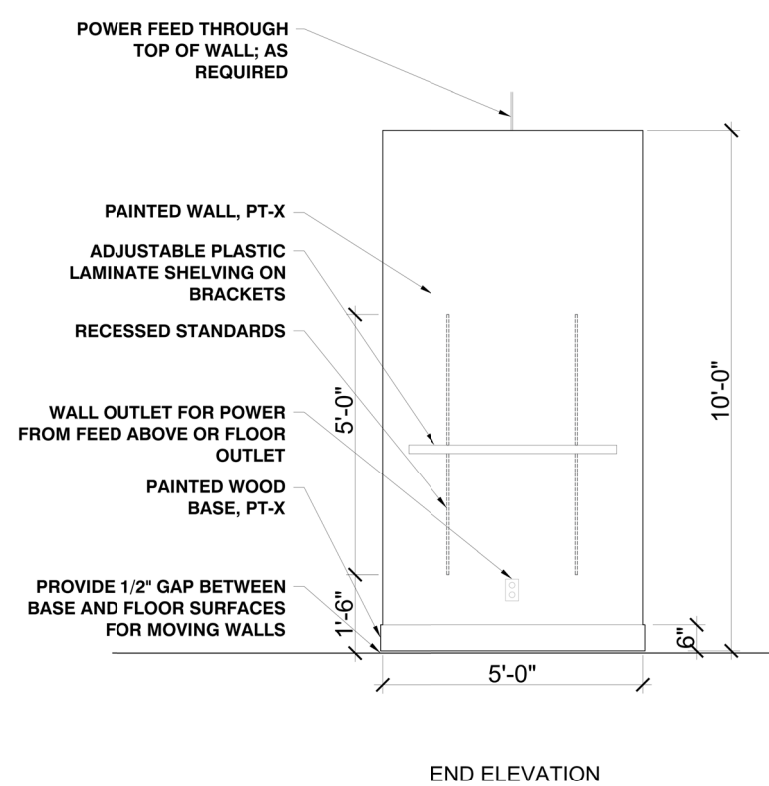
TYPE H
INDICATES 12'-0" HIGH MOVABLE T-WALL UNITS WITH 6'-0" END CAPS



TYPE I
INDICATES 10'-0" HIGH MOVEABLE TRIANGULAR DINING WALL UNIT WITH WHEELS



TYPE J
INDICATES 10'-0" HIGH MOVABLE DINING I-WALL UNIT WITH 5'-0" END CAPS



WALL TYPE DETAILS

NTS



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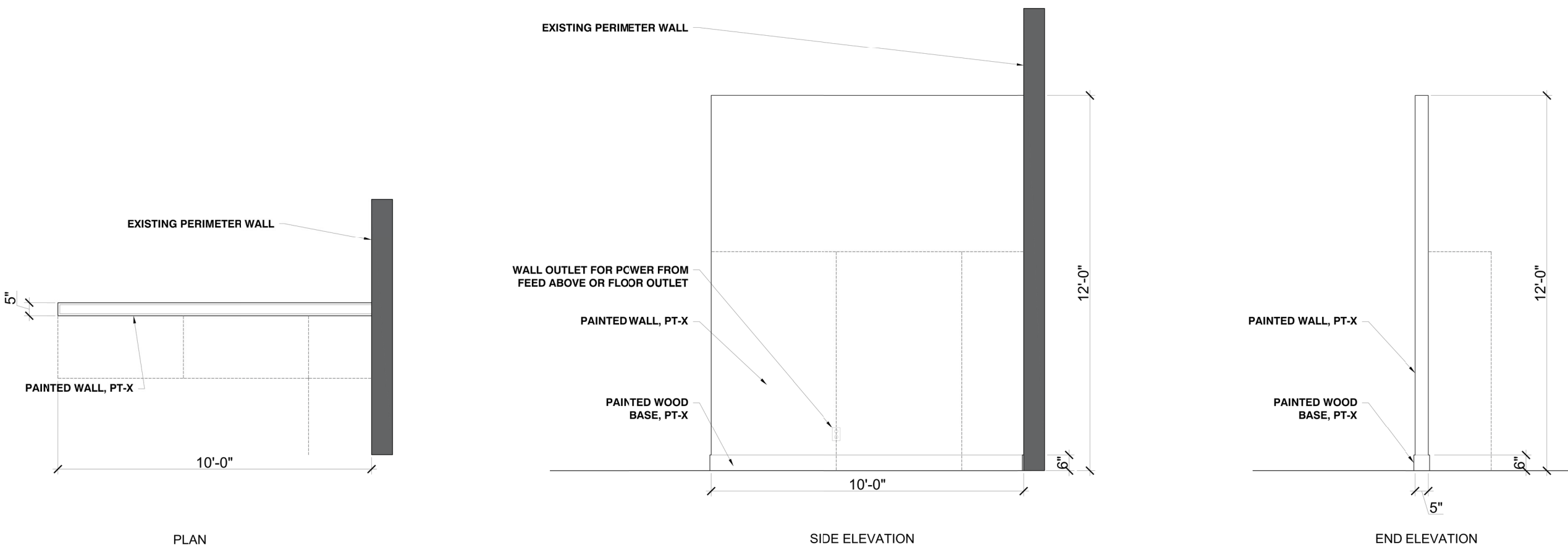
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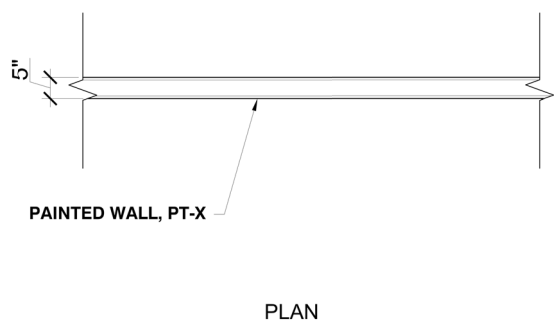
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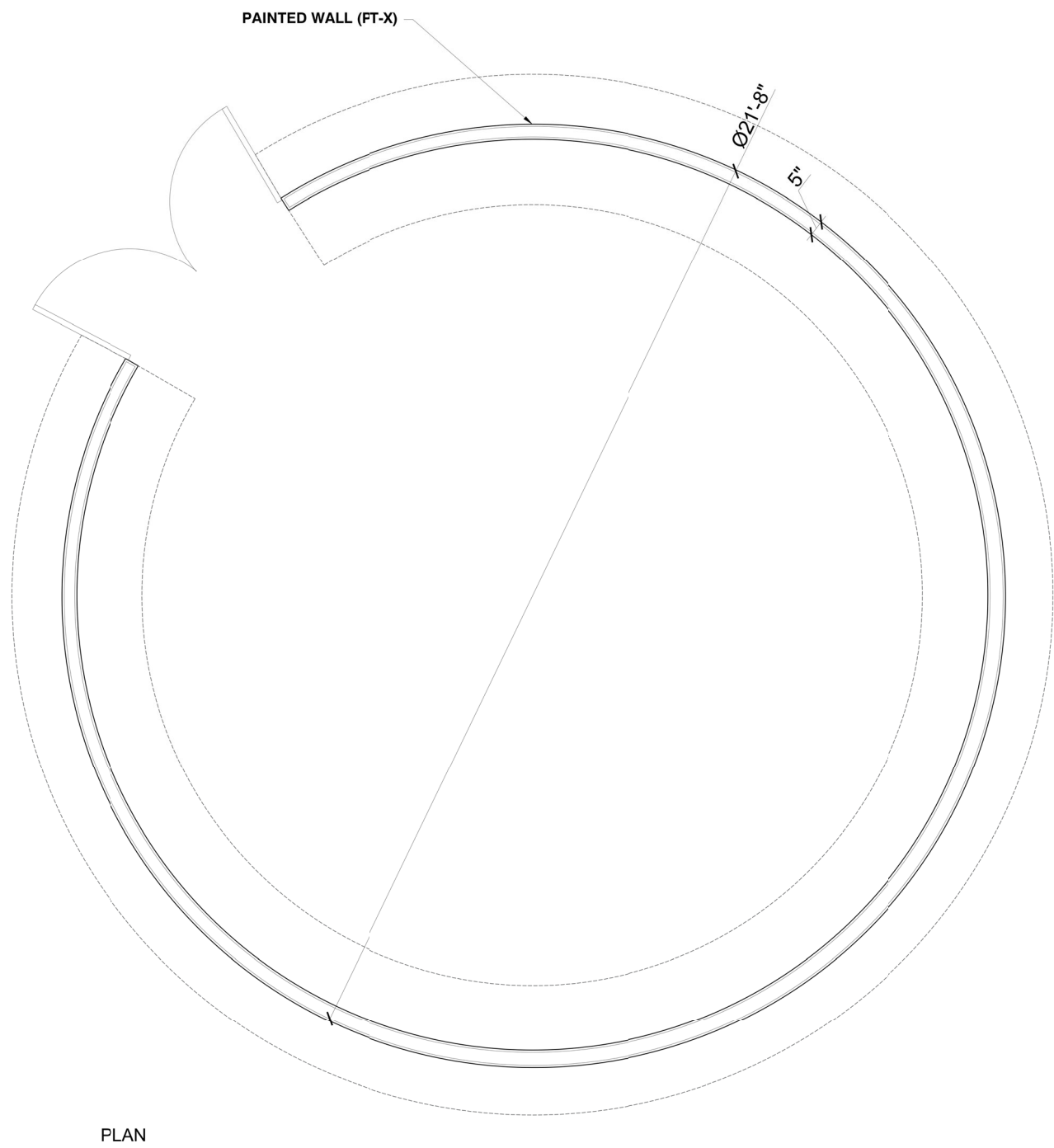
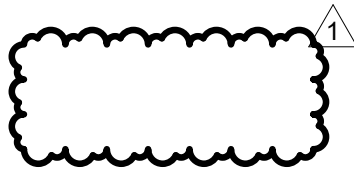
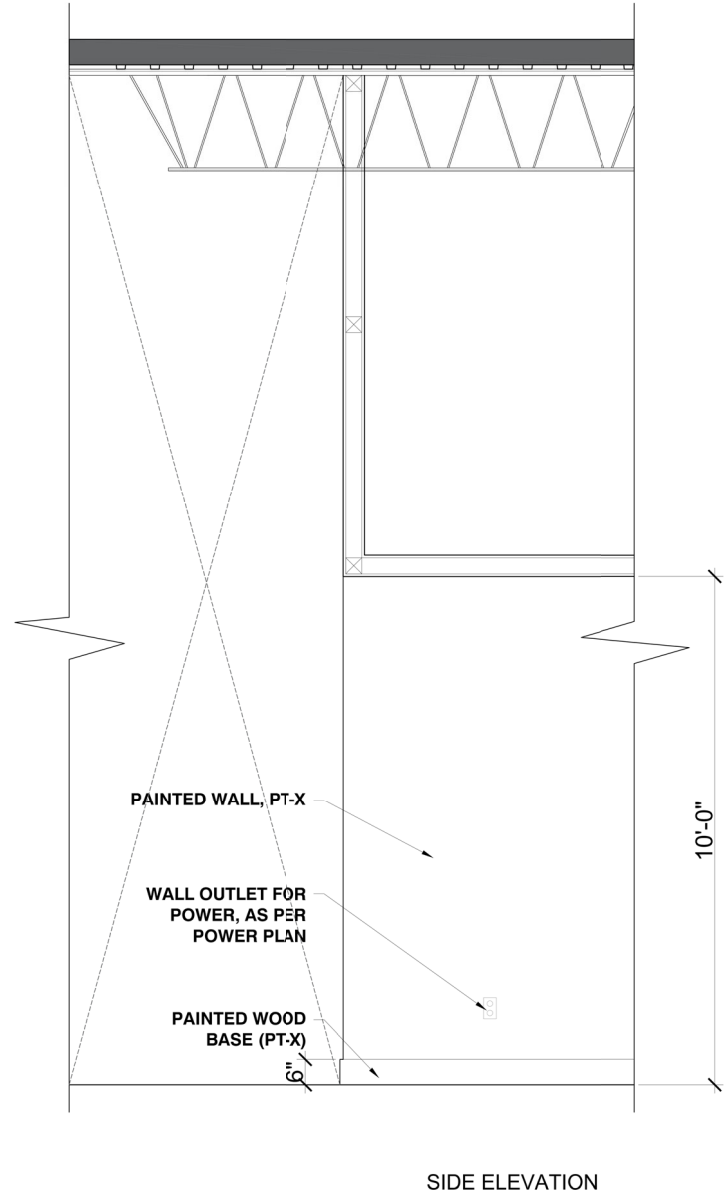
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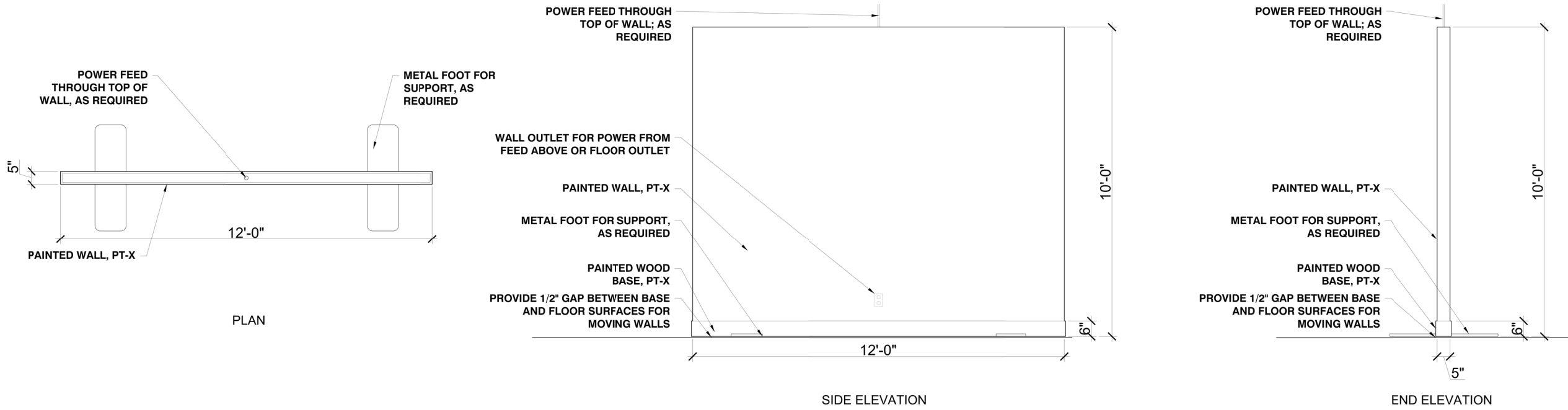
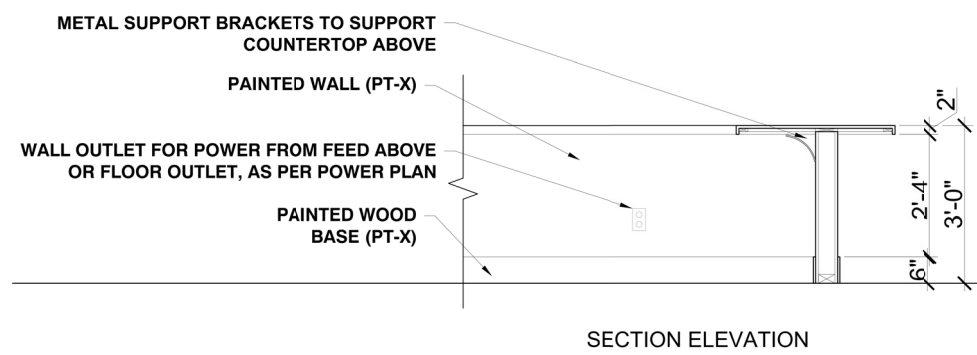
TYPE K
INDICATES 10'-0" LONG X 12'-0" HIGH FIXED DESIGN CENTER WALLS



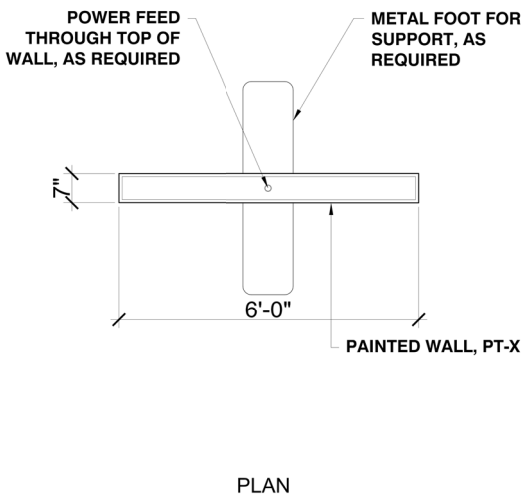
TYPE L
INDICATES FULL HEIGHT FIXED IMMERSION ROOM WALL TO UNDERSIDE OF ROOF DECK



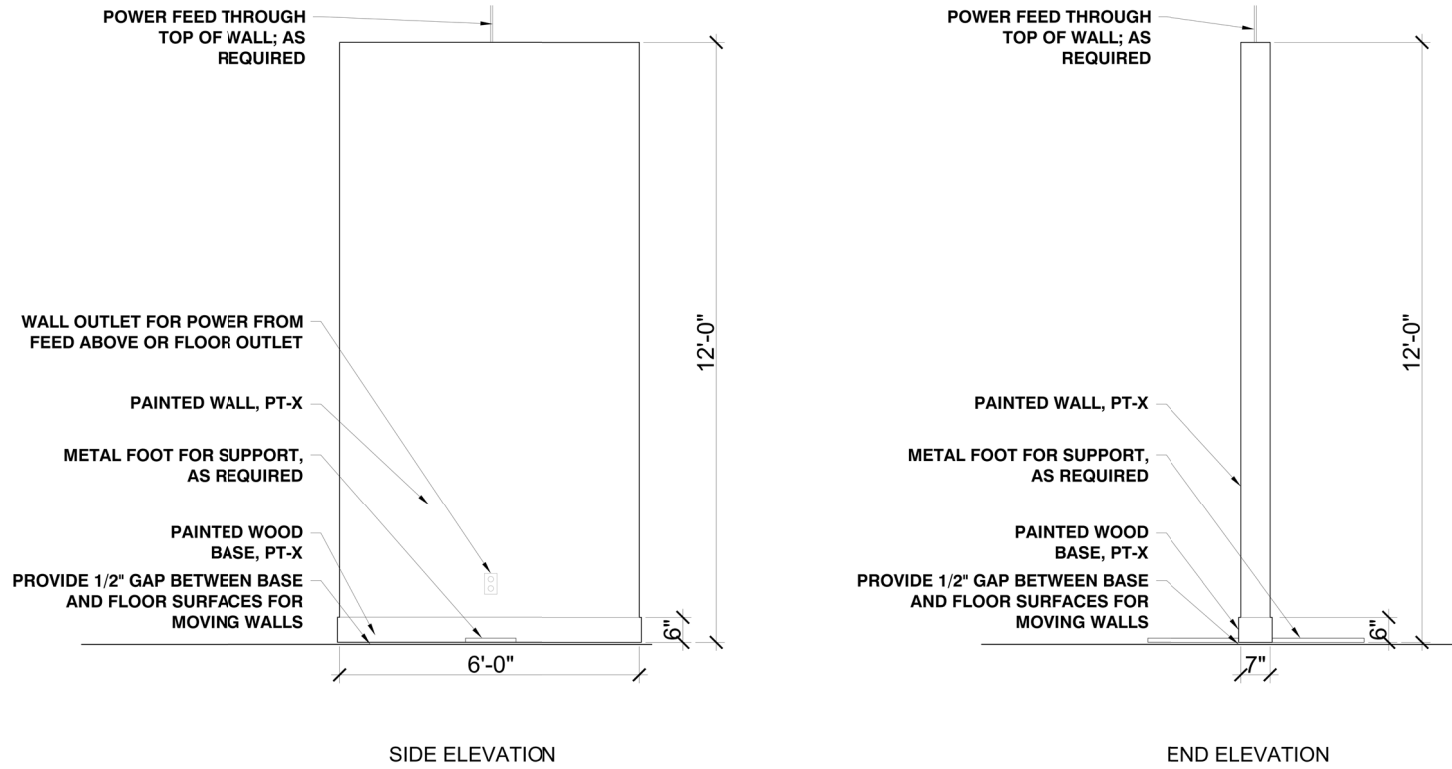
TYPE M
INDICATES 3'-0" HIGH FIXED CURVED FURNITURE FACTORY WALLS



TYPE N
INDICATES 12'-0" LONG X 10'-0" HIGH MOVABLE VR/ GAMING WALL



TYPE O
INDICATES 6'-0" LONG X 12'-0" HIGH MOVABLE WALL UNIT



WALL TYPE DETAILS

NTS



FURNITURE MALL TENANT IMPROVEMENT

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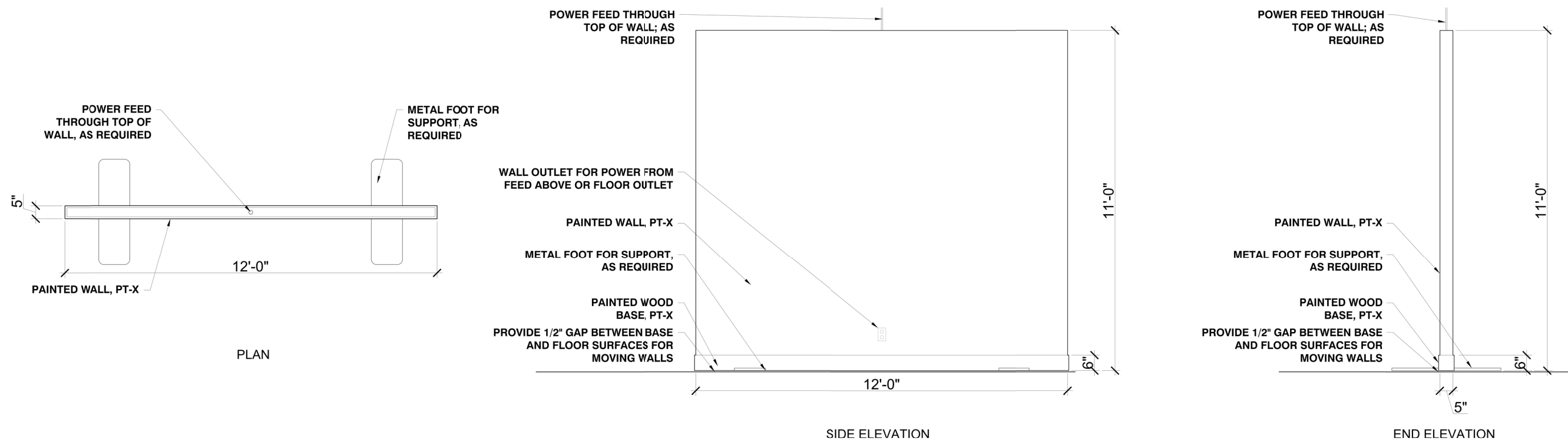
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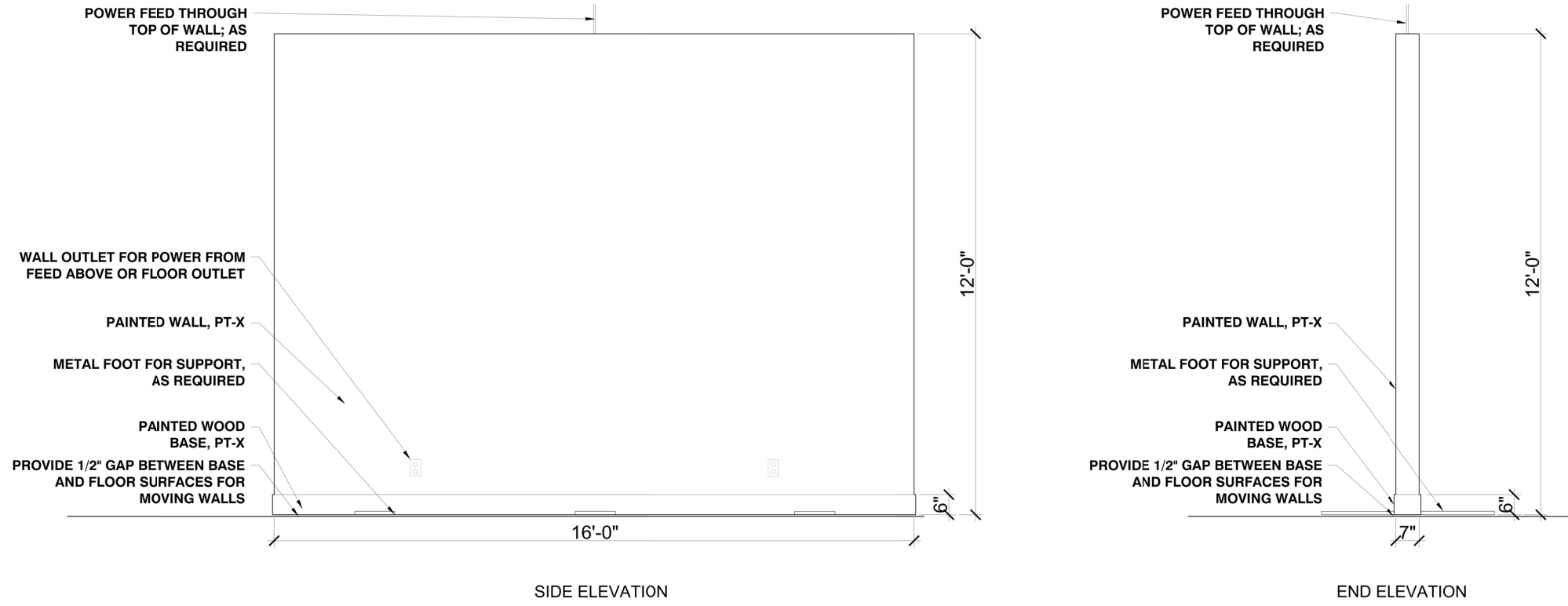
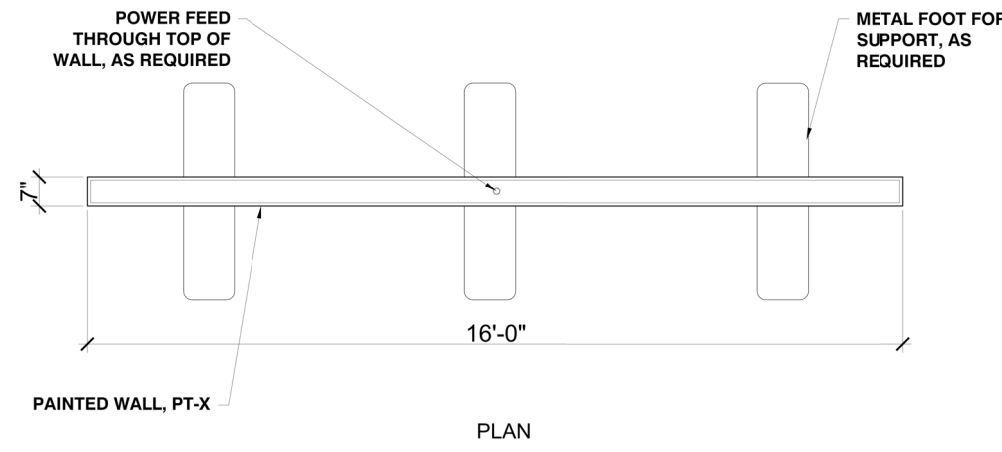
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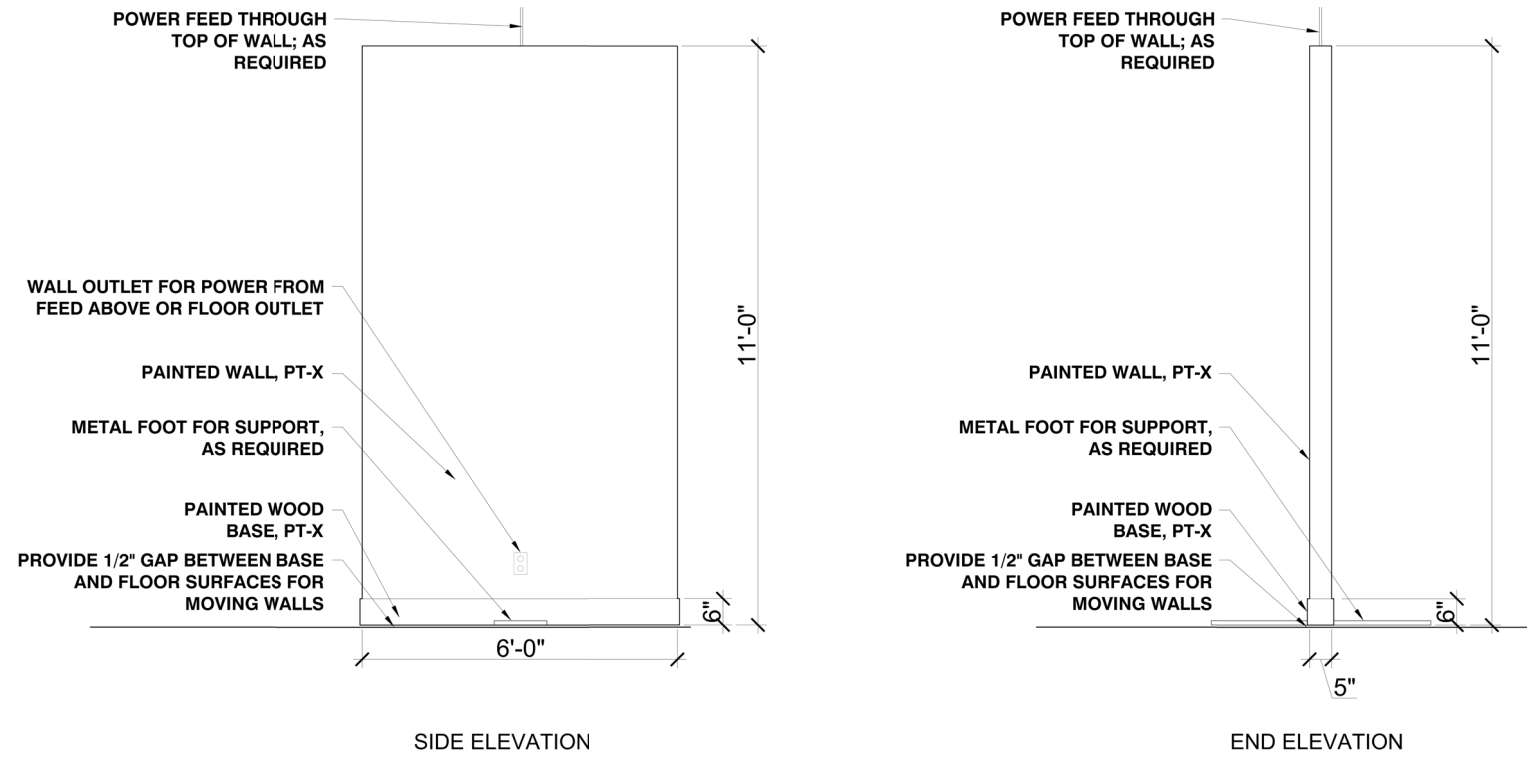
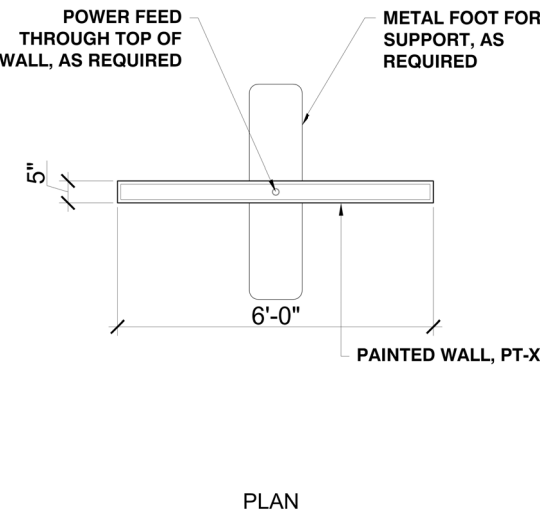
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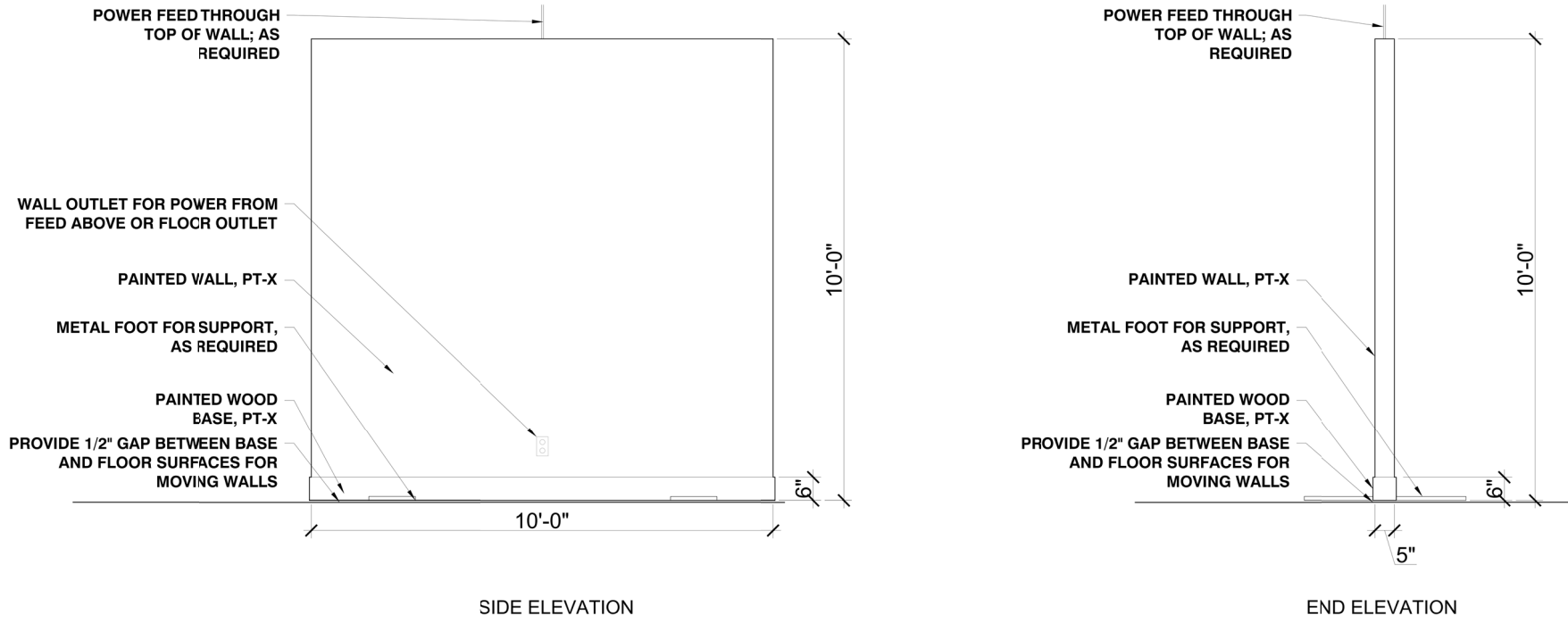
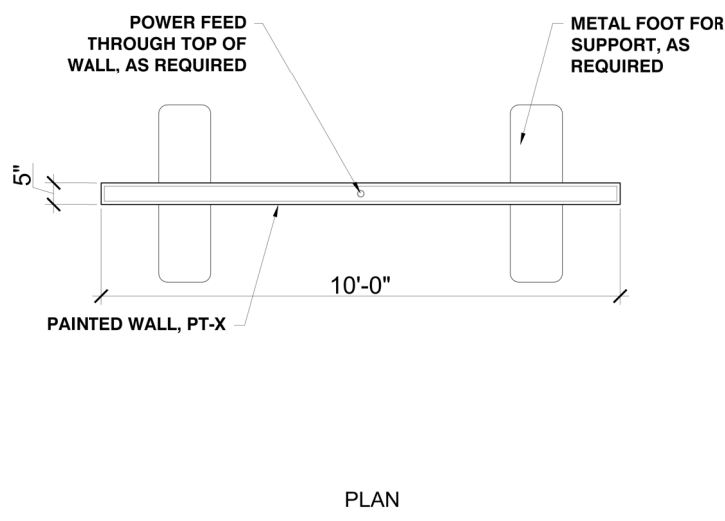
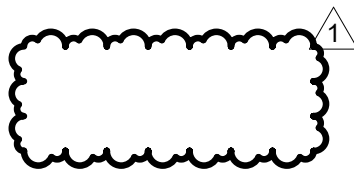
TYPE P
INDICATES 12'-0" LONG X 11'-0" HIGH MOVABLE WALL UNIT



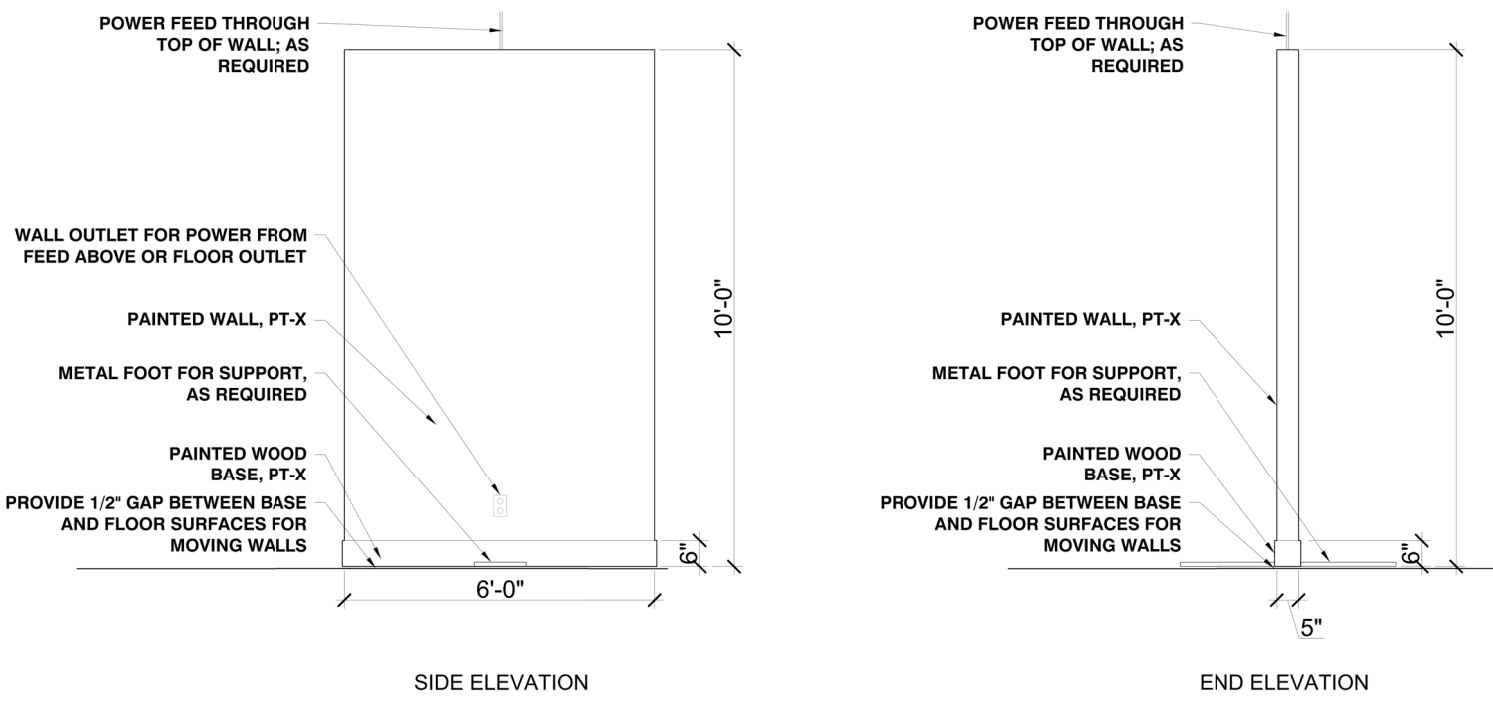
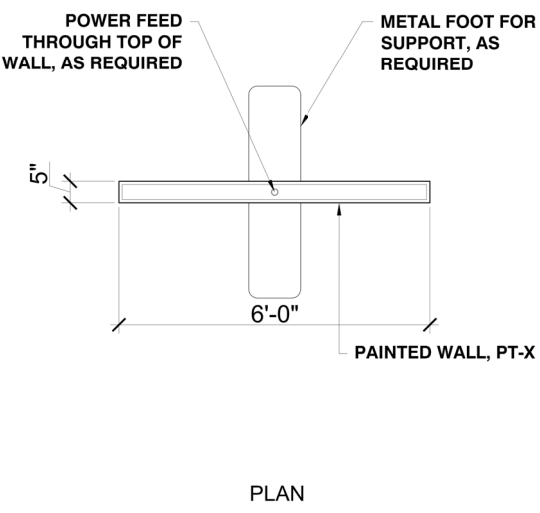
TYPE R
INDICATES 16'-0" LONG X 12'-0" HIGH MOVABLE WALL UNIT



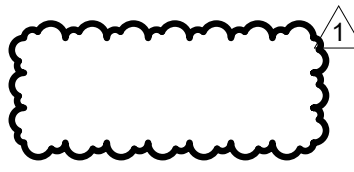
TYPE Q
INDICATES 6'-0" LONG X 11'-0" HIGH MOVABLE WALL UNIT



TYPE S
INDICATES 10'-0" LONG X 10'-0" HIGH MOVABLE WALL UNIT



TYPE T
INDICATES 6'-0" LONG X 10'-0" HIGH MOVABLE WALL UNIT



WALL TYPE DETAILS

NTS



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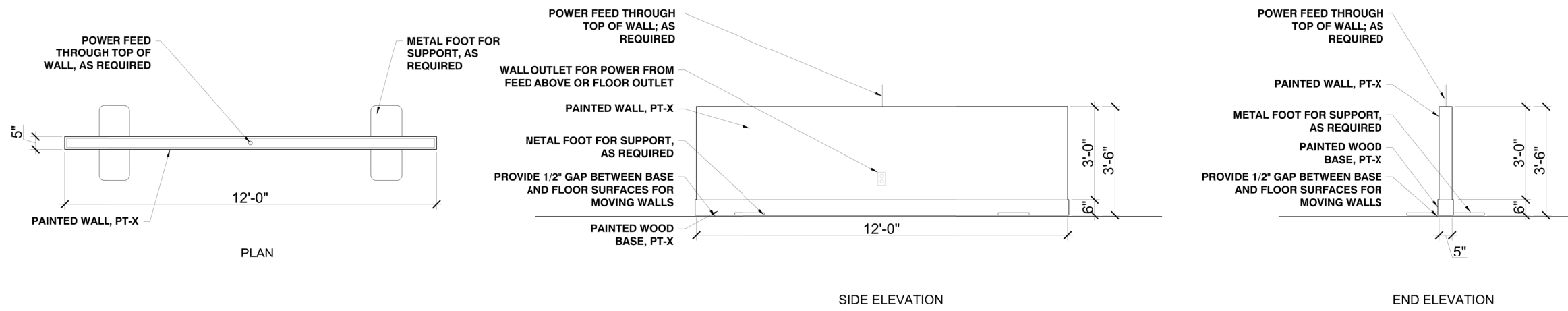
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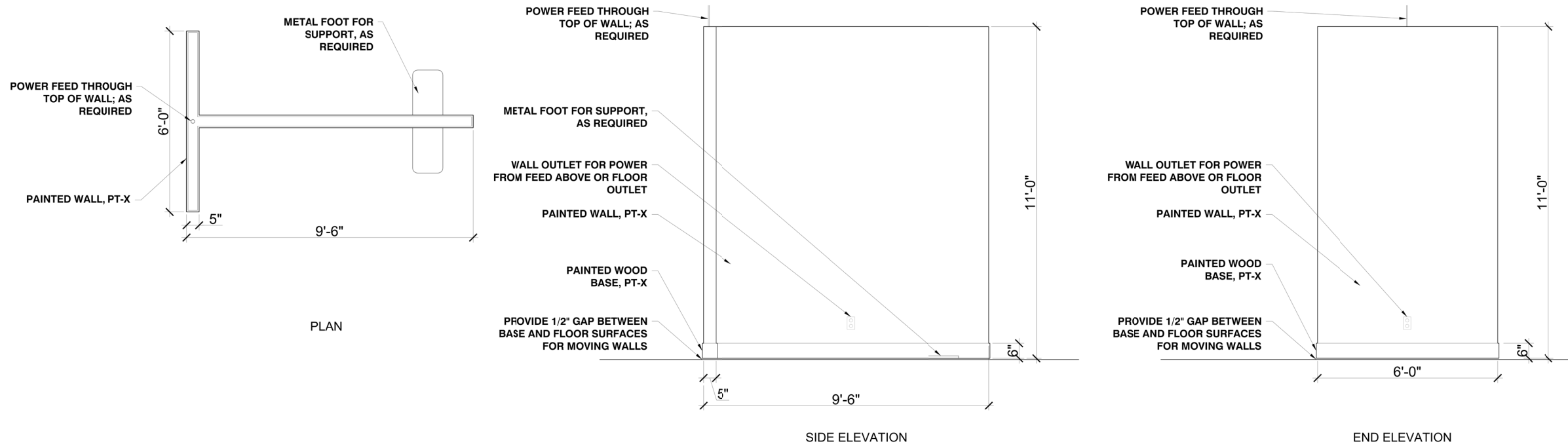
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DETAILS

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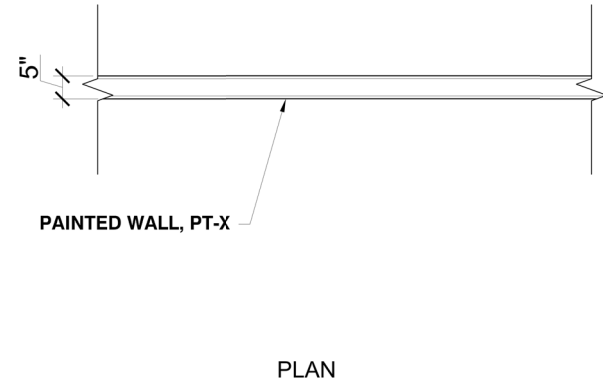
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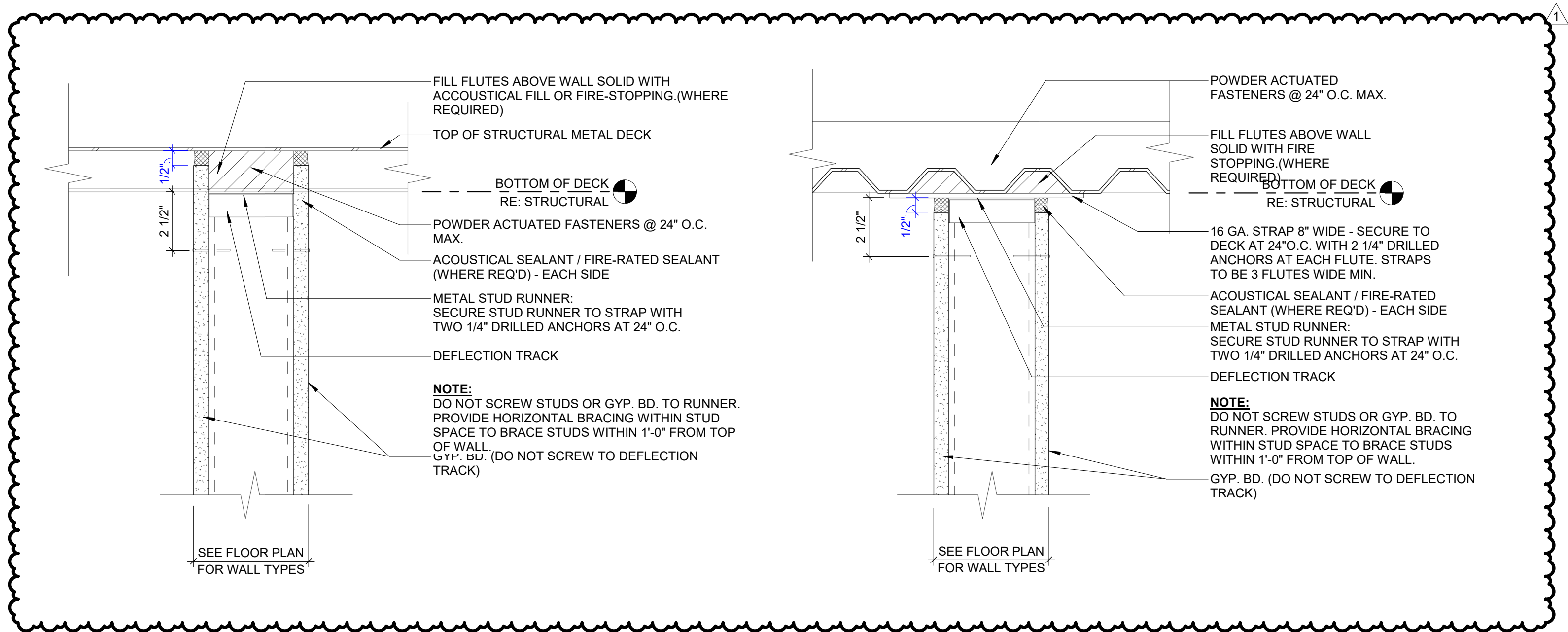
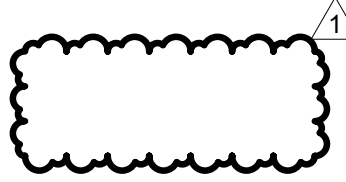
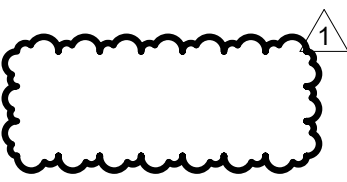
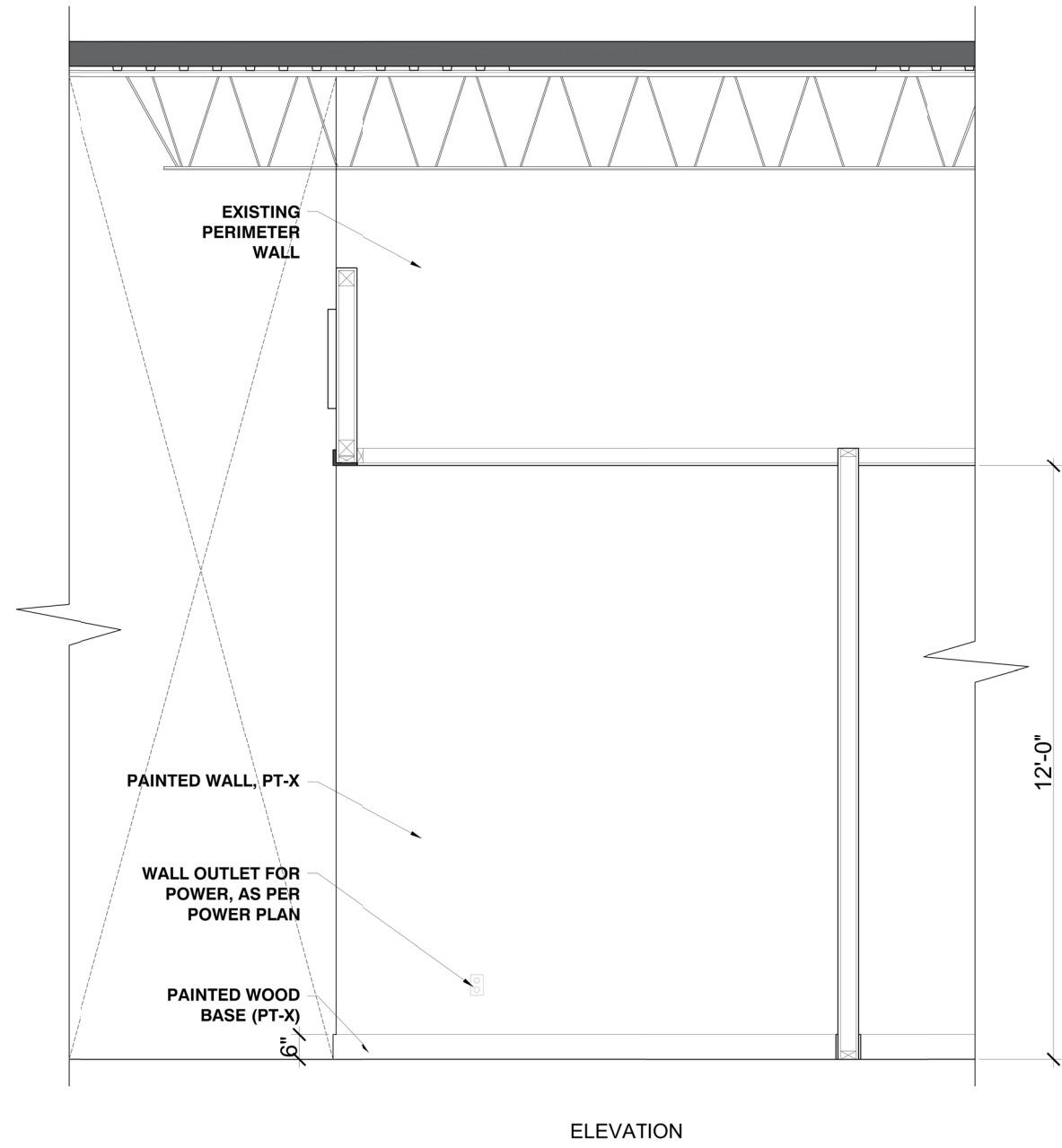
TYPE U
INDICATES 12'-0" LONG X 3'-6" HIGH MOVABLE WALL UNIT



TYPE V
INDICATES 11'-0" HIGH MOVABLE T-WALL UNITS WITH 6'-0" END CAPS



TYPE W
INDICATES 12'-0" HIGH FIXED CAFE WALLS



STRUCTURAL GENERAL NOTES

GENERAL NOTES:

ALL STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE OTHER PROJECT DRAWINGS AND SPECIFICATIONS. THE MATERIAL REQUIREMENTS IN THESE NOTES ARE TO BE CONSIDERED AS MINIMUM. SPECIFICATIONS SHALL GOVERN WHEN MORE STRINGENT.

VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. DISCREPANCIES SHALL BE RESOLVED BEFORE PROCEEDING WITH CONSTRUCTION. CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES AND MAKE NECESSARY INVESTIGATIONS AND FIELD MEASUREMENTS. INFORM ENGINEER OF ALL DISCREPANCIES.

THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATIONS OF PENETRATIONS AND EMBEDDED ITEMS THROUGH THE STRUCTURE FOR ALL TRADES. PENETRATIONS SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER.

SEE MECHANICAL, ELECTRICAL, ARCHITECTURAL DRAWINGS FOR ANCHORS, PIPE SLEEVES, CONDUITS OR OTHER ITEMS TO BE EMBEDDED IN OR PASS THROUGH CONCRETE. IN GENERAL, EMBEDMENTS AND PENETRATIONS LESS THAN 12 INCHES IN DIAMETER ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS.

SEE ARCHITECTURAL DRAWINGS FOR DOOR HEIGHTS AND WALL OPENING DIMENSIONS.

STRUCTURAL ELEMENTS ARE NON-SELF SUPPORTING AND REQUIRE INTERACTION WITH OTHER ELEMENTS FOR STABILITY. FRAMING AND WALLS SHALL BE TEMPORARILY BRACED BY THE CONTRACTOR UNTIL PERMANENT BRACING, FLOOR AND ROOF DECKS AND WALLS HAVE BEEN INSTALLED AND CONNECTIONS BETWEEN THESE ELEMENTS HAVE BEEN MADE.

SUPPORT OF ALL NON-STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NON-STRUCTURAL ELEMENTS ARE THOSE THAT DO NOT CONTRIBUTE TO THE DIRECT LOAD PATH OF BOTH THE GRAVITY AND LATERAL FORCE RESISTING SYSTEMS. THESE ELEMENTS INCLUDE, BUT ARE NOT LIMITED TO PARTITIONS, FINISHES, MILLWORK, MECHANICAL EQUIPMENT, DUCTWORK, PIPING, LIGHT FIXTURES,ELECTRICAL CONDUIT, STORAGE RACKS, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THESE ELEMENTS ARE ADEQUATELY CONNECTED TO THE STRUCTURE TO RESIST ALL APPLIED LOADS. NOTIFY THE STRUCTURAL ENGINEER OF RECORD IF UNUSUAL SUPPORT CONDITIONS EXIST.

WORK REQUIRING SPECIAL INSPECTIONS SHALL BE INSPECTED ACCORDING TO THE BUILDING CODE AND INCLUDES: CONCRETE, REINFORCING STEEL, STRUCTURAL WELDING, HIGH-STRENGTH BOLTING, AND MASONRY. RE: SPECIAL INSPECTION PROGRAM TABLE WHEN APPLICABLE.

DESIGN CRITERIA:

BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE AS ADOPTED AND AMENDED BY THE CITY OF LEE'S SUMMIT, MISSOURI.

LIVE LOADS:
ROOF: 20 PSF

SNOW LOADS:
GROUND SNOW LOAD, Pg: 20 PSF
FLAT-ROOF SNOW LOAD, Pf: 20 PSF
SNOW EXPOSURE FACTOR, Ce: 0.9
SNOW LOAD IMPORTANCE FACTOR, Is: 1.0
THERMAL FACTOR, Ct: 1.0

WIND LOAD:
BASIC WIND SPEED: 115 MPH
EXPOSURE CATEGORY: B
WIND IMPORTANCE FACTOR, Iw: 1.0
BASIC INTERNAL PRESSURE COEFFICIENT, GCpi: ±0.18
BASIC COMPONENTS AND CLADDING PRESSURE (ADJUSTED TO COMPLY WITH BUILDING CODE): ±30 PSF @ INTERIOR ZONES
±35 PSF @ END ZONES

SEISMIC LOAD:
SEISMIC IMPORTANCE FACTOR, Ie: 1.0
SPECTRAL RESPONSE ACCELERATIONS:
Ss: 0.1005
S1: 0.0686
SPECTRAL RESPONSE COEFFICIENTS:
Sds: 0.107
Sd1: 0.110
SITE CLASS: D
SEISMIC DESIGN CATEGORY: B
BASIC SEISMIC-FORCE-RESISTING SYSTEM: ORDINARY REINFORCED CONCRETE SHEAR WALL
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

THE NEW STRUCTURAL FRAMING INTRODUCES ADDITIONAL LATERAL LOAD TO THE MAIN WIND FORCE RESISTING SYSTEM (MWFRS). PER BUILDING CODE, "ANY EXISTING LATERAL LOADS CARRYING STRUCTURAL ELEMENTS WHOSE DEMAND-CAPACITY RATIO WITH THE ALTERATIONS CONSIDERED IS NOT MORE THAN 10% GREATER THAN ITS DEMAND-CAPACITY RATIO WITH THE ALTERATION IGNORED SHALL BE PERMITTED TO REMAIN UNALTERED."

STRUCTURAL STEEL NOTES:

STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED:
WIDE FLANGE SHAPES (W, WT): ASTM A992 (Fy=50 KSI)
OTHER ROLLED SHAPES (M, S, HP, C, L): ASTM A36 (Fy=36 KSI)
STEEL PIPE: ASTM A53, GRADE B (Fy=35 KSI)
SQUARE AND RECTANGULAR TUBE: ASTM A500, GRADE B (Fy=46 KSI)
ANCHOR BOLTS: ASTM F1554, GRADE 36
HEADED ANCHOR STUDS: ASTM A108, GRADES 1010 TO 1020
PLATES AND BARS: ASTM A36 (Fy=36 KSI)

SHEAR CONNECTORS AND HEADED WELDED STUDS OF TYPE AND SIZE NOTED SHALL BE TYPE B.

STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH GOOD STANDARD PRACTICE AND IS THE RESPONSIBILITY OF THE CONTRACTOR.

PROPER FIT IN THE FIELD OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH GOOD STANDARD PRACTICE AND IS THE RESPONSIBILITY OF THE CONTRACTOR.

THE FABRICATOR SHALL BE RESPONSIBLE FOR THE DESIGN AND PERFORMANCE OF ALL CONNECTIONS NOT FULLY DESIGNED OR DETAILED ON THE CONTRACT DOCUMENTS.

ANCHOR BOLTS SHALL BE ASTM F1554, A36 UON. ANCHOR BOLTS SHALL BE SET WITH TEMPLATES WITH THE APPROPRIATE BOLT PROJECTION, 4" MINIMUM UON. PROVIDE DOUBLE NUTS AND DOUBLE WASHERS FOR STEEL COLUMN ANCHOR BOLTS TO ALLOW FOR ADJUSTMENT IN BASE PLATE ELEVATION.

NON-SHRINK GROUT UNDER BASE PLATES SHALL BE NON-METALLIC WITH A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS.

HIGH STRENGTH BOLTED CONNECTIONS SHALL CONFORM TO THE AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING A325 BOLTS. UNLESS OTHERWISE NOTED, HIGH STRENGTH BOLTS MAY BE TIGHTENED BY ANY METHOD THEREIN. REGARDLESS OF THE METHOD USED IN TIGHTENING, A HARDENED WASHER SHALL BE USED UNDER THE TURNED ELEMENT. UNLESS OTHERWISE NOTED, BOLTED CONNECTIONS SHALL BE MADE WITH ¾" Ø, ASTM A325 HIGH STRENGTH BOLTS.

CONNECTIONS REQUIRING FULL PRETENSIONING ARE SLIP-CRITICAL, AND INCLUDE BOLTED COLUMN SPLICES, BEAM SPLICES, BRACED FRAMES AND CONNECTIONS SUBJECT TO DIRECT TENSION.

ALL WELDING SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE STRUCTURAL WELDING CODE, AWS D1.1. THE MINIMUM WELD SIZE SHALL BE ⅜" FILLET UNLESS OTHERWISE NOTED.

FIELD WELDING SHALL NOT BE STARTED UNTIL JOINT ELEMENTS ARE BOLTED IN INTIMATE CONTACT AND/OR ADJUSTED TO DIMENSIONS INDICATED WITH ALLOWANCE FOR EXPECTED WELD SHRINKAGE. MAINTAIN PLUMBNESS AND TRUENESS OF THE STRUCTURE.

FIELD WELDS FOR STRUCTURAL STEEL SHALL BE MADE WITH LOW HYDROGEN ELECTRODES. WELD FILLER METAL SHALL HAVE A MINIMUM TENSILE STRENGTH OF 70 KSI.

LIGHT GAGE STEEL NOTES:

LIGHT GAGE FRAMING SHALL MEET THE FOLLOWING REQUIREMENTS:

- A. ASTM A653, PROVIDE GRADE 33 FOR MEMBERS 18 GAGE AND LIGHTER AND GRADE 50 FOR MEMBERS 16 GAGE AND HEAVIER. SEE PLANS FOR SECTION SIZE.
- B. GALVANIZING SHALL CONFORM TO ASTM A924 WITH A COATING CLASS OF G60.

FOR 18 GAGE AND LIGHTER FRAMING, CONNECTIONS SHALL BE MADE USING SELF-DRILLING, SELF-TAPPING SCREWS. FOR 16 GAGE AND HEAVIER FRAMING, CONNECTIONS SHALL BE MADE BY WELDING. COMPONENTS SHALL BE FASTENED TO INSURE THE STRENGTH OF THE CONNECTION. SEE DETAILS FOR FASTENER SIZES. SCREWS SHALL EXTEND A MINIMUM OF 3 EXPOSED THREADS PAST TRUSS/JOIST FLANGE.

WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.3. ELECTRODES SHALL BE E70.

FOR AXIALLY LOADED STUDS, INSTALL BRIDGING ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. APPLIED MATERIALS SHALL NOT BE CONSIDERED TO BRACE THE MEMBERS. AS A MINIMUM, MECHANICAL BRIDGING SHALL NOT BE MORE THAN 4'-0" O.C..

INSTALL WEB STIFFENERS IN JOIST AT ALL BEARING LOCATIONS AND SUPPORTED CONCENTRATED LOADS.

PROVIDE RESTRAINT OF ROTATION FOR JOISTS AT ALL SUPPORTS BY FULL-DEPTH BLOCKING.

AXIALLY LOADED STUDS SHALL BE FULLY BEARING AGAINST UPPER AND LOWER TRACKS PRIOR TO CONNECTION. SPLICES IN AXIALLY LOADED STUDS ARE NOT PERMITTED. SPACE STUDS SUCH THAT THEY OCCUR AT SUPPORTED MEMBERS.



CERTUS

STRUCTURAL ENGINEERS
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Topeka, Kansas 66612

Phone: (785)291-0400

Fax: (785)291-0401

P.N. 01210125

Certificate Of Authorization

E-2007035402

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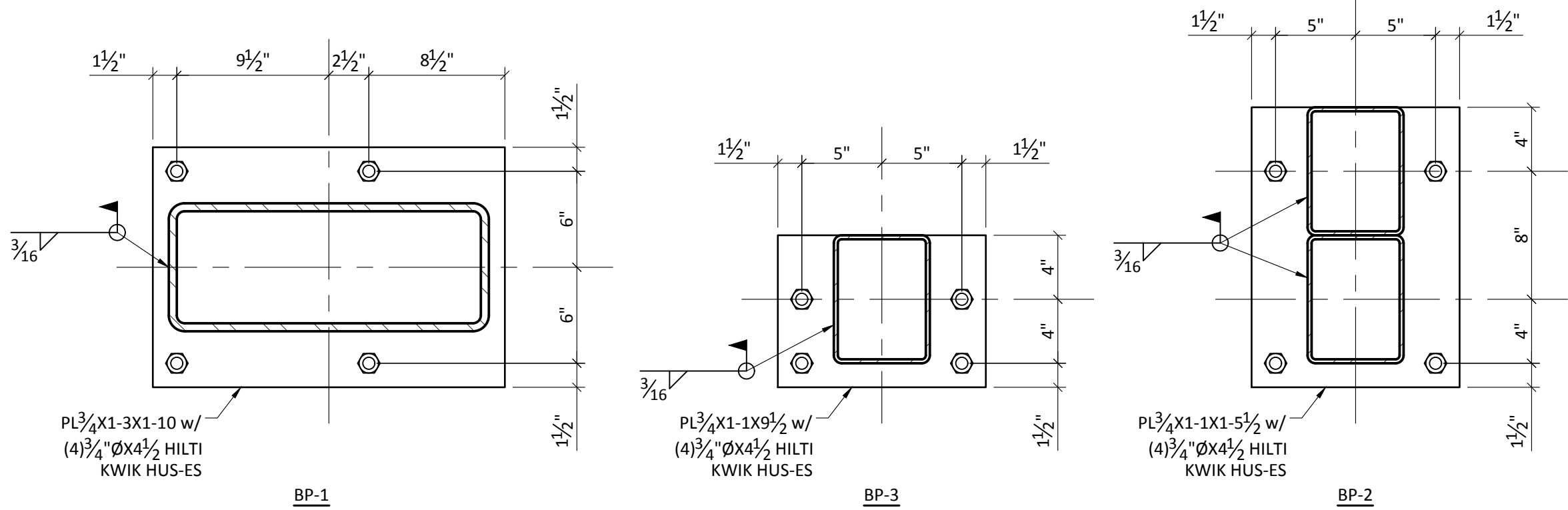
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GENERAL
NOTES

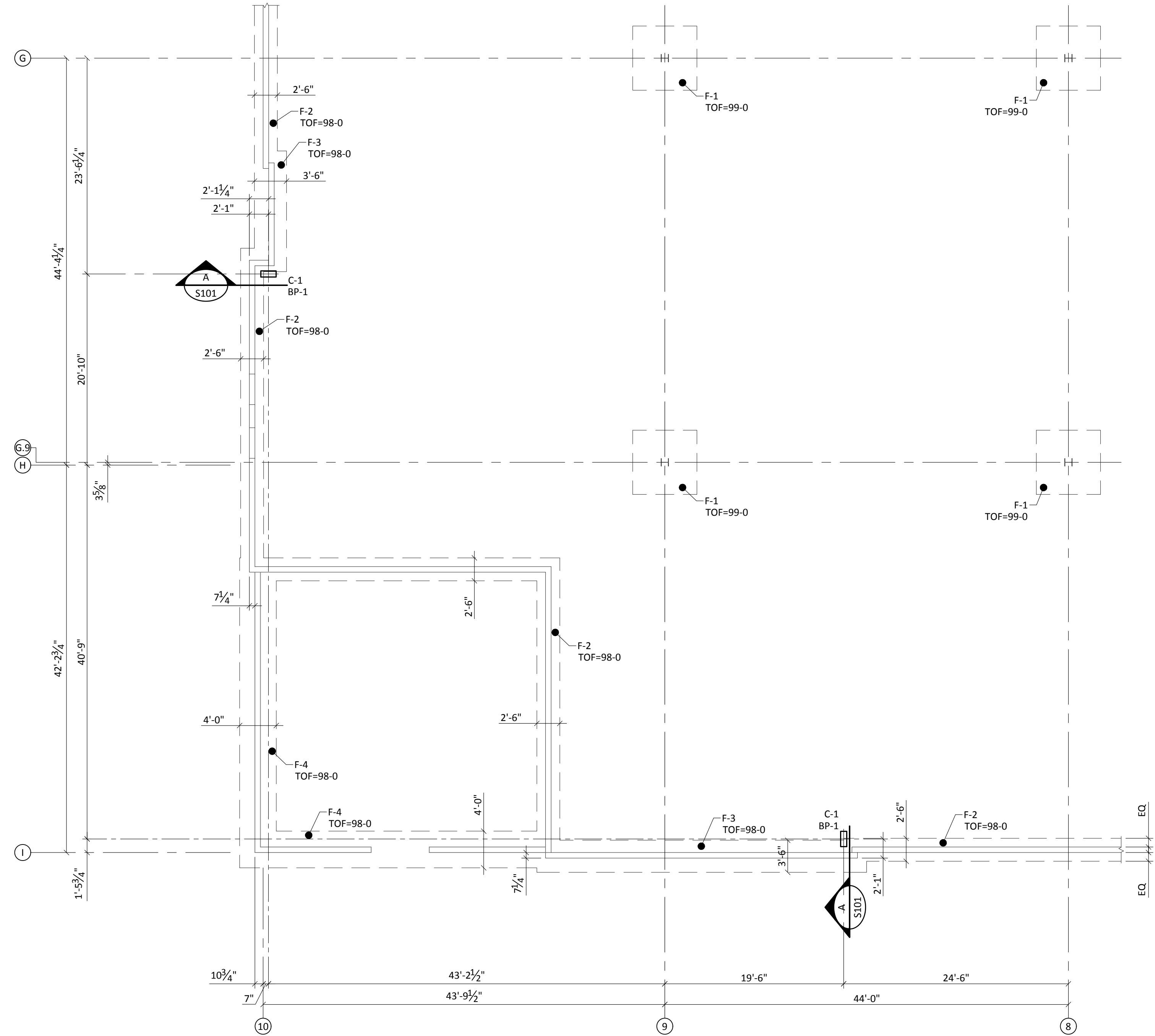
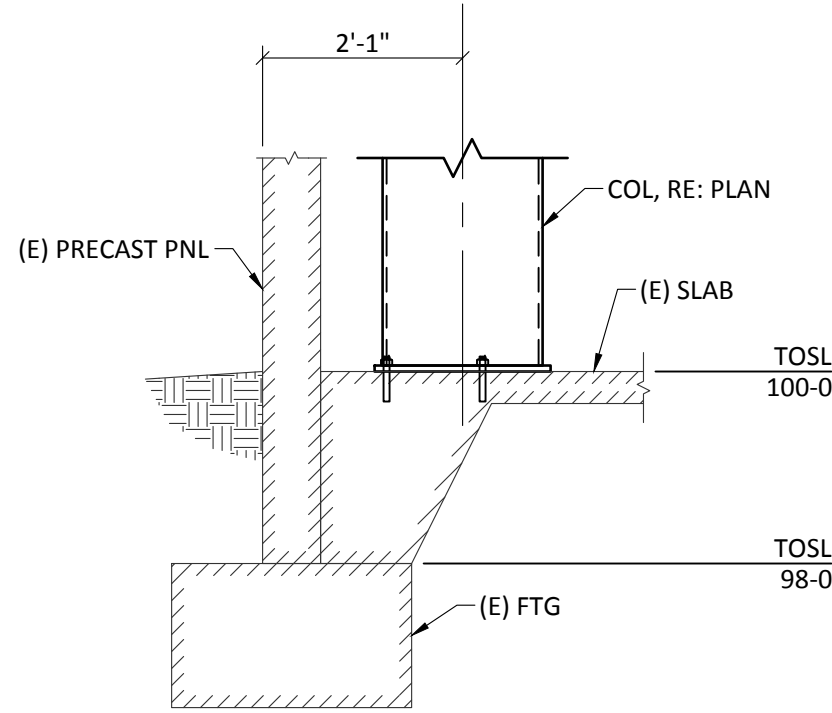
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BASEPLATE DETAILS
SCALE: NONE



TOSL - TOP OF SLAB ELEV = 100-0 = SITE ELEV = 1005.00

C(#) DENOTES COLUMN MARK, SEE SCHEDULE
BP(#) DENOTES COLUMN BASE PLATE TYPE, SEE DETAILS

* INDICATE DIMENSION TO BE VERIFY WITH ARCH PLANS.

COORDINATE ALL PENETRATIONS THROUGH THE SLAB AND ALL UNDER SLAB ITEMS WITH OTHER TRADES BEFORE CONSTRUCTION.

VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. INFORM ENGINEER OF ALL DISCREPANCIES.

EXISTING FOOTING SCHEDULE				
MARK	SIZE	REINFORCING		COLUMN
		LAT.	LONG.	
F-1	7'-0"x7'-0"x1'-6"	(9) #5 BOTTOM EW		W10X45
F-2	2'-6"	#4@18 OC (3) #5 CONT		--
F-3	3'-6"	#4@18 OC (5) #5 CONT		--
F-4	4'-0"	#4@18 OC (6) #5 CONT		--
F-5	3'-2"	#4@18 OC (3) #5 CONT		--

COLUMN SCHEDULE	
MARK	SIZE
C-1	HSS20X8X1/2
C-2	HSS8X8X1/4
C-3	HSS8X6X1/4



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900 S. Kansas Avenue, Suite 400
Topeka, Kansas 66612
Phone: (785)291-0400
Fax: (785)291-0401
P.N. 01210125

Certificate Of Authorization
E-2007035402

FOR REVIEW ONLY, NOT FOR
CONSTRUCTION

FURNITURE MALL TENANT
IMPROVEMENT

900 NW BLUE PARKWAY
LEE'S SUMMIT, MO 64086

HIVE DESIGN COLLABORATIVE, INC.

1617 WALNUT STREET, KANSAS CITY, MO 64108
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date 12.13.21

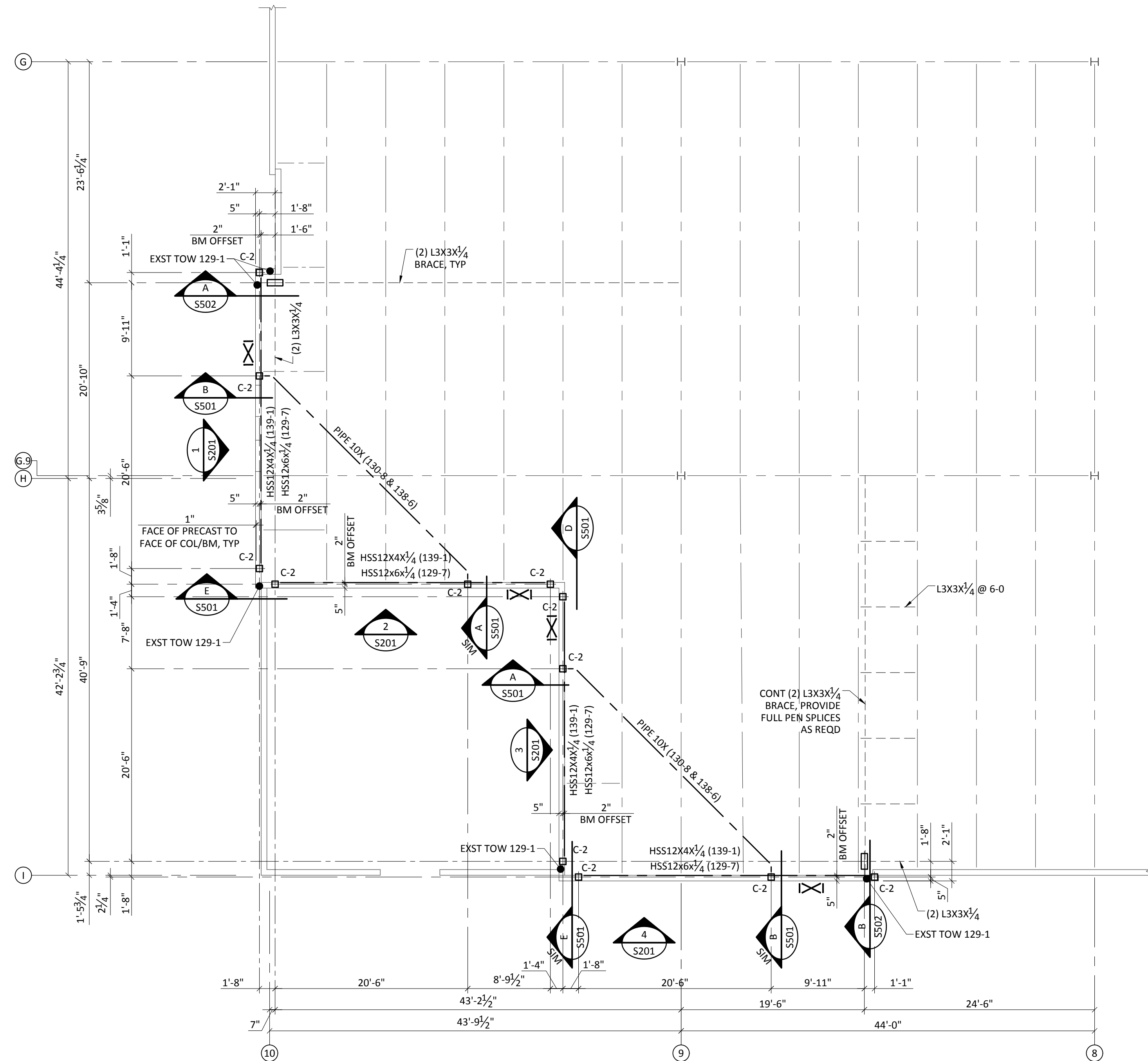
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rev date description

NORTHWEST
FOUNDATION
PLAN

sheet number

S101



PARTIAL NORTHWEST FRAMING PLAN

SCALE: $\frac{1}{8}" = 1'-0"$

TOS - TOP OF STEEL BEAM ELEV NOTED THUS:(ELEV)

TOW - TOP OF WALL ELEV = 129-1 UNO

IX INDICATES BRACED BAY.

* INDICATE DIMENSION TO BE VERIFY WITH ARCH PLANS.

VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. INFORM ENGINEER OF ALL DISCREPANCIES.

COLUMN SCHEDULE	
MARK	SIZE
C-1	HSS20X8X1/2
C-2	HSS8X8X1/4
C-3	HSS8X6X1/4



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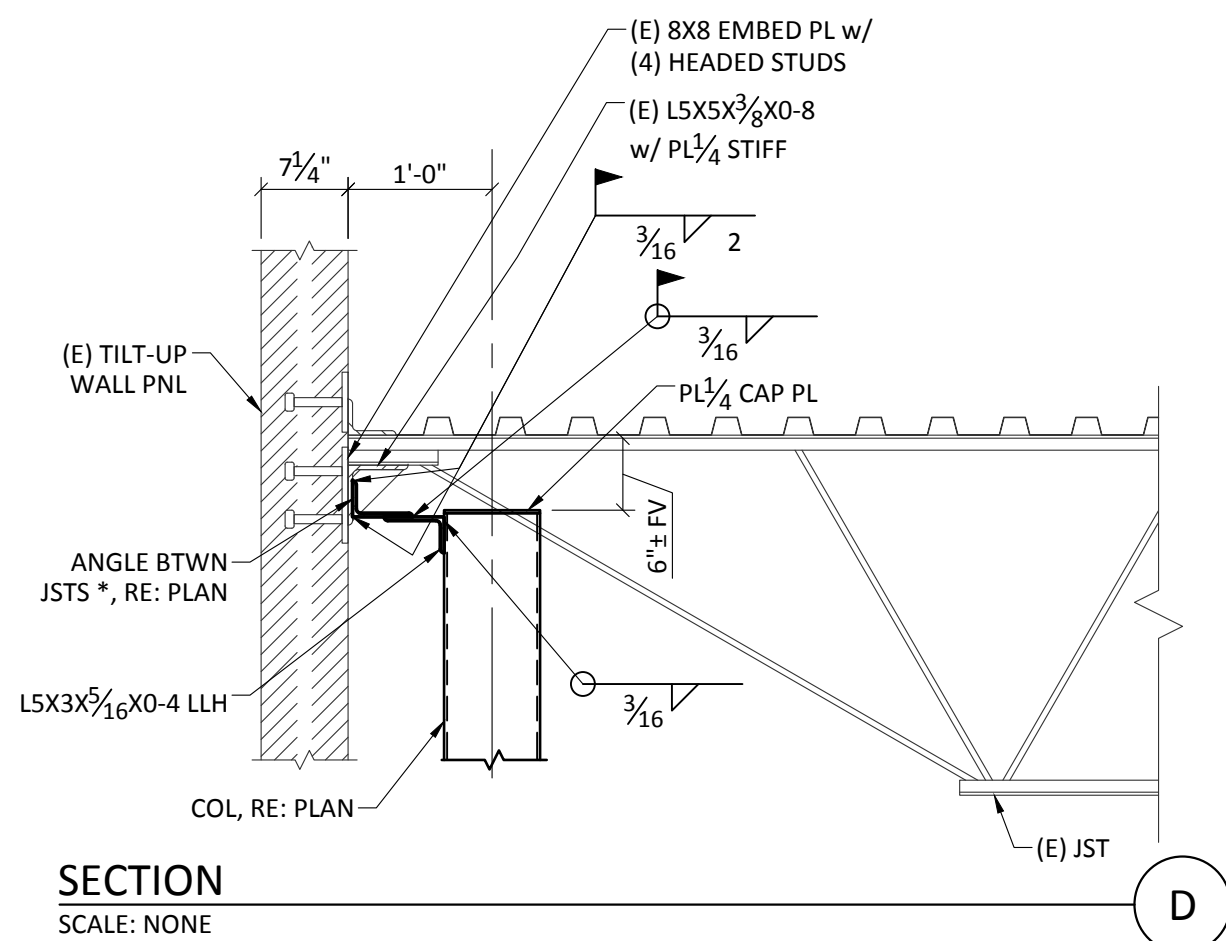
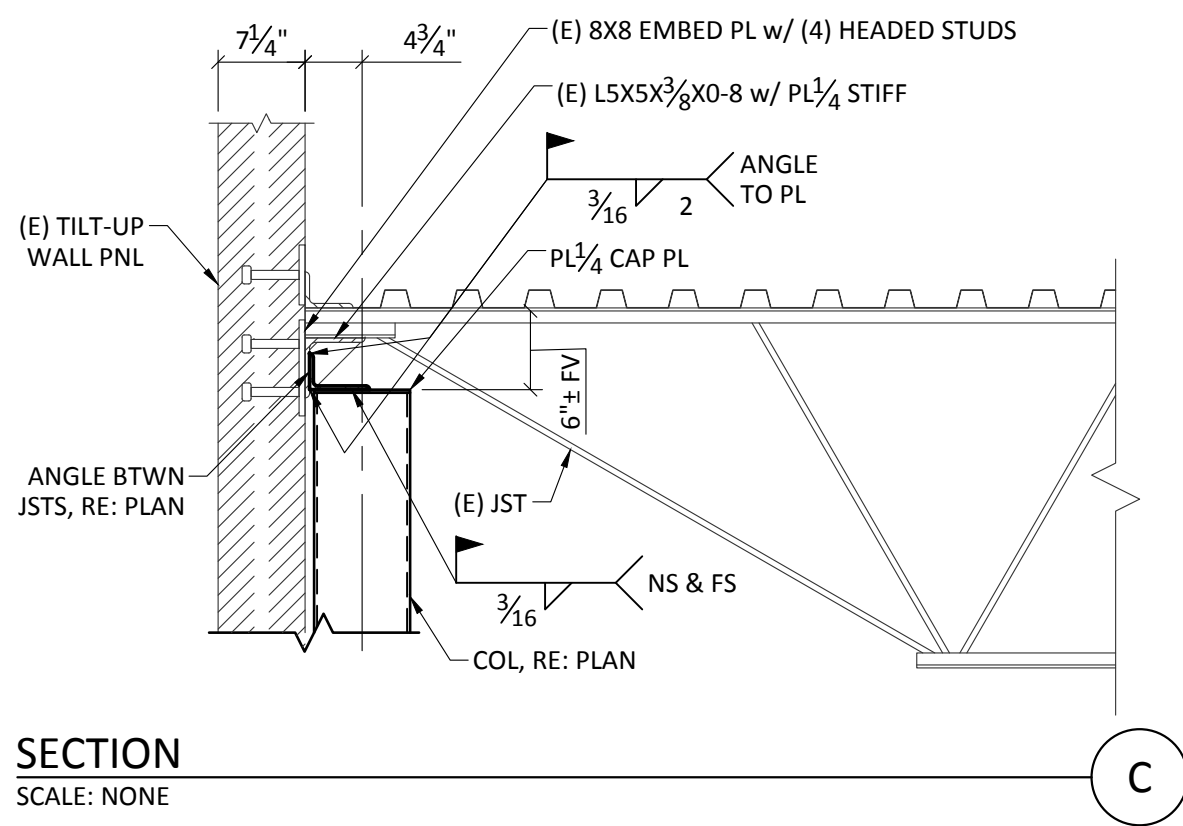
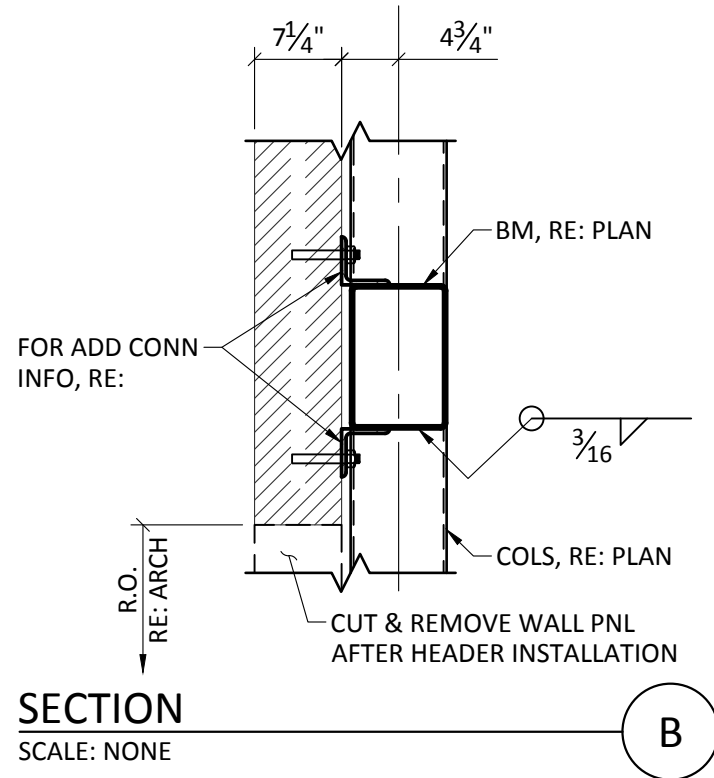
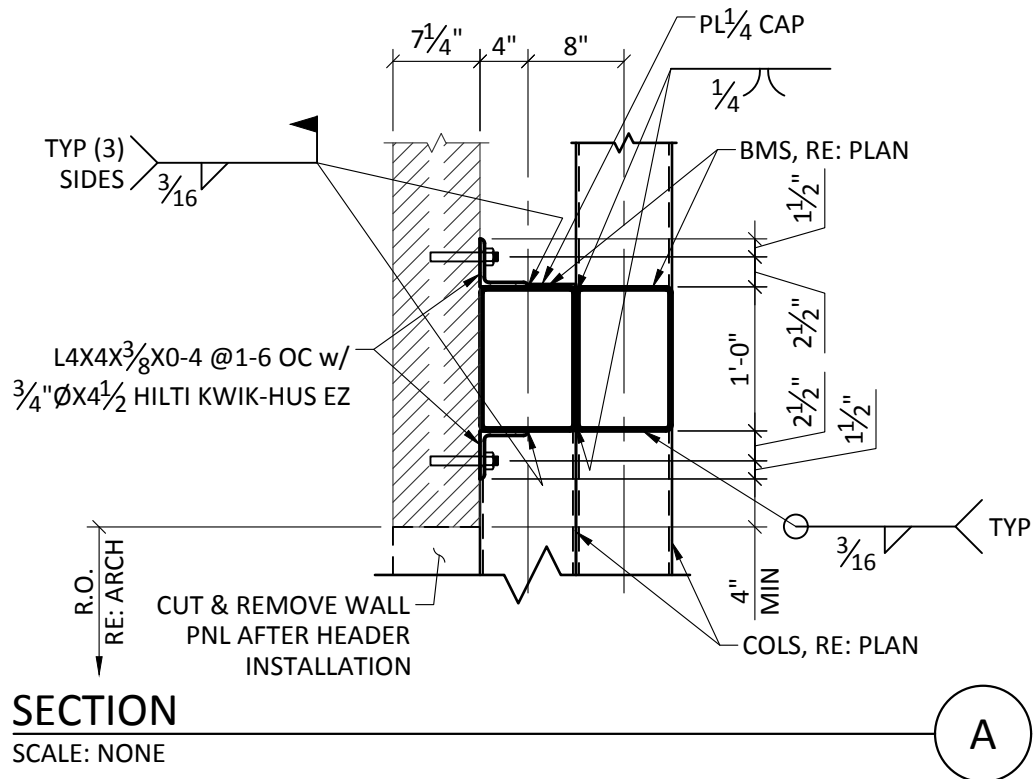
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rev	date	description
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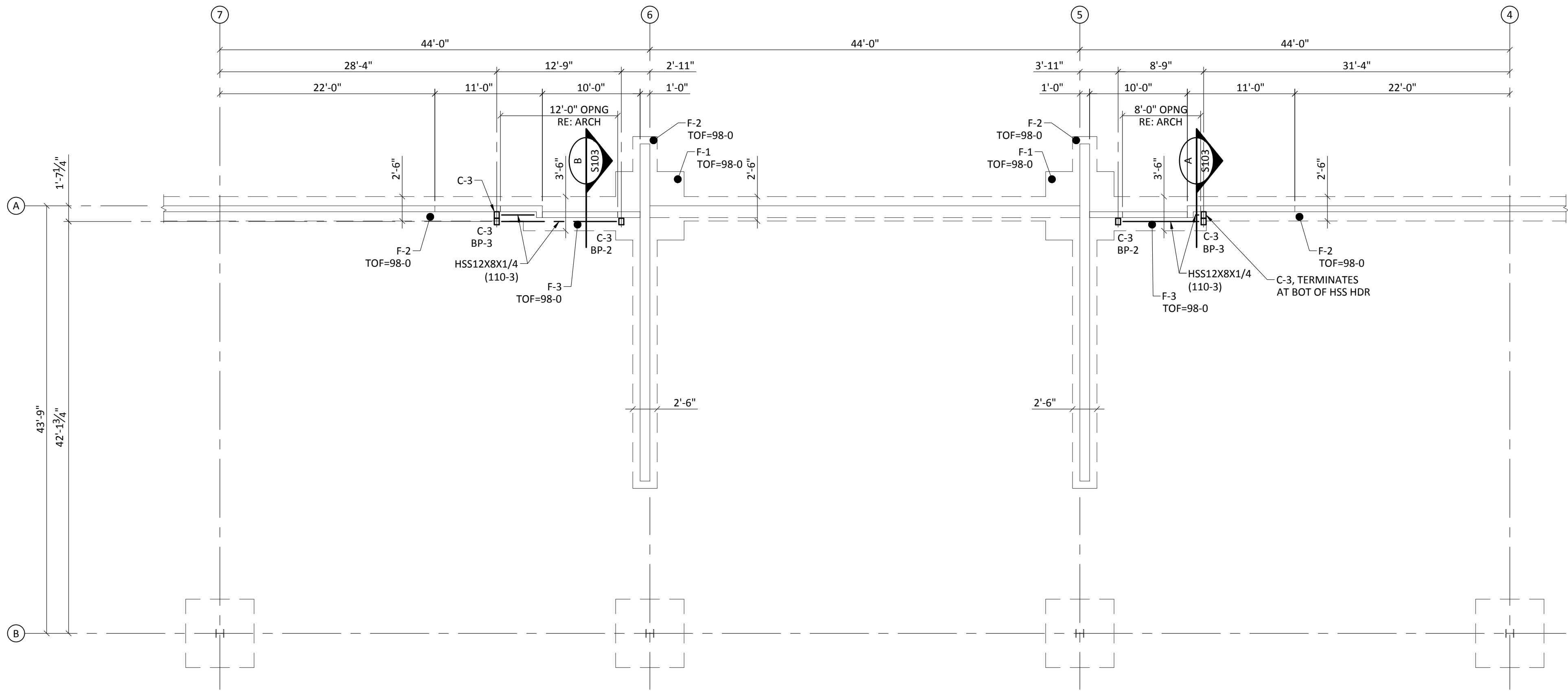
NORTHWEST FRAMING PLAN

sheet number

S102



* LSX3X5/8X0-4 WELDED TO EMBED PL AT SIM. IF COLUMN IS MORE THAN 4" FROM CENTERLINE OF JOIST, PROVIDE ANGLE BTWN JOIST AS INDICATED IN D/S103.



PARTIAL EAST FOUNDATION PLAN

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

TOSL - TOP OF SLAB ELEV = 100-0 = SITE ELEV = 1005.00

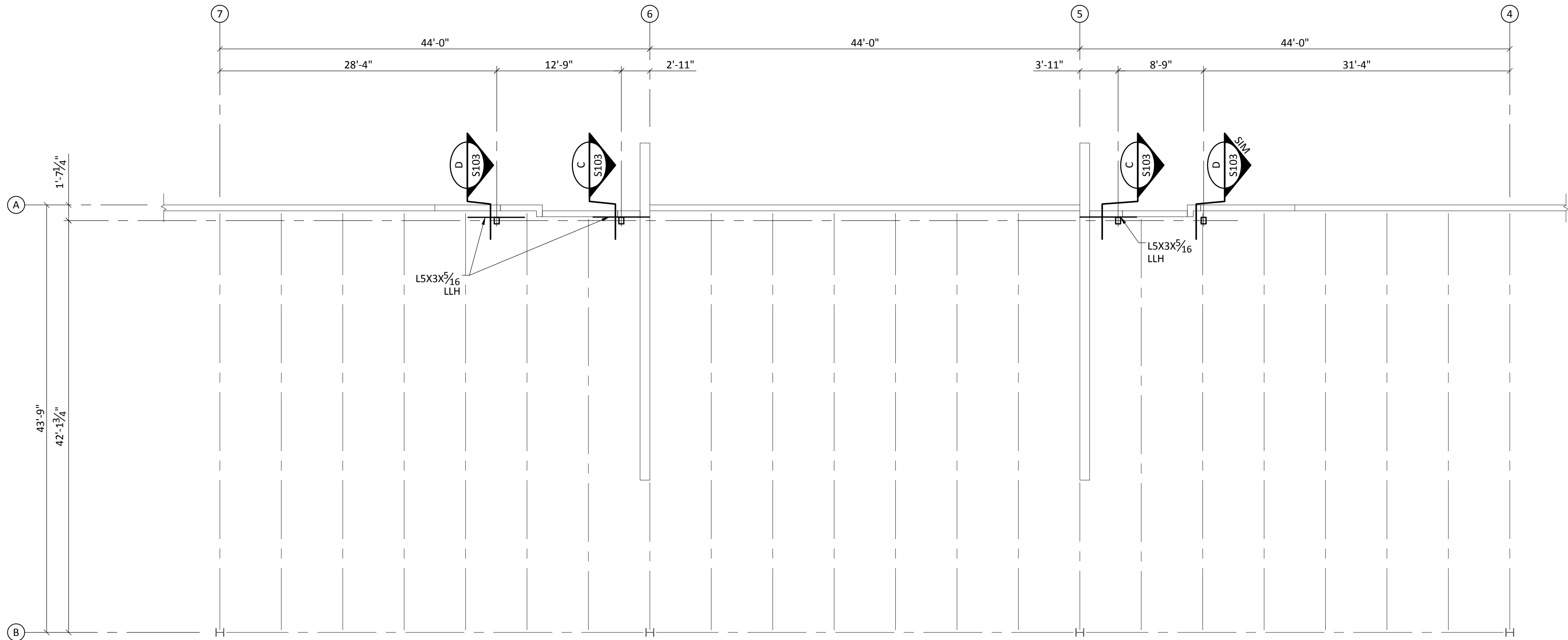
C(##) DENOTES COLUMN MARK, SEE SCHEDULE
BP(##) DENOTES COLUMN BASE PLATE TYPE, SEE DETAILS

* INDICATE DIMENSION TO BE VERIFY WITH ARCH PLANS.

COORDINATE ALL PENETRATIONS THROUGH THE SLAB AND ALL UNDER SLAB ITEMS WITH OTHER TRADES BEFORE CONSTRUCTION.

VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. INFORM ENGINEER OF ALL DISCREPANCIES.

COLUMN SCHEDULE	
MARK	SIZE
C-1	HSS20X8X1/2
C-2	HSS8X8X1/4
C-3	HSS8X6X1/4



PARTIAL EAST FRAMING PLAN

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

TOS - TOP OF STEEL BEAM ELEV NOTED THUS:(ELEV)

TOW - TOP OF WALL ELEV = 129-1 UNO

* INDICATE DIMENSION TO BE VERIFY WITH ARCH PLANS.

VERIFY ALL DIMENSIONS SHOWN WITH ARCHITECTURAL AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. INFORM ENGINEER OF ALL DISCREPANCIES.



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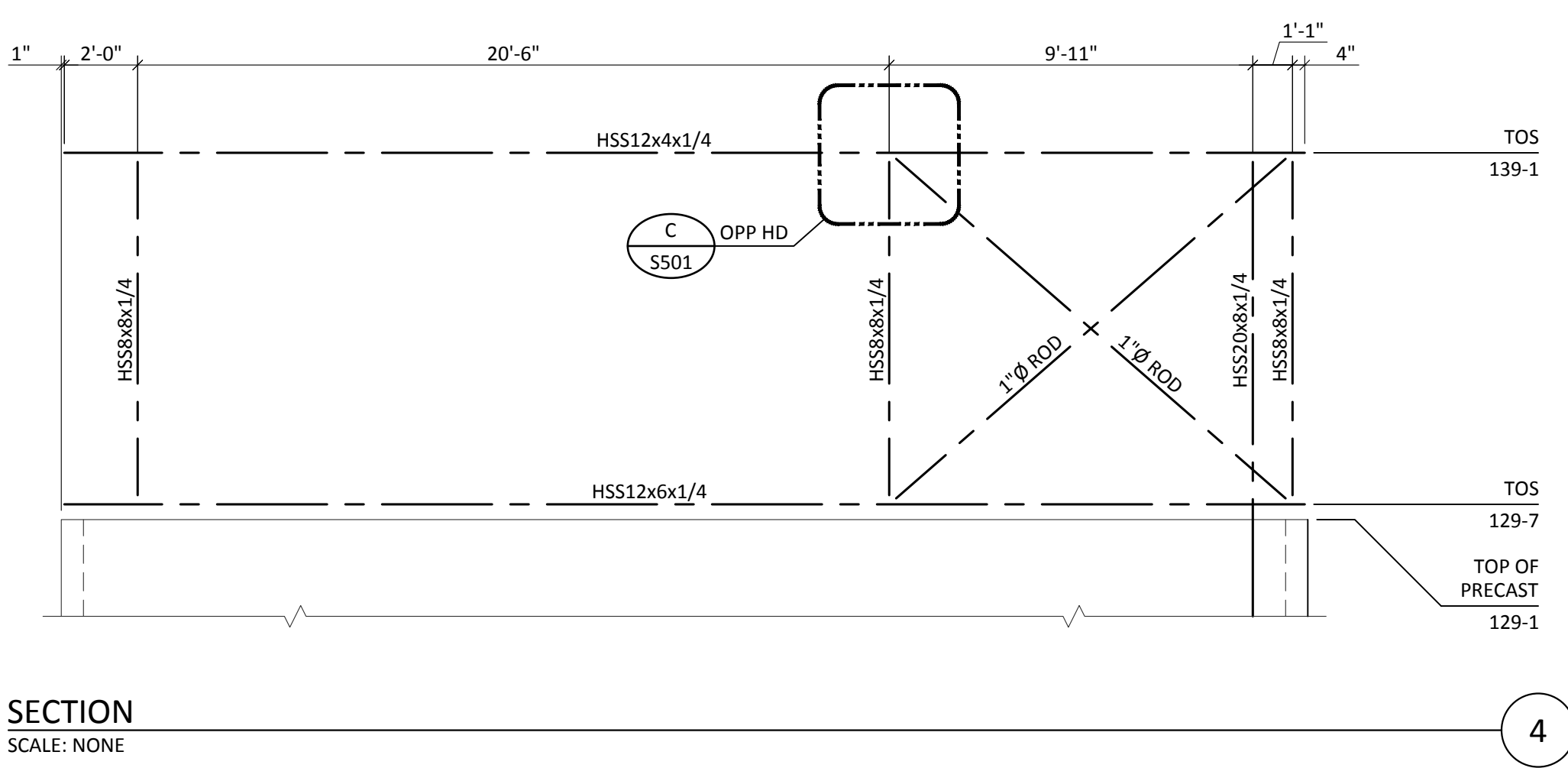
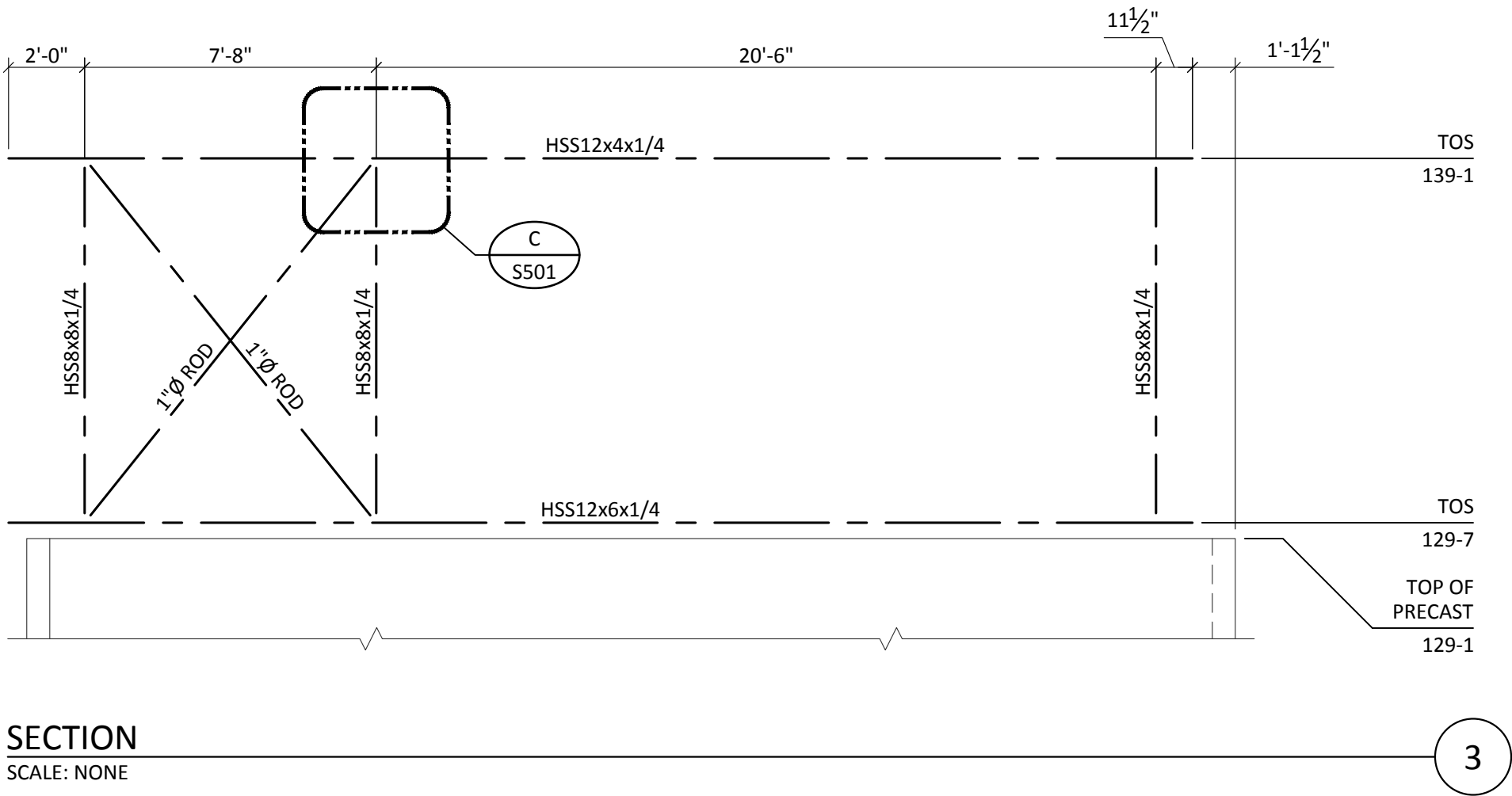
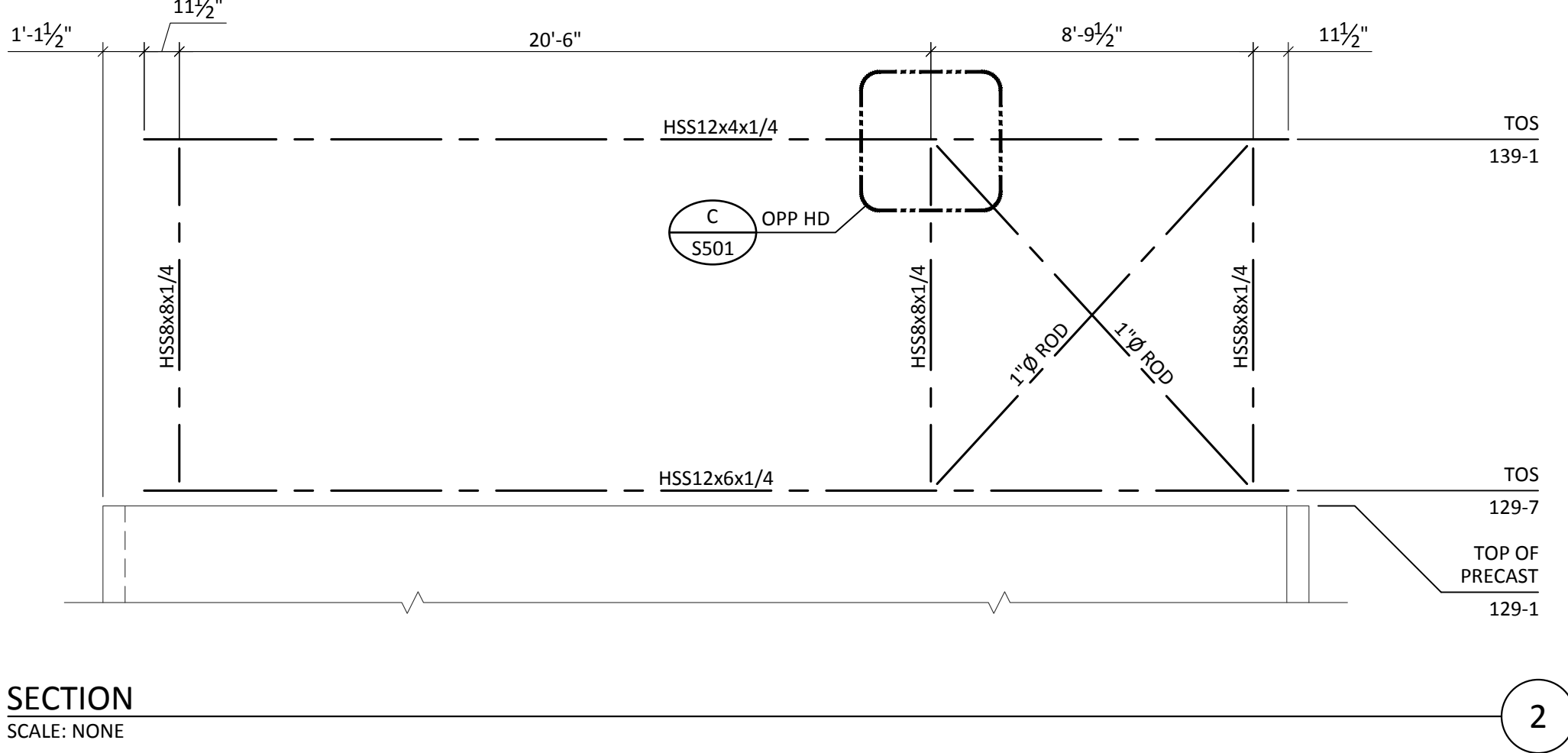
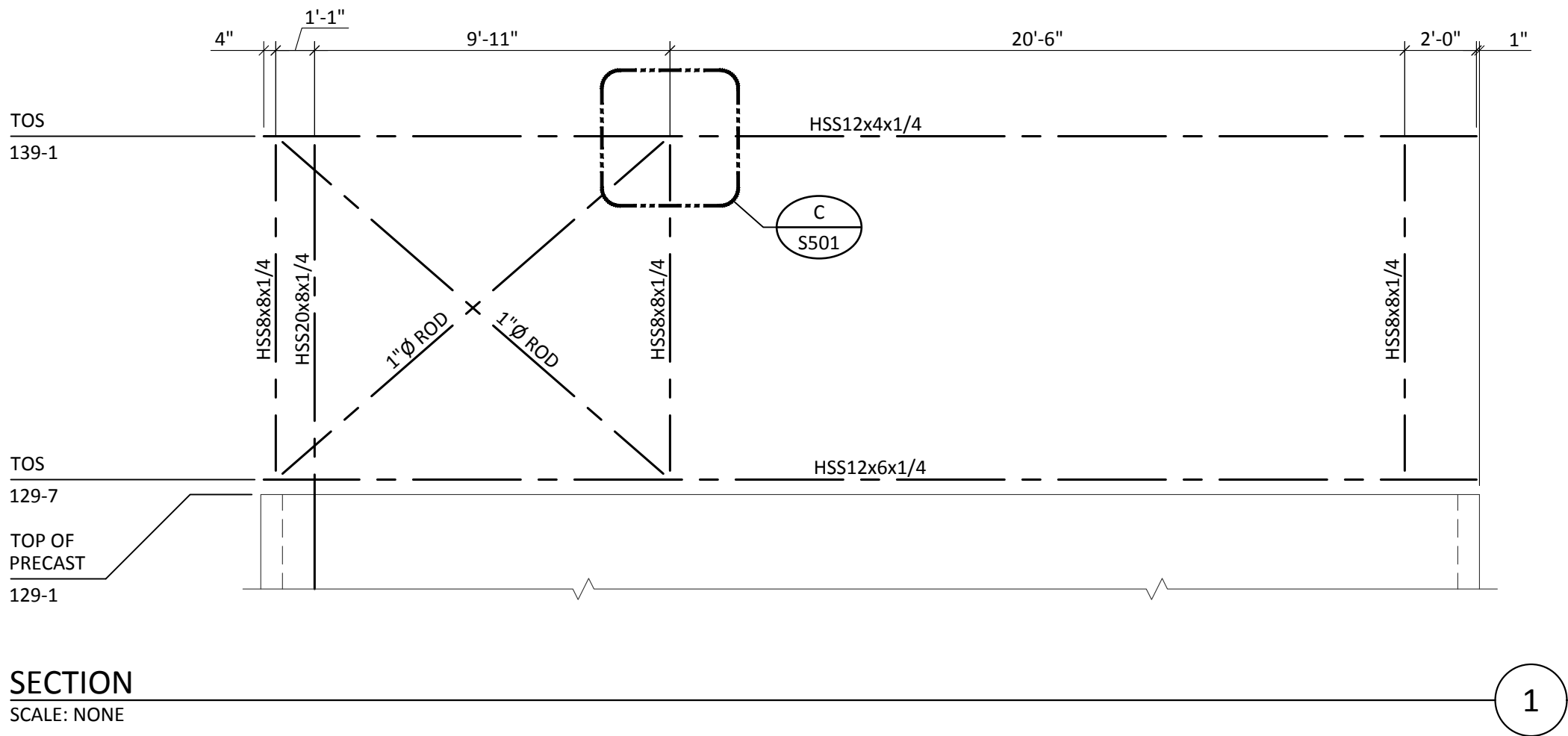
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EAST
FOUNDATION &
FRAMING
PLANS

sheet number

S103

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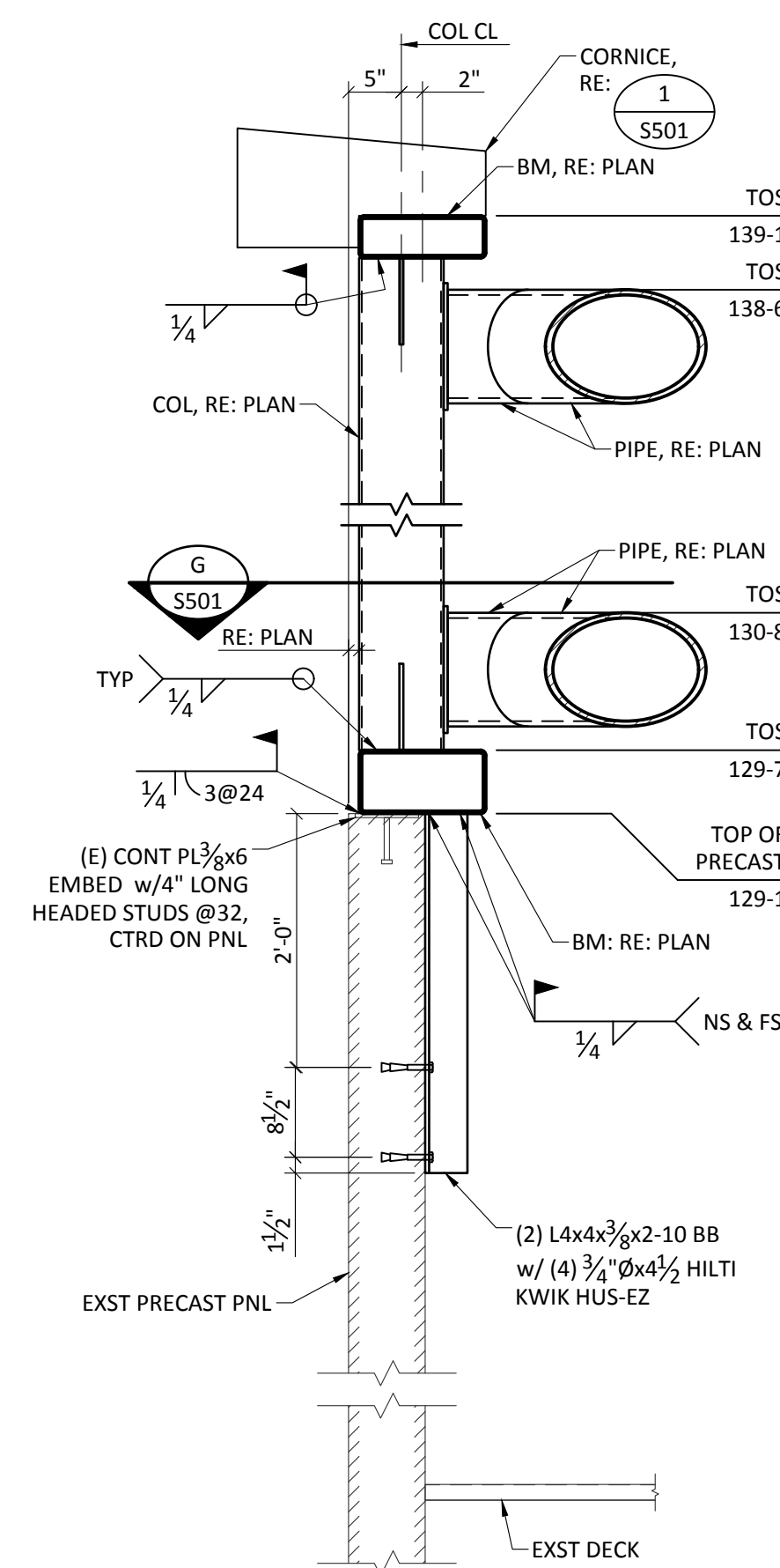
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rev	date	description
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ELEVATIONS

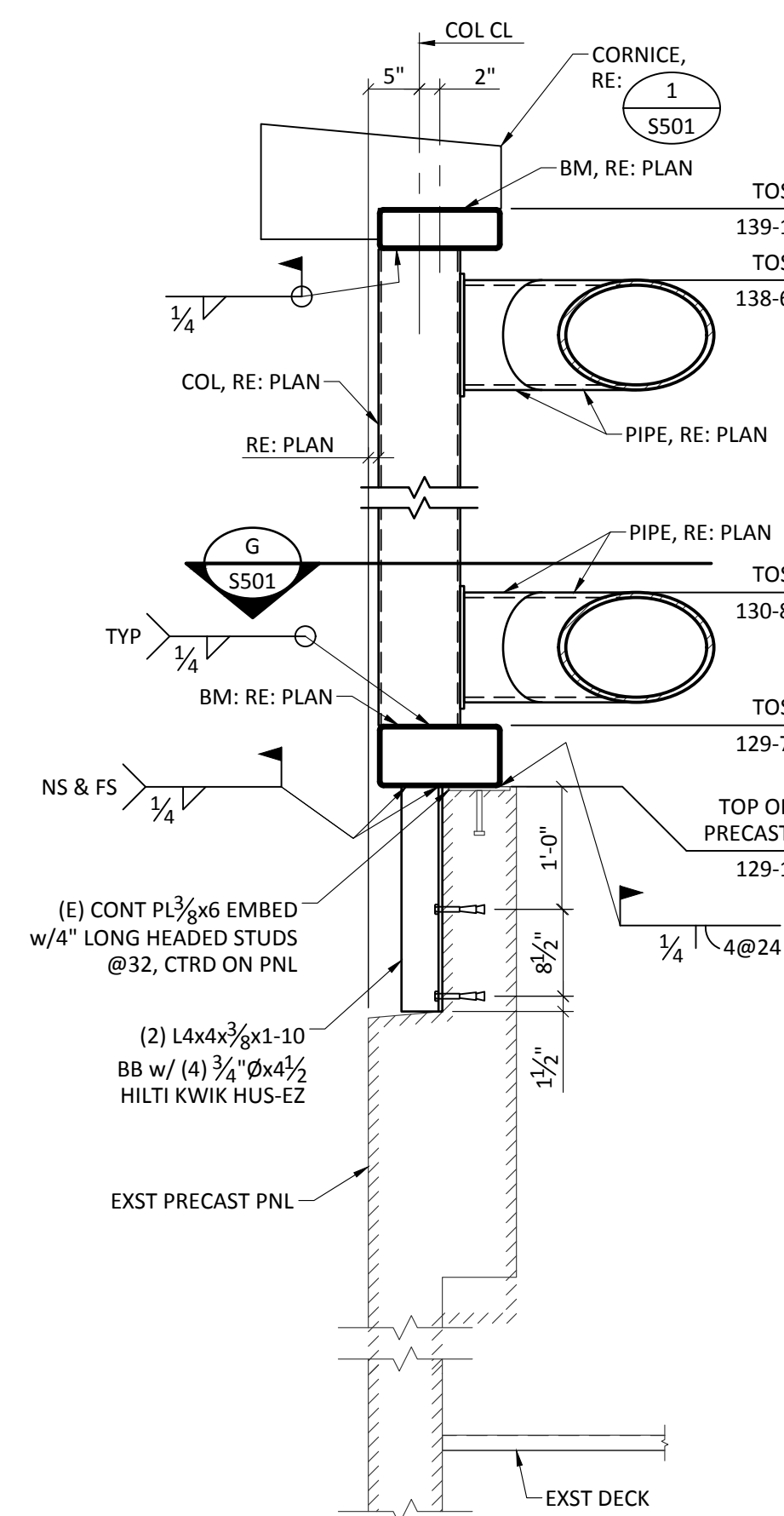
sheet number

S201



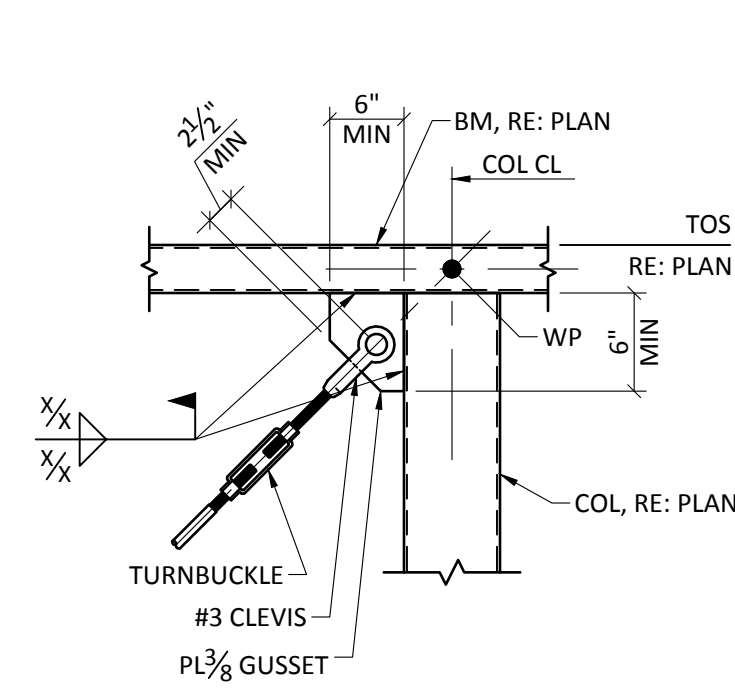
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SCALE: NONE

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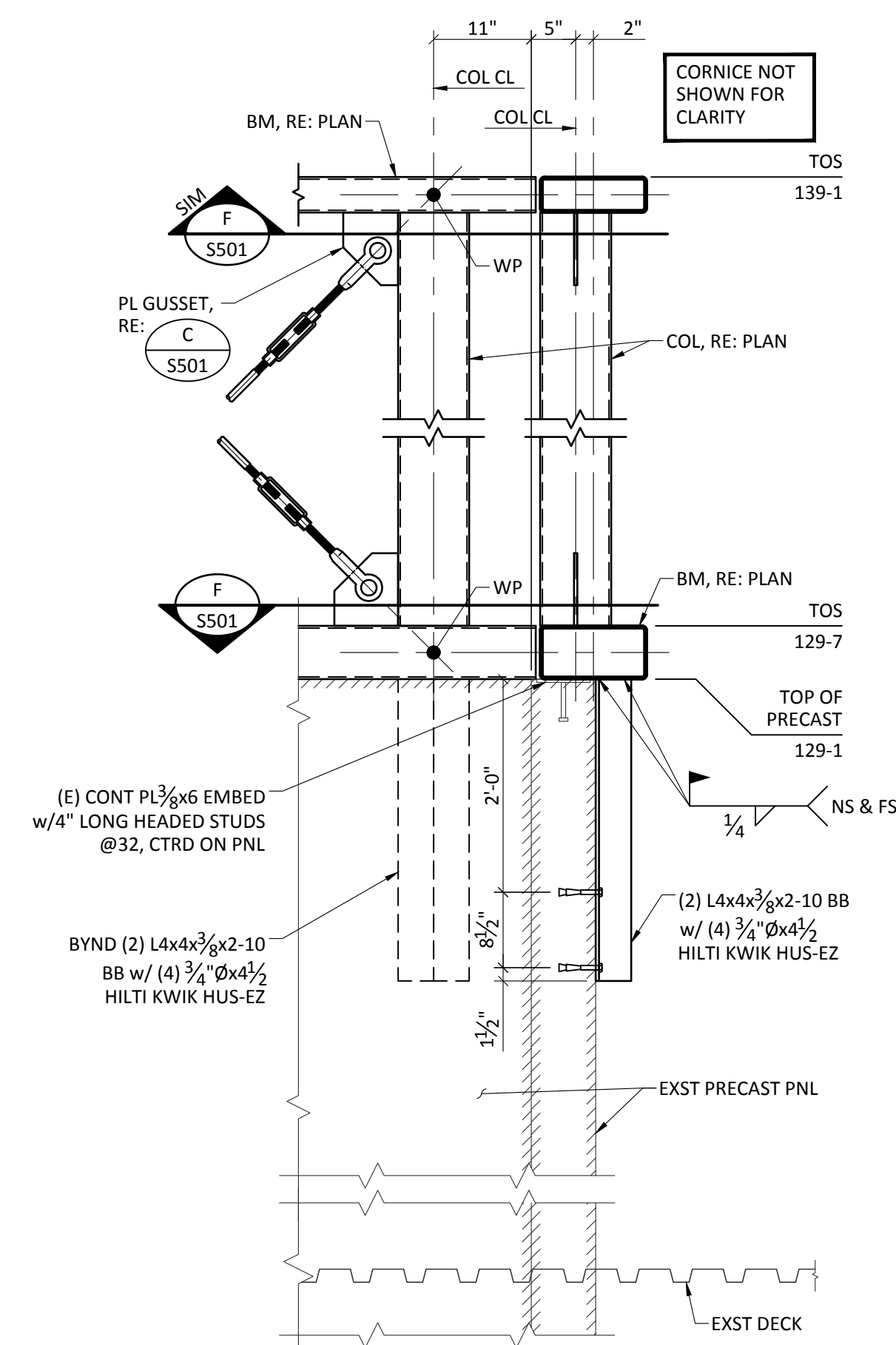


SECTION
SCALE: NONE

ON
NE

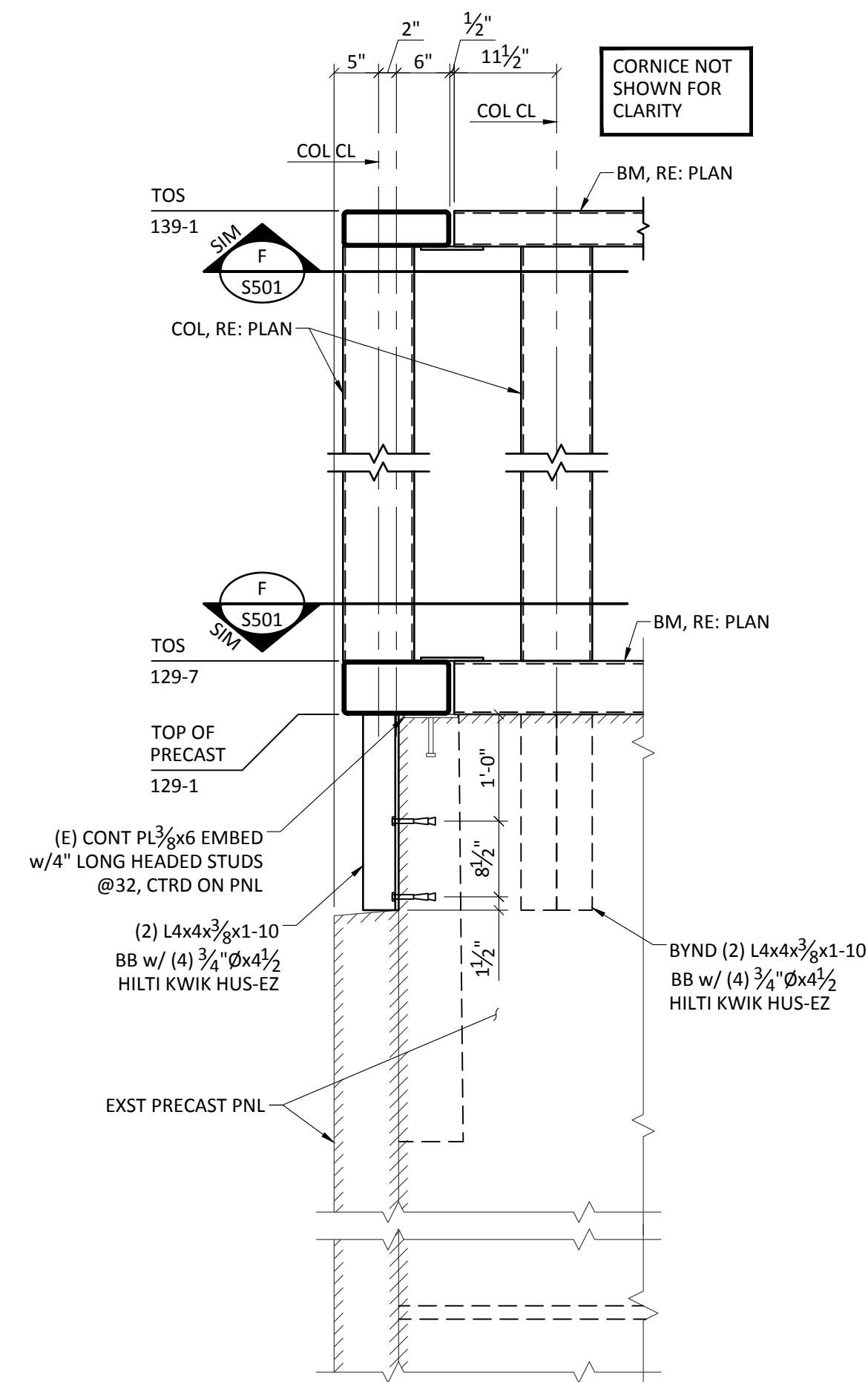


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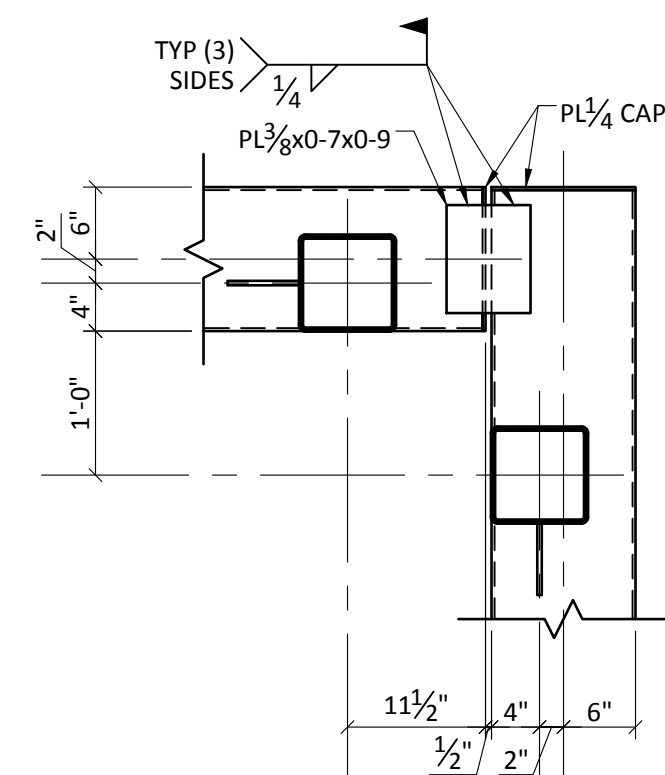
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SECTION
SCALE: NONE

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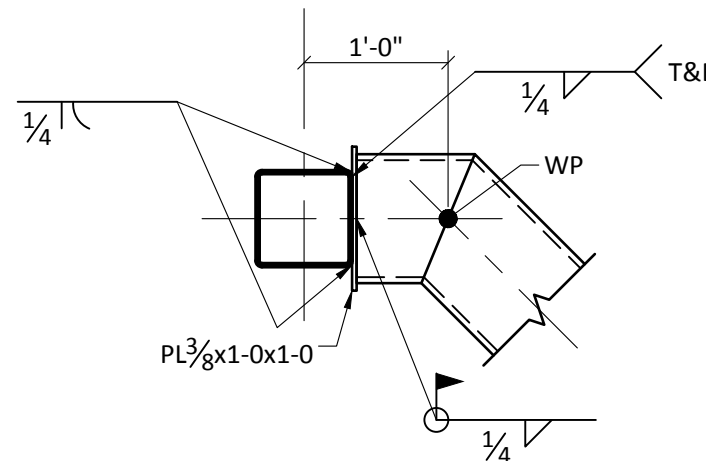


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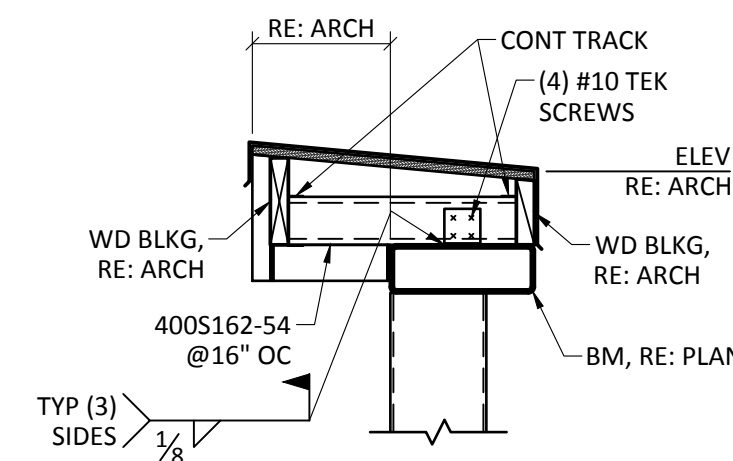
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SECTION
SCALE: NONE

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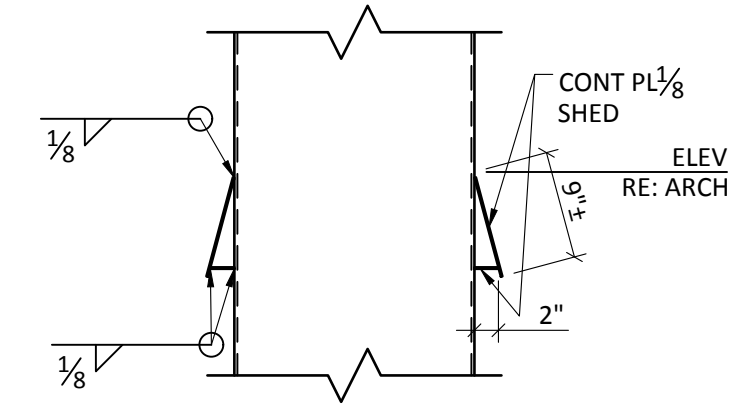


SECTION
SCALE: NONE

$$\frac{SE}{SCA}$$


TYPICAL CORNICE DETAIL
SCALE: NONE

73



TYPICAL SHED PLATE
SCALE: NONE

 $\frac{T}{s}$ **CERTUS** 

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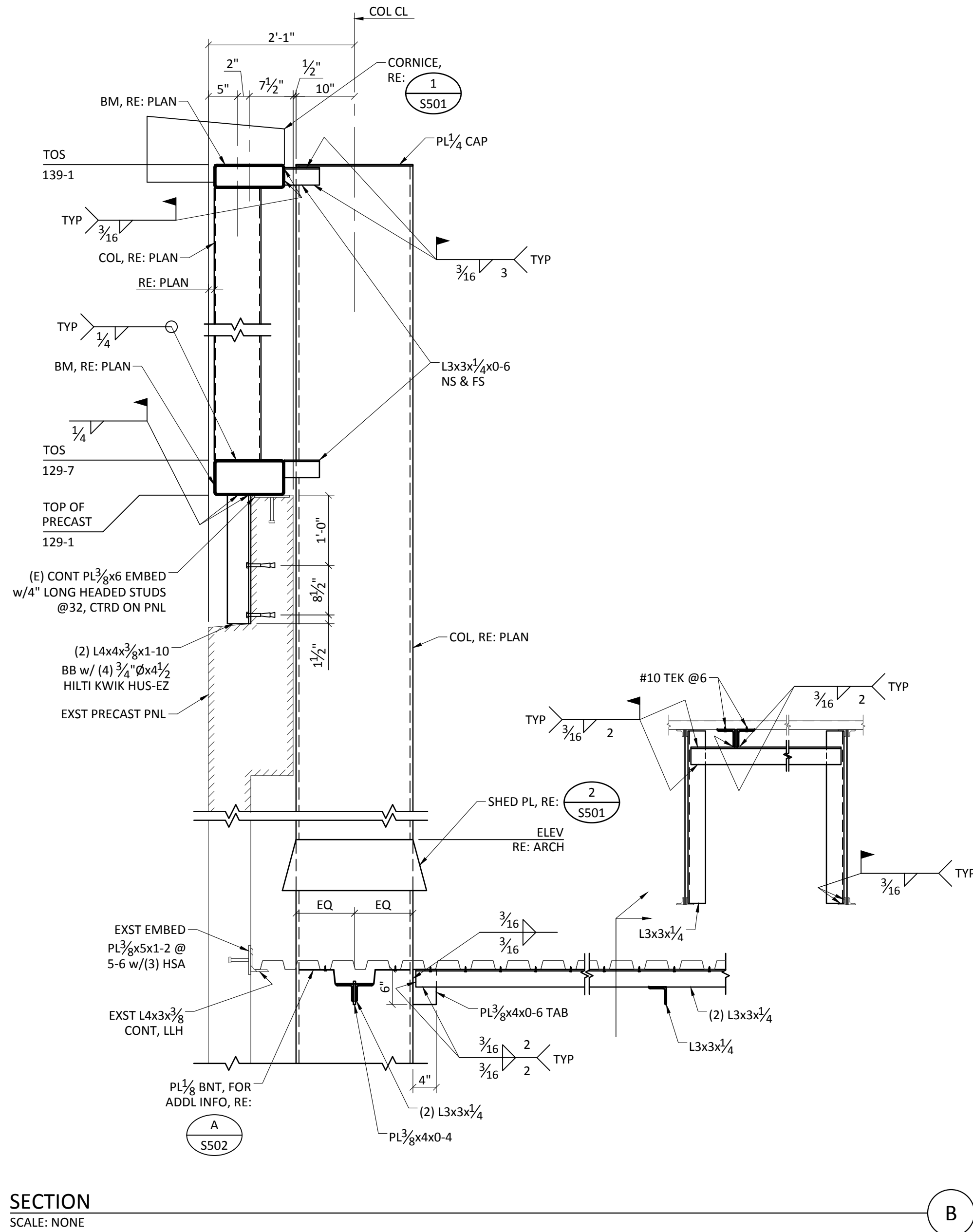
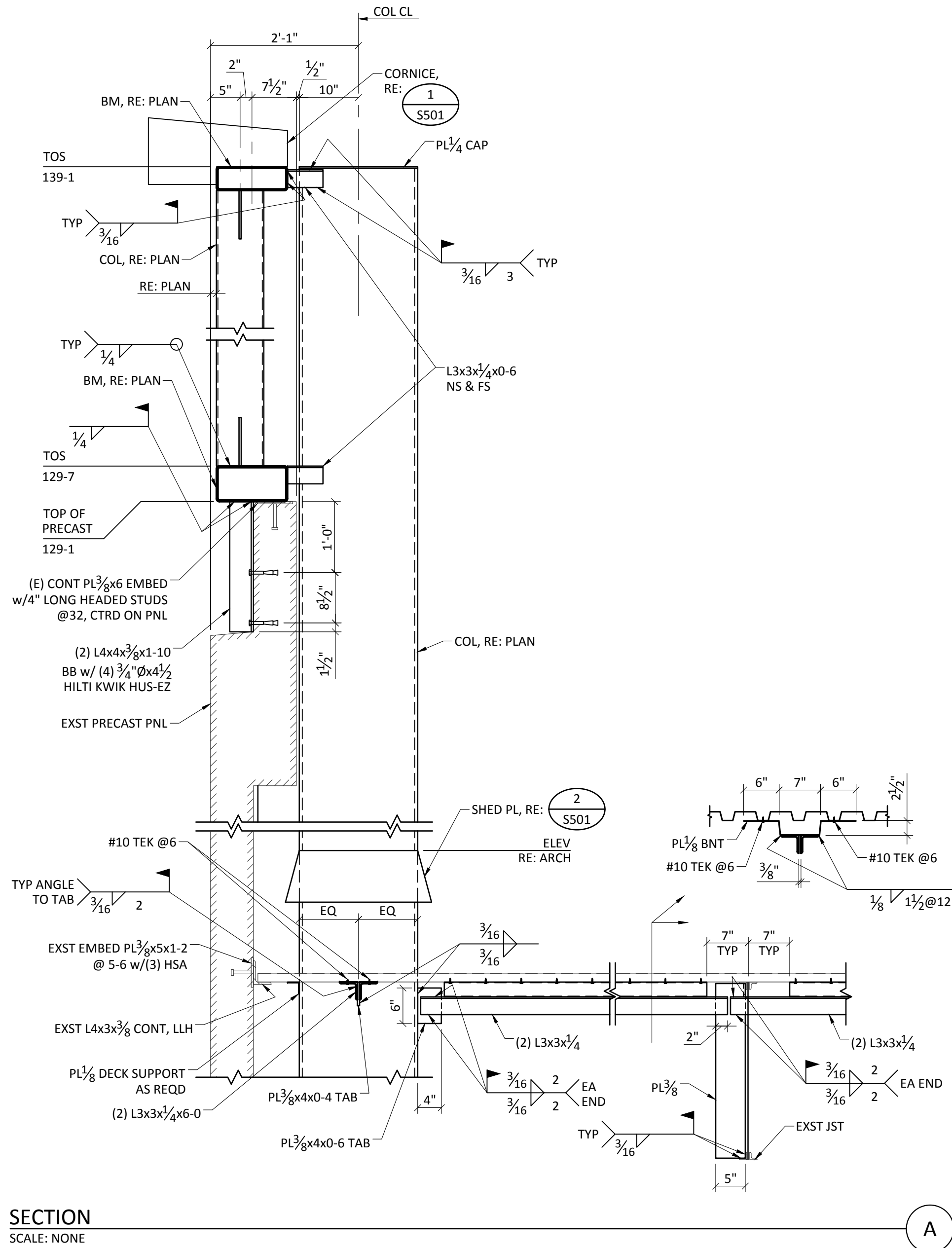
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FRAMING SECTIONS & DETAILS I

sheet number

S501

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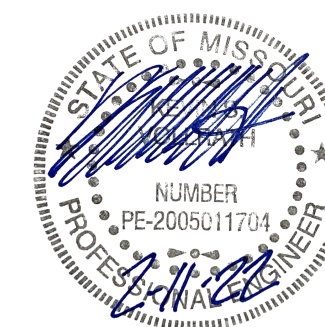
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date 12.13.21

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FRAMING SECTIONS & DETAILS II

sheet number

S502

HVAC ROOFTOP UNIT SCHEDULE									
MARK <div>⬡</div>	CFM	OA CFM	TOTAL COOLING CAPACITY (TONS)	HEATING CAPACITY (BTUH)		ELECTRICAL			REMARKS
				INPUT	OUTPUT	BLOWER HP	VOLTS		
RTU-1	5800	1875	15	169,000	135,000	5	460		1
RTU-2	5800	2025	15	169,000	135,000	5	460		1
RTU-3	5800	1740	15	169,000	135,000	5	460		1
RTU-4	5800	2050	17.5	260	208	5	460		1
RTU-5	2000	350	5	78	62.4	2	460		1, 2
RTU-6	1675	370	5	78	62.4	2	460		1, 2
RTU-7	5600	1480	15	169	135	3	460		1,3
RTU-8	4200	1375	13	169	135	3	460		1,3
RTU-9	4200	1445	13	169	135	3	460		1,3
RTU-10	4200	1345	13	169	135	3	460		1,3
RTU-11	5600	1460	15	169	135	3	460		1,3
RTU-12	5800	1375	15	169	135	3	460		1,3
RTU-13	5600	1445	15	169	135	3	460		1,3
RTU-14	5600	1350	15	169	135	3	460		1,3
RTU-15	1675	400	5	78	62.4	2	460		1, 2
RTU-16	2000	405	5	78	62.4	2	460		1, 2
RTU-17	5800	1465	15	130	104	5	460		1
RTU-18	5800	1650	15	169	135	5	460		1
RTU-19	5800	1710	15	169	135	5	460		1
RTU-20	5800	1960	17.5	169	135	5	460		1
RTU-21	3000	520	7.5	130	104	2	460		1, 2
RTU-22	2700	900	10	130	104	2	460		1
RTU-23	3400	540	7.5	130	104	2	460		1
RTU-24	2000	380	5	78	62.4	2	460		1, 2
RTU-25	3600	250	10	130	104	3	460		1
RTU-26	2950	355	7.5	130	104	2	460		1, 2
RTU-27	2800	645	7.5	130	104	3	460		1

NOTES:
1. CLEAN AND PERFORM MANUFACTURERS RECOMMENDED MAINTENANCE ON THE EQUIPMENT THAT IS TO REMAIN INCLUDING CLEANING, FILTER/BELT REPLACEMENTS, AND CHECKING REFRIGERANT LEVELS.
2. ABANDON PACKAGE UNIT IN PLACE AND REMOVE ALL ASSOCIATED INTERIOR DUCTWORK. UNIT SHALL REMAIN AS A POSSIBLE BACKUP UNIT.
3. REMOVE ALL DUCTWORK ASSOCIATED WITH THE PACKAGE UNIT AND REPLACE WITH A CONCENTRIC DIFFUSER TO MATCH THE EXISTING UNITS.

INTERNAL HEAT GAIN								
ITEM DESCRIPTION	QUANTITY	WATTAGE	RATED (BTUH)	USAGE FACTOR	RADIATION FACTOR	SENSIBLE HEAT GAIN (BTUH)	LATENT HEAT GAIN (BTUH)	TOTAL (BTUH)
UNHOODED ELECTRIC APPLIANCES								
ESPRESSO MACHINE	1	0	8200	0.15	0.33	1200	0	1200
COFFEE BREWING URN/WATER TOWER	2	0	1300	0.09	0.17	500	700	2400
OVEN	1	11000	37510	0.2	0.08	7500	0	7500
REACH-IN FRIDGE/FREEZER/DISPLAY CASE	4	0	4800	0.25	0.25	1200	0	4800
ICE MAKER	1	0	5961	0.41	0.45	2444	0	2444
CUSTARD MACHINE	1	0	28371	0.41	0.45	11632	0	11632
TOTAL		11000	51810			10400	700	29976
							TOTAL (TONS)	2.5

REQUIRED MINIMUM OUTDOOR VENTILATION						
2018 INTERNATIONAL MECHANICAL CODE TABLE 403.3						
AREA DESCRIPTION	OCCUPANCY CLASSIFICATION	PERSONS	OUTDOOR CFM/PERSON	AREA SQUARE FOOTAGE	OUTDOOR CFM/S. F.	CFM USED
OFFICES	OFFICE SPACE	16	5	3,350	0.06	281
SALES FLOOR	SALES	1200	7.5	88,075	0.12	19569
CIRCULATION	MALL COMMON AREAS	300	5	20,425	0.06	2726
	CAFÉ	35	7.5	1,300	0.18	497
RECEIVING	WAREHOUSE		0	4,575	0.06	275
					TOTAL	23347

AIR DEVICE SCHEDULE													
MARK <div>⬡</div>	NECK SIZE	DIFFUSER FACE OR CEILING GRID SIZE	TYPE		CFM RANGE	MOUNTING		DUTY		MFR.	MODEL NO.		
			DIFFUSER	REGISTER		LAY-IN	RECESSED	SUPPLY	RETURN				
S-1	8"Ø	24" x 24"	X		200		X	X		TITUS	OMNI		
S-2	EXISTING DIFFUSER, REBALANCE TO SPECIFIED CFM.												
S-3	8"Ø	6" x 48"	X		200		X	X		TITUS	FLOWBAR		

DESIGN CONDITIONS			
LOCATION:	LEE SUMMIT, MO	WET BULB:	57
TOTAL CONDITIONED AREA:	RETAIL: 117,040 SF	DAILY RANGE:	MEDIUM
(KANSAS CITY AP)		DESIGN MONTH:	JULY
OUTDOOR		DESIGN HOUR:	3:00 PM
DRY BULB	DRY BULB		
SUMMER 93	75		
WINTER 4	70		
HEAT LOSS/GAIN SUMMARY			
	U-VALUE	LOSS	SENSIBLE GAIN LATENT GAIN
WALLS	0.117	138,768	33,847 0
WINDOWS	0.75	93,456	62,272 0
DOORS	0.56	9,978	3,048 0
CEILINGS	0.087	471,203	359,627 0
FLOORS	1.16	0	0 0
INTERNAL LOADS		0	448,757 118,750
INFILTRATION		0	0 0
VENTILATION		1,661,092	453,025 622,338
TOTAL		2,374,497	1,171,263 741,088

DESIGN CONDITIONS			
LOCATION:	LEE SUMMIT, MO	WET BULB:	57
TOTAL CONDITIONED AREA:	DOCK AREA: 4,746 SF	DAILY RANGE:	MEDIUM
(KANSAS CITY AP)		DESIGN MONTH:	JULY
OUTDOOR		DESIGN HOUR:	3:00 PM
DRY BULB	DRY BULB		
SUMMER 93	75		
WINTER 4	70		
HEAT LOSS/GAIN SUMMARY			
	U-VALUE	LOSS	SENSIBLE GAIN LATENT GAIN
WALLS	0.117	29,395	8,714 0
WINDOWS	0.75	0	0 0
DOORS	0.56	14,138	5,177 0
CEILINGS	0.087	19,107	6,862 0
FLOORS	1.16	0	0 0
INTERNAL LOADS		0	1,707 0
INFILTRATION		179,556	24,575 33,759
VENTILATION		0	0 0
TOTAL		242,196	47,055 33,759

DESIGN CONDITIONS			
LOCATION:	LEE SUMMIT, MO	WET BULB:	57
TOTAL CONDITIONED AREA:	CAFE: 1,080 SF	DAILY RANGE:	MEDIUM
(KANSAS CITY AP)		DESIGN MONTH:	JULY
OUTDOOR		DESIGN HOUR:	3:00 PM
DRY BULB	DRY BULB		
SUMMER 93	75		
WINTER 4	70		
HEAT LOSS/GAIN SUMMARY			
	U-VALUE	LOSS	SENSIBLE GAIN LATENT GAIN
WALLS	0.117	2,556	354 0
WINDOWS	0.75	4,116	1,841 0
DOORS	0.56	804	294 0
CEILINGS	0.087	7,556	2,268 0
FLOORS	1.16	0	0 0
INTERNAL LOADS		0	30,283 1,400
INFILTRATION		18,456	2,570 3,530
VENTILATION		0	0 0
TOTAL		33,532	37,610 4,930

- GENERAL NOTES:**
1. ALL WORK SHALL CONFORM TO THE LATEST ADOPTED VERSION OF THE INTERNATIONAL MECHANICAL CODE (IMC).
 2. ALL DUCT CONSTRUCTION, GAUGES, METHODS OF HANGING AND SUPPORTING SHALL CONFORM TO THE LATEST SMACNA STANDARDS AND CHAPTER 6 OF THE IMC.
 3. ALL EXHAUST, RETURN, AND SUPPLY DUCTS SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL TO SMACNA 2" PRESSURE CLASS. ALL JOINTS AND SEAMS SHALL BE SEALED AIRTIGHT.
 4. ALL ROUND EXHAUST AND SUPPLY DUCTS SHALL BE STANDARD GALVANIZED "SNAP-LOCK" PIPE WITH ALL CHANGES IN DIRECTION MADE VIA ADJUSTABLE ELBOWS. ALL JOINTS AND SEAMS SHALL BE SEALED AIRTIGHT.
 5. PROVIDE MANUAL DAMPERS WITH LOCKING QUADRANTS IN ALL LOCATIONS INDICATED OR REQUIRED TO BALANCE THE AIR SYSTEM.
 6. COORDINATE THE LOCATION OF DUCTWORK WITH THE PLACEMENT OF THE EXISTING LIGHT FIXTURES AND THE EXISTING STRUCTURAL MEMBERS.
 7. LINE ALL DUCTS WITH 1/2" INSULATION. (EXCLUDE EXHAUST AND DUCTS UNDER 10" IN DIAMETER OR 10" x 10" IN SIZE). ALL DUCT DIMENSIONS GIVEN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS (W x D).
 8. THE CONTRACTOR SHALL VERIFY ALL STRUCTURAL CONDITIONS FOR THE CEILING SPACE AND EXACT DUCT ROUTE PRIOR TO FABRICATION. VERIFY IN THE FIELD EXACT ROUTING OF DUCTWORK TO ALLOW PROPER LOCATION OF LIGHTS AS SHOWN.
 9. ANY FRAMING REQUIRED FOR DIFFUSER INSTALLATION IN HARD CEILINGS SHALL BE BY THE GENERAL CONTRACTOR.
 10. ANY EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED, WITH ADEQUATE ROOM FOR SERVICING.
 11. HVAC UNITS SHALL BE MOUNTED LEVEL.
 12. SUPPLY SPECIFIED EQUIPMENT OR APPROVED EQUAL.
 13. CONTRACTOR SHALL REVIEW ALL EQUIPMENT NAME PLATES AND INSTALLATION REQUIREMENTS PRIOR TO DOING WORK. EQUIPMENT IS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 14. ALL NEW THERMOSTATS SHALL BE 7-DAY PROGRAMMABLE DEVICES.



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steven@hce-pa.com

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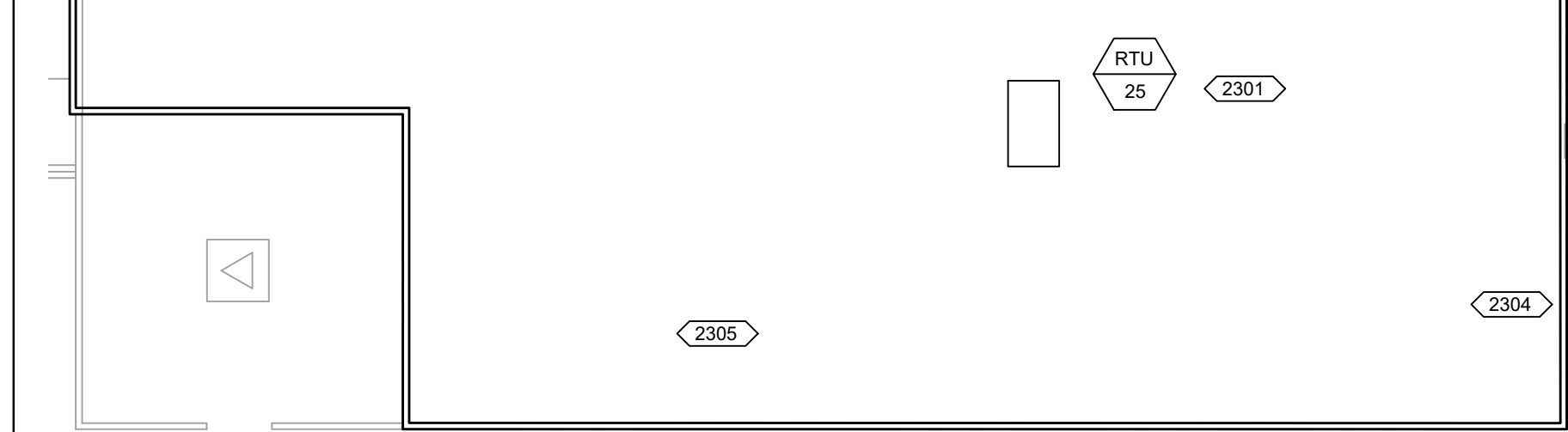
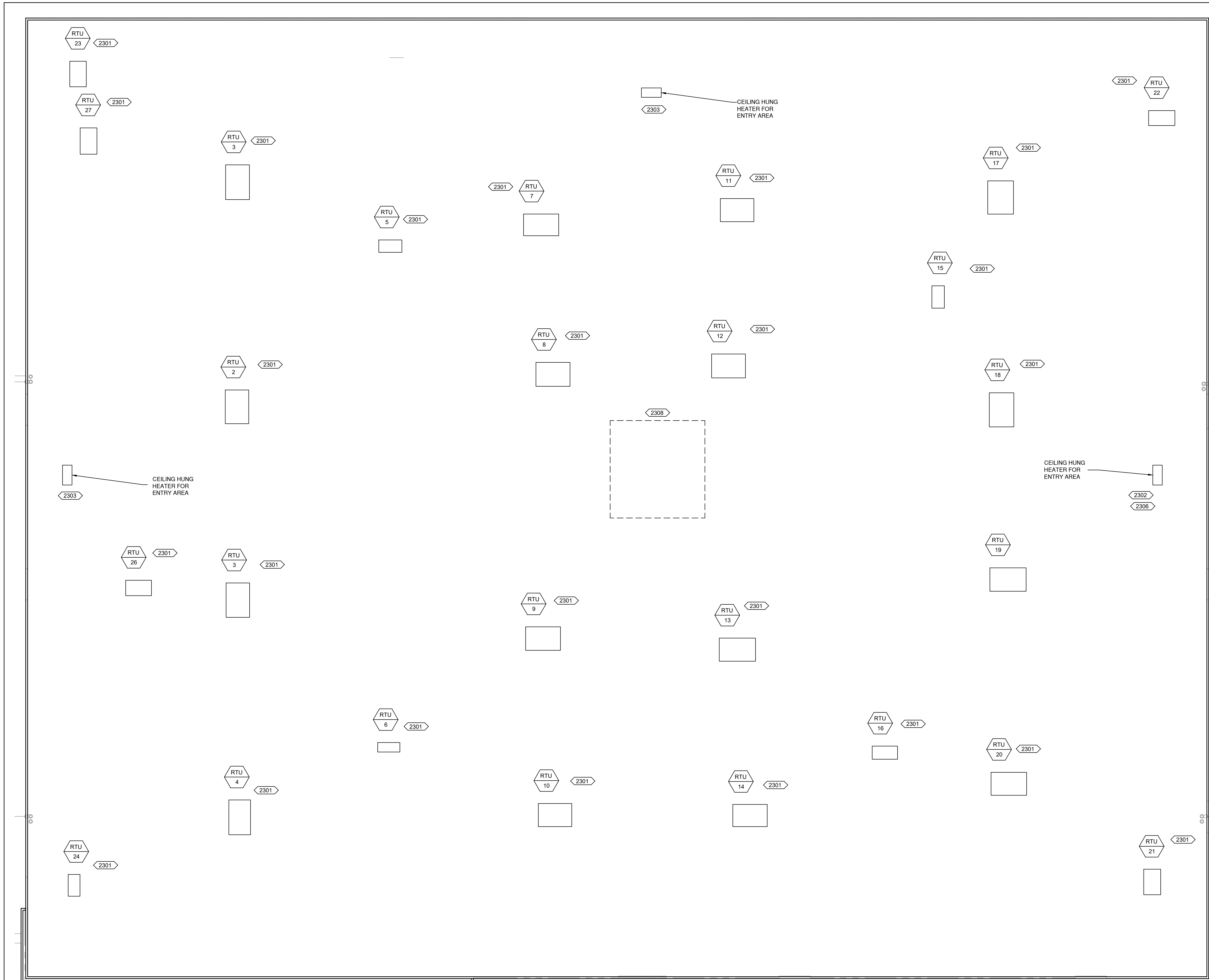
FURNITURE MALL OF MISSOURI
900 NW BLUE PARKWAY
LEE'S SUMMIT, MO

No.	Description	Date
1	REVIEW 1	2-11-2022
2	PERMIT PRICING	2-23-2022
3	PLAN REV. COMMENTS	3-23-2022

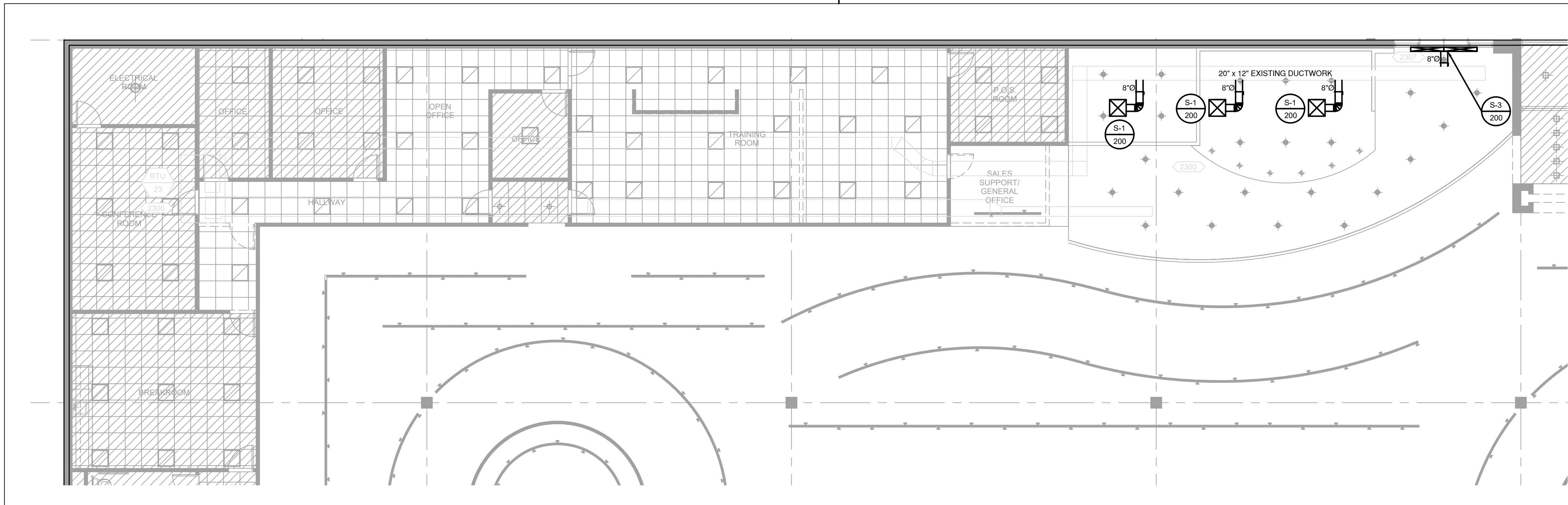
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Mechanical Schedules

Date	3-23-2022
Drawn by	SCH
Checked by	SCH
M1.0	
Scale	AS NOTED



1 MECHANICAL ROOF PLAN
SCALE: 1/16" = 1'-0"



2 CAFE AND OFFICE MECHANICAL
SCALE: 1/8" = 1'-0"

- GENERAL NOTES:**
1. ALL WORK SHALL CONFORM TO THE LATEST ADOPTED VERSION OF THE INTERNATIONAL MECHANICAL CODE (IMC).
 2. ALL DUCT CONSTRUCTION, GAUGES, METHODS OF HANGING AND SUPPORTING SHALL CONFORM TO THE LATEST SMACNA STANDARDS AND CHAPTERS 6 OF THE IMC.
 3. ALL EXHAUST, RETURN, AND SUPPLY DUCTS SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL TO SMACNA 2" PRESSURE CLASS. ALL JOINTS AND SEAMS SHALL BE SEALED AIRTIGHT.
 4. ALL ROUND EXHAUST AND SUPPLY DUCTS SHALL BE STANDARD GALVANIZED "SNAP-LOCK" PIPE WITH ALL CHANGES IN DIRECTION MADE VIA ADJUSTABLE ELBOWS. ALL JOINTS AND SEAMS SHALL BE SEALED AIRTIGHT.
 5. PROVIDE MANUAL DAMPERS WITH LOCKING QUADRANTS IN ALL LOCATIONS INDICATED OR REQUIRED TO BALANCE THE AIR SYSTEM.
 6. COORDINATE THE LOCATION OF DUCTWORK WITH THE PLACEMENT OF THE EXISTING LIGHT FIXTURES AND THE EXISTING STRUCTURAL MEMBERS.
 7. LINE ALL DUCTS WITH 1/2" INSULATION. (EXCLUDE EXHAUST AND DUCTS UNDER 10" IN DIAMETER OR 10" x 10" IN SIZE.) ALL DUCT DIMENSIONS GIVEN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS (W x D).
 8. THE CONTRACTOR SHALL VERIFY ALL STRUCTURAL CONDITIONS FOR THE CEILING SPACE AND EXACT DUCT ROUTE PRIOR TO FABRICATION. VERIFY IN THE FIELD EXACT ROUTING OF DUCTWORK TO ALLOW PROPER LOCATION OF LIGHTS AS SHOWN.
 9. ANY FRAMING REQUIRED FOR DIFFUSER INSTALLATION IN HARD CEILINGS SHALL BE BY THE GENERAL CONTRACTOR.
 10. ANY EQUIPMENT THAT IS SUBSTITUTED SHALL FIT IN THE SPACE PROVIDED, WITH ADEQUATE ROOM FOR SERVICING.
 11. HVAC UNITS SHALL BE MOUNTED LEVEL.
 12. SUPPLY SPECIFIED EQUIPMENT OR APPROVED EQUAL.
 13. CONTRACTOR SHALL REVIEW ALL EQUIPMENT NAME PLATES AND INSTALLATION REQUIREMENTS PRIOR TO DOING WORK. EQUIPMENT IS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 14. ALL NEW THERMOSTATS SHALL BE 7-DAY PROGRAMMABLE DEVICES.

INSTALLATION NOTES: (THIS SHEET ONLY)

- 2300** EXISTING DUCTWORK FOR RTU-23 SHALL BE RECONFIGURED FOR THE CAFE AND NEW ENTRY.
- 2301** UPDATE AND RESET BUILDING MANAGEMENT SYSTEM (BMS) FOR OPERATION BY NEW OWNERSHIP. BMS SHALL BE UPDATED WITH THE LATEST SOFTWARE AND ANY NECESSARY HARDWARE REPLACEMENT DUE TO THE NEW UPDATED SOFTWARE. SYSTEM SHALL BE FULLY OPERATIONAL FOR NEW OWNERSHIP. ALTERNATE: PROVIDE 7-DAY PROGRAMMABLE THERMOSTAT FOR EACH RTU REMOVED UNIT FROM THE BMS.
- 2302** REMOVE HEATER SERVING REMOVED ENTRY AREA. CONSULT ARCHITECTURAL DRAWINGS FOR NEW CONFIGURATION.
- 2303** PERFORM MAINTENANCE ON REMAINING CEILING MOUNTED HEATERS SERVING THE ENTRY VESTIBULES. THIS SHALL INCLUDE THE REPLACEMENT OF FILTERS AND CLEANING THE UNIT.
- 2304** PROVIDE HVAC SHUT-OFF DEVICE AT OVERHEAD DOORS IN RECEIVING THAT SHALL SHUT OFF THE HEATING COOLING AND HUMIDITY CONTROL FOR RTU-25 WHEN A DOOR IS OPEN.
- 2305** EXISTING PERMANENT ROOF ACCESS AND HATCH TO REMAIN. ROOF HATCH IS LOCATED IN LOADING DOCK AREA.
- 2306** REMOVE EXHAUST FAN ASSOCIATED WITH REMOVED ENTRY VESTIBULE. REMOVED SINGLE USER RESTROOM, AND COSMETIC COUNTER AREA. PERFORM MAINTENANCE ON ALL OTHER EXHAUST FANS SERVING ELECTRICAL ROOMS AND RESTROOMS. FIELD VERIFY LOCATIONS.
- 2307** INSTALL SLOT DIFFUSER AT NEW ENTRY WITH NO VESTIBULE.
- 2308** ABANDON AND LEAVE-IN-PLACE 5-TON RTU#s SERVING DRESSING ROOM AREAS. REMOVED ASSOCIATED DUCTWORK.



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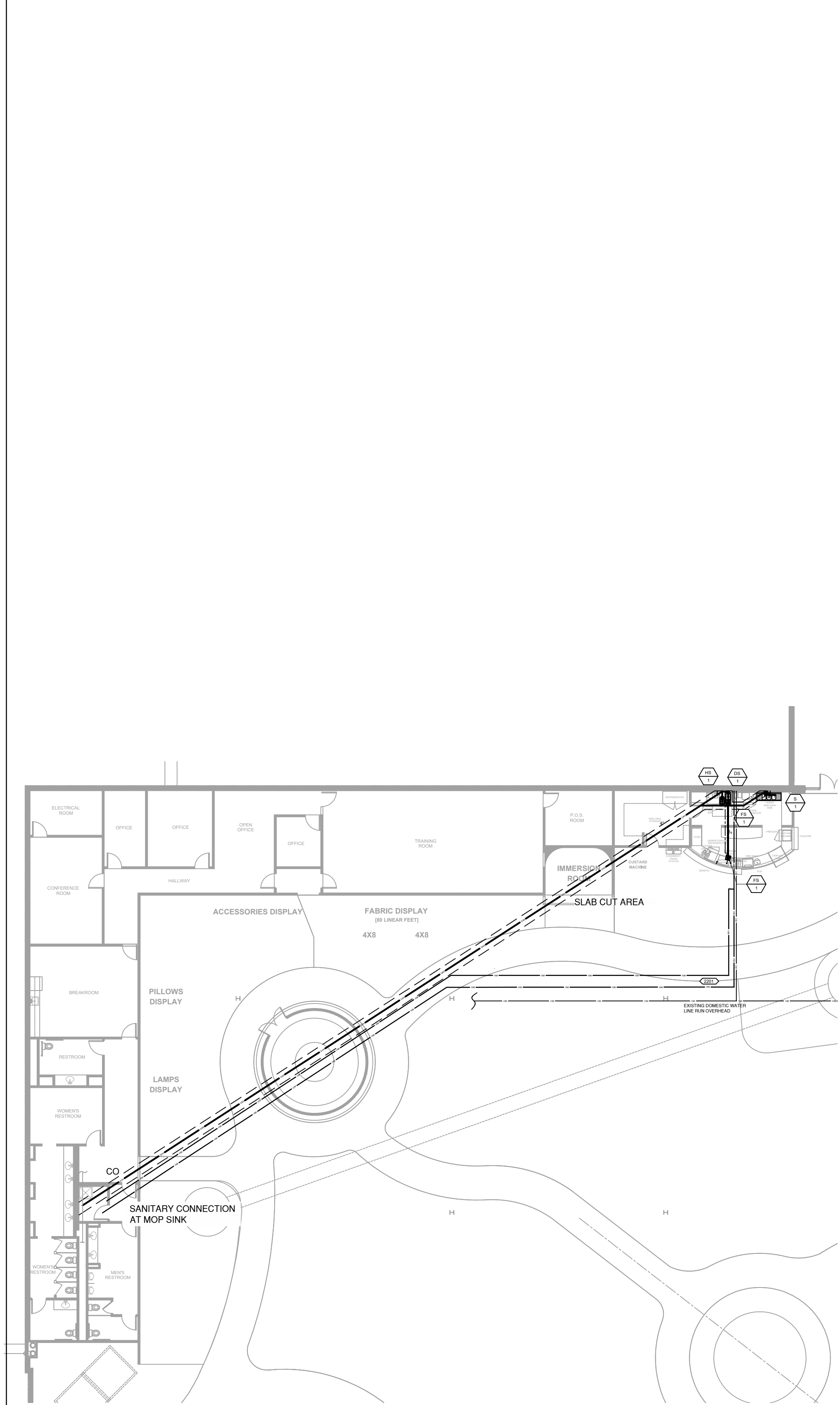
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M1.0 Mechanical Notes, Schedules
M2.0 Mechanical Plan, Cafe
Mechanical Plan
- Plumbing Series**
P1.0 Plumbing Plan, Sanitary Riser,
Plumbing Fixture Schedule,
Supply Riser
- Electrical Series**
E1.0 Power Plan, Electrical Riser
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Schedule, LPD
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E4.0 Existing Electrical Riser
- Fire Series**
F1.0 Fire Sprinkler Scope of Work

Mechanical Plan
Detailed Mechanical Plans

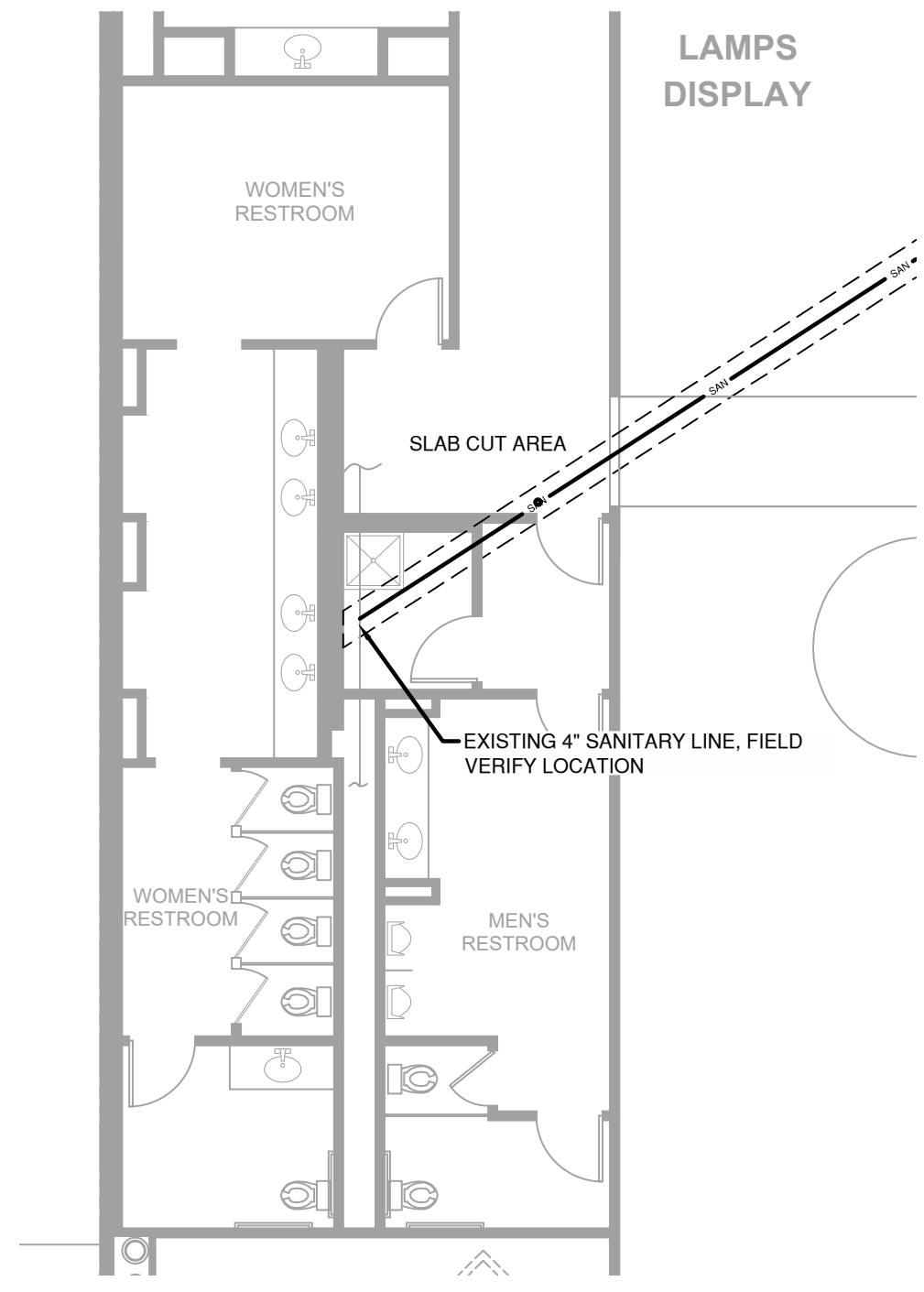
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Checked by	SCH

M2.0

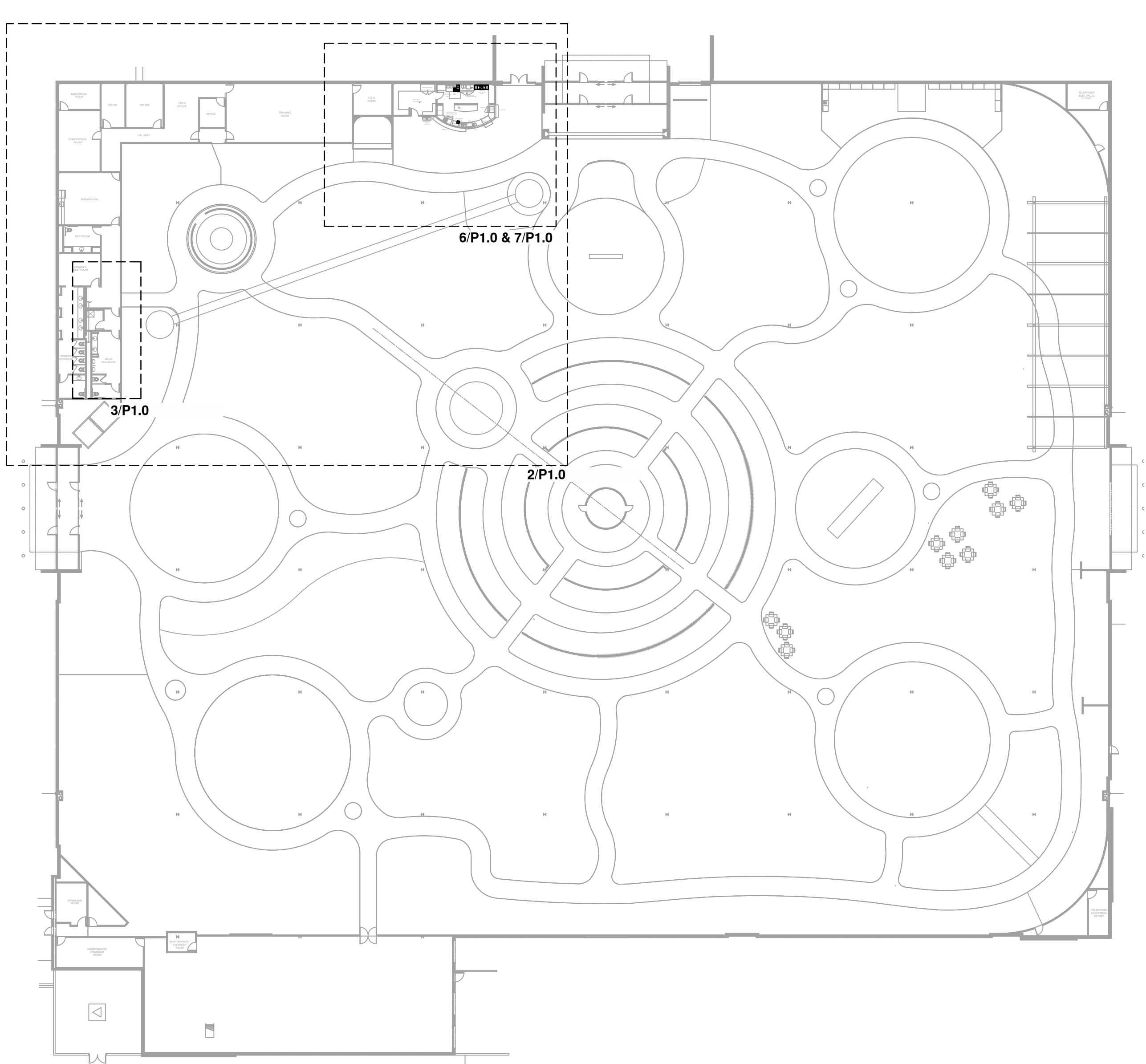
Scale AS NOTED



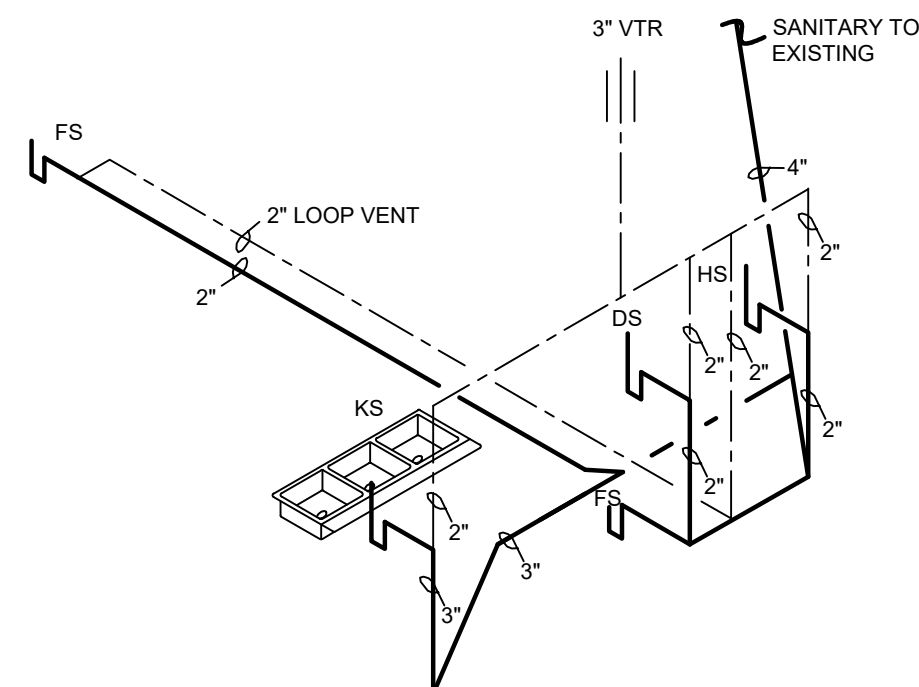
2 OVERALL PLUMBING
SCALE: 1/16" = 1'-0"



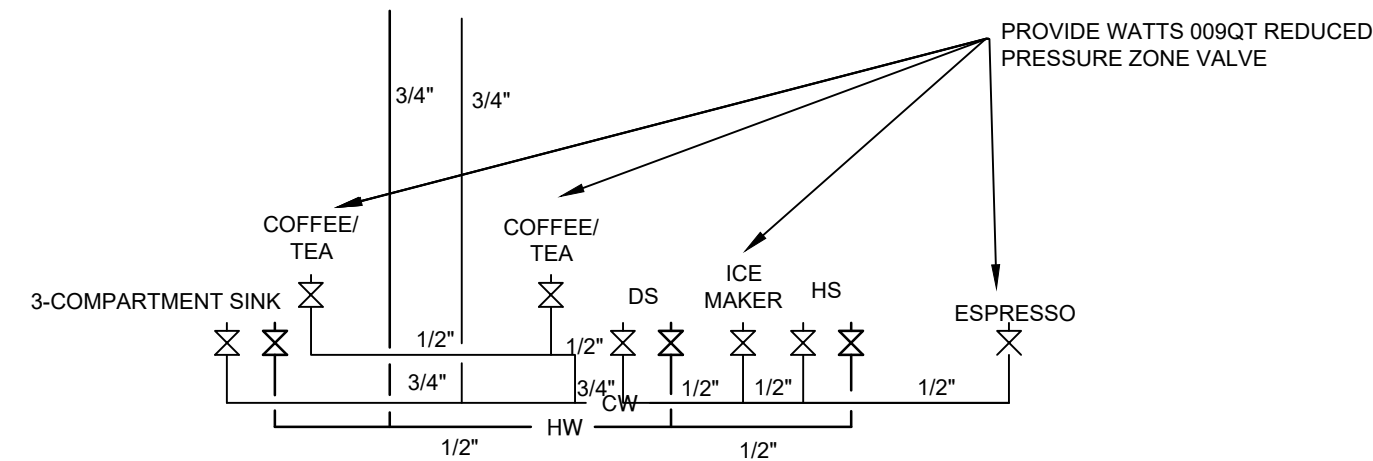
3 SANITARY CONNECTION
SCALE: 1/16" = 1'-0"



1 KEY PLAN
SCALE: NONE



4 CAFE SANITARY/VENT ISOMETRIC
SCALE: 1/8" = 1'-0"



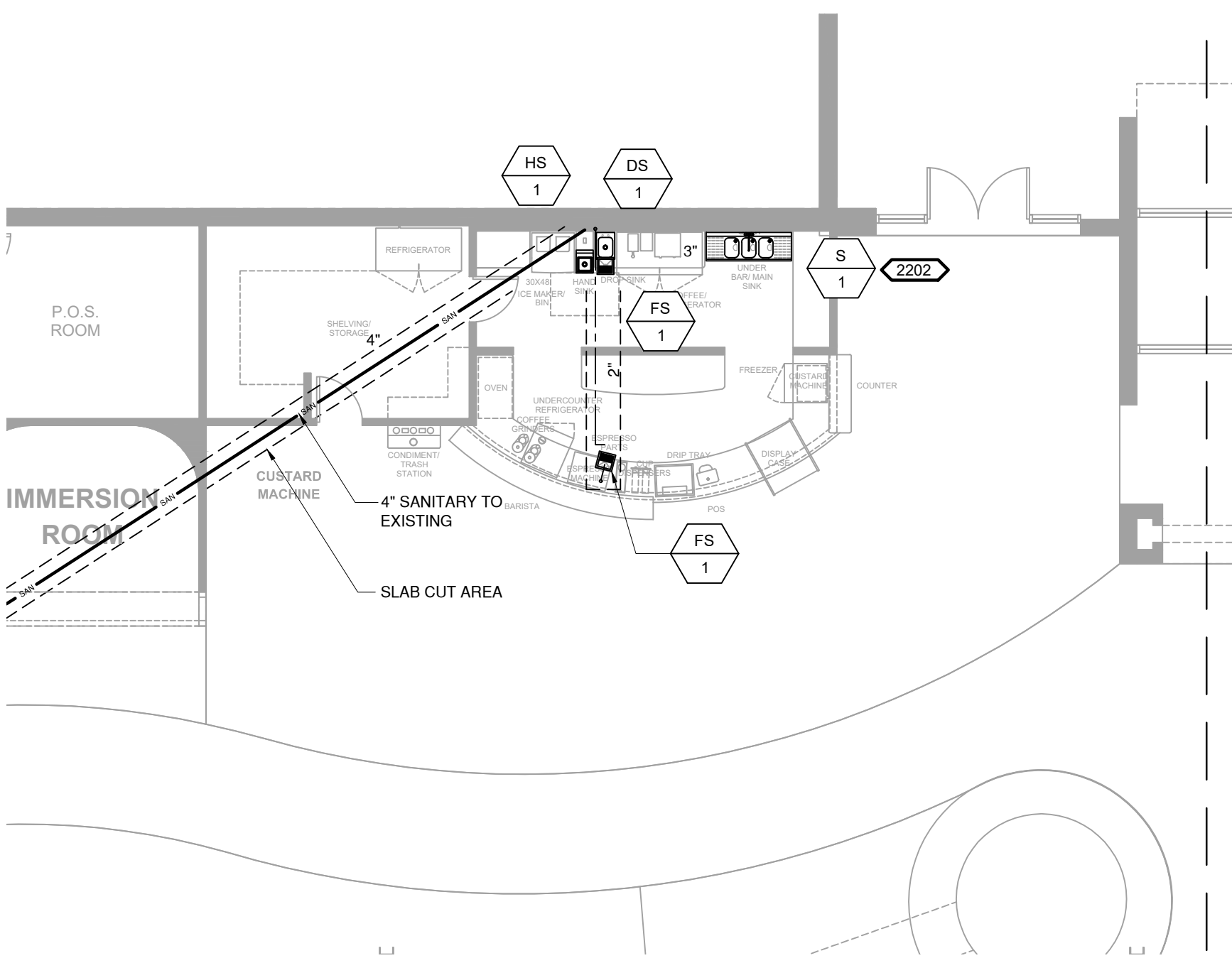
5 CAFE SUPPLY PLUMBING RISER
SCALE: 1/8" = 1'-0"

PROJECT PLUMBING FIXTURE SCHEDULE								
ITEM	FIXTURE	SOIL OR WASTE	VENT	COLD WATER	HOT WATER	WASTE FU	WATER FU	DESCRIPTION
S 1	3-COMPARTMENT SINK	2"	2"	1/2"	1/2"	3	3	ADVANCE TABCO ADV-93-3-54-24R THREE COMPARTMENT SINK WITH RIGHT HAND DRAIN BOARD. EACH COMPARTMENT SHALL HAVE A 16" X 20" BOWL SIZE. CONSTRUCTION SHALL BE WELDED 300 SERIES STAINLESS STEEL WITH ADJUSTABLE BULLET FEET FOR LEVELING. WITH FISHER COMMERCIAL GRADE FAUCET MODEL # FIS-3251, WALL-MOUNT, 8" CENTERS, 8" SWING SPOUT.
DS 1	DROP SINK	2"	2"	1/2"	1/2"	1	1	ADVANCE TABCO 7-PS-60, HAND SINK
S 1	HAND SINK	2"	2"	1/2"	1/2"	1	1	ELKAY DAYTON BAR MODEL D11515 15" X 15" SELF RIMMING STAINLESS STEEL SINK WITH 4" CENTER TO CENTER FAUCET HOLES. FAUCET DELTA 2-HOLE 4" O.C. MODEL 2523HDF CHROME DOUBLE HANDLE TYPE.
FCO 1	FLOOR CLEANOUT	--	--	--	--	--	--	WADE IFCO2-R, CAST IRON W/ ADJUSTABLE HOUSING, ROUND HEAVY CAST IRON VANDAL PROOF TOP. (ALTERNATE JOSAM NO. 56054-15)
FS 1	FLOOR SINK	2"	2"	--	--	3	--	ZURN LIGHT COMMERCIAL 12" X 12" FLOOR SINK WITH 6" SUMP DEPTH. MODEL #FD2375-NH2-F, CAST IRON BODY WITH A WHITE ACID-RESISTING COATING.

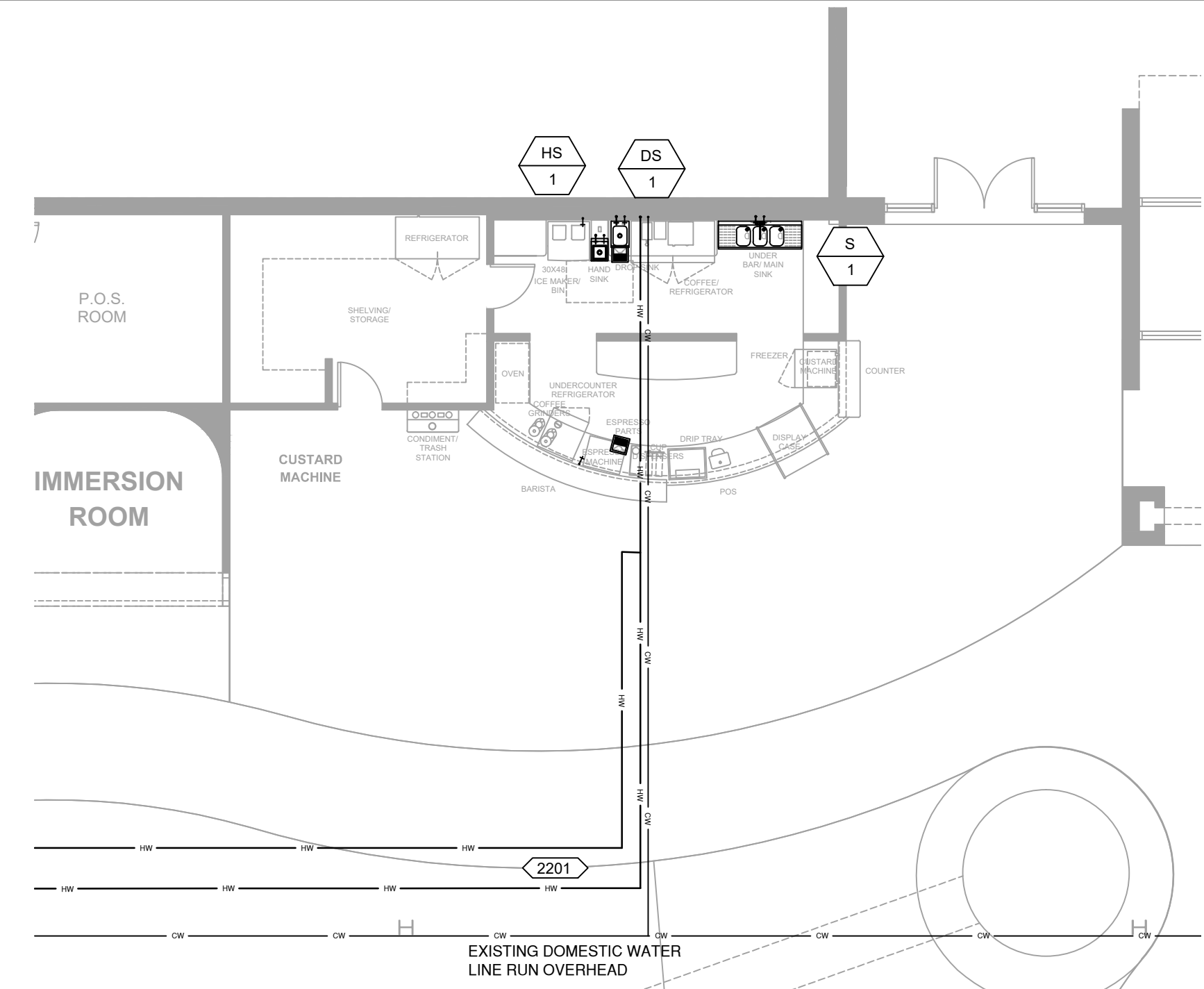
PLUMBING CONTRACTOR SHALL SUBMIT PLUMBING FIXTURE INFORMATION PRIOR TO CONSTRUCTION AND ONCE APPROVED INFORMATION SHALL BE DISTRIBUTED TO ALL SUBCONTRACTORS.

INSTALLATION NOTES: (THIS SHEET ONLY)

- 2200 PROVIDE LOOP VENT FOR ISLAND FLOOR SINK.
- 2201 PROVIDE DOMESTIC HOT WATER RE-CIRCULATION LOOP TO THE CAFE AREA WITH 3/8" LINE AND RE-CIRCULATION PUMP WITH TIMER. TAP IN TO HOT WATER AT THE EXISTING MOP SINK AREA.
- 2202 PROVIDE INDIRECT DRAIN (AIR GAP) AT DRAIN FROM THREE-COMPARTMENT SINK TO FLOOR SINK.



6 CAFE SANITARY/VENT PLUMBING
SCALE: 1/8" = 1'-0"



7 CAFE SUPPLY PLUMBING
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL NEW WORK SHALL CONFORM TO THE LATEST ADOPTED VERSION OF THE INTERNATIONAL PLUMBING CODE.
2. TYPE L HARD COPPER WITH 95/90 SOLDERED FITTINGS SHALL BE USED FOR ALL DOMESTIC WATER PIPING. PEX DOMESTIC WATER PIPING MAY BE USED WHERE ALLOWED BY CODE AND WHERE CONTRACTOR PROVIDES EVIDENCE OF TRAINING ON PEX PIPING INSTALLATION.
3. STANDARD WEIGHT CENTRIFUGALLY CAST, CAST IRON DWV PIPE WITH "NO-HUB" FITTINGS AND JOINTS SHALL BE USED FOR SOIL, WASTE, AND VENT PIPING. STANDARD WEIGHT CENTRIFUGALLY CAST, CAST IRON DWV PIPE WITH "TY-SEAL" FITTINGS AND JOINTS SHALL BE USED FOR SOIL, WASTE, AND VENT PIPING BELOW GRADE. PVC DWV MAY BE USED WHERE ALLOWED BY CODE.
4. PIPE HANGERS SHALL BE DESIGNED FOR FERROUS, PLASTIC, AND COPPER PIPE WITH HANGER RODS IN DIAMETERS AS REQUIRED BY HANGERS. HANGER SPACING SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE.
5. DOMESTIC HOT AND COLD WATER LINES SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS PREFORMED INSULATION WITH SELF-SEALING JOINTS. THE COLD WATER PIPING SYSTEM SHALL BE PROVIDED WITH A VAPOR BARRIER. PEX PIPING MAY BE INSTALLED WITHOUT INSULATION.
6. EXPOSED HANDICAPPED LAVATORY P-TRAPS AND SUPPLY FITTINGS SHALL BE INSULATED WITH PREFORMED FLEXIBLE CELLULAR INSULATION.
7. ALL PIPING SYSTEMS SHALL BE TESTED BEFORE COVERING AND CONCEALING IN THE PRESENCE OF THE OWNER OR THE OWNER'S REPRESENTATIVE. ALL LEAKS SHALL BE REPAIRED IN A SATISFACTORY MANNER.
8. TEST DOMESTIC WATER PIPING AT 100 PSI.
9. SOIL AND WASTE PIPE SHALL SLOPE 2% MINIMUM, UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
10. CONTRACTOR SHALL VERIFY THE LOCATION OF THE SANITARY SEWER AND SHALL REVISE THE SEWER SYSTEM AS REQUIRED.
11. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL CLEANOUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC. AND THE OWNER'S REPRESENTATIVE PRIOR TO ANY INSTALLATION.
12. INSTALL SHUT-OFF VALVES ON ALL HOT & COLD WATER LINES TO FIXTURE OR APPLIANCE. ALL EXPOSED WATER AND WASTE LINES TO BE CHROMED PLATED.
13. ALL VALVES, UNIONS, ETC. TO BE THE SAME SIZE AS THE 3-23-2022 S OTHERWISE INDICATED ON DRAWINGS.
14. PROVIDE WATER HAMMER ARRESTOR FOR WATER LINES AS REQUIRED BY CODE FOR APPLIANCES WITH QUICK CLOSING VALVES. THIS SHALL INCLUDE ALL FLUSH VALVE PLUMBING EQUIPMENT.
15. CONTRACTOR SHALL COORDINATE INSTALLATION OF PLUMBING WORK WITH ALL OTHER TRADES SO AS TO AVOID UNNECESSARY DELAY OF INTERFERENCES. CONTRACTOR TO REVIEW ARCHITECTURAL AND EQUIPMENT SHEETS.
16. SCHEDULE 40 STEEL PIPE WITH EITHER WELDED OR MALLEABLE SCREWED FITTINGS SHALL BE USED FOR ABOVE GRADE GAS PIPING. NO FLEXIBLE GAS PIPING WILL BE ALLOWED.

PLUMBING LEGEND

- HW DOMESTIC HOT WATER
- CW DOMESTIC COLD WATER
- SAN WASTE LINE
- VENT LINE
- PLUMBING FIXTURE DESIGNATION DESIGNATED NUMBER

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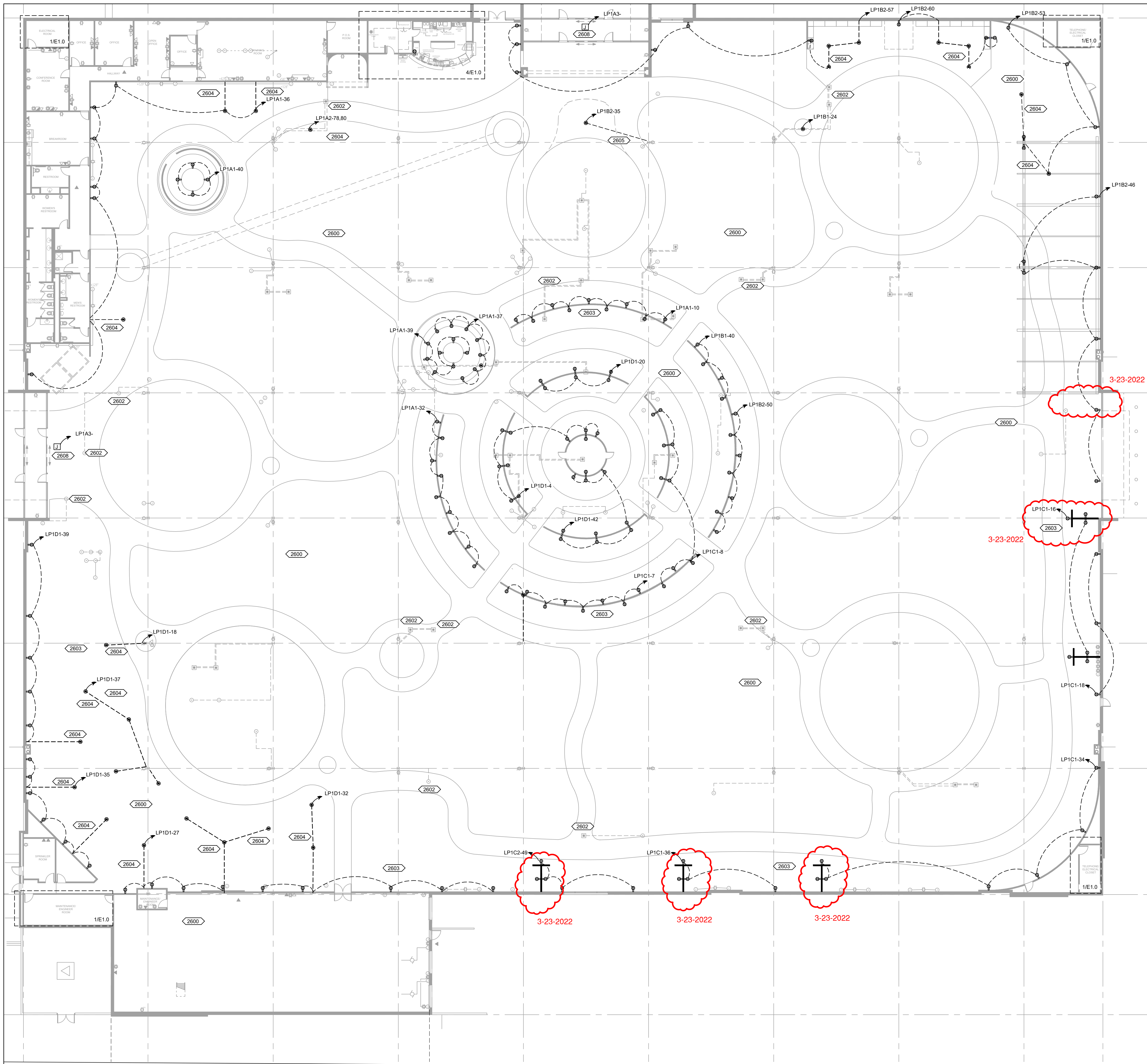
Plumbing Plan
Sanitary Riser
Plumbing Schedule

Date	3-23-2022
Drawn by	---
Checked by	SCH

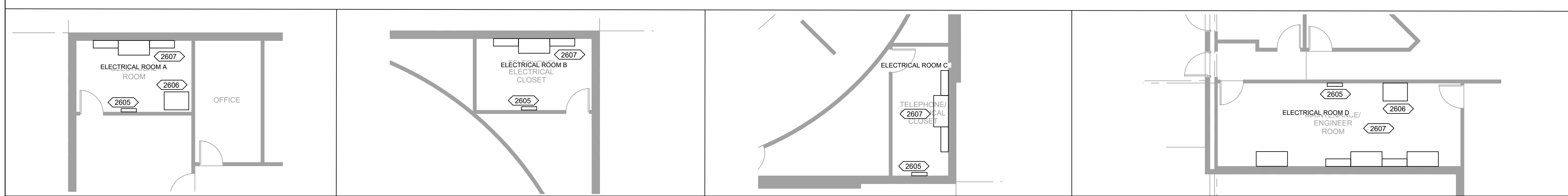
P1.0

Scale AS NOTED

8 PLUMBING FIXTURE SCHEDULE & NOTES
SCALE: NONE



2 POWER PLAN
SCALE: 1/16" = 1'-0"



1 POWER PLAN FOR ELECTRICAL ROOMS
SCALE: 1/8" = 1'-0"

GENERAL NOTES:

1. ALL WORK SHALL CONFORM TO THE LATEST ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE (NEC).
2. ALL WIRING SHALL BE IN CONDUIT. METAL-CLAD CABLE MAY BE USED IF ALLOWED BY LOCAL JURISDICTION AND APPROVED BY OWNER.
3. CONDUIT SHALL BE EMT WITH COMPRESSION TYPE OR SCREW FITTINGS.
4. ALL FLEXIBLE METALLIC AND PVC CONDUIT WHERE ALLOWED BY LOCAL CODE IS TO BE PROVIDED WITH SEPARATE GROUND WIRE.
5. ALL POWER WIRES AND CABLES SHALL BE COPPER #12 AWG, UNLESS NOTED OTHERWISE OR REQUIRED BY THE MANUFACTURER OF THE CONNECTED DEVICE. WIRE SHALL BE CODE TYPE THWN/THHN, UNLESS OTHERWISE STATED. POWER WIRE SIZE SHALL BE UP SIZED FOR LONG CIRCUIT RUNS TO ELIMINATE VOLTAGE DROP. #12 AWG USED TO SUPPLY CIRCUITS UP TO 114' FROM PANEL, #10 AWG USED TO SUPPLY CIRCUITS WITH RUNS UP TO 181' FROM PANEL, #8 AWG USED TO SUPPLY CIRCUITS WITH RUNS UP TO 288' FROM PANEL, #6 AWG USED TO SUPPLY CIRCUITS WITH RUNS UP TO 458' FROM PANEL.
6. ALL CIRCUITS SHALL HAVE SEPARATE NEUTRALS, THROUGHOUT THE ENTIRE CIRCUIT.
7. ALL SWITCHES SHALL BE RATED AT 20 AMPS UNLESS OTHERWISE STATED.
8. ALL OUTLETS SHALL BE RATED 15 AMPS. GROUND-FAULT CIRCUIT INTERRUPTER TYPE OUTLETS SHALL BE INSTALLED IN THOSE LOCATIONS AS REQUIRED BY THE NEC OR AS DESIGNATED ON THE DRAWINGS.
9. PROVIDE ALL OUTLET, LIGHTING FIXTURES, AND J-BOXES THROUGHOUT THE AREA IN ACCESSIBLE LOCATIONS. BOXES SHALL BE OF GALVANIZED KNOCK OUT TYPE WITH SCREW COVERS.
10. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ALL CONDUITS, J-BOXES, WIRING, AND DISCONNECT SWITCHES. NEW THERMOSTAT J-BOXES FOR EACH HVAC UNIT SHALL BE INSTALLED IF THE CURRENT BMS IS REMOVED.
11. SUPPLY SPECIFIED EQUIPMENT OR APPROVED EQUAL.
12. CONTRACTOR SHALL VERIFY ALL EQUIPMENT NAME PLATES AND INSTALLATION REQUIREMENTS PRIOR TO DOING WORK. EQUIPMENT IS TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS. NOTE CAFE EQUIPMENT.
13. CLASSROOMS, MULTIPURPOSE ROOMS, OPEN OFFICE AREAS, ENCLOSED OFFICES, BREAKROOMS, RESTROOMS, STORAGE ROOMS, AND WAREHOUSE AREAS SHALL BE PROVIDED WITH OCCUPANT SENSOR CONTROLS PER IECC C405.2.1.
14. PROVIDE LIGHTING REDUCTION CONTROLS WITH MANUAL CONTROL THAT ALLOWS THE OCCUPANT TO REDUCE THE CONNECTED LIGHTING LOAD IN A UNIFORM PATTERN BY NOT LESS THAN 50% BY AN APPROVED METHOD PER IECC CH25.2.2. EXCEPTIONS INCLUDE EMERGENCY AREAS, SECURITY AREAS, STAIRWAYS, EXIT PASSAGES, AND EMERGENCY EGRESS LIGHTING THAT IS NORMALLY OFF.

INSTALLATION NOTES: (THIS SHEET ONLY)

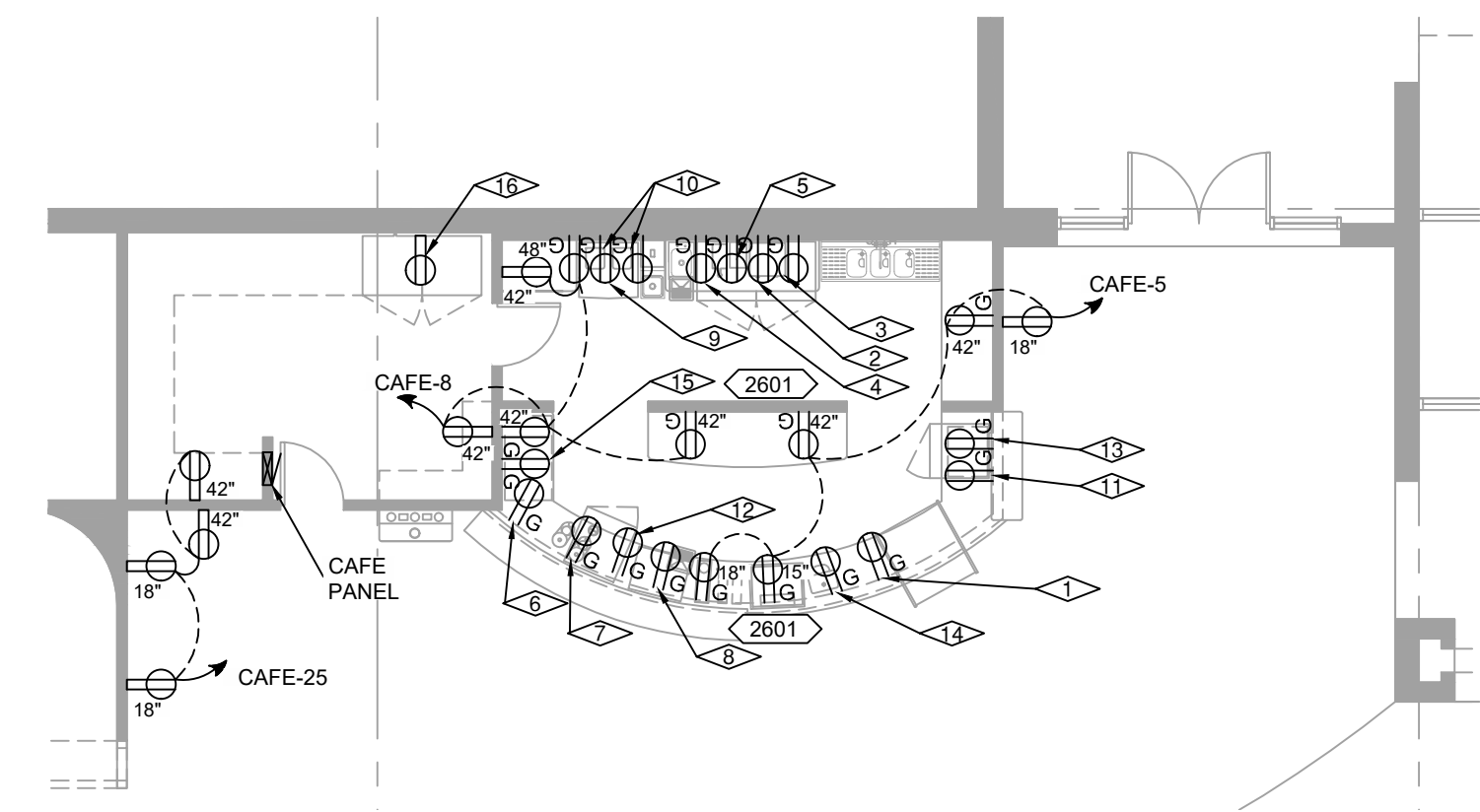
- 2600 SEE ARCHITECTURAL OR STORE DESIGN DRAWINGS FOR MOST CURRENT ELECTRICAL LAYOUT PRIOR TO BEGINNING CONSTRUCTION.
- 2601 ALL RECEPTACLES IN THE NEW FOOD SERVICE AREA SHALL BE GFCI TYPE OR CONNECTED TO A GFCI BREAKER IN THE NEW ELECTRICAL DISTRIBUTION PANEL. THE INSTALLATION OF GFCI RECEPTACLES OR BREAKERS SHALL BE IN COMPLIANCE WITH NEC ARTICLE 210.8(B).
- 2602 EXISTING FLOOR RECEPTACLES TO BE REMOVED FOR NEW FLOORING. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 2603 GENERAL 20 AMP RECEPTACLE CIRCUITS SHALL BE LIMITED TO NO MORE THAN 10 DUPLEX RECEPTACLES.
- 2604 CUT OUT AREA TO RUN WIRES IN SLAB FOR DISPLAY WALLS.
- 2605 LEVITON TLP G3251-130 PANELS WITH 15 AMP BREAKERS THAT SERVE THE TRACK LIGHTING AND MOVABLE WALL RECEPTACLES.
- 2606 EXISTING STEP-DOWN ELECTRICAL TRANSFORMER MOVED FROM ELECTRICAL ROOM D TO FEED NEW CAFE PANEL.
- 2607 EXISTING ELECTRICAL PANELS. SEE PANEL SCHEDULES ON SHEET E3.0 AND EXISTING ELECTRICAL RISER ON SHEET E4.0 FOR REFERENCE.
- 2608 PROVIDE JUNCTION BOX AND POWER FOR NEW AUTOMATIC SLIDING ENTRY DOORS.

ELECTRICAL EQUIPMENT SCHEDULE:

ITEM NO.	RECEPT. HEIGHT	DESCRIPTION	SERVICE TO EQUIPMENT		REMARKS
			PANEL & CIRCUIT NUMBER	LOAD (VOLT / AMP)	
1	15"	REFRIGERATED DISPLAY CASE	CAFE-1	120 V / 24 A	CONSULT EQUIPMENT NAMEPLATE
2	45"	WATER TOWER	CAFE-16	120 V / 12.5 A	CONSULT EQUIPMENT NAMEPLATE
3	45"	COFFEE BREWER	CAFE-10,12	220 V / 25.8 A	CONSULT EQUIPMENT NAMEPLATE
4	45"	COFFEE GRINDER	CAFE-14	120 V / 15 A	CONSULT EQUIPMENT NAMEPLATE
5	18"	UC REFRIGERATOR	CAFE-11	115 V / 8.5 A	CONSULT EQUIPMENT NAMEPLATE
6	18"	ESPRESSO GRINDER	CAFE-15,17	220 V / 15 A	CONSULT EQUIPMENT NAMEPLATE
7	18"	ESPRESSO GRINDER	CAFE-13	120 V / 15 A	CONSULT EQUIPMENT NAMEPLATE
8	18"	ESPRESSO MACHINE	CAFE-7,9	220 V / 30 A	CONSULT EQUIPMENT NAMEPLATE
9	18"	ICE MAKER	CAFE-24	115 V / 10.7 A	CONSULT EQUIPMENT NAMEPLATE
10	48"	BLENDER (2)	CAFE-20 & CAFE-22	115 V / 13 A	CONSULT EQUIPMENT NAMEPLATE
11	18"	UC FREEZER	CAFE-12	115 V / 15 A	CONSULT EQUIPMENT NAMEPLATE
12	18"	UC REFRIGERATOR	CAFE-11	120 V / 15 A	CONSULT EQUIPMENT NAMEPLATE
13	42"	CUSTARD MACHINE	CAFE-4,6	230 V / 60 A	CONSULT EQUIPMENT NAMEPLATE
14	15"	POS	CAFE-3	120 V / 5 A	PROVIDE ISOLATED GROUND
15	18"	OVEN (11 kW)	CAFE-19,21	208 V / 70 A	CONSULT EQUIPMENT NAMEPLATE
16	18"	REACH-IN REFRIGERATOR	CAFE-23	120 V / 12 A	CONSULT EQUIPMENT NAMEPLATE

VERIFY EQUIPMENT WITH OWNER OR OWNER REPRESENTATIVE. SEE ARCHITECT AND DESIGNER DRAWING FOR ADDITIONAL INSTALLATION INFORMATION AND COORDINATION WITH CABINETRY. CONSULT EQUIPMENT MANUFACTURE FOR POWER CONNECTION INFORMATION.

3 ELECTRICAL EQUIPMENT SCHEDULE
SCALE: NONE



4 POWER PLAN FOR CAFE
SCALE: 1/8" = 1'-0"

POWER LEGEND:

- NEW STANDARD DUPLEX RECEPTACLE MOUNTED AT 18" TO CENTER ABOVE FINISHED FLOOR (A.F.F.)
- EXISTING STANDARD DUPLEX RECEPTACLE
- GROUND FAULT INTERRUPTER TYPE RECEPTACLE, LEVITON RGF 15-WG OR EQUIVALENT - FOR USE IN BATHROOMS, RESTROOMS, KITCHEN, AND OTHER AREAS WHERE WATER IS PRESENT.
- WEATHER RESISTANT GROUND FAULT INTERRUPTER TYPE RECEPTACLE WITH WEATHERPROOF BOX, LEVITON LUMV-ARG OR EQUIVALENT - FOR USE OUTDOORS.
- STANDARD DUPLEX RECEPTACLE MOUNTED ON CEILING - FOR USE IN STOREFRONT WINDOWS OR CEILING MOUNTED EQUIPMENT
- NEW STANDARD DUPLEX RECEPTACLE MOUNTED IN FLOOR IN CONCRETE FLOOR BOX
- EXISTING STANDARD DUPLEX RECEPTACLE MOUNTED IN FLOOR IN CONCRETE FLOOR BOX
- POWER DROP WITH A MAXIMUM OF THREE RECEPTACLES UNLESS NOTED OTHERWISE.
- NEW ELECTRICAL PANEL
- EXISTING DATA OUTLET



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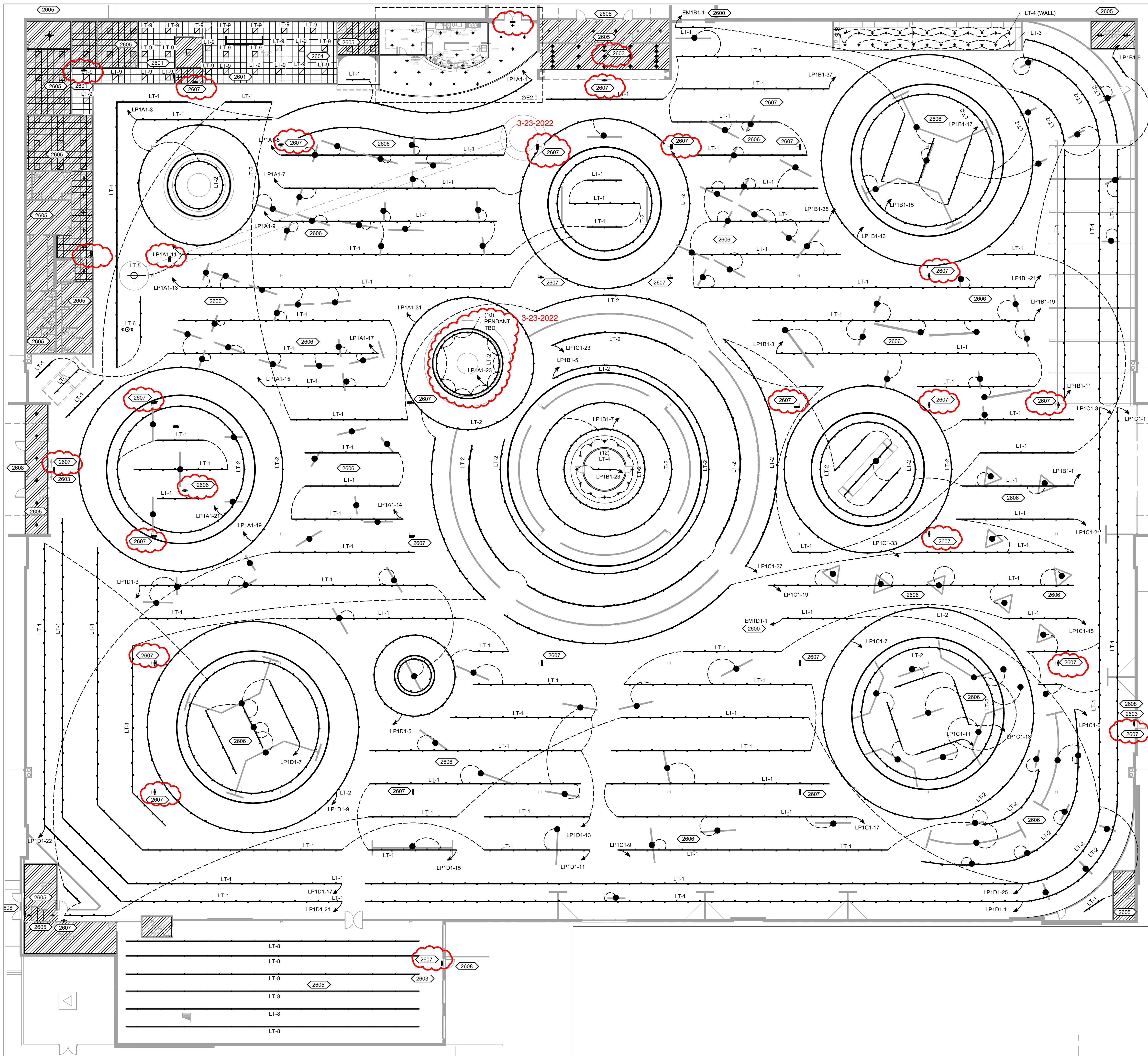
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F1.0	Fire Sprinkler Scope of Work

Power Plan, Riser, CAFE Power Plan
Cafe Equipment Schedule

Date	3-23-2022
Drawn by	SAE
Checked by	SCH

E1.0
Scale AS NOTED



TRACK LIGHT INSTALLATION NOTES:

HANGING METHOD FOR TRACK LIGHTING IS TO BE TESTED ON A 90° SECTION AND APPROVED BY OWNER OR OWNER REPRESENTATIVE PRIOR TO FULL INSTALLATION BEING COMPLETED. METHODS FOR TESTING CAN BE:

1. ALL-THREAD ROD METHOD
2. CABLE METHOD
3. ANOTHER METHOD PROPOSED BY ELECTRICIAN

CABLE METHOD:

1. CHALK LINE ON THE FLOOR WHERE TRACK GOES
2. MARK SPOTS ON FLOOR ALONG CHALK LINE FOR CABLE LOCATION TO ALIGN WITH HOLES IN TRACK.
3. USE LASER TO SPOT MARK ON DECK FOR SAMMY
4. USING PRE-ASSEMBLED AIRCRAFT CABLE WITH STABILIZER BAR, SCREW CABLE INTO THE DECK. GET ENTIRE RUN HUNG IN ROUGH HEIGHT LOCATION.
5. USING SMALL MAGNETIC DISTANCE LASER-ATTACH LASER TO TRACK TO MEASURE HEIGHT OFF OF THE FLOOR AND ADJUST HEIGHT ACCORDINGLY.

*WHERE 12" TRACKS ARE USED, ATTACH CABLE EVERY 6".

POWER SUPPLIED BY TRACK LIGHTS:

ENGINEER MUST BE CONSULTED FOR CHANGES TO INTERIOR WALLS AND RECEPTACLES WHERE RECEPTACLES ARE POWERED BY DROPS FROM TRACK LIGHTING.

EMERGENCY EXIT LIGHTING LEGEND:

- EXISTING ILLUMINATED EXIT SIGN
- NEW ILLUMINATED EXIT SIGN. SEE FIXTURE Y IN LIGHTING SCHEDULE.

INSTALLATION NOTES: (THIS SHEET ONLY)

- 2600 CIRCUIT TRACK RUN TO EMERGENCY POWER LIGHT CIRCUIT. (PANELS EM1B1 AND EM1D1)
- 2601 NEW 277V LIGHTING INSTALLED TO MATCH EXISTING 2X2 TROFFER, PANEL HP-1A1.
- 2603 REUSE EXISTING EXIT SIGNS OR REPLACE WITH LINE UNITS.
- 2604 SEE E3.0-2 FOR TRACK LIGHT CONTROLS.
- 2605 EXISTING 277V LIGHTING TO REMAIN IN THIS ROOM.
- 2606 NEW MOVABLE DISPLAY WALL RECEPTACLES SHALL BE POWERED BY OVERHEAD POWER DROPS FROM THE TRACK LIGHTING SYSTEM. CONSULT OWNER OR OWNER REPRESENTATIVE FOR FINAL CIRCUIT ROUTING TO POWER TO MOVABLE DISPLAY WALLS.
- 2607 EXISTING EXIT SIGNS TO BE REUSED OR REPLACED WITH COLUMNED OR WALL MOUNTED FIXTURES FOR PROPER EGRESS DIRECTIONS THROUGH THE PATHWAYS IN THE STORE.
- 2608 CONTRACTOR SHALL VERIFY THAT THE EMERGENCY GENERATOR POWER PANELS (EM1B1, EM1B2, AND EM1D1) SHALL POWER EGRESS LIGHTING ON THE EXTERIOR SIDE OF THE EXIT LANDINGS. IF NOT MOVE THE LIGHTING TO A NEARBY CIRCUIT FROM THESE PANELS FOR THE EMERGENCY POWER GENERATOR.

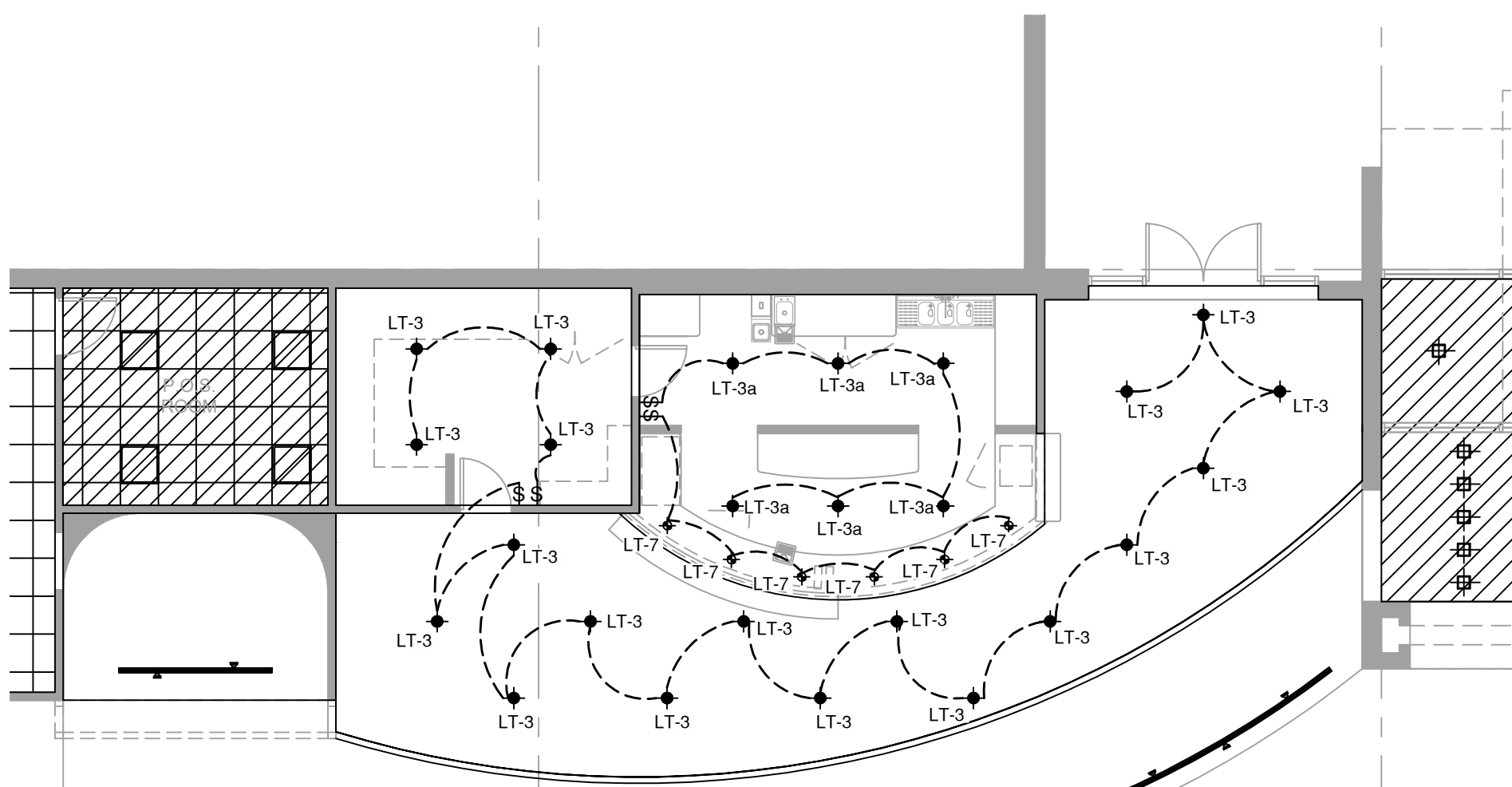
LIGHTING LEGEND:

- STANDARD AC TOGGLE SWITCH MOUNTED AT 48" TO CENTER ABOVE FINISHED FLOOR (A.F.F.), LEVITON SKU 01221-380-002 OR EQUIVALENT.
- 3-WAY AC TOGGLE SWITCH MOUNTED AT 48" TO CENTER ABOVE FINISHED FLOOR (A.F.F.), LEVITON SKU 01223-380-002 OR EQUIVALENT.
- 3-WAY OCCUPANCY SENSOR SWITCH MOUNTED AT 48" TO CENTER ABOVE FINISHED FLOOR (A.F.F.), LEVITON IPS15-LZ OR EQUIVALENT.
- 3-WAY CAPABLE OCCUPANCY DIMMER COMBINATION MOUNTED AT 48" TO CENTER ABOVE FINISHED FLOOR (A.F.F.), LUTRON MSL-OP153M OR EQUIVALENT.
- POWER DROP TO MOVABLE WALLS FROM RECEPTACLE ADAPTER ON LIGHTING TRACK.

INTERIOR LIGHTING POWER DENSITY						
AREA DESCRIPTION	FIXTURE TYPE	FIXTURE LOAD (W)	QUANTITY OF FIXTURES	ACTUAL LOAD (W)	ALLOWED DENSITY (W / S.F.)	ALLOWED LOAD (W)
SALES FLOOR	LT-1	16	2536	40576	0.95	85850
	LT-2	16	672	10752		
	LT-3	50	4	200		
	LT-4	50	1	50		
OFFICE STORAGE	LT-7	19	8	152	1.0	1600
CAFÉ	LT-5	28	15	420	0.7	1375
OFFICES	LT-6	6	7	42	1.0	500
ELECTRICAL ROOM	EXISTING			0	1.0	275
RESTROOMS/BREAKROOM	EXISTING	19	53	1007	0.7	1825
WAREHOUSE	EXISTING			0	1.0	4425
Total				53199		90259

3 LIGHTING POWER DENSITY, NOTES

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



1 LIGHTING PLAN AND WALL DROPS

SCALE: 1/16" = 1'-0"

2 CAFÉ LIGHTING PLAN

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

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FOR REVIEW ONLY

FURNITURE MALL OF MISSOURI
900 NW BLUE PARKWAY
LEE'S SUMMIT, MO

No.	Description	Date
1	REVIEW 1	2-11-2022
2	PERMIT PRICING	2-23-2022
3	PLAN REV. COMMENTS	3-23-2022

Sheet Index

- Mechanical Series**
M1.0 Mechanical Notes, Schedules
M2.0 Mechanical Plan, Cafe Mechanical Plan
- Plumbing Series**
P1.0 Plumbing Plan, Sanitary Riser, Plumbing Fixture Schedule, Supply Riser
- Electrical Series**
E1.0 Power Plan, Electrical Riser
E2.0 Lighting Plan, Light Fixture Schedule, LPD
E3.0 Power Panelboard Layouts, Track Light Switching Riser
E4.0 Existing Electrical Riser
- Fire Series**
F1.0 Fire Sprinkler Scope of Work

Lighting Plans

Date	3-23-2022
Drawn by	SAE
Checked by	SCH

E2.0

Scale AS NOTED

LP1A1 (10,000 A.I.C.)																			
MAIN 100A										FEED EXISTING									
LOCATION: ELECTRICAL ROOM A										MOUNTING: EXISTING									
DESCRIPTION	U	A	B	C	BRKR	CT	NO	P	NO	DESCRIPTION	U	A	B	C	BRKR	CT	NO	P	NO
TRACK LIGHTING QUAD A	1	-	1650	-	20	1	1	-	-	EXISTING	-	-	-	-	-	-	-	-	-
TRACK LIGHTING QUAD A	2	-	1793	-	20	1	3	-	-	EXISTING	-	-	-	-	-	-	-	-	-
TRACK LIGHTING QUAD A	3	-	1680	-	20	1	5	-	-	EXISTING	-	-	-	-	-	-	-	-	-
TRACK LIGHTING QUAD A	4	-	1755	-	20	1	7	-	-	EXISTING	-	-	-	-	-	-	-	-	-
TRACK LIGHTING QUAD A	12	-	1800	-	20	1	9	-	-	EXISTING	-	-	-	-	-	-	-	-	-
TRACK LIGHTING QUAD A	10	-	1800	-	20	1	11	-	-	EXISTING	-	-	-	-	-	-	-	-	-
TRACK LIGHTING QUAD A	2	-	1725	-	20	1	13	-	-	EXISTING	-	-	-	-	-	-	-	-	-
TRACK LIGHTING QUAD A	12	-	1560	-	20	1	15	-	-	EXISTING	-	-	-	-	-	-	-	-	-
TRACK LIGHTING QUAD A	14	-	1530	-	20	1	17	-	-	EXISTING	-	-	-	-	-	-	-	-	-
TRACK LIGHTING QUAD A	2	-	1763	-	20	1	19	-	-	EXISTING	-	-	-	-	-	-	-	-	-
TRACK LIGHTING QUAD A	8	-	1740	-	20	1	21	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	800	-	20	1	23	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	800	-	20	1	25	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	800	-	20	1	27	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	800	-	20	1	29	-	-	EXISTING	-	-	-	-	-	-	-	-	-
TRACK LIGHTING QUAD A	-	-	1673	-	20	1	31	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	1200	-	20	1	33	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	380	-	20	1	35	-	-	EXISTING	-	-	-	-	-	-	-	-	-
RECEPTACLES QUAD A	8	-	1440	-	20	1	37	-	-	EXISTING	-	-	-	-	-	-	-	-	-
RECEPTACLES QUAD A	7	-	1080	-	20	1	39	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	400	-	20	1	41	-	-	EXISTING	-	-	-	-	-	-	-	-	-
WATTS: BUS A: 17891 BUS B: 15613 BUS C: 14250										TOTAL WATTAGE 47754									

ELECTRICAL PANEL: LA1A2 (10,000 A.I.C.)																			
MAIN 100A										FEED EXISTING									
LOCATION: ELECTRICAL ROOM A										MOUNTING: EXISTING									
DESCRIPTION	U	A	B	C	BRKR	CT	NO	P	NO	DESCRIPTION	U	A	B	C	BRKR	CT	NO	P	NO
EXISTING	-	-	1125	-	20	1	43	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	1125	-	20	1	45	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	1380	-	20	1	47	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	1170	-	20	1	49	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	970	-	20	1	51	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	500	-	20	1	53	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	1260	-	20	1	55	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	1260	-	20	1	57	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	1305	-	20	1	59	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	1220	-	20	1	61	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	800	-	20	1	63	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	800	-	20	1	65	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	800	-	20	1	67	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	800	-	20	1	69	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	800	-	20	1	71	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	200	-	20	1	73	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	1200	-	20	1	75	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	380	-	20	1	77	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	800	-	20	1	79	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	800	-	20	1	81	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	400	-	20	1	83	-	-	EXISTING	-	-	-	-	-	-	-	-	-
WATTS: BUS A: 12715 BUS B: 11405 BUS C: 11400										TOTAL WATTAGE 35520									

ELECTRICAL PANEL: LP1A3 (10,000 A.I.C.)																			
MAIN 100A										FEED EXISTING									
LOCATION: ELECTRICAL ROOM A										MOUNTING: EXISTING									
DESCRIPTION	U	A	B	C	BRKR	CT	NO	P	NO	DESCRIPTION	U	A	B	C	BRKR	CT	NO	P	NO
EXISTING	-	-	885	-	20	1	85	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	700	-	20	1	87	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	700	-	20	1	89	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	700	-	20	1	91	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	698	-	20	1	93	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	1700	-	20	1	95	-	-	EXISTING	-	-	-	-	-	-	-	-	-
EXISTING	-	-	100	-	20	1	97	-	-	EXISTING	-	-	-	-	-	-	-	-	-
SPARE	-	-	-	-	20	1	99	-	-	SPARE	-	-	-	-	-	-	-	-	-
SPARE	-	-	-	-	20	1	101	-	-	SPARE	-	-	-	-	-	-	-	-	-
SPARE	-	-	-	-	20	1	103	-	-	SPARE	-	-	-	-	-	-	-	-	-
SPARE	-	-	-	-	20	1	105	-	-	SPARE	-	-	-	-	-	-	-	-	-
SPARE	-	-	-	-	20	1	107	-	-	SPARE	-	-	-	-	-	-	-	-	-
SPARE	-	-	-	-	20	1	109	-	-	SPARE	-	-	-	-	-	-	-	-	-
SPARE	-	-	-	-	20	1	111	-	-	SPARE	-	-	-	-	-	-	-	-	-
SPARE	-	-	-	-	20	1	113	-	-	SPARE	-	-	-	-	-	-	-	-	-
SPARE	-	-	-	-	20	1	115	-	-	SPARE	-	-	-	-	-	-	-	-	-
SPARE	-	-	-	-	20	1	117	-	-	SPARE	-	-	-	-	-	-	-	-	-
SPARE	-	-	-	-	20	1	119	-	-	SPARE	-	-	-	-	-	-	-	-	-
SPARE	-	-	-	-	20	1	121	-	-	SPARE	-	-	-	-	-	-	-	-	-
SPARE	-	-	-	-	20	1	123	-	-	SPARE	-	-	-	-	-	-	-	-	-
SPARE	-	-	-	-	20	1	125	-	-	SPARE	-	-	-	-	-	-	-	-	-
WATTS: BUS A: 6455 BUS B: 4496 BUS C: 5190										TOTAL WATTAGE 16141									

ELECTRICAL PANEL: LP1B1																											
(10,000 A I.C.)																											
MAIN 150A										FEED EXISTING																	
LOCATION: ELECTRICAL ROOM B										MOUNTING: EXISTING																	
VOLTAGE: 120/208 V		PHASE: 3Ø		WIRE: 4		DESCRIPTION		U	A	VA	B	C	BRKR	CT	NO	P	NO	DESCRIPTION	U	A	B	C	BRKR	CT	NO	P	NO
								U	A	VA	B	C	BRKR	CT	NO	P	NO	DESCRIPTION	U	A	B	C	BRKR	CT	NO	P	NO
								6	-	1410	-	-	20	1	1	-	-	EXISTING	-	-	-	-	-	-	-	-	-
								12	-	1680	-	-	20	1	3	-	-	EXISTING	-	-	-	-	-	-	-	-	-
								6	-	1478	-	-	20	1	5	-	-	EXISTING	-	-	-	-	-	-	-	-	-
								6	-	1793	-	-	20	1	7	-	-	EXISTING	-	-	-	-	-	-	-	-	-
								4	-	1590	-	-	20	1	9	-	-	EXISTING	-	-	-	-	-	-	-	-	-
								6	-	1575	-	-	20	1	11	-	-	EXISTING	-	-	-	-	-	-	-	-	-
								6	-	1703	-	-	20	1	13	-	-	EXISTING	-	-	-	-	-	-	-	-	-
								12	-	1785	-	-	20	1	15	-	-	EXISTING	-	-	-	-	-	-	-	-	-
								10	-	1770	-	-	20	1	17	-	-	EXISTING	-	-	-	-	-	-	-	-	-
								16	-	1680	-	-	20	1	19	-	-	EXISTING	-	-	-	-	-	-	-	-	-
								8	-	1725	-	-	20	1	21	-	-	EXISTING	-	-	-	-	-	-	-	-	-
								EXISTING	-	-	360	-	-	20	1	23	-	-	EXISTING	-	-	-	-	-	-	-	-
								EXISTING	-	-	800	-	-	20	1	25	-	-	EXISTING	-	-	-	-	-	-	-	-
								EXISTING	-	-	800	-	-	20	1	27	-	-	EXISTING	-	-	-	-	-	-	-	-
								EXISTING	-	-	800	-	-	20	1	29	-	-	EXISTING	-	-	-	-	-	-	-	-
								EXISTING	-	-	800	-	-	20	1	31	-	-	EXISTING	-	-	-	-	-	-	-	-
								EXISTING	-	-	720	-	-	20	1	33	-	-	EXISTING	-	-	-	-	-	-	-	-
								TRACK LIGHTING QUAD B	14	-	1425	-	-	20	1	35	-	-	EXISTING	-	-	-	-	-	-	-	-
								TRACK LIGHTING QUAD B	6	-	1305	-	-	20	1	37	-	-	EXISTING	-	-	-	-	-	-	-	-
								EXISTING	-	-	800	-	-	20	1	39	-	-	EXISTING	-	-	-	-	-	-	-	-
								EXISTING	-	-	800	-	-	20	1	41	-	-	EXISTING	-	-	-	-	-	-	-	-
								WATTS: BUS A:	16051	-	9491	9100	8208	-	-	-	-	-	6560	5405	6180	-	-	-	-	-	-
								WATTS: BUS B:	14505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
								WATTS: BUS C:	14388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
								TOTAL WATTAGE	44844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FOR REVIEW ONLY

FURNITURE MALL OF MISSOURI

900 NW BLUE PARKWAY
LEE'S SUMMIT, MO

No.	Description	Date
1	REVIEW 1	2-11-2022
2	PERMIT PRICING	2-23-2022
3	PLAN REV. COMMENTS	3-23-2022

Sheet Index

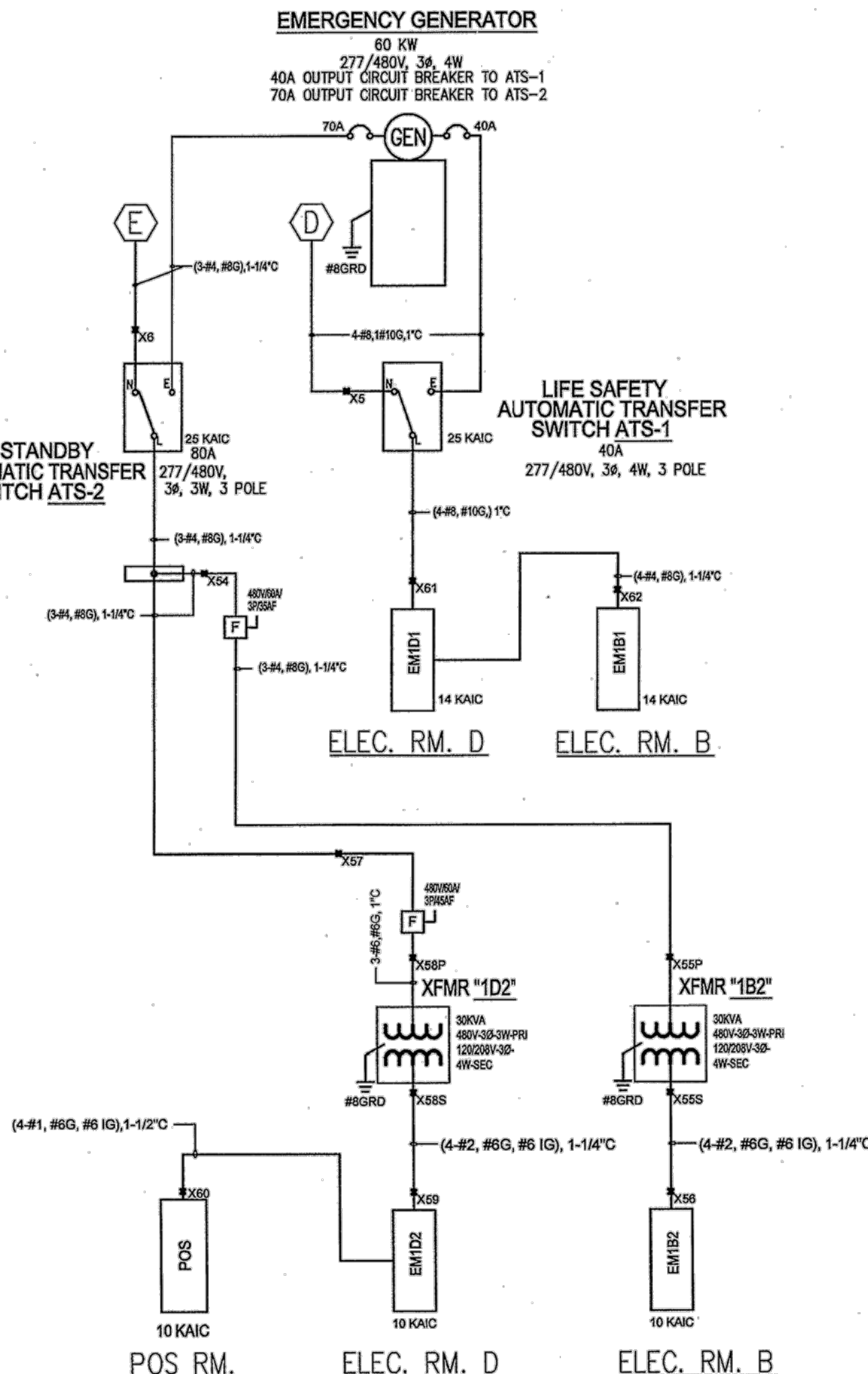
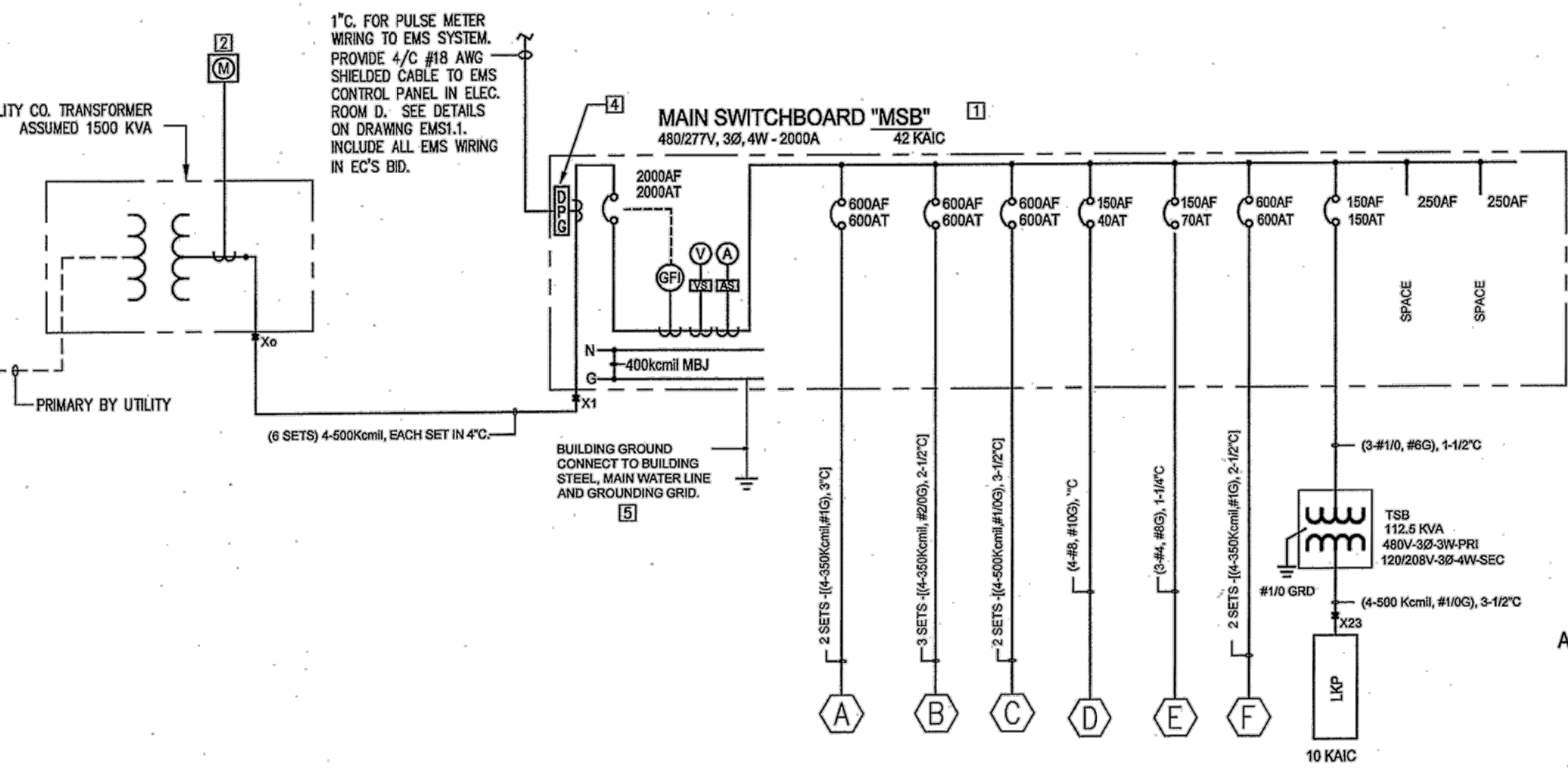
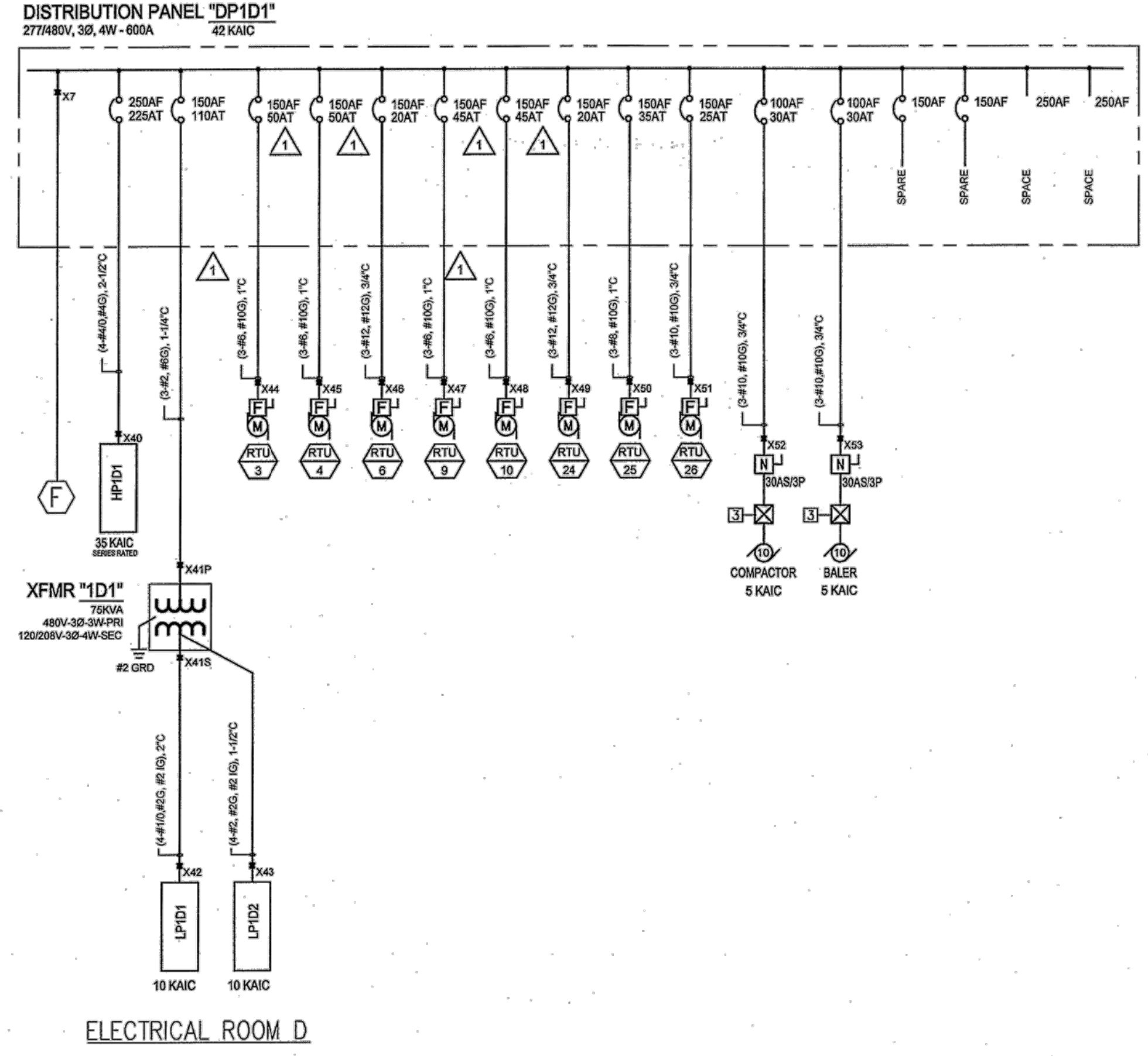
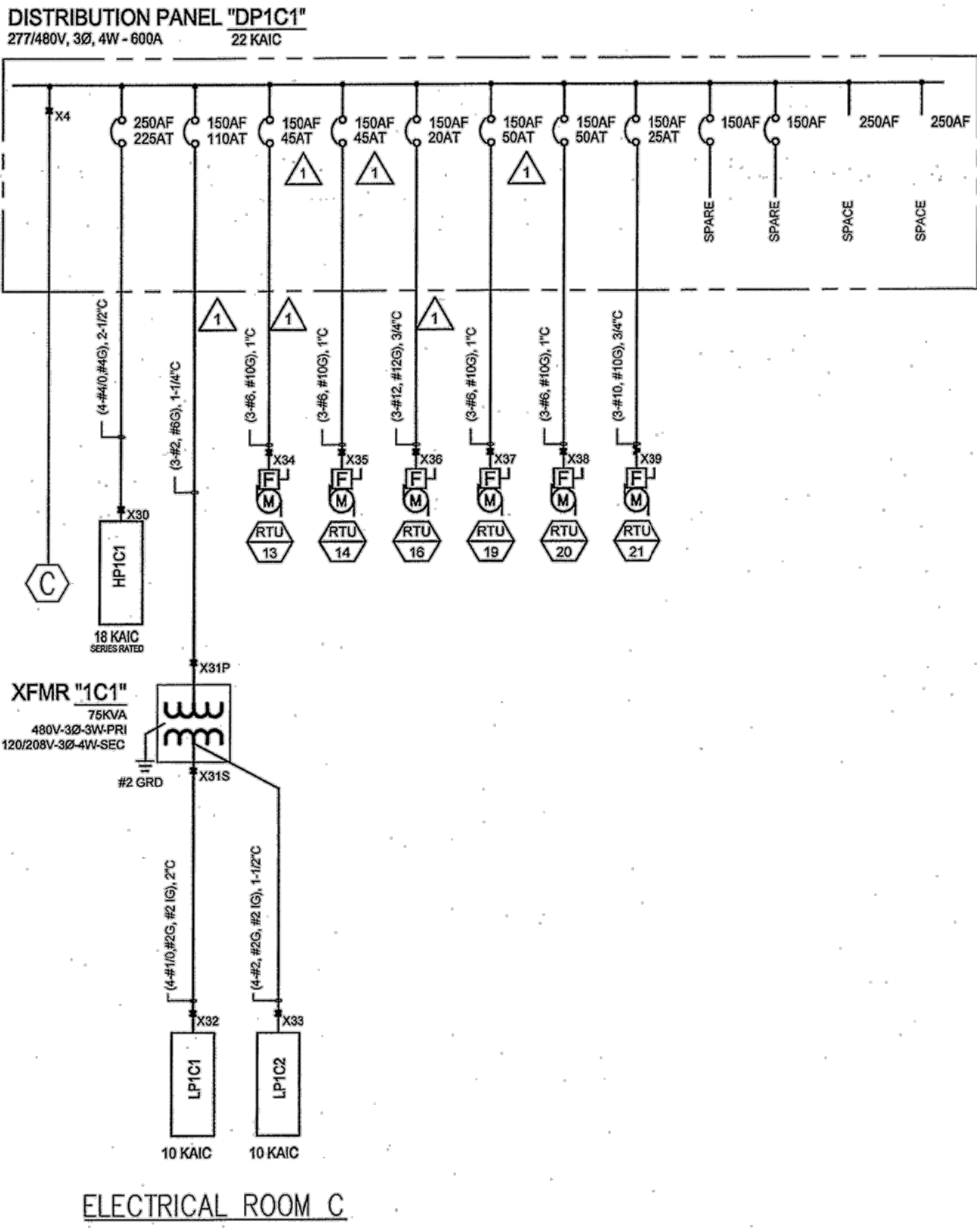
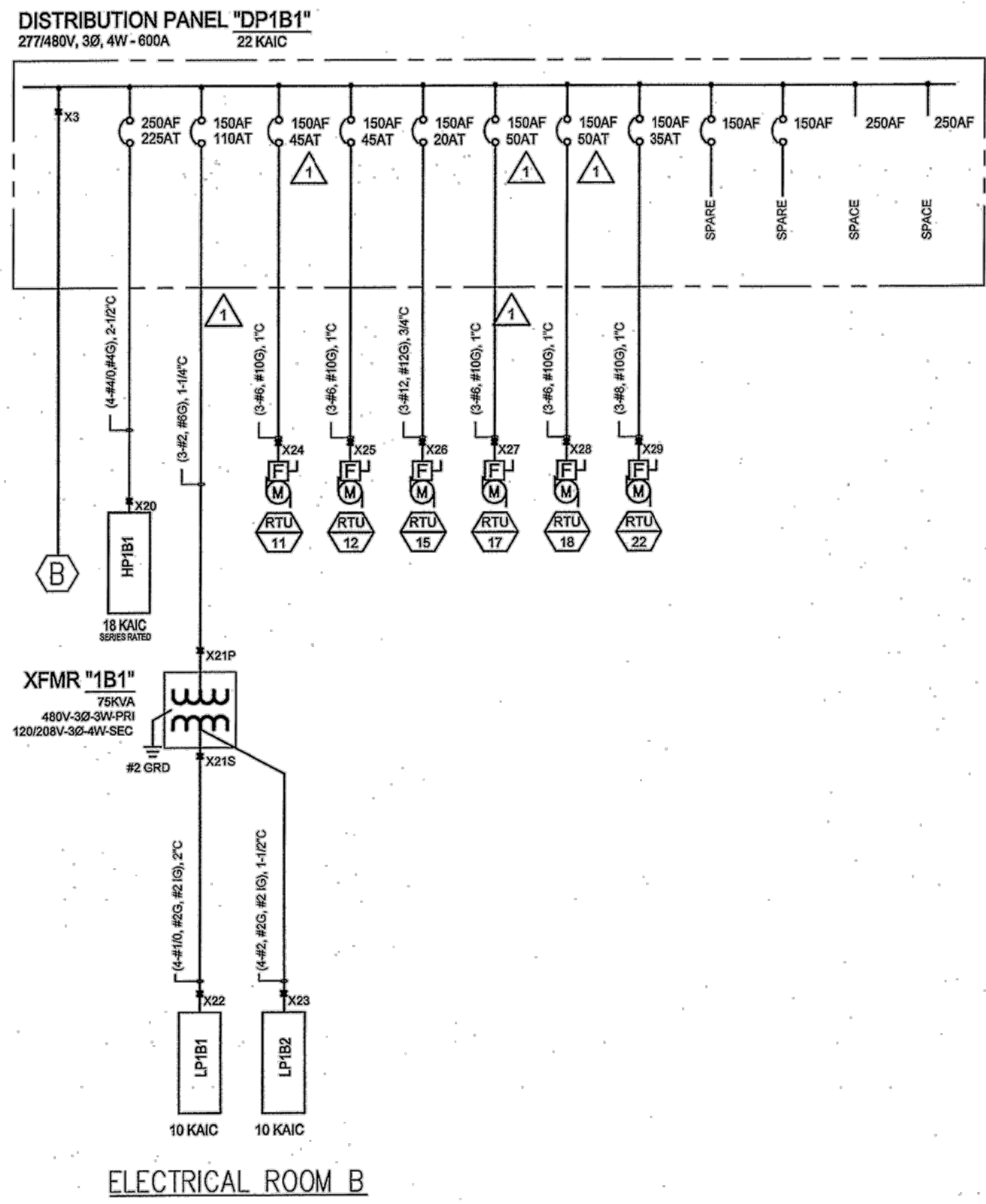
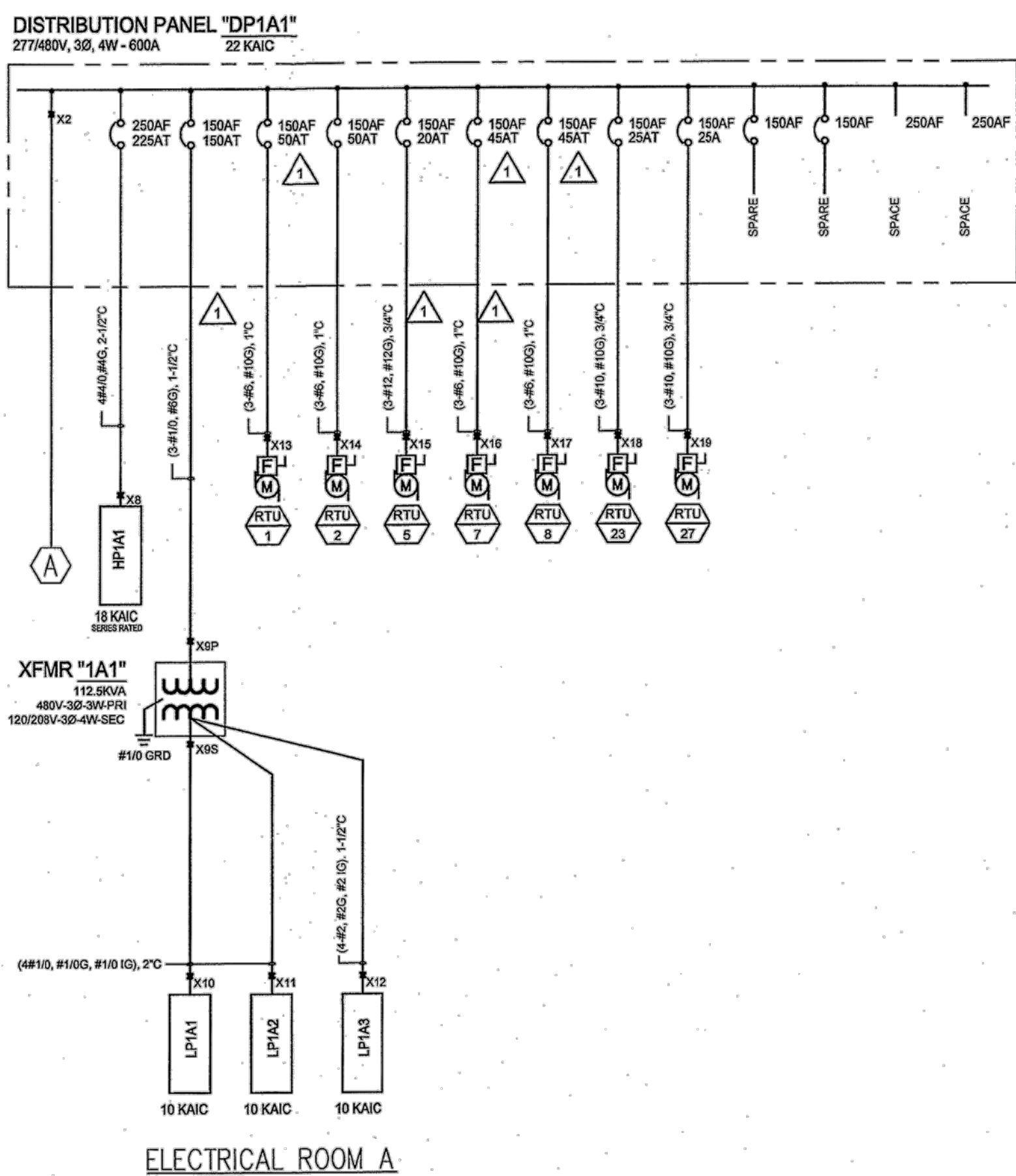
Mechanical Series	M1.0 Mechanical Notes, Schedules
Plumbing Series	P1.0 Plumbing Plan, Sanitary Riser, Plumbing Fixture Schedule, Supply Riser
Electrical Series	E1.0 Power Plan, Electrical Riser
	E2.0 Lighting Plan, Light Fixture Schedule, LPD
	E3.0 Power Panelboard Layouts, Track Light Switching Riser
	E4.0 Existing Electrical Riser
Fire Series	F1.0 Fire Sprinkler Scope of Work

Panelboard Layouts Lighting Fixture Schedule Lighting Riser

Date	3-23-2022
Drawn by	---
Checked by	SCH

E4.0

Scale AS NOTED



GENERAL NOTES:

- ALL DISCONNECTS SHOWN SHALL BE PROVIDED BY THE EC UNLESS OTHERWISE NOTED. SEE MECHANICAL SCHEDULE DRAWING FOR DISCONNECTS FURNISHED BY OTHERS.
- PROVIDE EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS, SIZED IN ACCORDANCE WITH NEC ARTICLE 250-122. SEE SPECIFICATIONS.
- MSB, MODULAR DISTRIBUTION PANELS, TRANSFORMERS AND BRANCH CIRCUIT PANELS ARE FURNISHED BY MACYS, INSTALLED BY EC.
- EC SHALL REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT FURNISHED BY EC.
- POS PANEL IS ISOLATED GROUND PANEL FOR POS ROOM OUTLETS ONLY.
- EC SHALL INCLUDE ALL EMS WIRING FOR A COMPLETE AND OPERATIONAL SYSTEM IN THEIR BID. SEE EMS DRAWINGS FOR ADDITIONAL INFORMATION AND DETAILS.
- EC SHALL USE COPPER CONDUCTORS AS INDICATED AS A BASE BID. AS AN ALTERNATE, PROVIDE ALUMINUM CONDUCTORS, PER THE FEEDER SCHEDULE THIS SHEET, FOR FEEDERS 100 AMPS AND GREATER. EC SHALL COORDINATE LUG SIZES AND MATERIALS TO ACCEPT THE CONDUCTORS INSTALLED.

KEYED NOTES:

- MSB IS FURNISHED BY MACY'S AND INSTALLED BY EC.
- EC SHALL PROVIDE THE UTILITY TRANSFORMER PAD, GROUND RODS (ONE PER WINDOW), SECONDARY CONDUIT, SECONDARY CONDUCTORS, AND TERMINATIONS AT MSB. UTILITY SHALL PROVIDE PRIMARY CONDUCTORS, TRANSFORMER, METER ENCLOSURE MOUNTED ON TRANSFORMER, CTS IN TRANSFORMER, TERMINATIONS AT TRANSFORMER, METER AND METER WIRING. DEVELOPER SHALL PROVIDE THE PRIMARY CONDUITS. INSTALLATION SHALL BE IN CONFORMANCE WITH ALL SERVING UTILITY AND AHI REQUIREMENTS. UTILITY CONTACT IS DODG DAWN (916-551-5847) AT KCP&L (FORMERLY AQUILA).
- EQUIPMENT CONTROLLER FURNISHED AND INSTALLED BY OTHERS. EC SHALL MAKE FINAL ELECTRICAL CONNECTIONS.
- EC SHALL MAKE FINAL CONNECTIONS TO PULSE OUTPUT METER FURNISHED WITH MSB. EC SHALL COORDINATE INSTALLATION AND ENSURE PROPER OPERATION.
- PROVIDE ELECTRICAL GROUNDING SYSTEM PER DETAIL 2/ES.01.

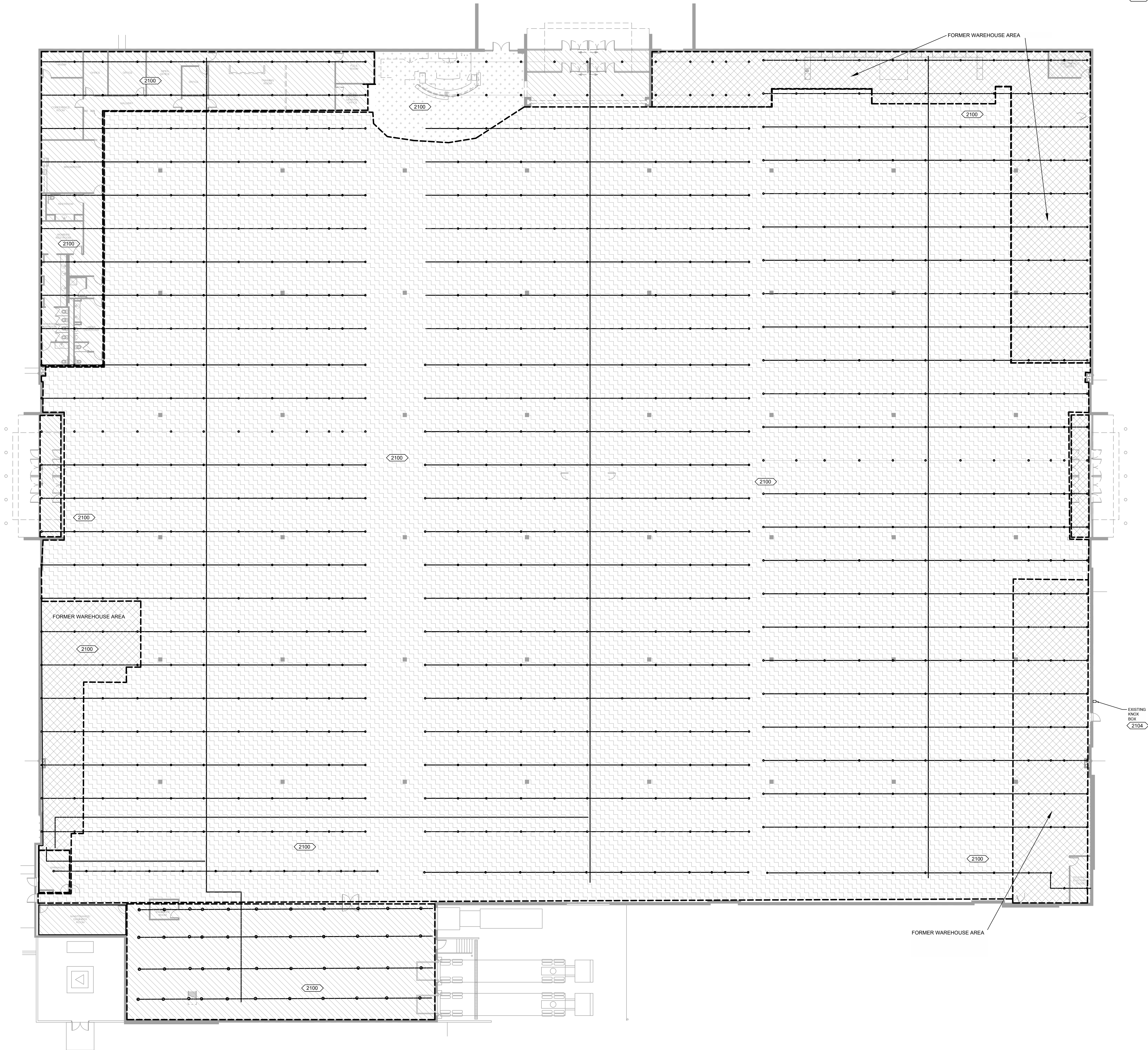
FEEDER SCHEDULE			
OCPO Setting	Copper Conductors	Aluminum Conductors	Load
2000	6 sets of (4-500 kcmil)	4" 6 sets of (4-500 kcmil)	MSB
MSB	400 kcmil	100 kcmil	MSB GND
680	2 sets of (4-350 kcmil, #1/G)	2-1/2" 2 sets of (4-500 kcmil, #2/Ø)	DP1A1
680	3 sets of (4-350 kcmil, #2/Ø)	2-1/2" 3 sets of (4-500 kcmil, #4/Ø)	DP1B1
680	2 sets of (4-350 kcmil, #1/Ø)	2-1/2" 2 sets of (4-350 kcmil, #3/Ø)	DP1C1
680	2 sets of (4-350 kcmil, #1/G)	2-1/2" 2 sets of (4-500 kcmil, #2/Ø)	DP1D1
480	4-500 kcmil, #1/Ø	3-1/2" 2 sets of (4-250 kcmil, #3/Ø)	LP1
225	4#4/Ø, #4/G	2-1/2" 4-300 kcmil, #2/G	HP1A1
225	4#4/Ø, #4/G	2-1/2" 4-300 kcmil, #2/G	HP1B1
225	4#4/Ø, #4/G	2-1/2" 4-300 kcmil, #2/G	HP1C1
225	4#4/Ø, #4/G	2-1/2" 4-300 kcmil, #2/G	HP1D1
150	3#1/Ø, #6/G	1-1/2" 3#3/Ø, #4/G	XFMR 1A1
GEC #1/Ø	#3/Ø	#3/Ø	JA1 GND
150	3#1/Ø, #6/G	1-1/2" 3#3/Ø, #4/G	XFMR 1B1
GEC #1/Ø	#3/Ø	#3/Ø	TSB GND
150	4#1/Ø, #1/ØG, #1/Ø IG	2" 4#3/Ø, #3/ØG, #3/Ø IG	LP1A1
150	4#1/Ø, #1/ØG, #1/Ø IG	2" 4#3/Ø, #3/ØG, #3/Ø IG	LP1A2
150	4#1/Ø, #2/G, #2 IG	2" 4#3/Ø, #1/ØG, #1/Ø IG	LP1B1
150	4#1/Ø, #2/G, #2 IG	2" 4#3/Ø, #1/ØG, #1/Ø IG	LP1C1
150	4#1/Ø, #2/G, #2 IG	2" 4#3/Ø, #1/ØG, #1/Ø IG	LP1D1
110	3#2, #6/G	1-1/2" 3#1/Ø, #4/G	XFMR 1B1
110	3#2, #6/G	1-1/2" 3#1/Ø, #4/G	XFMR 1C1
110	3#2, #6/G	1-1/2" 3#1/Ø, #4/G	XFMR 1D1
GEC #2/G	#1/Ø	#1/Ø	1B1 GND
GEC #2/G	#1/Ø	#1/Ø	1C1 GND
GEC #2/G	#1/Ø	#1/Ø	1D1 GND
100	4#2, #2/G, #2 IG	1-1/2" 4#1/Ø, #1/ØG, #1/Ø IG	LP1A3
100	4#2, #2/G, #2 IG	1-1/2" 4#1/Ø, #1/ØG, #1/Ø IG	LP1B2
100	4#2, #2/G, #2 IG	1-1/2" 4#1/Ø, #1/ØG, #1/Ø IG	LP1C2
100	4#2, #2/G, #2 IG	1-1/2" 4#1/Ø, #1/ØG, #1/Ø IG	LP1D2

LOAD CALCULATION SUMMARY			
SUMMIT/FURNITURE MALL - LEE'S SUMMIT, MO JOB NO. 06130.00			
LOAD TYPE	CONNECTED LOAD (KVA)	NEC FACTOR	NEC DEMAND LOAD (KVA)
LIGHTING	209.95	1.25	262.44
EXTERIOR	6.00	1.25	6.00
RECEPTACLES	10.00	1.00	10.00
1ST 10 KVA	10.00	1.00	10.00
NEUTRAL	168.95	0.90	152.06
MECHANICAL	752.95	1.00	752.95
25% OF LARGEST MOTOR	34.92	0.25	8.73
PLUMBING	26.50	1.00	26.50
TOTAL	1168.00 KVA		1144.95 KVA
AT 480V/3PH/4W	1495.61 AMPS		1377.79 AMPS
SIZE SERVICE AT 2000 AMPS			
6 SETS OF 4-500KCM			

SCALE: NONE

1 FIRE SPRINKLER PLAN

SCALE: 1/16" = 1'-0"



INSTALLATION NOTES:

- 2100 FIELD-VERIFY EXISTING CONDITIONS AND LAYOUT. PIPING AND SPRINKLER HEAD LOCATIONS SHOWN ARE GENERALLY FROM DRAWINGS FP-1 THROUGH FP-5, CODE CONSULTANTS, INC., MARCH 5, 2015 DATED 06-08-08. SEE AREA DESIGNATION LEGEND FOR PROPOSED MODIFICATIONS.
- 2101 EXISTING FIRE SERVICE RISERS SERVING TWO ZONES.
- 2102 FIRE EXTINGUISHERS ARE EXISTING AND REMAIN. CONTRACTOR SHALL FIELD VERIFY CONDITION AND SERVICE OR REPLACE AS NECESSARY. ADDITIONAL FIRE EXTINGUISHERS SHALL BE PROVIDED AS REQUIRED BY THE FIRE DEPARTMENT AND OWNER.
- 2103 EXISTING KNOX BOX LOCATION. CHANGE LOCK PER FIRE DEPARTMENT REQUIREMENTS. FINAL LOCATION SHALL BE DETERMINED BY FIRE DEPARTMENT.

AREA DESIGNATIONS:

- AREA TO REMAIN AS-IS, NO CHANGES TO CEILING OR WALLS PROPOSED
- CEILING AND WALLS TO BE REMOVED. ORIENT SPRINKLER HEADS UP.
- NEW WALLS AND CEILING TO BE INSTALLED.
- WALLS TO BE REMOVED.

GENERAL NOTES: (WET-PIPE FIRE SUPPRESSION SPRINKLERS)

1. INCLUDE ALL PLANT FACILITIES, LABOR, MATERIAL, EQUIPMENT AND SERVICE NECESSARY FOR THE DESIGN AND RECONFIGURATION OF THE EXISTING AUTOMATIC SPRINKLER SYSTEM AND PIPING.
2. SYSTEM RECONFIGURATION SHALL BE DESIGNED AND COMPLY WITH THE LATEST VERSION OF THE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), NFPA 13 INSTALLATION OF SPRINKLER SYSTEMS, AND NFPA 70 NATIONAL ELECTRICAL CODE.
3. SUBMIT DRAWINGS SIGNED BY A REGISTERED FIRE PROTECTION ENGINEER OR SIGNED BY A NICET IP CERTIFIED FIRE SUPPRESSION DESIGNER IF ALLOWED BY LOCAL FIRE CODE OFFICIAL. SUBMIT HYDRAULIC CALCULATIONS TO SUBSTANTIATE COMPLIANCE WITH HYDRAULIC DESIGN REQUIREMENTS. SUBMIT NAME OF SOFTWARE PROGRAM IF USED AND CERTIFICATES.
4. DESIGN SHALL BE IN ACCORDANCE WITH HYDRAULIC CALCULATIONS FOR UNIFORM DISTRIBUTION OF WATER OVER THE DESIGN AREA. LOCATE SPRINKLER HEADS IN A CONSISTENT PATTERN.
5. DEVICES AND EQUIPMENT FOR FIRE PROTECTION SERVICE SHALL BE UL FPD LISTED.
6. IN GENERAL, WORK SHALL INCLUDE BUT NOT BE LIMITED TO:
A. COMPLETE RECONFIGURED OVERHEAD AUTOMATIC SPRINKLER SYSTEM.
7. PROVIDE FITTINGS FOR CHANGES IN DIRECTION OF PIPING AND FOR CONNECTIONS. MAKE CHANGES IN PIPING SIZES THROUGH TAPERED REDUCING PIPE FITTINGS. BUSHINGS WILL NOT BE PERMITTED.
8. STEEL PIPING SHALL BE SCHEDULE 40. FITTINGS INTO WHICH SPRINKLER HEADS, SPRINKLER HEAD RISER NIPPLES, OR DROP NIPPLES ARE THREADED SHALL BE THREADED TYPE. FITTINGS SHALL BE UL FPD LISTED.
9. PROVIDE NOMINAL 0.50 INCH ORIFICE SPRINKLER HEADS. O-RINGS WILL NOT BE PERMITTED IN SPRINKLER HEADS. RELEASE ELEMENT OF EACH HEAD SHALL BE OF THE STANDARD TEMPERATURE RATING OR HIGHER AS SUITABLE FOR THE SPECIFIC APPLICATION.
10. PROVIDE NEW PIPE HANGERS AND SUPPORTS WHERE NECESSARY IN ACCORDANCE WITH NFPA 13.
11. INSTALL NEW PIPING STRAIGHT AND TRUE TO BEAR EVENLY ON HANGERS AND SUPPORTS. ALL NEW PIPING SHALL BE REAMED TO REMOVE ALL BURRS, AND PIPE SECTIONS SHALL BE CLEANED INSIDE TO REMOVE ALL CHIPS AND FOREIGN MATERIALS PRIOR TO MAKING JOINTS.
12. KEEP THE INTERIOR AND ENDS OF NEW PIPING AND EXISTING PIPING AFFECTED BY CONTRACTOR'S OPERATIONS THOROUGHLY CLEANED OF WATER AND FOREIGN MATTER. KEEP PIPING SYSTEMS CLEAN DURING INSTALLATION BY MEANS OF PLUGS OR OTHER APPROVED METHODS. WHEN WORK IS NOT IN PROGRESS, SECURELY CLOSE OPEN ENDS OF PIPING TO PREVENT ENTRY OF WATER AND FOREIGN MATTER. INSPECT PIPING BEFORE PLACING INTO POSITION.
13. PROVIDE TEFLON PIPE THREAD PASTE ON MALE THREADS.
14. ALL NEW DRAIN VALVES AND TEST VALVES IF NECESSARY SHALL BE REPLACEABLE RUBBER OR COMPOSITION DISCS.
15. ALL PENDANT SPRINKLERS LOCATED WITHIN SEVEN (7) FEET OF THE FLOOR SHALL BE PROVIDED WITH SPRINKLER GUARDS.
16. EXTRA SPRINKLERS IN QUANTITIES REQUIRED BY NFPA 13 SHALL BE PROVIDED AND SHALL BE PLACED WITHIN THE EXISTING CABINET WHICH IS LOCATED ADJACENT TO THE MAIN RISER. THE CABINET SHALL BE PROVIDED WITH A SPRINKLER WRENCH, OR SPECIAL WRENCH WHERE APPLICABLE.
17. NEW INSPECTOR'S TEST VALVES IF NECESSARY SHALL BE INSTALLED DOWNSTREAM OF WATER-FLOW DEVICE. INSPECTOR'S TEST OUTLETS SHALL BE PIPED TO DRAIN OUTSIDE OF THE BUILDING OR INTO THE SEWER DRAIN. VALVES SHALL BE WITHIN SIX (6) FEET OF THE FLOOR OR FINISHED GRADE. WHEN THE DISCHARGE OUTLET CANNOT BE SEEN FROM THE VALVE OR WHEN INSPECTOR'S TEST CONNECTIONS ARE PIPED INTO THE SEWER SYSTEM, A SIGHT GLASS SHALL BE PROVIDED. DIRECT INTERCONNECTIONS SHALL NOT BE MADE BETWEEN SEWERS AND SPRINKLER DRAINS.
18. NEW PRESSURE GAUGES SHALL BE PROVIDED AT EACH SIDE OF THE MAIN CHECK VALVE AND AT THE CONTROL VALVE.
19. PROVIDE PIPE MARKERS ON NEW EXPOSED PIPING WITH THE WORDS "AUTO SPRINKLER" OR "FIRE SPRINKLER" IN A MINIMUM 2 INCH HIGH LETTERING SO AS TO BE EASILY READ FROM THE GROUND OR FLOOR LEVEL. MARKERS SHALL BE SPACED AT A MAXIMUM OF 25 FEET BETWEEN MARKERS.
20. ALL COMPONENTS OF THE SYSTEM MUST BE HYDROSTATICALLY TESTED AT 200 PSI FOR A MINIMUM OF TWO (2) HOURS. ALL PIPING MUST BE EXPOSED FOR THE HYDROSTATIC TEST. PORTIONS OF THE SYSTEMS MAY BE TESTED SEPARATELY, BUT CARE MUST BE TAKEN TO INSURE THAT ALL PIPING, CONNECTIONS THERETO, AND DEVICES ARE TESTED.
21. THE CONTRACTOR SHALL CERTIFY THAT THE WORK IS INSTALLED IN ACCORDANCE WITH THE PROJECT REQUIREMENTS AND THE REQUIREMENTS OF NFPA 13 AND NFPA 24.

LEGEND: 1/8" scale (THIS SHEET ONLY)

- MAIN FIRE ALARM CONTROL PANEL
- AUDIO/VISUAL FIRE ALARM DEVICE WITH, FOR EXAMPLE, 50dB AND 15 CD OUTPUT, MOUNT AT 6'-8" A.F.F.
- AUDIO FIRE ALARM DEVICE WITH, FOR EXAMPLE, 50 dB OUTPUT, MOUNT AT 6'-8" A.F.F.
- VISUAL ALARM DEVICE WITH, FOR EXAMPLE, 15 CD OUTPUT, MOUNT AT 6'-8" A.F.F.
- PHOTOELECTRIC TYPE SMOKE DETECTOR
- IONIZATION TYPE SMOKE DETECTOR
- HEAT TYPE DETECTOR
- MANUAL FIRE ALARM PULL STATION, MOUNT AT 48" A.F.F.
- PHOTOELECTRIC DUCT TYPE SMOKE DETECTOR
- SPRINKLER SYSTEM ALARM SWITCH
- SPRINKLER SYSTEM FLOW SWITCH
- SPRINKLER VALVE TAMPER SWITCH
- AUXILIARY FAN SHUT DOWN RELAY
- MAGNETIC HOLD OPENS TIED INTO FIRE ALARM SYSTEM
- FIRE EXTINGUISHER
- INSPECTOR'S TEST CONNECTION
- FIRE ANNUNCIATOR PANEL
- HYDRANT
- FIRE DEPARTMENT CONNECTION
- SPRINKLER HEAD - UPRIGHT
- SPRINKLER HEAD - PENDANT
- SPRINKLER HEAD - CONCEALED
- SPRINKLER HEAD - SIDEWALL
- SPRINKLER ZONE CONTROL
- SPRINKLER SHUT OFF TOOL
- SUPPRESSION SYSTEM TANKS



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FOR REVIEW ONLY

FURNITURE MALL OF MISSOURI
900 NW BLUE PARKWAY
LEE'S SUMMIT, MO

No.	Description	Date
1	REVIEW 1	2-11-2022
2	PERMIT PRICING	2-23-2022
3	PLAN REV. COMMENTS	3-23-2022

Sheet Index

- Mechanical Series**
M1.0 Mechanical Notes, Schedules
M2.0 Mechanical Plan, Cafe
Mechanical Plan
- Plumbing Series**
P1.0 Plumbing Plan, Sanitary Riser,
Plumbing Fixture Schedule,
Supply Riser
- Electrical Series**
E1.0 Power Plan, Electrical Riser
E2.0 Lighting Plan, Light Fixture
Schedule, LPD
E3.0 Power Panelboard Layouts,
Track Light Switching Riser
E4.0 Existing Electrical Riser
- Fire Series**
F1.0 Fire Sprinkler Scope of Work

Fire Sprinkler Layout
Scope Work

Date	3-23-2022
Drawn by	...
Checked by	SCH

F1.0

Scale AS NOTED

SHEET INDEX	
G.000	COVER
A.111	SITE PLAN
A.211	EXTERIOR ELEVATIONS
A.321	WALL SECTIONS
A.322	WALL SECTIONS
A.351	EXTERIOR DETAILS
A.361	WINDOW TYPES

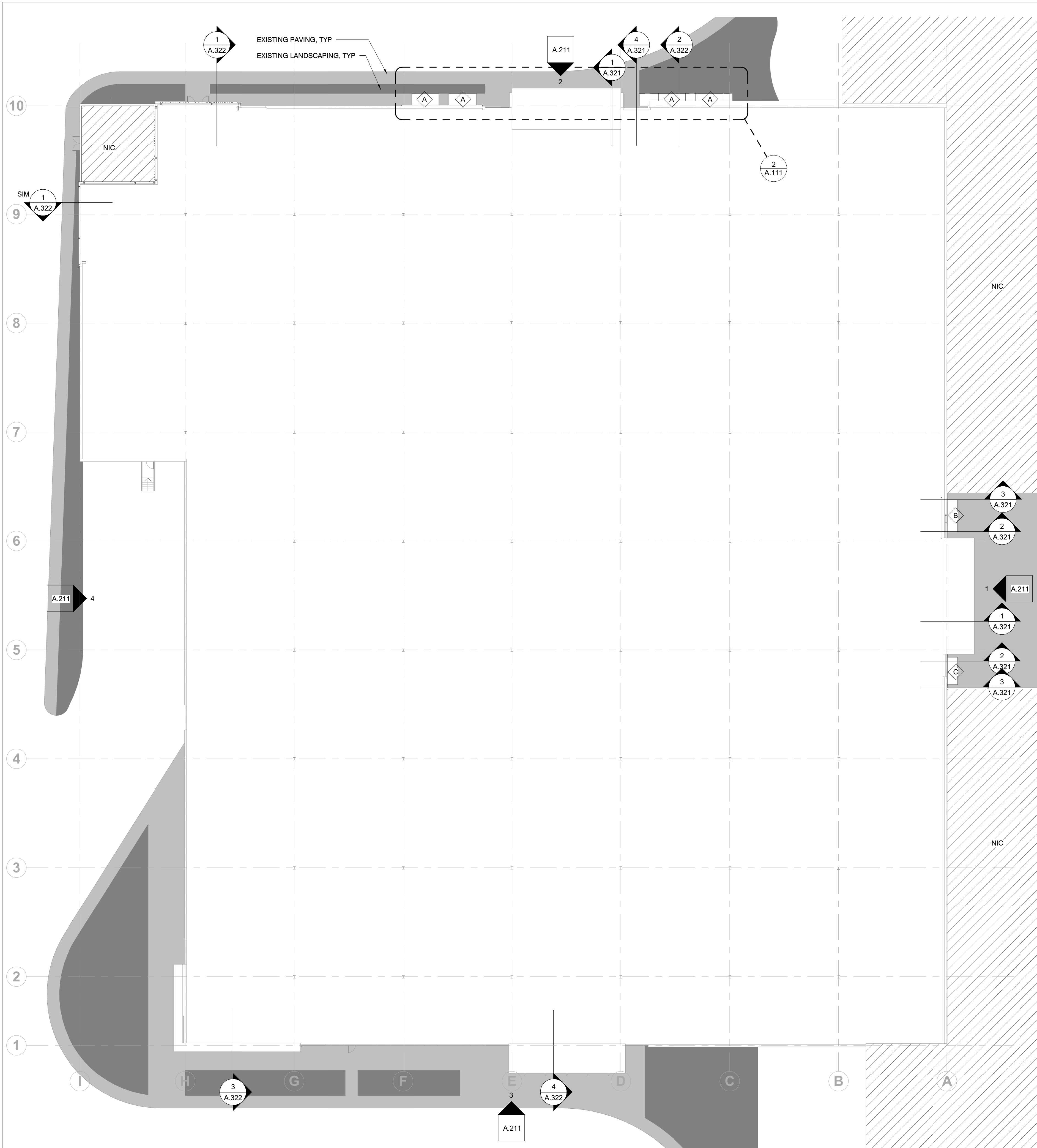
FURNITURE MALL TENANT IMPROVEMENT

EXTERIOR IMPROVEMENTS



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- GENERAL NOTES - ARCHITECTURAL SITE:**
1. ALL SIDEWALKS SHALL SLOPE 1/4 INCH PER FOOT AWAY FROM THE BUILDING, UNLESS NOTED OTHERWISE.
 2. ALL GRADES SHALL SLOPE AWAY FROM THE BUILDING AT 5 PERCENT FOR THE FIRST 10 FT.
 3. ALL RELEVANT EXISTING CONDITIONS TO BE FIELD VERIFIED.



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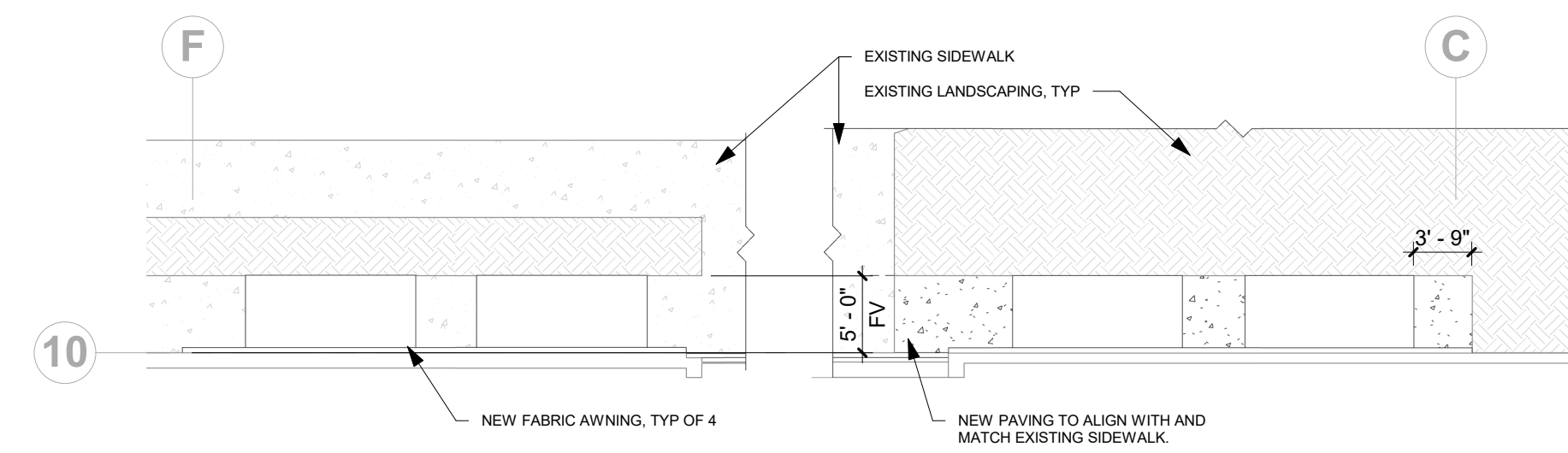


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date		02.10.2022
issued for		PERMIT
rev	date	description

SITE PLAN

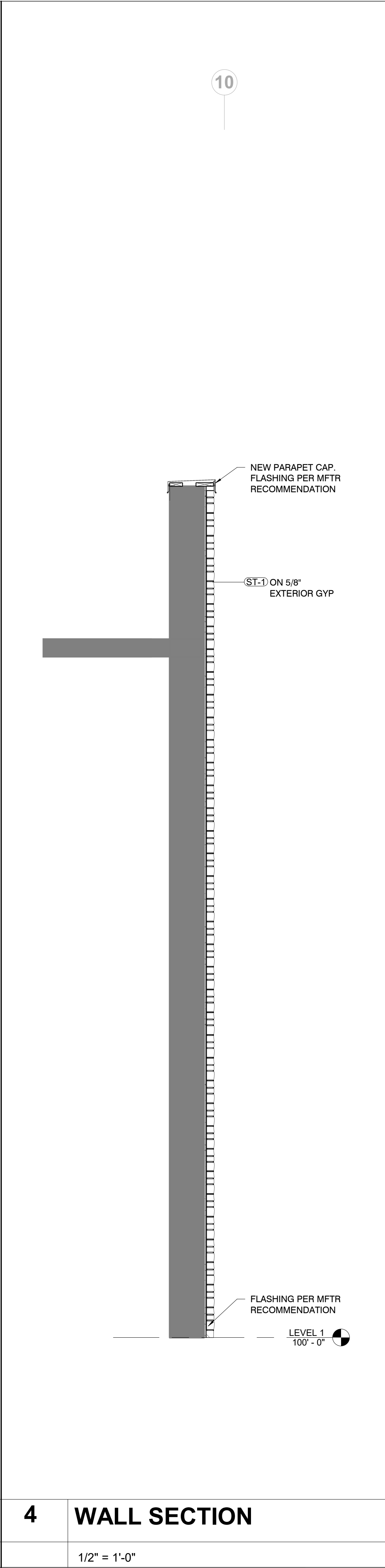
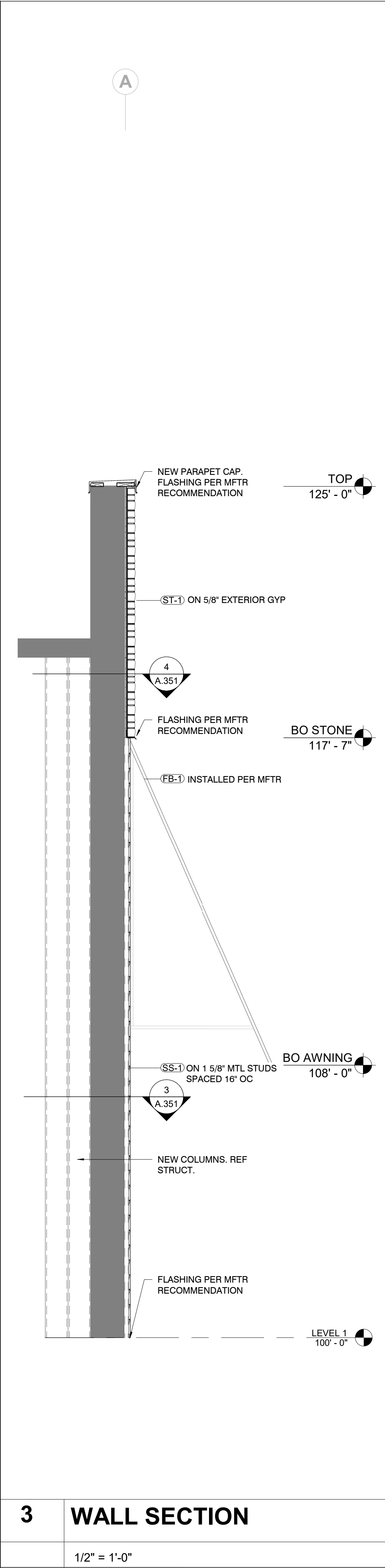
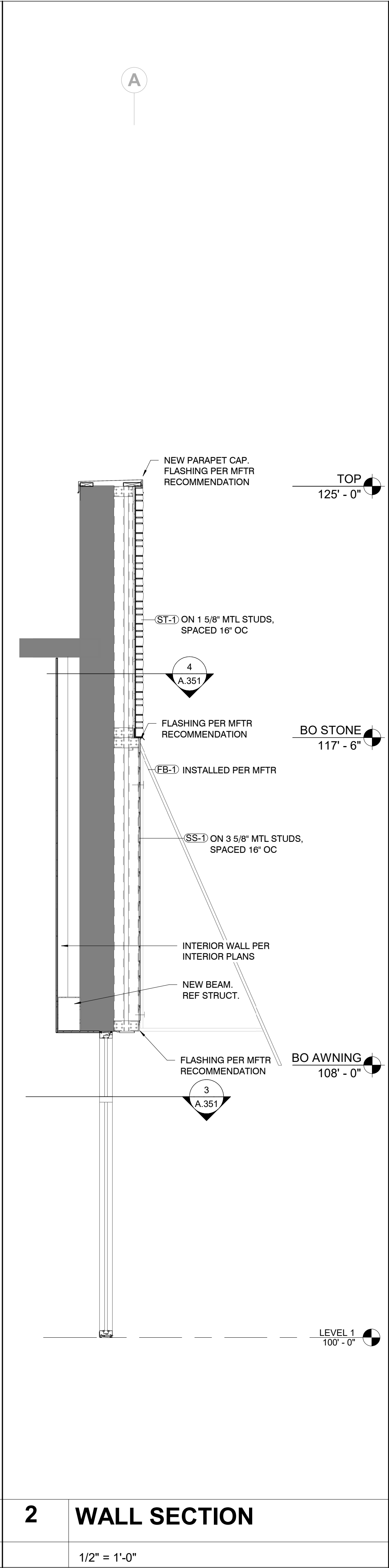
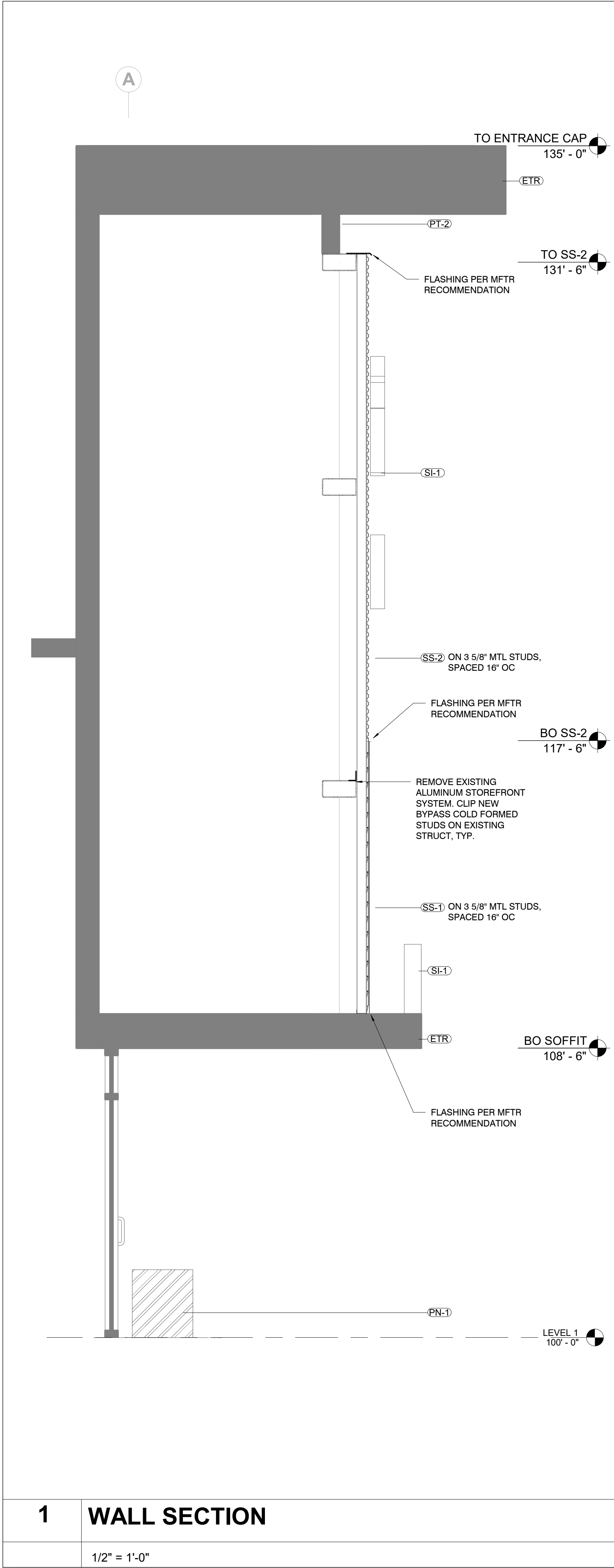
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A.111



2 ENLARGED SITE PLAN

3/32" = 1'-0"



ALL INTERIOR WORK UNDER PERMIT SET.
SEE INTERIOR WORK CONSTRUCTION SET.

GENERAL NOTES – EXTERIOR WALL SECTIONS/ DETAILS:

1. RE: FLOOR PLANS AND ELEVATIONS FOR SECTION CUT LOCATIONS.
2. ALL WINDOW AND DOOR OPENING DIMENSIONS ARE ROUGH OPENING DIMENSIONS, UNLESS NOTED OTHERWISE.
3. DIMENSIONS SHOWN ON THE WALL SECTIONS ARE TO THE FACE OF EXTERIOR WALL, FACE OF MASONRY (FOM), FACE OF CONCRETE WALLS (FOC), AND COLUMN GRID LINES, UNLESS NOTED OR SHOWN OTHERWISE.
4. ALL GLAZING IN CODE SPECIFIED "HAZARDOUS LOCATIONS" (i.e. DOORS, SIDE LITES, ETC.) SHALL COMPLY WITH THE SAFETY GLAZING REQUIREMENTS AS OUTLINED IN SECTIONS 2406 AND 2406.3 OF THE IBC.



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WALL SECTIONS

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1 WALL SECTION

1/2" = 1'-0"

2 WALL SECTION

1/2" = 1'-0"

3 WALL SECTION

1/2" = 1'-0"

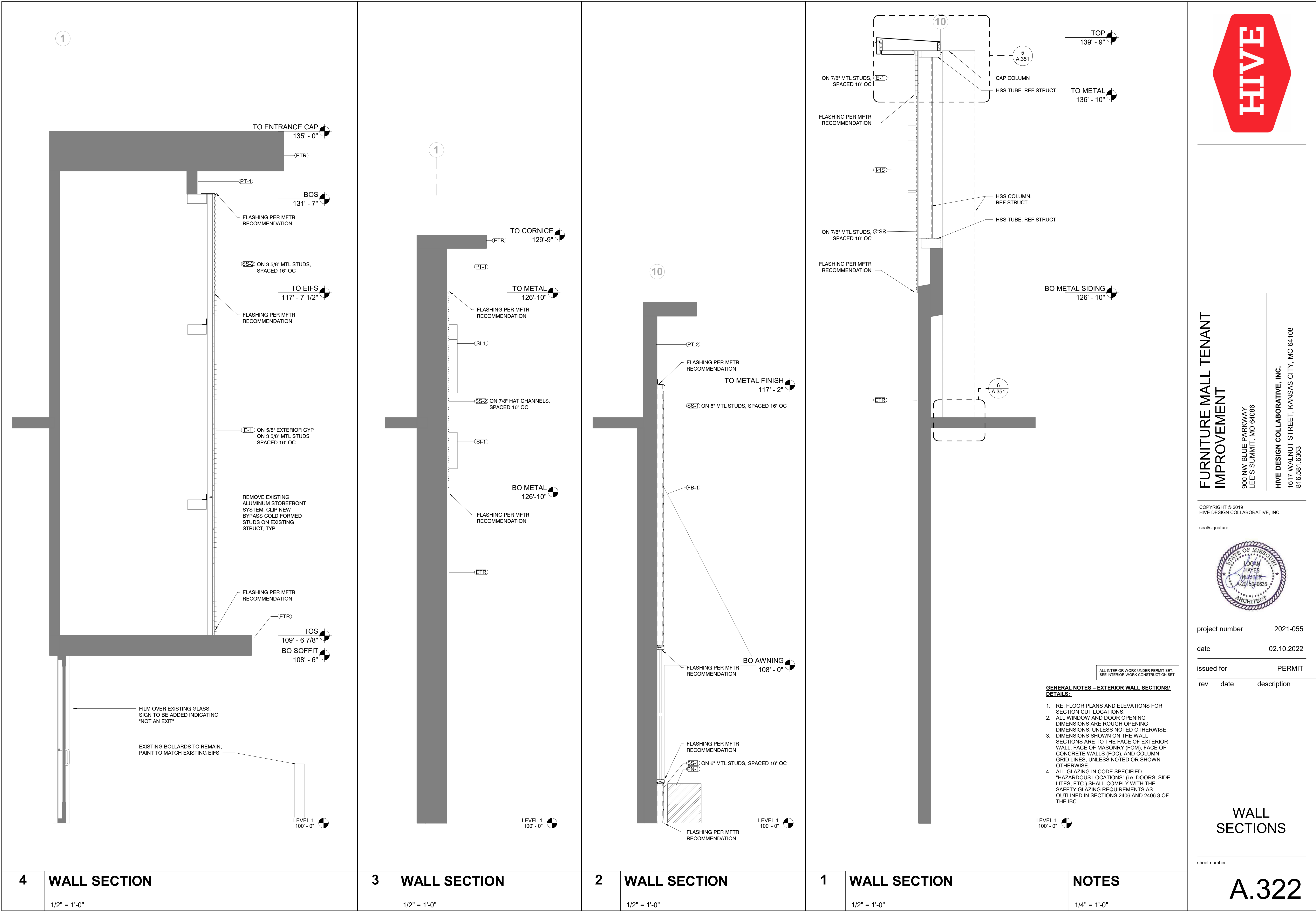
4 WALL SECTION

1/2" = 1'-0"

NOTES

1/4" = 1'-0"

A.321



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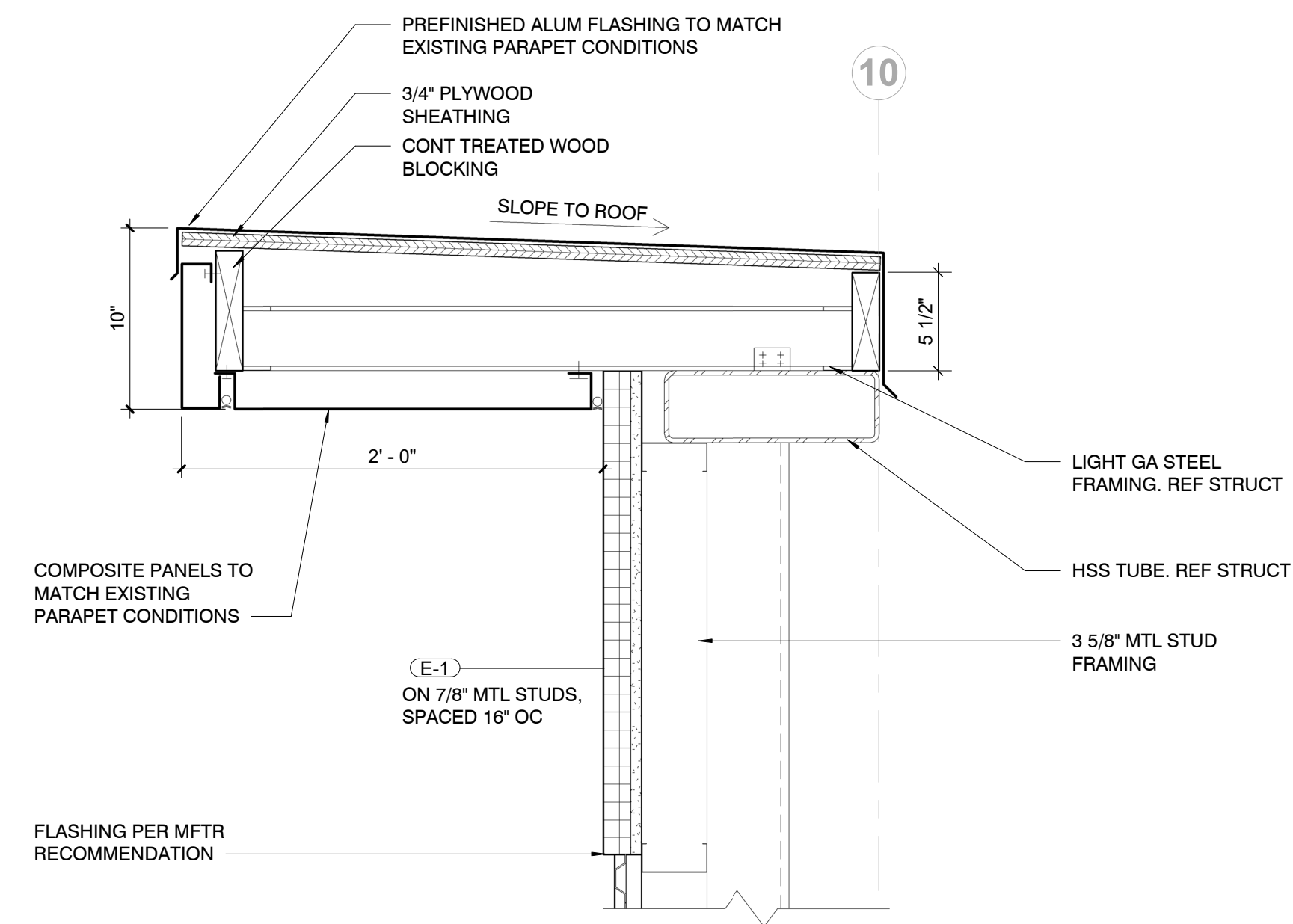
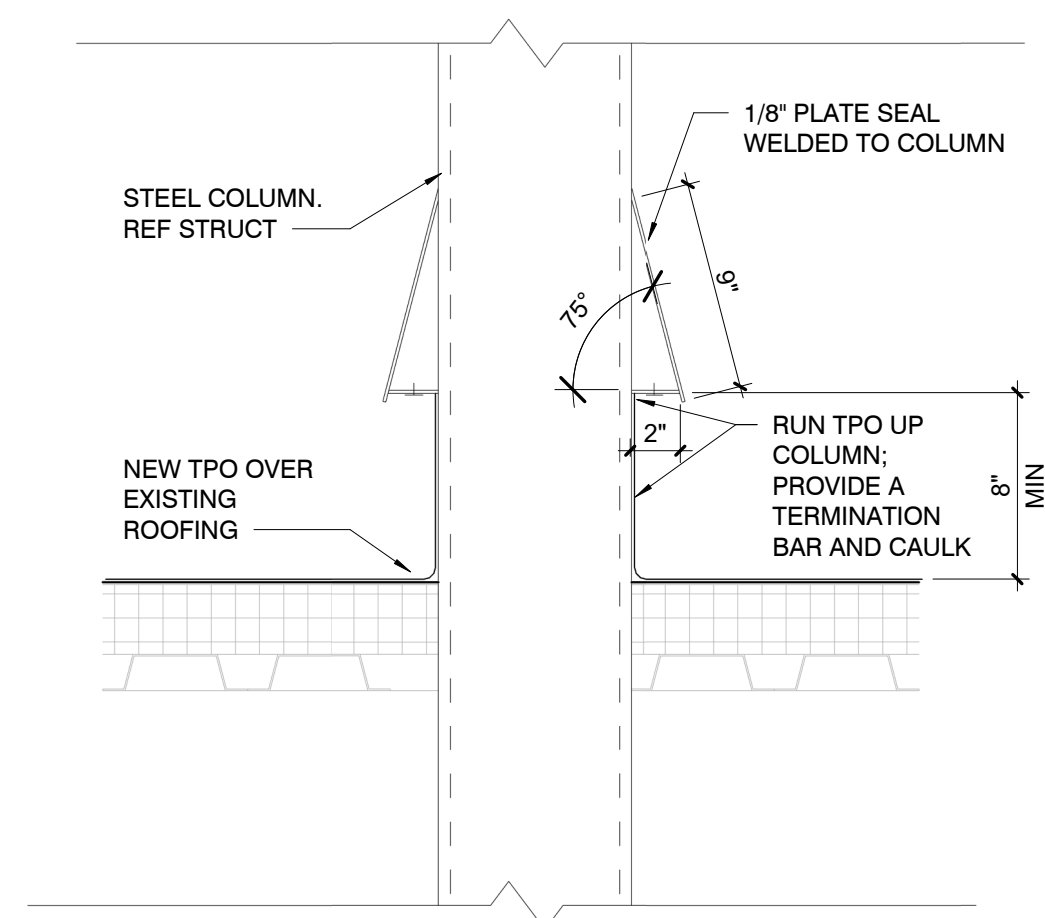
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WALL SECTIONS

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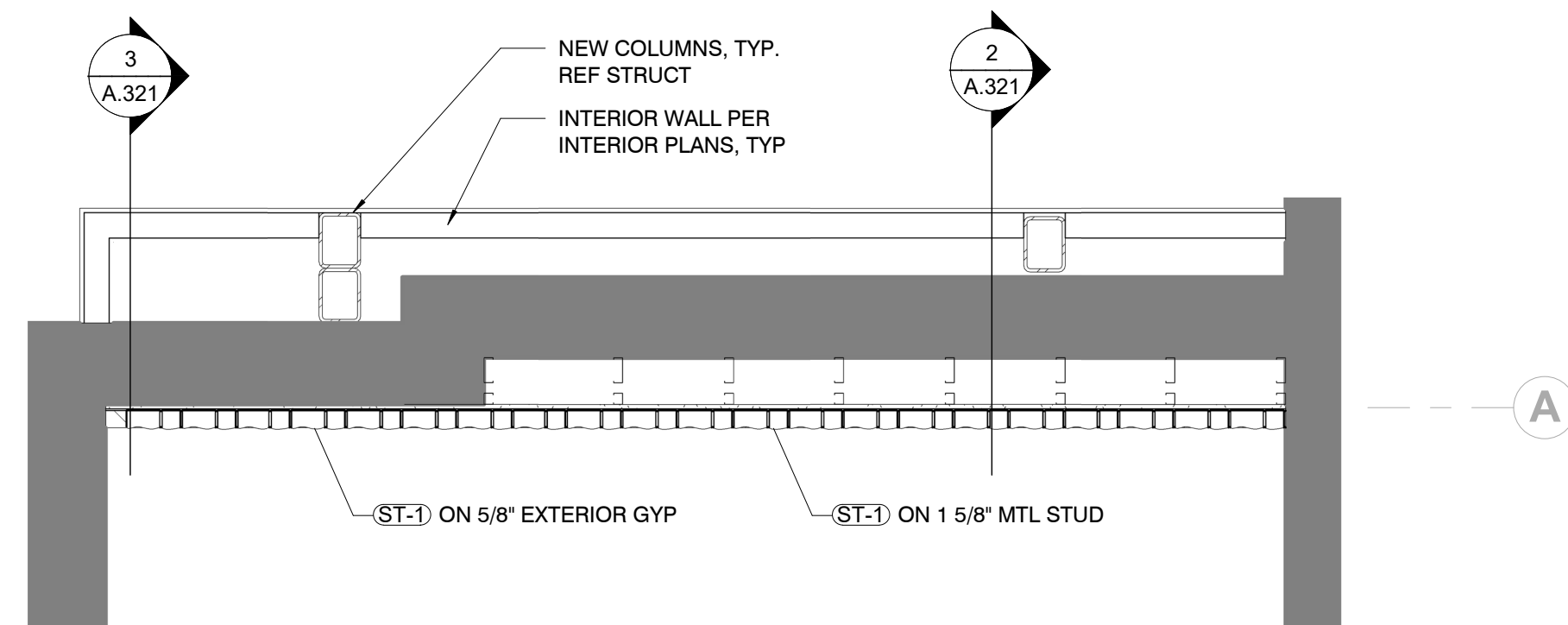
EXTERIOR DETAILS

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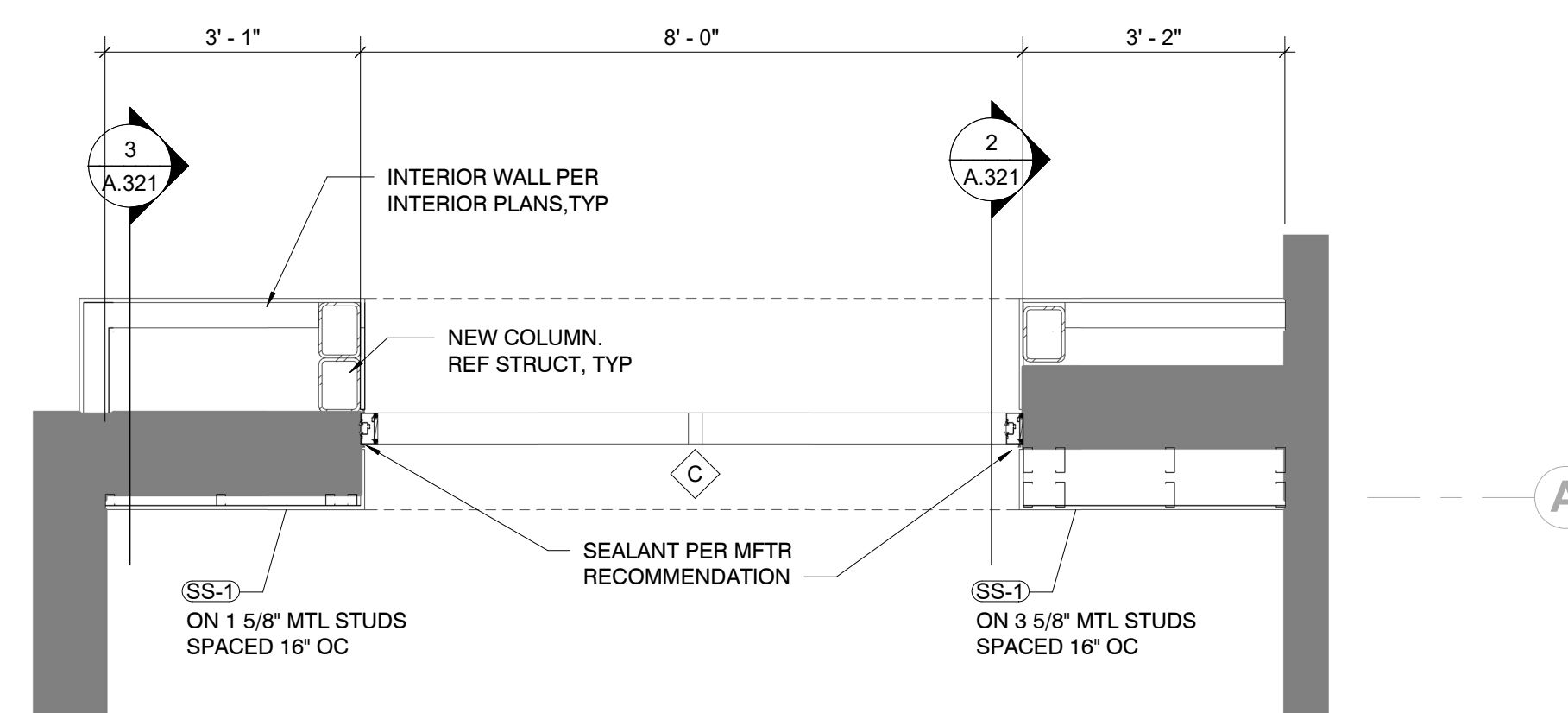
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6	TYP ROOF PENETRATION AT COLUMN
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1 1/2" = 1'-0"



4	PLAN DETAIL 2.2
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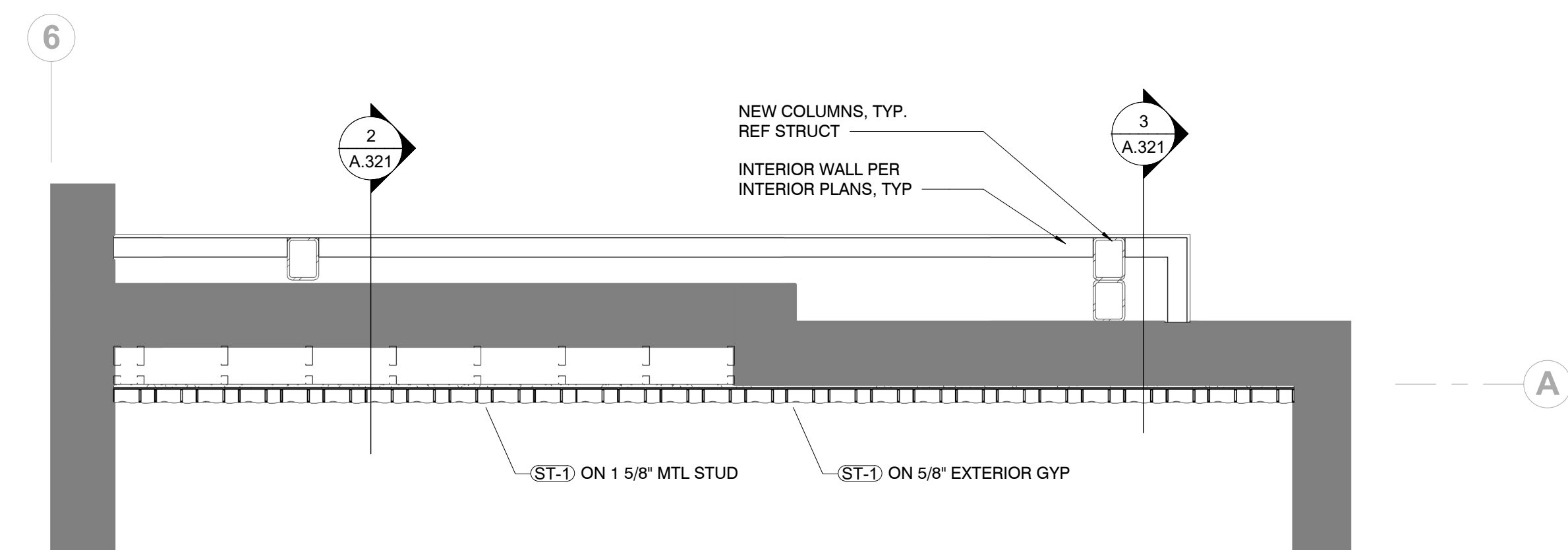
$$1/2'' = 1'-0''$$


3	PLAN DETAIL 2.1
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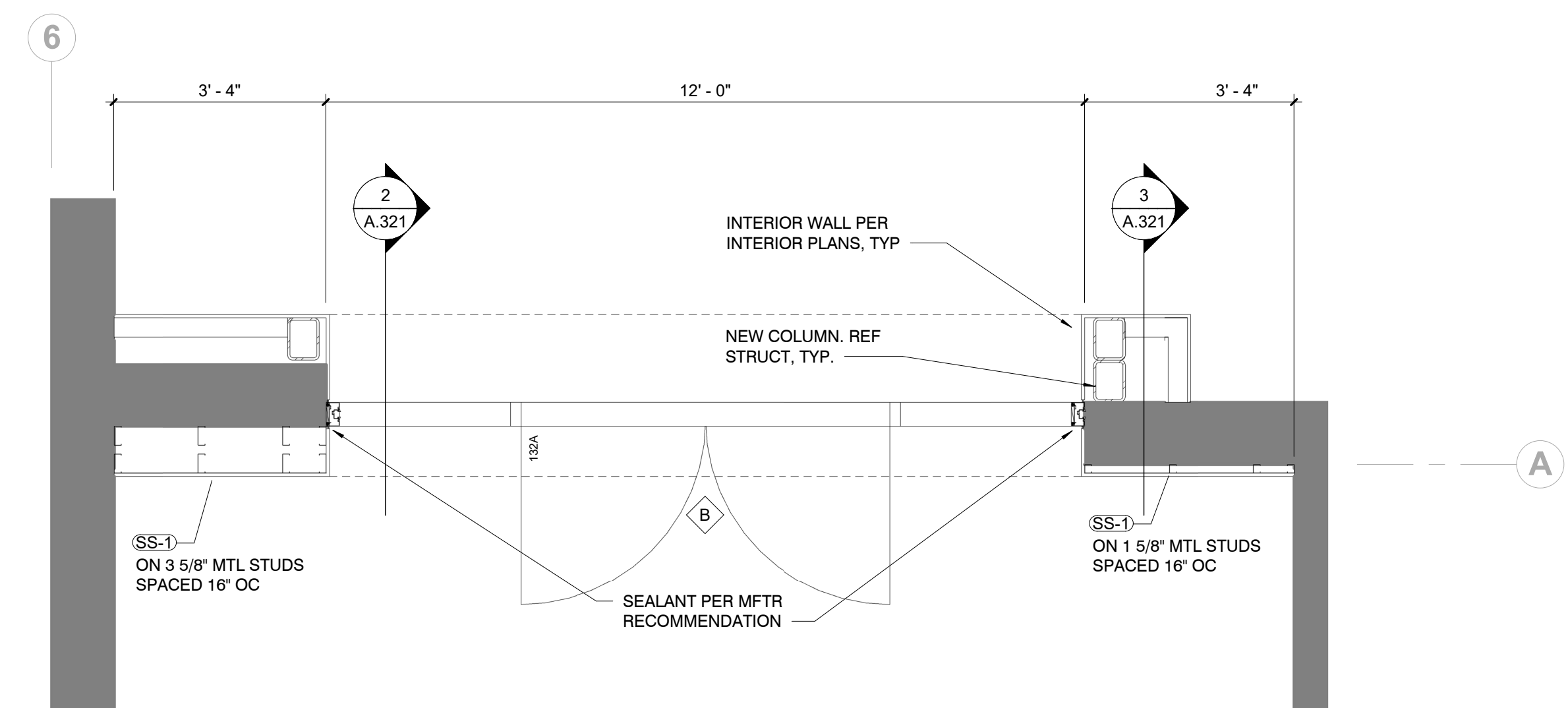
$$1/2'' = 1'-0''$$

5	PARAPET DETAIL
---	----------------

1 1/2" = 1'-0"

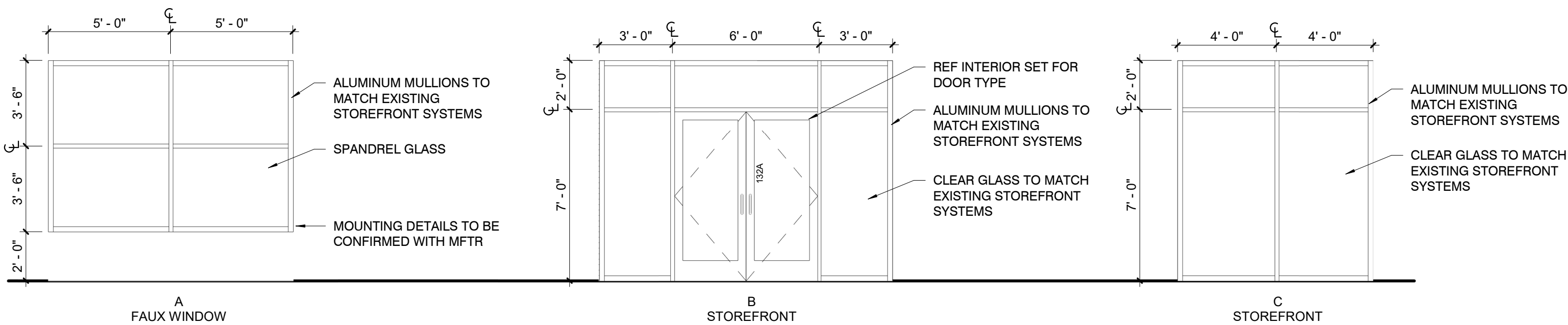


2	PLAN DETAIL 1.2
---	-----------------

$$1/2'' = 1'-0''$$


1	PLAN DETAIL 1.1
---	-----------------

$$1/2'' = 1'-0''$$



WINDOW TYPES

1/4" = 1'-0"

NOTES

1/4" = 1'-0"

GENERAL NOTES - WINDOW TYPES/ GLASS TYPES:

- 1. ALL DIMENSIONS ARE TO ROUGH OPENING AND TO TOP OR BOTTOM OF MULLION, UNLESS NOTED OR SHOWN OTHERWISE.
- 2. ALL OPENINGS ARE TO BE FIELD VERIFIED, AND NOTED AS SUCH ON SHOP DRAWINGS, PRIOR TO ARCHITECT'S REVIEW.
- 3. ALL GLAZING IN CODE SPECIFIED "HAZARDOUS LOCATIONS" (i.e. DOORS, SIDE LITES, ETC.) SHALL COMPLY WITH THE SAFETY GLAZING REQUIREMENTS AS OUTLINED IN SECTIONS 2406 AND 2406.3 OF THE IBC.



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WINDOW TYPES

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A.361