

PROGRESS SET

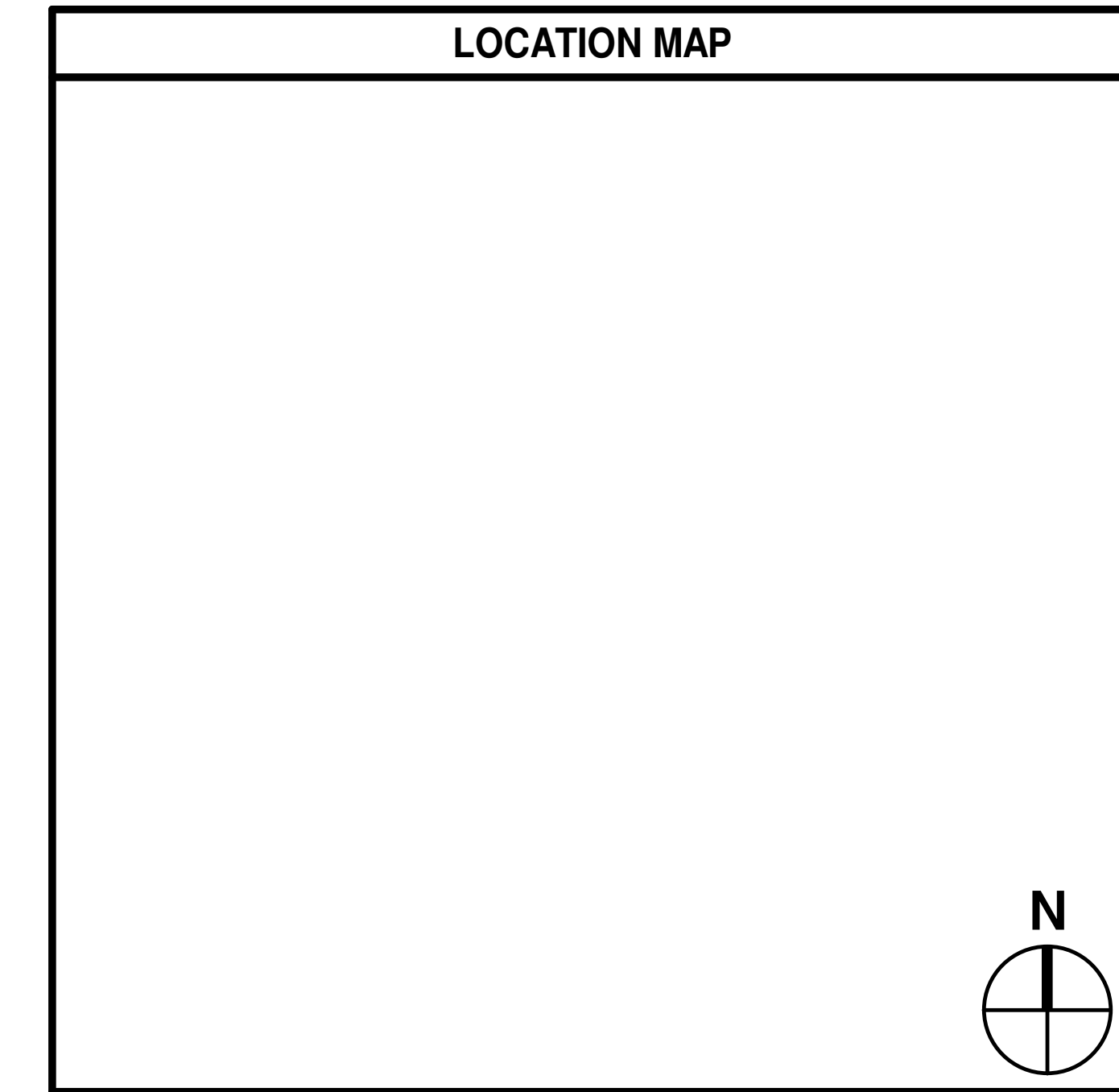
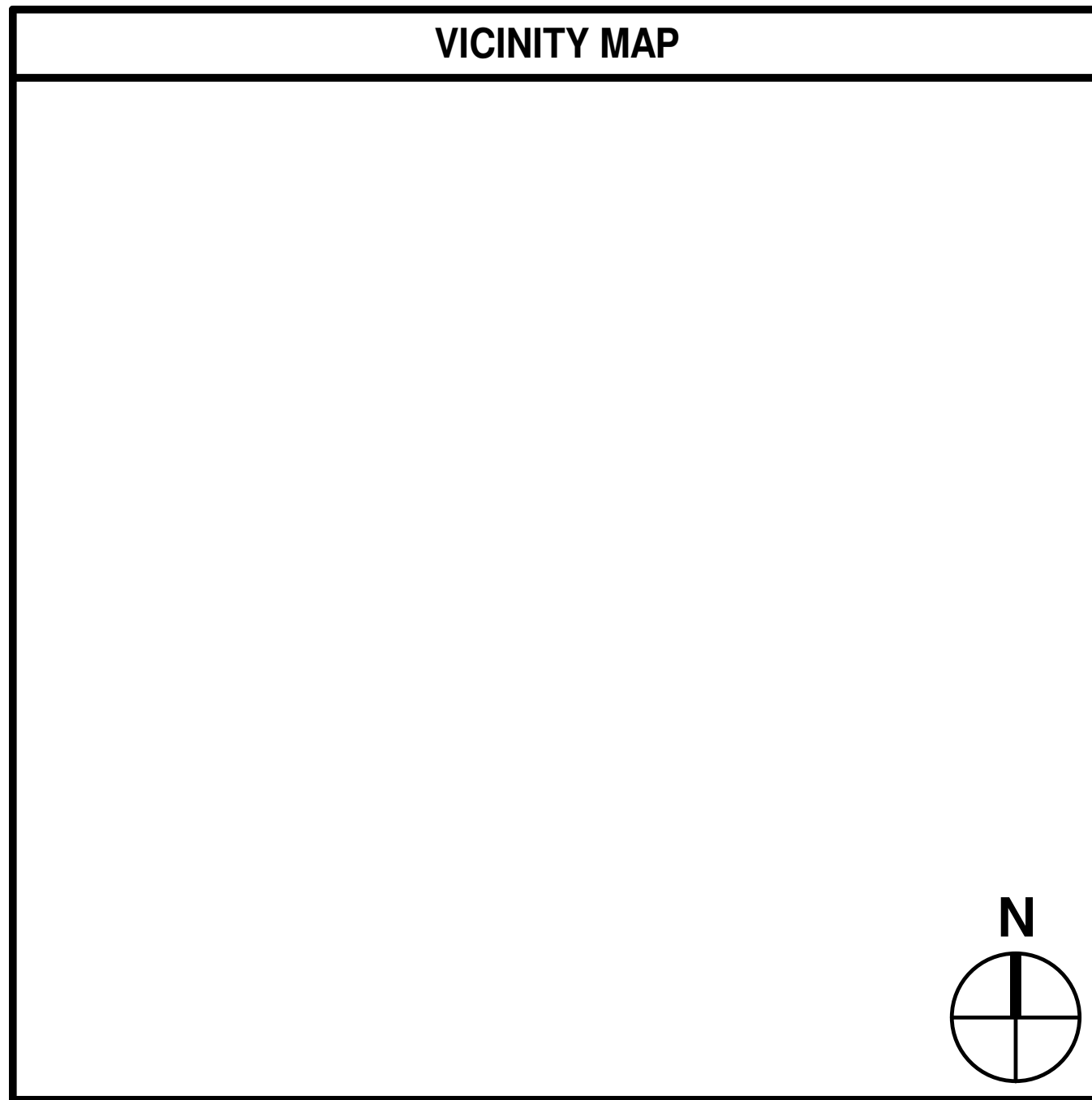
# GEORGETOWN COUNTY CORONER'S OFFICE

## GEORGETOWN COUNTY VOLUME 3

611315

**MOSELEY**ARCHITECTS

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PROGRESS  
PRINT NOT FOR  
CONSTRUCTION

**GEORGETOWN COUNTY CORONER'S OFFICE**  
611315  
**GEORGETOWN COUNTY**  
**GEORGETOWN, SOUTH CAROLINA**

PROJECT NO:	611315
DATE:	FEBRUARY 26, 2024
REVISIONS	
DATE	DESCRIPTION

**COVER -  
VOLUME 3**

THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL.  
IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.



SEE PROJECT MANUAL FOR COMPREHENSIVE LIST OF SPECIAL INSPECTIONS. STATEMENTS OF SPECIAL INSPECTIONS SHALL BE PREPARED IN ACCORDANCE WITH SECTION 1704.3

ADMINISTRATION TABLE with columns for APPLICABLE CODES, STANDARDS AND REFERENCES and YEAR. Lists codes like SOUTH CAROLINA BUILDING CODE, FIRE CODE, PLUMBING CODE, MECHANICAL CODE, FUEL AND GAS CODE, ELECTRICAL CODE (NFPA 70), and ENERGY CONSERVATION CODE (ENERGY STANDARD ACT).

BUILDING DATA TABLE with sections for BUILDING PROJECT TYPE, PRIMARY OCCUPANCY CLASSIFICATION, OTHER OCCUPANCIES CLASSIFICATION, SPECIAL USES (CHAPTER 4), CONSTRUCTION TYPE, SPRINKLERS, STANDPIPES, FIRE DISTRICT, SPECIAL INSPECTIONS REQUIRED, ACCESSORY OCCUPANCIES, INCIDENTAL USES, MIXED OCCUPANCY, SEPARATED MIXED USE, NON-SEPARATED MIXED USE, RISK CATEGORY, and SEISMIC DESIGN CATEGORY.

GROSS BUILDING AREA TABLE with columns for FLOOR, EXISTING (SQ. FT.), NEW (SQ. FT.), and SUBTOTAL. Includes a TOTAL row showing 3,202 SQ. FT.

ALLOWABLE AREA TABLE with columns for STORY LEVEL, DESCRIPTION AND USE, BUILDING AREA PER STORY, ALLOWABLE AREA FACTOR, AREA FRONTRAGE INCREASE, ALLOWABLE AREA PER STORY, and ALLOWABLE LARGER THAN ACTUAL.

1. Unlimited area applicable under conditions of Section 507. 2. Maximum Building Area = (total number of stories in the building) x (allowable area per story or unlimited)

ALLOWABLE HEIGHT TABLE with columns for BUILDING HEIGHT IN FEET, (ACTUAL), BUILDING HEIGHT IN STORIES, and CODE REFERENCE. Includes notes on code reference provided only if 'Shown on Plans'.

AREA DETERMINATION TABLE with columns for FULLY SPRINKLERED and MAXIMUM BUILDING AREA. Shows 161,954.75 SF.

FIRE RESISTANCE RATING OF BUILDING ELEMENTS TABLE with columns for BUILDING ELEMENT, CODE REFERENCE, and REQUIRED RATING. Lists elements like PRIMARY STRUCTURAL FRAME, EXTERIOR BEARING WALLS, INTERIOR BEARING WALLS, etc.

LIFE SAFETY PLAN TABLE with columns for LIFE SAFETY PLAN REQUIREMENTS and checkboxes for various safety features like FIRE AND/OR SMOKE RATED WALL LOCATIONS, EXTERIOR WALL OPENING WITH RESPECT TO DISTANCE TO ASSUMED PROPERTY LINES, etc.

SPECIAL INSPECTIONS TABLE with columns for ID, DESCRIPTION, and CODE REFERENCE. Includes items like GLASS UNIT MASONRY AND MASONRY VENEER IN RISK CATEGORY IV, ARCHITECTURAL COMPONENTS, ACCESS FLOORS, STORAGE RACKS, etc.

SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY

SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY TABLE with columns for ID, DESCRIPTION, and CODE REFERENCE. Includes items like MIXED OCCUPANCY SEPARATION (OPEN PARKING GARAGE), DOOR WIDTH, EXIT DISCHARGE, SALLYPORTS, SMOKE BARRIER, SMOKE COMPARTMENTS, SECURITY GLAZING, etc.

FIRE PROTECTIONS SYSTEMS

FIRE PROTECTIONS SYSTEMS TABLE with columns for ID, DESCRIPTION, and CODE REFERENCE. Includes items like GENERAL (AUTOMATIC SPRINKLER SYSTEMS), PORTABLE FIRE EXTINGUISHER DISTRIBUTION, PORTABLE FIRE EXTINGUISHER CABINETS, etc.

FIRE RESISTANCE RATED CONSTRUCTION TABLE with columns for ID, DESCRIPTION, and CODE REFERENCE. Includes items like ANALYTICAL METHODS FOR DETERMINING FIRE RESISTANCE, MAXIMUM AREA OF EXTERIOR WALL OPENINGS, SUPPORTING CONSTRUCTION (FIRE BARRIERS), etc.

INTERIOR FINISHES

INTERIOR FINISHES TABLE with columns for ID, DESCRIPTION, and CODE REFERENCE. Includes items like FOAM PLASTICS, CLASS, FLAME SPREAD, SMOKE DEVELOPED, INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY, etc.

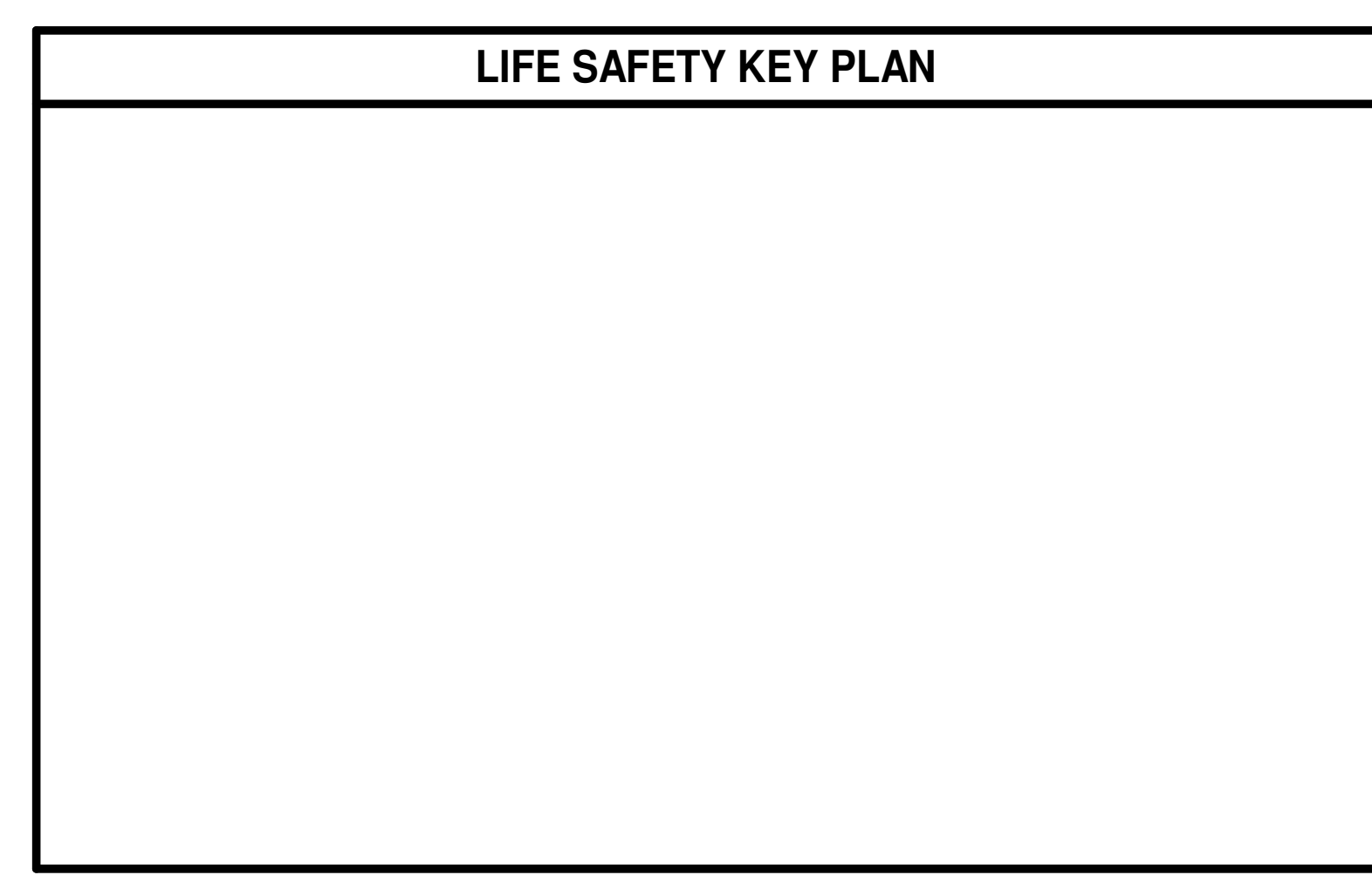
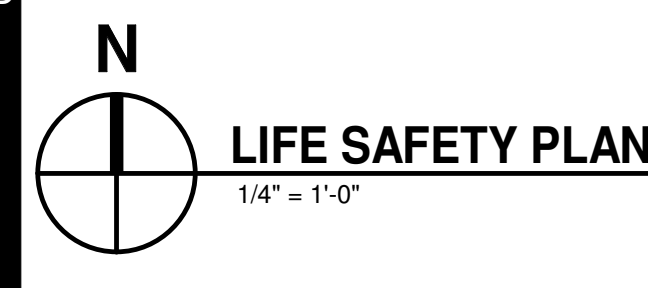
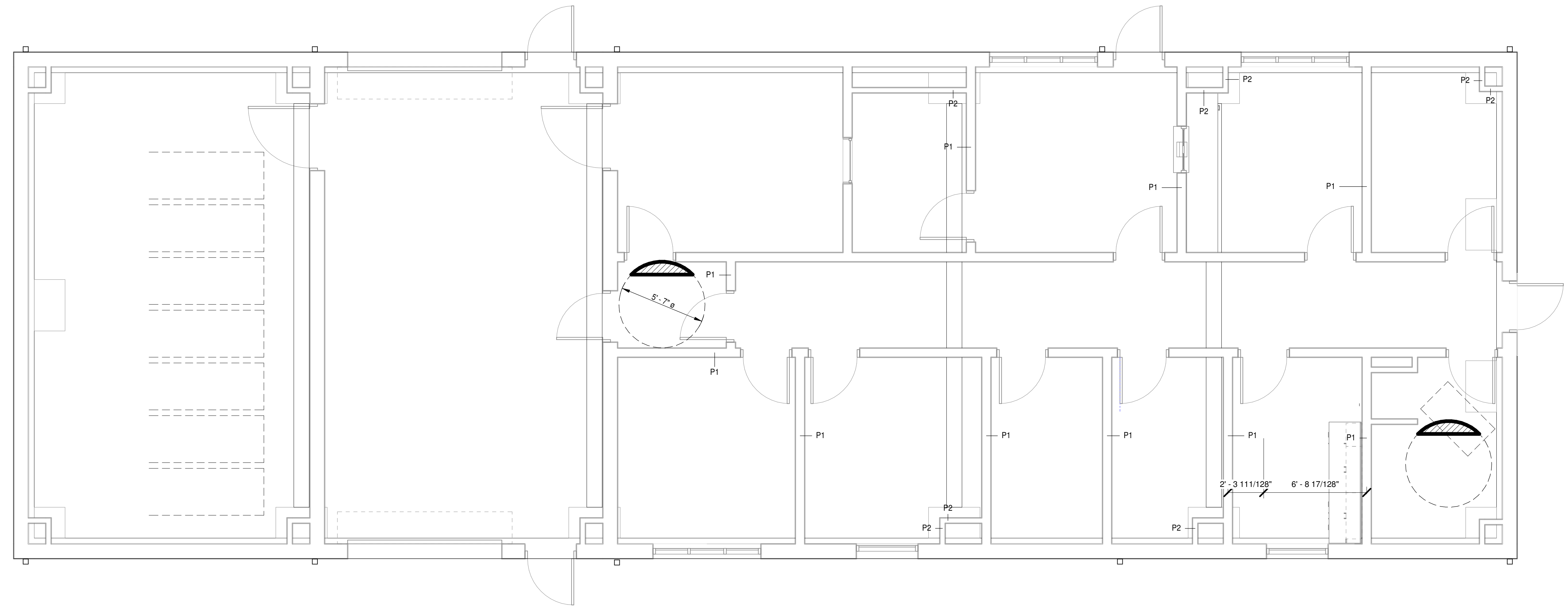
MEANS OF EGRESS TABLE with columns for ID, DESCRIPTION, and CODE REFERENCE. Includes items like ELEVATION CHANGE, DESIGN OCCUPANT LOAD, AREAS WITHOUT FIXED SEATING, POSTING OF OCCUPANT LOAD, etc.

PLUMBING FIXTURES TABLE with columns for USE, WATER CLOSETS, URINALS, LAVATORIES, SHOWERS, MOP SINK, and DRINK. FTS. Includes notes on S.C. Building Codes Council approval and exceptions.

REVISIONS TABLE with columns for DATE and DESCRIPTION.



DATE	REVISIONS	DESCRIPTION



LIFE SAFETY SYMBOL LEGEND			
APPLIES TO LS SERIES OF DRAWINGS ONLY			
DESIGNATOR MATRIX		SYMBOLS	
	WALL	BARRIER	PARTITION
4 HR FIRE	▲▲▲▲	□□□□	■
3 HR FIRE	▶▶▶▶	◆◆◆◆	▨
2 HR FIRE	***	◆◆◆◆	▨
1 HR FIRE	▶▶▶▶	◆◆◆◆	▨
1/2 HR FIRE	▶▶▶▶	◆◆◆◆	▨
SMOKE	▲▲▲▲	◆◆◆◆	▨
SMOKE-TIGHT		◆◆◆◆	▨
INCIDENTAL		◆◆◆◆	▨
NOTES: 1. WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL WALL/PARTITION CONSTRUCTION. 2. REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS. 3. RATING OF BEARING OR NON-BEARING WALLS ARE PER TABLE 601 AND SECTION 602.1 AND DO NOT REQUIRE PROTECTED OPENINGS.			
DOUBLE FIRE WALL 1/2" - RATING IN HOURS   DF - DOUBLE FIRE WALL ■■■■■			
NOTE: RATINGS MAY VARY. REFER TO A0.2 FOR ACTUAL RATINGS OF FIRE WALLS COMPOSING THE DOUBLE FIRE WALLS.			
1205 ROOM NUMBER 798 1280 DIRECTION OF EGRESS EGRESS LOAD CAPACITY NUMBER OF OCCUPANTS 798 1280 DIRECTION OF EGRESS EGRESS LOAD CAPACITY NUMBER OF OCCUPANTS XXX'X' MAXIMUM TRAVEL DISTANCE XXX'X' COMMON PATH OF TRAVEL CPOT ◆ FIRE EXTINGUISHER CABINET ● FIRE EXTINGUISHER BRACKET ▨ EXTENT OF SPRAYED-ON/APPLIED FIRE PROOFING ▨ EXTENT OF SMOKE COMPARTMENT ▨ EXTENT OF FLOOR / CEILING AND/OR ROOF / CEILING ASSEMBLY 3 BUILDING NUMBER		1205 ROOM NUMBER 798 1280 DIRECTION OF EGRESS EGRESS LOAD CAPACITY NUMBER OF OCCUPANTS 798 1280 DIRECTION OF EGRESS EGRESS LOAD CAPACITY NUMBER OF OCCUPANTS XXX'X' MAXIMUM TRAVEL DISTANCE XXX'X' COMMON PATH OF TRAVEL CPOT ◆ FIRE EXTINGUISHER CABINET ● FIRE EXTINGUISHER BRACKET ▨ EXTENT OF SPRAYED-ON/APPLIED FIRE PROOFING ▨ EXTENT OF SMOKE COMPARTMENT ▨ EXTENT OF FLOOR / CEILING AND/OR ROOF / CEILING ASSEMBLY 3 BUILDING NUMBER	

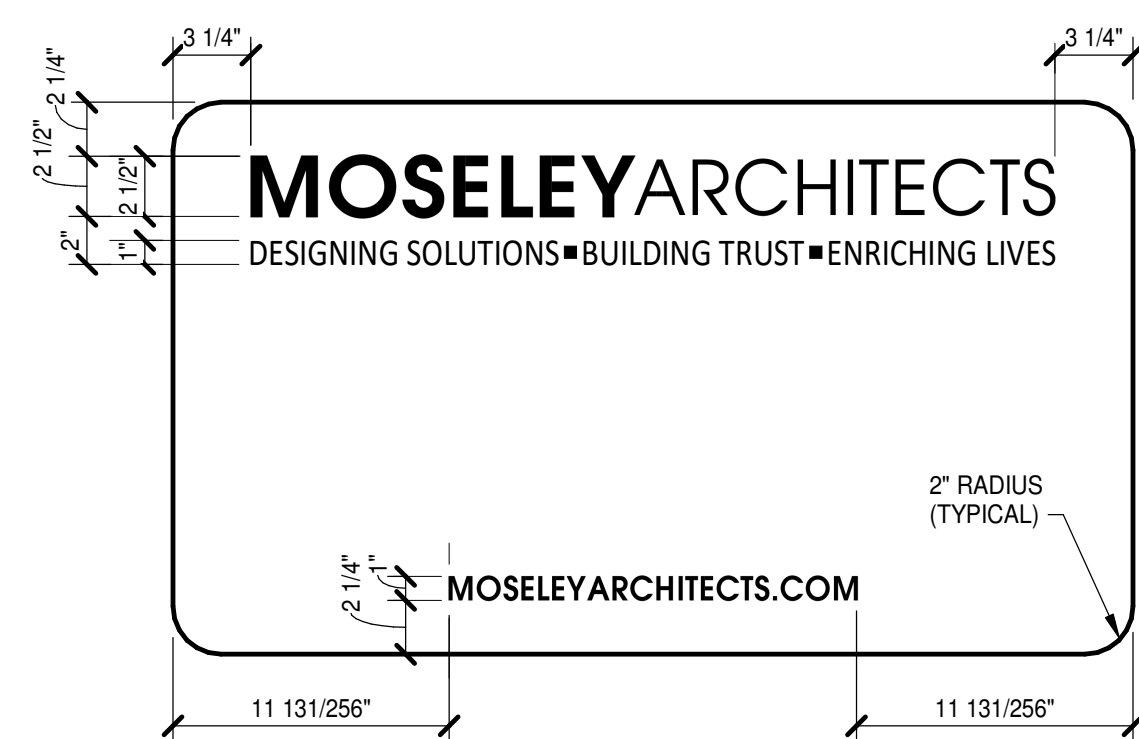
FIRE RATED ASSEMBLIES				
REPRESENTED BY (Xn)				
THE ASSEMBLIES REFERENCED ARE BASIS OF DESIGN; EQUIVALENT COMPATIBLE TESTED ASSEMBLIES WILL BE ACCEPTABLE IF APPROVED BY THE LAHJ				
MARK	FIRE RATING	APPLIES TO	REFERENCE	REMARKS
Xn	-		-	-
Xn	-		-	-
Xn	-		-	-
Xn	-		-	-



# GEORGETOWN COUNTY CORONER'S OFFICE

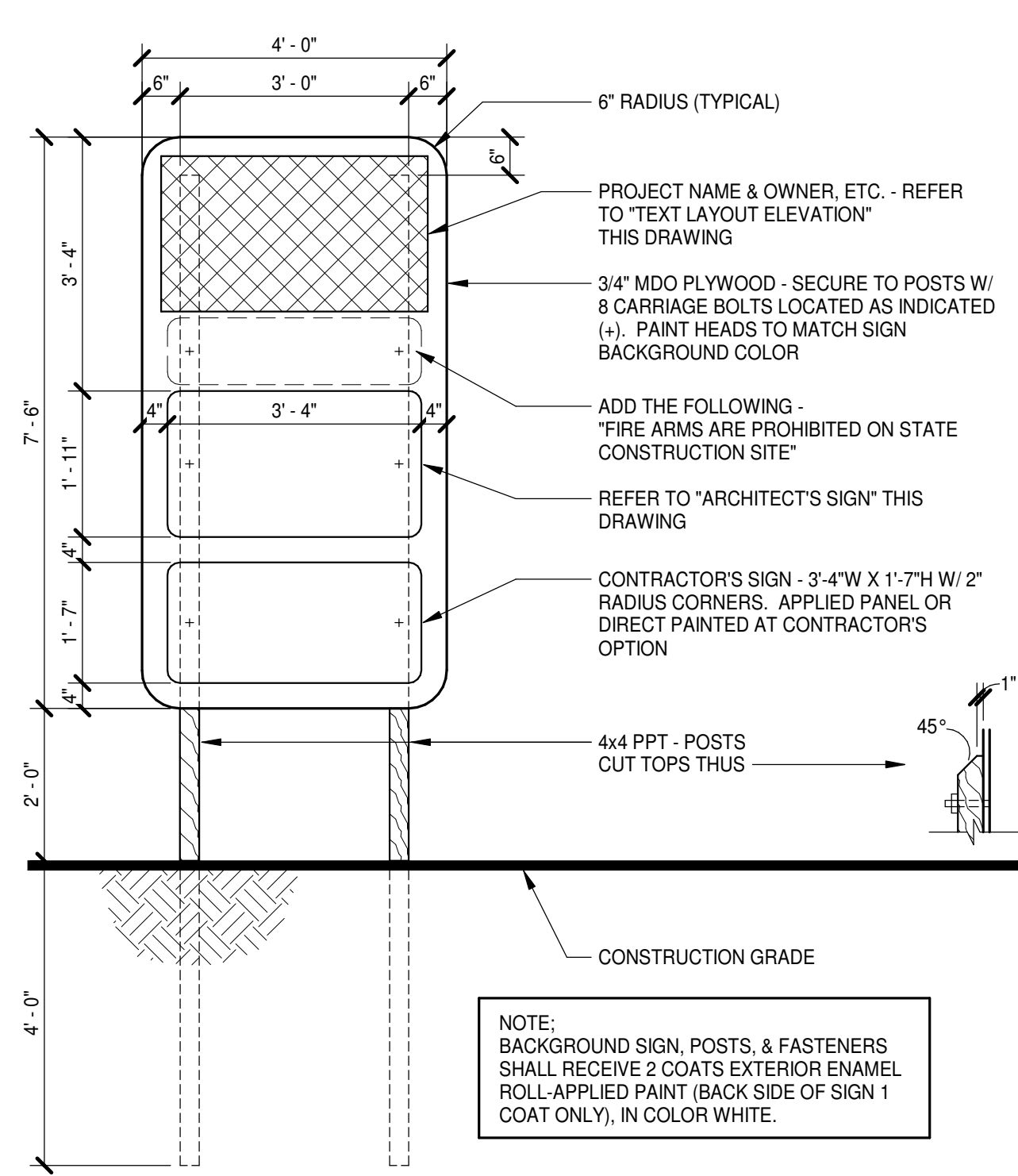
GENERAL NOTE: SIGN BACKGROUND SHALL BE PAINTED WHITE, TEXT SHALL BE PAINTED TO MATCH PANTONE 432 (GRAY). REFER TO 'ARCHITECT'S SIGN' THIS DRAWING

### TEXT LAYOUT ELEVATION



SIZE: 1'-11\"/>

### ARCHITECT'S SIGN



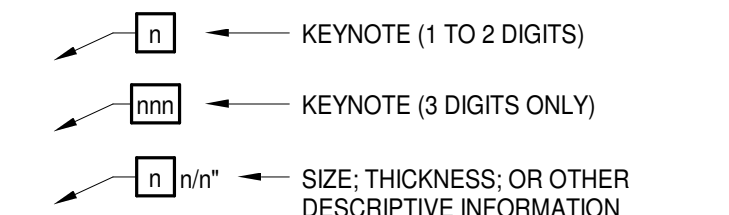
### PROJECT SIGN ELEVATION

NOTE: BACKGROUND SIGN, POSTS, & FASTENERS SHALL RECEIVE 2 COATS EXTERIOR ENAMEL ROLL-APPLIED PAINT (BACK SIDE OF SIGN 1 COAT ONLY), IN COLOR WHITE.

### ARCHITECTURAL ABBREVIATIONS

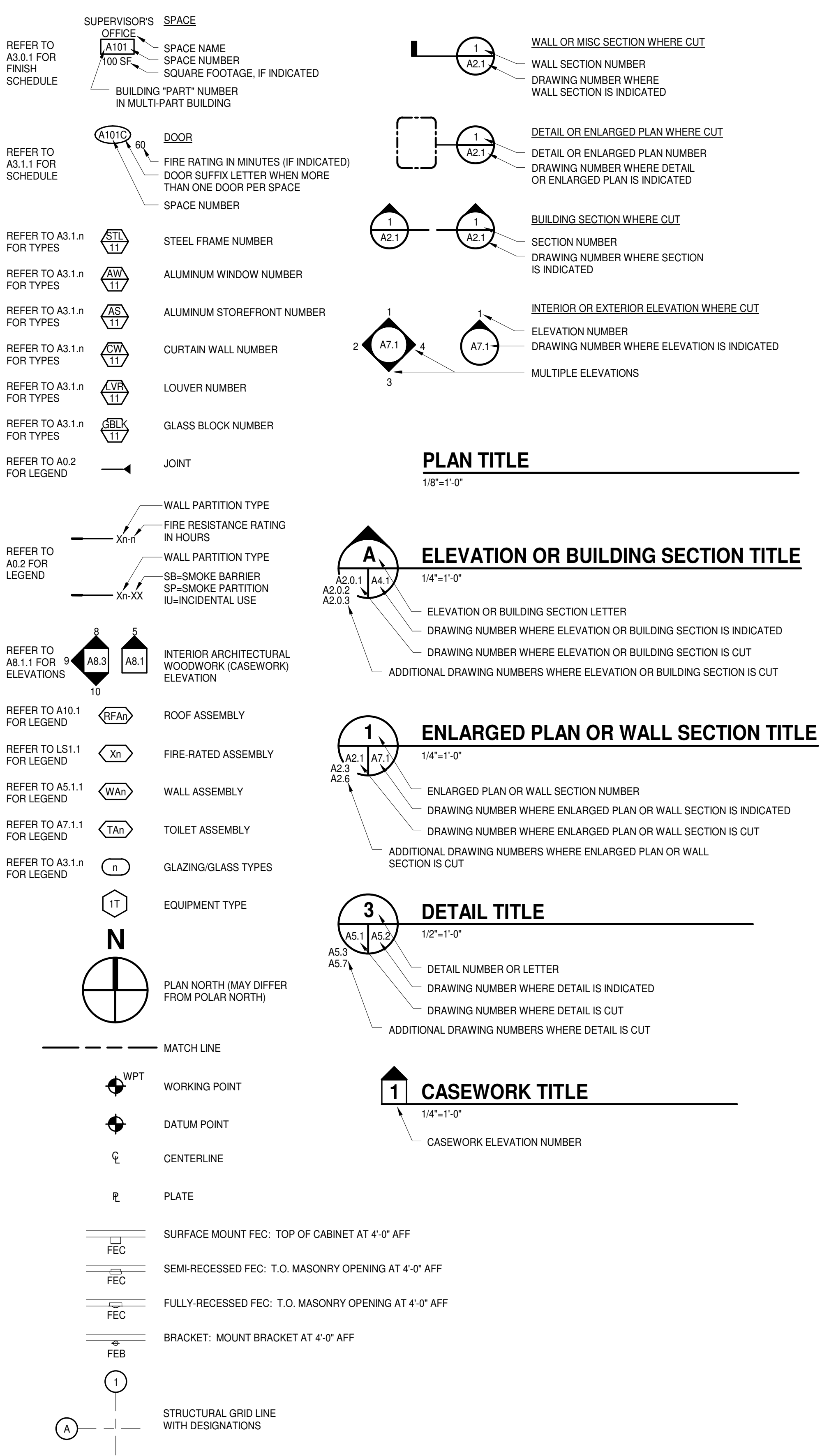
A-PT	ACCENT PAINT	H	HIGH	T	TREAD
ABS	AIR BARRIER SYSTEM	HB	HOSE BIBB	T&G	TONGUE & GROOVE
ABV	ABOVE	HDB	HARDBOARD	T.O.	TOP OF
ACD	ACOUSTICAL CEILING PANEL	HDC	HOLD DOWN CLIPS	TACKBOARD	TACKBOARD
ACF	ACOUSTICAL CEILING TILE	HDR	HARDNER	TEL	TELEPHONE
ACW	ALUMINUM CLAD WINDOW	HDWD	HARDWOOD	TERR-C	TERRAZZO CEMENTITIOUS
ADJ	ADJUSTABLE	HDWR	HARDWARE	TERR-E	TERRAZZO EPOXY
AFF	ABOVE FINISHED FLOOR	HM	HOLLOW METAL	TERR-R	TERRAZZO RUBBERIZED
AJU	AUTHORITY HAVING JURISDICTION	HORIZ	HORIZONTAL	THRD	THRESHOLD
AJU	AIR HANDLING UNIT	HPC	HIGH PERFORMANCE COATINGS	THK	THICKNESS, THICK
ALT	ALTERNATE	HPPF	HIGH PERFORMANCE FLOOR PAINT	TOS	TOP OF STEEL
ALUM	ALUMINUM	HT	HEIGHT	TOW	TOP OF WALL
AP	ACCESS PANEL	HVAC	HEATING, VENTILATING, AIR CONDITIONING	TS	TACK STRIP
APC	ARCHITECTURAL PRECAST CONCRETE	ID	INSIDE DIAMETER	TV	TELEVISION
ARC	ARLUSE RESISTANT COATING	IN	INCH, INCHES	TYP	TYPICAL
AS	ALUMINUM STOREFRONT	INCL	INCLUDE, INCLUDING	UG	UNDERCUT
AUTO	AUTOMATIC	INFO	INFORMATION	UC	UNDERGROUND
AVG	AVERAGE	INST	INSTALLATION	UH	UNIT HEATER
AW	ALUMINUM WINDOW	INSUL	INSULATION	UNO	UNLESS NOTED (INDICATED) OTHERWISE
AWC	ACOUSTICAL WALL COVERING	INT	INTERIOR	VAT	VINYL ASBESTOS TILE
AWP	ACOUSTICAL WALL PANEL	IRWC	IMPACT RESISTANT WALL COVERING	VB	VAPOR BARRIER
BD	BOARD	IWB	INTERACTIVE WHITE BOARD	VCT	VINYL COMPOSITION TILE
BF	BARRIER FREE (ADA or A117.1)	JAN	JANITOR	VDB	VISUAL DISPLAY BOARD
BLDG	BUILDING	JCT	JUNCTION	VERT	VERTICAL
BLKG	BLOCKING	JT	JOINT	VEST	VESTIBULE
BOT	BOTTOM	L	LENGTH/LONG	VFCF	VINYL FREE COMPOSITION TILE
BRG	BEARING	LAB	LABORATORY	VFWC	VINYL FREE WALL COVERING
BTWN	BETWEEN	LAHJ	LOCAL AUTHORITY HAVING JURISDICTION	VR	VAPOR RETARDER
BUR	BUILT UP ROOF	LAM	LAMINATE	VTR	VINYL TILE
C	CARPET	LAV	LAVATORY	VT	VENT THROUGH ROOF
C-TILE	CARPET TILE	LH	LEFT HAND	VWC	VINYL WALL COVERING
CAB	CABINET	LIN	LINOLEUM	W	WIDE, WIDTH
CAB	CHARCABARD	LKR	LOOKER	WI	WITH
CCP	CLOSED CIRCUIT TELEVISION	LMC	LINEAR METAL CEILING	WO	WITHOUT
CEM	CEMENT	LPS	LAMINATE PANEL SYSTEM	WC	WATER CLOSET
CFSF-S	COLD FORMED STEEL FRAMING, NON-STRUCTURAL	LT	LIGHT	WCP	WOOD CEILING PANEL
CFSF-S	COLD FORMED STEEL FRAMING, STRUCTURAL	LVR	LOUVER	WO	WOOD
CG	CONCRETE - POLISHED	M	METER	WOW	WINDOW
CI	CONTINUOUS INSULATION	MACH	MACHINE	WP	WATERPROOFING
CIPC	CAST IN PLACE CONCRETE	MAS	MASONRY	WPT	WORKING POINT
CJ	CONTROL JOINT	MATL	MATERIAL	WSCP	WAINSCOT
CL	CLOSET	MAX	MAXIMUM	WSF	WOOD SPORTS FLOORING
CLG	CEILING	MB	MARKERBOARD	WT	WEIGHT
CLR	CLEAR	MC	METAL COMPOSITE MATERIAL	WWF	WELDED WIRE FABRIC
CM	CENTIMETER	MCP	METAL CEILING PANEL	XPS	EXTRUDED POLYSTYRENE
CMBD	CEMENT BOARD	MDO	MEDIUM DENSITY OVERLAY		
CMU	CONCRETE MASONRY UNIT	MECH	MECHANICAL		
CMU-A	CONCRETE MASONRY UNIT - ACOUSTICAL	MED	MEDIUM		
CMU-GF	CONCRETE MASONRY UNIT - GROUND FACE	MEMB	MEMBRANE		
CMU-GLZ	CONCRETE MASONRY UNIT - GLAZED	MFR	MANUFACTURER		
CMU-SPLF	CONCRETE MASONRY UNIT - SPLIT FACE	MIF	MULTICOLOR INTERIOR FINISHING		
CO	CLEANOUT	MIN	MINIMUM		
COL	COLUMN	MIR	MIRROR		
CONC	CONCRETE	MISC	MISCELLANEOUS		
CONC-LH	CONCRETE WITH LIQUID HARDENER/SEALER	MLDG	MOLDING		
CONC-PMT	CONCRETE WITH PIGMENT	MO	MASONRY OPENING		
CONC-POL	CONCRETE - POLISHED	MPS	MANUAL PROJECTION SCREEN		
CONC-SLR	CONCRETE WITH CURE & SEAL	MR	MAP RAIL		
CONC-ST	CONCRETE WITH STAIN	MT	MOUNT		
CONST	CONSTRUCTION	MTD	MOUNTED		
CONT	CONTINUOUS	MTL	METAL		
CONTR	CONTRACTOR	NA	NOT APPLICABLE		
CORR	CORRIDOR	NC	NOT IN CONTRACT		
CSMU	CAST STONE MASONRY UNIT	NO	NUMBER		
CT	CERAMIC TILE	NOM	NOMINAL		
CTSK	COUNTERSINK, COUNTERSUNK	NRC	NOISE REDUCTION COEFFICIENT		
CU	CUBIC FEET / FOOT	NTS	NOT TO SCALE		
CUST	CUSTODIAN / CUSTODIAL	OC	ON CENTER		
CW	ALUMINUM CURTAIN WALL	OD	OUTSIDE DIAMETER		
CWFD	CEMENTITIOUS WOOD FIBER DECK	OFI	OWNER FURNISHED CONTRACTOR INSTALLED		
D	DEPTH/DEEP	OPNG	OPENING		
DBL	DOUBLE	OPHD	OPPOSITE HAND		
DEMO	DEMOLITION	OVHD	OVERHEAD		
DETE	DETENTION	P-TILE	PORCELAIN TILE		
DF	DRINKING FOUNTAIN	PC	PRECAST		
DG	DEFLECTED	PERF	PERFORATED, PERFORATION(S)		
DHM	DETENTION HOLLOW METAL	PERIM	PERIMETER		
DIA	DIAMETER	PIP	POURED IN PLACE		
DIAG	DIAGONAL	PLAM	PLASTIC LAMINATE		
DIM	DIMENSION	PLAS	PLASTER		
DIV	DIVISION	PLWD	PLASTIC LAMINATE WOOD		
DL	DOOR LOUVER	PLYWD	PLYWOOD		
DN	DOWN	PNL	PANEL, PANELING		
DP	DAMP/PROOFING	POLY	POLYETHYLENE		
DR	DISPLAY RAIL	PPS	POWER PROJECTION SCREEN		
DR	DOWNSPOUT	PPR	PRESSURE OR PRESERVATIVE-TREATED		
DTL	DETAIL	PR	PAIR		
DWG	DRAWING	PREFAB	PREFABRICATED		
DWR	DRAWER	PREFIN	PREFINISHED		
EA	EACH	PREP	PREPARE / PREPARATION		
EF	EXHAUST FAN	PS	PROJECTION SCREEN		
EFS	EXTERIOR FINISH SYSTEM	PSB	PENCIL SHARPENER BLOCK		
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	PSF	POUNDS PER SQUARE FOOT		
EJ	EXPANSION JOINT	PSI	POUNDS PER SQUARE INCH		
ELEV	ELEVATION	PT	PAINT		
ELAS	ELASTOMERIC	PTN	PARTITION		
ELEC	ELECTRICAL	PTS	PNEUMATIC TUBE SYSTEM		
ELEV	ELEVATOR	PVC	POLYVINYL CHLORIDE		
EMER	EMERGENCY	PVMT	PAVEMENT		
EMER	EMERGENCY BRACKET	PVMC	PREPARED VINYL WALL COVERING		
EPX	EXPOSED POLYSTYRENE	OSM	QUARTZ SURFACING MATERIAL		
EQ	EQUAL	OT	QUARRY TILE		
EQUIP	EQUIPMENT	QTY	QUANTITY		
ETR	EXISTING TO REMAIN	R	RISER, RADIUS		
EW	ELECTRIC WATER COOLER	R	RIGHT OF WAY		
EX	EXISTING	RAD	RADIUS		
EXH	EXHAUST	RAF	RESILIENT ATHLETIC FLOORING		
EXP	EXPANSION	RB	RESILIENT BASE		
EXPC	EXPOSED CONSTRUCTION	RCP	REFLECTED CEILING PLAN		
EXT	EXTERIOR	RD	ROOF DRAIN		
FAAF	FLUID APPLIED ATHLETIC FLOORING	REFG	REFRIGERATOR		
FD	FLOOR DRAIN	REINF	REINFORCING, REINFORCE(D)		
FE	FIRE EXTINGUISHER	REM	RECESSED ENTRY MAT		
FEB	FIRE EXTINGUISHER BRACKET	REQD	REQUIRED		
FEC	FIRE EXTINGUISHER CABINET	RES	RESINOUS FLOORING		
FF	FINISHED FLOOR	RFT	RUBBER FLOOR TILE		
FGL	FIBERGLASS	RH	RIGHT HAND		
FH	FIRE HYDRANT	RL	RAIN LEADER		
FHC	FIRE HOSE CABINET	ROOM	ROOM		
FHVC	FIRE HOSE VALVE CABINET	RO	ROUGH OPENING		
FN	FINISHED	RSF	RUBBER SHEET FLOORING		
FLR	FLOOR	RSR	RESILIENT STAIR RISER		
FLRG	FLOORING	RST	RESILIENT STAIR TREAD		
FND	FOUNDATION	RT	RIGHT		
FO	FACE OF	RTU	ROOF TOP UNIT		
FRM	FRAME	SAB	SOUND ATTENUATION BLANKET		
FRP	FIBERGLASS REINFORCED PLASTIC	SC-PLK	SECURITY CEILING PLANK		
FRT	FIRE RETARDANT TREATED	SC-PNL	SECURITY CEILING PANEL		
FT	FOOT, FEET	SCH	SCHEDULE		
FTG	FOOTING	SF	SQUARE FEET / FOOT		
FURN	FURNITURE	SFRM	SPRAYED FIRE RESISTANT MATERIAL		
FVC	FIRE VALVE CABINET	SHM	SECURITY HOLLOW METAL		
FWC	FABRIC WALL COVERING	SHTG	SHEATHING		
G	GAUGE	SM	SIMILAR		
GAL	GALLON	SPEC	SPECIFICATION		
GALV	GALVANIZED	SPF	SPRAYED POLYURETHANE FOAM		
GB	GYP/SUM BOARD	SPR	SPRINKLER		
GB-AR	GYP/SUM BOARD - ARBUSE RESISTANT	SQ	SQUARE		
GB-IR	GYP/SUM BOARD - IMPACT RESISTANT	SQ FT	SQUARE FEET / FOOT		
GB-S	GYP/SUM BOARD - SECURITY	SRD	SECONDARY ROOF DRAIN		
GFRC	GLASS FIBER REINFORCED CONCRETE	SS	STAINLESS STEEL		
GFRG	GLASS FIBER REINFORCED GYP/SUM	SSM	SOLID SURFACE MATERIAL		
GL	GLASS, GLAZING	ST	STREET		
GL-BLK	GLASS BLOCK	STC	SOUND TRANSMISSION COEFFICIENT STANDARD		
GPM	GALLONS PER MINUTE	STD	STANDARD		
GRT	GROUT	STL	STEEL		
GSFT	GLAZED STRUCTURAL FACING TILE	STRUCT	STRUCTURAL		
GT	GLASS TILE	SUSP	SUSPENDED		
GWT	GLAZED WALL TILE	SV	SHEET VINYL		
GYP	GYP/SUM	SWM	SECURITY WOVEN MESH / WOVEN ROOD		
		SYM	SYMMETRICAL		

### KEYNOTES



1. KEYNOTES ARE GENERALLY ASSOCIATED WITH A SERIES OF DRAWINGS (e.g., A3.2.n, A5.1.n); THEREFORE KEYNOTE NUMBERS FROM SERIES TO SERIES WILL VARY (i.e., KEYNOTE NO. 1 IN THE A3.2.n SERIES WILL BE DIFFERENT FROM KEYNOTE NO. 1 IN THE A5.1.n SERIES).

### ARCHITECTURAL GRAPHIC SYMBOL LEGEND



### ARCHITECTURAL GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. ELEMENTS THAT ARE IDENTIFIED BY OTHER DISCIPLINES (e.g., CIVIL, STRUCTURAL, PLUMBING, FIRE PROTECTION, MECHANICAL, ELECTRICAL) ELSEWHERE WITHIN THE ARCHITECTURAL SERIES OF DRAWINGS AND/OR SPECIFICATIONS, OR IDENTIFIED OR COVERED BY DEFAULTS (e.g., SIZES, THICKNESS, SPACING, MATERIALS) IN THE SPECIFICATIONS MAY NOT BE ANNOTATED (NOTE OR KEYNOTED) ON THESE DRAWINGS.

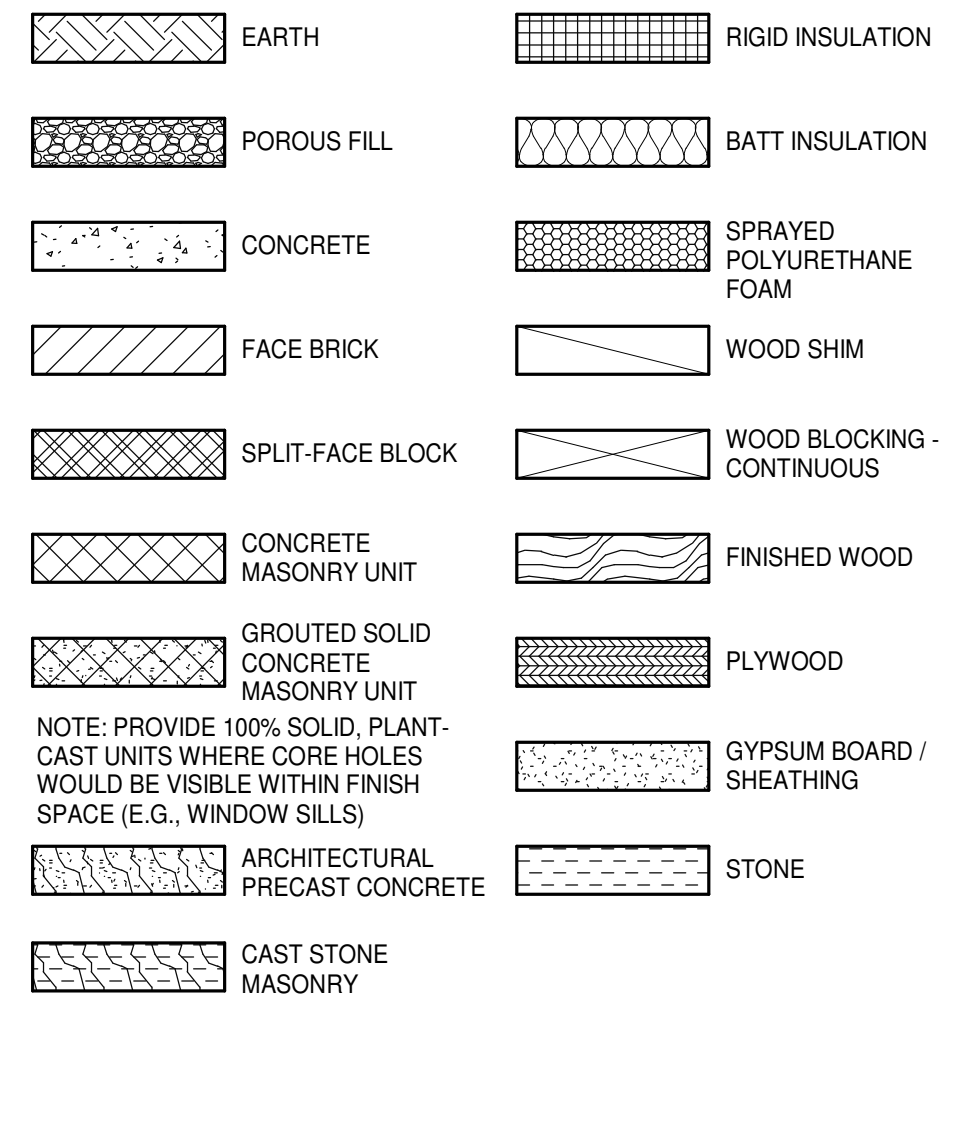
C. ELEMENTS IDENTIFIED IN 'LEGENDS' AND/OR 'GENERAL NOTES' MAY NOT BE NOTED IN DETAILS, OR SECTIONS, AS THESE ELEMENTS ARE IDENTIFIED IN THE LEGENDS (e.g., FACE BRICK, CMU, WINDOWS).

D. REFER TO 'ASSEMBLIES' FOR MATERIALS AND COMPONENTS THAT MAKE UP THAT PARTICULAR ASSEMBLY (e.g., EXTERIOR WALL ASSEMBLIES, ROOF ASSEMBLIES, AND FIRE-RATED ASSEMBLIES). ONCE A PARTICULAR ASSEMBLY HAS BEEN IDENTIFIED ON ONE DRAWING, THAT SAME ASSEMBLY GRAPHIC SHALL APPLY TO ALL OTHER SIMILAR LOCATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE. PROVIDE THAT SAME ASSEMBLY AT THE SIMILAR LOCATION WHETHER THE ASSEMBLY GRAPHIC SYMBOL IS SHOWN OR NOT.

E. VERIFY ALL DIMENSIONS, INCLUDING DIMENSIONS ON STRUCTURAL DRAWINGS AND OTHER ARCHITECTURAL DRAWINGS. IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.

F. PROVIDE CONCRETE HOUSEKEEPING PADS FOR ALL EQUIPMENT INDICATED TO BE MOUNTED OR OTHERWISE REQUIRED TO BE MOUNTED TO THE FLOOR. WHERE PADS ARE NOT SHOWN, PROVIDE 6\"/>

### ARCHITECTURAL MATERIALS LEGEND



MOSELEYARCHITECTS

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GEORGETOWN COUNTY CORONER'S OFFICE

611315  
GEORGETOWN COUNTY  
GEORGETOWN, SOUTH CAROLINA

PROJECT NO: 611315  
DATE: FEBRUARY 26, 2024

REVISIONS	
DATE	DESCRIPTION

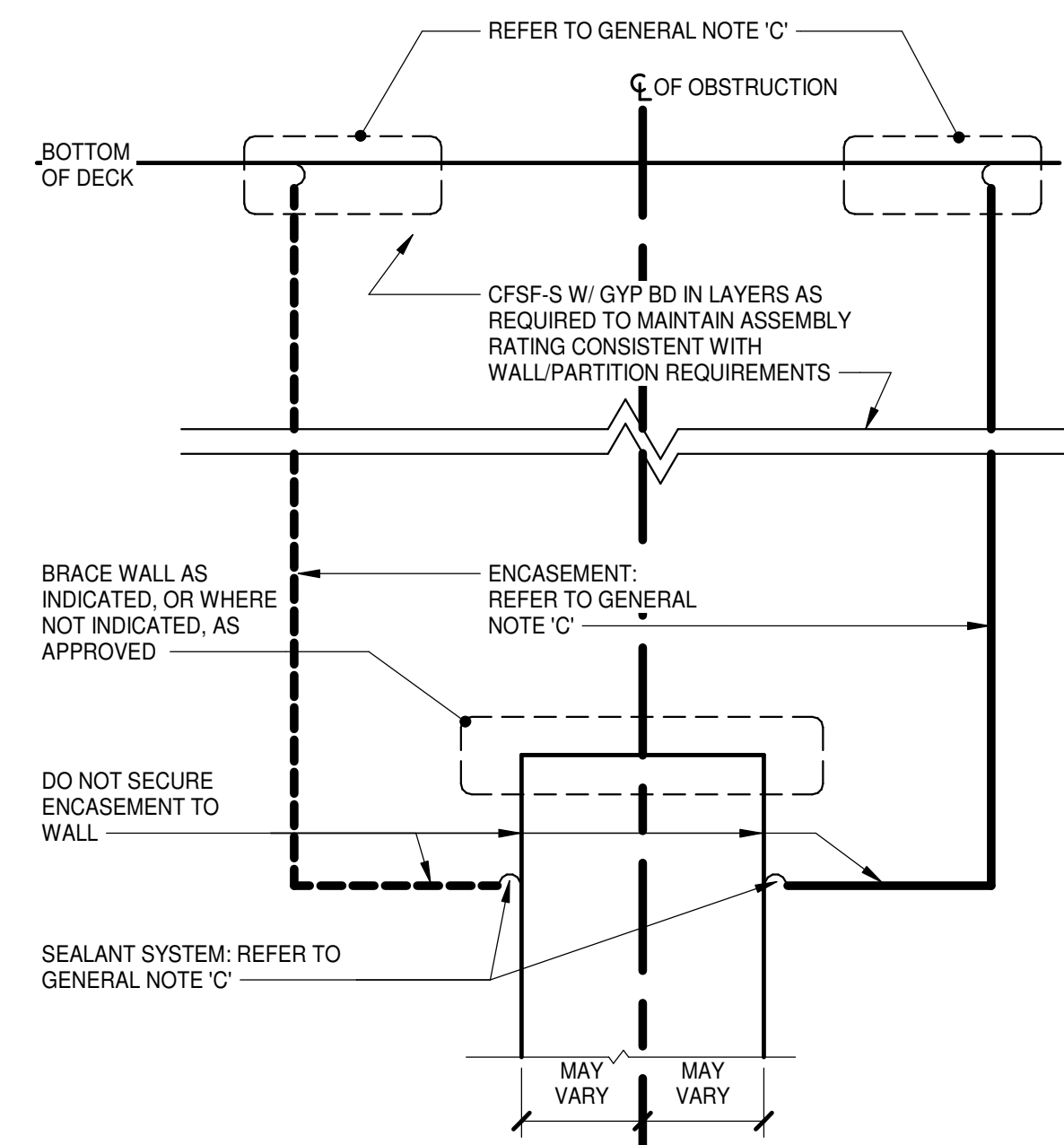
GENERAL ARCHITECTURAL INFORMATION



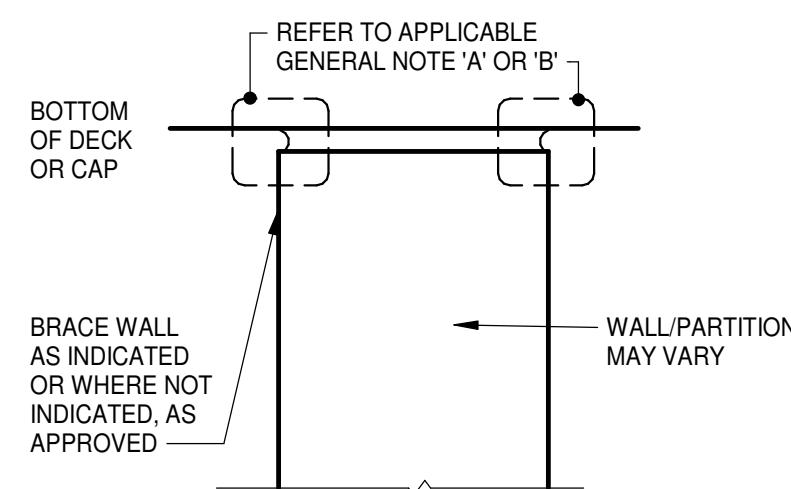
**TERMINATION GENERAL NOTES**

- A. AT FIRE-, SMOKE-, AND ACOUSTICALLY-RATED WALLS: SEAL ALL NON-OBTSTRUCTED HEAD-OF-WALL CONDITIONS IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS BASED ON CONDITION ENCOUNTERED (E.G., CMU-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES), OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES)) TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS. BRACE WALL AS INDICATED OR REQUIRED.
- B. AT ALL OTHER WALLS INDICATED TO EXTEND TO UNDERSIDE OF FLOOR/ROOF DECK/CAP: SEAL ALL NON-OBTSTRUCTED HEAD-OF-WALL CONDITIONS IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS BASED ON CONDITION ENCOUNTERED (E.G., CMU-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES), OR CFSF-TO-DECK (PARALLEL OR PERPENDICULAR TO FLUTES)). BRACE WALL AS INDICATED OR REQUIRED.
- C. AT ALL WALLS PREVENTED FROM TERMINATING AT THE UNDERSIDE OF FLOOR/ROOF DECK BY OBSTRUCTIONS, COMPLY WITH THE FOLLOWING:
  - AT FIRE-, SMOKE-, AND ACOUSTICALLY-RATED WALLS: ENCASE OBSTRUCTION(S) TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS.
  - AT SECURITY WALLS: TERMINATE IN ACCORDANCE WITH SECURITY PARTITION REQUIREMENTS.
  - AT OTHER WALLS: ENCASE OBSTRUCTION(S) ON ONE SIDE.
  - SEAL ENCASEMENT TO WALL AND SEAL ENCASEMENT TO DECK IN ACCORDANCE WITH JOINT SYSTEM MANUFACTURER'S RECOMMENDATIONS AND TO MAINTAIN ASSEMBLY RATING CONSISTENT WITH WALL/PARTITION REQUIREMENTS.

**TERMINATIONS**



**HEAD-OF-WALL TERMINATION @ OBSTRUCTION**  
OBSTRUCTION MAY VARY (BEAM, JOIST, GIRDER, CHANNEL, DUCTWORK, PIPING)

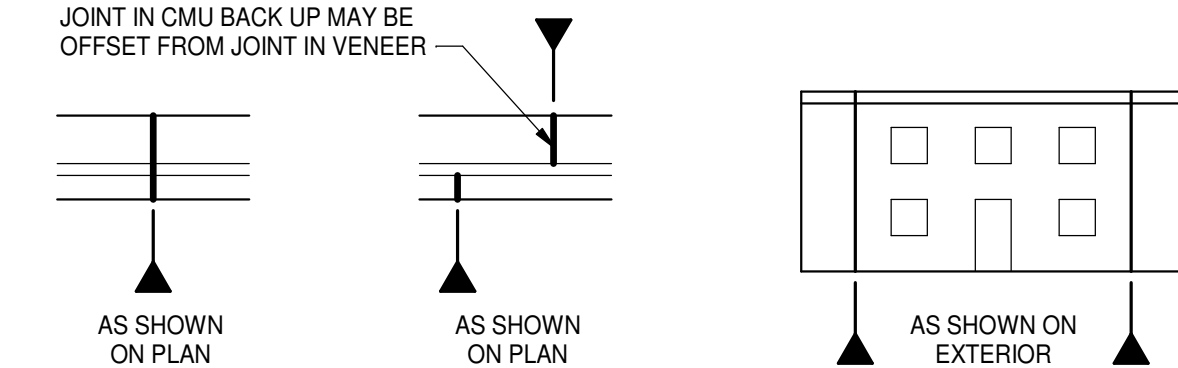


**HEAD-OF-WALL TERMINATION @ NON-OBTSTRUCTION**

**WALL JOINT GENERAL NOTES**

- A. LOCATE CONTROL JOINTS IN INTERIOR AND EXTERIOR WALLS AS INDICATED ON DRAWINGS.
- B. JOINTS ARE INDICATED THUS ON PLANS AND ELEVATIONS.
- C. WALLS AND JOINT TYPES/DETAILS ARE DIAGRAMMATIC. ADJUST JOINT TYPES/DETAILS IN ACCORDANCE WITH ACTUAL FIELD CONDITIONS.
- D. PROVIDE TESTED JOINT ASSEMBLIES AT FIRE-, SMOKE-, AND ACOUSTICALLY-RATED WALLS.
- E. WHEN USED HEREIN "RATED" MEANS: FIRE, SMOKE, AND/OR ACOUSTICAL.
- F. REFER TO SPECIFICATIONS FOR ADDITIONAL WALL JOINT REQUIREMENTS.

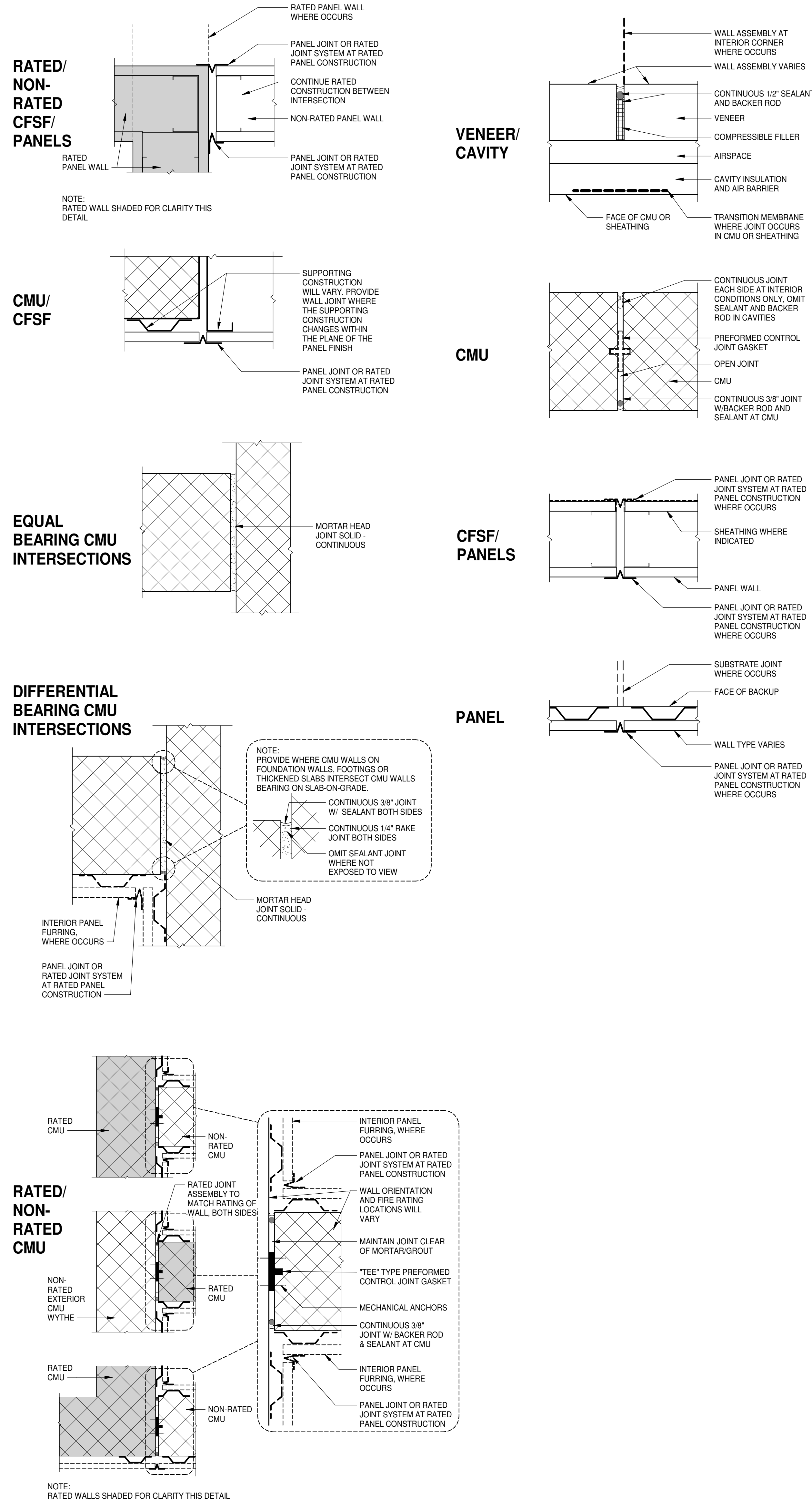
**EXTERIOR WALL JOINT GRAPHICS**



**WALL/PARTITION TYPE GENERAL NOTES**

- A. PLAN DIMENSIONS ARE TO FACE OF WALL OR PARTITION. WHERE APPLIED FINISHES OCCUR SUCH AS CERAMIC TILE DIMENSIONS ARE TO FACE OF APPLIED FINISH. FOR WAINSCOTS, FLOOR PLAN DIMENSIONS ARE TO FACE OF WAINSCOT MATERIAL. APPLIED FINISHES ARE NOT ALLOWED TO REDUCE CLEAR DIMENSIONS. \*APPLIED FINISHES IN THIS CASE DO NOT INCLUDE TRIM, BASE, AND ACOUSTIC WALL PANELS.
- B. EXTEND WALL/PARTITION ASSEMBLY COMPONENTS FULL HEIGHT OF ASSEMBLY.
- C. ALL INTERIOR MASONRY UNIT PARTITIONS: M1 UNLESS INDICATED OTHERWISE.
- D. ALL INTERIOR CFSF PANEL PARTITIONS: P1 UNLESS INDICATED OTHERWISE.
- E. REFER TO STRUCTURAL DRAWINGS AND RELATED SPECIFICATIONS FOR SOLID MASONRY, GROUTING, AND REINFORCEMENT REQUIREMENTS INCLUDING BUT NOT BE LIMITED TO:
  - MASONRY WALLS/PARTITIONS
  - LINTELS
  - LINTEL BEARING CONDITIONS
  - BOND BEAMS
  - SHELF BEARING CONDITIONS
  - STRUCTURAL REINFORCING REQUIREMENTS
  - CHANGES IN WYTHE
- F. THE TERMS "WALL" AND "PARTITION" MAY BE USED INTERCHANGEABLY THROUGHOUT THE CONTRACT DOCUMENTS.
- G. EXTEND ALL FIRE-, SMOKE-, INCIDENTAL USE-, AND ACOUSTICAL-RATED WALLS/PARTITIONS TO UNDERSIDE OF FLOOR DECK, ROOF DECK, STRUCTURAL ELEMENT ENCASUREMENT OR SOLID CAP ABOVE.
  - SEAL AND TERMINATE IN ACCORDANCE WITH JOINT SYSTEM TESTED ASSEMBLIES FOR RESPECTIVE TYPE OF WALLS/PARTITIONS.
- H. PARTITIONS THAT DO NOT EXTEND TO UNDERSIDE OF DECK OR CAP ABOVE:
  - EXTEND 4 INCHES MINIMUM ABOVE HIGHEST ADJACENT FINISH CEILING UNLESS INDICATED OTHERWISE.
- I. DO NOT CONNECT TIES, ANCHORS, OR REINFORCING TO SINGLE CANTILEVERED FIRE WALL OR BETWEEN DOUBLE FIRE WALLS.
- J. SEAL AROUND ALL PENETRATIONS.
- K. COMPLY WITH TERMINATION, WALL JOINT, AND MISCELLANEOUS DETAILS FOR THOSE CONDITIONS WHERE APPLICABLE. COMPLY WITH REFERENCED STANDARDS WHERE DETAILS ARE NOT IDENTIFIED IN THE DRAWINGS.
- L. WALL/PARTITION TYPES DO NOT ADDRESS WALL FINISHES. REFER TO FINISH SCHEDULE.
- M. FINISHED SPACES: PROVIDE CHASES AROUND ALL EXPOSED VERTICAL COMPONENTS, INCLUDING BUT NOT LIMITED TO: DUCTWORK, PIPING, AND CONDUIT, UNLESS COMPONENTS ARE SPECIFICALLY INDICATED TO REMAIN EXPOSED.
  - HOLD CHASES TIGHT TO COMPONENTS ALLOWING FOR ACCESS, INSULATION, AND TOLERANCES.
  - EXTEND CHASES FROM FLOOR TO 4 INCHES MINIMUM ABOVE FINISH CEILING OR IF NO CEILING IS INDICATED, EXTEND CHASES TO UNDERSIDE OF FLOOR DECK, ROOF DECK, OR SOLID CAP ABOVE AND TERMINATE ACCORDINGLY.
- N. PROVIDE BACKER BOARD UNIT OF SAME THICKNESS INDICATED IN LIEU OF GYPSUM BOARD PANEL AT PORTIONS OF WALLS/PARTITIONS TO RECEIVE TILE.

**WALL JOINTS**



**PANEL WALL/PARTITION TYPES**

MARK	FIRE RATED ASSEMBLY (REFER TO LS 1.1 FOR LEGEND)	REMARKS	INFORMATION
P1		-	7 1/4" 5/8" GYPSUM BOARD 6" CFSF-NS
P2		-	4 1/4" 5/8" GYPSUM BOARD 3 5/8" CFSF-NS
P3		-	
P4		-	

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### FLOOR PLAN GENERAL NOTES

A. GENERAL NOTE 1...  
 B. GENERAL NOTE 2...

### REFLECTED CEILING PLAN LEGEND

APPLIES TO DRAWINGS A9.1.n - A9.1.n  
 REFER TO M, E & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW

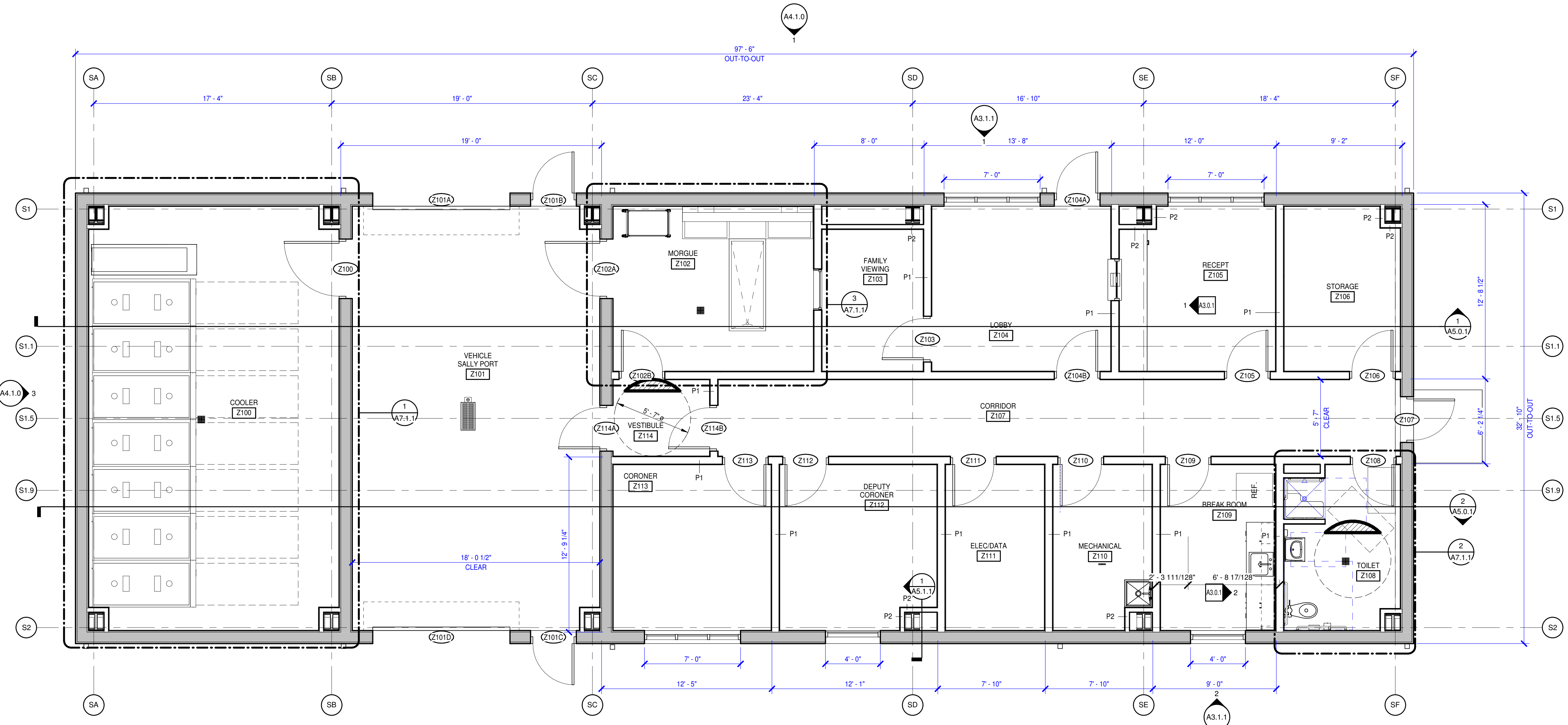
[A101]	SPACE NUMBER	[Symbol]	EXTERIOR WALL
[mm'-nn"]	CEILING HEIGHT, AFF UNO	[Symbol]	INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK
[Symbol]	INTERIOR APPLICATIONS: GYPSUM BOARD CEILING	[Symbol]	INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY
[Symbol]	EXTERIOR APPLICATIONS: GYPSUM SOFFIT BOARD OR GYPSUM SHEATHING	[Symbol]	INTERIOR WALL/PARTITION 4" MIN ABOVE HIGHEST ADJACENT CEILING. IF NECESSARY TO ACHIEVE RESULTS DESIRED, EXTEND WALL HEIGHT SO WALL BRACING IS NOT EXPOSED TO VIEW IN FINISHED SPACES
[Symbol]	2' 0" x 2' 0" LAY IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID	[Symbol]	INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING
[Symbol]	1 HR RATED HORIZONTAL SHAFT WALL ABOVE ACP CEILING	[Symbol]	EXISTING TO REMAIN. VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK
[Symbol]	1' 0" x 1' 0" ACT ON 3/4" FRT PLYWOOD ON CFSF-S SUSPENDED FRAMING	[Symbol]	
[AP]	ACCESS PANEL		
[Symbol]	WITH OPENING		
[Symbol]	WITH OPENING		
[Symbol]	WITH OPENING		
[Symbol]	WITH OPENING		

### REFLECTED CEILING PLAN/DETAIL GENERAL NOTES

A. ALL CEILING HEIGHTS SHALL BE 9'-0" AFF UNLESS INDICATED OTHERWISE.  
 B. DRAWINGS INDICATE GRID LAYOUT DIAGRAMMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.  
 C. CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.  
 D. IF ADDITIONAL SPRINKLER HEADS ARE REQUIRED TO SATISFY CODE OR COVERAGE DENSITIES (OTHER THAN THOSE THAT MAY BE INDICATED), PROVIDE ADDITIONAL SPRINKLER HEADS AT NO ADDITIONAL COST AND OBTAIN APPROVAL OF ARCHITECT FOR LOCATION OF SUCH HEADS, IF ANY.



**FIRST FLOOR PLAN RCP**  
 1/4" = 1'-0"



**FIRST FLOOR PLAN**  
 1/4" = 1'-0"

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NUMBER	NAME	FLOOR	BASE	WALLS				WAINSCOT	CEILING	NOTES
				NORTH	EAST	SOUTH	WEST			
				PT	PT	PT	PT			
Z100	COOLER	RES-B	RES-B	PT	PT	PT	PT	--	MCP	
Z101	VEHICLE SALLY PORT	CONC-LH	--	--	--	--	--	--	EXPC PT	
Z102	MORQUE	RES-C	RES-C	RES-B	RES-B	RES-B	RES-B	--	ACP	
Z103	FAMILY VIEWING	RES-B	RES-B	PT	PT	PT	PT	--	ACP	
Z104	LOBBY	RES-B	RES-B	PT	PT	PT	PT	--	ACP	
Z105	RECEIPT	RES-B	RES-B	PT	PT	PT	PT	--	ACP	
Z106	STORAGE	RES-B	RES-B	PT	PT	PT	PT	--	ACP	
Z107	CORRIDOR B	RES-B	RES-B	PT	PT	PT	PT	--	ACP	
Z107	CORRIDOR	RES-B	RES-B	PT	PT	PT	PT	--	ACP	
Z108	TOILET	RES-B	RES-B	EXP PT	EXP PT	EXP PT	EXP PT	--	CB-EXP PT	
Z109	BREAK ROOM	RES-B	RES-B	PT	PT	PT	PT	--	ACP	
Z110	MECHANICAL	CONC-SLR	--	PT	PT	PT	PT	--	EXPC PT	
Z111	ELEC/DATA	CONC-SLR	--	PT	PT	PT	PT	--	EXPC PT	
Z112	DEPUTY CORONER	RES-B	RES-B	PT	PT	PT	PT	--	ACP	
Z113	CORONER	RES-B	RES-B	PT	PT	PT	PT	--	ACP	
Z114	VESTIBULE	RES-B	RES-B	PT	PT	PT	PT	--	ACP	

NOTE:  
 1. REFER TO SPECIFICATION FOR FLOOR PATTERNS.  
 2. REFER TO SPECIFICATION FOR WALL PATTERNS.

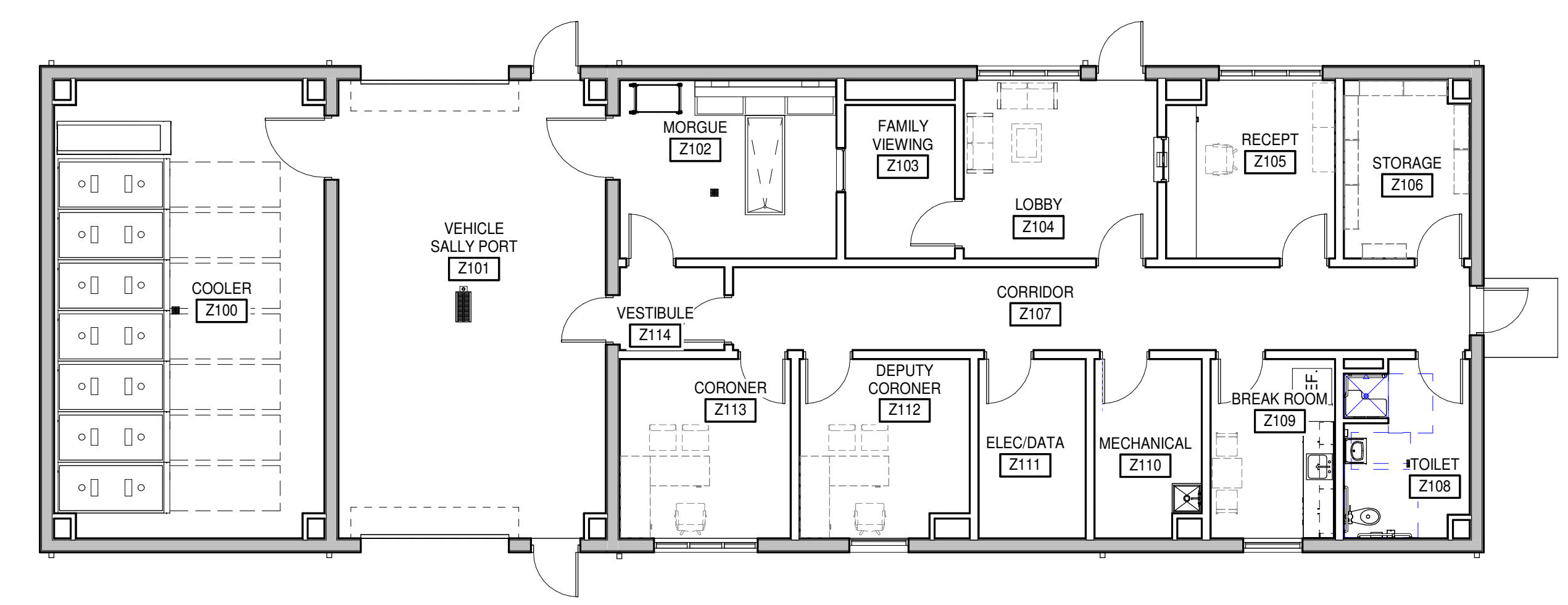
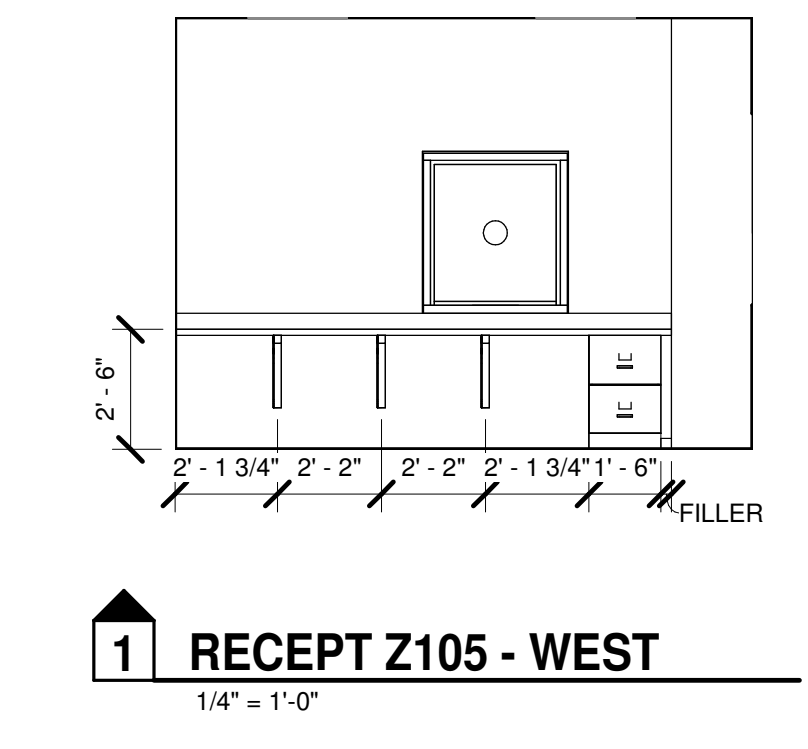
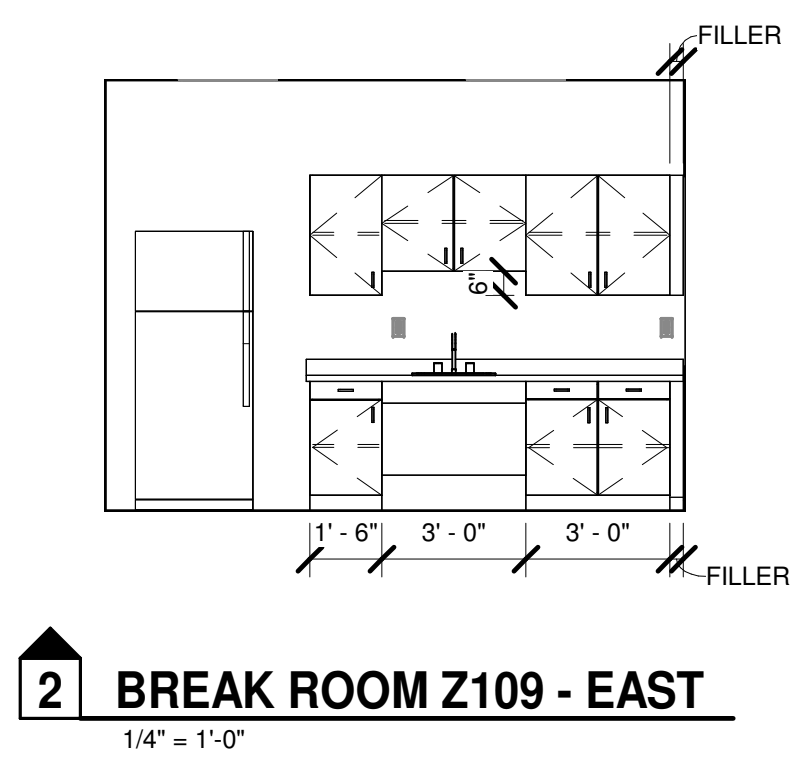
**FINISH SCHEDULE GENERAL NOTES**

A. FINISH SCHEDULE DESCRIBES ONLY THE BASIC OR PREDOMINANT SURFACE FINISH.  
 B. PROVIDE SAME FINISHES AS THE ADJACENT SPACE IN ALCOVES AND CONTINUOUS SPACES WITHOUT DESIGNATED SPACE NUMBERS.  
 C. CASEWORK FINISHES ARE NOT NOTED IN THE FINISH SCHEDULE. REFER TO CASEWORK ELEVATIONS AND SPECIFICATIONS FOR MATERIALS AND FINISHES.  
 D. DIRECTIONAL WALL FINISH INDICATORS (NORTH, EAST, SOUTH, WEST) REFER TO THE "PLAN" NORTH ORIENTATION.  
 E. BULKHEADS AND SOFFITS MAY NOT BE INDICATED IN FINISH SCHEDULES. REFER TO RCP DETAILS, AND OTHER DOCUMENTS FOR EXTENT.  
 F. PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR SLAB-ON-GRADE AND VERTICAL ELEMENT WHERE JOINT IS NOT CONCEALED BY FINISH BASE OR OTHER CONSTRUCTION.

**CASEWORK GENERAL NOTES**

A. UNLESS INDICATED OTHERWISE, ALL COUNTERTOP(S):  
 • 2'-10" AFF OR 2'-10" TO TOP OF RIM AT DROP-IN SINKS AND LAVATORIES WHERE OCCURS  
 • 2'-1" DEEP  
 • SOLID SURFACE  
 • BACKSPASHES: 4" HIGH AT ALL SIDES AND BACK  
 B. UNLESS INDICATED OTHERWISE, ALL BASE CABINET(S):  
 • 2'-0" DEEP NOMINAL  
 • TOE KICKS: 4" HIGH AND 3" DEEP  
 • SINK LOCATIONS: 3'-0" WIDE CLEAR KNEE SPACE (NO BASE CABINET) FOR BARRIER FREE ACCESS  
 C. UNLESS INDICATED OTHERWISE, ALL WALL CABINET(S):  
 • 1'-0 1/2" DEEP NOMINAL  
 • 2'-6" HIGH  
 • TOP AT 7'-0" AFF  
 • MINIMUM 11" CLEAR INTERIOR DEPTH  
 D. BUILT-IN EQUIPMENT: SIZE OPENING (HEIGHT, WIDTH, AND DEPTH) AND ROUGH-IN REQUIREMENTS AS REQUIRED BASED ON APPROVED MANUFACTURER SUBMITTED.  
 E. ALL SHELVES: ADJUSTABLE UNLESS INDICATED OTHERWISE.  
 F. PROVIDE FINISH END PANELS AT ALL EXPOSED CASEWORK ENDS.  
 G. LOCKS: UNLESS INDICATED OTHERWISE.

**CASEWORK KEYNOTES**  
 REPRESENTED BY [n]  
 APPLIES TO DRAWINGS A6.1 - A8.m



**3 FIRST FLOOR FURNITURE PLAN**  
 A4.1.0 A3.0.1 1/8" = 1'-0"

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Working - Door Schedule																	
NUMBER	DOOR		DOOR					FRAME				DETAILS					
	TYPE	SIZE (NOMINAL)	MATL	LOUVER	UC	GLAZING	TYPE	NUMBER	SECTIONS	HEAD	JAMB	JAMB	SILL	GLAZING	HDWR	FIRE RATING	SIGNAGE
Z100	F	4'-0" x 7'-0" x 1.34"	STL	--	--	--	STL	2	A	1	1	1	1				
Z101A	OH	10'-0" x 10'-0" x 2"															
Z101B	F	3'-0" x 7'-0" x 1.34"							A								
Z101C	F	3'-0" x 7'-0" x 1.34"							A								
Z101D	OH	10'-0" x 10'-0" x 2"															
Z102A	F	4'-0" x 7'-0" x 1.34"						2	A								
Z102B	F	3'-0" x 7'-0" x 1.34"	STL	--	--	--	STL	1	A	1	1	1	1				
Z103	F	3'-0" x 7'-0" x 1.34"	STL	--	--	--	STL	1	A	1	1	1	1				
Z104A	F	3'-0" x 7'-0" x 1.34"	STL	--	--	--	STL	1	A	1	1	1	1				
Z104B	F	3'-0" x 7'-0" x 1.34"	STL	--	--	--	STL	1	A	1	1	1	1				
Z105	F	3'-0" x 7'-0" x 1.34"	STL	--	--	--	STL	1	A	1	1	1	1				
Z106	F	3'-0" x 7'-0" x 1.34"	STL	--	--	--	STL	1	A	1	1	1	1				
Z107	F	3'-0" x 7'-0" x 1.34"	STL	--	--	--	STL	1	A	1	1	1	1				
Z108	F	3'-0" x 7'-0" x 1.34"	STL	--	--	--	STL	1	A	1	1	1	1				
Z109	F	3'-0" x 7'-0" x 1.34"	STL	--	--	--	STL	1	A	1	1	1	1				
Z110	F	3'-0" x 7'-0" x 1.34"	STL	--	--	--	STL	1	A	1	1	1	1				
Z111	F	3'-0" x 7'-0" x 1.34"	STL	--	--	--	STL	1	A	1	1	1	1				
Z112	F	3'-0" x 7'-0" x 1.34"	STL	--	--	--	STL	1	A	1	1	1	1				
Z113	F	3'-0" x 7'-0" x 1.34"	STL	--	--	--	STL	1	A	1	1	1	1				
Z114A	F	3'-0" x 7'-0" x 1.34"	STL	--	--	--	STL	1	A	1	1	1	1				
Z114B	F	3'-0" x 7'-0" x 1.34"	STL	--	--	--	STL	1	A	1	1	1	1				

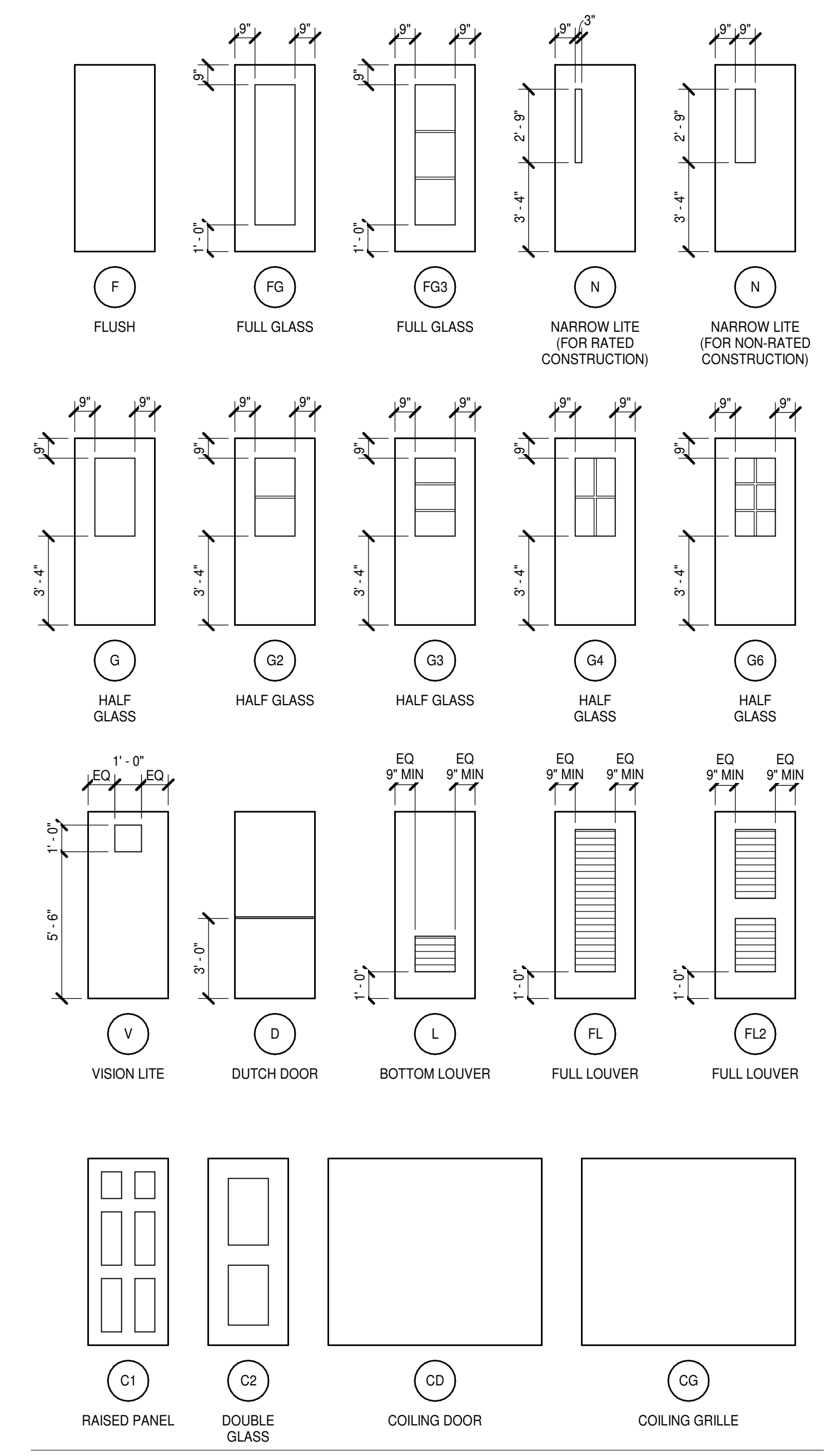
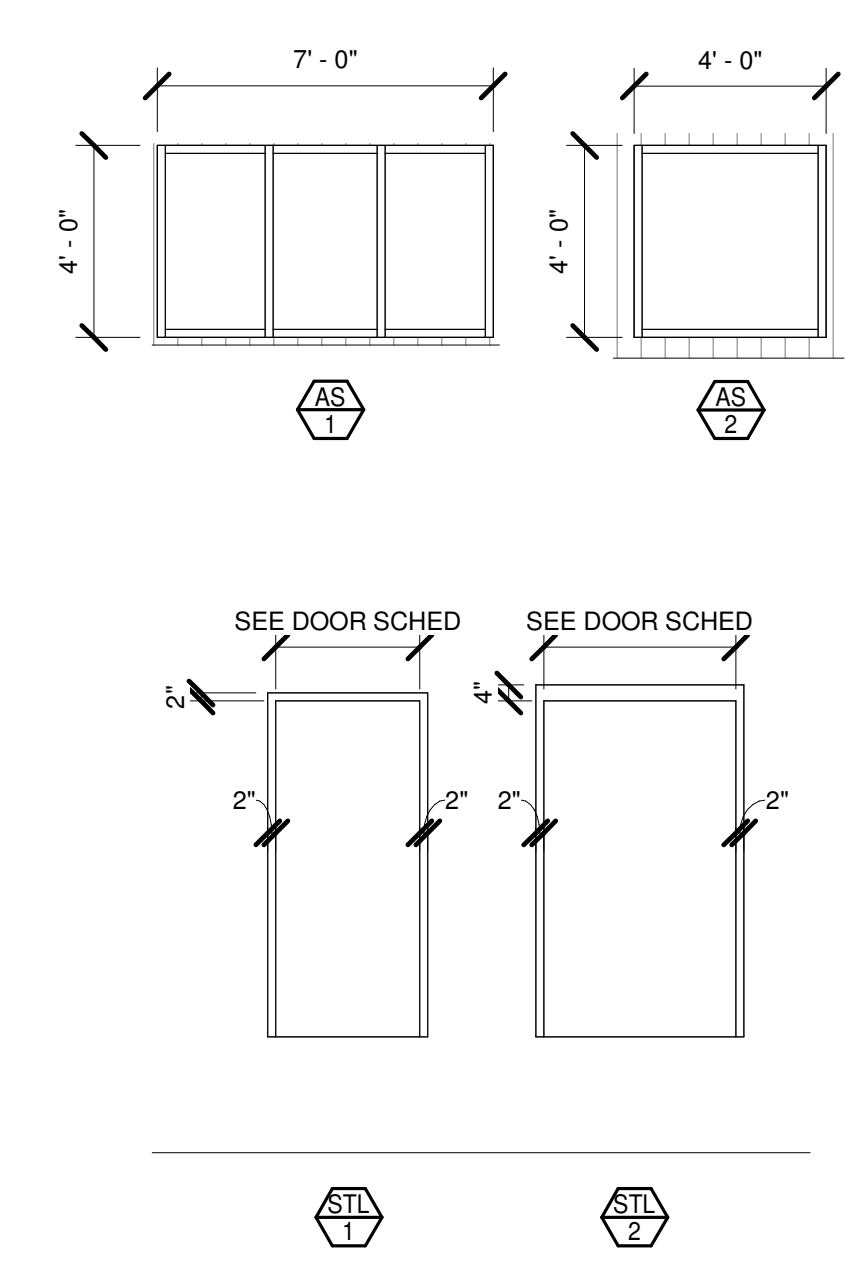
NOTE:  
1. Note 1  
2. Note 2

**GENERAL NOTES**

A. UNLESS INDICATED OTHERWISE, ALL DETAIL NUMBERS IN THE DOOR AND FRAME SCHEDULE FOR HEAD, JAMB AND SILL CONDITIONS REFER TO DRAWINGS A3.2.1 - A3.2.n.

B. DOOR AND FRAME DETAILS INDICATE GENERAL CHARACTERISTICS OF DOOR AND FRAME SIZES AND COMPONENTS AND MAY NOT INDICATE EXACT FIELD CONDITIONS OR REQUIREMENTS. COORDINATE DETAILS WITH OTHER DRAWINGS AND SPECS TO DETERMINE ALL COMPONENTS (E.G., SEALANTS, ANCHORS, HARDWARE, LINTELS, CLIPS) REQUIRED FOR COMPLETE AND FUNCTIONAL INSTALLATION.

C. DOOR SWINGS ON FLOOR PLANS TAKE PRECEDENCE OVER SWINGS INDICATED ELSEWHERE (E.G., ELEVATIONS).



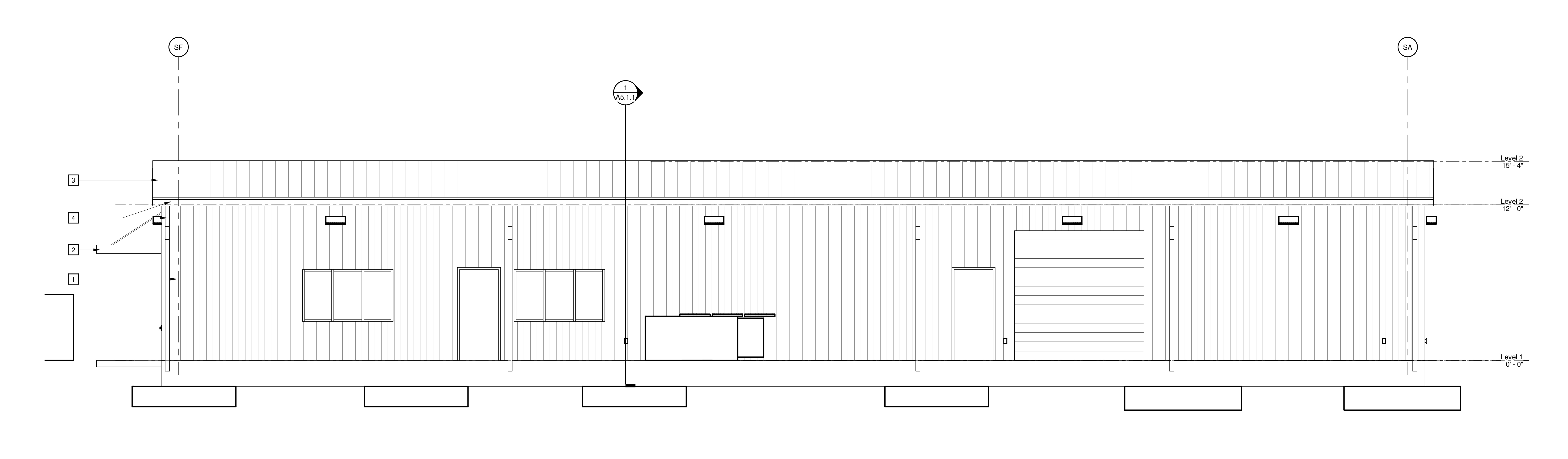
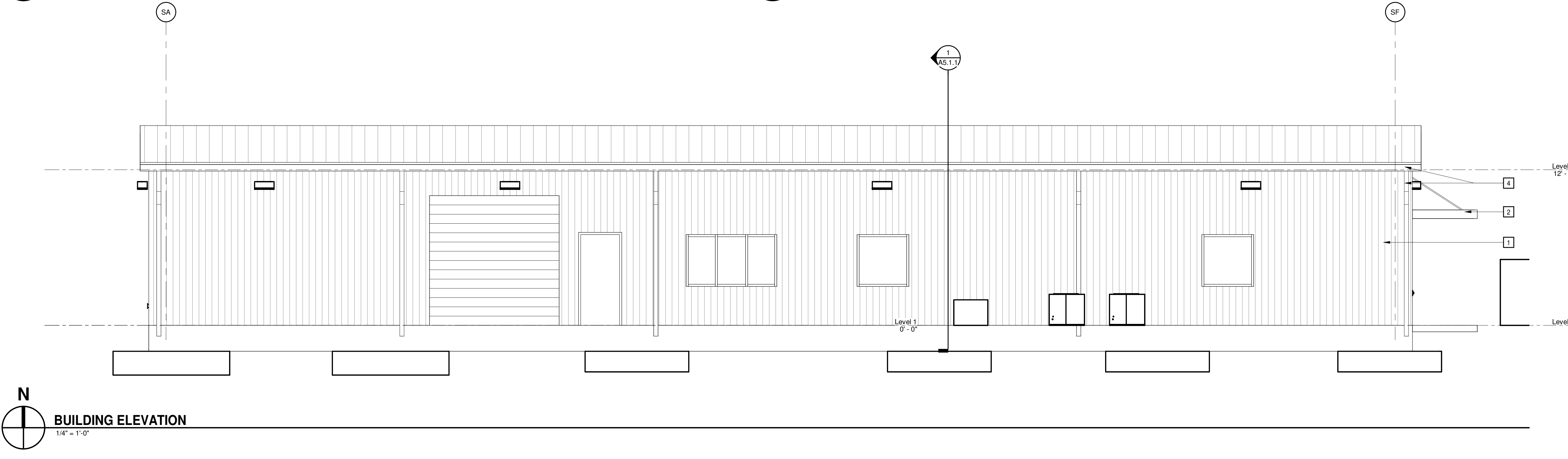
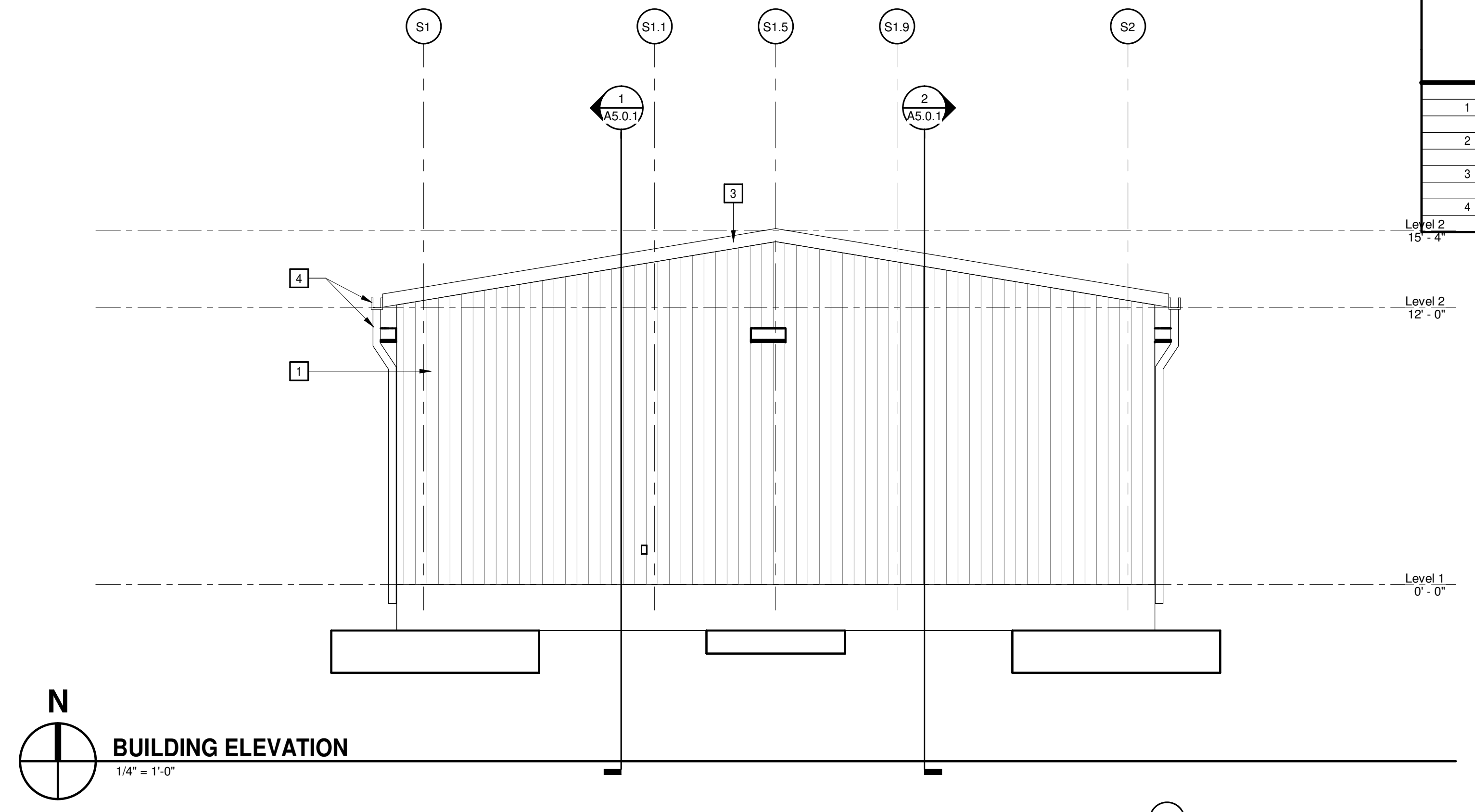
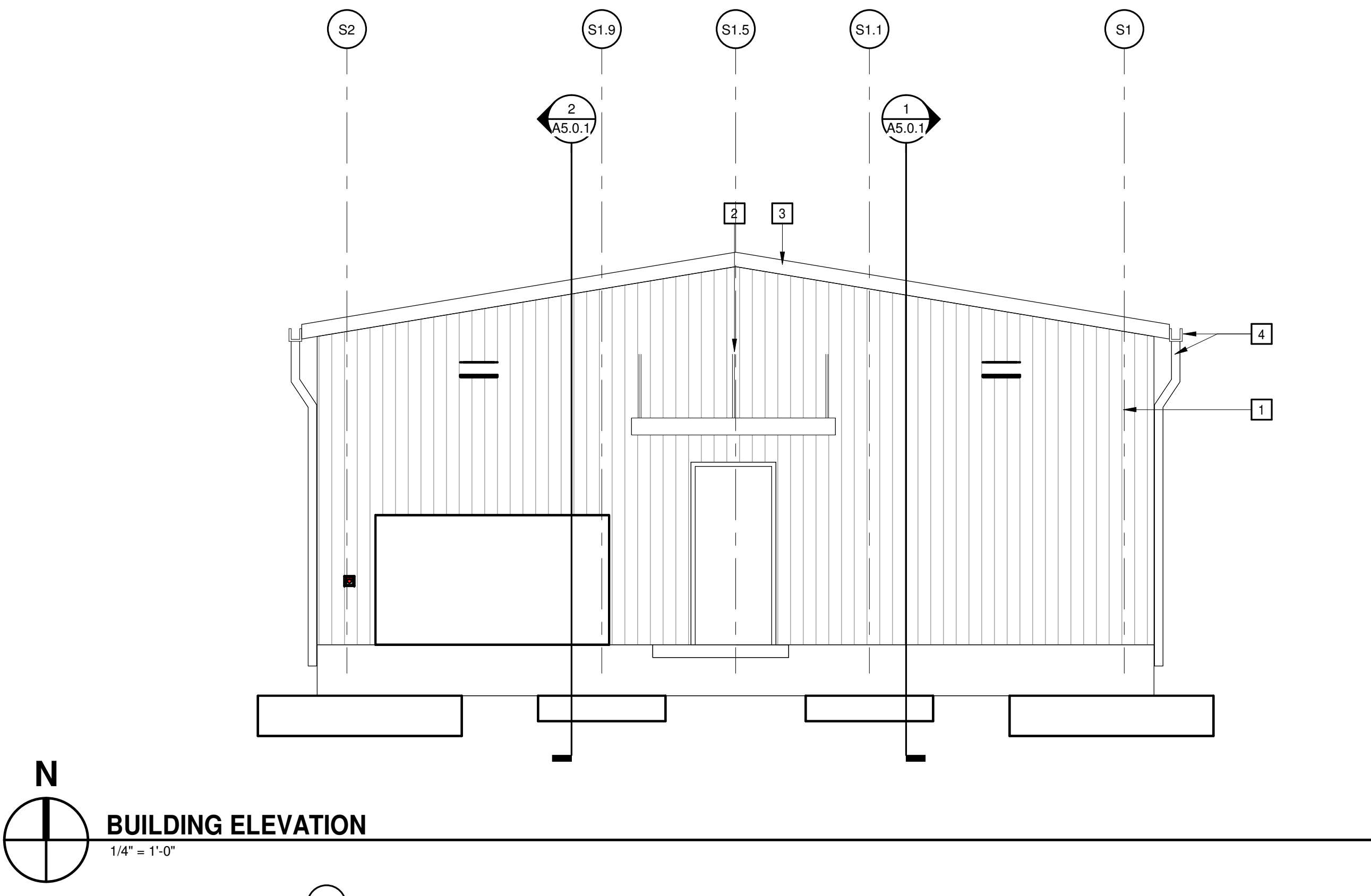
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BUILDING ELEVATION KEYNOTES	
REPRESENTED BY [Symbol]	
APPLIES TO DRAWINGS A4.1 - A4.n	
1	PEMB METAL WALL PANELS
2	PREFINISHED ALUMINUM PROTECTIVE COVER
3	STANDING SEAM METAL ROOF
4	PREFINISHED ALUMINUM GUTTER AND DOWNSPOUT



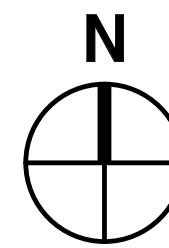
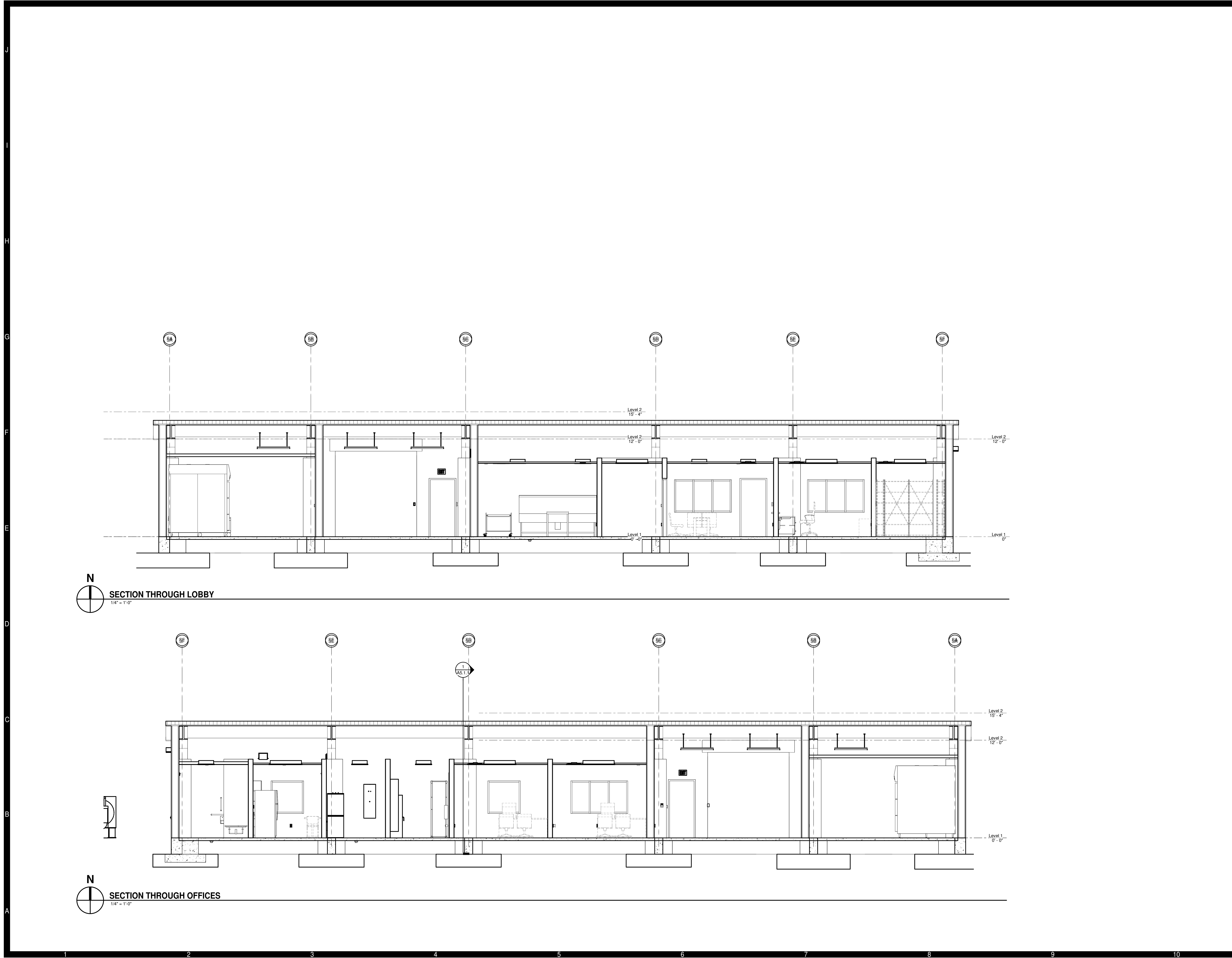
**BUILDING ELEVATION**  
 1/4" = 1'-0"

J  
H  
G  
F  
E  
D  
C  
B  
A

1 2 3 4 5 6 7 8 9 10

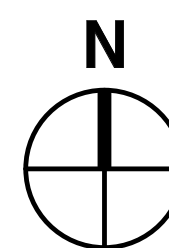


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SECTION THROUGH LOBBY

1/4" = 1'-0"



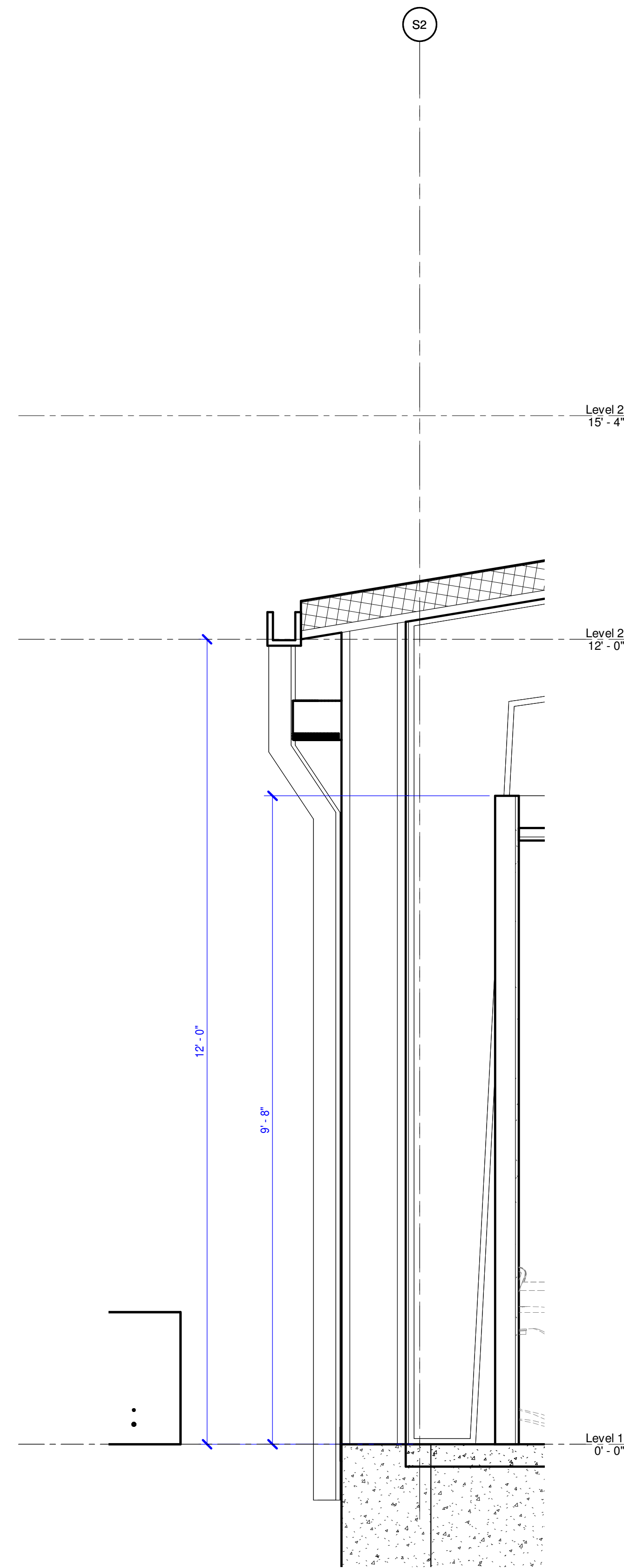
SECTION THROUGH OFFICES

1/4" = 1'-0"

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**1 WALL SECTION**  
A2.1.1 | A5.1.1 3/4" = 1'-0"



**GENERAL NOTES**

A. GENERAL NOTE 1...  
B. GENERAL NOTE 2...

**WALL SECTION KEYNOTES**  
REPRESENTED BY [Symbol]  
APPLIES TO DRAWINGS A5.1.1 - A5.1.n

EXTERIOR WALL ASSEMBLIES APPLIES TO A5.1 AND A5.2 SERIES OF DRAWINGS REPRESENTED BY (WA)			
MARK	FIRE RATING (REFER TO LS 1.1 FOR LEGEND)	REMARKS	INFORMATION
WA1	[Symbol]		
WA2	[Symbol]		

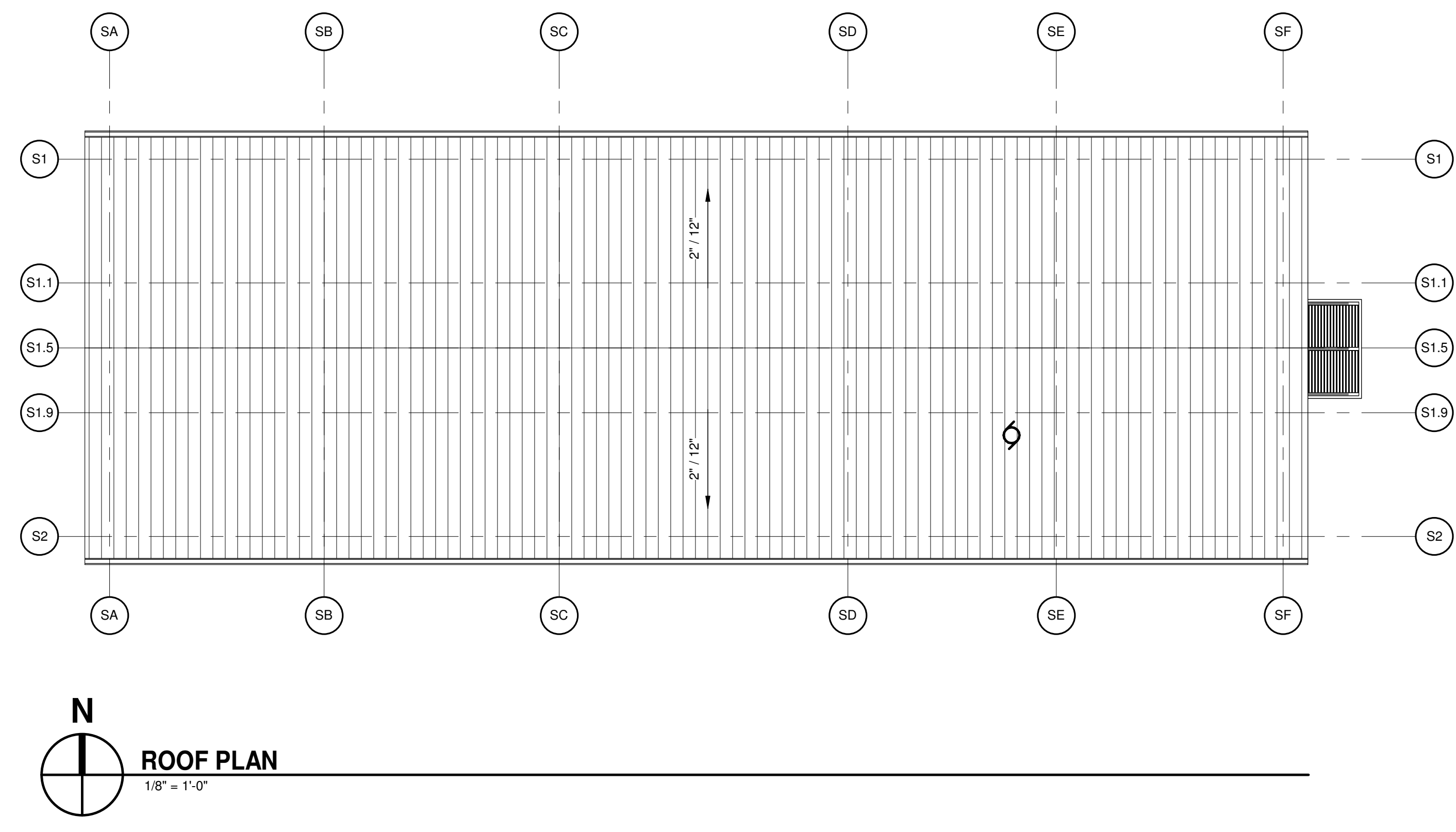
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DATE	DESCRIPTION



**TOILET ASSEMBLIES, SCHEDULE AND ENLARGED PLAN GENERAL NOTES**

A. PLAN DIMENSIONS ARE TO FACE OF WALL OR PARTITION. WHERE APPLIED FINISHES OCCUR, SUCH AS CERAMIC TILE, DIMENSIONS ARE TO FACE OF APPLIED FINISH. FOR WAINSCOTS, FLOOR PLAN DIMENSIONS ARE TO FACE OF WAINSCOT MATERIAL. APPLIED FINISHES ARE NOT ALLOWED TO REDUCE CLEAR DIMENSIONS. "APPLIED FINISHES" IN THIS CASE DO NOT INCLUDE TRIM, BASE, AND ACOUSTIC WALL PANELS.

B. CLEAR DIMENSIONS ARE TO FACE OF APPLIED WALL AND PARTITION FINISHES.



**TOILET ASSEMBLIES**  
 APPLIES TO DRAWINGS A7.1.1 - A7.1.7  
 REPRESENTED BY (TA)

MARK	REMARKS	PLAN	MARK	REMARKS	PLAN
TA1			TA10	BARRIER FREE	
TA2	OMIT (E)		TA11	CENTER OVER LAVATORY	
TA3			TA12	BARRIER FREE	
TA4	OMIT (E)		TA13	OMIT (C, H, J)	
TA5			TA14	BARRIER FREE	
TA6	OMIT (E)		TA15	BARRIER FREE	
TA7					
TA8	OMIT (E)				
TA9					

**LEGEND NOTES:**

A. HANDING/ORIENTATION MAY VARY. REFER TO PLANS FOR PROPER ORIENTATION.

B. PLUMBING FIXTURE GRAPHICS IN THIS LEGEND ARE REPRESENTATIVE ONLY. ACTUAL PLUMBING FIXTURES MAY VARY.

C. COAT ROBE HOOKS INDICATED ON THE BACK OF TOILET COMPARTMENT DOORS ARE PART OF THE TOILET COMPARTMENT ASSEMBLY AND ARE NOT CONSIDERED A TOILET ACCESSORY.

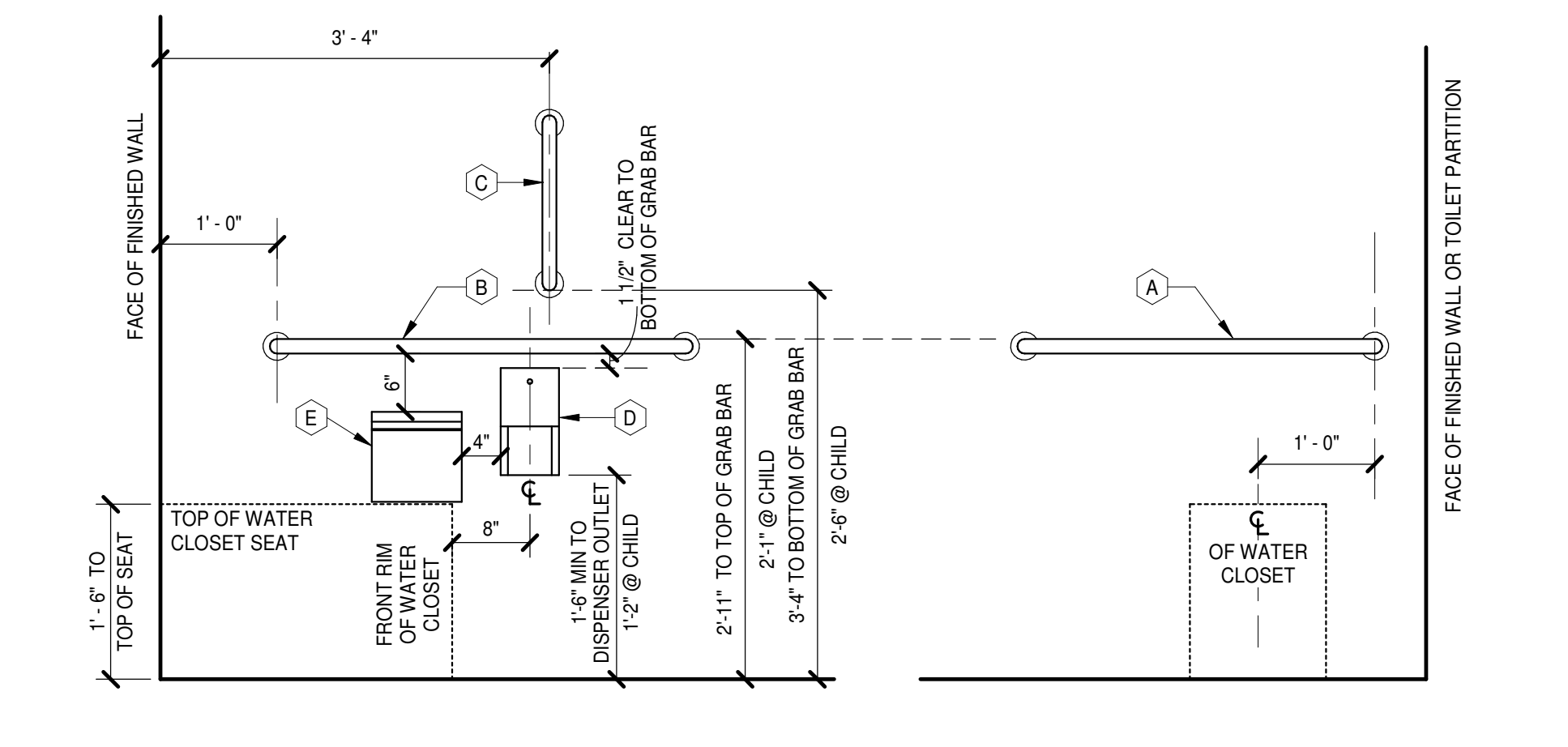
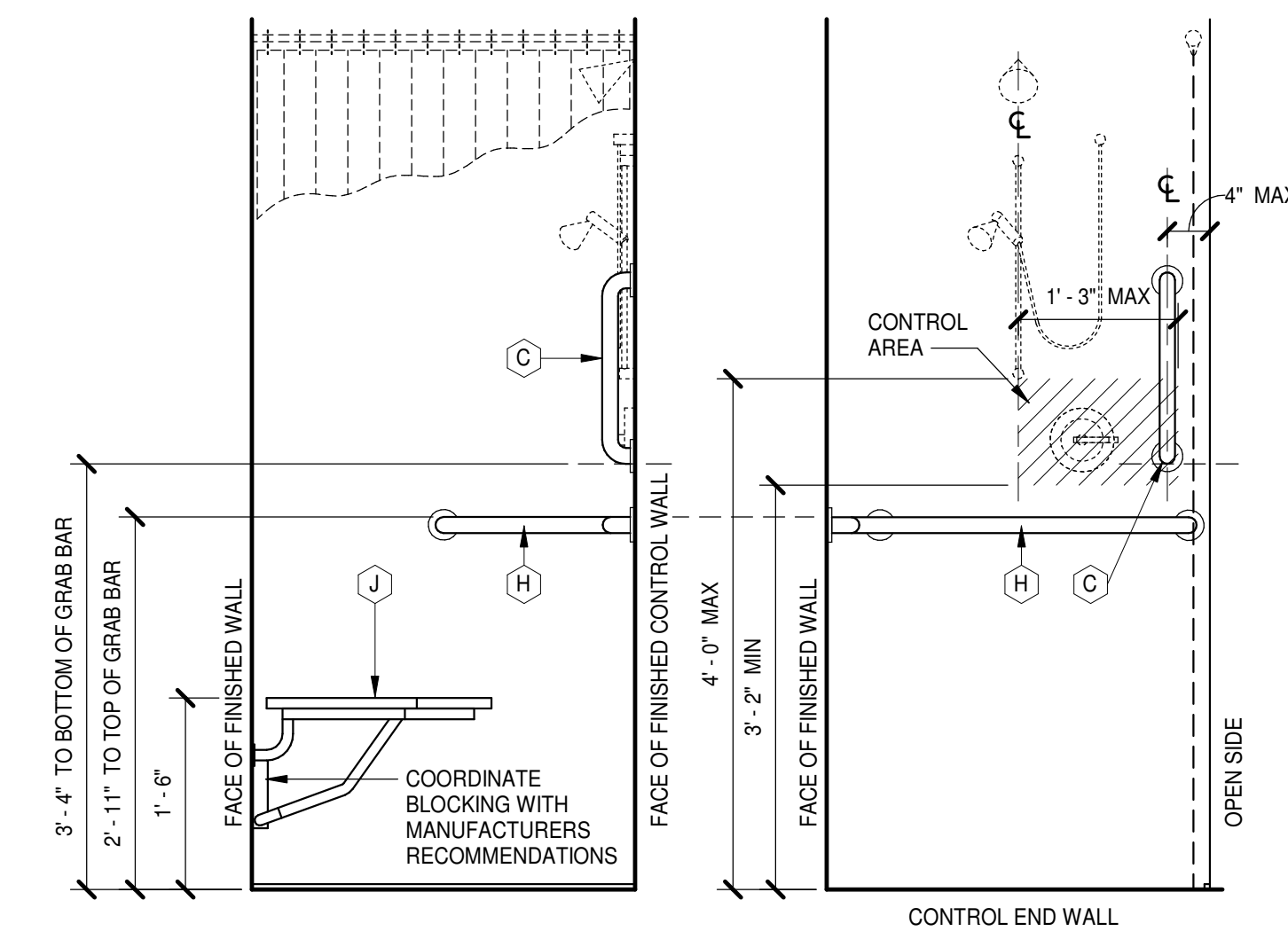
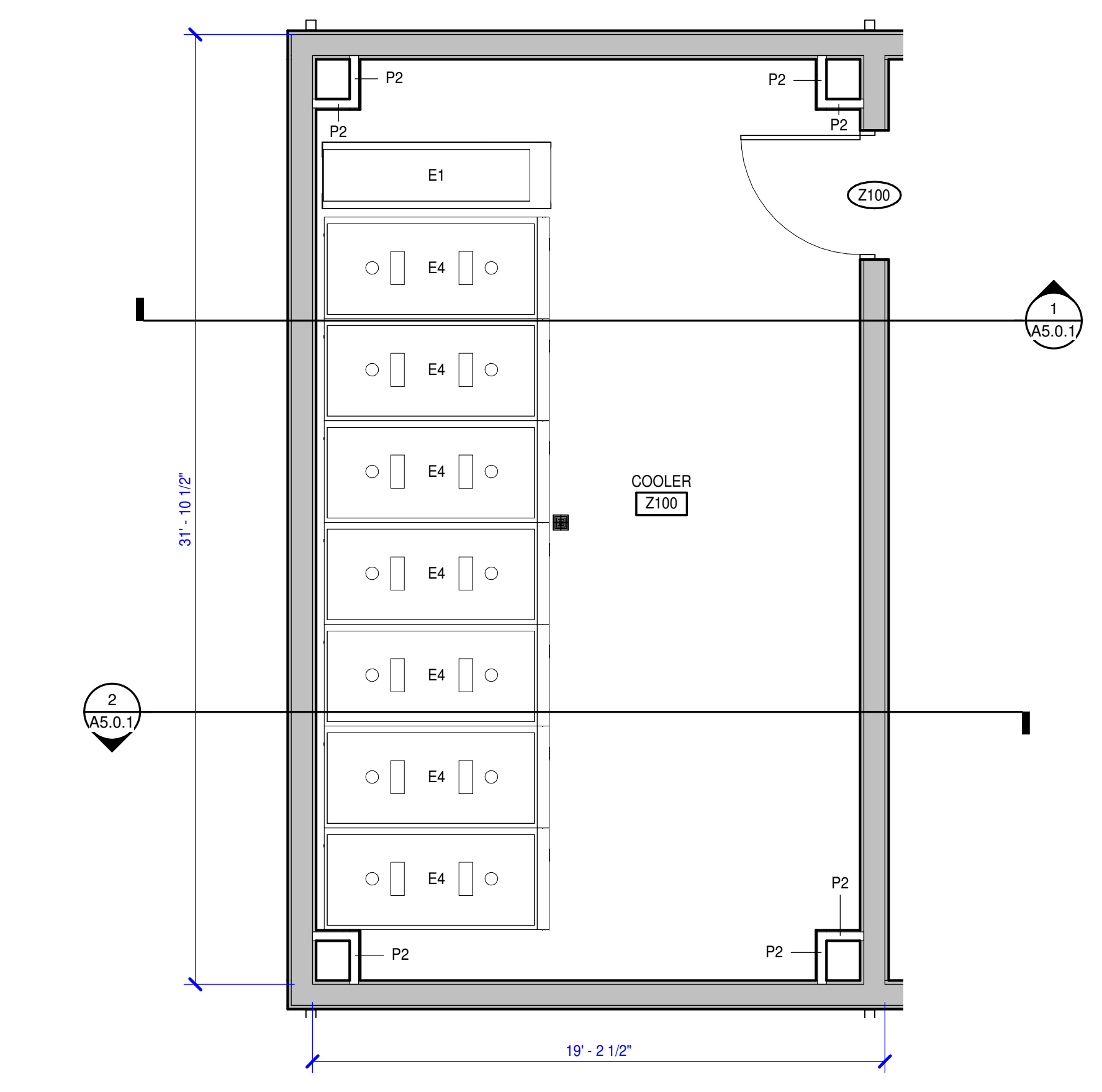
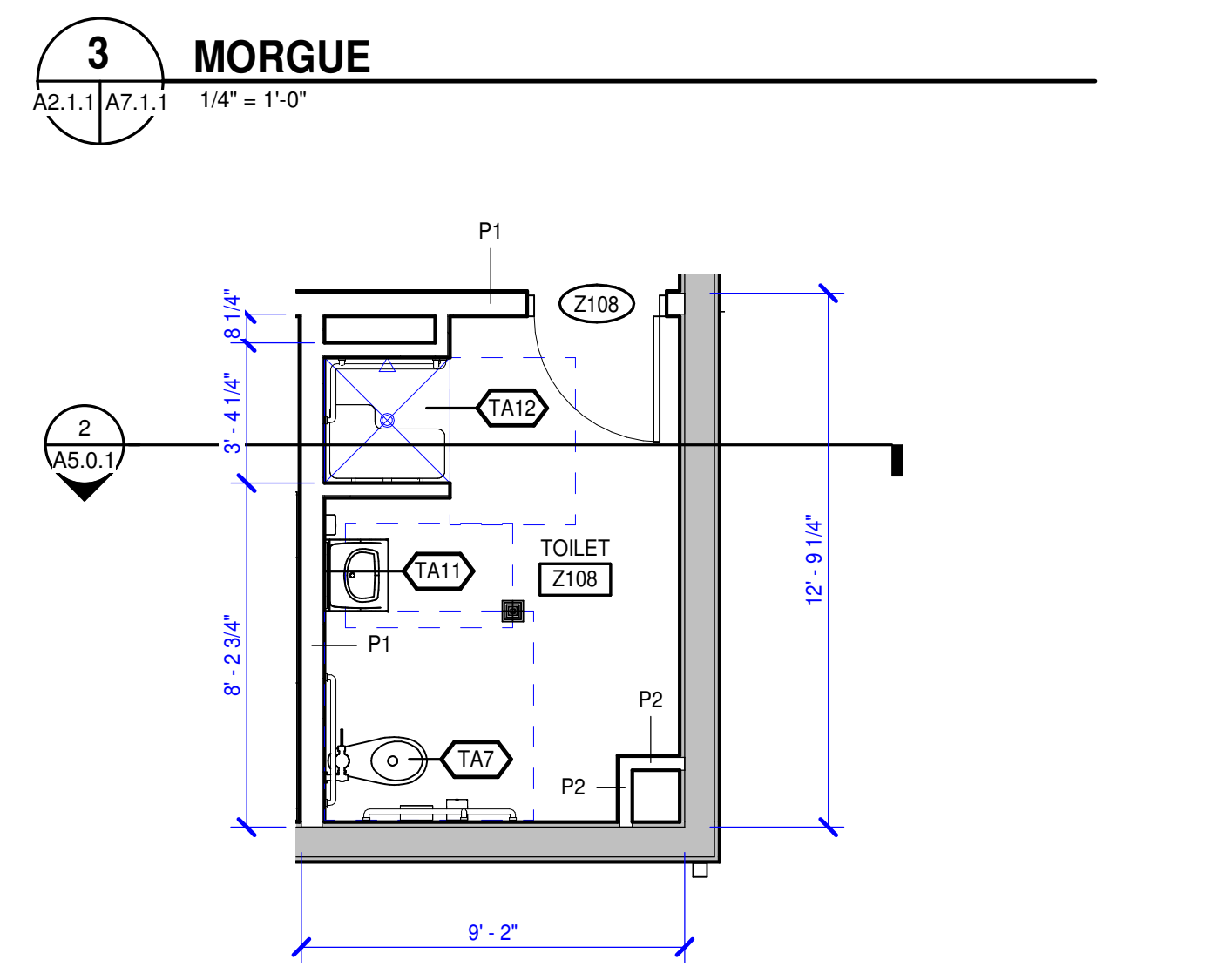
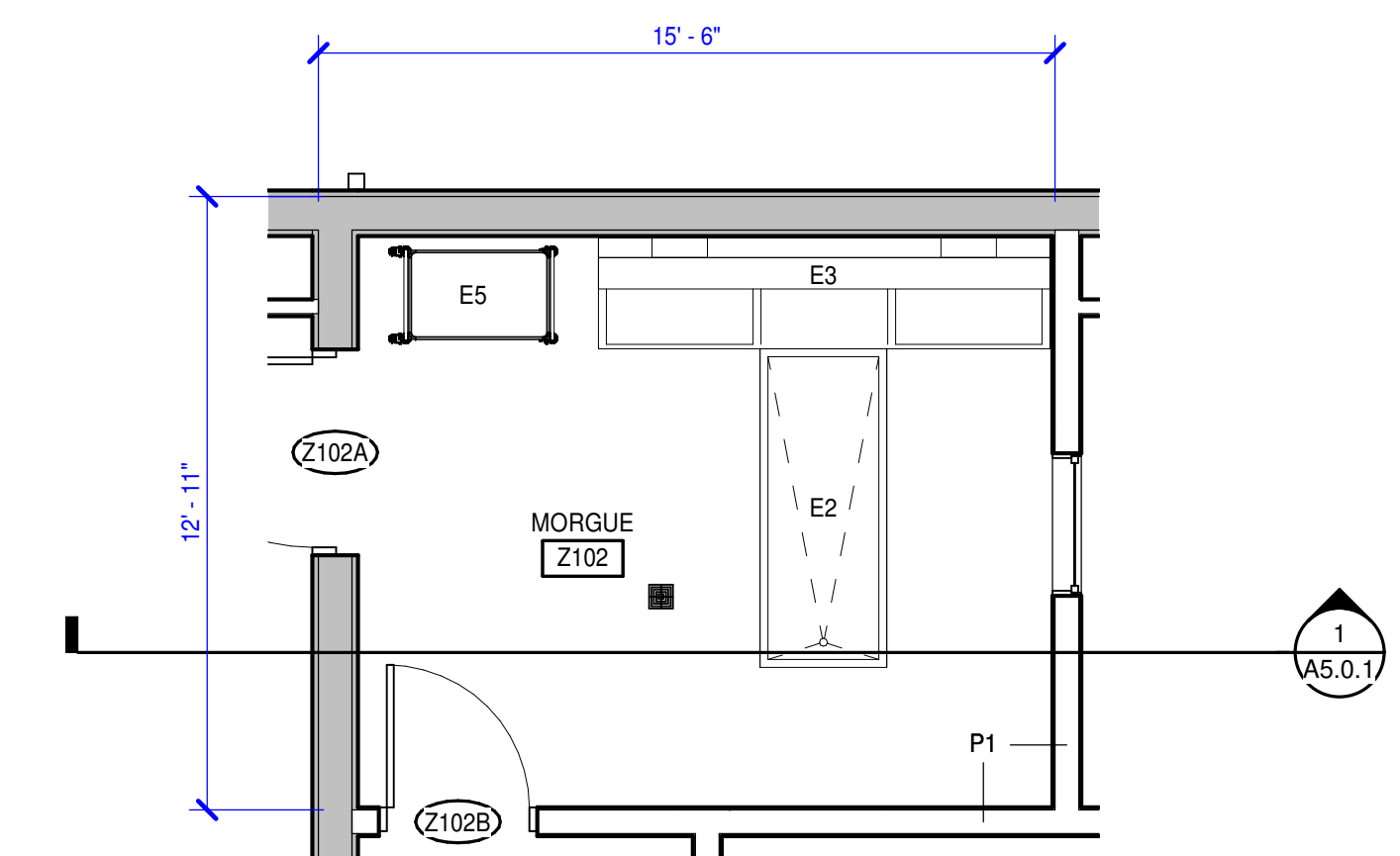
**SPECIALTY EQUIPMENT SCHEDULE**

Type Mark	Description
E1	CADAVER LIFT
E2	AUTOPSY CART
E3	ENBALMING SINK
E4	MORTUARY REFRIGERATOR
E5	LAUNDRY TROLLEY

**TOILET ACCESSORIES SCHEDULE**

MARK	DESCRIPTION	MOUNTING HEIGHT	REMARKS
A	36" HORIZONTAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
B	42" HORIZONTAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
C	18" VERTICAL GRAB BAR	REFER TO WATER CLOSET ELEVATIONS	
D	TOILET TISSUE DISPENSER	REFER TO WATER CLOSET ELEVATIONS	
E	SANITARY NAPKIN DISPOSAL	REFER TO WATER CLOSET ELEVATIONS	
F	SOAP DISPENSER	3'-4" AFF TO DISPENSING OUTLET	
G	MIRROR (15" x 36"), OVER LAV AND COUNTERTOP	3'-4" AFF TO BOTTOM OF REFLECTIVE SURFACE	
H	GRAB BAR ASSEMBLY	REFER TO SHOWER ELEVATIONS	
J	L-SHAPED FOLDING SHOWER SEAT	1'-3" TO SEAT SURFACE	

- ACCESSORY ITEMS ARE IDENTIFIED BY ( ) ON PLANS. LETTERS CORRESPOND TO SCHEDULE ABOVE.
- ACTUAL DIMENSIONS OF ACCESSORIES MAY VARY. COORDINATE DIFFERENCES, IF ANY.
- REFER TO ALL CASEWORK ELEVATIONS FOR ADDITIONAL TOILET ACCESSORY LOCATIONS.
- PROVIDE MOP AND BROOM HOLDER W/ SHELF (T) AT ALL CUSTODIAL/JANITORIAL SINKS. MOUNT AT 5'-0" AFF TO CENTERLINE AND LOCATE ON SIDE WALL OF SINK (NOT ON WALL ABOVE FAUCET).
- PROVIDE ROBE HOOK ON INTERIOR FACE OF ALL TOILET ROOM DOORS WHEREIN ONLY ONE WATER CLOSET IS PROVIDED. MOUNT AT 3'-11" AFF TO TOP.





STRUCTURAL STEEL

- 1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING AISC DOCUMENTS:
AISC 360 'SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS'
AISC 303 'CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES'
AISC 308 'SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS'
AISC 341 'SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS'
2. STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:
WIDE FLANGE SHAPES AND ANGLES
MISCELLANEOUS SHAPES, PLATES & BARS (TO 8" THICK)
HOLLOW STRUCTURAL SECTIONS (HSS)
ASTM A992 (FY=60 KSI)
ASTM A36 (FY=36 KSI)
ASTM A500, GRADE C (FY=50 KSI)
ASTM A500 GRADE C (FY=46 KSI)
ASTM F3125 GRADE A505 OR F490 (TYPE 1)
ASTM F436 (FLAT AND BEVELLED)
ASTM A563
ASTM A563
ASTM F1852 GRADE F1852 OR F2280 (TYPE 1)
ASTM F959 (TYPE 325 OR 400)
ASTM F1554, GRADE 55 INCLUDE SUPPLEMENT S1
E70 (LOW HYDROGEN)
AWS D1.1 CLAUSE 9, TYPE B (FY=61 KSI)
ASTM A36
ASTM C-1035, ASTM A668, CLASS A
ASTM C-1035, ASTM A668, CLASS C
3. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 'STRUCTURAL WELDING CODE - STEEL'.
4. WHERE STRUCTURAL STEEL IS EXPOSED BELOW GRADE, PROVIDE MINIMUM 3" CONCRETE COVER OR COAT WITH BITUMINOUS MASTIC.
5. STRUCTURAL STEEL EXPOSED TO WEATHER IN THE FINISHED WORK SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123, UNLESS NOTED OTHERWISE.

COLD FORMED STEEL FRAMING

- 1. ALL STRUCTURAL COLD FORMED STEEL FRAMING (CFSF) SHALL COMPLY WITH AISI'S 'NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS'.
2. CFSF-S (STRUCTURAL) INCLUDES ALL EXTERIOR WALLS, SOFFITS, BULKHEADS AND CEILING JOISTS (IF SELF-SUPPORTING). PROVIDE DESIGN CALCULATIONS AND SUBMIT DESIGN CALCULATIONS, SECTION DRAWINGS AND DETAIL DRAWINGS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF SOUTH CAROLINA. REFER TO SECTION 05400 FOR ADDITIONAL INFORMATION.
3. CFSF-NS (NON-STRUCTURAL) INCLUDES INTERIOR NON-LOAD BEARING STUD WALLS AND SUSPENDED CEILING FRAMING SYSTEM. REFER TO SECTION 092216 FOR ADDITIONAL INFORMATION.
4. ALL FRAMING MEMBERS, BRIDGING AND ACCESSORIES SHALL BE FORMED FROM STEEL SHEET HAVING A GALVANIZED COATING IN ACCORDANCE WITH ASTM A653.
5. ALL C- SHAPED FRAMING MEMBERS SHALL HAVE A MINIMUM FLANGE WIDTH OF 1 5/8 INCHES.
6. MINIMUM YIELD STRENGTH SHALL BE AS FOLLOWS:
FY = 33,000 PSI 33 MILS AND 43 MILS
FY = 50,000 PSI 54 MILS, 59 MILS AND 97 MILS

POST INSTALLED ANCHORS & DOWELS

- 1. INSTALL ALL ANCHORS IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED PROCEDURES AT NOT LESS THAN THE MINIMUM EDGE DISTANCES INDICATED IN THE MANUFACTURER'S LITERATURE. SUBMIT MANUFACTURER'S PRODUCT DATA FOR REVIEW BY THE ARCHITECT.
2. ALL ANCHORS (INCLUDING THREADED RODS, NUTS, WASHERS) SHALL BE ZINC PLATED IN ACCORDANCE WITH ASTM B633, FOR SERVICE CONDITION SC-1.
3. SCREW ANCHORS SHALL BE ONE OF THE FOLLOWING:
SCREW-BOLT + BY DEWALT
TITEN HD, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
KWIK HUS-EZ, BY HILTI
HOLE DIAMETER THROUGH STEEL MEMBER SHALL BE AS REQUIRED BY ANCHOR MANUFACTURER.
MINIMUM SCREW ANCHOR EMBEDMENTS SHALL BE AS FOLLOWS, UNO:
4" EMBEDMENT FOR 1/2" DIAMETER ANCHOR
5" EMBEDMENT FOR 3/8" DIAMETER ANCHOR
6" EMBEDMENT FOR 3/4" DIAMETER ANCHOR
4. ADHESIVE ANCHORS SHALL CONSIST OF THREADED ROD (ASTM A36), HEX NUT (ASTM A563), WASHER (ASTM F436), AND ADHESIVE (TYPE PER NOTE A BELOW).
ADHESIVE DOWELS SHALL CONSIST OF DEFORMED REINFORCING BAR (ASTM A615, GRADE 60) AND ADHESIVE (TYPE PER NOTE A BELOW).
HYBRID (FAST CURE)
AC208+ BY DEWALT
ACRYLIC-TIE XP, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
HTH+ 220.V, BY HILTI
EPOXY (SLOW CURE)
PURE 110+, BY DEWALT
SET-XP, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
HIT REPAIR EPOXY ADHESIVE, BY HILTI

- 5. BASIS OF DESIGN INCLUDES THE FOLLOWING DESIGN PARAMETERS:
(1) CRACKED CONCRETE
(2) ALLOWABLE WITH HAMMER-DRILL, HOLLOW DRILL BIT SYSTEM, AND CORE DRILLING METHODS
(3) CURRENT ICC-ES REPORT WITH APPROVAL FOR DEVELOPMENT OF BAR USING ACI PROVISIONS FOR EMBEDMENT DEPTH'S GREATER THAN 20 BAR DIAMETERS.
INSTALL ANCHORS PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.
OVERHEAD ADHESIVE ANCHORS SHALL BE INSTALLED USING A PISTON PLUG SYSTEM.
ACICRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION IS REQUIRED FOR ALL INSTALLERS OF ADHESIVE ANCHORS IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATION. THE HILTI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM (HACICP) IS AN APPROVED EQUIVALENT.
THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ON-SITE INSTALLATION TRAINING FOR ALL ANCHOR PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD SHALL RECEIVE DOCUMENTED CONFIRMATION THAT ALL PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF ANCHOR INSTALLATION.
EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS BY GPR, X-RAY, CHIPPING OR OTHER APPROVED METHODS.

ACI 318 LAP LENGTHS

SPICES IN THE REINFORCING STEEL SHALL BE ONLY AT THE LOCATIONS SHOWN ON THE STRUCTURAL DRAWINGS. LAP SPICES SHALL BE IN ACCORDANCE WITH ACI 318 CHAPTER 25 AS INDICATED BELOW. TOP BAR LAPS (HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR) SHALL BE MODIFIED BY A MULTIPLICATION OF 1.3 TIMES THE LENGTHS LISTED IN THE TABLE BELOW. LENGTHS INDICATED IN INCHES.

Table with columns: f'c (psi), #3, #4, #5, #6, #7, #8, #9. Rows for 3000, 3500, 4000, 5000 psi concrete strengths.

FIBER REINFORCING

- 1. SYNTHETIC MACRO-FIBER MAY BE SUBSTITUTED FOR WELDED WIRE FABRIC IN SLAB-ON-GRADE, AND SHALL CONFORM TO ASTM C1116, TYPE III SYNTHETIC FIBER REINFORCED CONCRETE.
DOSAGE RATES SHALL BE DETERMINED BY FIBER MANUFACTURER TO PROVIDE FRC EQUIVALENT FLEXURAL STRENGTH (F) EQUAL TO THE PERFORMANCE OF THE REINFORCING STEEL INDICATED FOR EACH SLAB CASE. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ASTM C1609. DOSAGE SHALL NOT BE LESS THAN 3 LB PER CU YD IN ANY CASE.
2. FIBER SHALL BE ADDED AT THE CONCRETE BATCH PLANT.
3. FIBER SHALL BE INCLUDED IN THE CONCRETE MIX DESIGNS SUBMITTED FOR REVIEW.

FLOWABLE FILL

- 1. CONTROLLED LOW STRENGTH MATERIAL (CLSM), ALSO REFERRED TO AS FLOWABLE FILL, MAY BE SUBMITTED FOR APPROVAL AS A SUBSTITUTE FOR COMPACTED FILL AT FOUNDATION UNDERCUT LOCATIONS. THE CLSM MIXTURE SHALL BE PROPORTIONED TO PRODUCE AN UNCONFINED COMPRESSIVE STRENGTH OF 100 PSI MINIMUM TO 300 PSI MAXIMUM.

GENERAL

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SOUTH CAROLINA BUILDING CODE (SCBC, 2021 EDITION), EFFECTIVE JANUARY 1, 2023.
2. THE STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND THE DRAWINGS OF THE OTHER ENGINEERING DISCIPLINES.
3. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUANTITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
4. VERIFY AND COORDINATE MECHANICAL UNIT SUPPORTS AND OPENINGS WITH EQUIPMENT PURCHASED FOR THE PROJECT. COORDINATE REQUIREMENTS FOR SLEEVES, HANGERS, INSERTS, ANCHORS AND ALL OTHER ITEMS TO BE SET IN STRUCTURAL WORK.
5. SPECIAL INSPECTIONS ARE REQUIRED BY THE SCBC, SECTION 1704. REFER TO THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THIS PROJECT AND THE PROJECT SPECIFICATIONS FOR SPECIFIC INSPECTION REQUIREMENTS. REFER TO SPECIFICATION SECTION 014000 FOR GENERAL INSPECTION REQUIREMENTS. SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS IN COMPLIANCE WITH BC SECTION 1704.2.4 USE OF "GENERAL CONFORMANCE" OR "GENERAL ACCORDANCE" IS UNACCEPTABLE.
6. CONTRACTOR SHALL CONDUCT PRE-INSTALL MEETINGS ON PROJECT SITE PRIOR TO COMMENCEMENT OF WORK. REFER TO PROJECT SPECIFICATIONS FOR SPECIFIC REQUIREMENTS. GENERAL CONTRACTOR WILL CONDUCT THE MEETING AND SHALL BE RESPONSIBLE FOR THE ATTENDANCE OF ALL REQUIRED TRADES AND SUBCONTRACTORS INCLUDING THE SPECIAL INSPECTOR.

FOUNDATIONS

- 1. FOUNDATIONS ARE DESIGNED TO BEAR ON CONTROLLED COMPACTED FILL WITH AN ALLOWABLE BEARING CAPACITY OF 2,000 PSF. FOUNDATION DESIGN CRITERIA IS IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT PREPARED BY S&ME, INC. DATED JANUARY 31, 2024.
2. THE GEOTECHNICAL ENGINEER FOR THE OWNERS TESTING AGENCY SHALL VERIFY BEARING CAPACITY AND SUITABILITY OF SUBGRADE PRIOR TO PLACING FOUNDATIONS AND GRADE SLABS.
3. SELECT AND PLACE CONTROLLED COMPACTED FILL UNDER DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER FOR THE OWNERS TESTING AGENCY.
4. COORDINATE TOP OF FOOTING ELEVATIONS WITH ACTUAL LOCATION, SIZE AND INVERT OF ALL UNDERGROUND PIPE (AND CONDUIT). IF UNDERGROUND PIPE (AND CONDUIT) MUST CROSS FOOTING, TOP OF FOOTING ELEVATION SHALL ALLOW UNDERSLAB PIPING TO PASS ABOVE THE FOOTING.
5. AVOID INFLUENCE OF PIPE TRENCH ADJACENT TO COLUMN FOOTING. REFER TO "FOOTING EXCAVATION LIMITS".
6. PROTECT FOOTINGS AND GRADE SLABS FROM FROST HEAVE UNTIL BUILDING IS PERMANENTLY ENCLOSED.

CONCRETE

- 1. ALL CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318 'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE' AND ACI 301 'STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE'.
2. CONCRETE SHALL BE NORMAL WEIGHT AND SHALL OBTAIN ULTIMATE 28 DAY COMPRESSIVE STRENGTHS (F'c), AS FOLLOWS:

Table: CONCRETE MATERIAL SCHEDULE (NOTE 11). Columns: BUILDING ELEMENT, DURABILITY REQUIREMENTS, f'c (psi), MAX W/C, AIR ENTRAINMENT, UNIT WEIGHT, MAX AGGREGATE, CEMENT, CL %.

- 3. THE DURABILITY EXPOSURE CLASS IDENTIFIED BY THE ENGINEER OF RECORD, IN ACCORDANCE WITH ACI 318, FOR EACH MIX DESIGN/BUILDING ELEMENT AND EXPOSURE CLASS, IS BASED ON ASSUMED SEVERITY OF THE ANTICIPATED EXPOSURE. IF THE CONCRETE IS TO BE INSTALLED IN A LOCATION OR CONDITION THAT IS MORE SEVERE THAN THE EXPOSURE IDENTIFIED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR ADJUST THE CONCRETE MIX REQUIREMENTS AS REQUIRED PER ACI 318.

- A. EXPOSURE CATEGORIES:
(F) FREEZE/THAW
(S) SULFATE
(W) WATER/PERMEABILITY
(C) CORROSION PROTECTION
4. MAX W/C REFERS TO MAXIMUM WATER TO CEMENTITIOUS MATERIALS RATIO. MIXING WATER SHALL CONFORM TO ASTM C1602.
5. TARGET AIR ENTRAINMENT: +1.5%. ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED. AIR ENTRAINMENT IS OPTIONAL FOR FOOTINGS AND GRADE BEAMS NOT EXPOSED TO FREEZING.
6. DRY UNIT WEIGHT ±5 PCF. AGGREGATES TO CONFORM TO ASTM C33 FOR NORMAL WEIGHT CONCRETE (NWC).
7. CONCRETE BUILDING ELEMENTS IDENTIFIED WITH EXPOSURE CATEGORY F3 REQUIRE LIMITATIONS ON CEMENTITIOUS MATERIALS AS FOLLOWS:
• CEMENTITIOUS MATERIAL MAX % OF TOTAL CEMENTITIOUS MATERIALS BY MASS
• FLY ASH (ASTM C618) 25
• SLAG CEMENT (ASTM C989) 50
• SILICA FUME (ASTM C1240) 10
• TOTAL FLY ASH, OTHER POZZOLANS AND SILICA FUME 35
• TOTAL FLY ASH, OTHER POZZOLANS, SILICA FUME AND SLAG 50
8. SLABS RECEIVING A HARD TROWEL FINISH SHALL NOT BE AIR-ENTRAINED AND SHALL HAVE A TOTAL AIR CONTENT OF NOT MORE THAN 3%.
9. COMBINED AGGREGATE GRADING SHALL BE AS FOLLOWS:
• FOR COARSE AGGREGATE WITH 1 1/2" NOMINAL MAXIMUM AGGREGATE SIZE, 8% TO 18% (BY WEIGHT) OF AGGREGATE SHALL BE RETAINED ON EACH SIEVE BELOW THE MAXIMUM AGGREGATE SIZE SIEVE AND ABOVE THE #100 SIEVE.
• FOR COARSE AGGREGATE WITH 3/4" OR 1" NOMINAL MAXIMUM AGGREGATE SIZE, 8% TO 22% (BY WEIGHT) OF AGGREGATE SHALL BE RETAINED ON EACH SIEVE BELOW THE MAXIMUM AGGREGATE SIZE SIEVE AND ABOVE THE #100 SIEVE.
10. MAX WATER SOLUBLE CHLORIDE ION CONTENT PERCENTAGE, BY WEIGHT OF CEMENT.
11. CONCRETE BUILDING ELEMENTS SHALL BE ESTABLISHED IN ACCORDANCE WITH ARTICLE 4.2.3 OF ACI 301 OR BY AN ALTERNATIVE METHOD ACCEPTABLE TO THE ENGINEER OF RECORD. EACH MIX DESIGN SHALL IDENTIFY THE INTENDED LOCATION OF USE.
12. REINFORCING STEEL SHALL BE AS FOLLOWS:
• REINFORCING BARS: ASTM A615, GRADE 60, DEFORMED
• WELDED WIRE FABRIC: ASTM A1064 SHEET TYPE ONLY
• WELDABLE REINFORCING BARS: ASTM A706 LOW ALLOW STEEL REINFORCING BARS, DEFORMED
• DEFORMED BAR ANCHORS (DBA) ASTM A1064, DEFORMED
• WELDING PER AWS D1.4 STRUCTURAL WELDING CODE - REINFORCING STEEL
13. MINIMUM CONCRETE COVER OVER REINFORCING SHALL BE UNO:
A. UNFORMED SURFACE CAST AGAINST EARTH 3 IN
B. FORMED SURFACE EXPOSED TO EARTHWEATHER 2 IN
C. FORMED SLABS AND WALLS NOT EXPOSED TO EARTHWEATHER FOR #11 AND SMALLER BAR 3/4 IN
D. ALL OTHER FORMED ELEMENTS NOT EXPOSED TO EARTHWEATHER 1 1/2 IN

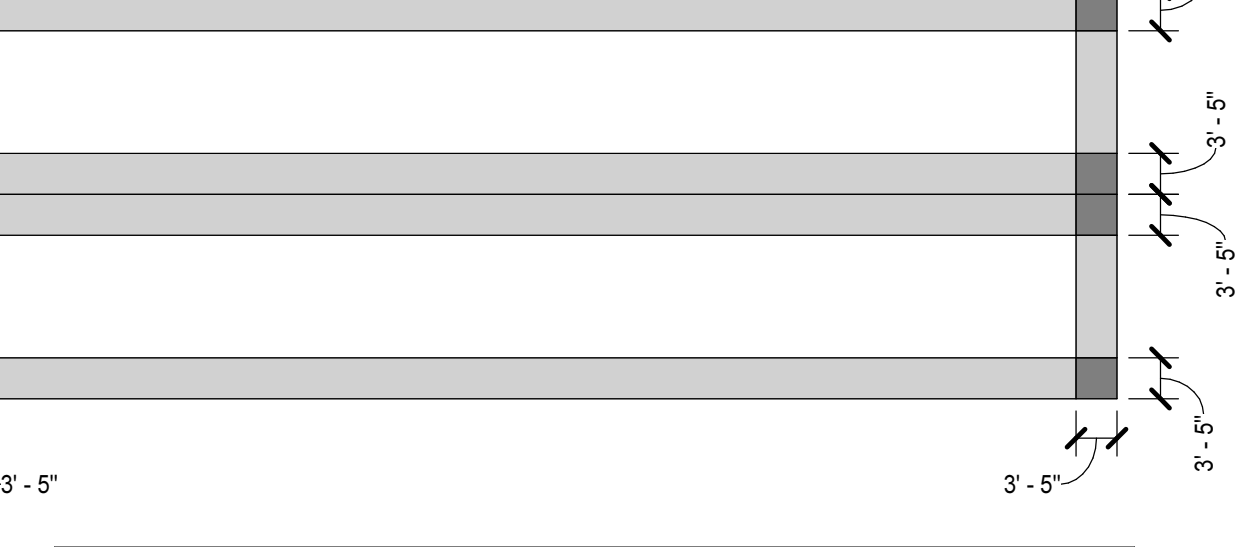


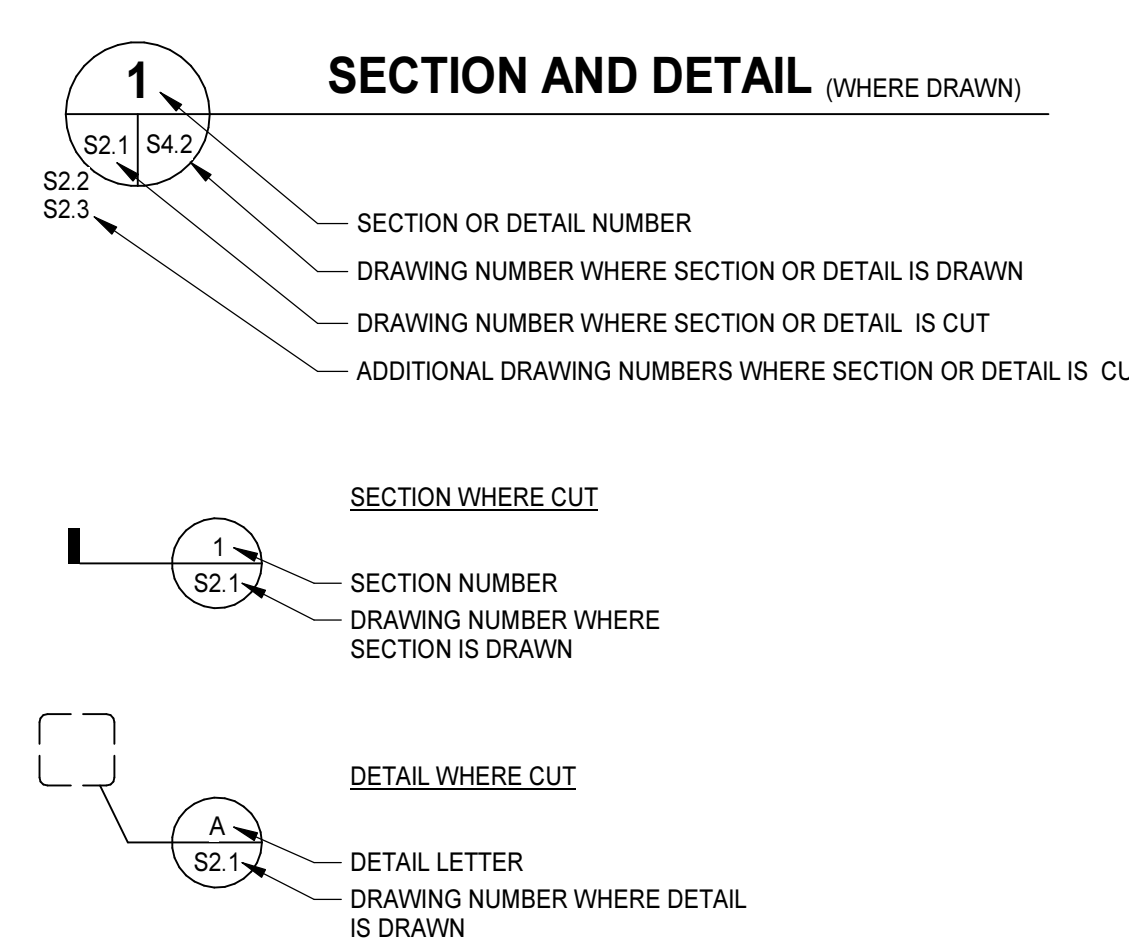
Table: COMPONENTS AND CLADDING DESIGN WIND PRESSURE (ULTIMATE DESIGN PSF). Columns: ZONE, AREA ≤ 10 FT², AREA ≤ 25 FT², AREA ≤ 50 FT², AREA ≤ 100 FT².

- COMPONENTS AND CLADDING ROOF WIND PRESSURE DIAGRAM NOTES:
1. PRESSURE INDICATED ARE FOR ALLOWANCE STRESS DESIGN PER ASCE 7-16.
2. EFFECTIVE WIND AREA SHALL BE DETERMINED IN ACCORDANCE WITH ASCE 7-16.
3. REDUCTION FACTORS FOR EFFECTIVE WIND AREAS ARE ALLOWED AS DEFINED BY TABLE 30.6.2 OF ASCE 30.6.2 OF ASCE 7-16.
4. ROOF ZONE 1, UNLESS OTHERWISE INDICATED.
5. ZONE 2 IS INDICATED BY: [Symbol]
6. ZONE 3 IS INDICATED BY: [Symbol]
7. INTERIOR REGIONS OF WALLS ARE ZONE 4 AND CORNER REGIONS OF WALLS ARE ZONE 5.
8. (+) INDICATES PRESSURES ACTING TOWARDS ROOF (INWARDS).
(-) INDICATES PRESSURES ACTING AWAY FROM ROOF (OUTWARDS).
9. ROOF DEAD LOAD SHALL BE TAKEN AS 10 PSF FOR UPLIFT RESISTANCE.
10. ROOF OVERHANGS SHALL BE DESIGNED FOR THE OVERHANGS PRESSURE FOR THE ZONE IN WHICH THEY ARE LOCATED. POSITIVE PRESSURE SHOWN IS FOR THE ROOF. SUFFITS SHALL BE DESIGNED FOR THE CORRESPONDING WALL POSITIVE PRESSURE.

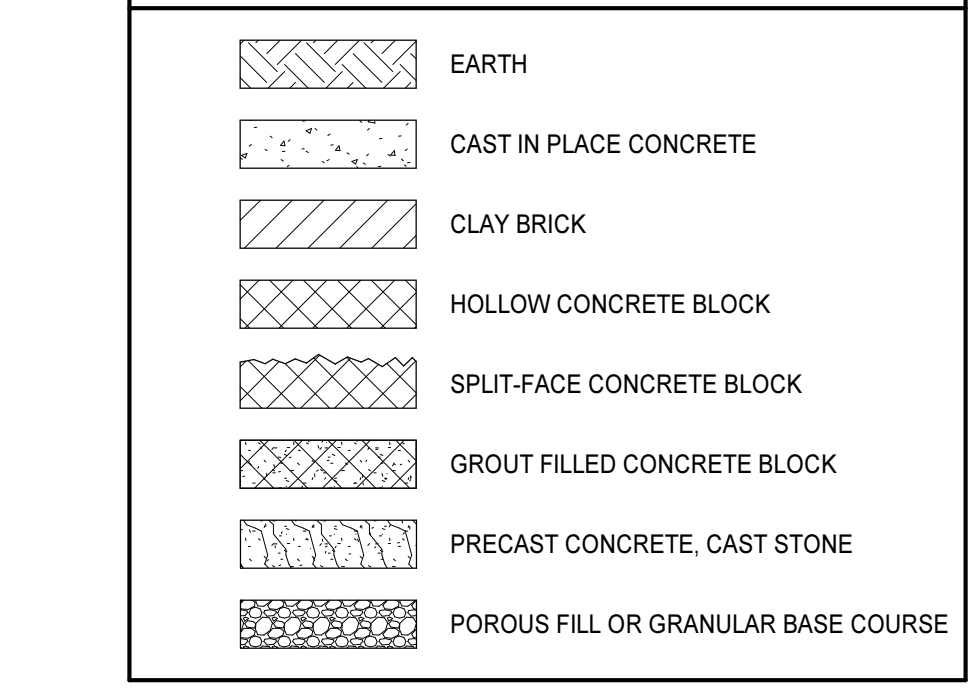
DESIGN LOAD DATA

- 1. CLASSIFICATION OF BUILDING RISK CATEGORY (SCBC TABLE 1804.5) III
2. FLOOR LIVE LOADS UNIFORM CONCENTRATED
OFFICES 50 PSF 2000 LB
LOBBIES AND FIRST FLOOR CORRIDORS 100 PSF 2000 LB
LIGHT STORAGE 125 PSF
MECHANICAL/ELECTRICAL ROOMS 150 PSF
CONCENTRATED LOAD APPLIED OVER 2'-6" x 2'-6" AREA.
REDUCTION OF FLOOR LIVE LOAD HAS NOT BEEN UTILIZED.
3. ROOF LIVE LOADS 20 PSF 300 LB
MINIMUM ROOF LIVE LOAD
CONCENTRATED LOAD APPLIED OVER 2'-6" x 2'-6" AREA.
REDUCTION OF MINIMUM ROOF LIVE LOAD HAS NOT BEEN UTILIZED.
4. ROOF SNOW LOAD
GROUND SNOW LOAD (Pg) 5 PSF
IMPORTANCE FACTOR (Ia) 1.1
EXPOSURE FACTOR (Ce) 1.0
THERMAL FACTOR (Ct) 1.0
FLAT ROOF SNOW LOAD (Pf = 0.7 x Ce x Ct x Is x Pg) 3.9 PSF
MINIMUM Pf FOR Pg = 20 PSF OR LESS
Pmin = 1 x Pg 5.5 PSF
SLOPED ROOF SNOW LOAD (Ps = Cs x Pf) 3.9 PSF
5. WIND DESIGN DATA
ULTIMATE DESIGN WIND SPEED (3 SECOND GUST) 155 MPH
NOMINAL DESIGN WIND SPEED (3 SECOND GUST) 120 MPH
EXPOSURE C
INTERNAL PRESSURE COEFFICIENT (Cp) ±0.18 (ENCLOSED)
COMPONENTS AND CLADDING WIND PRESSURE REFER TO DRAWING S0.0.2 (PER BSC & ACE7)
6. SEISMIC DESIGN DATA
SEISMIC DESIGN CATEGORY D
SEISMIC IMPORTANCE FACTOR (Ia) 1.25
SITE CLASS 1
MAPPED SPECTRAL RESPONSE ACCELERATIONS (Sa) 0.475
POUNDS PER SQUARE FOOT (S1) 0.158
DESIGN SPECTRAL RESPONSE ACCELERATIONS (Sa) 0.45
RADIUS (S2) 0.24
POLY-TETRAFLUOROETHYLENE (S3) 0.24
BASIC SEISMIC FORCE RESISTING SYSTEM: C. MOMENT-RESISTING FRAME SYSTEMS
4. STEEL ORDINARY MOMENT FRAMES
RESPONSE MODIFICATION COEFFICIENT (R) 3.5
SYSTEM OVERSTRENGTH FACTOR 3.0
DEFLECTION AMPLIFICATION FACTOR 3.0
SEISMIC RESPONSE COEFFICIENT (Ca) 0.1606
DESIGN BASE SHEAR (V = Cs x W) 0.1606W
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

LEGEND FOR SECTION AND DETAIL MARKS



STRUCTURAL MATERIALS LEGEND



STRUCTURAL ABBREVIATIONS

Table with columns: Abbreviation, Description, Abbreviation, Description. Includes items like ANCHOR BOLT, ARCHITECTURALLY EXPOSED STRUCTURAL STEEL, ABOVE FINISHED FLOOR, ALUMINUM, APPROXIMATE, ARCHITECTURAL ARCHITECT, AVERAGE, BUILDING, BEAM, BUILDING MOUNTED CANOPIES, BOTTOM, BEARING, BETWEEN, CANTILEVER, COLD FORMED STEEL FRAMING, CAST IN PLACE, CONTROL JOINT, CEILING, CLEAR, CONCRETE MASONRY UNIT, COLUMN, CONCRETE, CONNECTION, CONSTRUCTION, CENTER, DEFORMED BAR ANCHOR, DIAMETER, DIAGONAL, DIMENSION, DOWN, DRAWING, EACH, EACH FACE, EXPANSION JOINT, ELEVATION, ELECTRICAL, ELEVATOR, EDGE OF DECK, EDGE OF SLAB, EQUAL, EACH WAY, EXISTING, EXPANSION, EXTERIOR, FIXED BASE, FLOOR DRAIN, FOUNDATION, FINISHED FLOOR, FINISHED, FLOOR, FACE OF BRICK, FACE OF CONCRETE, FACE OF MASONRY, FRAMING, FIRE RETARDANT TREATED, FOOT, FOOTING, GAGE, GALVANIZED, GRADE BEAM, GENERAL CONTRACTOR, GRADE, HEADED, HOOK, HORIZONTAL, HIGH STRENGTH.

PLAN LEGEND

Table with columns: Symbol, Description. Includes CENTERLINE, JOIST BEARING ELEVATION, BEAM BEARING PLATE, COLUMN BASE PLATE, WOOD HEADER, WOOD JOIST, TRUSS, WOOD POST, CONCRETE PIER, JOIST SUBSTITUTE, CONSTANT SHEAR JOIST, SPECIAL JOIST, WALL FOOTING STEP, TOP OF FOOTING ELEVATION, WORK POINT, TOP OF SLAB ELEVATION, LINTEL, COLUMN FOOTING, TOP OF STEEL BEAM ELEVATION, INDICATES TOP OF STRUCTURAL MEMBER SHALL BE IN SAME PLANE AS TOP OF JOIST, INDICATES TOP OF STRUCTURAL MEMBER SHALL BE SLOPED, WALL FOOTING, THICKENED SLAB, STEEL JOIST BOTTOM CHORD EXTENSION, WELDED, STEEL BEAM MOMENT CONNECTION, EXISTING, TRANSFER FORCE, CMU WALL REINFORCING SIZE AND SPACING, CHANGE IN SLAB ELEVATION, TOP CHORD EXTENSION.



Table with 5 columns: Inspections & Testing, Continuous/Periodic, Y/N, Reference Standard or Compliance Document, Agent. Includes sections for Inspection Agents, 1704.2.4 Report Requirement, 1704.2.5 Inspection of Fabricated Items, 1704.4 Contractor Responsibility, 1704.5 Submittals to the Building Official, 1704.6 Structural Observation, and 1706.2 Steel Construction.

Table with 5 columns: Inspections & Testing, Reference Standard or Compliance Document, Agent. Includes sections for After Welding (AISC 360-16 Table NS.4-3), Nondestructive Testing (AISC 360-16 Section NS.5), Prior to Welding (AISC 341-16 Table JB.1), During Welding (AISC 341-16 Table JB.2), After Welding (AISC 341-16 Table JB.3), and Prior to Bolting (AISC 360-16 Table NS.6-1).

Table with 5 columns: Inspections & Testing, Reference Standard or Compliance Document, Agent. Includes sections for During Bolting (AISC 360-16 Table NS.6-2), Other Inspection Tasks (AISC 360-16 Section NS.8), 1705.2 Cold-Formed Steel Deck, 1705.3 Concrete Construction, 1705.16 Mastic and Intumescent Fire-Resistant Coatings, 1705.17 Exterior Insulation and Finish Systems (EIFS), 1705.18 Fire-resistant Penetrations and Joints, and 1705.19 Smoke Control.

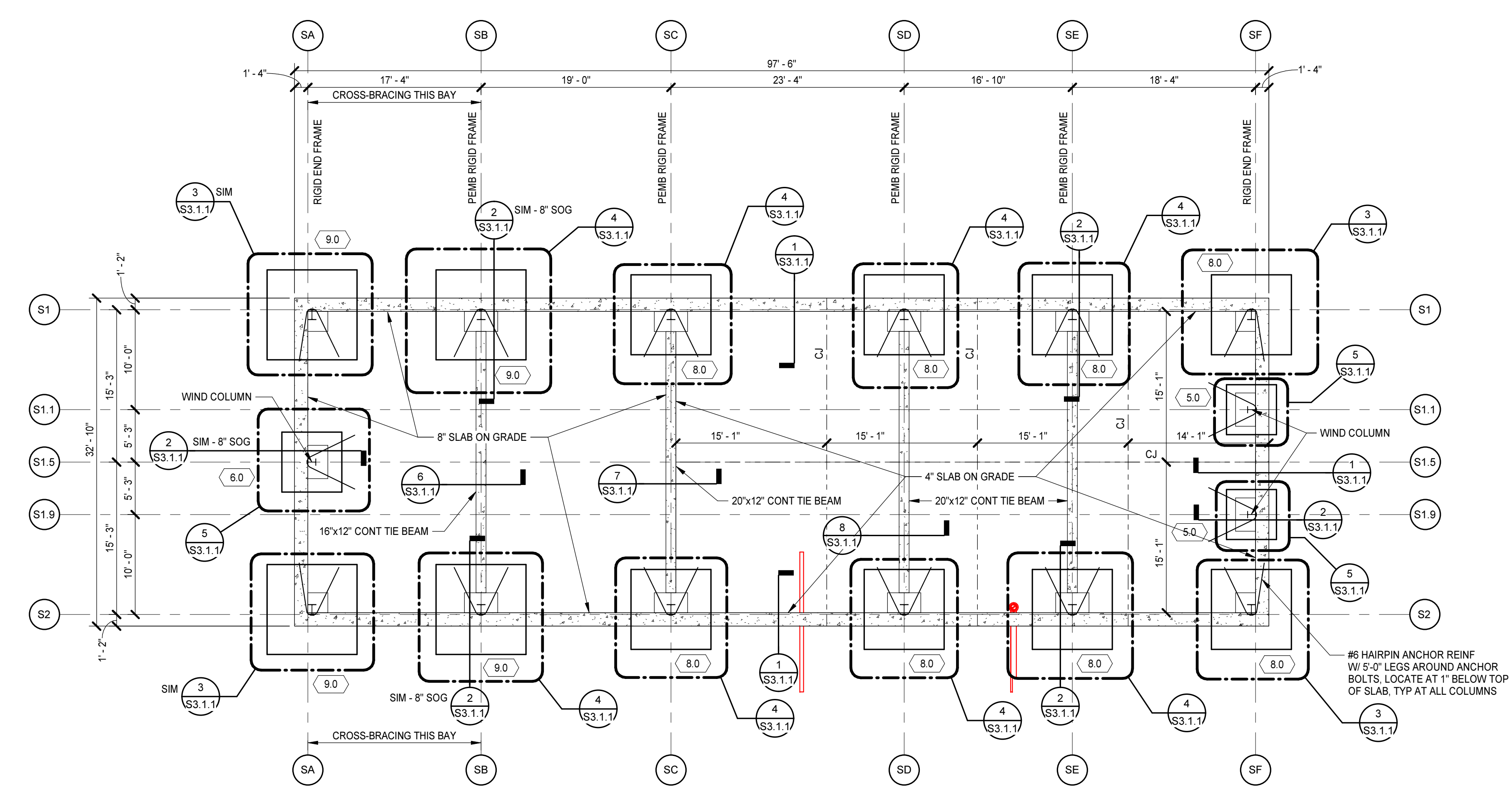
Table with 5 columns: Inspections & Testing, Continuous/Periodic, Y/N, Reference Standard or Compliance Document, Agent. Includes sections for 1705.6 Soils, 1705.12 Wind Resistance, 1705.13 Seismic Resistance, 1705.14 Testing and Qualification for Seismic Resistance, 1705.15 Sprayed Fire-Resistant Materials (SFRM), and 1705.16 Mastic and Intumescent Fire-Resistant Coatings.



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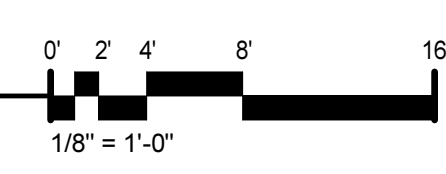
GEORGETOWN COUNTY CORONER'S OFFICE

GEORGETOWN COUNTY  
GEORGETOWN, SOUTH CAROLINA



**FIRST FLOOR PLAN FOUNDATION**

1/8" = 1'-0"



1/8" = 1'-0"

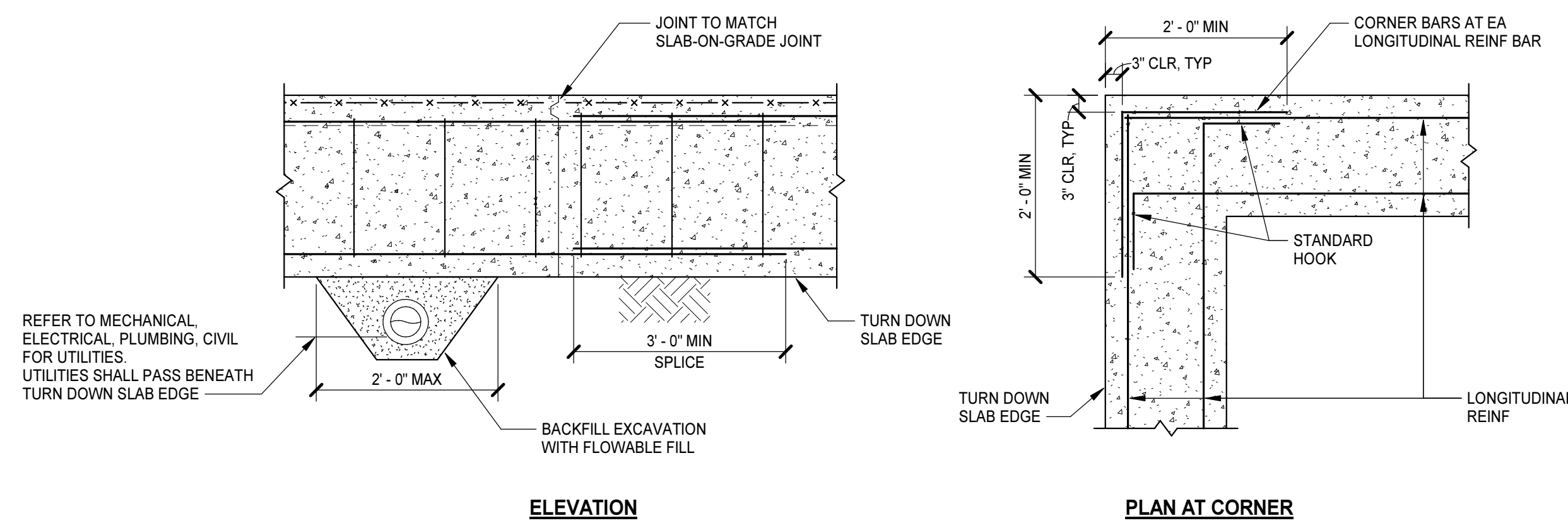
**FOUNDATION PLAN NOTES:**

1. FINISHED FIRST FLOOR ELEVATION = 19.60' = REFERENCE DATUM EL (+0'-0"). ALL STRUCTURAL ELEVATIONS INDICATED ARE REFERENCED FROM THIS ELEVATION, UNO.
2. FLOOR CONSTRUCTION SHALL BE 4" NORMAL WEIGHT CONCRETE SLAB ON GRADE REINFORCED WITH #6-W/2.9 W/WF (AT 1" FROM TOP OF SLAB) OVER VAPOR BARRIER OVER 6" GRANULAR BASE COURSE, UNO.
3. 8" NORMAL WEIGHT CONCRETE SLAB ON GRADE REINFORCED WITH #5 AT 12" ON CENTER AT MID-DEPTH OVER VAPOR BARRIER OVER 6" GRANULAR BASE COURSE, UNO. JOINTS ARE NOT PERMITTED IN THIS SLAB. POUR SLAB, SLAB EDGE TURNDOWN, AND PIERS MONOLITHICALLY.
4. BASE COURSE SHALL BE A CLEAN, DENSELY-GRADED "CRUSHER RUN" MATERIAL WITH A BALANCED FINE CONTENT, SUCH AS MATERIAL IN THE SCDOT QUALIFIED PRODUCT LIST 2. THE BASE COURSE SHALL BE COMPACTED AND SHALL BE FINISHED TO A FLAT, SMOOTH, LOW-FRICTION SURFACE. COMPACTION SHALL BE MONITORED BY THE ON-SITE TESTING AGENCY. OPEN GRADED STONE, SUCH AS #57 STONE, IS NOT ACCEPTABLE.
5. COORDINATE TOP OF FOOTING ELEVATIONS WITH ALL UNDERSLAB UTILITIES. REFER TO FOUNDATION NOTE #4 ON DRAWING S0.0.1.
6. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.
7. REFER TO DRAWINGS S3.0.1 FOR TYPICAL FOUNDATION, SLAB DETAILS AND SCHEDULES.

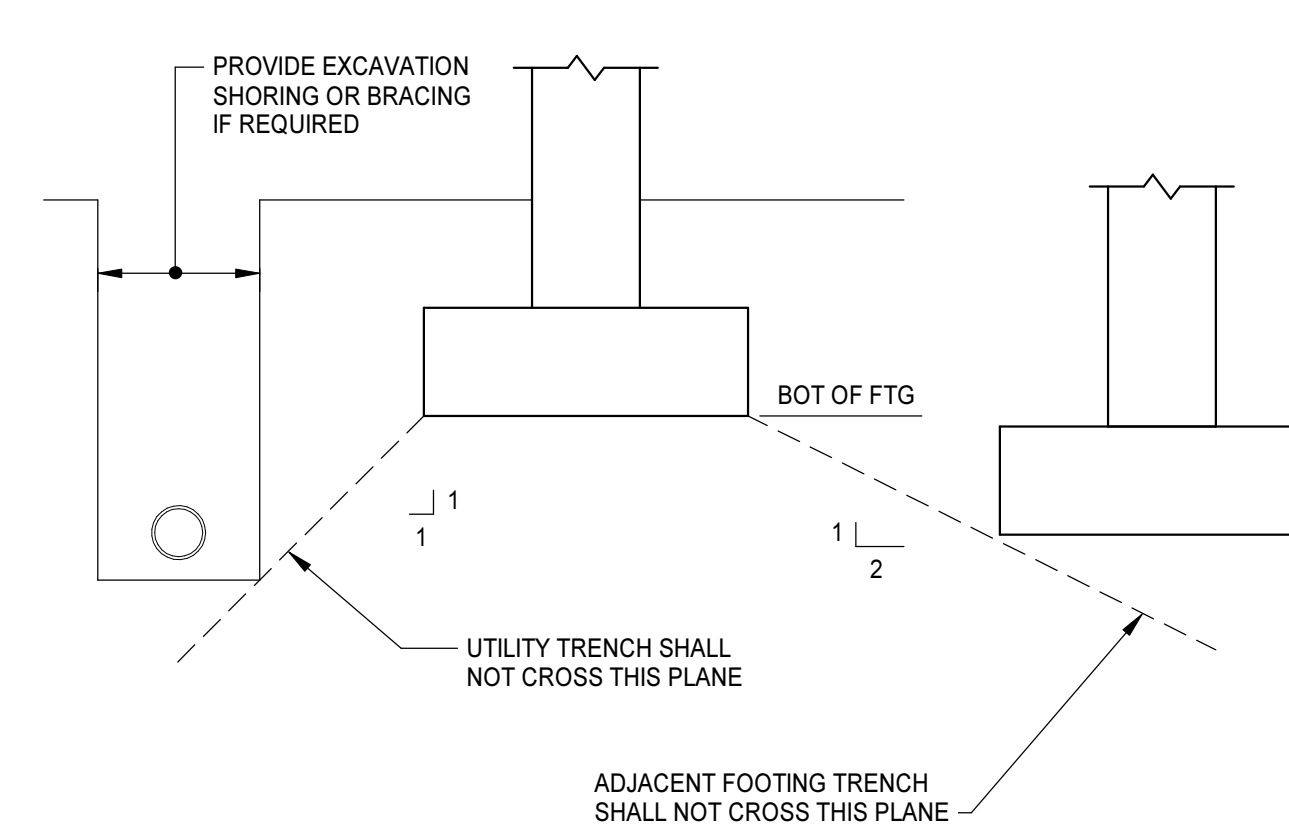
PROJECT NO:	611315
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FOUNDATION PLAN

S1.1.1

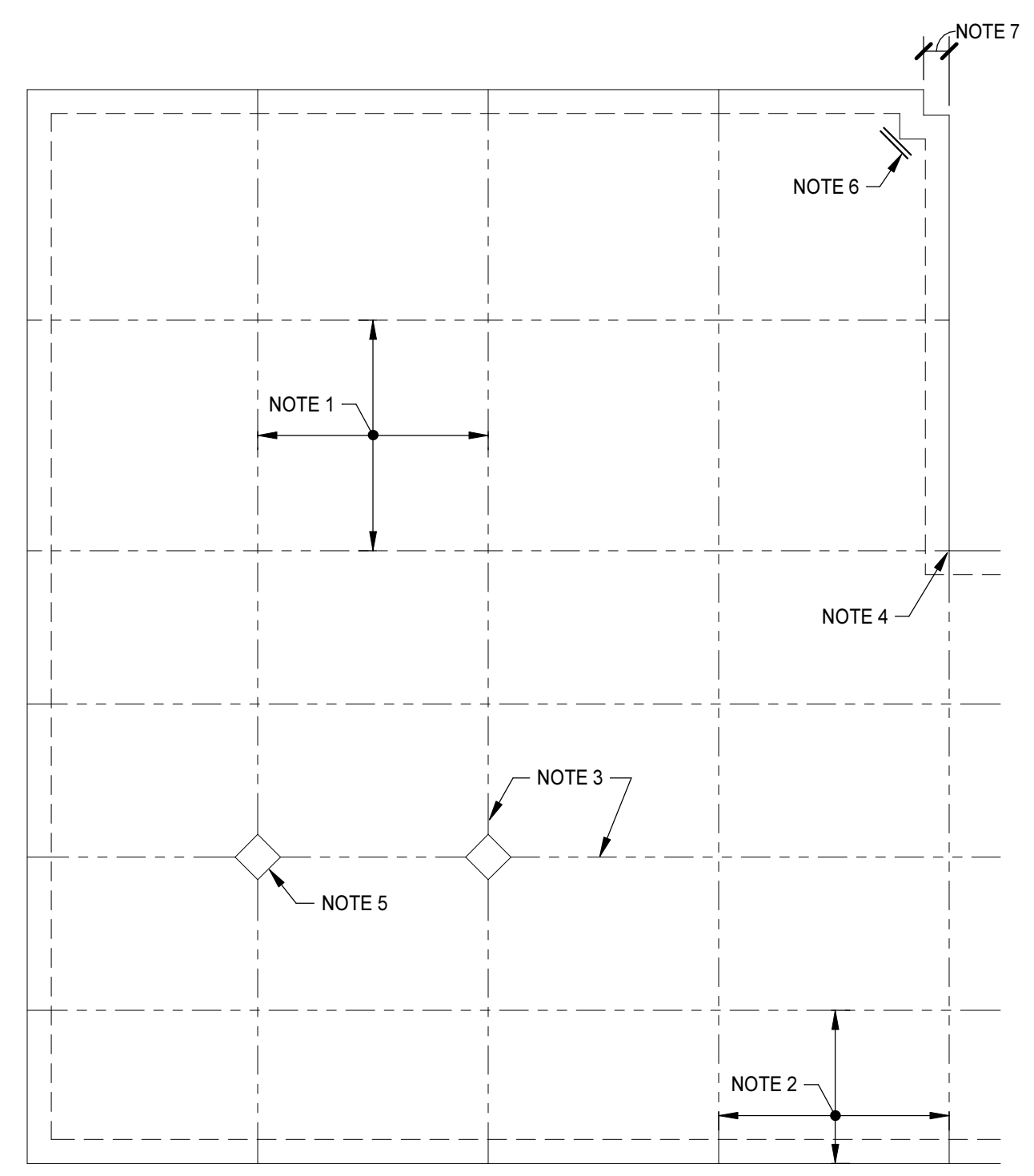


**CONCRETE TURN DOWN SLAB EDGE DETAILS**  
NO SCALE



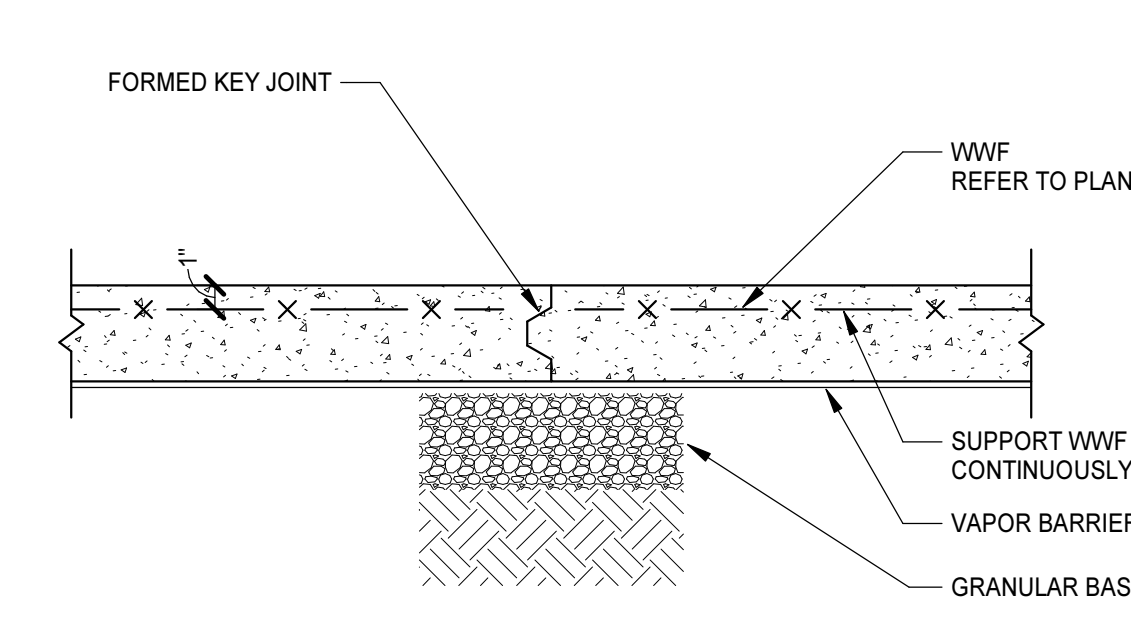
**FOOTING EXCAVATION LIMITS**  
NO SCALE

MARK	SIZE			REINFORCING
	LENGTH	WIDTH	THICKNESS	
5.0	5'-0"	3'-0"	1'-0"	(5) #5 EA WAY BOT
6.0	6'-0"	6'-0"	1'-0"	(6) #5 EA WAY BOT
8.0	8'-0"	8'-0"	1'-7"	(9) #6 EA WAY TOP & BOT
9.0	9'-0"	9'-0"	1'-10"	(10) #6 EA WAY TOP & BOT

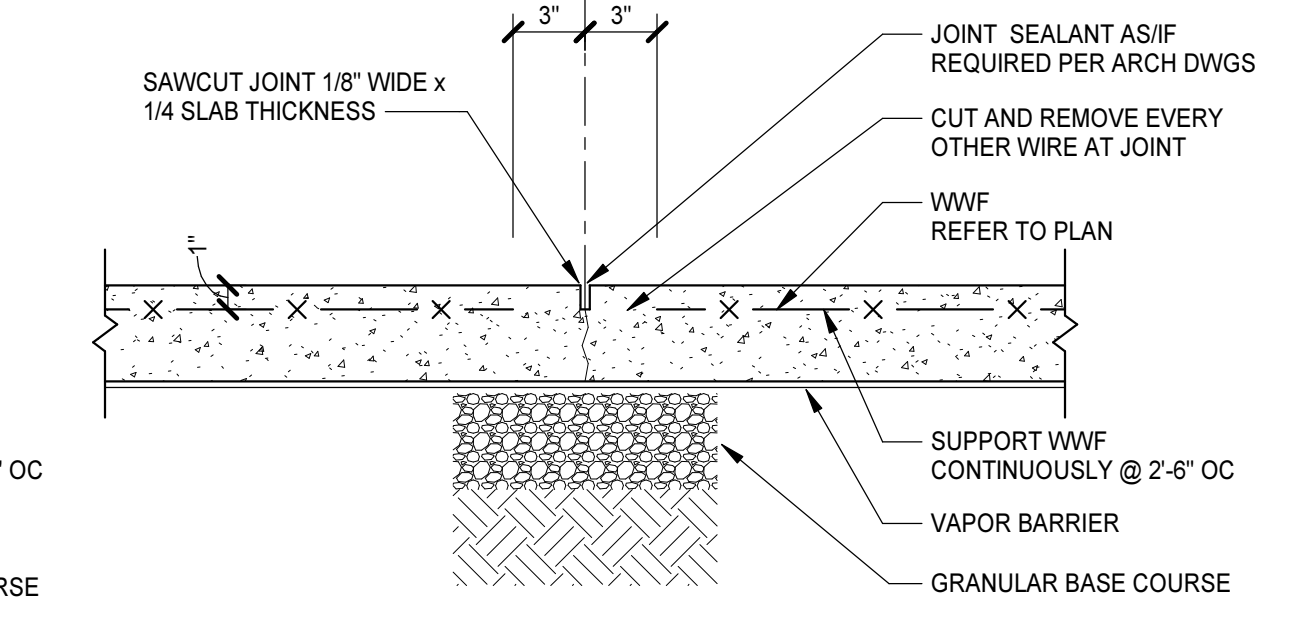


**SLAB-ON-GRADE JOINT LAYOUT GUIDELINES**  
NO SCALE

- NOTES:**
1. PROVIDE CONTROL JOINTS IN SLABS ON GRADE WITHIN THE BUILDING SUCH THAT THE AREA BOUNDED BY CONTROL JOINTS DOES NOT EXCEED 225 SQUARE FEET AND JOINT SPACING DOES NOT EXCEED 15'-0" ON CENTER IN ANY ONE DIRECTION.
  2. THE RATIO OF LENGTH TO WIDTH OF THE AREA BOUNDED BY CONTROL JOINTS SHALL NOT EXCEED 1.5 TO 1.
  3. LOCATE CONSTRUCTION JOINTS AND OR CONTROL JOINTS AT COLUMN CENTERLINES.
  4. LOCATE CONSTRUCTION JOINTS AND OR CONTROL JOINTS AT RE-ENTRANT CORNERS.
  5. PROVIDE DIAMOND OR CIRCULAR BLOCKOUTS AT COLUMNS.
  6. REINFORCE ALL RE-ENTRANT CORNERS OF SLAB PER "SLAB REINFORCING AT RE-ENTRANT CORNERS".
  7. CONTROL JOINT NOT REQUIRED IF DIMENSION AT RE-ENTRANT CORNER IS 2'-0" OR LESS. PROVIDE REINFORCING PER "SLAB REINFORCING AT RE-ENTRANT CORNER".
  8. CONTROL JOINT / CONSTRUCTION JOINT PLANS SHALL BE SUBMITTED FOR REVIEW.



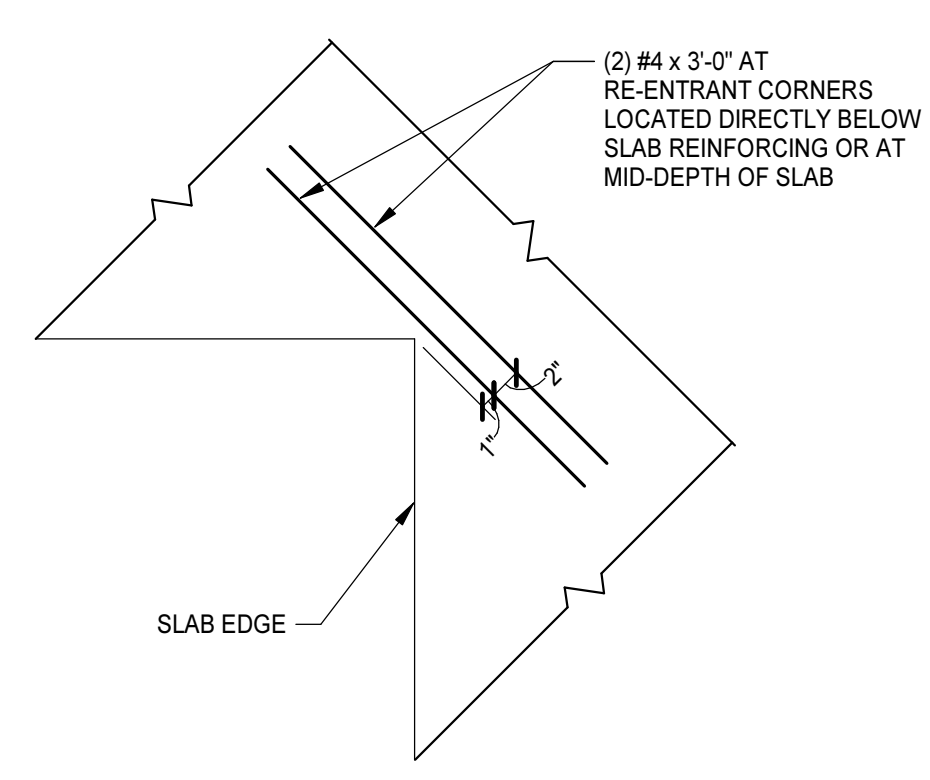
**CONSTRUCTION JOINT**



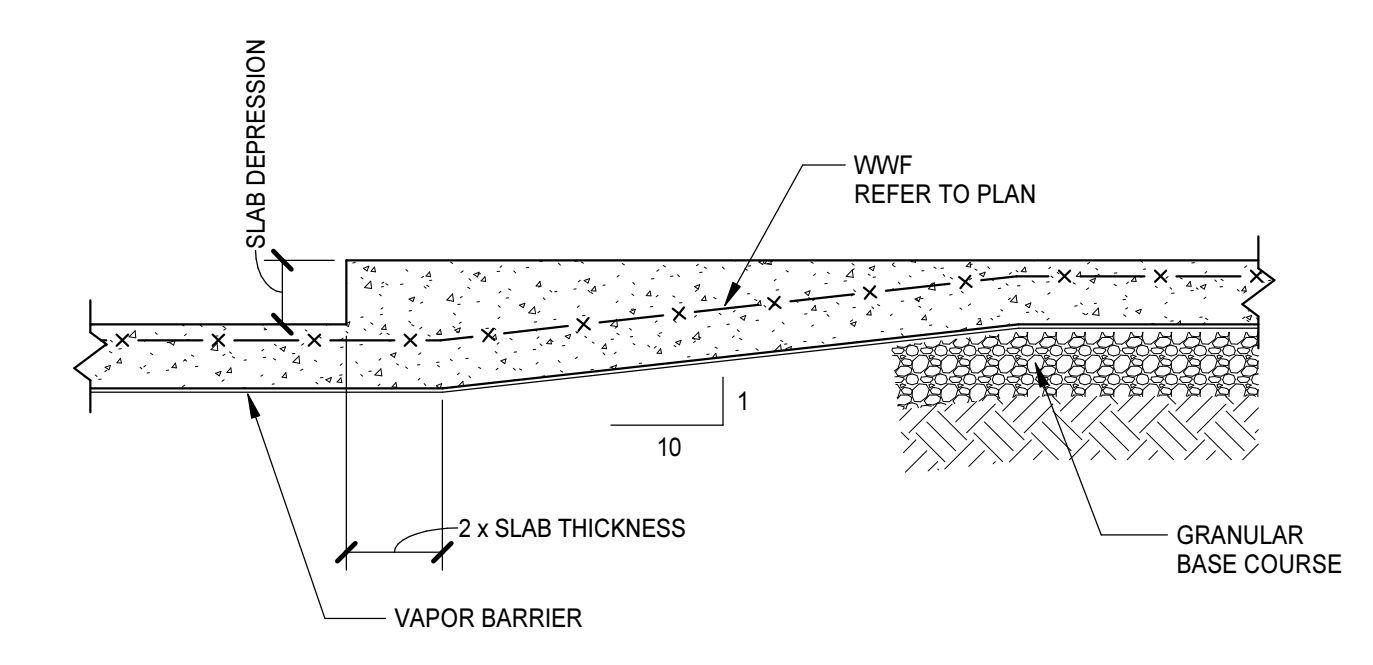
**CONTROL JOINT**

- NOTES:**
1. SAWCUT AS SOON AS CONCRETE WILL SUPPORT EQUIPMENT AND EARLY ENOUGH TO PREVENT CRACKING. DO NOT DISLODGE AGGREGATE.
  2. CONSTRUCTION JOINT MAY REPLACE CONTROL JOINT.

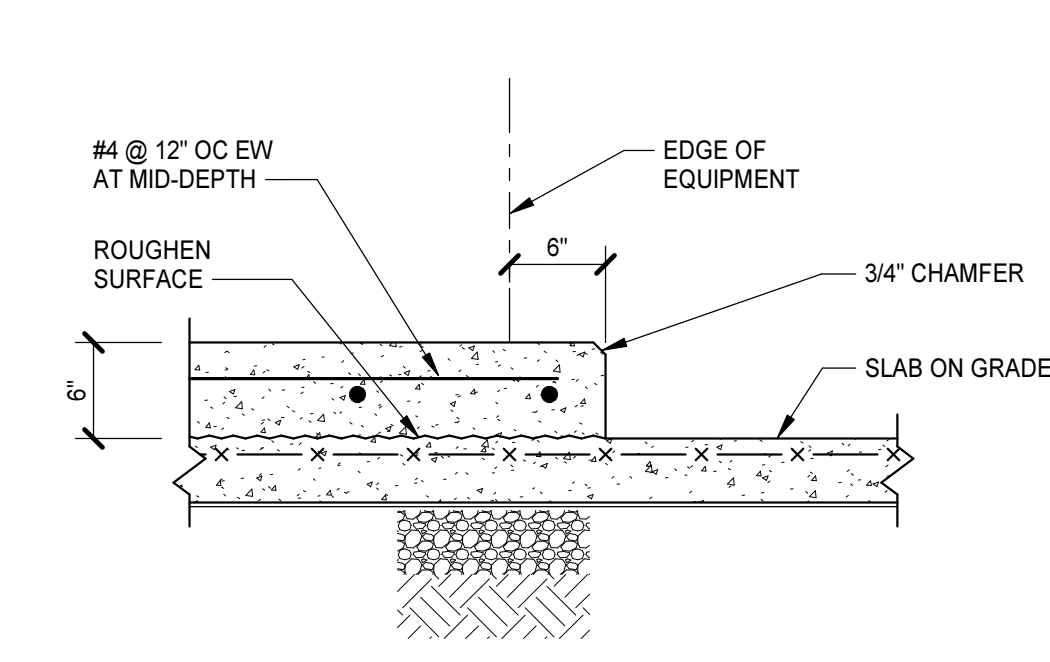
**SLAB-ON-GRADE JOINT DETAILS**  
NO SCALE



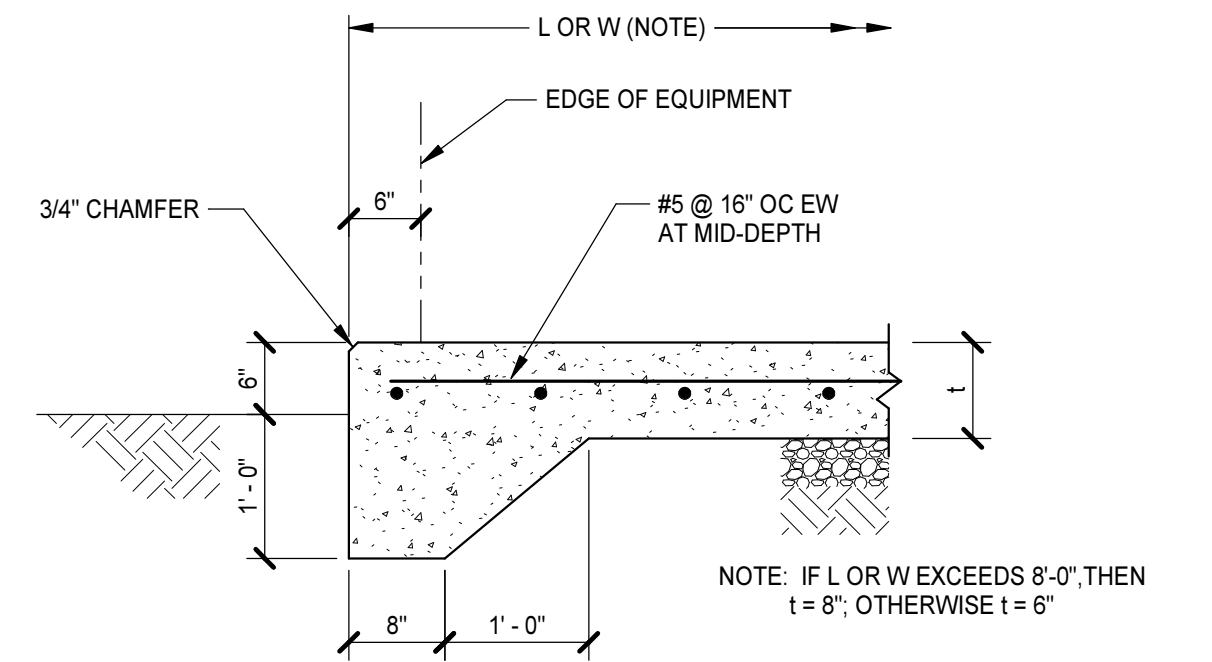
**SLAB REINFORCING AT RE-ENTRANT CORNER**  
NO SCALE



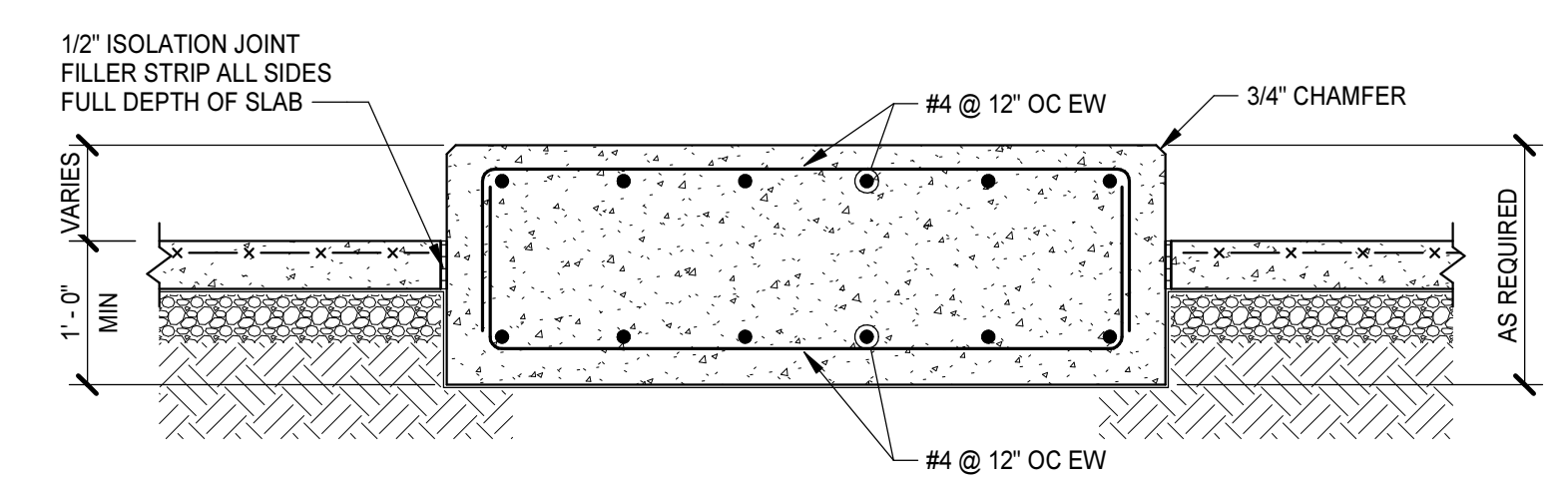
**DETAIL AT SLAB DEPRESSION**  
NO SCALE



**HOUSEKEEPING PAD**



**EXTERIOR EQUIPMENT PAD**



**HEAVY EQUIPMENT PAD**

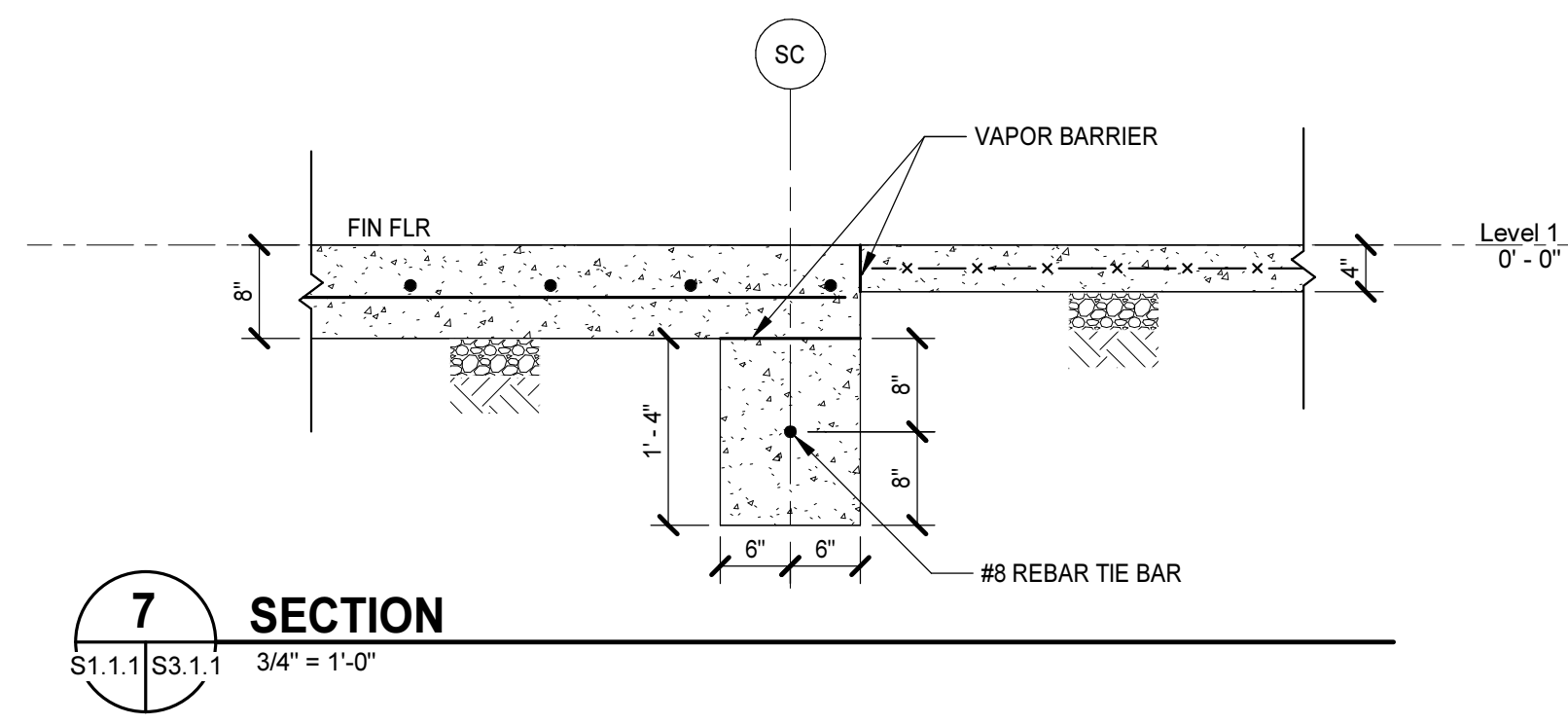
**EQUIPMENT PAD DETAILS**  
NO SCALE

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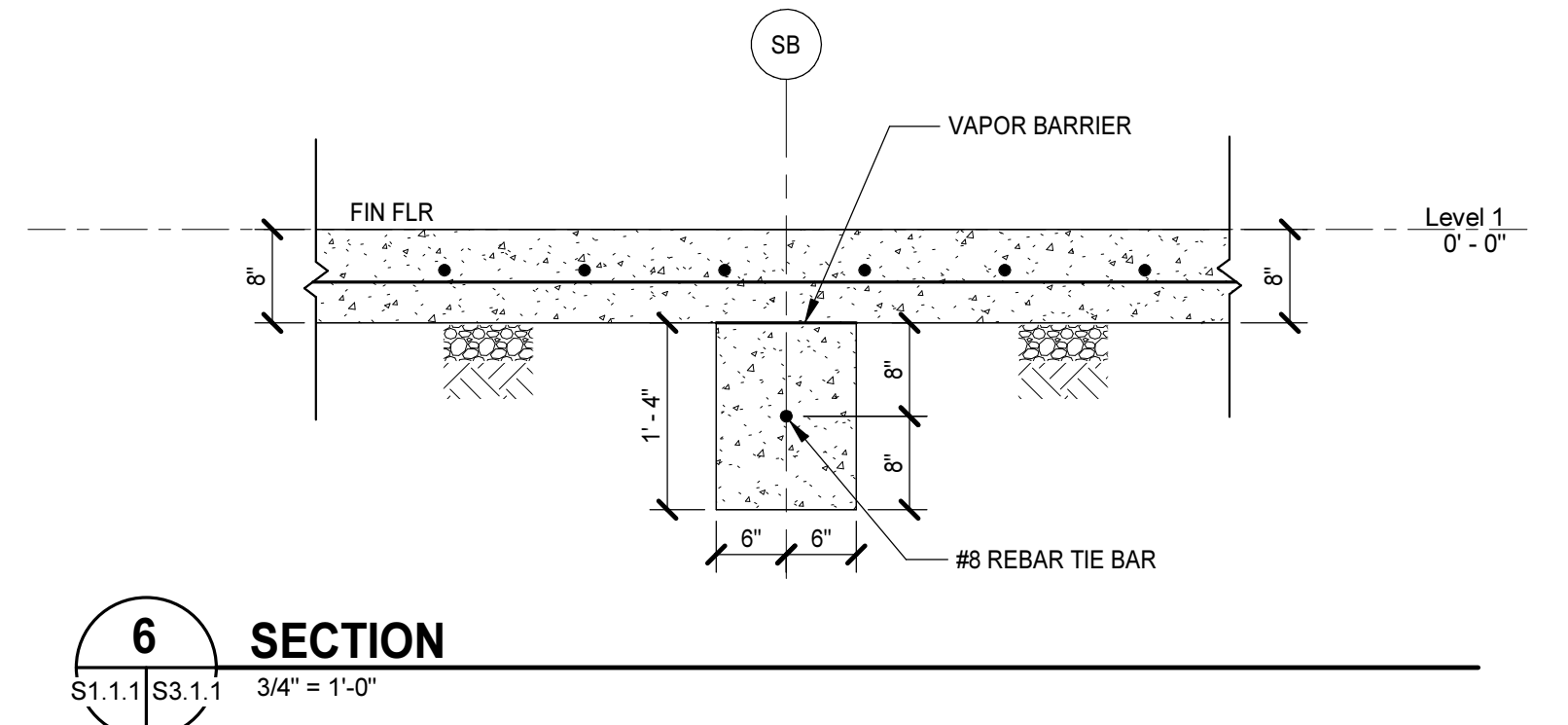


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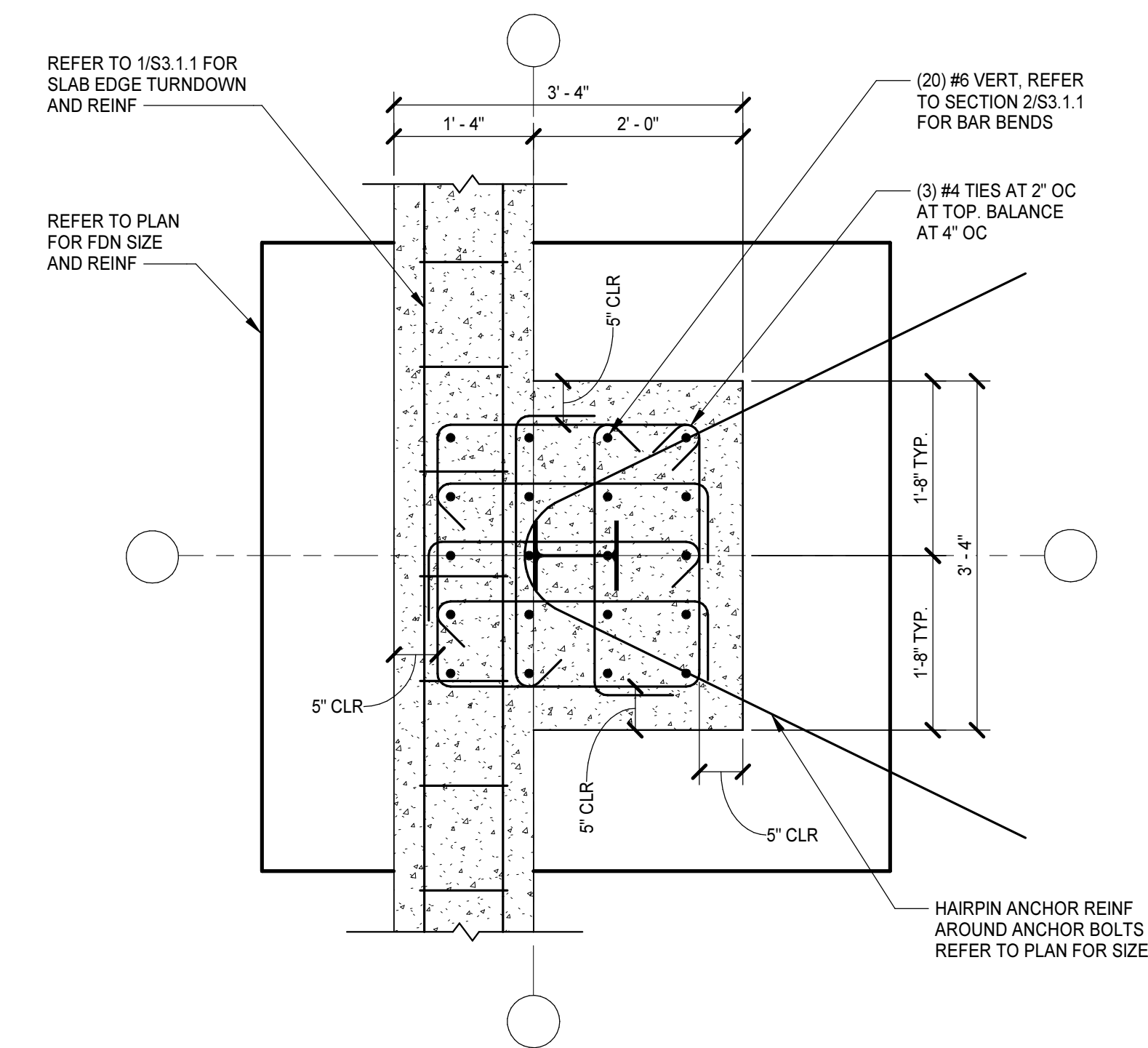
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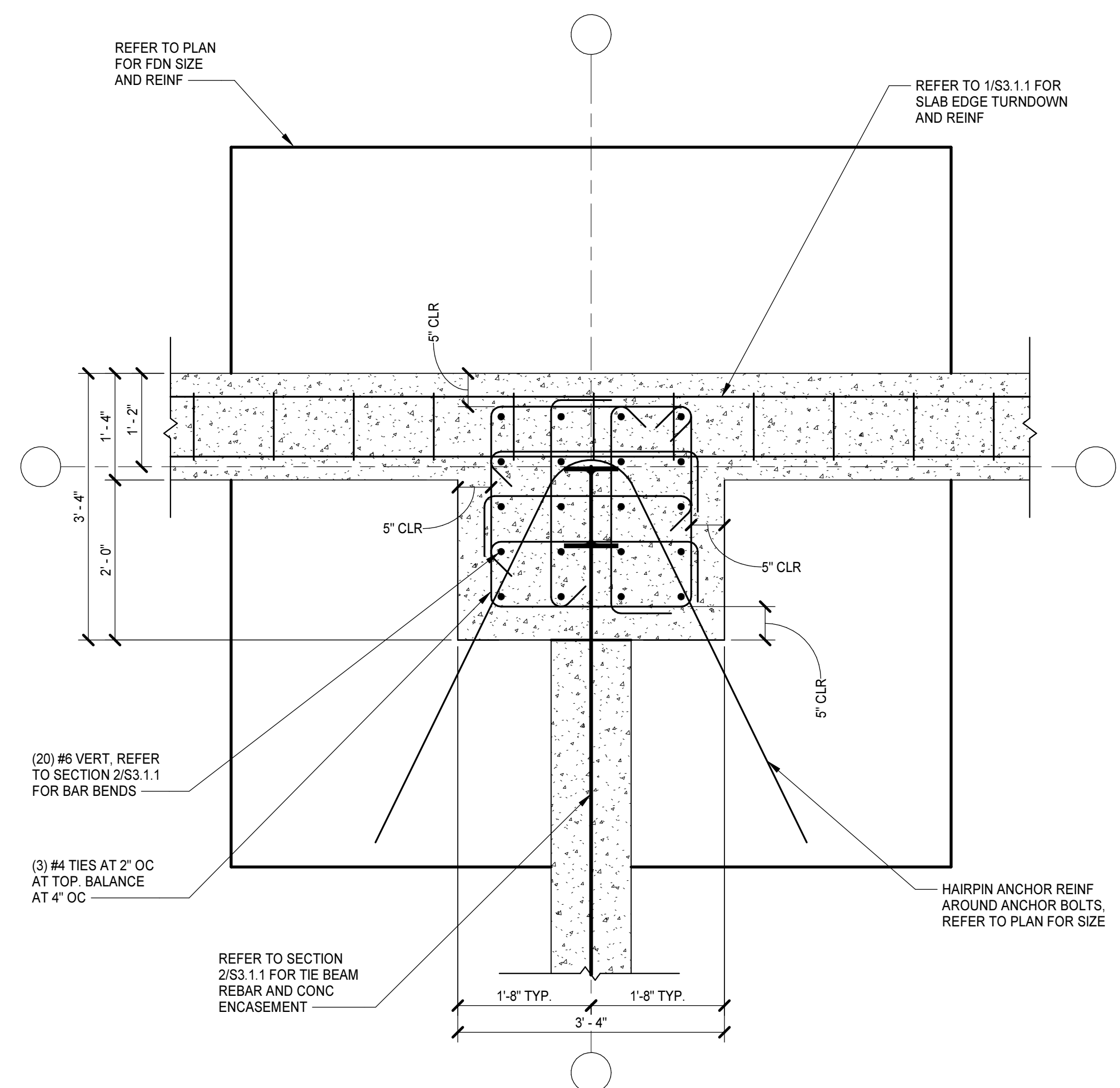
**7 SECTION**  
S1.1.1/S3.1.1 3/4" = 1'-0"



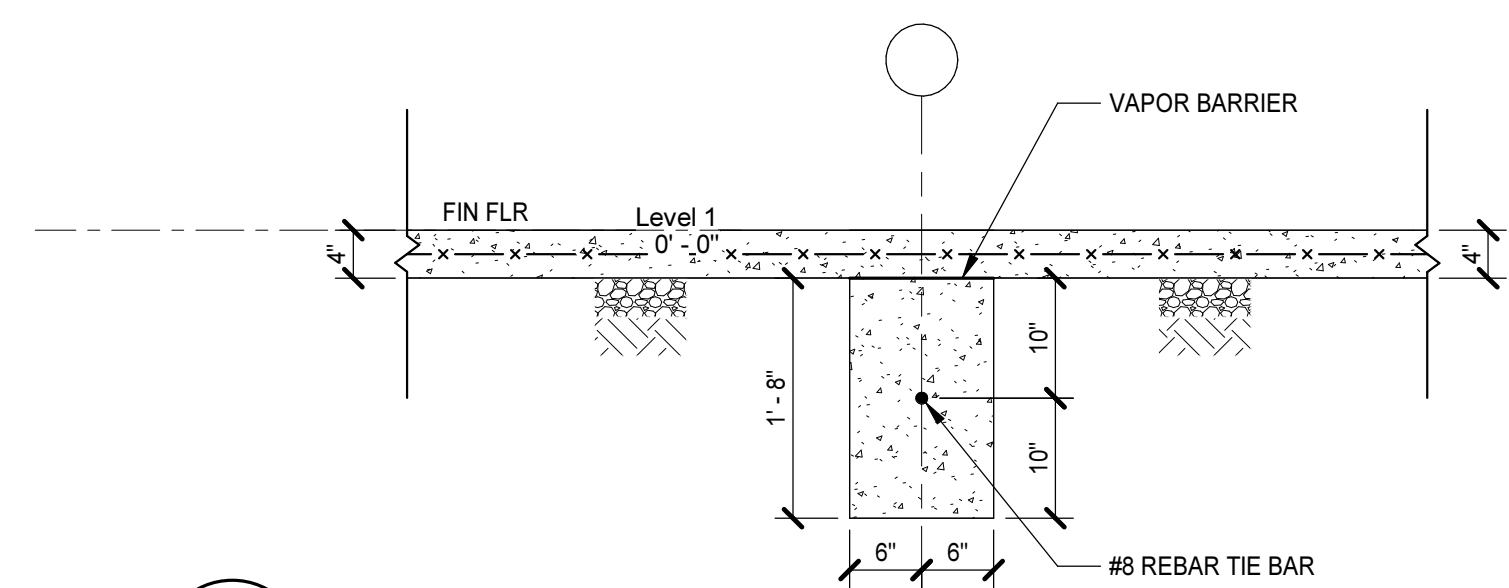
**6 SECTION**  
S1.1.1/S3.1.1 3/4" = 1'-0"



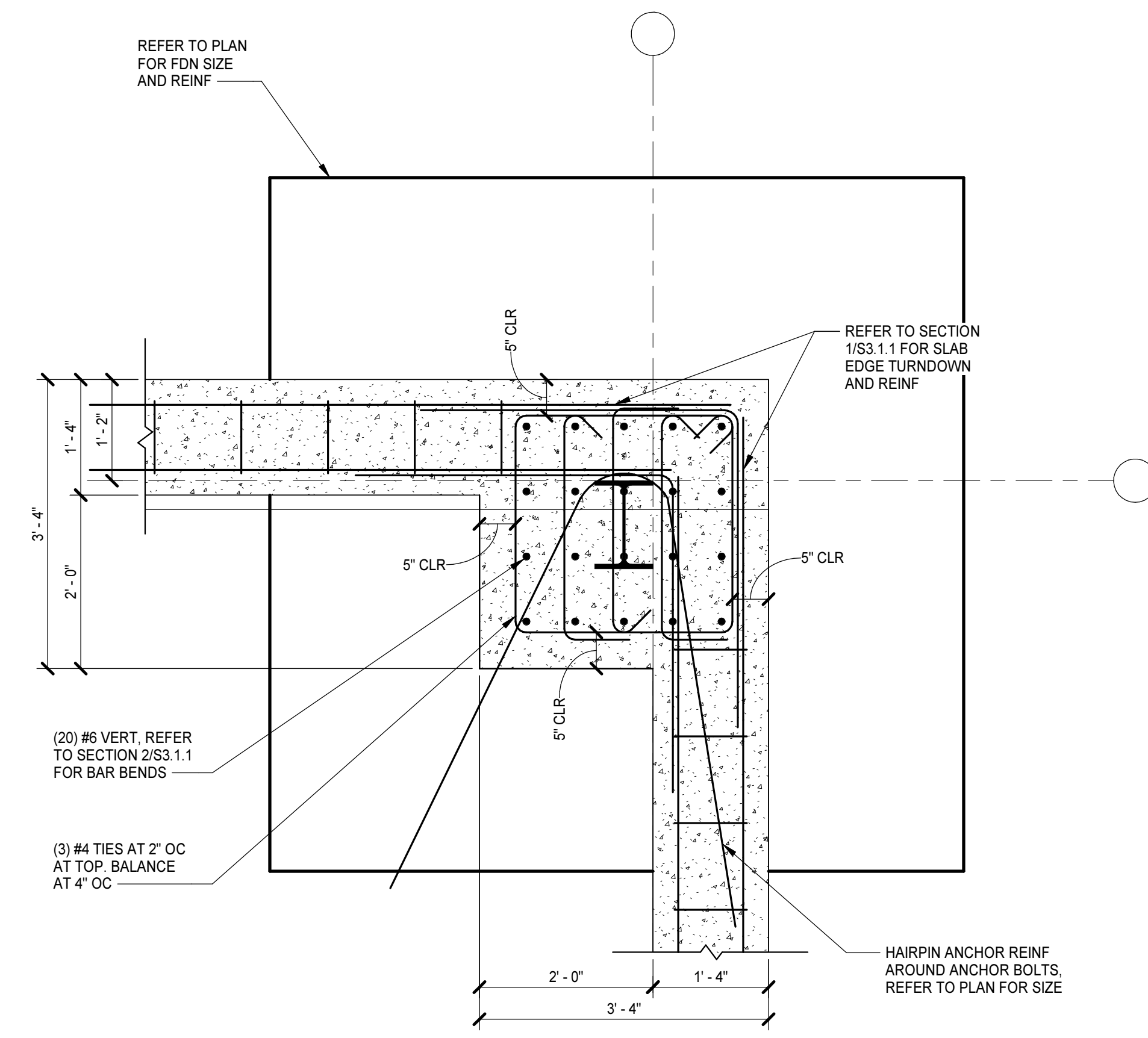
**5 PLAN DETAIL**  
S1.1.1/S3.1.1 3/4" = 1'-0"



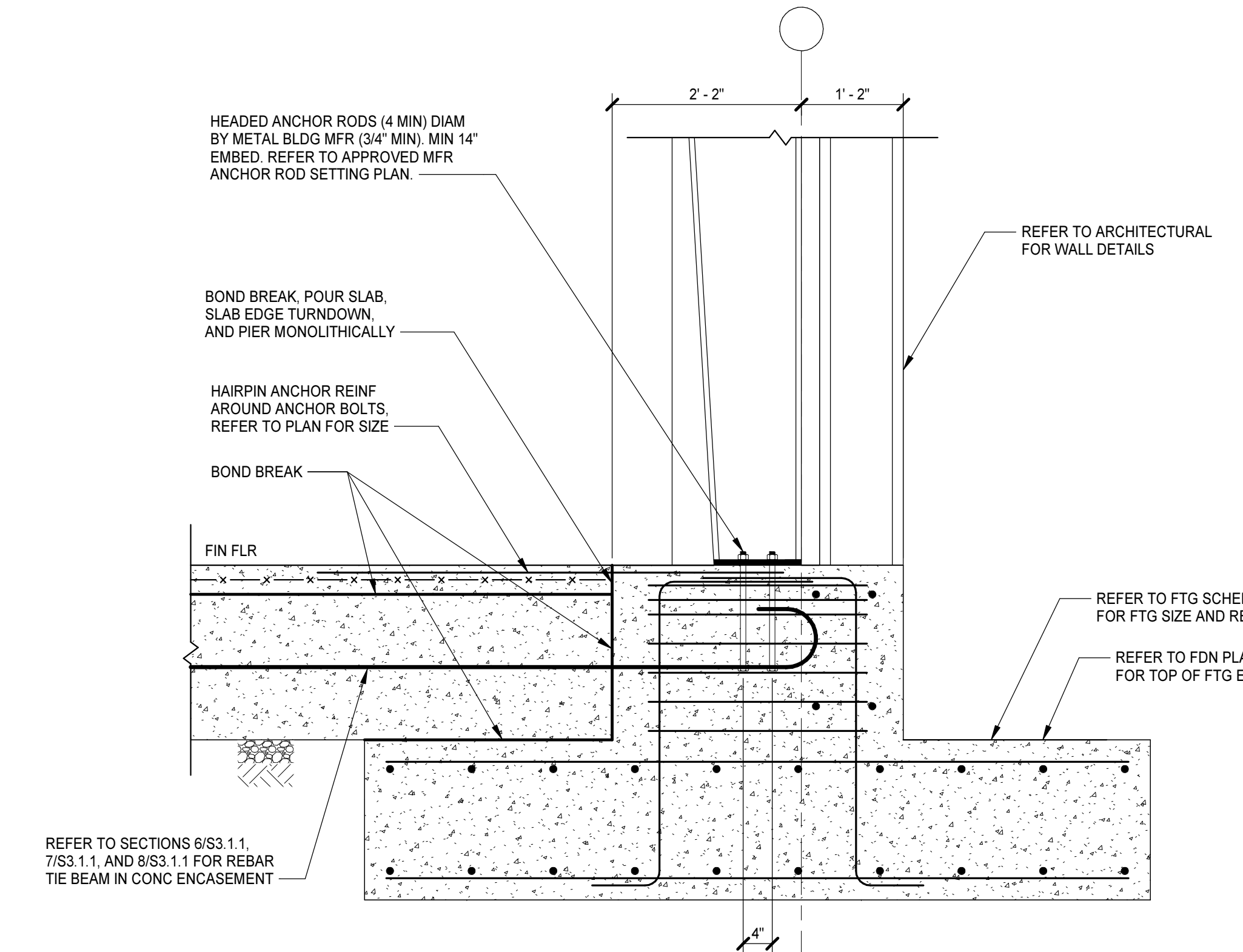
**4 PLAN DETAIL**  
S1.1.1/S3.1.1 3/4" = 1'-0"



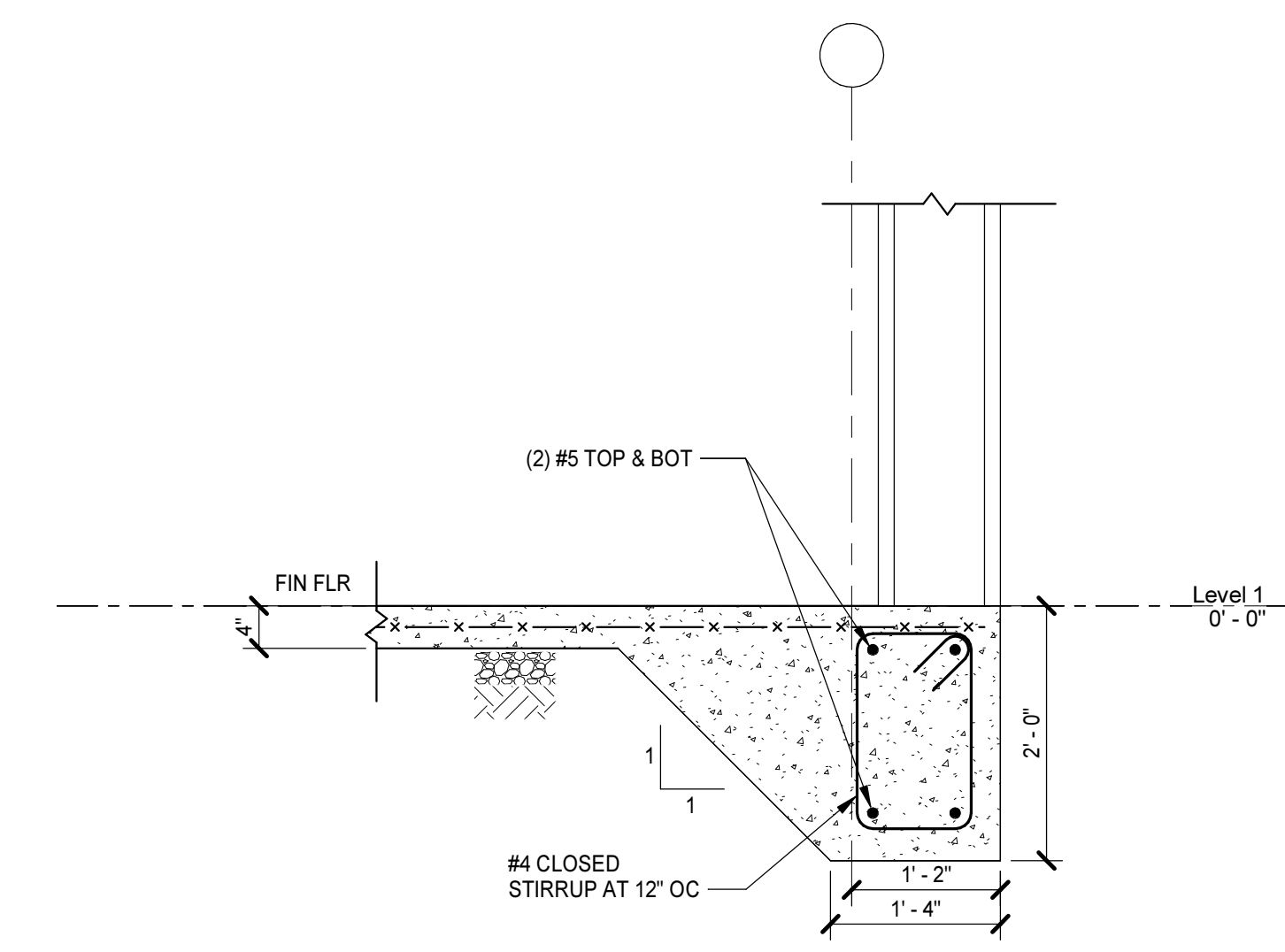
**8 SECTION**  
S1.1.1/S3.1.1 3/4" = 1'-0"



**3 PLAN DETAIL**  
S1.1.1/S3.1.1 3/4" = 1'-0"



**2 SECTION**  
S1.1.1/S3.1.1 3/4" = 1'-0"



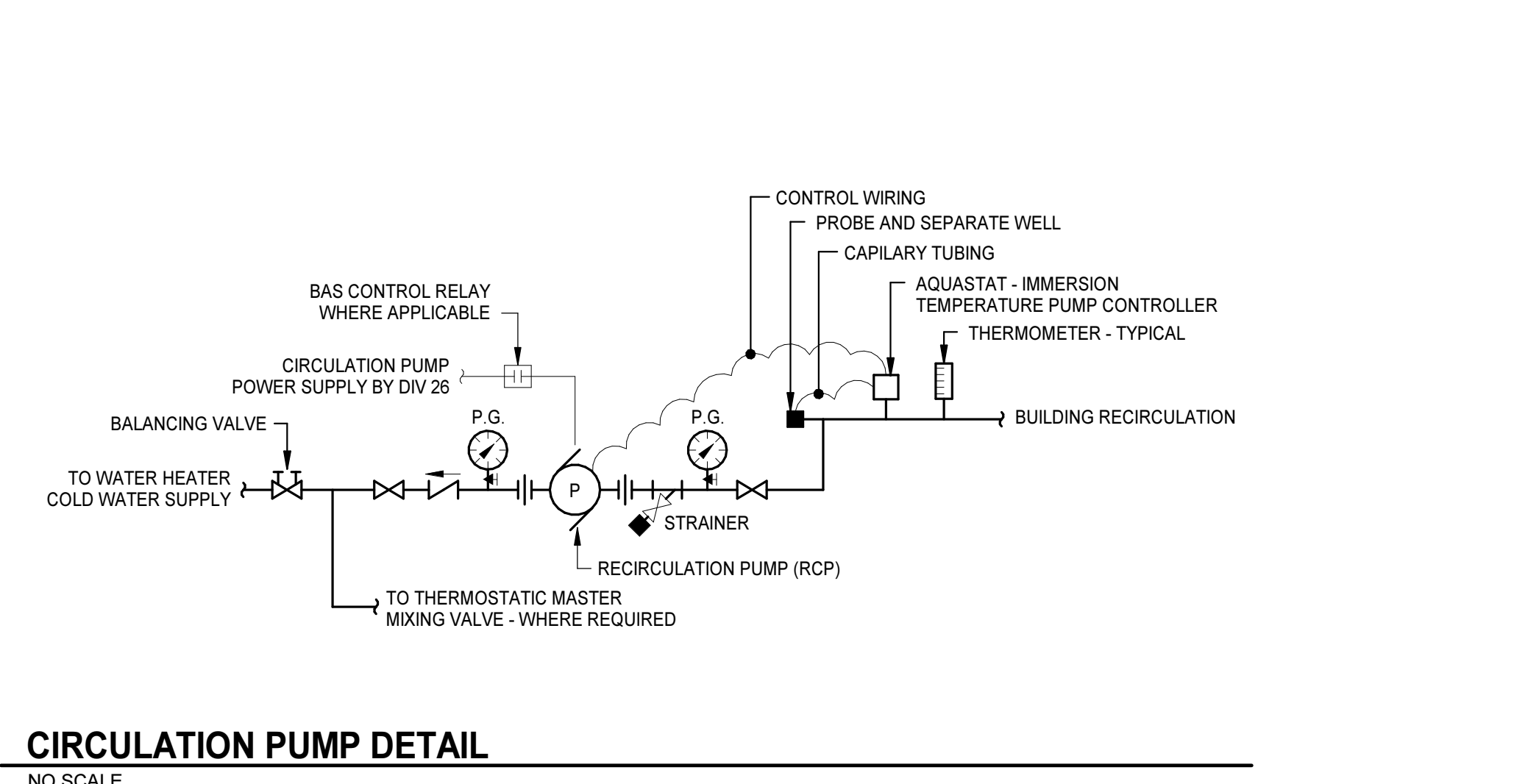
**1 SECTION**  
S1.1.1/S3.1.1 3/4" = 1'-0"

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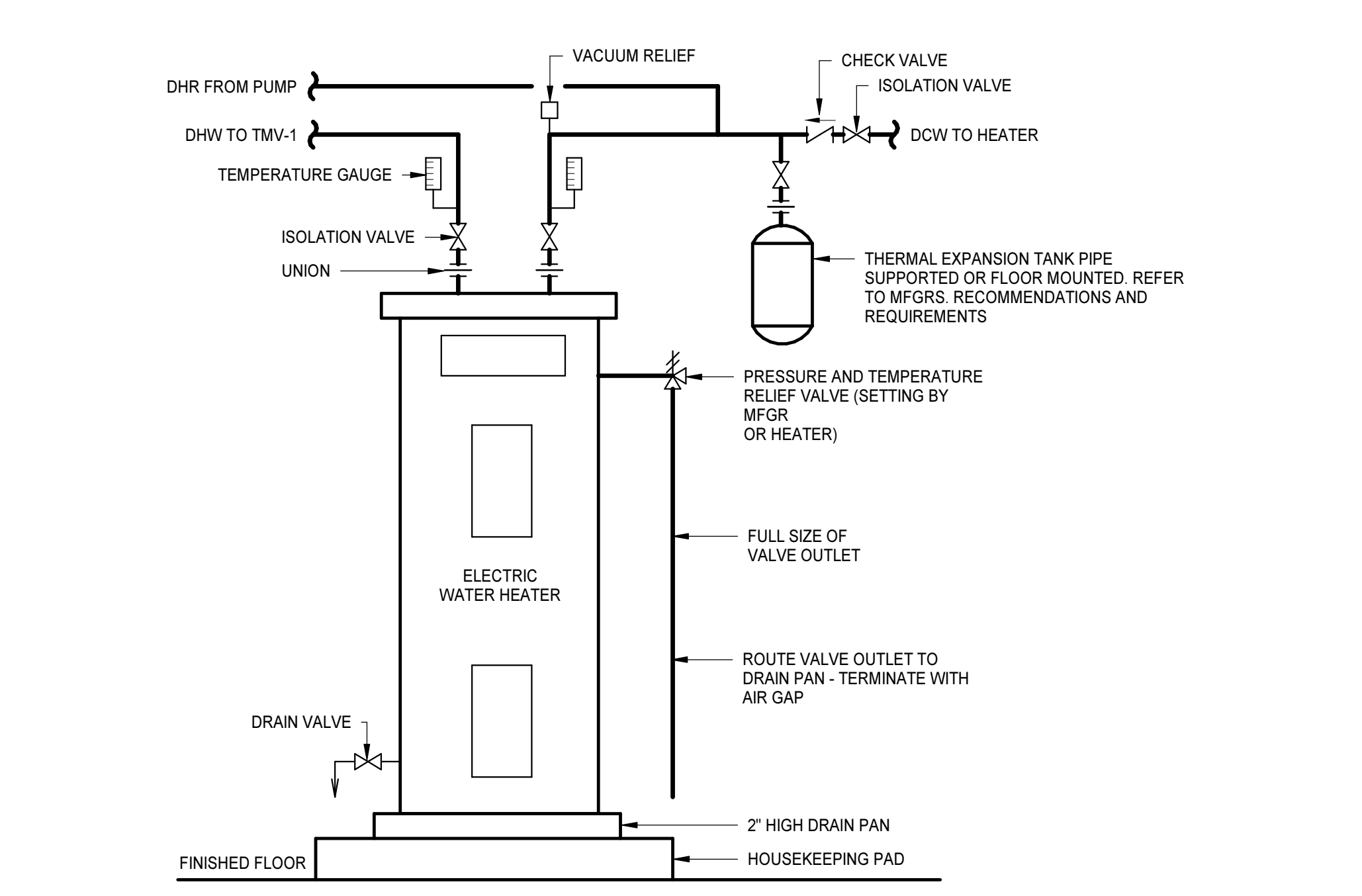


GRAPHICS SYMBOLS LEGEND table with columns for symbols and descriptions, including items like PIPE WITH SIZE AND SERVICE, POINT OF CONNECTION TO EXISTING, KEYNOTE, SECTION WHERE CUT, ENLARGED PLAN WHERE CUT, DETAIL TAG, SANITARY RISER TAG, DOMESTIC RISER TAG, FUEL GAS RISER DIAGRAM, and PUMP.

ABBREVIATIONS table listing various abbreviations and their corresponding full names, such as AT AIR ADMITTANCE VALVE, EVC ELECTRIC WATER COOLER, OSD OPEN SITE DRAIN, and many others.



CIRCULATION PUMP DETAIL  
NO SCALE



FLOOR MOUNTED ELECTRIC WATER HEATER DETAIL  
NO SCALE

PUMP SCHEDULE table with columns for TAG, BASIS OF DESIGN, LOCATION, SYSTEM TYPE, AREA SERVED, PUMP TYPE, and OPERATING DATA (FLOW, PRESSURE, EFFICIENCY, POWER, SPEED).

ELECTRIC WATER HEATER SCHEDULE table with columns for TAG, BASIS OF DESIGN, CAPACITY, RECOVERY RATE, TEMPERATURE RISE, INPUT RATE, and ELECTRICAL DATA (VOLTAGE, PHASE, HERTZ, TEMPERATURE SETTING).

THERMOSTATIC MIXING VALVE SCHEDULE table with columns for TAG, BASIS OF DESIGN, DESIGN FLOW, FLOW RANGE, MAX. P. D. AT DESIGN FLOW, and HW SYSTEM TEMPERATURES (INLET, OUTLET).

DRAIN AND CLEANOUT SCHEDULE table with columns for TAG, BASIS OF DESIGN, STRAINER/GRATE, and NOTES.

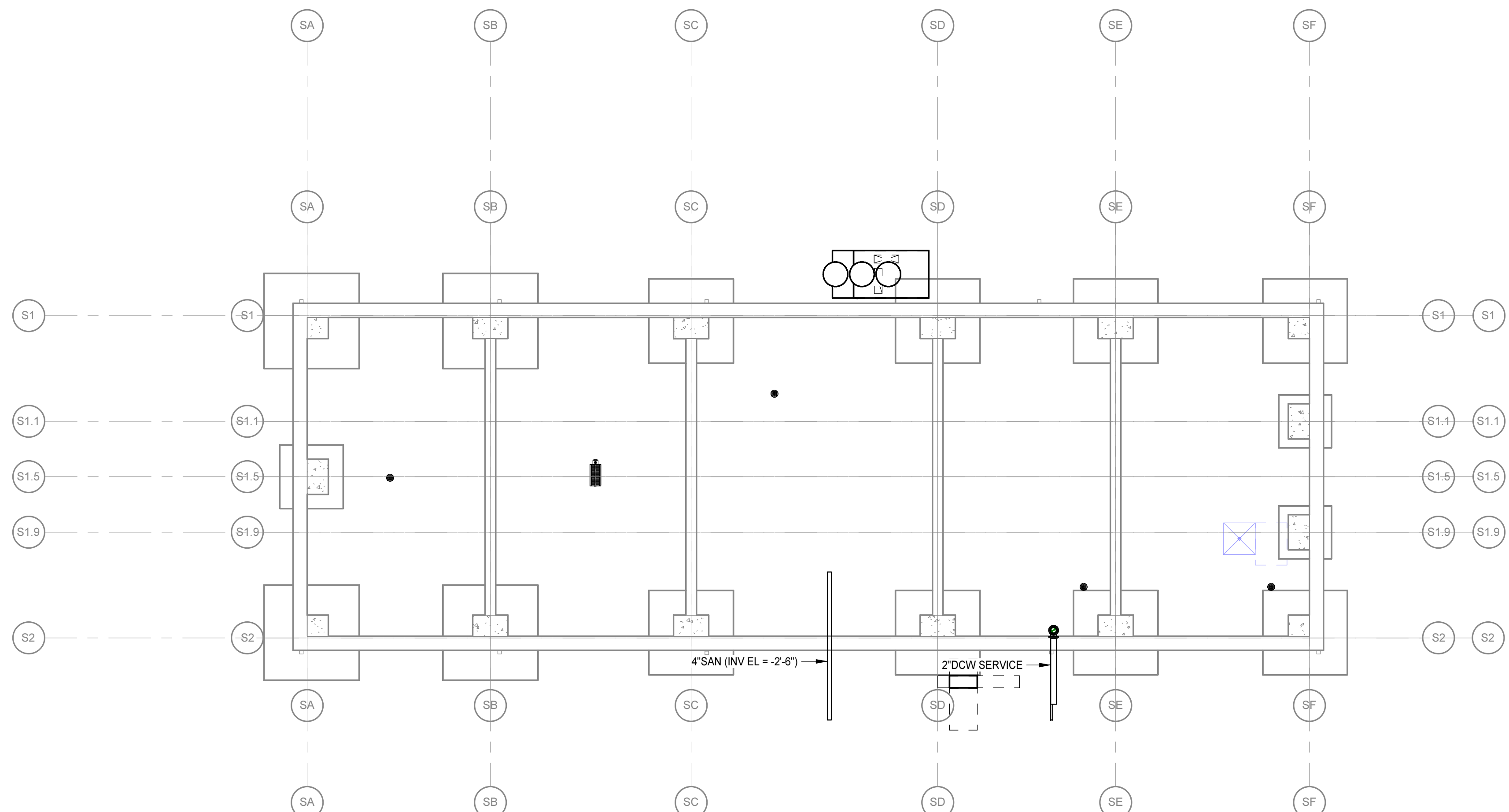
PLUMBING FIXTURE ROUGHING-IN SCHEDULE table with columns for TAG, FIXTURE, HEIGHT A.F.F., PIPE SIZE (COLD WATER, TEPID WATER, HOT WATER, VENT, SOIL WASTE), and NOTES.

BACKFLOW PREVENTER SCHEDULE table with columns for TAG, BASIS OF DESIGN, LOCATION, SYSTEM, SIZE, DESIGN FLOW RATE, PRESSURE DROP, and NOTES.

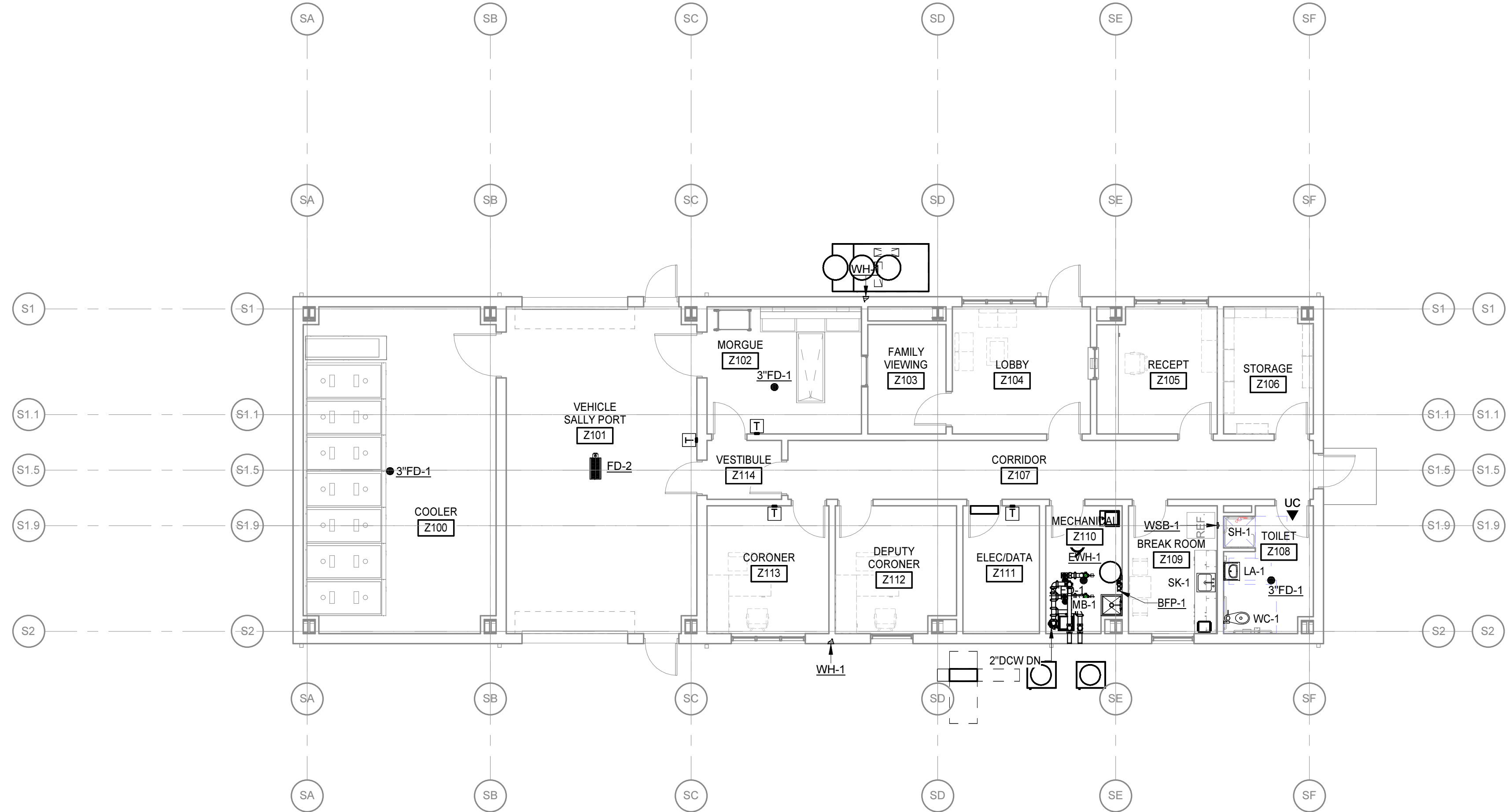
GENERAL DATA table with sections for PLUMBING GENERAL DATA (SERVICE SIZING, STORM DRAINAGE) and WATER HEATERS (NUMBER, HOT WATER REQUIRED, FUEL USED).

- GENERAL NOTES section with items A through I detailing contract requirements, piping coordination, floor cleanouts, drainage patterns, and installation standards.





**FOUNDATION PLAN - PLUMBING**  
1/8" = 1'-0"



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

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**GEORGETOWN COUNTY CORONER'S OFFICE**  
 611315  
 GEORGETOWN COUNTY  
 GEORGETOWN, SOUTH CAROLINA

PROJECT NO:	611315
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**LEGENDS,  
 ABBREVIATIONS AND  
 GENERAL NOTES**

**FP0.1**

**GRAPHICS SYMBOLS LEGEND**

	VALVE		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON LIGHT HAZARD CLASSIFICATION PROVIDING A DENSITY OF 0.10 GPM PER SQUARE FOOT OVER 1500 SQUARE FEET.
	GATE VALVE		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON ORDINARY HAZARD GROUP 1 CLASSIFICATION PROVIDING A DENSITY OF 0.15 GPM PER SQUARE FOOT OVER 1500 SQUARE FEET.
	VALVE IN RISER		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON ORDINARY HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.20 GPM PER SQUARE FOOT OVER 1500 SQUARE FEET.
	CHECK VALVE		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF DRY SPRINKLER HEADS IS BASED ON EXTRA HAZARD GROUP 1 CLASSIFICATION PROVIDING A DENSITY OF 0.20 GPM PER SQUARE FOOT OVER 1500 SQUARE FEET.
	SOLENOID VALVE		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF DRY SPRINKLER HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	FLOW SWITCH		INDICATES AREAS OF THE BUILDING THAT WILL REQUIRE ORDINARY HAZARD GROUP 1 ANTI-FREEZE PROTECTION, BRANCHING FROM THE LINE THAT SERVES THE AREA. REFER TO ANTI-FREEZE DETAIL.
	PRESSURE REDUCING VALVE		INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 1 CLASSIFICATION PROVIDING A DENSITY OF 0.30 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.
	DOUBLE CHECK BACKFLOW PREVENTER		
	FIRE PROTECTION WET SPRINKLER PIPING		
	FIRE PROTECTION DRY SPRINKLER PIPING		
	FIRE EXTINGUISHING GAS PIPING		
	UNION		
	PRESSURE GAUGE WITH GAUGE COCK		
	PIPE TURNED DOWN		
	PIPE TURNED UP		
	PIPE TEE UP		
	PIPE TEE DOWN		PITCH PIPE DOWN IN DIRECTION OF ARROW AT INDICATED SLOPE
	PIPE CAP		
	PITCH PIPE DOWN IN DIRECTION OF ARROW AT INDICATED SLOPE		
	FLOW IN DIRECTION OF ARROW		
	CONCENTRIC PIPE REDUCTION		
	ECCENTRIC PIPE REDUCTION		
	PUMP		PENDANT SPRINKLER HEAD
	FIRE DEPARTMENT CONNECTION		CONCEALED PENDANT SPRINKLER HEAD
	PENDANT SPRINKLER HEAD		EXTENDED COVERAGE PENDANT SPRINKLER HEAD
	CONCEALED PENDANT SPRINKLER HEAD		CONCEALED EXTENDED COVERAGE PENDANT SPRINKLER HEAD
	EXTENDED COVERAGE PENDANT SPRINKLER HEAD		PENDANT SPRINKLER HEAD WITH GUARD
	CONCEALED EXTENDED COVERAGE PENDANT SPRINKLER HEAD		UPRIGHT SPRINKLER HEAD
	PENDANT SPRINKLER HEAD WITH GUARD		EXTENDED COVERAGE UPRIGHT SPRINKLER HEAD
	UPRIGHT SPRINKLER HEAD		UPRIGHT SPRINKLER HEAD WITH GUARD
	EXTENDED COVERAGE UPRIGHT SPRINKLER HEAD		SIDEWALL SPRINKLER HEAD
	UPRIGHT SPRINKLER HEAD WITH GUARD		EXTENDED COVERAGE SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD		CONCEALED EXTENDED COVERAGE SIDEWALL SPRINKLER HEAD
	EXTENDED COVERAGE SPRINKLER HEAD		EXTINGUISHING AGENT DISCHARGE NOZZLE
	CONCEALED EXTENDED COVERAGE SIDEWALL SPRINKLER HEAD		COMBINATION AUDIBLE AND STROBE ALARM
	EXTINGUISHING AGENT DISCHARGE NOZZLE		MANUAL PULL STATION
	COMBINATION AUDIBLE AND STROBE ALARM		ABORT SWITCH
	MANUAL PULL STATION		IONIZATION SMOKE DETECTOR
	ABORT SWITCH		PHOTOELECTRIC SMOKE DETECTOR
	IONIZATION SMOKE DETECTOR		STRUCTURAL GRID LINE WITH DESIGNATION
	PHOTOELECTRIC SMOKE DETECTOR		SECTION WHERE CUT SECTION LETTER DRAWING WHERE SECTION IS INDICATED
	STRUCTURAL GRID LINE WITH DESIGNATION		ENLARGED PLAN WHERE CUT ENLARGED PLAN NUMBER DRAWING WHERE ENLARGED PLAN IS INDICATED
	SECTION WHERE CUT SECTION LETTER DRAWING WHERE SECTION IS INDICATED		DETAIL TAG DETAIL NUMBER DRAWING WHERE DETAIL IS INDICATED
	ENLARGED PLAN WHERE CUT ENLARGED PLAN NUMBER DRAWING WHERE ENLARGED PLAN IS INDICATED		DETAIL TITLE DETAIL NUMBER DRAWING WHERE DETAIL IS INDICATED DRAWING WHERE DETAIL IS CUT ADDITIONAL DRAWING REFERENCES
	DETAIL TAG DETAIL NUMBER DRAWING WHERE DETAIL IS INDICATED		SECTION TITLE SECTION LETTER DRAWING WHERE SECTION IS INDICATED DRAWING WHERE SECTION IS CUT ADDITIONAL DRAWING REFERENCES
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	SECTION TITLE SECTION LETTER DRAWING WHERE SECTION IS INDICATED DRAWING WHERE SECTION IS CUT ADDITIONAL DRAWING REFERENCES		

**GENERAL NOTES**

THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

COORDINATE THE LOCATION OF ALL SPRINKLER PIPING WITH THE WORK OF OTHER TRADES. SPRINKLER PIPING SHALL NOT BE INSTALLED WHERE ITS LOCATION INHIBITS ACCESS TO EQUIPMENT ABOVE THE CEILING, FILTER ACCESS OR INFRINGES UPON CLEARANCES DICTATED BY THE NATIONAL ELECTRIC CODE.

VERIFY DIMENSIONS AND ROUTING IN FIELD BEFORE FABRICATION OF PIPING AND FIXTURES.

REFER TO THE LIFE SAFETY PLAN FOR LOCATIONS OF FIRE AND SMOKE SEPARATION ASSEMBLIES.

REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.

PROVIDE A COMPLETE WET PIPE SPRINKLER SYSTEM THROUGHOUT THE BUILDING IN ACCORDANCE WITH 2018 VIRGINIA BUILDING CODE, 2016 NFPA 13 AND ALL OTHER REQUIREMENTS SET FORTH BY LOCAL AUTHORITY HAVING JURISDICTION. INSTALLATION DRAWINGS SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF SOUTH CAROLINA OR BY A NICET LEVEL III OR IV DESIGNER CERTIFIED IN THE FIELD OF WATER BASED SYSTEMS LAYOUT.

PIPE ALL SYSTEM DRAINS TO AN APPROVED LOCATION ON THE OUTSIDE PERIMETER OF BUILDING. DO NOT DISCHARGE DRAIN INTO A JANITORS SINK WITHOUT APPROVAL FROM PLUMBING ENGINEER.

**DESIGN FLOW DATA**

THE FOLLOWING DATA SHALL BE USED FOR BID PURPOSES ONLY. CONFIRM DATA PRIOR TO CALCULATING PIPE SIZES.

LOCATION OF TEST:  
 STATIC PRESSURE:  
 RESIDUAL PRESSURE:  
 FLOW AT TIME OF TEST:  
 DATE OF TEST:

**SPRINKLER HEADS**

IN SUSPENDED ACOUSTICAL CEILINGS: PROVIDE RECESSED, QUICK RESPONSE, GLASS BULB PENDENT TYPE SPRINKLERS w/ CHROME FINISH AND MATCHING ESCUTCHEON.

FOR HORIZONTAL SIDEWALL APPLICATIONS: PROVIDE RECESSED, QUICK RESPONSE, GLASS BULB TYPE SPRINKLERS w/ CHROME FINISH AND MATCHING ESCUTCHEON.

IN EQUIPMENT, STORAGE AND OTHER SIMILAR ROOMS WITHOUT SUSPENDED CEILINGS: PROVIDE STANDARD UPRIGHT, QUICK RESPONSE, QUICK RESPONSE w/ BRASS FINISH.

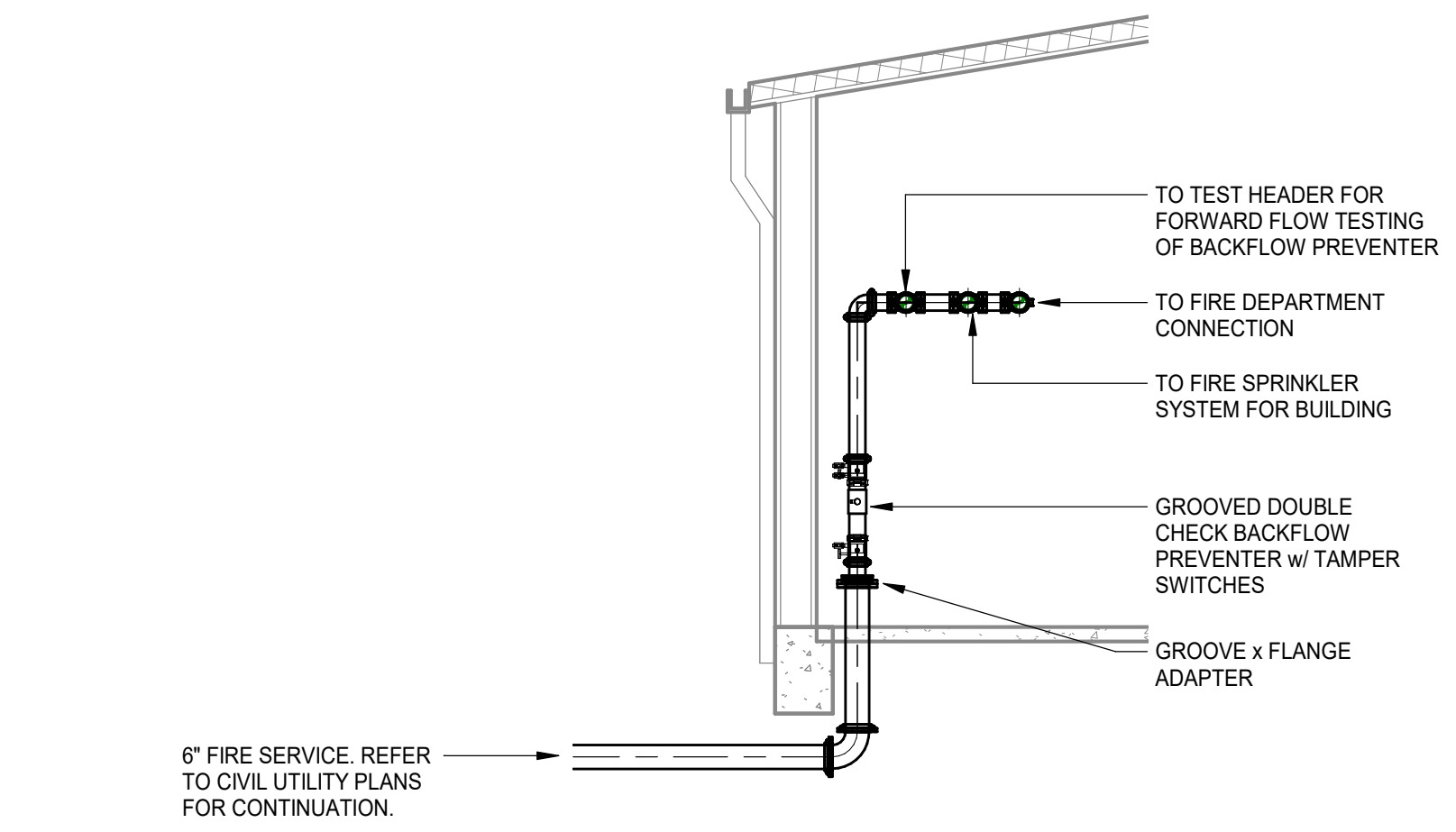
IN AREAS SUBJECT TO FREEZING TEMPERATURES SUPPLIED BY WET PIPE SPRINKLER SYSTEM: PROVIDE QUICK RESPONSE, FUSIBLE LINK TYPE DRY TYPE SPRINKLERS.

PROVIDE INTERMEDIATE TEMPERATURE SPRINKLERS WHEN INSTALLED 2'-6" OR LESS TO AN HVAC SUPPLY DIFFUSER IN CEILINGS AS REQUIRED BY NFPA 13 TABLE 8.3.2.5(a) ITEM (C) FOR HORIZONTAL DISCHARGE.

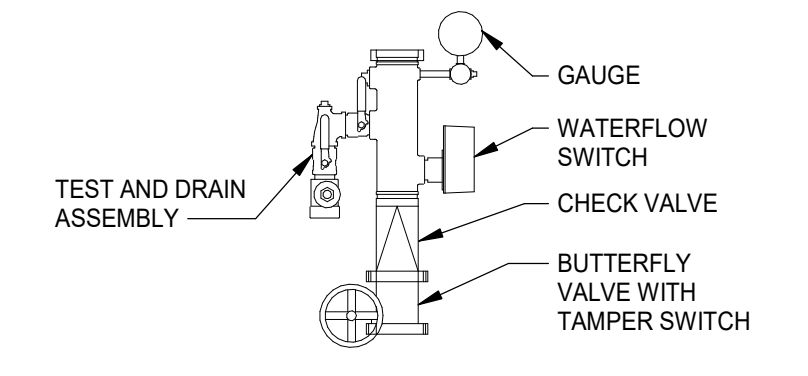
INSTALL SPRINKLERS IN CENTER OF ACOUSTICAL TILE CEILING PANELS.

**ABBREVIATIONS**

@	AT
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
BLDG	BUILDING
CL	CENTERLINE
CLG	CEILING
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUATION
CORR	CORRIDOR
CR	CLASSROOM
CU	CUBIC
CU FT	CUBIC FEET
DCW	DOMESTIC COLD WATER
DEG	DEGREE(S)
DEMO	DEMOLISH OR DEMOLITION
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DN	DOWN
DP	DRY PIPE
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
E	EAST
ECGH	ELECTRIC CEILING HEATER
EF	EXHAUST FAN
EH-1	EXTRA HAZARD GROUP 1
EH-2	EXTRA HAZARD GROUP 2
ELEC	ELECTRICAL
EQ	EQUAL
EQUIP	EQUIPMENT
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EWI	ELECTRIC WATER HEATER
EX	EXISTING
EXP	EXPANSION
F	FARENHEIT
FD	FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FG	FINISHED GRADE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHS	FIRE HOSE STATION
FHVC	FIRE HOSE VALVE CABINET
FLR	FLOOR
FP	FIRE PROTECTION
FT	FOOT OR FEET
FVC	FIRE VALVE CABINET
GAL	GALLONS
GPM	GALLONS PER MINUTE
GUH	GAS-FIRED UNIT HEATER
HB	HOSE BIB
HD	HEAD
HORIZ	HORIZONTAL
HP	HORSEPOWER
HW	HOT WATER
ID	INSIDE DIAMETER
IN	INCH
INSUL	INSULATE OR INSULATION
JAN	JANITOR
KIT	KITCHEN
KW	KILOWATT(S)
LAB	LABORATORY
LAV	LAVATORY
LBS	POUNDS
LF	LINEAR FOOT (FEET)
LH	LIGHT HAZARD
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
N	NORTH
NA	NOT APPLICABLE/AVAILABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NO. OR #	NUMBER
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFF	OFFICE
OH-1	ORDINARY HAZARD GROUP 1
OH-2	ORDINARY HAZARD GROUP 2
P	PUMP
PC	PRECAST
PV	POST INDICATOR VALVE
POLY	POLYETHYLENE
PREFAB	PREFABRICATE(D)
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PSIG	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
R	RISER
REF	REFERENCE
REQ	REQUIRED
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
S	SOUTH
SAN	SANITARY
SCH	SCHEDULE
SD	SMOKE DAMPER
SHT	SHEET
SM	SIMILAR
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SPR	SPRINKLER
SQ	SQUARE
STD	STANDARD
STL	STEEL
STOR	STORAGE
SW	SWITCH
T	TEMPERATURE
THK	THICKNESS
TLT	TILE
TOSL	TOP OF SLAB
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UI	UNLESS UNDCATED
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTS
VERT	VERTICAL
W	WEST
W	WITH
W/O	WITHOUT
WH	WATER HEATER

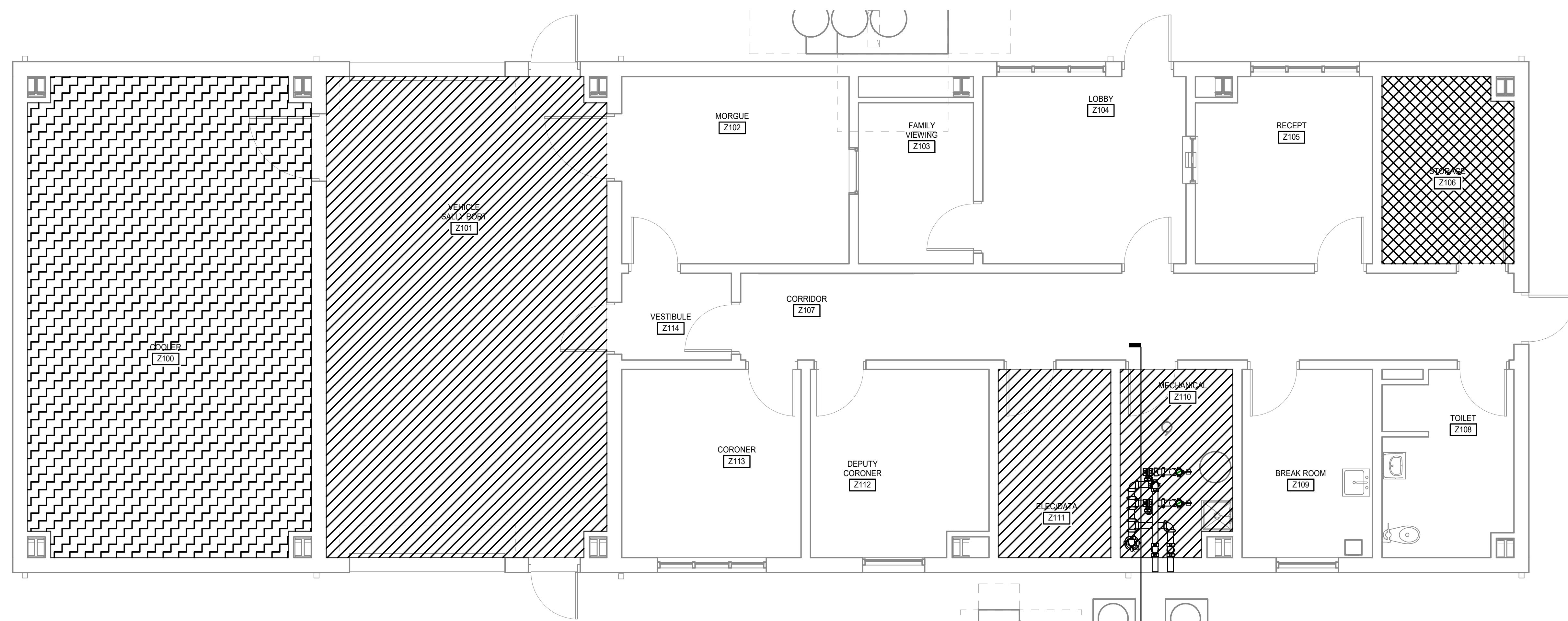


**1 FIRE PROTECTION RISER DETAIL**  
 FP2.1.1 | FP0.1 | 1/4" = 1'-0"

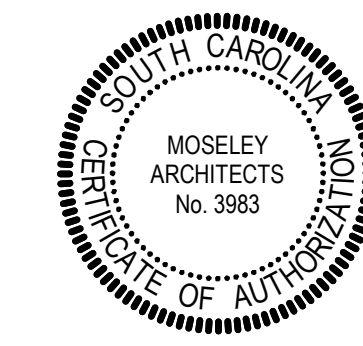


**FIRE PROTECTION ZONE CONTROL**  
 NO SCALE

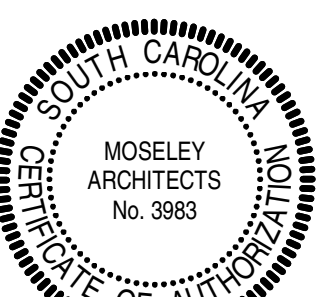




**FIRST FLOOR PLAN - FIRE PROTECTION**  
 1/4" = 1'-0"

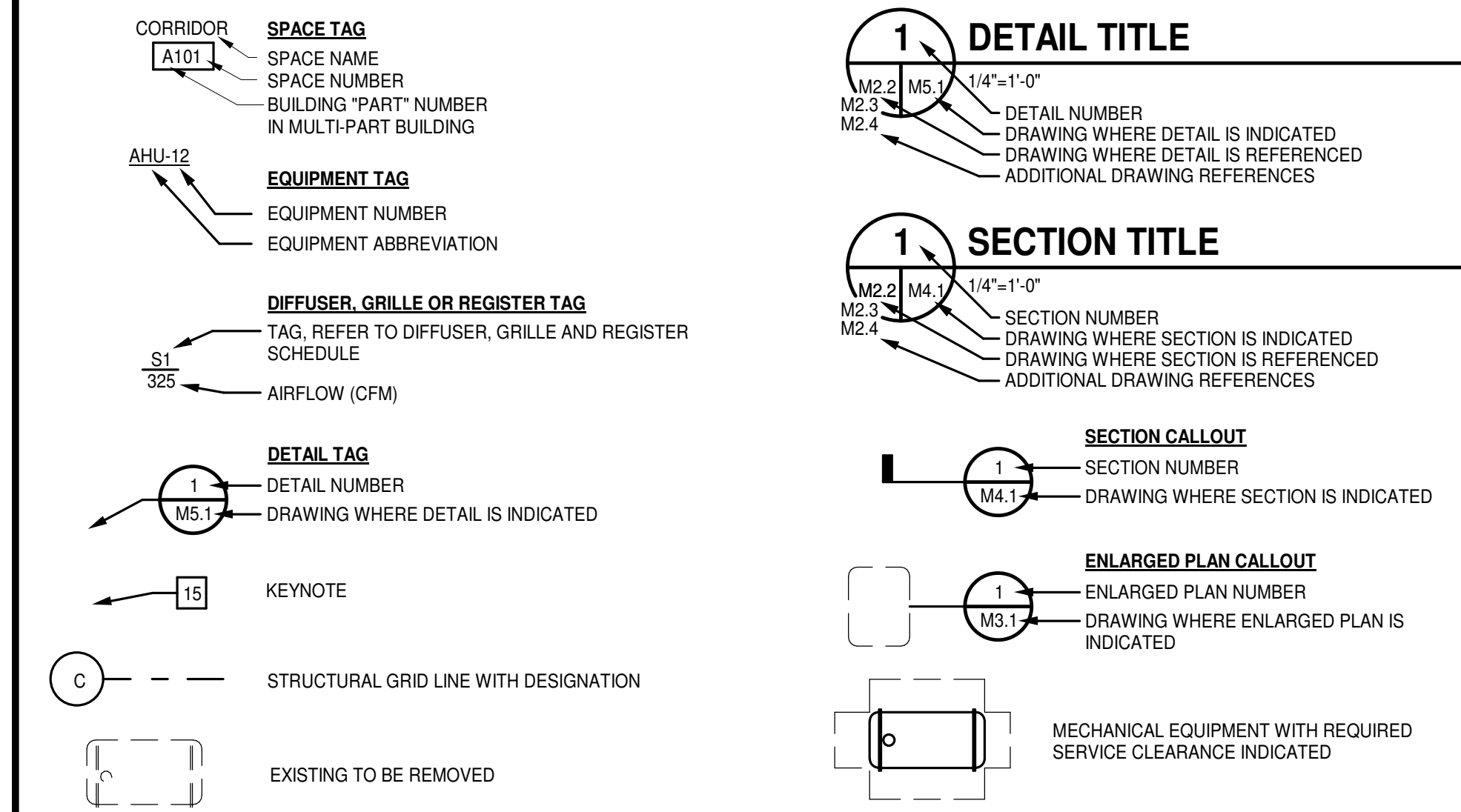


PROJECT NO:	611315
DATE:	SEPTEMBER 15, 2023
REVISIONS	
DATE	DESCRIPTION

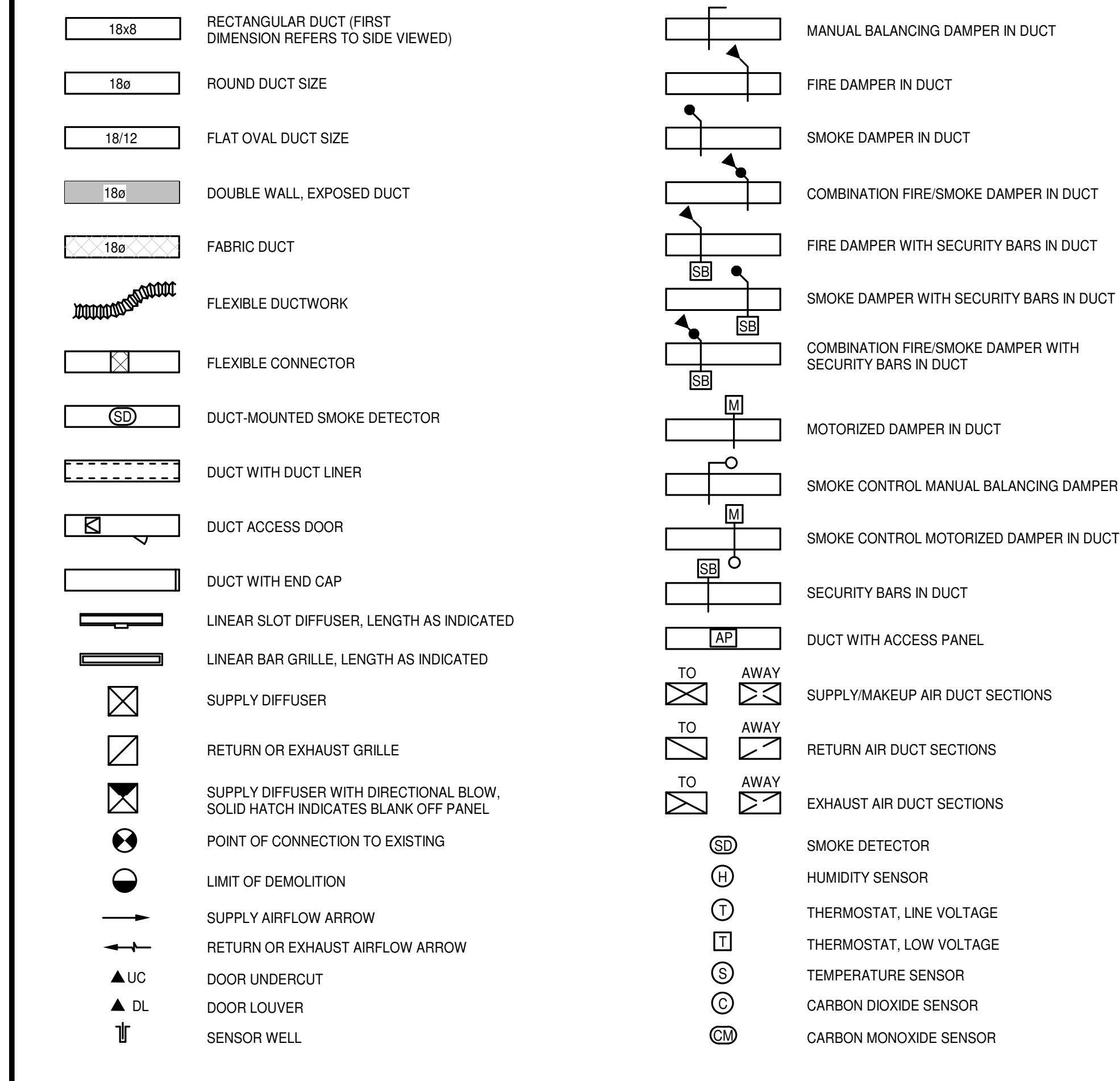


PROJECT NO:	611315
DATE:	MARCH 08, 2024
REVISIONS	
DATE	DESCRIPTION

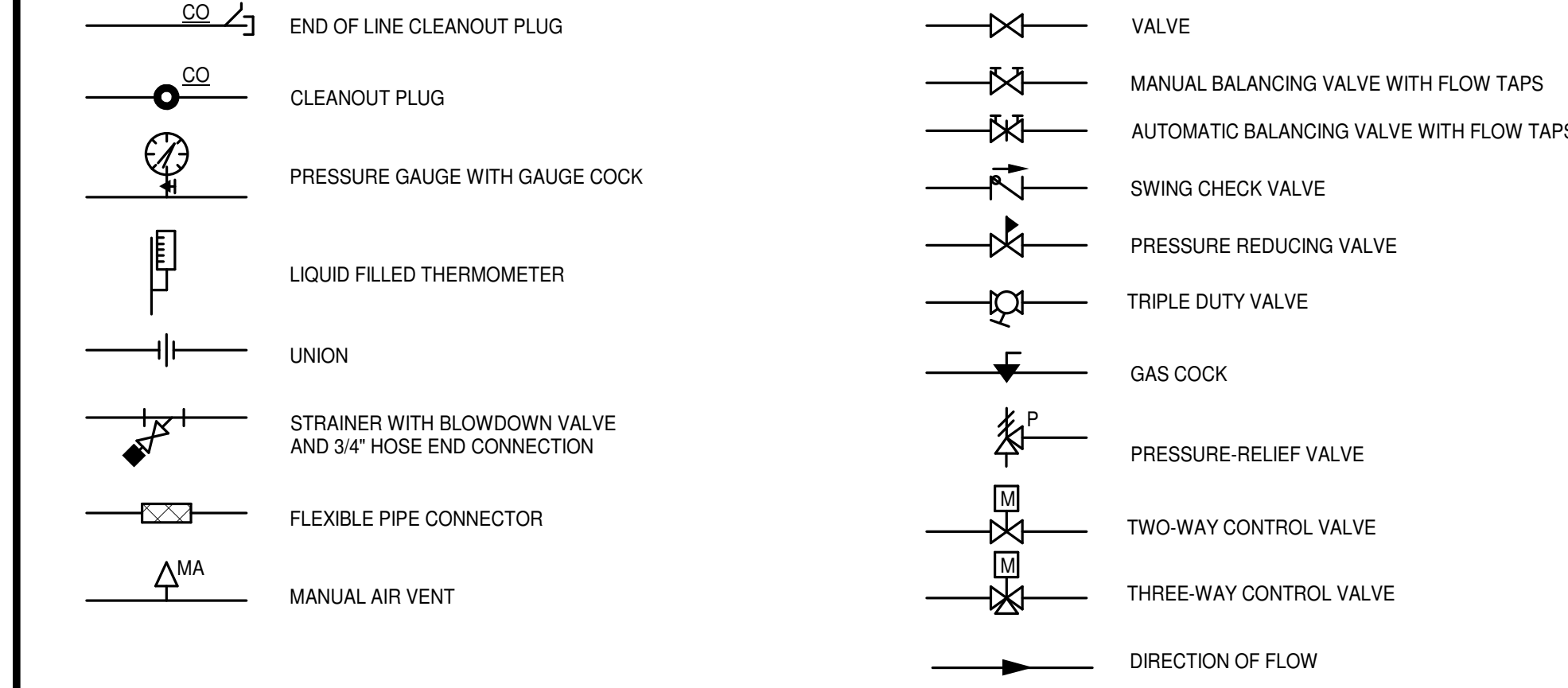
GRAPHIC SYMBOL LEGEND



DUCTWORK LEGEND



PIPING LEGEND



GENERAL NOTES

A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

B. DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. DO NOT SCALE DRAWINGS. LOCATIONS OF ALL ITEMS INDICATED ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS, MANUFACTURERS REQUIREMENTS FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTORS INTENDED MEANS AND METHODS OF INSTALLATION, AND CONTRACTORS FABRICATED ITEMS TO ENSURE A PROPER FIT AND INSTALLATION.

C. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS, WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECTS PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 7'-0" CLEARANCE ABOVE FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUTS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.

D. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.

E. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.

F. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.

G. PROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS AND OTHER ACTIVE DRAINS EXPOSED TO SYSTEM AIRSTREAM. PROVIDE TRAP AT CONNECTION WITH WATER SEAL, DEPTH ONE INCH GREATER THAN UNIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION APPROVED BY THE ARCHITECT.

H. INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED.

I. ALL EQUIPMENT, VALVES, DAMPERS, DAMPER AND DIFFUSERS WITHIN CEILING GRID, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.

J. SIZE ALL SPLIT-SYSTEM REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

K. DUCT DIMENSIONS MAY BE MODIFIED ONLY WITH PRIOR APPROVAL FROM ARCHITECT. DUCT DIMENSIONS ARE IN INCHES AND INSIDE CLEAR.

L. FOR LOCATION OF REGISTERS, GRILLES, AND DIFFUSERS WITHIN CEILING GRID, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.

M. ELEVATION INDICATED FOR RECTANGULAR DUCT, GRILLE AND LOUVER OPENINGS IS TO THE TOP OF ROUGH OPENING UNLESS OTHERWISE INDICATED. ELEVATION INDICATED FOR ROUND DUCTWORK AND PIPING IS TO CENTERLINE.

N. BRANCH PIPING RUNOUTS TO TERMINAL UNITS SHALL BE 3/4" DIAMETER UNLESS INDICATED OTHERWISE.

O. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGERS ATTACHMENTS TO STEEL BAR JOISTS.

EQUIPMENT ABBREVIATION

AHU	AIR-HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
BCU	BLOWER COIL UNIT
OCC	CLOSED-CIRCUIT COOLING TOWER
CH	CHILLER
CHWP	CHILLED WATER PUMP
CRAC	COMPUTER ROOM AIR CONDITIONER
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CWP	CONDENSER WATER PUMP
ECH	ELECTRIC CEILING HEATER
ERU	ENERGY RECOVERY UNIT
ERV	ENERGY RECOVERY VENTILATOR
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
FCU	FAN COIL UNIT
HP	HEAT PUMP
HWP	HOT WATER PUMP
HX	HEAT EXCHANGER
MAU	MAKEUP AIR UNIT
OAU	OUTDOOR AIR UNIT
P	PUMP
PTAC	PACKAGED TERMINAL AIR CONDITIONER
PTHP	PACKAGED TERMINAL HEAT PUMP
RTU	ROOFTOP UNIT
SSI	SPLIT-SYSTEM INDOOR UNIT
SSO	SPLIT-SYSTEM OUTDOOR UNIT
TU	TERMINAL UNIT
UH	UNIT HEATER
WSHP	WATER-SOURCE HEAT PUMP

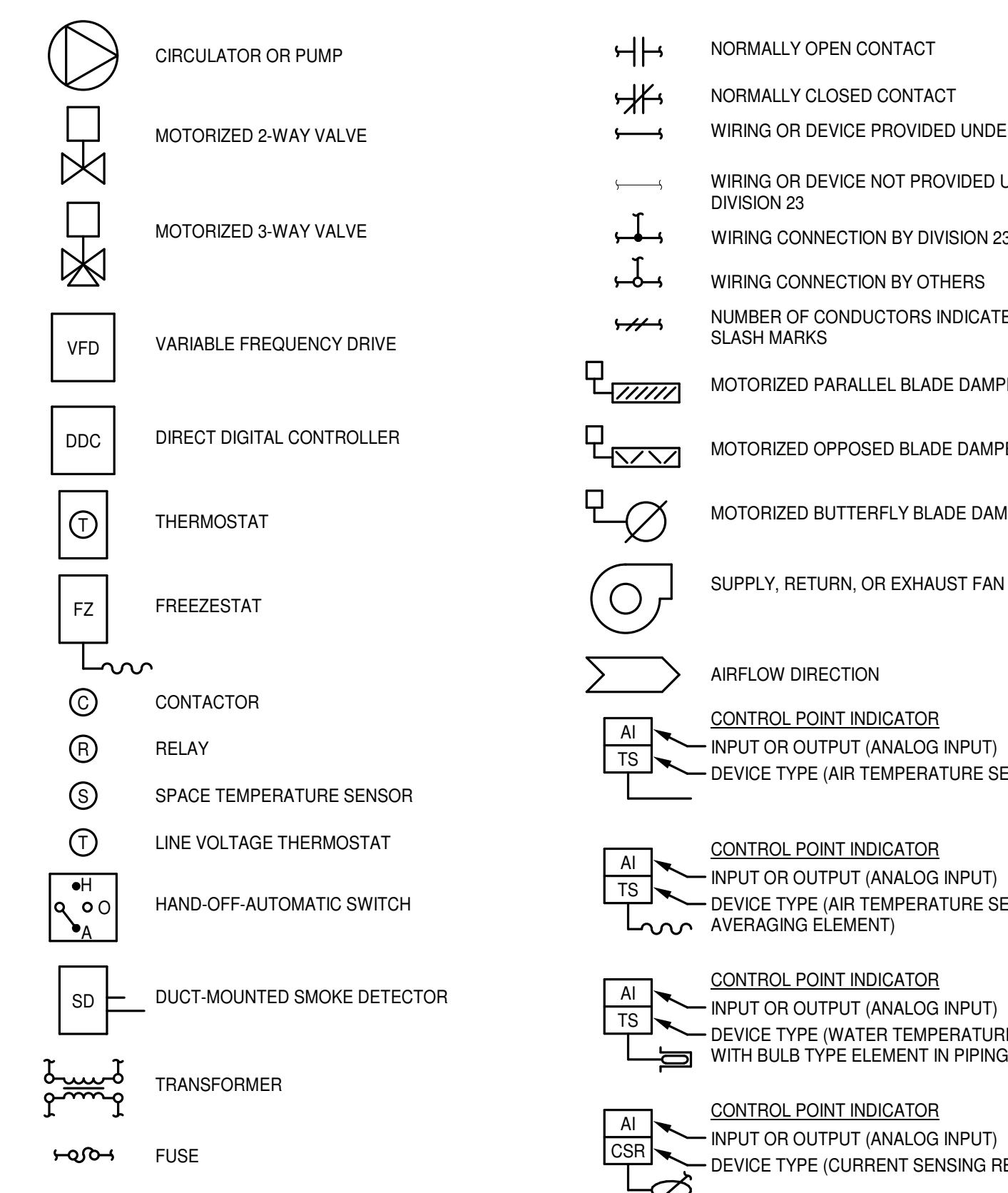
CONTROLS ABBREVIATIONS

AF	AIRFLOW
AI	ANALOG INPUT TO CONTROLLER
ALM	ALARM
AMS	AIRFLOW MEASURING STATION
AO	ANALOG OUTPUT FROM CONTROLLER
ATS	AVERAGING TEMPERATURE SENSOR
BAS	BUILDING AUTOMATION SYSTEM
BI	BINARY INPUT TO CONTROLLER
BO	BINARY OUTPUT FROM CONTROLLER
CO2	CARBON DIOXIDE SENSOR
CSR	CURRENT-SENSING RELAY
DM	DAMPER MOTOR
DP	DIFFERENTIAL PRESSURE
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
FM	FLOW METER
FZ	FREEZESTAT
HS	HUMIDITY SENSOR
POS	POSITION RELAY
R	RELAY
SD	SMOKE DETECTOR
SPD	SPEED
SS	START/STOP
STS	STATUS
TS	TEMPERATURE SENSOR
VFD	VARIABLE-FREQUENCY DRIVE

ABBREVIATIONS

A	AMPERES
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APD	AIR PRESSURE DROP
DHP	DRIVE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	COOLING
COM	COMMON
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	DRAIN
DB	DRY BULB TEMPERATURE
dBA	A-WEIGHTED DECIBELS
DCW	DOMESTIC COLD WATER
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
F	DEGREES FAHRENHEIT
FC	FAIL CLOSED
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FO	FAIL OPEN
FRM	FEET PER MINUTE
FT	FOOT, FEET
GA	GAUGE
GAL	GALLON(S)
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HTG	HEATING
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
IN	INCH
PLV	INTEGRATED PART-LOAD VALVE
KW	KILOWATT(S)
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	ONE THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MFR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MOD	MOTOR-OPERATED DAMPER
NC	NORMALLY CLOSED (FOR PLANS, DETAILS)
NC	NOISE CRITERIA (FOR SCHEDULES)
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
OA	OUTSIDE AIR
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
PH	PHASE
PSIG	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR
RD	REFRIGERANT DISCHARGE
RH	RELATIVE HUMIDITY
RL	REFRIGERANT LIQUID
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
TD	TRANSFER DUCT
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTAGE, VOLTS
VD	VOLUME DAMPER
VFD	VARIABLE-FREQUENCY DRIVE
W	WATT(S)
W	WITH
W/O	WITHOUT
WB	WET BULB TEMPERATURE
WC	WATER COLUMN
WPD	WATER PRESSURE DROP
WWM	WELDED WIRE MESH

CONTROL SYMBOL LEGEND



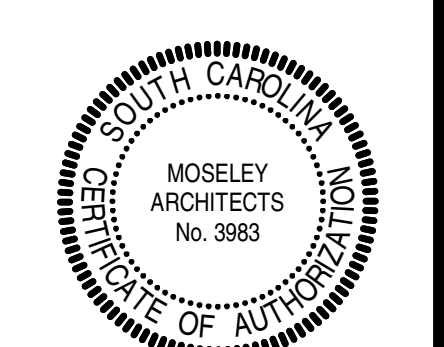
GENERAL NOTES

1. RUNOUT SIZES TO DIFFUSERS AND GRILLES ARE THE SAME AS THE DIFFUSER/GRILLE NECK SIZE UNLESS INDICATED OTHERWISE. PROVIDE RECTANGULAR TO ROUND TRANSITIONS WHERE THE BRANCH DUCT IS TALLER THAN THE TRUNK DUCT.

2. PROVIDE RECTANGULAR TO ROUND TRANSITION TO CONNECT FLEXIBLE DUCTWORK TO DIFFUSERS OR GRILLES WITH SQUARE OR RECTANGULAR NECK.

3. PIPE SIZES FOR CHILLED AND HEATING HOT WATER ARE SHOWN FOR THE SUPPLY OR RETURN PIPING. PARALLEL RUNS OF CHILLED AND HEATING HOT WATER PIPING ARE THE SAME SIZE AS THE ADJACENT PIPE OF THE SAME SYSTEM.



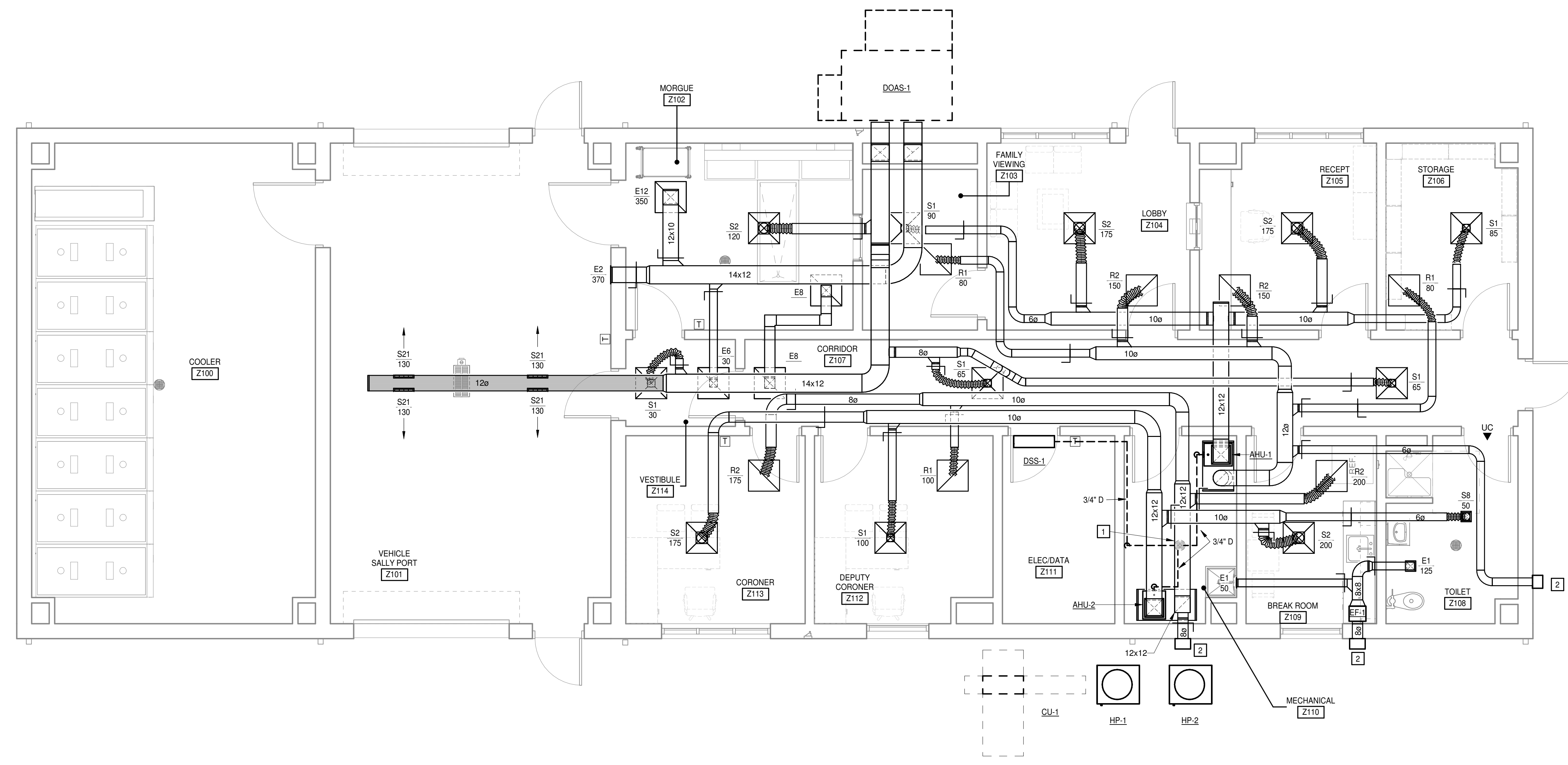


PROJECT NO: 611315  
 DATE: MARCH 08, 2024

DATE	DESCRIPTION

**KEYNOTES**  
 APPLIES TO THIS DRAWING  
 REPRESENTED BY [n]

- EXTEND 3/4" DIAMETER CONDENSATE PIPE TO MECHANICAL ROOM FLOOR DRAIN.
- PROVIDE HOODED WALL VENT WITH SCREEN AND BACKDRAFT DAMPER, FAMCO MODEL RDWVG (BASIS OF DESIGN) OR EQUIVALENT.



**FIRST FLOOR PLAN - DUCTWORK**  
 1/4" = 1'-0"

FAN SCHEDULE																
TAG	MANUFACTURER	MODEL NUMBER	SERVING	TYPE	AIRFLOW (CFM)	ESP (IN WC)	FAN WHEEL (RPM)	DRIVE TYPE	SONES	CONTROL METHOD	MOTOR (HP)	ELECTRICAL DATA			WEIGHT (LBS)	NOTES
												(V)	(PH)	(HZ)		
EF-1	GREENHECK	CSP-A190	TOILET ROOM	IN-LINE	175	0.25	1400	DIRECT	2	CORRIDOR Z107 LIGHT SWITCH	1/4	120	1	60	16	1,2

NOTES:  
 1. PROVIDE VARI-GREEN FAN MOTOR.  
 2. PROVIDE FAN WITH FUSED DISCONNECT SWITCH, GRAVITY BACKDRAFT DAMPER, SPEED CONTROLLER AND VIBRATION ISOLATORS.  
 3. FACTORY DISCONNECT SWITCH, BUILT IN THERMAL OVERLOAD PROTECTION, ROOF CURB, GREASE CUP/COLLECTOR, TEMPERATURE CONTROL INTERLOCK, VARIABLE SPEED FAN, VFD'S IN KITCHEN HOOD CONTROL PACKAGE.  
 4. PROVIDE FAN WITH INLET SCREEN/GUARD.  
 5. FAN CONTROLLED BY WALL MOUNTED TWIST TIMER, 0-30 MINUTE RANGE WITH LABEL, INDICATING ROOM FAN CONTROL.  
 6. MANUFACTURERS DISCONNECT SWITCH, END SWITCH, MOTORIZED DAMPER, WALL HOUSING, MOTOR GUARD, GREENHECK LOUVER MODEL EDJ-430, VARI-GREEN MOTOR.

GRILLE, REGISTER, & DIFFUSER SCHEDULE							
TAG	MANUFACTURER	MODEL NUMBER	NECK SIZE	FACE SIZE	MAX NC LEVEL	NOTES	
E1	PRICE	530	6X6	8X8	25	1,2	
E2	PRICE	530	12X12	14X14	25	1,2	
E6	PRICE	PDDR	6X6	24X24	25	1,2	
E8	PRICE	PDDR	8X8	24X24	25	1,2	
E12	PRICE	PDDR	12X12	24X24	25	1,2	
R1	PRICE	PDDR	6"	24X24	25	1,2	
R2	PRICE	PDDR	8"	24X24	25	1,2	
S1	PRICE	SPD	6"	24X24	25	1,2	
S2	PRICE	SPD	8"	24X24	25	1,2	
S8	PRICE	510	6X6	8X8	25	1,2	
S21	PRICE	SDGE	14X8	16X10	25	3	

NOTES:  
 1. PROVIDE WITH BORDER TYPE 3 FOR LAY-IN & BORDER TYPE 1 FOR CEILING/SURFACE MOUNTED. PROVIDE PLASTER FRAME WHEN SURFACE MOUNTED (IF AVAILABLE). COORDINATE WITH ARCHITECTURAL TO DETERMINE WHICH GRILLES/DIFFUSERS WILL BE SURFACE MOUNTED OR LAY-IN.  
 2. INCLUDE OPPOSED BLADE DAMPER, ACCESSIBLE THROUGH GRILLE WHERE AVAILABLE.  
 3. PROVIDE WITH AIR EXTRACTOR.

SPLIT SYSTEM HEAT PUMP INDOOR UNIT WITH ELECTRIC HEAT SCHEDULE																			
TAG	SUPPLY AIR (CFM)	OUTSIDE AIR (CFM)	ESP (IN WC)	MANUFACTURER	MODEL NUMBER	TOTAL CAPACITY (BTUH)	COOLING		HEATING		ELECTRICAL DATA			WEIGHT (LBS)	NOTES				
							SENSIBLE CAPACITY (BTUH)	INDOOR EAT (°F)	INDOOR EAT DB (°F)	INDOOR EAT WB (°F)	ELECTRIC HEAT (kW)	MCA (A)	MCOCP (A)			SERVICE			
AHU-1	525	65	0.8	TRANE	GAM5ADA18M11SA	17600	13200	80.0	67.0	17000	70.0	3.6	25.0	25	208	1	60	120	1,2,3,4
AHU-2	50	0.8	0.8	TRANE	GAM5ADA18M11SA	17600	13200	80.0	67.0	17000	70.0	3.6	25.0	25	208	1	60	120	1,2,3,4

NOTES (APPLY TO INDOOR AND OUTDOOR UNITS):  
 1. SCROLL COMPRESSORS, HIGH & LOW PRESSURE SWITCHES, SOLID STATE HEAD PRESSURE CONTROL (FAN SPEED), LOW AMBIENT CONTROL.  
 2. EVAPORATOR FRIEZE STAT & ISOLATION RELAY, CRANKCASE HEATER, START ASSIST RELAY, EXTERNAL SERVICE VALVES, TXV, SHORT CYCLE PROTECTION, BI-FLOW REFRIGERANT FILTER DRYER.  
 3. OUTDOOR THERMOSTAT FOR STRIP LOCKOUT, SINGLE POINT AHU POWER CONNECTION, TOTALLY ENCLOSED BALL BEARING OUTDOOR FAN MOTOR.  
 4. DISCONNECT SWITCH PROVIDED BY DIVISION 26.

DUCTLESS SPLIT SYSTEM INDOOR UNIT SCHEDULE																
TAG	LOCATION	SUPPLY AIR (CFM)	ESP (IN WC)	MANUFACTURER	MODEL NUMBER	TOTAL CAPACITY (BTUH)	SENSIBLE CAPACITY (BTUH)	INDOOR EAT (°F)		ELECTRICAL DATA			WEIGHT (LBS)	NOTES		
							DB	WB	MCA (A)	MCOCP (A)	V	PH	HZ			
DSS-1	DATA	420	0.3	MITSUBISHI	PKA-A18HA7	17200	12728	80	67	1.0	15	208	1	60	29	1,2,3,4

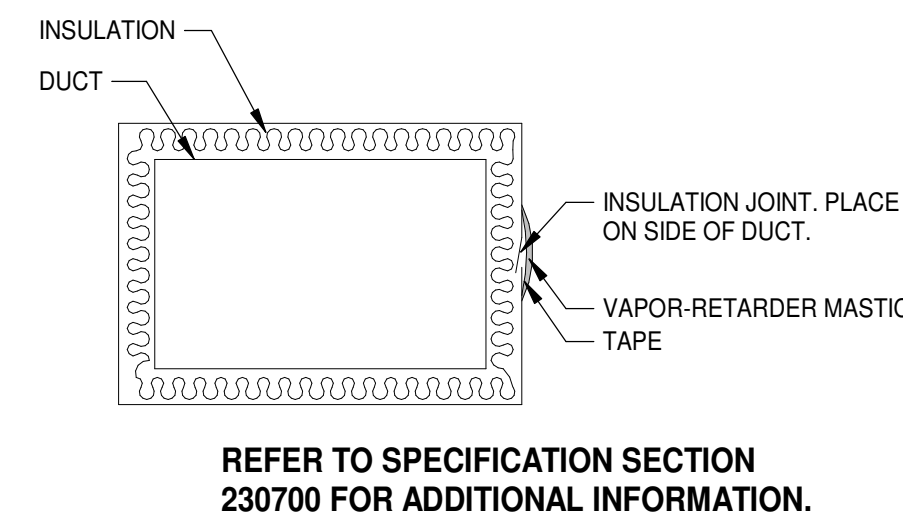
NOTES (APPLY TO DSS AND CU UNITS):  
 1. CAPACITY BASED ON INDOOR AND OUTDOOR UNITS OPERATING TOGETHER WITH AN OUTSIDE AMBIENT AIR TEMPERATURE OF 95°F SUMMER, 47°F WINTER. ENTERING AIR TEMP COOLING: 80/67. ENTERING AIR TEMP WINTER: 70°F SET THERMOSTAT TO 75°F COOLING AND 70°F HEATING.  
 2. UNIT TO HAVE R-410A. REFRIGERANT PIPING BETWEEN THE INDOOR AND OUTDOOR UNIT SHALL BE SIZED BY AC-UNIT MANUFACTURER. ALL VALVES AND FITTINGS REQUIRED TO COMPLY WITH AC-UNIT MANUFACTURERS INSTALLATION INSTRUCTIONS SHALL BE PROVIDED. INSTALL IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS FOR LONG LINE APPLICATION IF NECESSARY. INDOOR UNIT POWERED BY OUTDOOR UNIT VIA CONNECTING CABLE.  
 3. INCLUDE THE FOLLOWING OPTIONS: LOW AMBIENT CONTROLLER, CRANKCASE HEATER, WINTER START KIT, ISOLATION RELAY, HIGH AND LOW PRESSURE SWITCHES, DISCONNECT SWITCHES PROVIDED BY DIV 26.  
 4. HIGH WALL REMOTE THERMOSTAT.

SPLIT SYSTEM OUTDOOR UNIT SCHEDULE										
TAG	MANUFACTURER	MODEL NUMBER	AMBIENT AIR TEMPERATURE (°F)	ELECTRICAL DATA			REFRIGERANT	WEIGHT (LBS)		
				MCA (A)	MCOCP (A)	V	PH	HZ		
HP-1	TRANE	4TWR4018	95.0	12	20	208	1	60	R-410A	161
HP-2	TRANE	4TWR4018	95.0	12	20	208	1	60	R-410A	161

DUCTLESS SPLIT SYSTEM OUTDOOR UNIT SCHEDULE													
TAG	MANUFACTURER	MODEL NUMBER	LOCATION	AMBIENT AIR TEMPERATURE (°F)	MCA (A)	MCOCP (A)	V	PH	HZ	REFRIGERANT	WEIGHT (LBS)		
CU-1	MITSUBISHI	PUZ-A18NK47	EXTERIOR	95.0	13	15	208	1	60	R-410A	99		

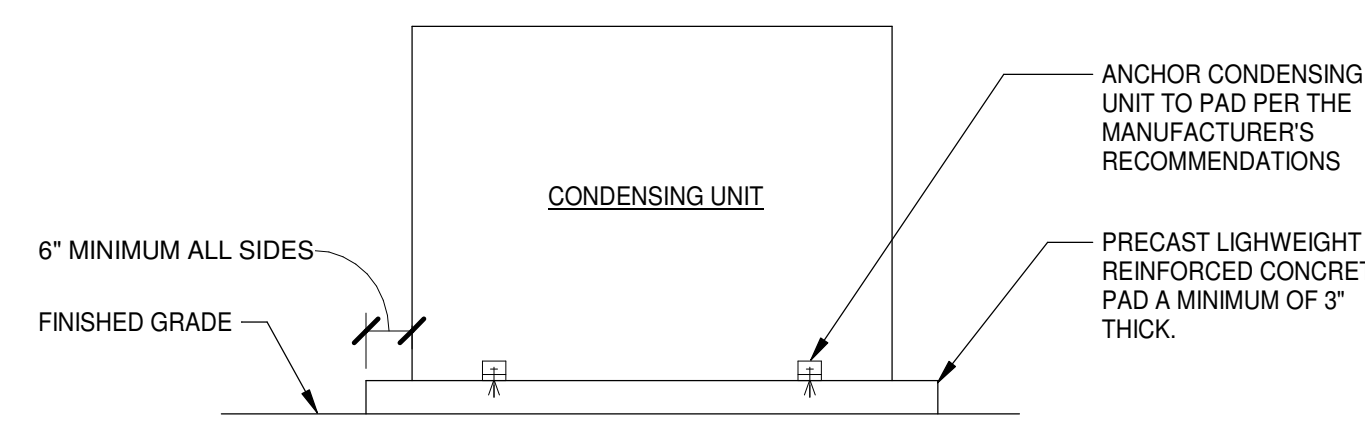
DEDICATED OUTSIDE AIR UNIT WITH ENTHALPY WHEEL SCHEDULE (ELECTRIC HEAT)																																							
TAG	MFR	MODEL NUMBER	SERVING	LOCATION	SUPPLY FAN WHEEL				EXHAUST FAN WHEEL				ENTHALPY WHEEL				COOLING COIL		ELECTRIC HEATING COIL		ELECTRICAL DATA																		
					DESIGN AIRFLOW (CFM)	ESP (IN WC)	TYPE	FAN SPEED (RPM)	MOTOR SIZE (HP)	DESIGN AIRFLOW (CFM)	ESP (IN WC)	TYPE	FAN SPEED (RPM)	MOTOR SIZE (HP)	DESIGN AIRFLOW (CFM)	ESP (IN WC)	TYPE	FAN SPEED (RPM)	MOTOR SIZE (HP)	EAT	LAT	CAPACITY (KW)	EAT (°F)	LAT (°F)	(V)	(PH)	(HZ)	MCA	MCOCP	(LBS)	NOTES								
					(°F DB)	(°F WB)	(°F DB)	(°F WB)	(°F DB)	(°F WB)	(°F DB)	(°F WB)	(°F DB)	(°F WB)	(°F DB)	(°F WB)	(°F DB)	(°F WB)	(°F DB)	(°F WB)	(°F DB)	(°F WB)	(°F DB)	(°F WB)	(°F DB)	(°F WB)	(°F DB)	(°F WB)	(°F DB)	(°F WB)	(°F DB)	(°F WB)							
DOAS-1	DAIKIN	DPS003A	MORGUE	EXTERIOR	800	1.00	AF	1599	2.5	800	0.50	AF	1664	4.0	800	95.0	75.0	80.3	66.2	7.0	5.0	51.8	39.4	33835	24079	79.6	65.7	51.3	51.2	6.0	45.9	89.8	208	3	60	41 A	45 A	1359	1

NOTES:  
 1. ECONOMIZER, SPACE TEMPERATURE/HUMIDITY SENSOR BY MANUFACTURER, SINGLE POINT POWER CONNECTION WITH UNIT MOUNTED DISCONNECT BY FACTORY (THROUGH THE BASE ELECTRICAL). UNIT TO BE DX COOLING WITH SCR ELECTRIC HEAT, ENERGY RECOVERY WHEEL, HOT GAS REHEAT / DEHUMIDIFICATION.



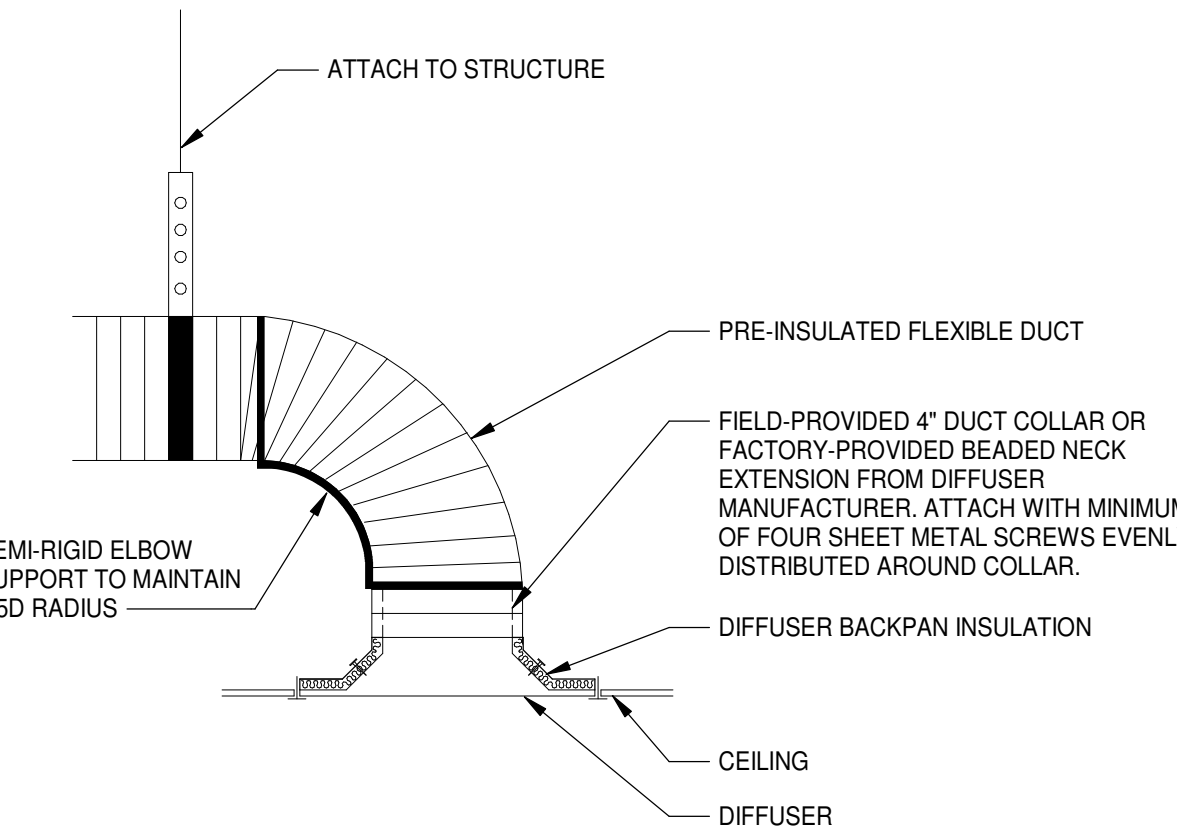
**DUCT INSULATION JOINT DETAIL**

NO SCALE



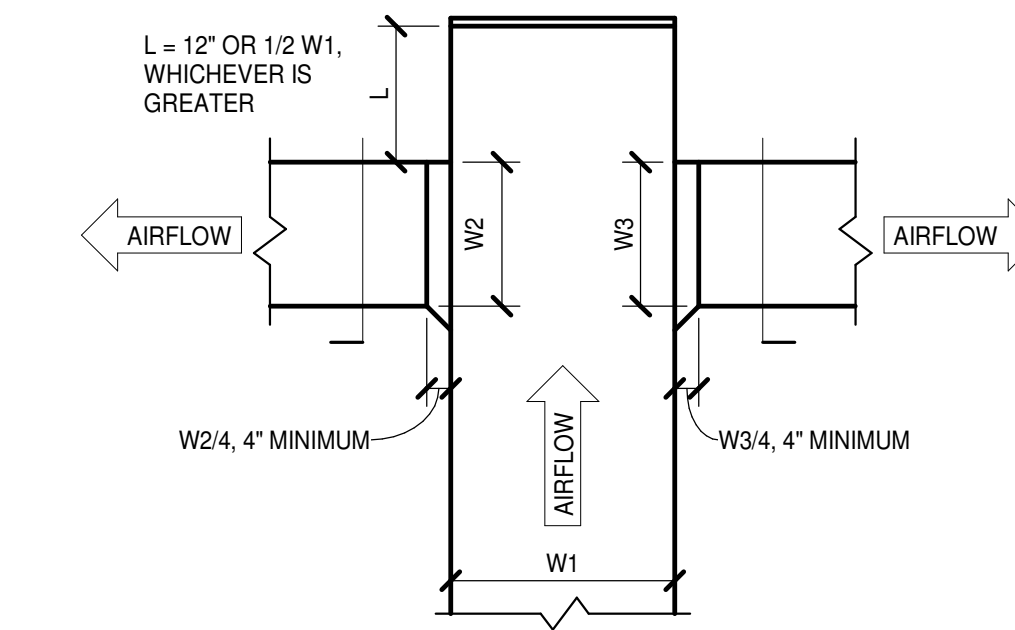
**CONDENSING UNIT MOUNTING DETAIL**

NO SCALE



**FLEXIBLE DUCT TO DIFFUSER CONNECTION DETAIL**

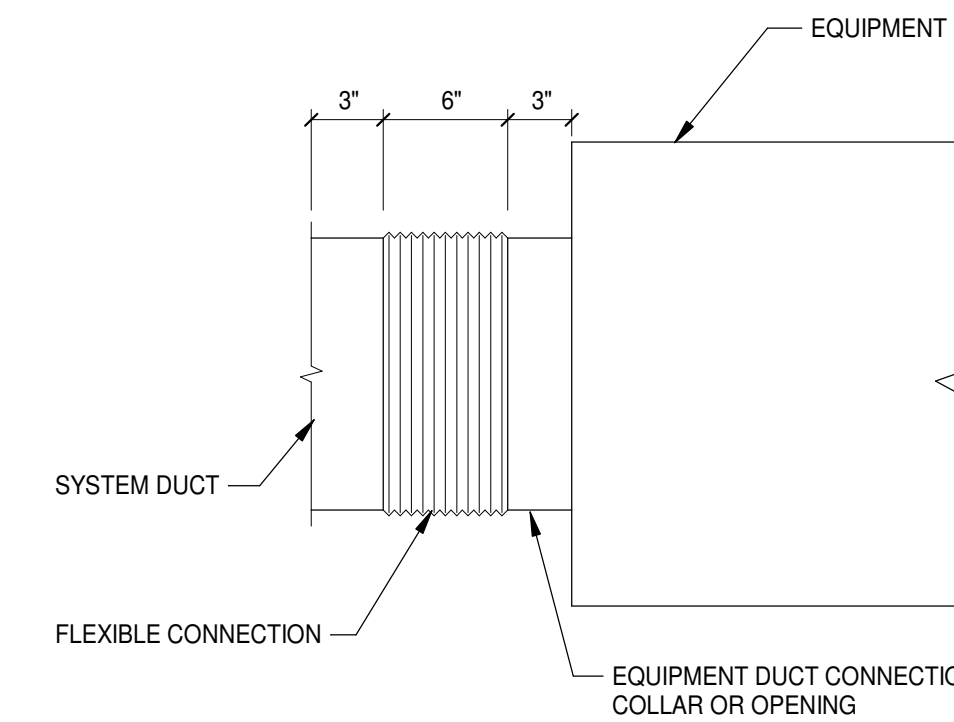
NO SCALE



NOTE:  
1. REFER TO BRANCH CONNECTION TO DIFFUSER DETAILS FOR BRANCH TAKE-OFF REQUIREMENTS.

**END OF DUCT MAIN DETAIL**

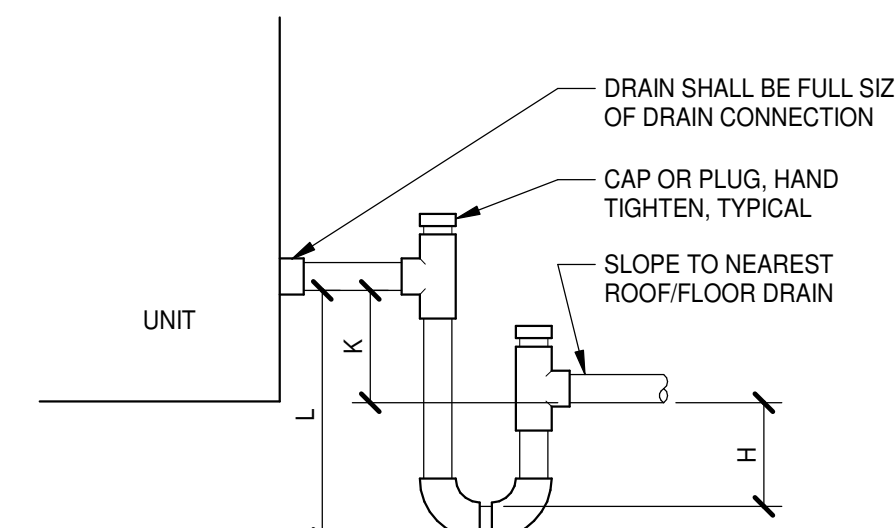
NO SCALE



NOTE: THIS DETAIL APPLIES TO ALL DUCT CONNECTIONS TO AIR HANDLING UNITS AND FANS UNLESS OTHERWISE INDICATED.

**EQUIPMENT DUCT CONNECTION DETAIL**

NO SCALE



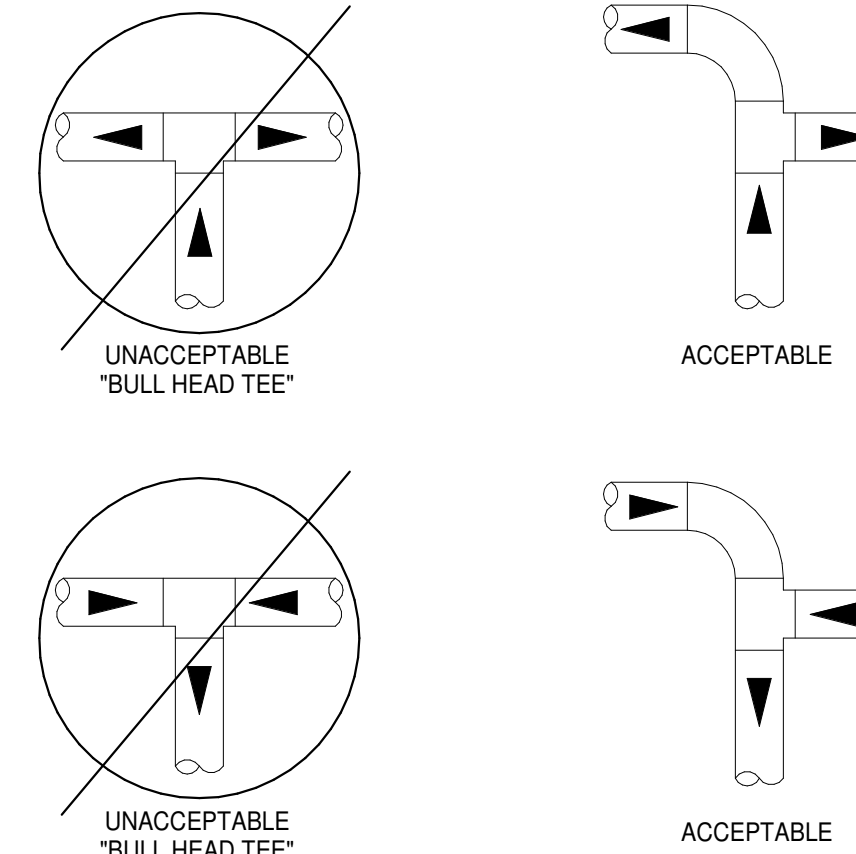
$K = 1"$  FOR EACH 1" OF MAXIMUM NEGATIVE STATIC PRESSURE + 1"  
 $H = 1/2K$   
 $L = H + K + \text{PIPE DIAMETER} + \text{INSULATION}$

- NOTES:
1. LOCATE TRAP AS CLOSE AS POSSIBLE TO UNIT OUTLET WITH BOTTOM BELOW SUPPORT STRUCTURE.
  2. COORDINATE MOUNTING/CURB HEIGHT AS REQUIRED TO PROVIDE PROPER CONDENSATE DRAINAGE/TRAP HEIGHT.
  3. NOTIFY ARCHITECT BEFORE FABRICATION IF PHYSICAL CONDITIONS PREVENT INSTALLATION OF DEPTH INDICATED.

**NEGATIVE PRESSURE CONDENSATE DRAIN DETAIL**

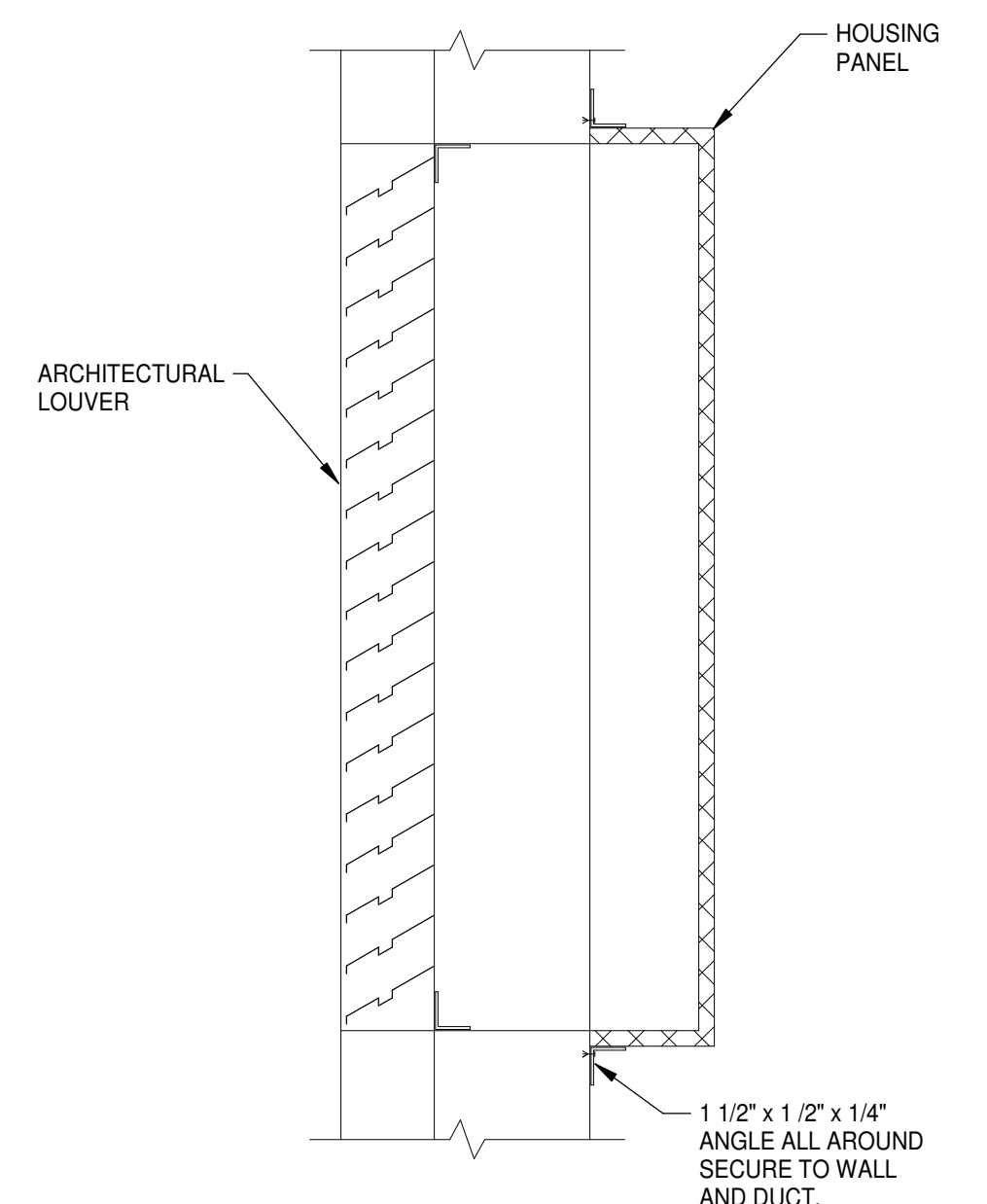
NO SCALE

ALL EXPOSED DUCTWORK AND PIPING SHALL BE NOTED AS "EXPOSED" ON THE PLANS.



**PIPE TEE CONFIGURATION DETAIL**

NO SCALE



**WALL LOUVER DETAIL**

NO SCALE

**AIR HANDLING UNIT INSTALLATION:**

PROVIDE DUCTED PLENUM STAND. STAND SHALL BE COMPLETELY INSULATED. STAND SHALL BE RIGID ENOUGH TO SUPPORT UNIT AND DUCTWORK WITHOUT DEFLECTION. INSURE THAT THERE IS AN AIR-TIGHT SEAL BETWEEN UNIT AND STAND. POORLY CONSTRUCTED STANDS WILL BE REJECTED.

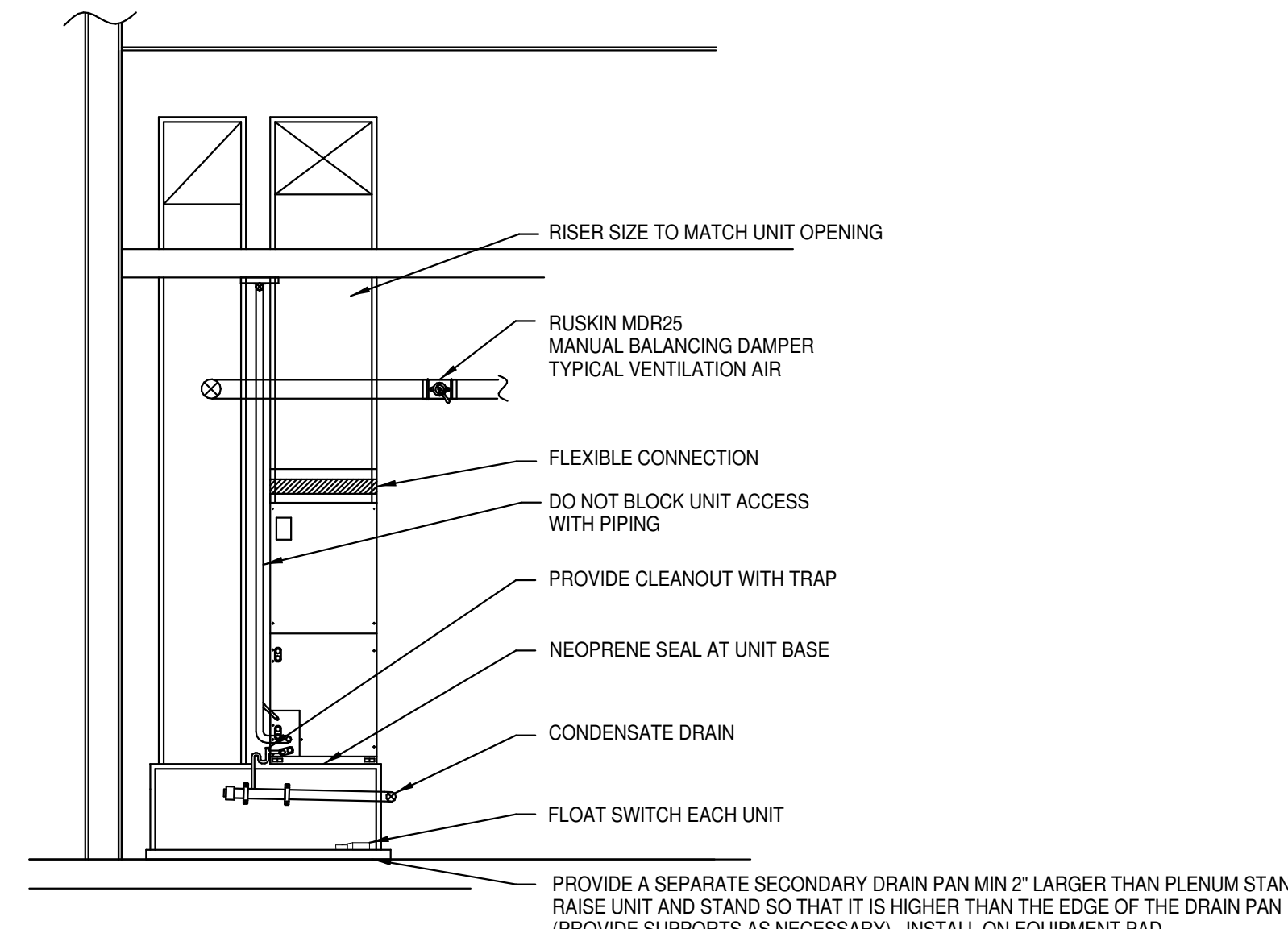
PROVIDE SECONDARY DRAIN PAN WITH A FLOAT SWITCH WIRED TO SHUTDOWN THE AIR HANDLER AND THE CONDENSING UNIT.

INSTALL ALL ITEMS SHIPPED LOOSE WITH THE UNIT. INSTALL ELECTRIC HEAT COILS. PROVIDE FOR ELECTRICAL SUBCONTRACTOR INVOLVEMENT AS NEEDED. COORDINATE WITH THE SUPPLIER TO UNDERSTAND WHAT FEATURES AND OPTIONS ARE FIELD INSTALLED.

INSURE THAT PROPER ACCESS TO THE UNIT IS MAINTAINED. DO NOT RUN PIPING IN FRONT OF ACCESS PANELS.

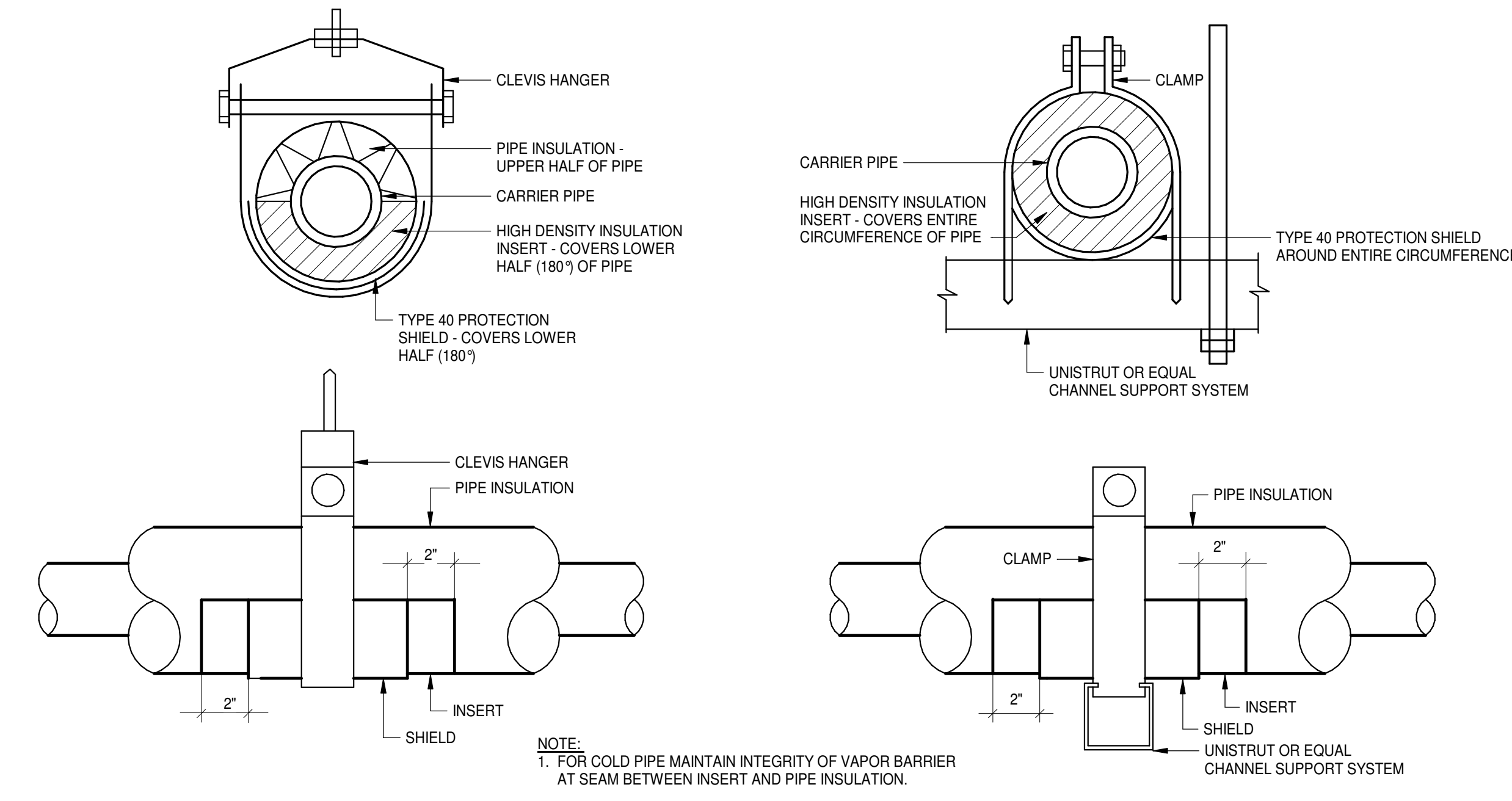
INSTALL REFRIGERANT PIPING AS HIGH AS POSSIBLE DROPPING AS NECESSARY TOWARDS CONDENSING UNIT. CONTRACTOR SHALL INVESTIGATE OBSTRUCTIONS AND SELECT THE ROUTE RESULTING IN THE BEST PIPE APPLICATION.

SUPPORT HORIZONTAL REFRIGERANT SUCTION PIPING 4 FEET ON CENTER. LIQUID LINE MAY BE STRAPPED TO THE INSULATED SUCTION LINE WITH DUCT TAPE.



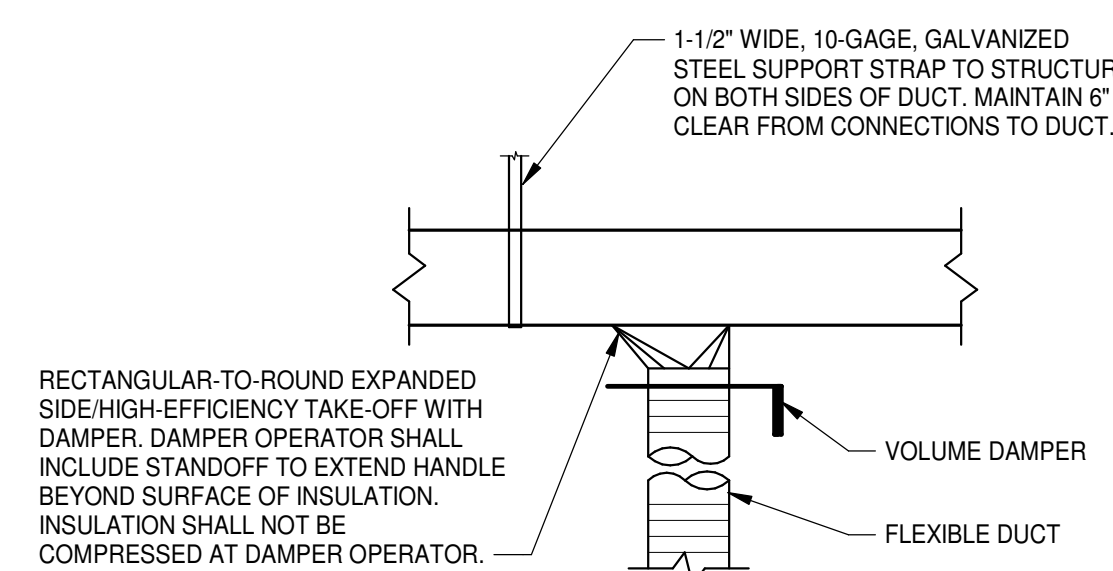
**SPLIT SYSTEM HEAT PUMP**

NO SCALE



**PIPE SUPPORT AND THERMAL SHIELD DETAILS**

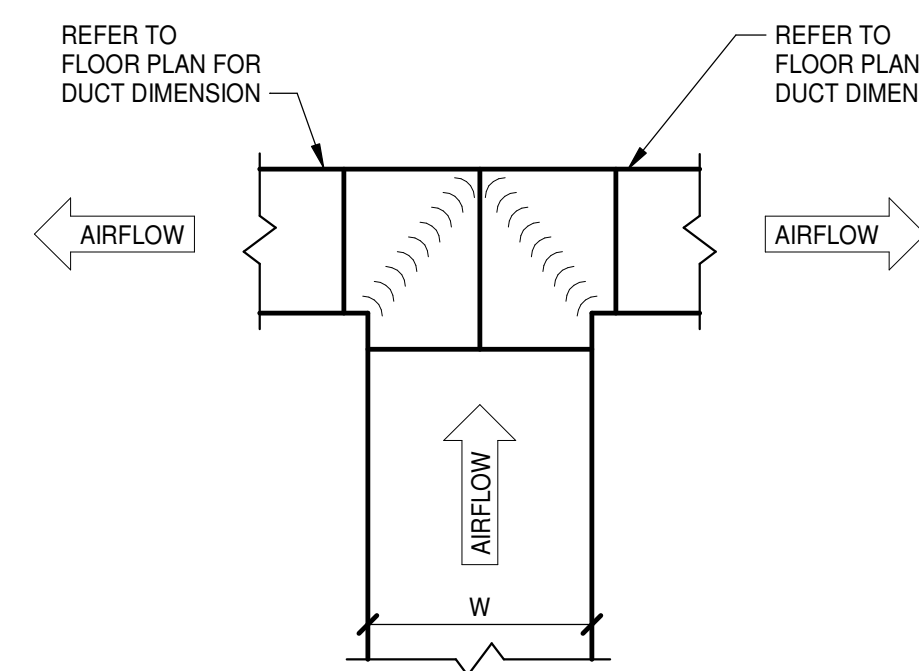
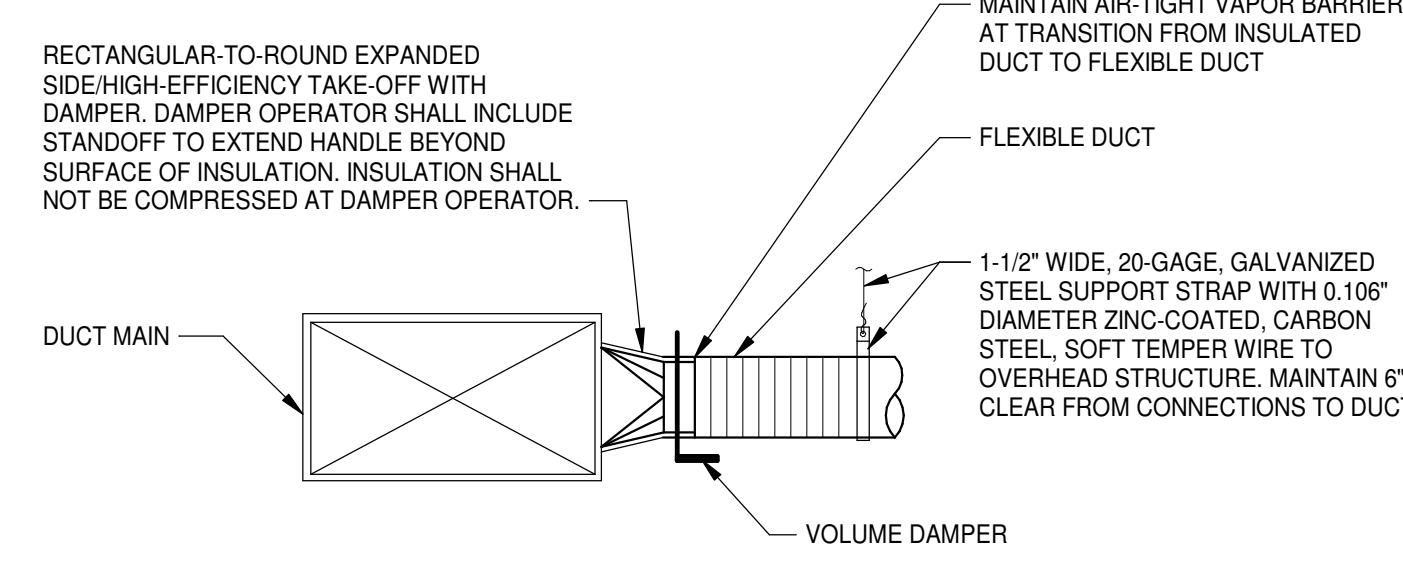
NO SCALE



- NOTES:
1. FLEXIBLE DUCT SHALL BE INSTALLED OVER METAL DUCT (BEAD UP ON METAL DUCT) AND ANCHORED WITH NYLON MECHANICAL BANDS OR PANDUIT STRAP
  2. IN EXPOSED AREAS, PROVIDE RIGID GALVANIZED STEEL BRANCH DUCT TO DIFFUSERS IN LIEU OF FLEXIBLE DUCT UNLESS INDICATED OTHERWISE. SUPPORT IN ACCORDANCE WITH REQUIREMENTS SPECIFIED FOR METAL DUCTS.

**BRANCH CONNECTION TO DIFFUSER DETAILS**

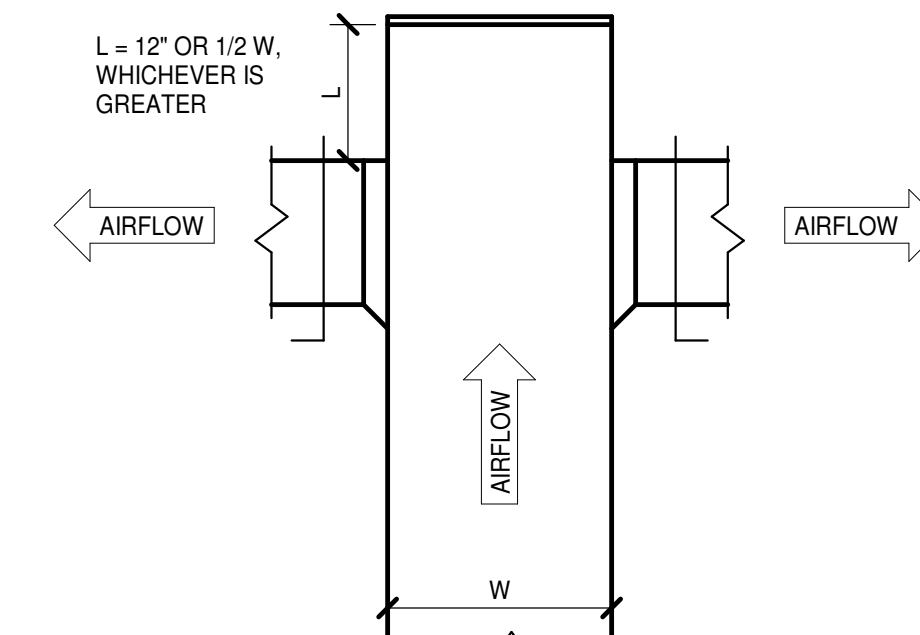
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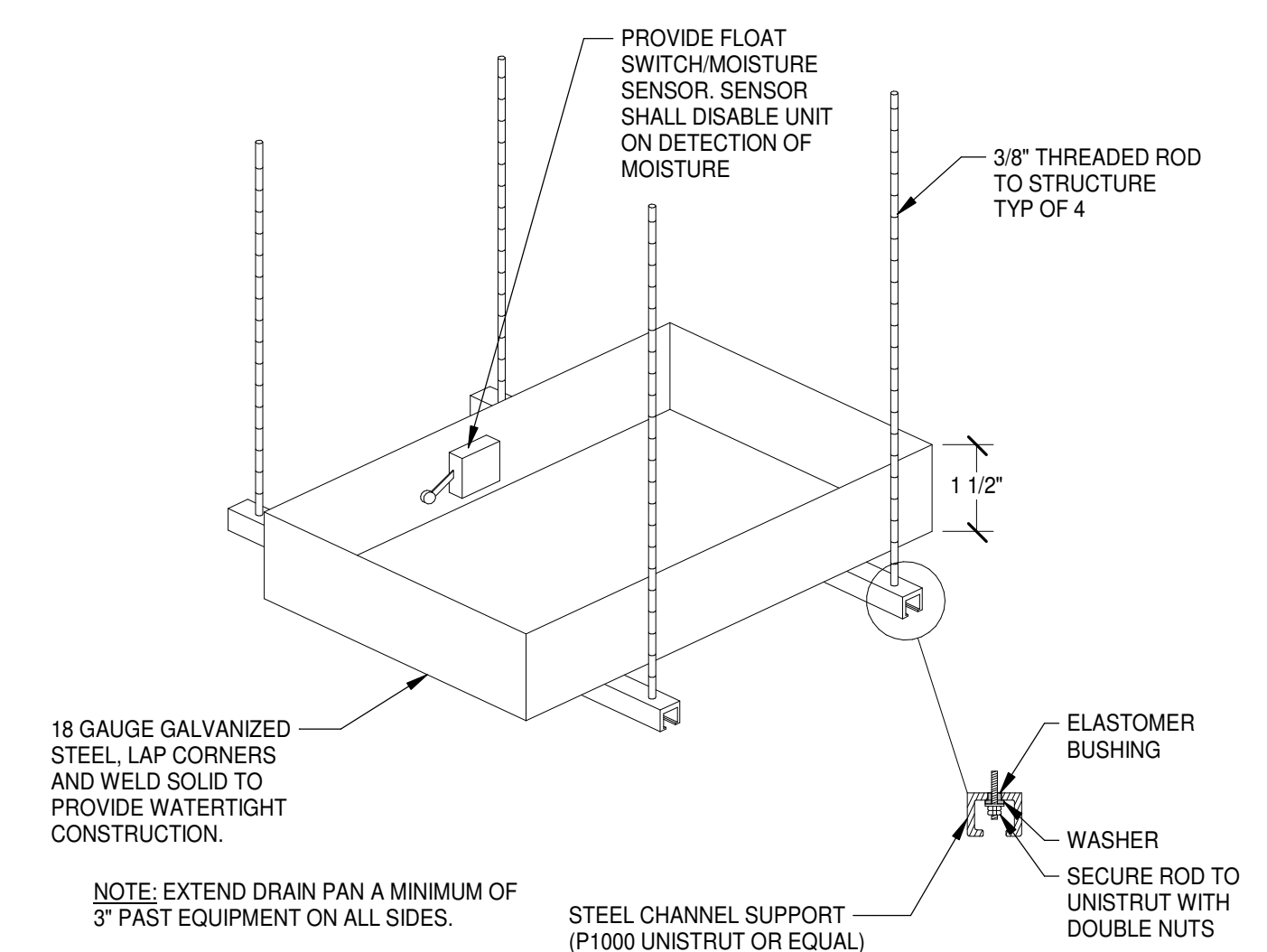
- NOTES:
1. APPLIES WHERE "W" EXCEEDS 24" OR WHEN AIRFLOW EXCEEDS 1,500 CFM.

**DIVIDED FLOW BRANCH DETAILS**

NO SCALE

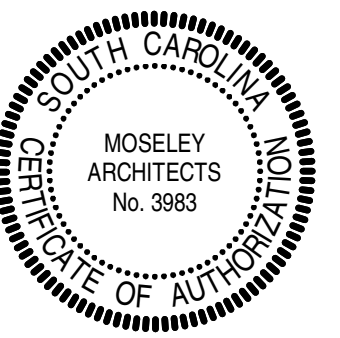


- NOTES:
1. REFER TO BRANCH CONNECTION TO DIFFUSER DETAILS FOR BRANCH TAKE-OFF REQUIREMENTS.
  - APPLIES TO:
    - A. WHERE "W" IS LESS THAN 24"
    - B. ROUND DUCT BRANCHES TO DIFFUSERS
    - C. WHEN AIRFLOW IS EQUAL TO OR LESS THAN 1,500 CFM.



**AUXILIARY DRAIN PAN MOUNTING DETAIL**

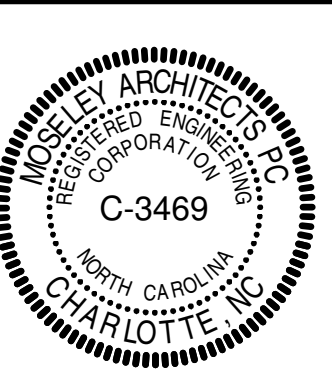
NO SCALE



PROJECT NO:	611315
DATE:	MARCH 08, 2024
REVISIONS	
DATE	DESCRIPTION

REVISIONS	
DATE	DESCRIPTION





PROJECT NO:	611315
DATE:	FEBRUARY 09, 2024
REVISIONS	
DATE	DESCRIPTION

GENERAL NOTES

- A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
- B. FOLLOW MOUNTING HEIGHTS INDICATED IN THE ELECTRICAL LEGEND UNLESS OTHERWISE INDICATED. MEASURE ALL MOUNTING HEIGHTS FROM THE DEVICE CENTER LINE UNLESS OTHERWISE INDICATED.
- C. FIELD VERIFY EXACT FEEDER LOCATIONS FOR MECHANICAL EQUIPMENT PRIOR TO ROUGH-IN.
- D. EQUIPMENT CONNECTIONS ARE INDICATED IN THEIR APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS OF ALL CONNECTIONS WITH OTHER TRADES SUPPLYING EQUIPMENT TO AVOID CONFLICTS AT INSTALLATION.
- E. LOCATED ALL SWITCHES FOR LOCAL CONTROL OF LIGHTING ON STRIKE SIDE OF SINGLE DOORS UNLESS OTHERWISE INDICATED.
- F. PROVIDE SPECIFIC BREAKER ARRANGEMENT FOR THE PANEL BOARDS WHEREVER PHYSICALLY POSSIBLE. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPE WRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT.
- G. PROVIDE AS-BUILT DRAWINGS INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. PROVIDE TYPE WRITTEN PANELBOARD DIRECTORIES INDICATING ACTUAL BRANCH CIRCUIT ARRANGEMENT. HAND WRITTEN SCHEDULES ARE NOT ACCEPTABLE.
- H. ALL CONDUIT RUNS INDICATED ARE DIAGRAMMATIC. COORDINATE ROUTING IN ALL SPACES WITH OTHER TRADES.
- I. ALL PANELBOARDS INDICATED ARE HOUSED IN A SINGLE WIDTH ENCLOSURE. UNO, THE CONTRACTOR SHALL FIELD VERIFY ROOM LAYOUT AND ADJUST ACCORDINGLY. AT NO COST TO THE OWNER, IF PROVIDING ANY PANELBOARD ENCLOSURES.
- J. WHERE POWER AND COMMUNICATION OUTLETS ARE INDICATED IN CLOSE PROXIMITY ON THE DRAWINGS, FIELD COORDINATE THE LOCATIONS TO PLACE THE OUTLETS ADJACENT TO EACH OTHER.
- K. ALL EXTERIOR RECEPTACLES SHALL BE LABELED "WR" - WEATHER RESISTANT.
- L. WHEN GROUPING MULTIPLE LINE TO NEUTRAL BRANCH CIRCUITS IN A CONDUIT, PROVIDE DEDICATED COLOR CODED NEUTRAL CONDUCTORS FOR EACH CIRCUIT. DO NOT USE BREAKER TIES AND SHARED NEUTRALS EVEN THOUGH PERMITTED BY NEC.
- M. PROVIDE A 2" WIDE YELLOW LINE PAINTED ON THE FLOOR INDICATING THE ELECTRICAL WORKING SPACE. IN FRONT OF ALL ELECTRICAL PANELS IN ELECTRICAL ROOMS, REFER TO PLANS FOR ELECTRICAL WORKING SPACE DETAILS. STENCIL "NO STORAGE IN 2" HIGH, YELLOW LETTERS CENTERED IN THE OUTLINED AREA.

ABBREVIATIONS

1P	SINGLE PHASE
3P	THREE PHASE
3R	WEATHERPROOF (NEMA 3R)
A	AMPS
AF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BKR	BREAKER
C	CONDUIT
CATV	COMMUNITY ANTENNA TELEVISION (CABLE)
CB	CIRCUIT BREAKER
CBL	CABLE
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CLR	CLEAR
CO	COMPANY
COMB	COMBINATION
COMM	COMMUNICATIONS
CU	COPPER
DIA	DIAMETER
DISC	DISCONNECT
DIV	DIVISION
DWG	DRAWING
EBH	ELECTRIC BASEBOARD HEATER
EC	EMPTY CONDUIT
ECSS	EMERGENCY COMMUNICATIONS STATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EPO	EMERGENCY POWER OFF
EQ	EQUIPMENT
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EX	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FAGP	FIRE ALARM GRAPHIC PANEL
FAXP	FIRE ALARM EXTENDER PANEL
FFSCP	FIRE FIGHTER'S SMOKE CONTROL PANEL
FLA	FULL LOAD AMPS
FMFR	FUSE PER MANUFACTURERS REQUIREMENTS/RECOMMENDATIONS
FPND	FUSE PER NAMEPLATE DATA
G	GROUND
GE	GROUND FAULT PROTECTION FOR EQUIPMENT, 5-50mA PER NEC 427.22 (PROVIDE ACCESSORY FOR INDICATED BREAKER)
GFCCI	GROUND FAULT CIRCUIT INTERRUPT
GFP	GROUND FAULT PROTECTION FOR PERSONNEL, 4-6mA (PROVIDE ACCESSORY FOR INDICATED BREAKER)
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
Hz	HERTZ
IAW	IN ACCORDANCE WITH
IG	ISOLATED GROUND
J-BOX	JUNCTION BOX
KHFS	KITCHEN HOOD FIRE SUPPRESSION SYSTEM
KHz	KILOHERTZ
KVA	KILOVOLT AMPS
KW	KILOWATTS
KWH	KILOWATT HOURS
L	LOOKOUT TO PREVENT UNAUTHORIZED SWITCHING (PROVIDE ACCESSORY FOR INDICATED BREAKER)
LC	ROUTE CIRCUIT TO LOAD VIA LIGHTING CONTRACTOR, REFER TO LC SCHEDULE
LED	LIGHT EMITTING DIODE
LTG	LIGHTING
LTS	LIGHTS
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPACITY
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MH	METAL HALIDE
MHz	MEGAHERTZ
MIN	MINIMUM
ML	MAINTENANCE LOCK (PROVIDE ACCESSORY FOR INDICATED BREAKER)
MLO	MAIN LUG ONLY
MMS	MASS NOTIFICATION SYSTEM
MOSP	MAXIMUM OVER CURRENT PROTECTION
MTD	MOUNTED
N	NEUTRAL
N/C	NORMALLY CLOSED
NO	NORMALLY OPEN
NO	NUMBER
OCF	OWNER FURNISHED CONTRACTOR INSTALLED
P	PILOT LIGHT (AT THE SWITCH HANDLE)
PBD	PANELBOARD
PD	PROTECTIVE DEVICE
RCPT	RECEPTACLE
REC	RECEPTACLE
SEC	SECURITY
SPD	SURGE PROTECTIVE DEVICE
SPEC.	SPECIFICATIONS
ST	SHUNT TRIP, 120V COIL, (PROVIDE ACCESSORY FOR INDICATED BREAKER)
SW	SWITCH
SWBD	SWITCHBOARD
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TO	TELECOMMUNICATIONS CLOSET
TELECOM	TELECOMMUNICATIONS
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUS BAR
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
W	WITH
WG	WIRE GUARD
WP	WEATHERPROOF
XFER	TRANSFER
XFMR	TRANSFORMER

COMMUNICATIONS LEGEND

- NOTE: REFER TO DETAILS ON E4.1 FOR BOX & CONDUIT, CABLING AND TERMINAL JACK REQUIREMENTS.
- SYMBOL DESCRIPTION**
- ▽ TELECOMMUNICATIONS OUTLET, MOUNT AT +3'-10" AFF.
  - ▽ TELECOMMUNICATIONS OUTLET, MOUNT AT +1'-6" AFF.
  - ▽ INMATE PHONE, MOUNT AT +3'-10" AFF.
  - ▽ RECESSED FLOOR MOUNT DEVICE COMPLETE WITH FITTINGS FOR FLOOR COVERING.
  - ▽ VIDEO VISIT STATION, REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHT
  - ▽ CATV OUTLET, REFER TO DETAIL ON E4.1 AND ARCHITECTURAL DRAWING FOR MOUNTING HEIGHTS.
  - ▽ REFER TO DETAIL ON E4.1 AND ARCHITECTURAL DRAWING FOR MOUNTING HEIGHTS.
  - ▽ POWER/COMMUNICATIONS RECESSED FLOOR BOX, SUBSCRIPT LETTER INDICATES OUTLET TYPE. REFER TO "TYPICAL COMMUNICATION OUTLET DETAIL" FOR BOX AND CONDUIT REQUIREMENTS.
  - ▽ POWER/COMMUNICATIONS POKE-THRU FLOOR BOX, SUBSCRIPT LETTER INDICATES OUTLET TYPE. (2) 3/4" CONDUITS, (1) EACH AT OPPOSITE SIDES, TO STUB UP AT NEAREST COMMUNICATION CROSS-CONNECT, UNO. REFER TO "TYPICAL COMMUNICATION OUTLET DETAIL".
  - ▽ SYSTEM FURNITURE COMMUNICATIONS CONNECTION VIA FLUSH WALL BOX MOUNTED, +4" AFF. PROVIDE 1/2" CONDUIT WITH BUSHINGS FROM BOX TO ABOVE CEILING. COORDINATE WITH FURNITURE PROVIDER PRIOR TO ROUGH-IN.
  - ▽ WIRELESS ACCESS POINT
  - ▽ TELECOMMUNICATIONS EQUIPMENT RACK.
  - ▽ 2" MET CONDUIT SLEEVE WITH NYLON BUSHING EACH END UNO, THRU WALL AT +6" ABOVE FINISHED CEILING.
  - ▽ TELECOMMUNICATIONS GROUND BUS BAR, MOUNT AT +1'-6" AFF.
  - ▽ SMOKE DAMPERS, REFER TO DETAILS MATRIX ON E4.1

LIGHTING LEGEND

- SYMBOL DESCRIPTION**
- S LIGHT SWITCH, RATED 120/277 VOLTS, 20 AMPS, MOUNT AT +3'-10" AFF. SUBSCRIPT/SUPERSCRIP LETTERS, NUMBERS, AND SYMBOLS INDICATES SWITCH TYPE AS FOLLOWS:
    - S 3 INDICATES 3-WAY LIGHT SWITCH
    - S 4 INDICATES 4-WAY LIGHT SWITCH
    - S D INDICATES DIMMER SWITCH
    - S P INDICATES PILOT LIGHT, ON WHEN SWITCH IS ON
    - S K INDICATES KEY OPERATED LIGHT SWITCH
    - S OS INDICATES SWITCH WITH INTEGRAL OCCUPANCY SENSOR
    - S OD INDICATES DIMMER SWITCH WITH INTEGRAL OCCUPANCY SENSOR
  - LOWER CASE LETTER INDICATES LIGHT FIXTURE CONTROL DESIGNATION
  - OMNI-DIRECTIONAL LIGHTING CONTROL, OCCUPANCY DETECTOR, CEILING MOUNT.
  - PHOTOELECTRIC CELL FOR LIGHTING CONTROL, WALL MOUNT AT +10'-0" AFF. AIM NORTH.
  - LIGHT FIXTURE, CEILING MOUNT.
  - LIGHT FIXTURE ON EMERGENCY POWER, CEILING MOUNT.
  - LIGHTING FIXTURE.
  - LIGHTING FIXTURE ON EMERGENCY POWER.
  - WALL WASHER LIGHTING FIXTURE.
  - LIGHT FIXTURE, WALL MOUNT, HEIGHT AS INDICATED.
  - EXIT SIGN, CEILING MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.
  - EXIT SIGN, WALL MOUNT. DIRECTIONAL ARROWS AS INDICATED. SHADING INDICATES FACE(S) OF SIGN.
  - LIGHT FIXTURE, POLE MOUNT.

COPPER FEEDER SCHEDULE

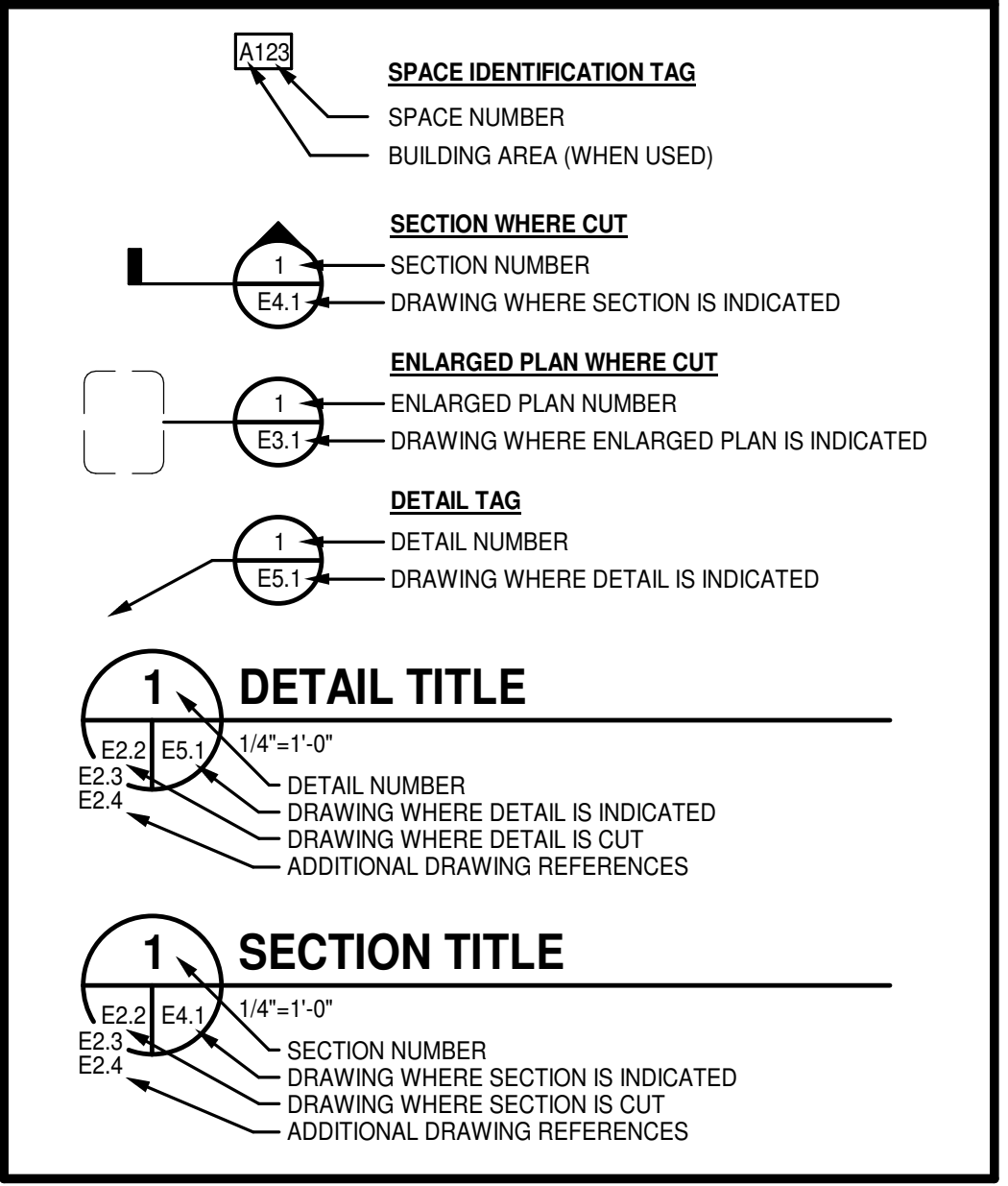
FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY	MINIMUM CONDUIT SIZE	FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY	MINIMUM CONDUIT SIZE
(30)	1	3#10,#10 G	3/4"	(30)	1	4#10,#10 G	3/4"
(35)	1	3#8,#10 G	3/4"	(35)	1	4#8,#10 G	3/4"
(40)	1	3#8,#10 G	3/4"	(40)	1	4#8,#10 G	3/4"
(45)	1	3#6,#10 G	1"	(45)	1	4#6,#10 G	1"
(50)	1	3#6,#10 G	1"	(50)	1	4#6,#10 G	1"
(60)	1	3#4,#10 G	1"	(60)	1	4#4,#10 G	1"
(70)	1	3#4,#8 G	1 1/4"	(70)	1	4#4,#8 G	1 1/4"
(80)	1	3#3,#8 G	1 1/4"	(80)	1	4#3,#8 G	1 1/4"
(90)	1	3#2,#8 G	1 1/4"	(90)	1	4#2,#8 G	1 1/4"
(100)	1	3#1,#8 G	1 1/4"	(100)	1	4#1,#8 G	1 1/4"
(110)	1	3#2,#6 G	1 1/2"	(110)	1	4#2,#6 G	1 1/2"
(125)	1	3#1,#6 G	1 1/2"	(125)	1	4#1,#6 G	1 1/2"
(150)	1	3#10,#6 G	2"	(150)	1	4#10,#6 G	2"
(175)	1	3#20,#6 G	2"	(175)	1	4#20,#6 G	2"
(200)	1	3#30,#6 G	2"	(200)	1	4#30,#6 G	2"
(225)	1	3#40,#4 G	2 1/2"	(225)	1	4#40,#4 G	2 1/2"
(250)	1	3-250KCM,#4 G	2 1/2"	(250)	1	4-250KCM,#4 G	2 1/2"
(300)	1	3-350KCM,#4 G	2 1/2"	(300)	1	4-350KCM,#4 G	2 1/2"
(350)	2	3#20,#3 G	3"	(350)	2	4#20,#3 G	3"
(400)	2	3#30,#3 G	2"	(400)	2	4#30,#3 G	2"
(400S)	2	3#30	2"				

- NOTES:  
1. ELECTRICAL CONTRACTOR TO VERIFY CONDUIT SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.  
2. FEEDER SIZES BASED ON TABLE 310.15(B)(16), 75° C.  
3. SIZES ADJUSTED PER NEC 110.14.

POWER LEGEND

- SYMBOL DESCRIPTION**
- APPLIANCE RECEPTACLE, MOUNT AT +1'-6" AFF. PROVIDE NEMA CONFIGURATION TO MATCH PLUG FOR EQUIPMENT SERVED.
  - DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
  - DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF.
  - DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +7'-6" AFF.
  - GFCCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF. PROVIDE NEMA 3R "WHILE IN USE" ENCLOSURE.
  - GFCCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
  - GFCCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF.
  - DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
  - DOUBLE DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF.
  - CORD REEL OUTLET, CEILING MOUNT.
  - METALLIC SURFACE RACEWAY, DEVICES AS INDICATED, MOUNT AT +1'-6" AFF, UNO.
  - JUNCTION BOX, CONCEALED ABOVE CEILING, UNO.
  - MUSHROOM SWITCH, HEAVY DUTY WITH LEGEND PLATE, MOUNT W/HANDLE AT +3'-10" AFF, UNO.
  - MANUAL MOTOR STARTER, OVERLOAD PROTECTION AS REQUIRED PER NAME PLATE RATINGS, WITH "ON" INDICATOR PILOT LIGHT, FLUSH MOUNT W/HANDLE AT +3'-10" AFF, UNO.
  - DISCONNECT SWITCH, FUSIBLE OR NON-FUSIBLE AS INDICATED, MOUNT W/HANDLE AT +4'-6" AFF, UNO.
  - MAGNETIC MOTOR STARTER, WITH OVERLOAD RELAYS AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED, PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS, MOUNT W/HANDLE AT +4'-6" AFF, UNO.
  - COMBINATION MAGNETIC STARTER AND DISCONNECT SWITCH, WITH OVERLOAD ELEMENTS AND FUSING AS REQUIRED TO SERVE MANUFACTURER REQUIREMENTS OF EQUIPMENT SERVED, PROVIDE WITH HAND-OFF-AUTOMATIC SELECTOR SWITCH AND INDICATOR LIGHTS, MOUNT W/HANDLE AT +4'-6" AFF, UNO.
  - EQUIPMENT POWER CONNECTION.
  - MOTOR CONNECTION.
  - CONNECTION TO DIV 23 MOTORIZED DAMPER, VERIFY LOCATION.
  - POWER FOR ELECTRIC DOOR LOCK CONNECTION.
  - EMERGENCY GENERATOR.
  - PANELBOARD.
  - TRANSFORMER, PROVIDE CONCRETE HOUSEKEEPING PAD UNLESS NOTED OTHERWISE.
  - XXX FEEDER TAG, REFER TO FEEDER SCHEDULE

GRAPHICS SYMBOLS LEGEND



FIRE ALARM LEGEND

- SYMBOL DESCRIPTION**
- △ FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE, MOUNT AT 80° AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
  - △ FIRE ALARM VISUAL STROBE NOTIFICATION DEVICE, 80° AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING.
  - ▽ FIRE ALARM AUDIO/VISUAL NOTIFICATION DEVICE WITH DEVICE GUARD, 80° AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING, # # INDICATES STROBE SETTING AND REDUCED EFFECTIVE OUTPUT WHEN DEVICE GUARD IS PRESENT.
  - △ FIRE ALARM VISUAL STROBE NOTIFICATION DEVICE, 80° AFF AND NOT MORE THAN 96". SUBSCRIPT NUMBER INDICATES STROBE CANDELA RATING, # # INDICATES STROBE SETTING AND REDUCED EFFECTIVE OUTPUT WHEN DEVICE GUARD IS PRESENT.
  - ▽ FIRE ALARM MANUAL PULL STATION, MOUNT AT +3'-10" AFF.
  - ▽ FIRE ALARM MANUAL PULL STATION, KEY OPERATED, MOUNT AT +3'-10" AFF.
  - FIRE ALARM DUCT SMOKE DETECTOR, FURNISH AND CONNECT UNDER DIVISION 28. INSTALL UNDER DIVISION 23. VERIFY LOCATION WITH DIVISION 23 PRIOR TO ROUGH-IN. PROVIDE ACCESSIBLE KEY OPERATED REMOTE TEST SWITCH FOR EACH DETECTOR.
  - SMOKE DETECTOR, CEILING MOUNT.
  - HEAT DETECTOR, CEILING MOUNT.
  - CO DETECTOR, CEILING MOUNT.
  - DEVICE WITH DEVICE GUARD, SYMBOL MAY VARY
  - FIRE ALARM TAMPER SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.
  - FIRE ALARM FLOW SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.
  - FIRE ALARM PRESSURE SWITCH, PROVIDE UNDER DIVISION 23, MONITOR UNDER DIVISION 28.
  - FIRE ALARM MONITOR MODULE, NOT ALL MONITOR MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED MONITORING FUNCTIONS.
  - FIRE ALARM CONTROL MODULE, NOT ALL CONTROL MODULES ARE INDICATED ON DRAWINGS. PROVIDE QUANTITY AND IN LOCATIONS REQUIRED TO ACCOMPLISH SPECIFIED CONTROL FUNCTIONS.
  - FIRE ALARM SPRINKLER BELL, MOUNT AT +10'-0" AFF.

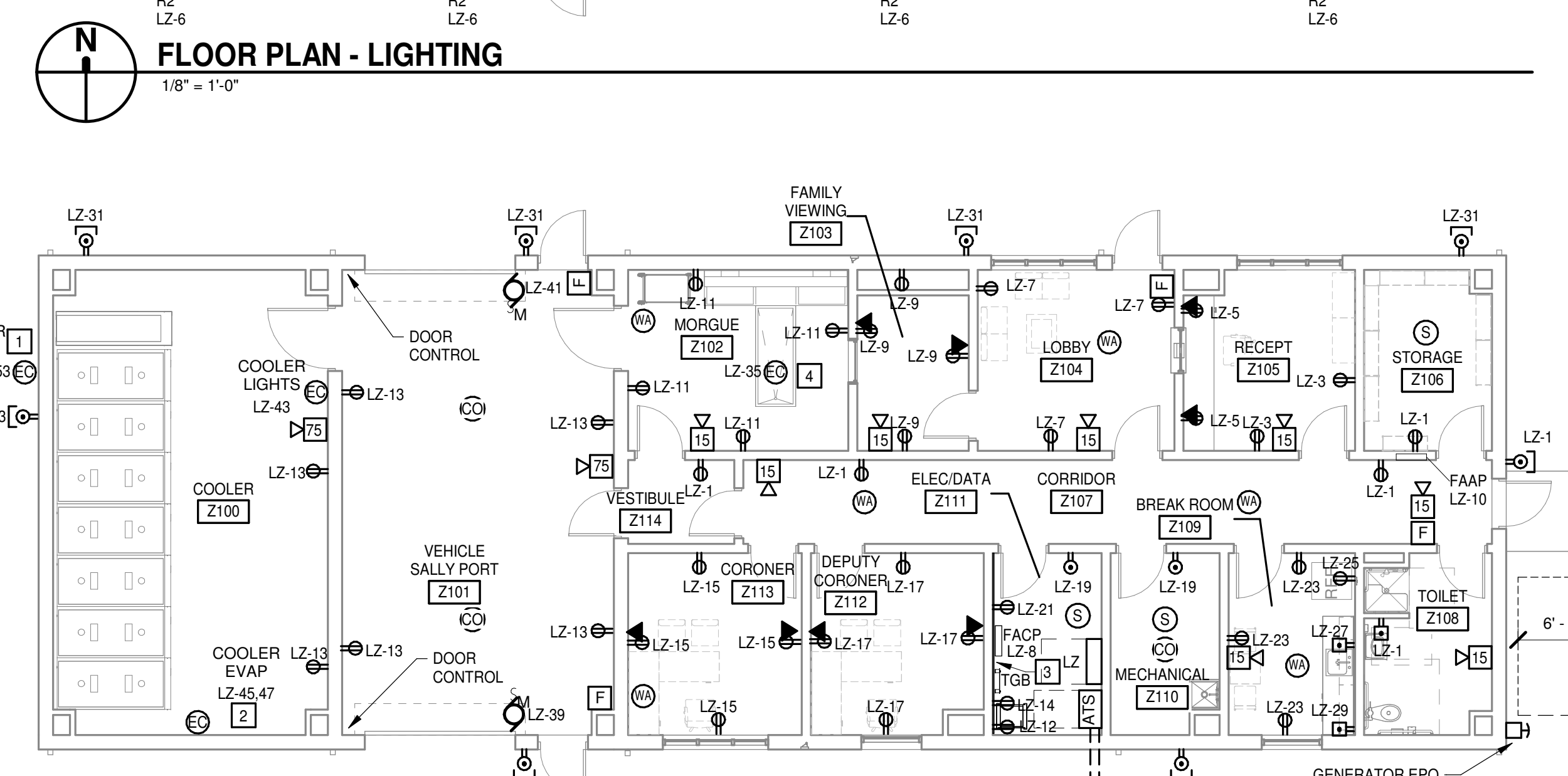
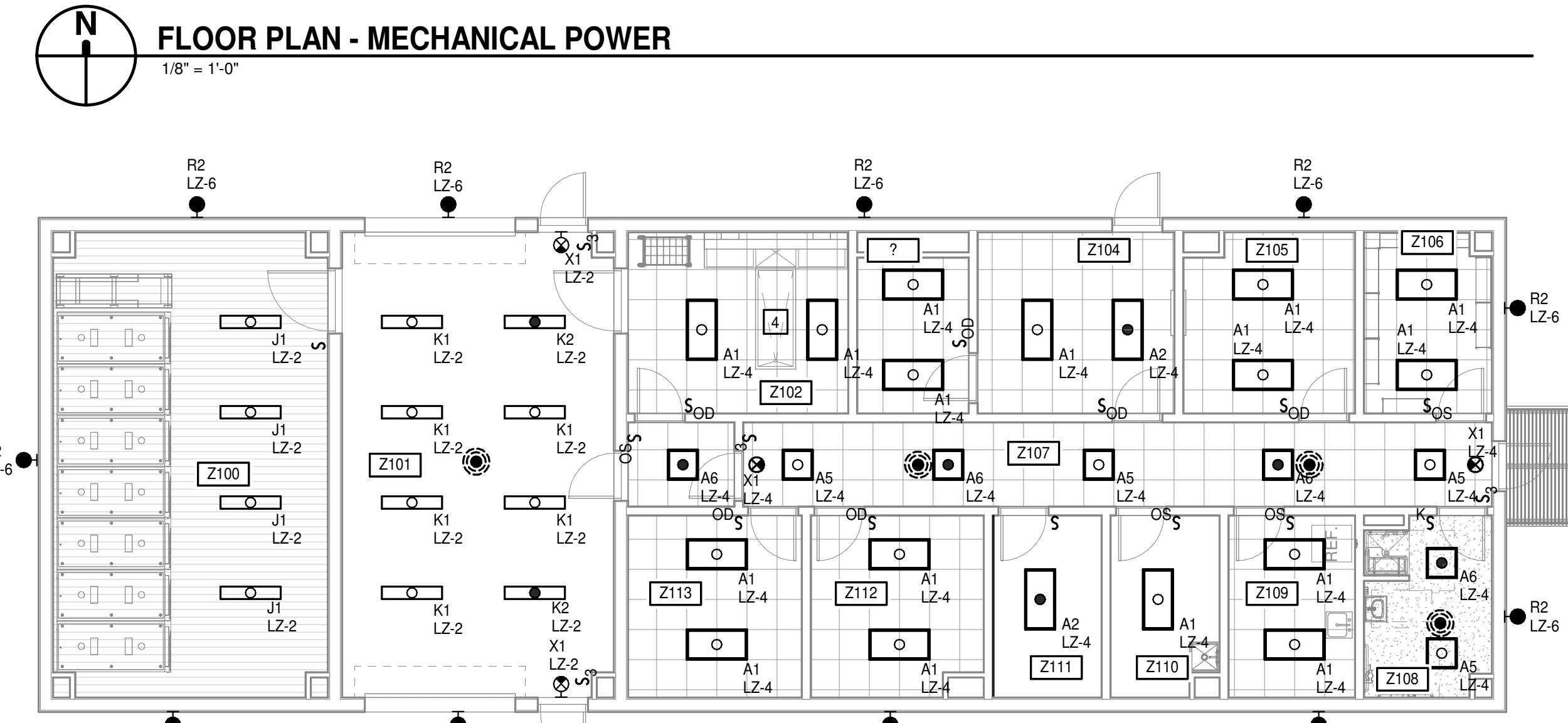
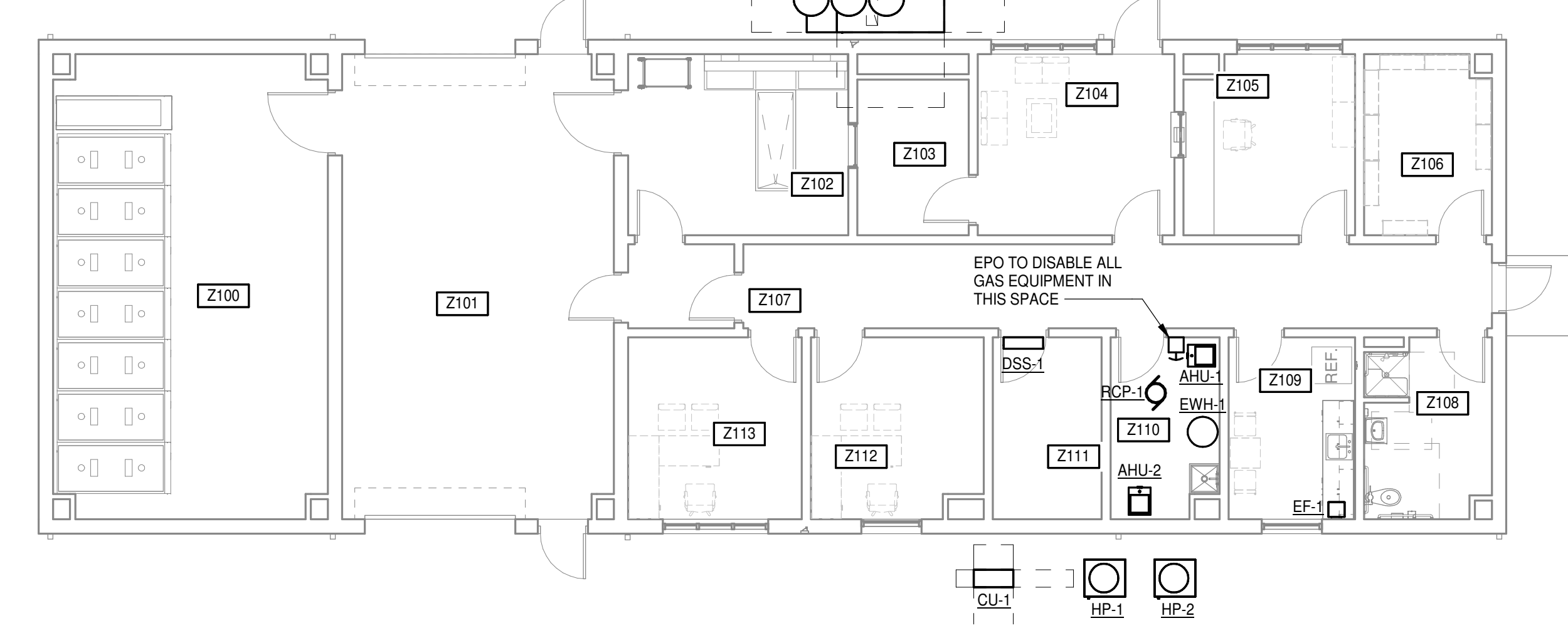
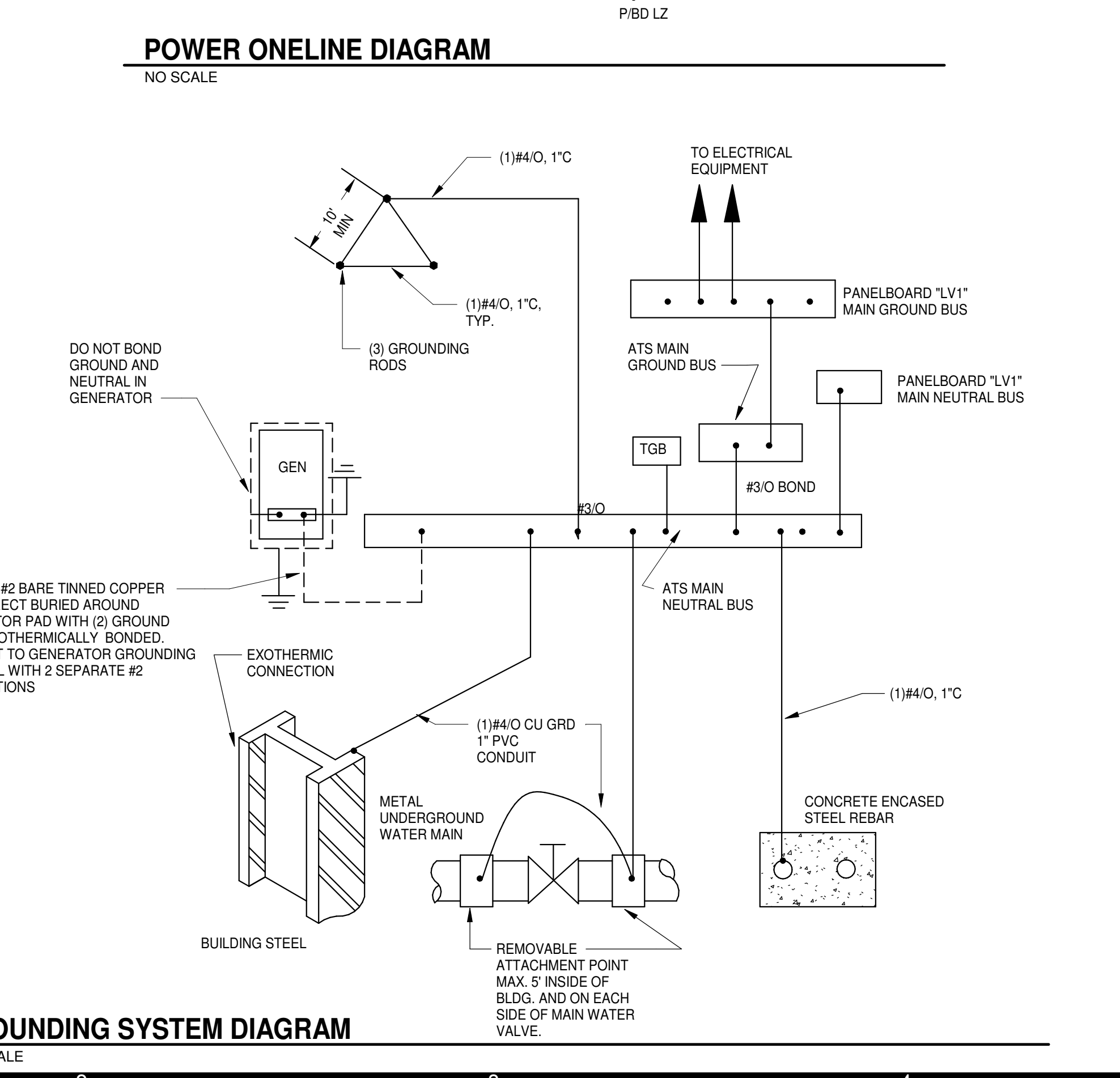
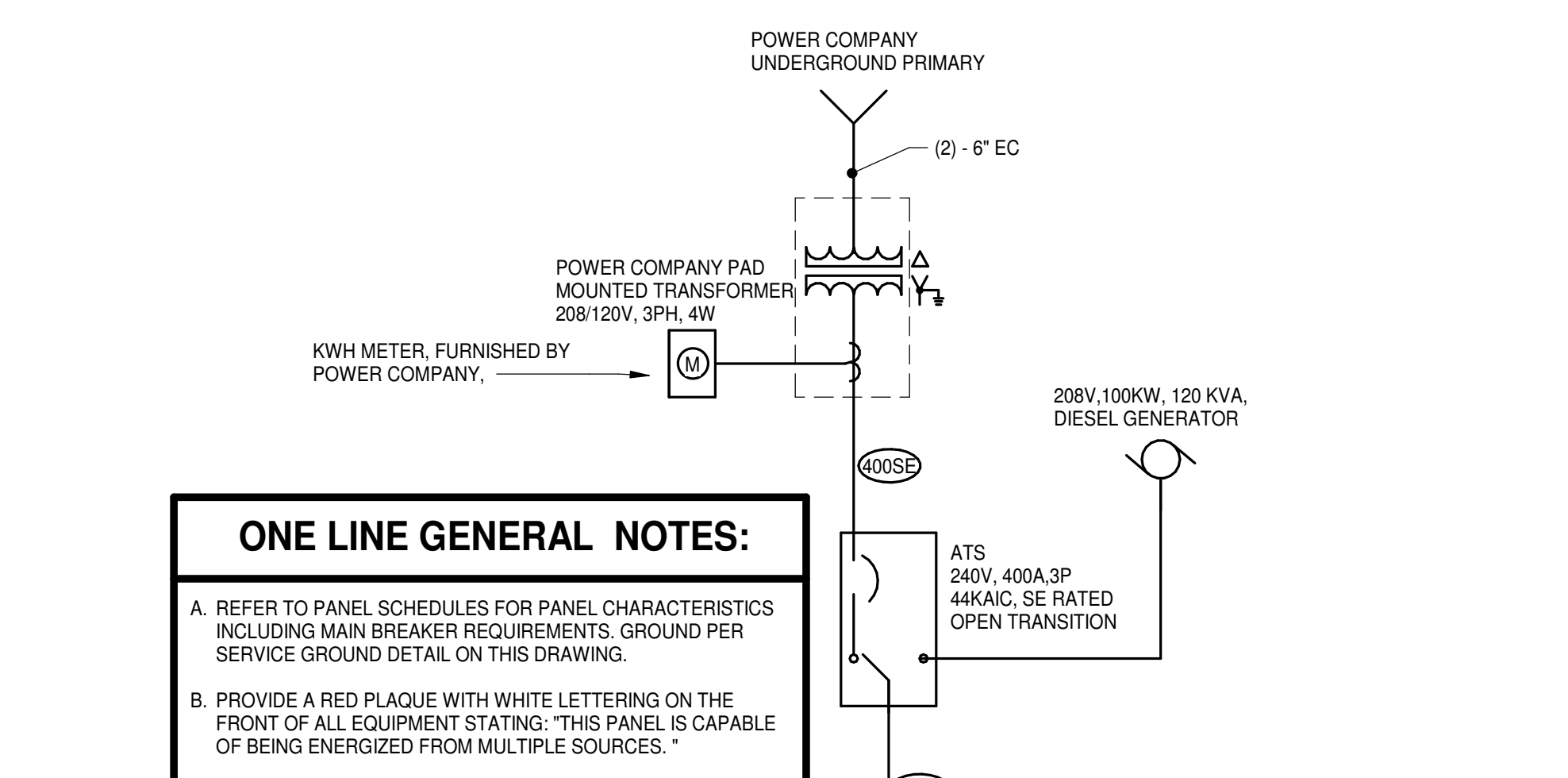


LIGHT FIXTURE SCHEDULE											
TYPE	DESCRIPTION	MANUFACTURER	FIXTURE	SERIES NO.	VOLTAGE	WATTAGE	LUMENS	LAMP	MOUNTING	OPTIONS	COMMENTS
A1	2x4 LED TROFFER	LITHONIA	2R1L4 48L GZ10 LP850	120 V	48	4800 lm	LED	5000 K	RECESSED	1400LM BATTERY	PROVIDE FLANGE KIT WHEN MOUNTED IN DRYWALL CEILING
A2	2x4 LED TROFFER	LITHONIA	2R1L4 48L GZ10 LP850	120 V	48	4800 lm	LED	5000 K	RECESSED		PROVIDE FLANGE KIT WHEN MOUNTED IN DRYWALL CEILING
A5	2x2 LED TROFFER	LITHONIA	2R1L2 48L GZ10 LP850	120 V	42	4200 lm	LED	5000 K	RECESSED		PROVIDE FLANGE KIT WHEN MOUNTED IN DRYWALL CEILING
A6	2x2 LED TROFFER	LITHONIA	2R1L2 48L GZ10 LP850	120 V	42	4200 lm	LED	5000 K	RECESSED		PROVIDE FLANGE KIT WHEN MOUNTED IN DRYWALL CEILING
J1	VANDAL RESIST INDUSTRIAL	LITHONIA	VAP 6000LM PCL MD GZ10 5K 90CRI	120 V	49	6000 lm	LED	5000 K	SURFACE OR CHAIN 10'-0" AFF UNO		
K1	STRIP LIGHT	LITHONIA	CDS L48 DM 50K 80CRI	120 V	48	4800 lm	LED	5000 K	SURFACE OR CHAIN 10'-0" AFF UNO		
K2	STRIP LIGHT	LITHONIA	CDS L48 DM 50K 80CRI	120 V	48	4800 lm	LED	5000 K	SURFACE OR CHAIN 10'-0" AFF UNO	1400LM BATTERY	
R1	EXTERIOR WALL MOUNT	LITHONIA	TWPX1LED	120 V	40	3100 lm	LED	5000 K	WALL 10'-6" AFF UNO	BATTERY	
X1	SINGLE FACE EXIT SIGN	LITHONIA	LES 1 R	120 V	5		LED		UNIVERSAL	BATTERY	CHEVRONS AS INDICATED

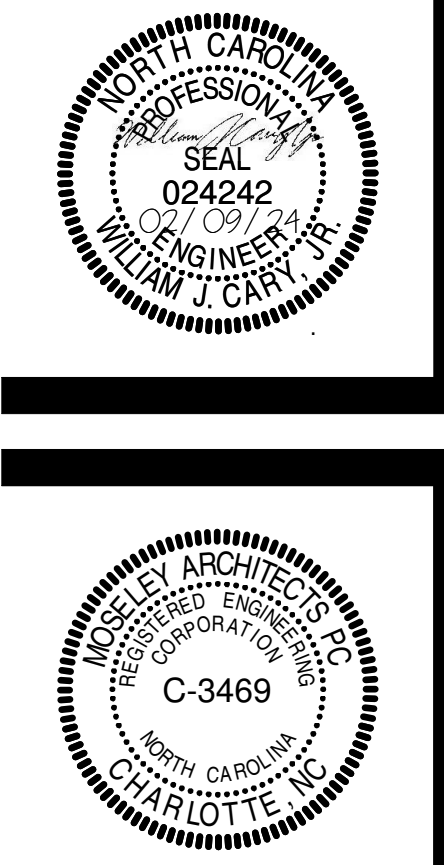
DIV 23 ELECTRICAL CONNECTION SCHEDULE										
TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS		
AHU-1	208 V	2	3.3 kVA	LZ	30.32	3#10.#10G.3/4"C	PROVIDED WITH UNIT			
AHU-2	208 V	2	3.3 kVA	LZ	34.36	3#10.#10G.3/4"C	PROVIDED WITH UNIT			
CU-1	208 V	2	0.0 kVA	LZ	38.40	2#12.#12G.3/4"C	600V.30A.3P.NEMA 3R, DISC, FPND			
DOAS-1	208 V	3	6.9 kVA	LZ	18.20.22	3#6.#10G.1"C	PROVIDED WITH UNIT			
DSS-1	208 V	2	0.2 kVA			PER MANUFACTURER		CONNECT TO OUTDOOR UNIT		
EF-1	120 V	1	0.5 kVA	LZ	4	2#12.#12G.3/4"C	PROVIDED WITH UNIT	CONTROL WITH ROOM LIGHTING CONTROL		
EPH-1	208 V	3	12.0 kVA	LZ	50.52.54	3#6.#10G.1"C	240V.60A.3P. DISC, FPND			
HP-1	208 V	2	2.0 kVA	LZ	42.44	2#12.#12G.3/4"C	240V.30A.3P.NEMA 3R, DISC, FPND			
HP-2	208 V	2	2.0 kVA	LZ	46.48	2#12.#12G.3/4"C	240V.30A.3P.NEMA 3R, DISC, FPND			
RCP-1	120 V	1	0.5 kVA	LZ	16	2#12.#12G.3/4"C	MOTOR RATED SWITCH			

- ### KEYNOTES
- APPLIES TO THIS DRAWING REPRESENTED BY [ ]
- PROVIDE 3#10.#10G.3/4"C AND 240V. 3P. 30A NEMA 3R. DISCONNECT. FUSED PER MANUFACTURER'S RECOMMENDATION FOR WALK IN COOLER CONDENSER UNIT.
  - PROVIDE 2#10.#10G.3/4"C AND 120V. 1P. 30A DISCONNECT. FUSED PER MANUFACTURER'S RECOMMENDATION FOR WALK IN COOLER EVAPORATOR UNIT.
  - PROVIDE 4"x8"x3/4" FIRE RESISTANT PLYWOOD MOUNTED WITH LONG DIMENSION MOUNTED VERTICALLY ON WALLS AS INDICATED.
  - PROVIDE A SURGICAL LIGHTING SYSTEM PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS (STERIS HARMONY AIR G-SERIES (GEN 2) OR EQUAL).

PANELBOARD SCHEDULE LZ										
CKT	BRKR	POLE	LOAD	A	B	C	LOAD	POLE	BRKR	CKT
1	20 A	1	REC Z107, Z114, Z108	1.6	0.6		LIGHTING - WEST	1	20 A	2
3	20 A	1	REC Z105		0.4	1.7	LIGHTING - EAST	1	20 A	4
5	20 A	1	REC Z106				EXTERIOR LIGHTING	1	20 A	6
7	20 A	1	REC Z104	0.5	0.3		FACP (L) (RED HANDLE)	1	20 A	8
9	20 A	1	REC Z103		0.7	0.3	FAAP (L) (RED HANDLE)	1	20 A	10
11	20 A	1	REC Z102			0.7	REC DATA RACK	1	20 A	12
13	20 A	1	REC Z101	1.1	0.2		REC DATA RACK	1	20 A	14
15	20 A	1	REC Z113		0.7	0.5	RCP-1 (ML)	1	20 A	16
17	20 A	1	REC Z112			0.7		1	20 A	18
19	20 A	1	REC Z111	0.4	2.3		DOAS-1 (ML)	3	45 A	20
21	20 A	1	REC Z111		0.2	2.3				22
23	20 A	1	REC Z109			0.5	GENERATOR BLOCK HEATER (ML)	2	40 A	24
25	20 A	1	REC Z109	0.2	3.0					26
27	20 A	1	COUNTER Z109		0.7	--	SPACE ONLY	1	--	28
29	20 A	1	COUNTER Z109		0.7	1.7	AHU-1 (ML)	2	25 A	30
31	20 A	1	REC EXTERIOR	0.7	1.7					32
33	20 A	1	REC EXTERIOR		0.5	1.7	AHU-2 (ML)	2	25 A	34
35	20 A	1	MORGUE LIGHT Z102			6.0	1.7			36
37	20 A	1	GENERATOR BATTERY...	1.0	0.0					38
39	20 A	1	MOTOR DOOR (ML)			0.5	0.0			40
41	20 A	1	MOTOR DOOR (ML)			0.5	1.0			42
43	20 A	1	COOLER LIGHTS (ML)	0.5	1.0					44
45	20 A	2	COOLER EVAP (ML)		1.5	1.0				46
47						1.5	1.0			48
49										50
51	20 A	3	COOLER COND (ML)	2.0	4.0		2.0	4.0		52
53										54
55										56
57										58
59										60



**MOSELEY ARCHITECTS**  
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**GEORGETOWN COUNTY CORONER'S OFFICE**  
611315  
GEORGETOWN COUNTY  
GEORGETOWN, SOUTH CAROLINA

PROJECT NO:	611315
DATE:	FEBRUARY 09, 2024
REVISIONS	
DATE	DESCRIPTION

ELECTRICAL FLOOR PLANS

E2.1.1

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