

PROGRESS SET

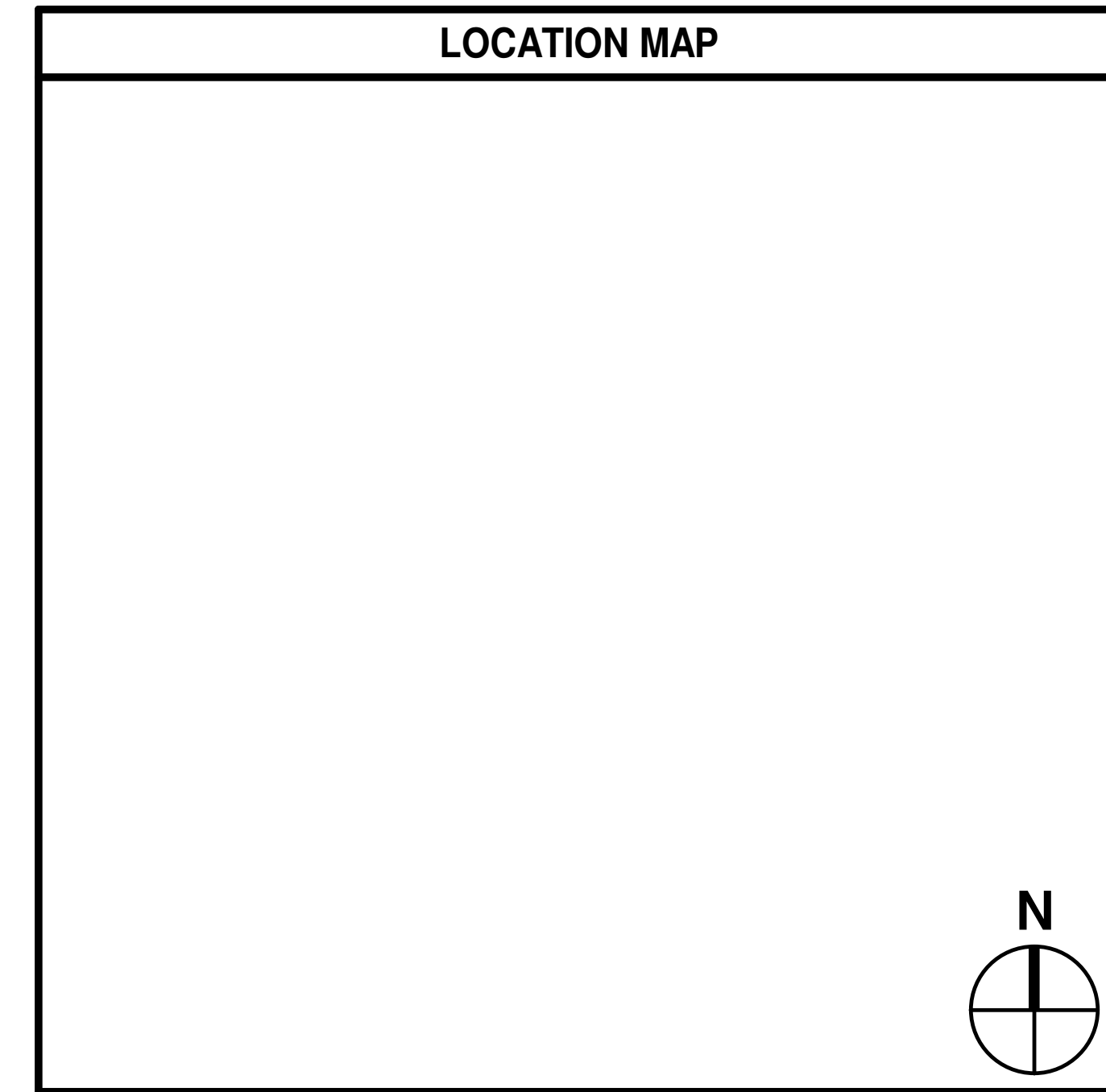
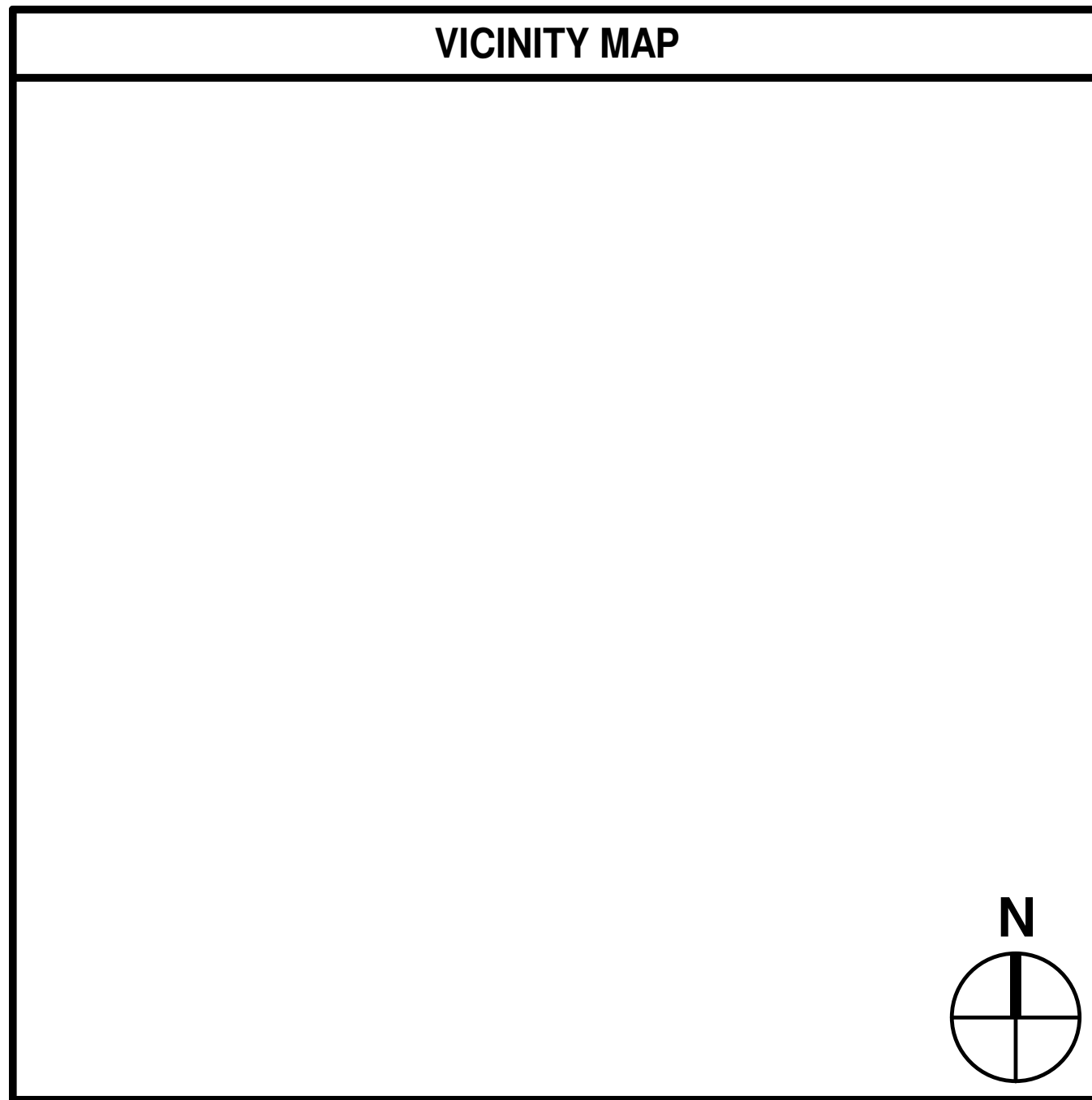
GEORGETOWN COUNTY CORONER'S OFFICE

GEORGETOWN COUNTY VOLUME 3

611315

MOSELEYARCHITECTS

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PROGRESS
PRINT NOT FOR
CONSTRUCTION

GEORGETOWN COUNTY CORONER'S OFFICE

611315
GEORGETOWN COUNTY
GEORGETOWN, SOUTH CAROLINA

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PROJECT NO: 611315
DATE: FEBRUARY 26, 2024

REVISIONS

DATE DESCRIPTION

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

SPECIAL INSPECTIONS

Table with 2 columns: Code Section and Description. Includes sections 1705.4.1, 1705.13.5, 1705.13.5.1, 1705.13.7, [BF] 1705.15, 1705.16, and [BF] 1705.18.

SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY

Table with 2 columns: Code Section and Description. Includes sections 406.5.3, 408.3.1, 408.3.6, 408.3.7, 408.6, 408.6.1, 408.7, 408.8.1, 408.8.3, 408.8.4, 408.6.2, 408.9, 414.2, and 414.2.4.

FIRE PROTECTIONS SYSTEMS

Table with 2 columns: Code Section and Description. Includes sections 903.1, [F]906.3(1), 906.2, 907.2, 907.2.6.3, 907.2.6.3.1, 907.2.6.3.2, 907.2.6.3.3, 909.0, and 909.16.

FIRE RESISTANCE RATED CONSTRUCTION

Table with 2 columns: Code Section and Description. Includes sections 703.2.2, Table 705.8, 707.5.1, 707.6.8, 714.5, 715.1, Table 716.1(2), 716.1.2.1, Table 716.1(3), 717.4, 717.6, and 717.6.3.

INTERIOR FINISHES

Table with 2 columns: Code Section and Description. Includes sections 802.7, 803.1.2, Table 803.13, 803.15.1, 803.15.2, 805.1, [F] 806.2, and [F] 806.7.

MEANS OF EGRESS

Table with 2 columns: Code Section and Description. Includes sections 1003.5, 1004.1, 1004.5, 1004.9, 1004.7, 1005.2, 1005.3.1, 1010.4, 1015.7, 1013.4, 1015.6, 1006.2.1, 1017.2, Table 1020.2, 1020.3, and 1020.5.

PLUMBING FIXTURES

Table with 2 columns: Code Section and Description. Includes Table 2902.1.

ADMINISTRATION table with columns: APPLICABLE CODES, STANDARDS AND REFERENCES and YEAR. Lists codes like SOUTH CAROLINA BUILDING CODE, FIRE CODE, PLUMBING CODE, etc.

BUILDING DATA

Form for building data including fields for BUILDING PROJECT TYPE, PRIMARY OCCUPANCY CLASSIFICATION, OTHER OCCUPANCIES CLASSIFICATION, SPECIAL USES, CONSTRUCTION TYPE, 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 4 columns: FLOOR, EXISTING (SQ. FT.), NEW (SQ. FT.), and SUBTOTAL. Shows area for first floor B and S-1.

ALLOWABLE AREA

Table with 6 columns: STORY LEVEL, DESCRIPTION AND USE, BUILDING AREA PER STORY, ALLOWABLE AREA FACTOR, AREA FRONTRAGE INCREASE, ALLOWABLE AREA PER STORY, and ALLOWABLE LARGER THAN ACTUAL.

ALLOWABLE HEIGHT

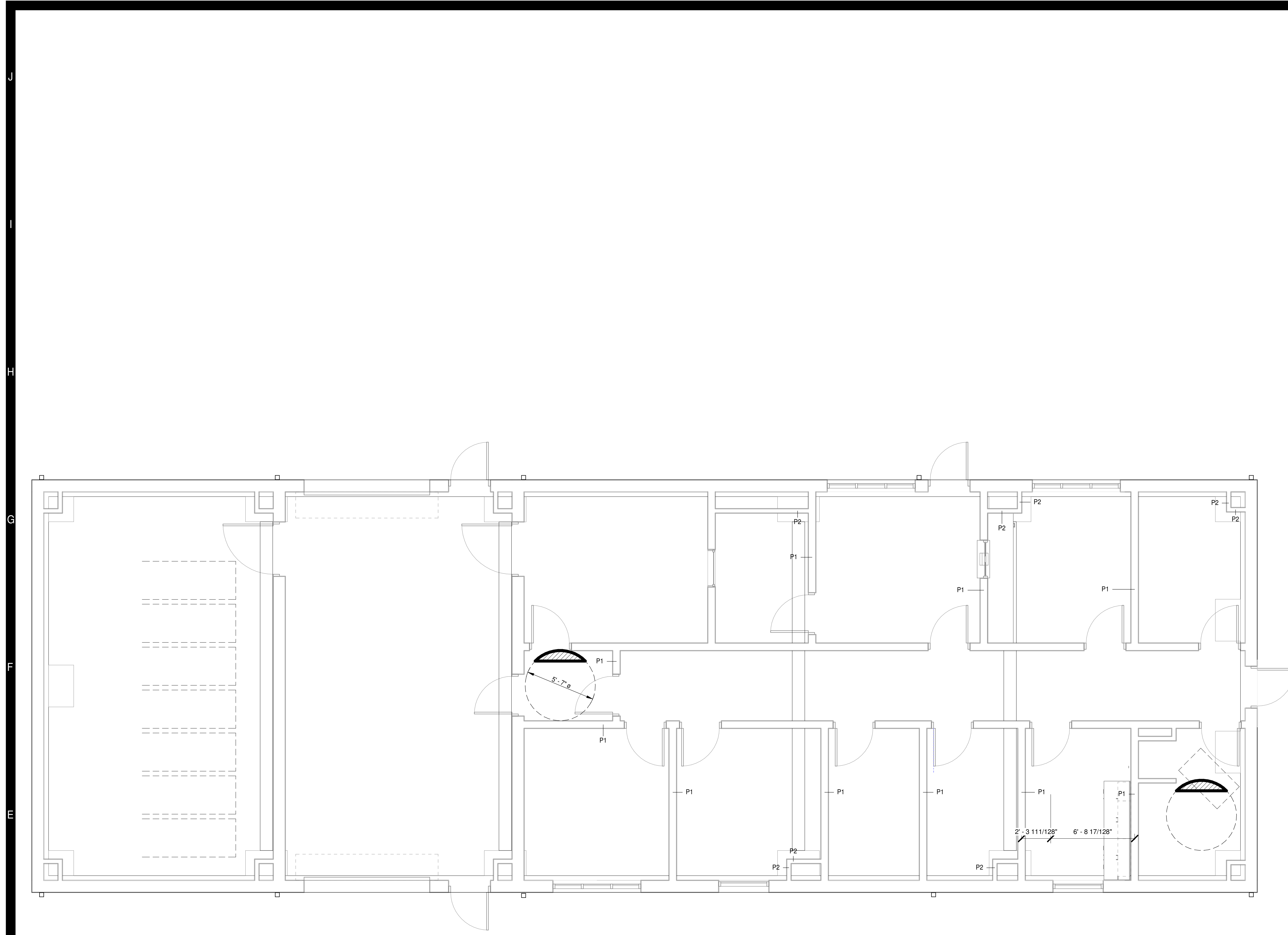
Table with 4 columns: BUILDING HEIGHT IN FEET (ACTUAL), ALLOWABLE, SHOWN ON PLANS, and CODE REFERENCE. Shows height for building B and S-1.

FIRE RESISTANCE RATING OF BUILDING ELEMENTS

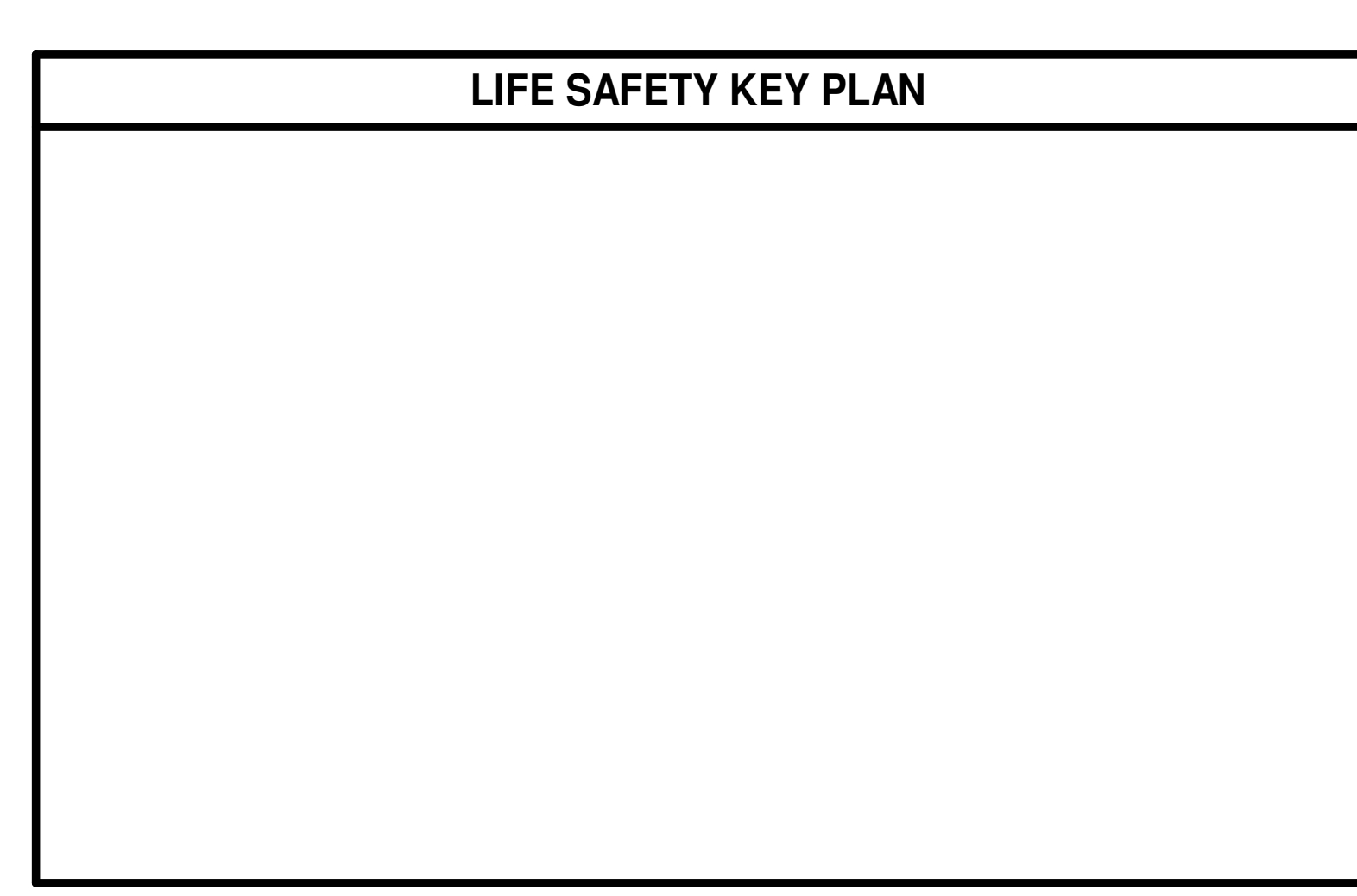
Table with 3 columns: BUILDING ELEMENT, CODE REFERENCE, and REQUIRED RATING. Lists elements like PRIMARY STRUCTURAL FRAME, EXTERIOR BEARING WALLS, INTERIOR BEARING WALLS, etc.

LIFE SAFETY PLAN

Table with 2 columns: LIFE SAFETY PLAN REQUIREMENTS and checkboxes. Lists requirements like FIRE AND/OR SMOKE RATED WALL LOCATIONS, EXTERIOR WALL OPENING WITH RESPECT TO DISTANCE TO ASSUMED PROPERTY LINES, etc.



LIFE SAFETY PLAN
1/4" = 1'-0"



DESIGNATOR MATRIX				SYMBOLS	
4 HR FIRE	▲▲▲▲	□□□□		1205	ROOM NUMBER
3 HR FIRE	▶▶▶▶	◆◆◆◆		798 1280	DIRECTION OF EGRESS EGRESS LOAD CAPACITY NUMBER OF OCCUPANTS
2 HR FIRE	***	◆◆◆◆		798 1280	DIRECTION OF EGRESS NUMBER OF OCCUPANTS EGRESS LOAD CAPACITY
1 HR FIRE		◆◆◆◆		XXXX'X'	MAXIMUM TRAVEL DISTANCE
1/2 HR FIRE		◆◆◆◆		XXXX'X'	COMMON PATH OF TRAVEL
SMOKE	▲▲▲▲	◆◆◆◆		CPOT	FIRE EXTINGUISHER CABINET
SMOKE-TIGHT		◆◆◆◆		●	FIRE EXTINGUISHER BRACKET
INCIDENTAL		◆◆◆◆		[Pattern]	EXTENT OF SPRAYED-ON/UNAPPLIED FIRE PROOFING
				[Pattern]	EXTENT OF SMOKE COMPARTMENT
				[Pattern]	EXTENT OF FLOOR / CEILING AND/OR ROOF / CEILING ASSEMBLY
				3	BUILDING NUMBER

NOTES:

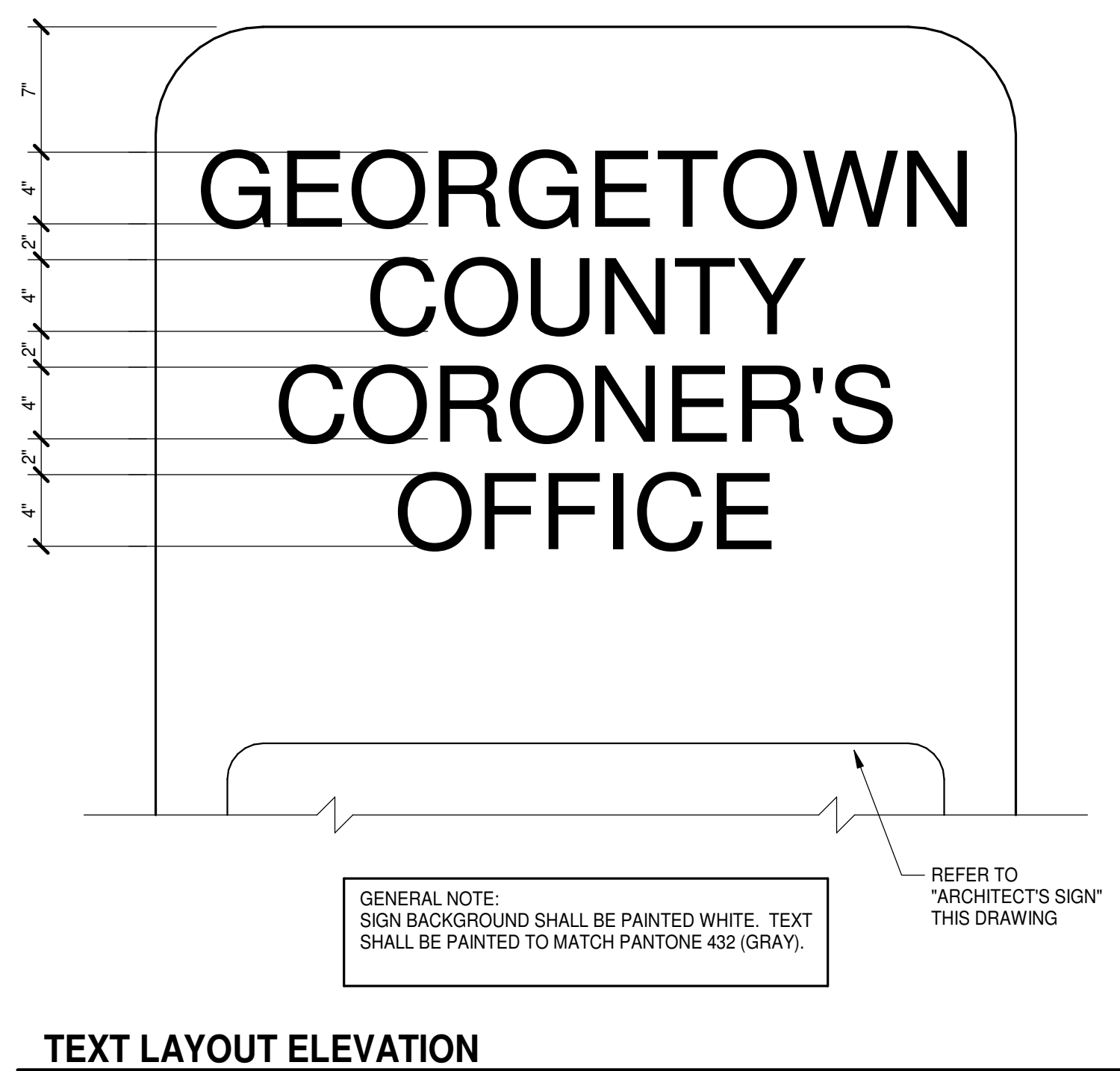
- WALL DESIGNATIONS ON THE LS SERIES OF DRAWINGS ARE FOR GRAPHICAL PURPOSES ONLY AND MAY NOT REPRESENT THE ACTUAL WALL/PARTITION CONSTRUCTION.
- REFER TO THE CONTRACT DOCUMENTS, INCLUDING THE LIFE SAFETY SYMBOLS LEGEND AND A0, A1 AND, A2 SERIES OF DRAWINGS, FOR ACTUAL WALL/PARTITION TYPES AND CONSTRUCTION REQUIREMENTS.
- RATING OF BEARING OR NON-BEARING WALLS ARE PER TABLE 601 AND SECTION 602.1 AND DO NOT REQUIRE PROTECTED OPENINGS.

DOUBLE FIRE WALL

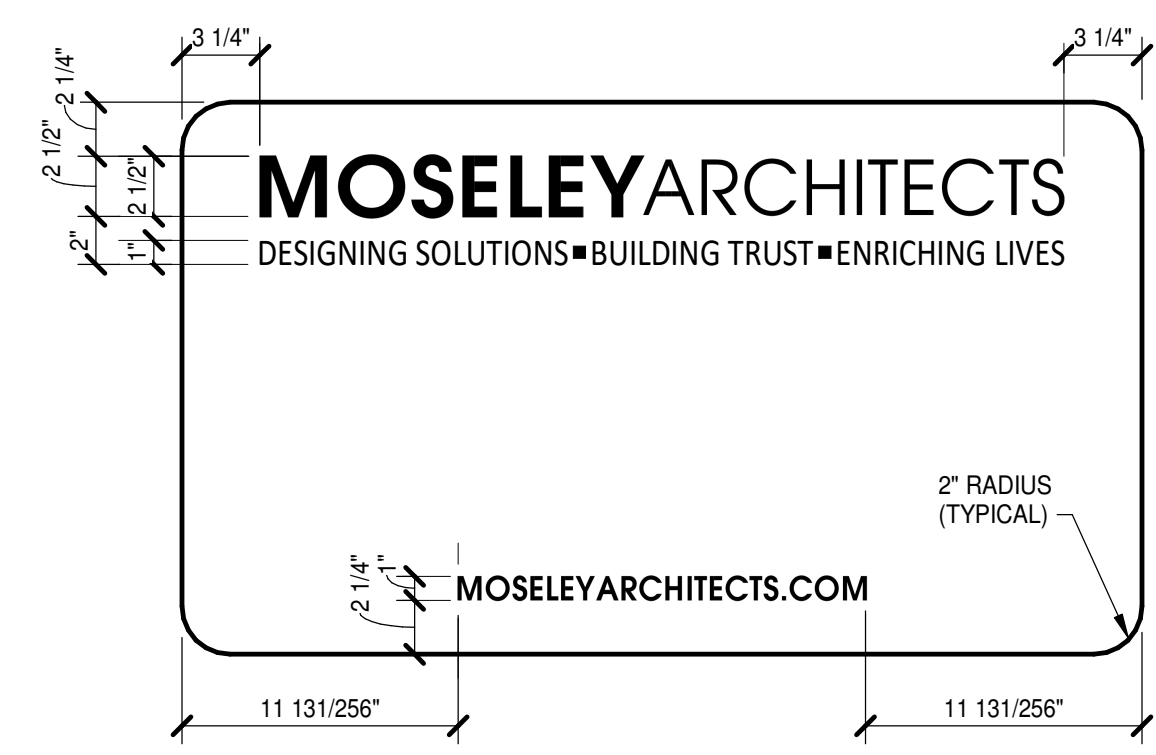
W = RATING IN HOURS
DFW = DOUBLE FIRE WALL

NOTE: RATINGS MAY VARY. REFER TO A0.2 FOR ACTUAL RATINGS OF FIRE WALLS COMPOSING THE DOUBLE FIRE WALLS.

FIRE RATED ASSEMBLIES				
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	-		-	-



TEXT LAYOUT ELEVATION

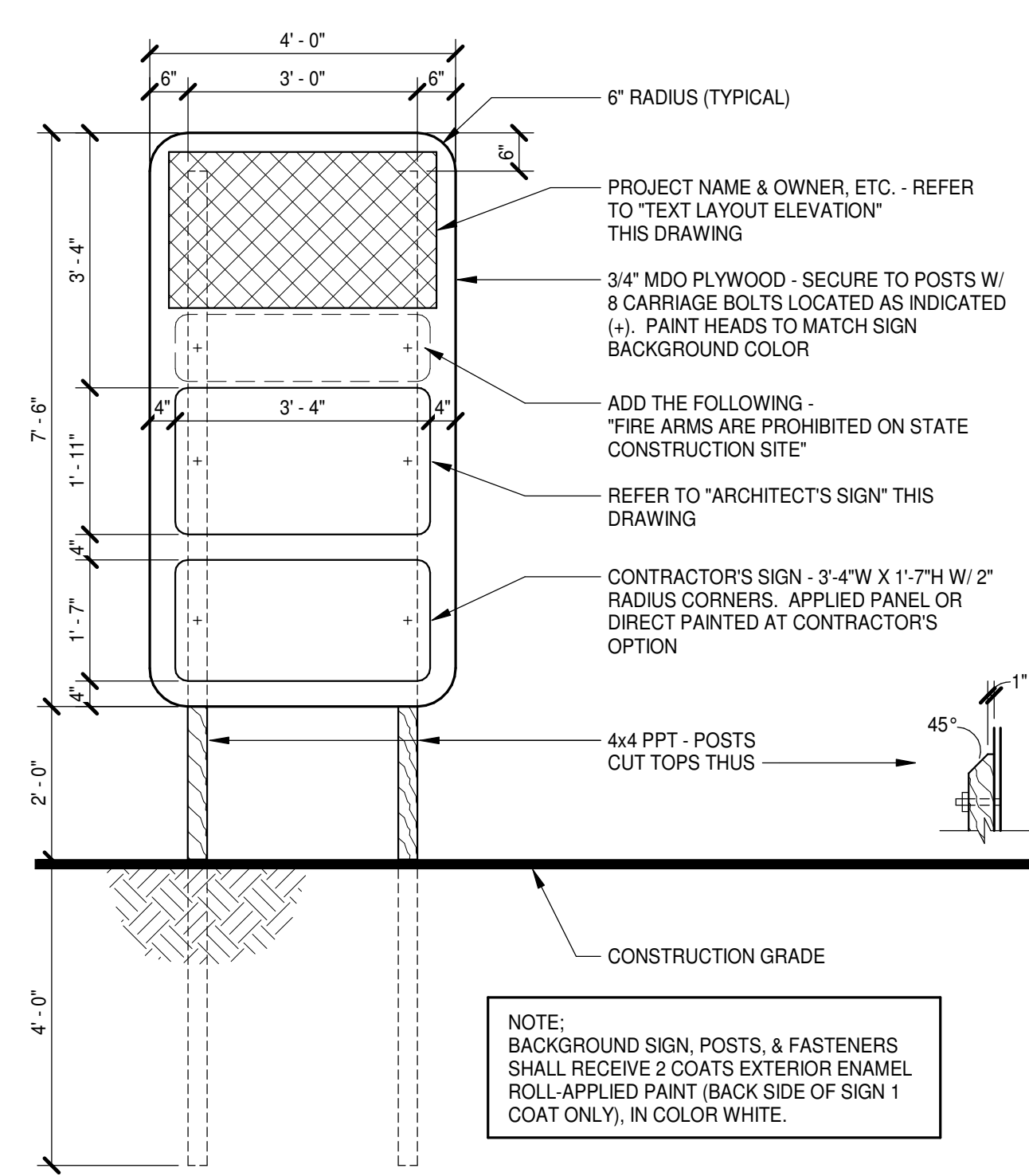


SIZE: 1'-11" VERTICAL x 3'-4" HORIZONTAL

NOTES:
1. "MOSELEY" TEXT IN LOGO AND WEB ADDRESS IS PMS 485. BULLETS ARE PMS 485. ALL OTHER TEXT AND BORDER IS PMS 432. BACKGROUND IS WHITE.
2. PAINT HEADS TO MATCH SIGN BACKGROUND COLOR.

FONT FOR DESIGNING SOLUTIONS, BUILDING TRUST, ENRICHING LIVES, TEXT IS CALIBRI. ALL OTHER TEXT IS AVANTGARDE FONT.

ARCHITECT'S SIGN

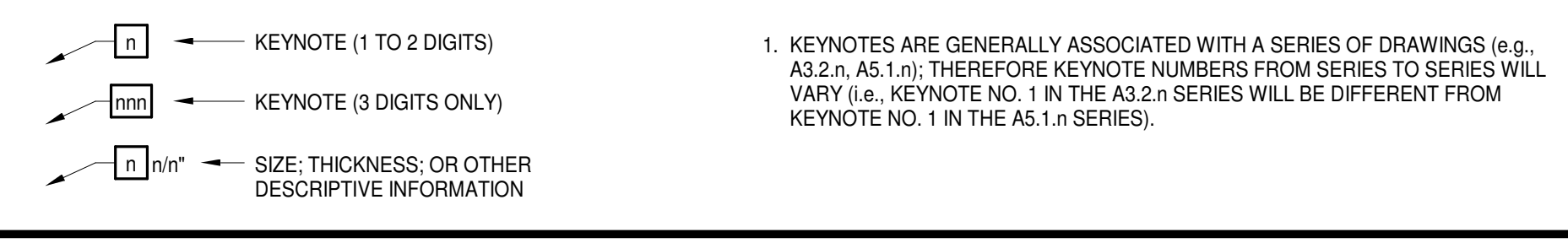


PROJECT SIGN ELEVATION

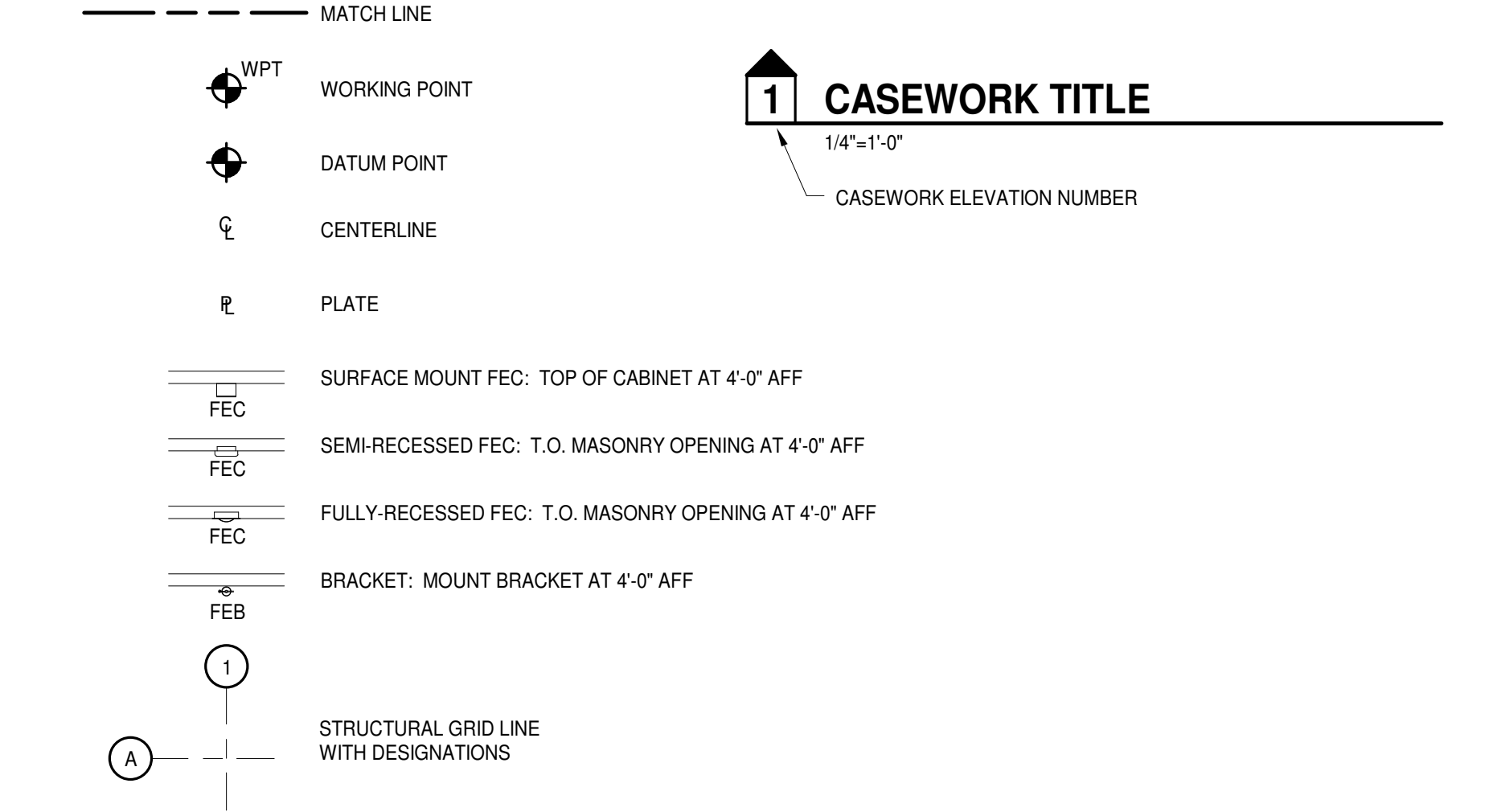
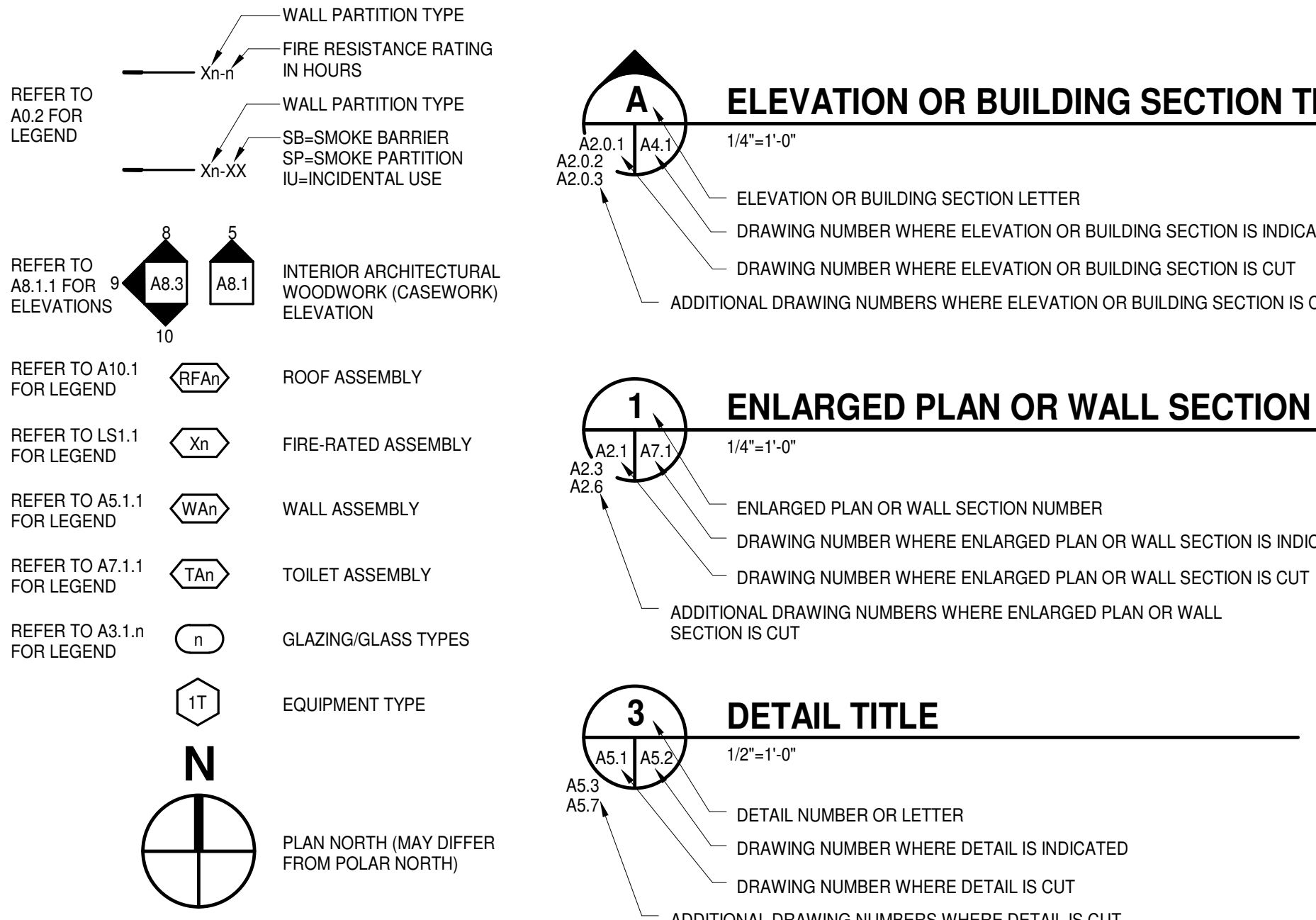
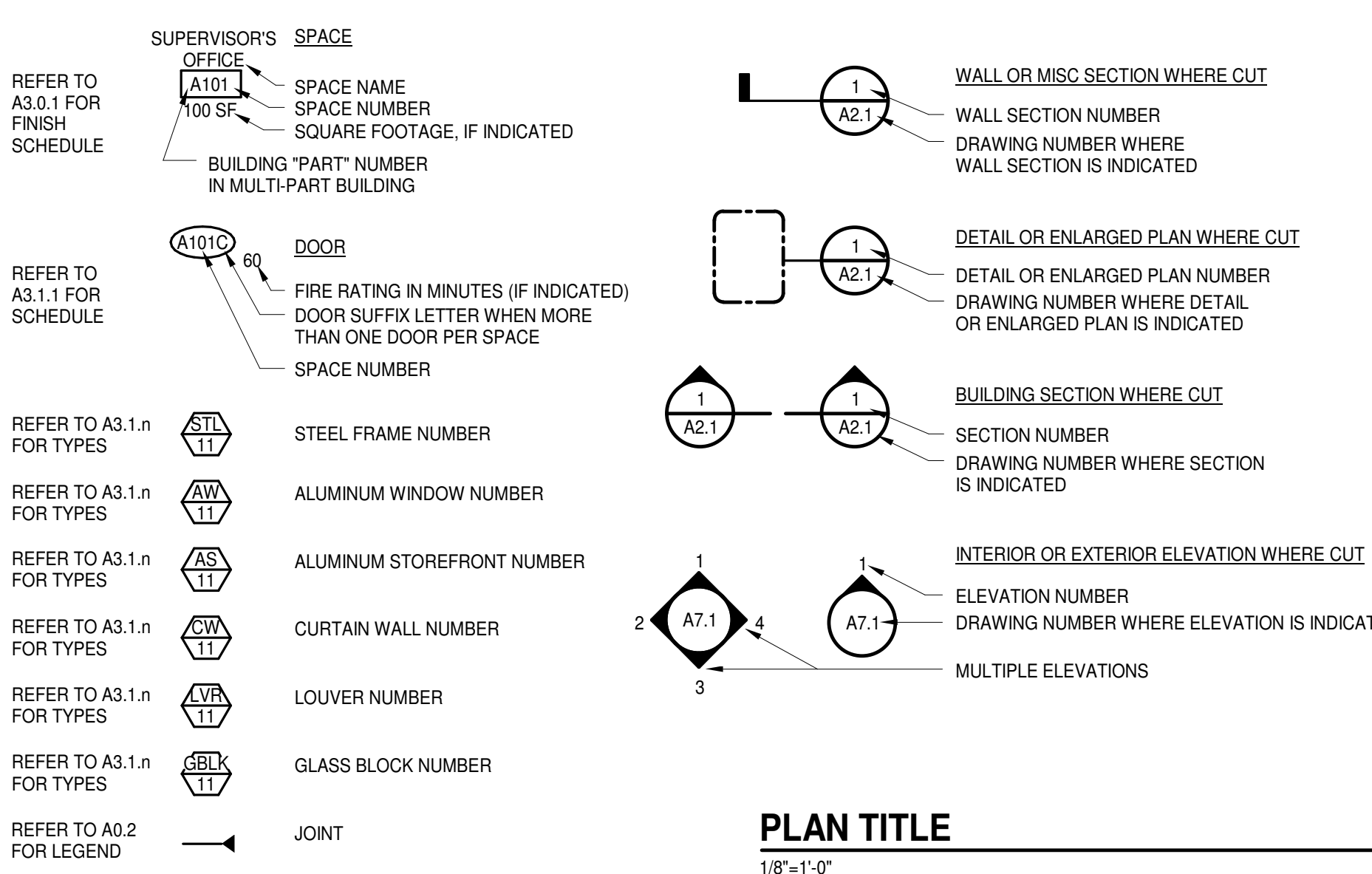
ARCHITECTURAL ABBREVIATIONS

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	HANGER	TEL	TELEPHONE
ACW	ALUMINUM CLAD WINDOW	HDRW	HARDWOOD	TERR-C	TERRAZZO CEMENTITIOUS
ADJ	ADJUSTABLE	HDWR	HARDWARE	TERR-E	TERRAZZO EPOXY
AFF	ABOVE FINISHED FLOOR	HM	HOLLOW METAL	TERR-R	TERRAZZO RUBBERIZED
AHJ	AUTHORITY HAVING JURISDICTION	HORIZ	HORIZONTAL	THRD	THRESHOLD
AHU	AIR HANDLING UNIT	HPC	HIGH PERFORMANCE COATINGS	THK	THICKNESS, THICK
ALT	ALTERNATE	HFPF	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
ARC	ARCHITECTURAL PRECAST CONCRETE	ID	INSIDE DIAMETER	TV	TELEVISION
ARC	ABUSE 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	LENGTHLONG	VFCT	VINYL FREE COMPOSITION TILE
BRG	BEARING	LAB	LABORATORY	VFCV	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	VTR	VENT THROUGH ROOF
C-TILE	CARPET TILE	LH	LEFT HAND	VWC	VINYL WALL COVERING
CAB	CABINET	LIN	LINOLEUM	W	WIDE, WIDTH
CAB	CHARCABOND	LKR	LOCKER	WI	WITH
CC	CLOSED CIRCUIT TELEVISION	LKR	LOCKER	WO	WITHOUT
CEM	CEMENT	LMC	LINEAR METAL CEILING	WC	WATER CLOSET
CFSF-NS	COLD FORMED STEEL FRAMING, NON-STRUCTURAL	LPS	LAMINATE PANEL SYSTEM	WCP	WOOD CEILING PANEL
CFSF-S	COLD FORMED STEEL FRAMING, STRUCTURAL	LT	LIGHT	WD	WOOD
CG	CONCRETE - POLISHED	LVR	LOUVER	WI	WINDOW
CI	CONTINUOUS INSULATION	M	METER	WP	WATERPROOFING
CIPC	CAST IN PLACE CONCRETE	MACH	MACHINE	WPT	WORKING POINT
CJ	CONTROL JOINT	MAS	MASONRY	WSCP	WAINSCOT
CL	CLOSET	MATL	MATERIAL	WSF	WOOD SPORTS FLOORING
CLG	CEILING	MAX	MAXIMUM	WT	WEIGHT
CLR	CLEAR	MB	MARKERBOARD	WWF	WELDED WIRE FABRIC
CM	CENTIMETER	MC	METAL CEILING PANEL	XPS	EXTRUDED POLYSTYRENE
CMDB	CEMENT BOARD	MDO	MEDIUM DENSITY OVERLAY		
CMU	CONCRETE MASONRY UNIT	MECH	MECHANICAL		
CMU-A	CONCRETE MASONRY UNIT - ACOUSTICAL	MEM	MEMBRANE		
CMU-GF	CONCRETE MASONRY UNIT - GROUND FACE	MFR	MANUFACTURER		
CMU-GLZ	CONCRETE MASONRY UNIT - GLAZED	MIF	MULTICOLOR INTERIOR FINISHING		
CMU-SPLF	CONCRETE MASONRY UNIT - SPLIT FACE	MIN	MINIMUM		
COL	CLEANOUT	MIR	MIRROR		
COL	COLUMN	MIS	MISCELLANEOUS		
CONC	CONCRETE	MLDG	MOLDING		
CONC-LH	CONCRETE WITH LIQUID HARDENER/SEALER	MO	MASONRY OPENING		
CONC-PMT	CONCRETE WITH PIGMENT	MPS	MANUAL PROJECTION SCREEN		
CONC-POL	CONCRETE - POLISHED	MR	MAP RAIL		
CONC-SLR	CONCRETE WITH CURE & SEAL	MT	MOUNT		
CONC-ST	CONCRETE WITH STAIN	MTD	MOUNTED		
CONST	CONSTRUCTION	MTL	METAL		
CONT	CONTINUOUS	NA	NOT APPLICABLE		
CONTR	CONTRACTOR	NIC	NOT IN CONTRACT		
CORR	CORRIDOR	NO	NUMBER		
CSMU	CAST STONE MASONRY UNIT	NOM	NOMINAL		
CT	CERAMIC TILE	NRC	NOISE REDUCTION COEFFICIENT		
CTSK	COUNTERSINK, COUNTERSUNK	NTS	NOT TO SCALE		
CU	CUBIC FEET / FOOT	OC	ON CENTER		
CUST	CUSTOMER / CUSTODIAN	OD	OUTSIDE DIAMETER		
CW	ALUMINUM CURTAIN WALL	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED		
CWFD	CEMENTITIOUS WOOD FIBER DECK	OPNG	OPENING		
D	DEPTH/DEEP	OPHD	OPPOSITE HAND		
DBL	DOUBLE	OVHD	OVERHEAD		
DEMO	DEMOLITION	P-TILE	PORCELAIN TILE		
DETE	DETENTION	PC	PRECAST		
DF	DRINKING FOUNTAIN	PERF	PERFORATED, PERFORATION(S)		
DI	DIAMETER	PERIM	PERIMETER		
DIA	DIAGONAL	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	DRAWING	PR	PRESSURE-OR PRESERVATIVE-TREATED		
DTR	DRAWER	PR	PAIR		
EA	EACH	PREFAB	PREFABRICATED		
EF	EXHAUST FAN	PREFIN	PREFINISHED		
EFS	EXTERIOR FINISH SYSTEM	PREP	PREPARE / PREPARATION		
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	PS	PROJECTION SCREEN		
EJ	EXPANSION JOINT	PSB	PENCIL SHARPENER BLOCK		
ELEV	ELEVATION	PSF	POUNDS PER SQUARE FOOT		
ELAS	ELASTOMERIC	PSI	POUNDS PER SQUARE INCH		
ELEC	ELECTRICAL	PT	PAINT		
ELEV	ELEVATOR	PTN	PARTITION		
EMER	EMERGENCY	PTS	PNEUMATIC TUBE SYSTEM		
EMR	EMERGENCY	PVC	POLYVINYL CHLORIDE		
EPX	EXPANDED POLYSTYRENE	PVMT	PAVEMENT		
EQ	EQUAL	PWMC	PERFORATED VINYL WALL COVERING		
EQUIP	EQUIPMENT	OSM	QUARTZ SURFACING MATERIAL		
ETR	EXISTING TO REMAIN	OT	QUARRY TILE		
EWC	ELECTRIC WATER COOLER	QTY	QUANTITY		
EX	EXISTING	R	RISER, RADIUS		
EXH	EXHAUST	R/W	RIGHT OF WAY		
EXP	EXPANSION	RAD	RADIUS		
EXPC	EXPOSED CONSTRUCTION	RAF	RESILIENT ATHLETIC FLOORING		
EXT	EXTERIOR	RB	RESILIENT BASE		
FAAF	FLUID APPLIED ATHLETIC FLOORING	RCP	REFLECTED CEILING PLAN		
FD	FLOOR DRAIN	RD	ROOF DRAIN		
FE	FIRE EXTINGUISHER	REFG	REFRIGERATOR		
FEB	FIRE EXTINGUISHER BRACKET	REINF	REINFORCING, REINFORCE(D)		
FEC	FIRE EXTINGUISHER CABINET	REM	RECESSED ENTRY MAT		
FF	FINISHED FLOOR	REQD	REQUIRED		
FGL	FIBERGLASS	RES	RESINIOUS FLOORING		
FH	FIRE HYDRANT	RFT	RUBBER FLOOR TILE		
FHC	FIRE HOSE CABINET	RH	RIGHT HAND		
FHVC	FIRE HOSE VALVE CABINET	RL	RAIN LEADER		
FN	FINISHED	ROOM	ROOM		
FLR	FLOOR	RO	ROUGH OPENING		
FLRG	FLOORING	RSF	RUBBER SHEET FLOORING		
FND	FOUNDATION	RSR	RESILIENT STAIR RISER		
FO	FACE OF	RST	RESILIENT STAIR TREAD		
FRM	FRAME	RT	RIGHT		
FRP	FIBERGLASS REINFORCED PLASTIC	RTU	ROOFTOP UNIT		
FRT	FIRE RETARDANT TREATED	SAB	SOUND ATTENUATION BLANKET		
FT	FOOT, FEET	SC-PLK	SECURITY CEILING PLANK		
FTG	FOOTING	SCH	SCHEDULE		
FURN	FURNITURE	SF	SQUARE FEET / FOOT		
FVC	FIRE VALVE CABINET	SFFM	SPRAYED FIRE RESISTANT MATERIAL		
FWC	FABRIC WALL COVERING	SHM	SECURITY HOLLOW METAL		
G	GAUGE	SHTG	SHEATHING		
GAL	GALLON	SM	SIMILAR		
GALV	GALVANIZED	SPEC	SPECIFICATION		
GB	GYPSSUM BOARD	SPF	SPRAYED POLYURETHANE FOAM		
GB-AR	GYPSSUM BOARD - ABUSE RESISTANT	SPR	SPRINKLER		
GB-S	GYPSSUM BOARD - SECURITY	SQ	SQUARE		
GB-IR	GYPSSUM BOARD - IMPACT RESISTANT	SQ FT	SQUARE FEET / FOOT		
GB-S	GYPSSUM BOARD - SECURITY	SRD	SECONDARY ROOF DRAIN		
GB-RC	GLASS FIBER REINFORCED CONCRETE	SS	STAINLESS STEEL		
GFRG	GLASS FIBER REINFORCED GYPSSUM	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	GYPSSUM	SWM	SECURITY WOVEN MESH / WOVEN ROD		
		SYM	SYMMETRICAL		

KEYNOTES



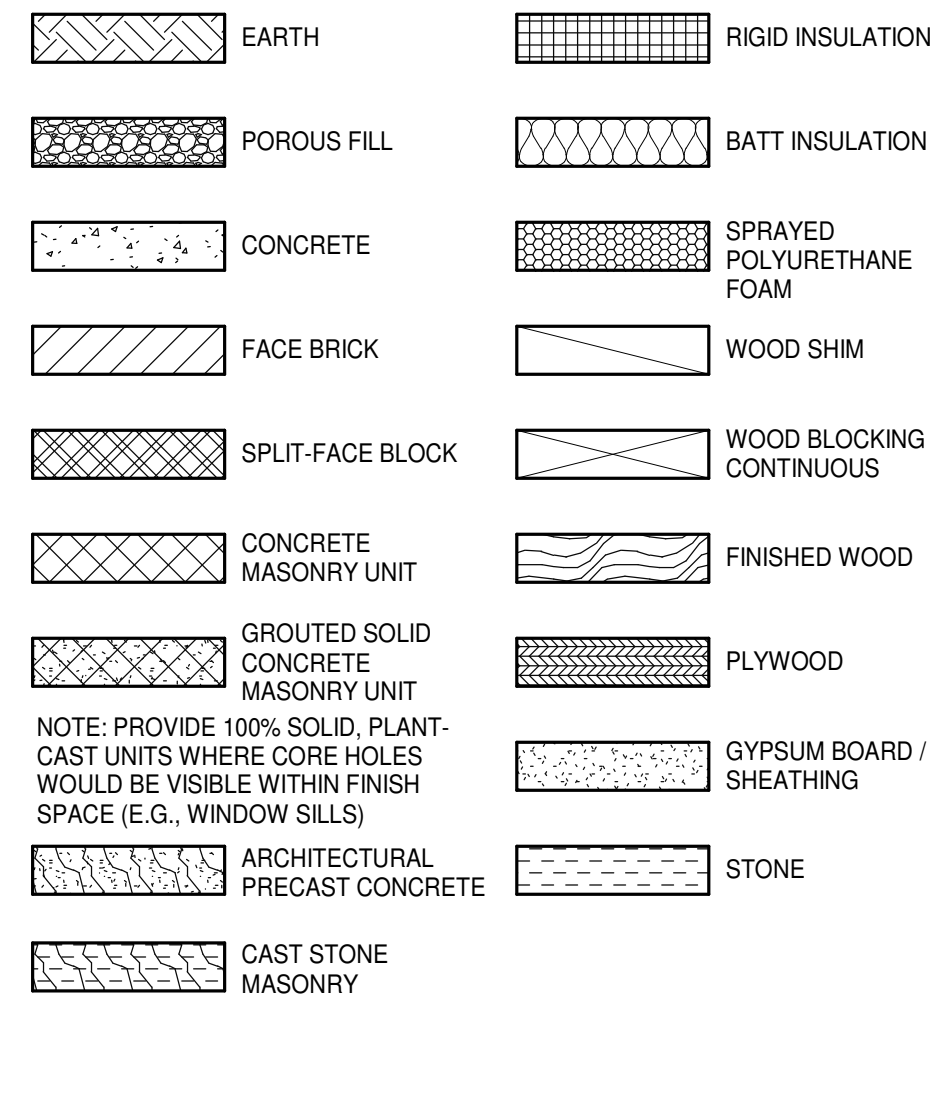
ARCHITECTURAL GRAPHIC SYMBOL LEGEND



ARCHITECTURAL 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.
- 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.
- 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).
- 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.
- VERIFY ALL DIMENSIONS, INCLUDING DIMENSIONS ON STRUCTURAL DRAWINGS AND OTHER ARCHITECTURAL DRAWINGS. IMMEDIATELY NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- 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" THICK CONCRETE PADS W/ 3/4" CHAMFERED EDGES (ALL SIDES). REINFORCE WITH MESH EQUIVALENT TO FLOOR SLAB REINFORCING REQUIREMENTS.

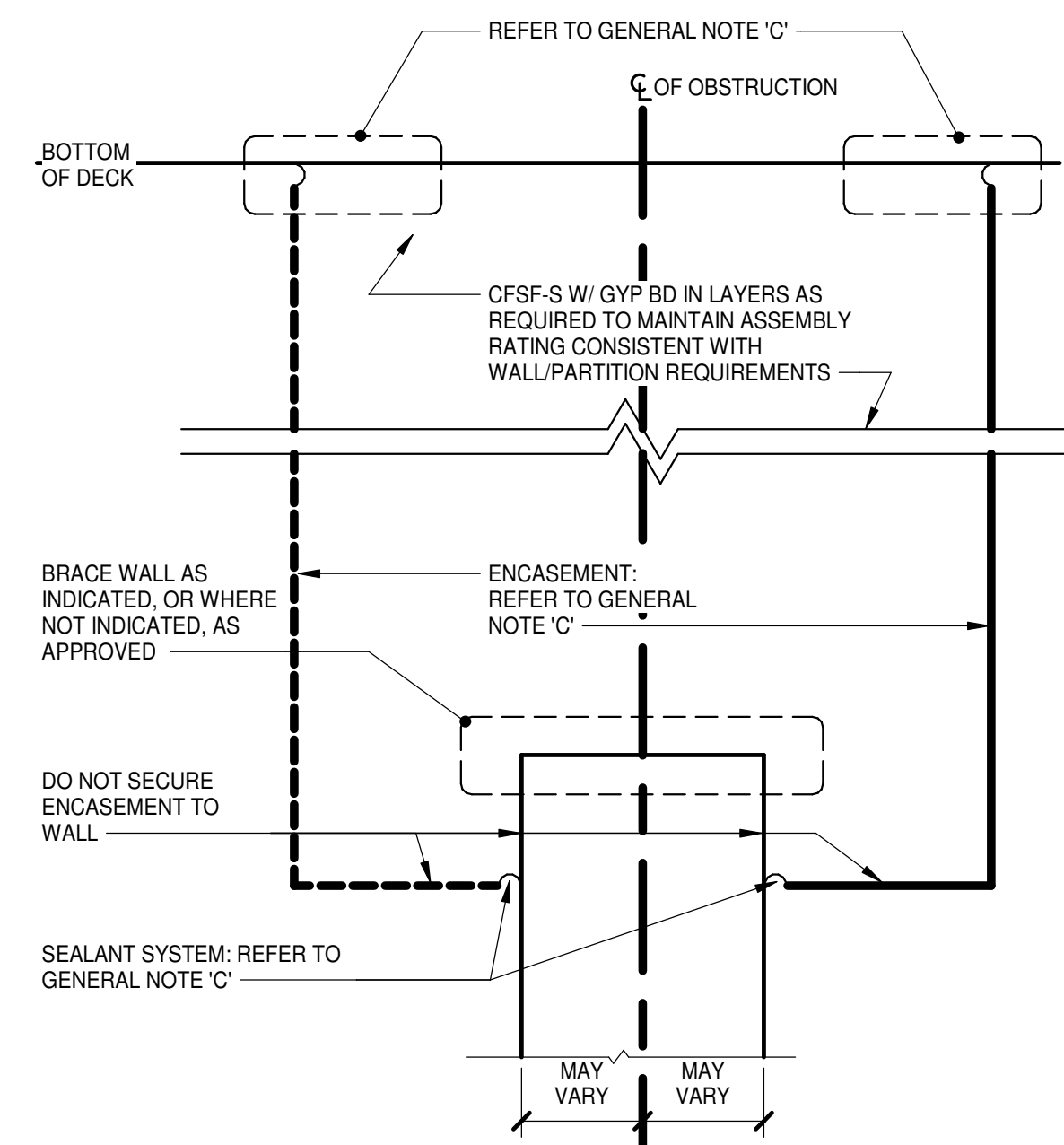
ARCHITECTURAL MATERIALS LEGEND



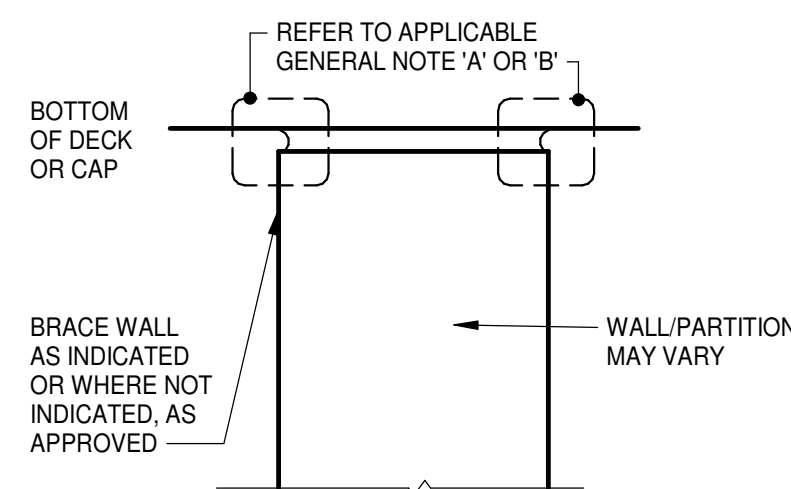
TERMINATION GENERAL NOTES

- 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)

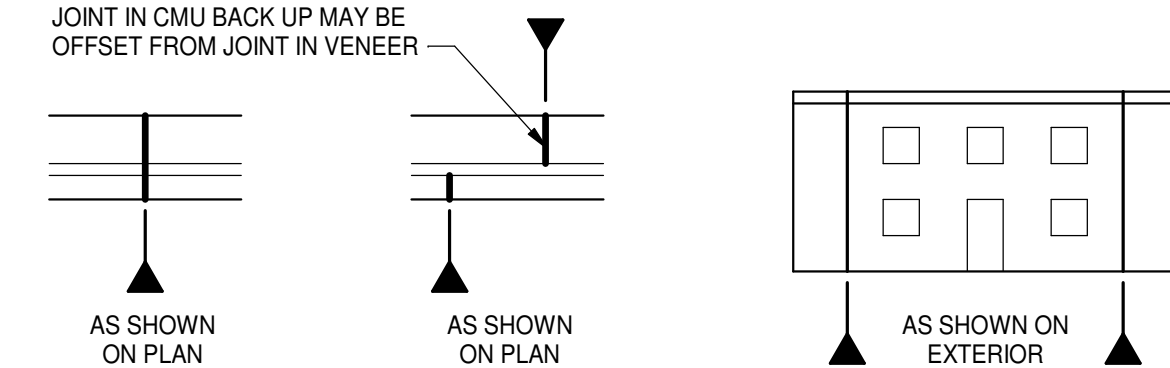


HEAD-OF-WALL TERMINATION @ NON-OBSTRUCTION

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.

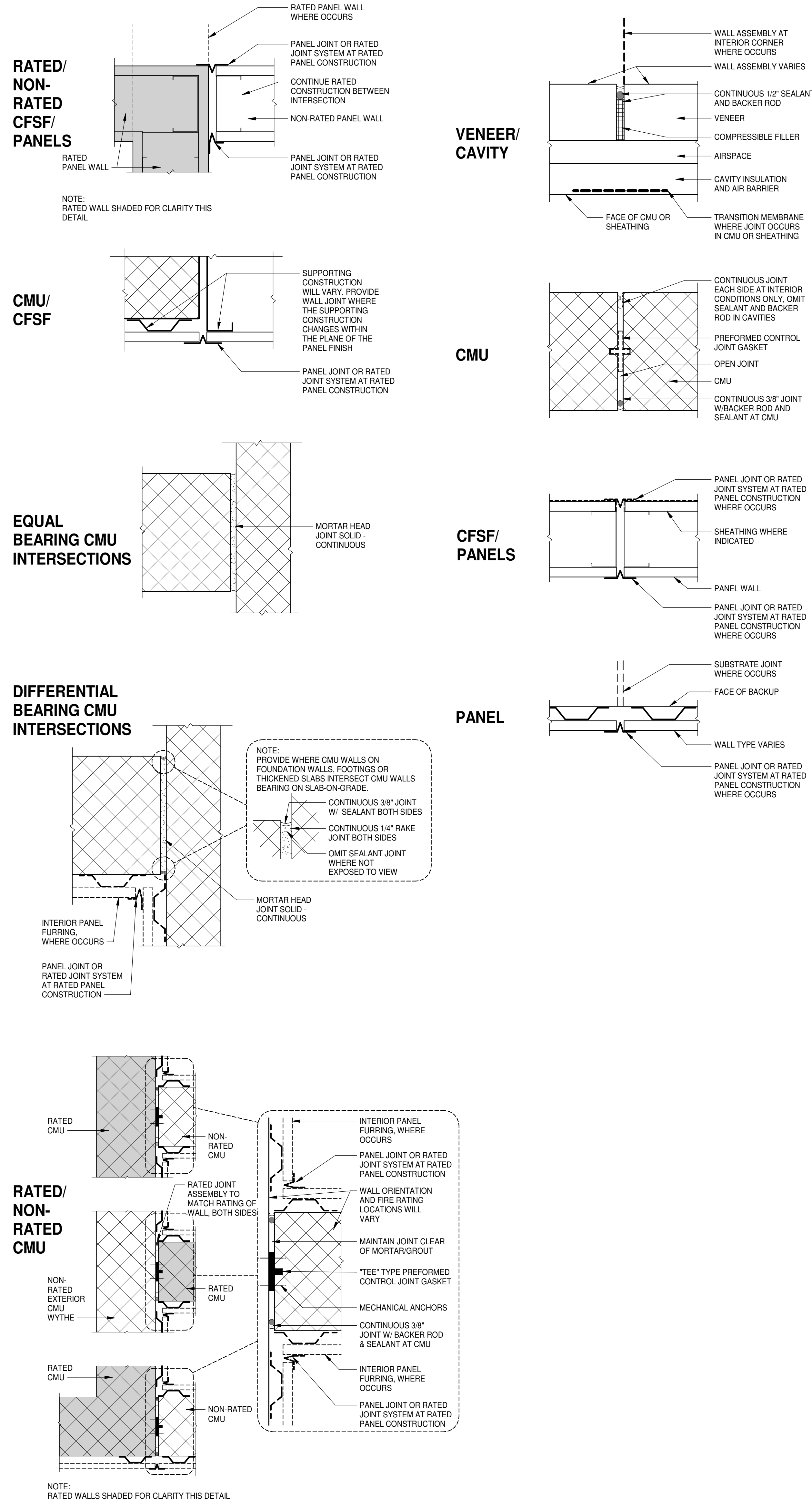
EXTERIOR WALL JOINT GRAPHICS



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

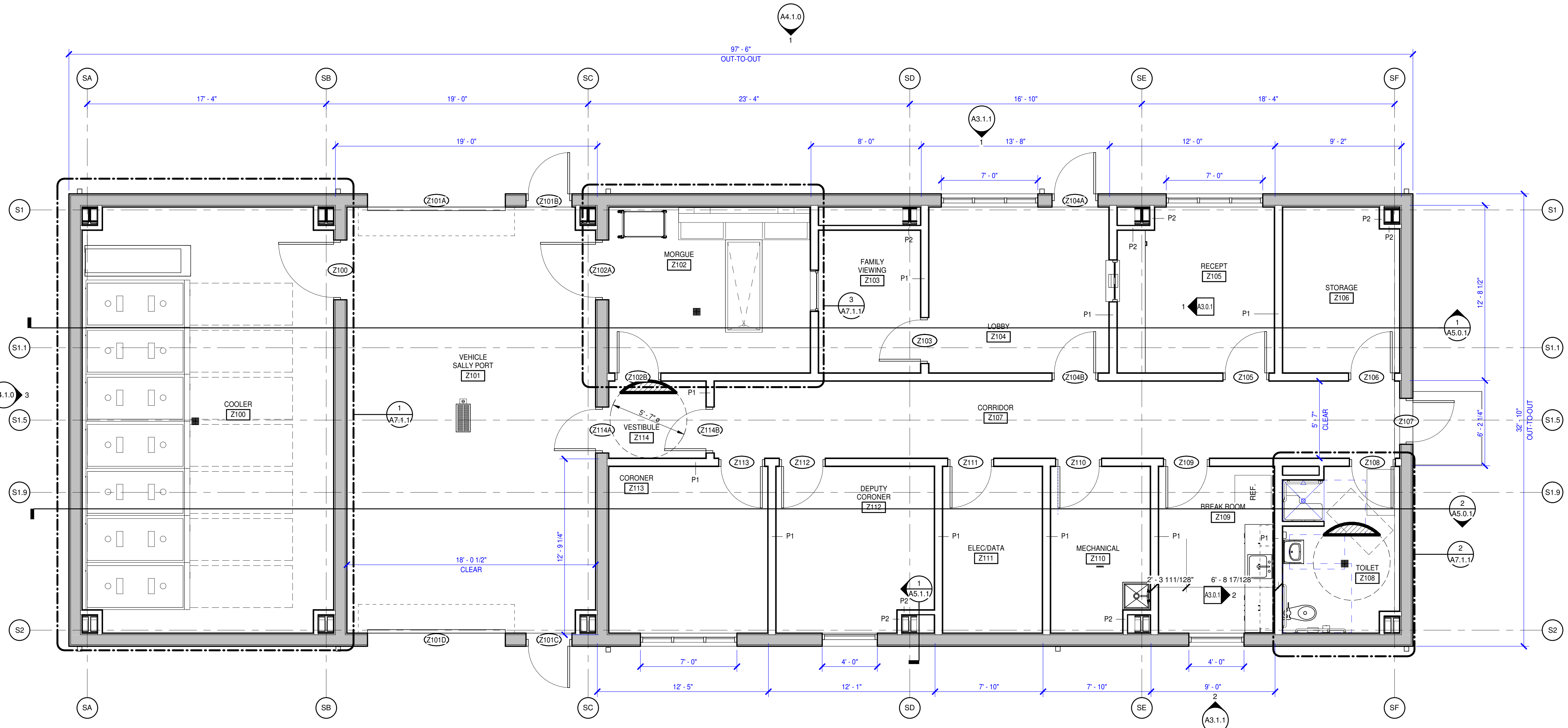
	SPACE NUMBER		CEILING HEIGHT, AFF UNO
	INTERIOR APPLICATIONS: GYPSUM BOARD CEILING		EXTERIOR APPLICATIONS: GYPSUM SOFFIT BOARD OR GYPSUM SHEATHING
	2' 0" x 2' 0" LAY IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID		1 HR RATED HORIZONTAL SHAFT WALL ABOVE ACP CEILING
	1' 0" x 1' 0" ACT ON 3/4" FRT PLYWOOD ON CFSF-S SUSPENDED FRAMING		ACCESS PANEL
	EXTERIOR WALL		INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK
	INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY		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
	INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING		EXISTING TO REMAIN. VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK

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.

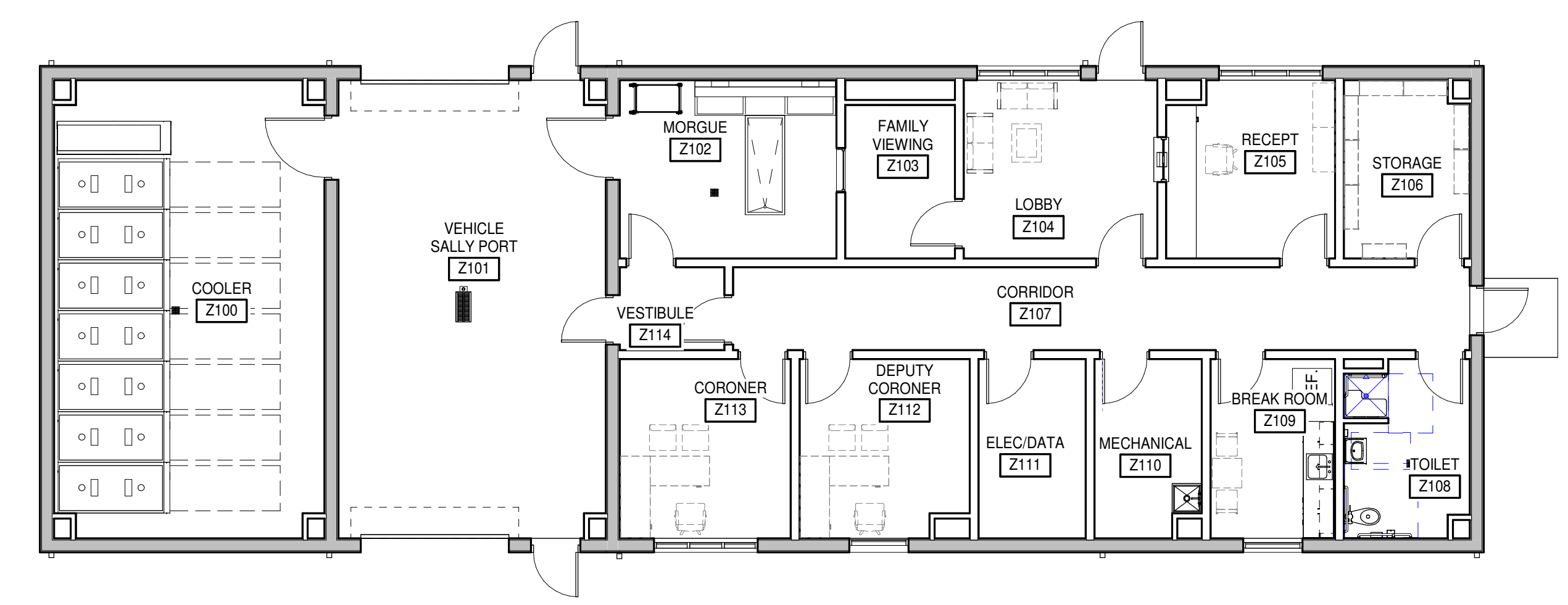
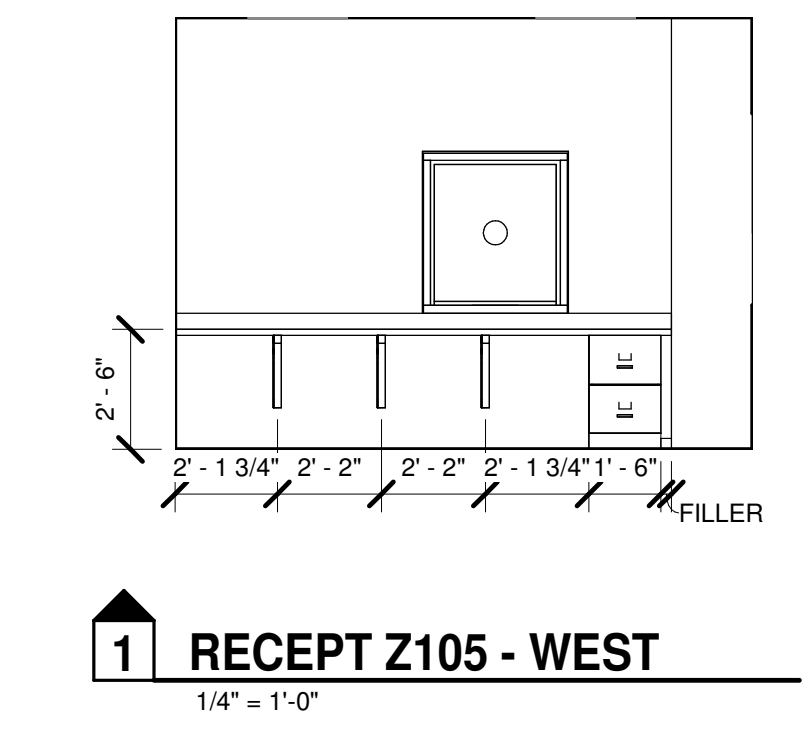
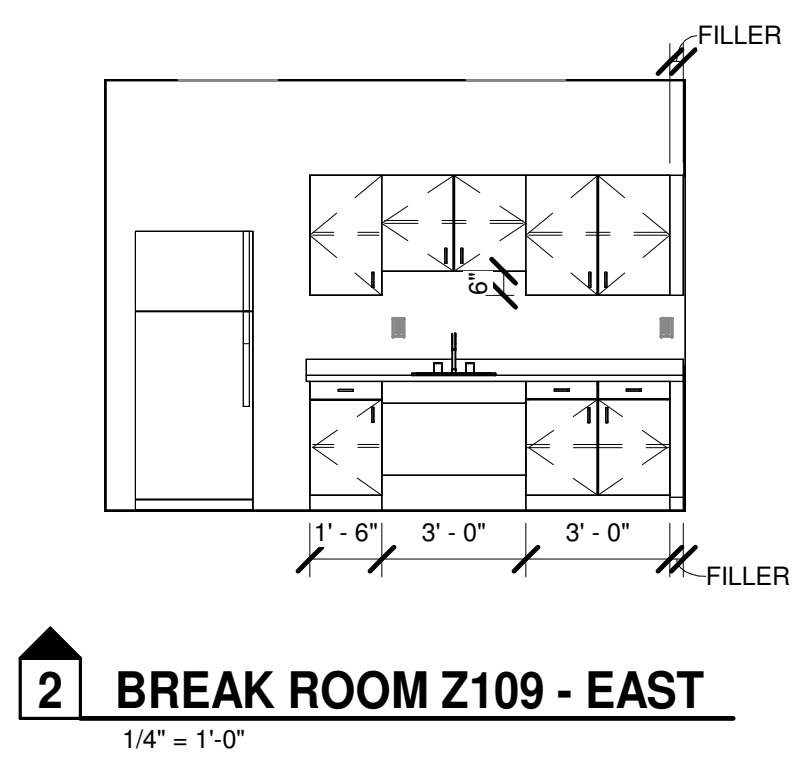
FINISH SCHEDULE GENERAL NOTES

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		--		

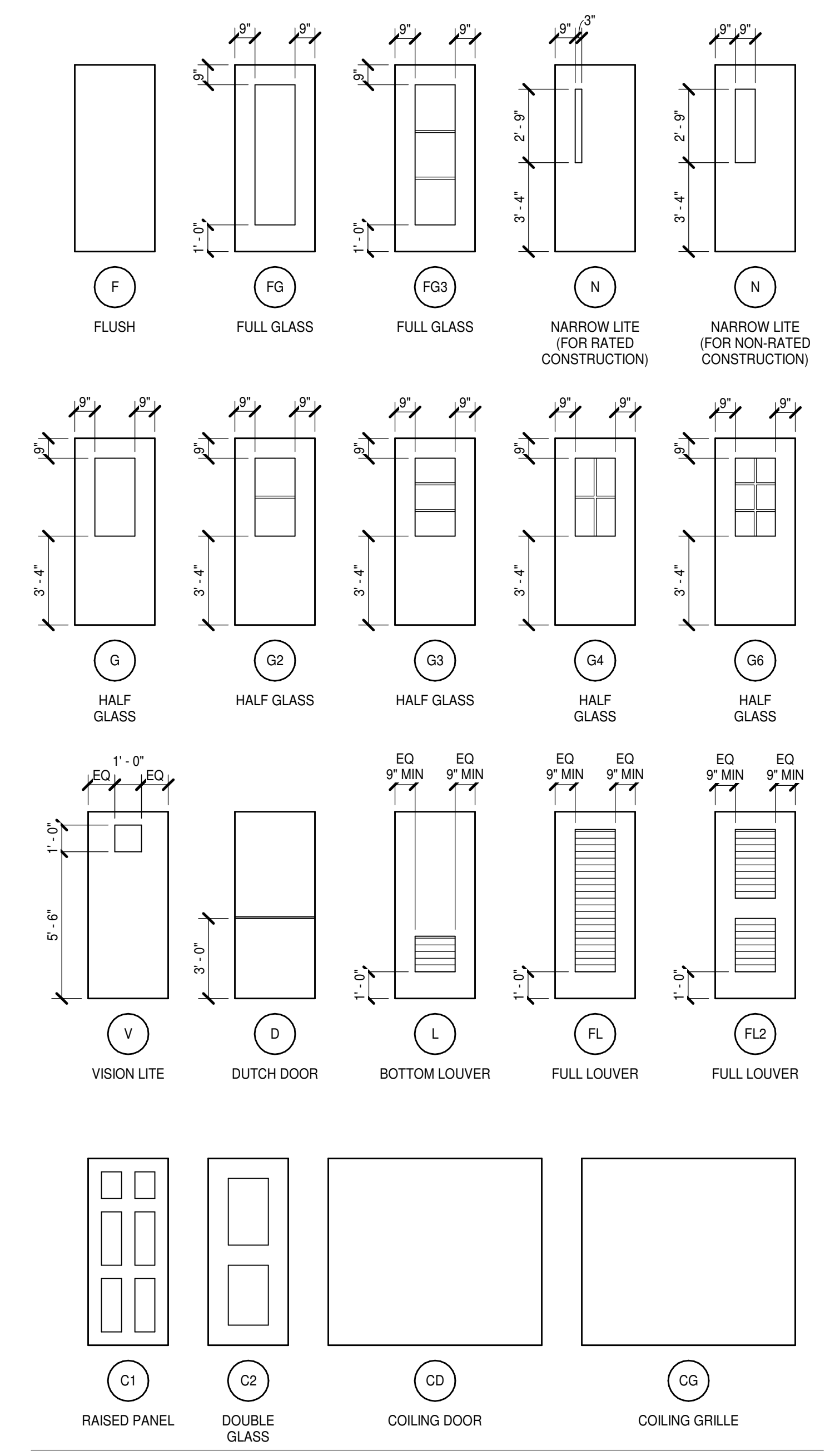
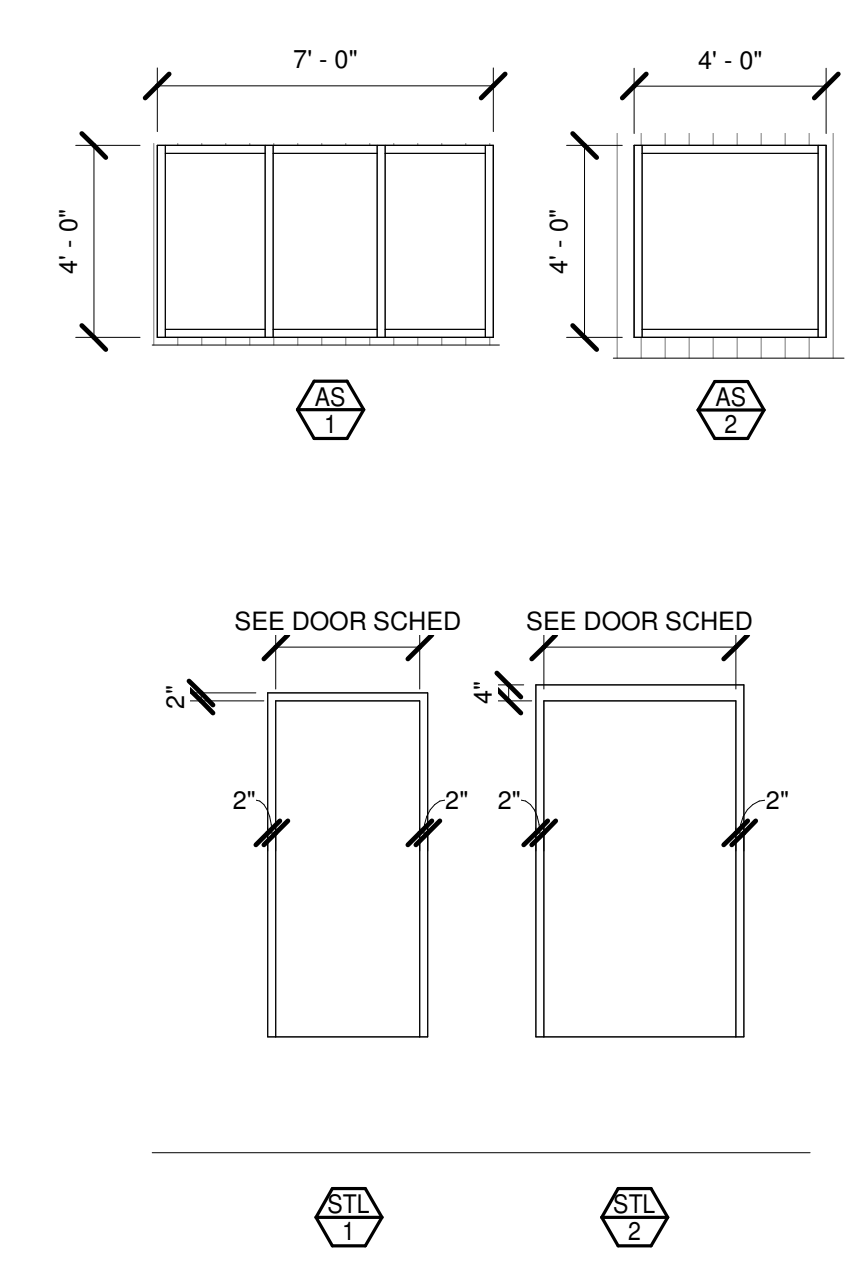
NOTE:
1. Note 1
2. Note 2

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).

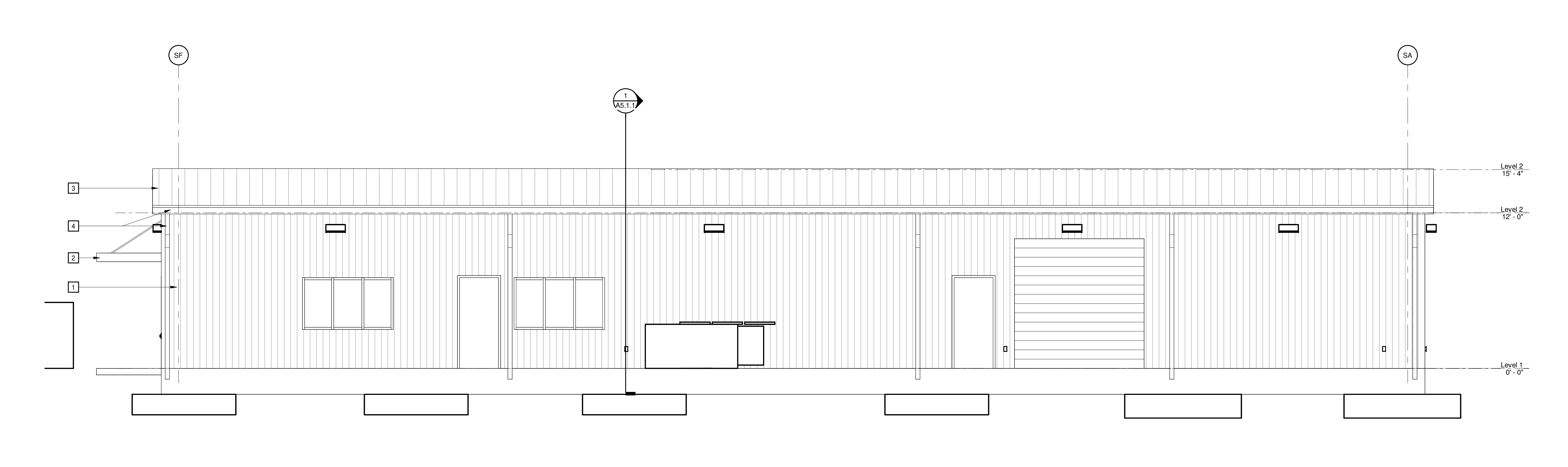
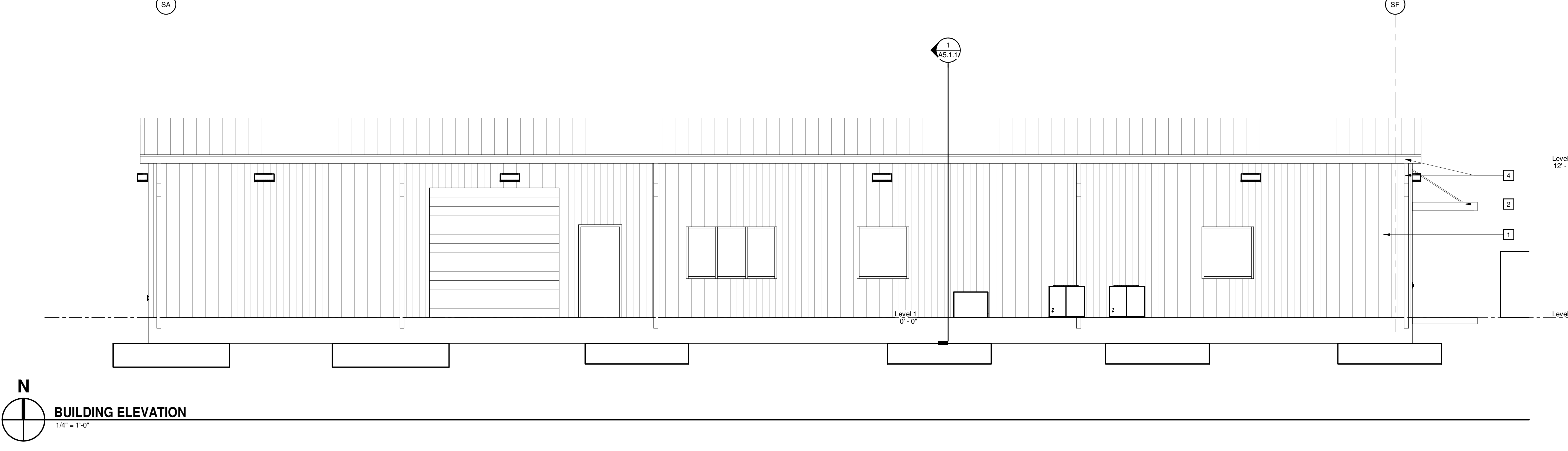
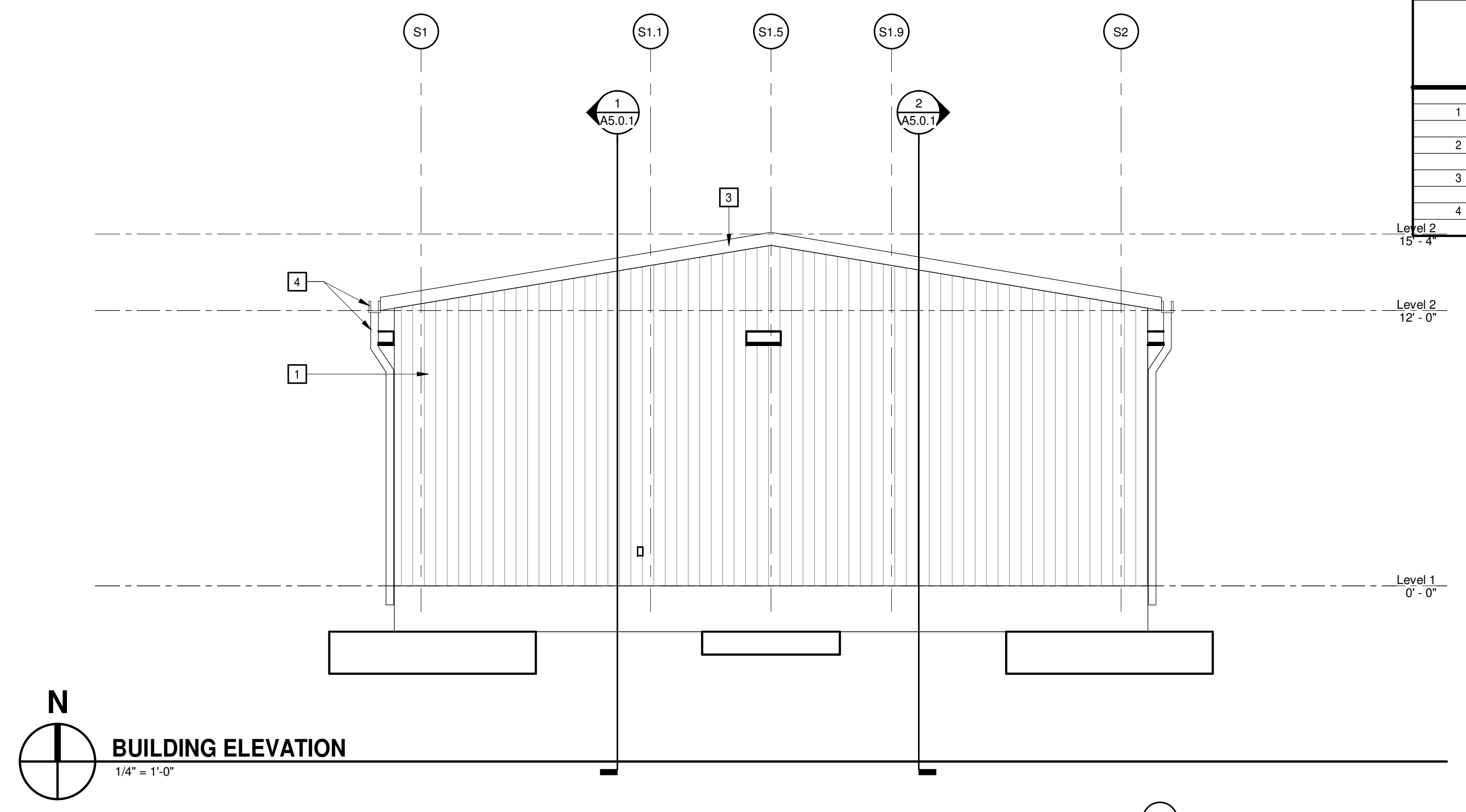
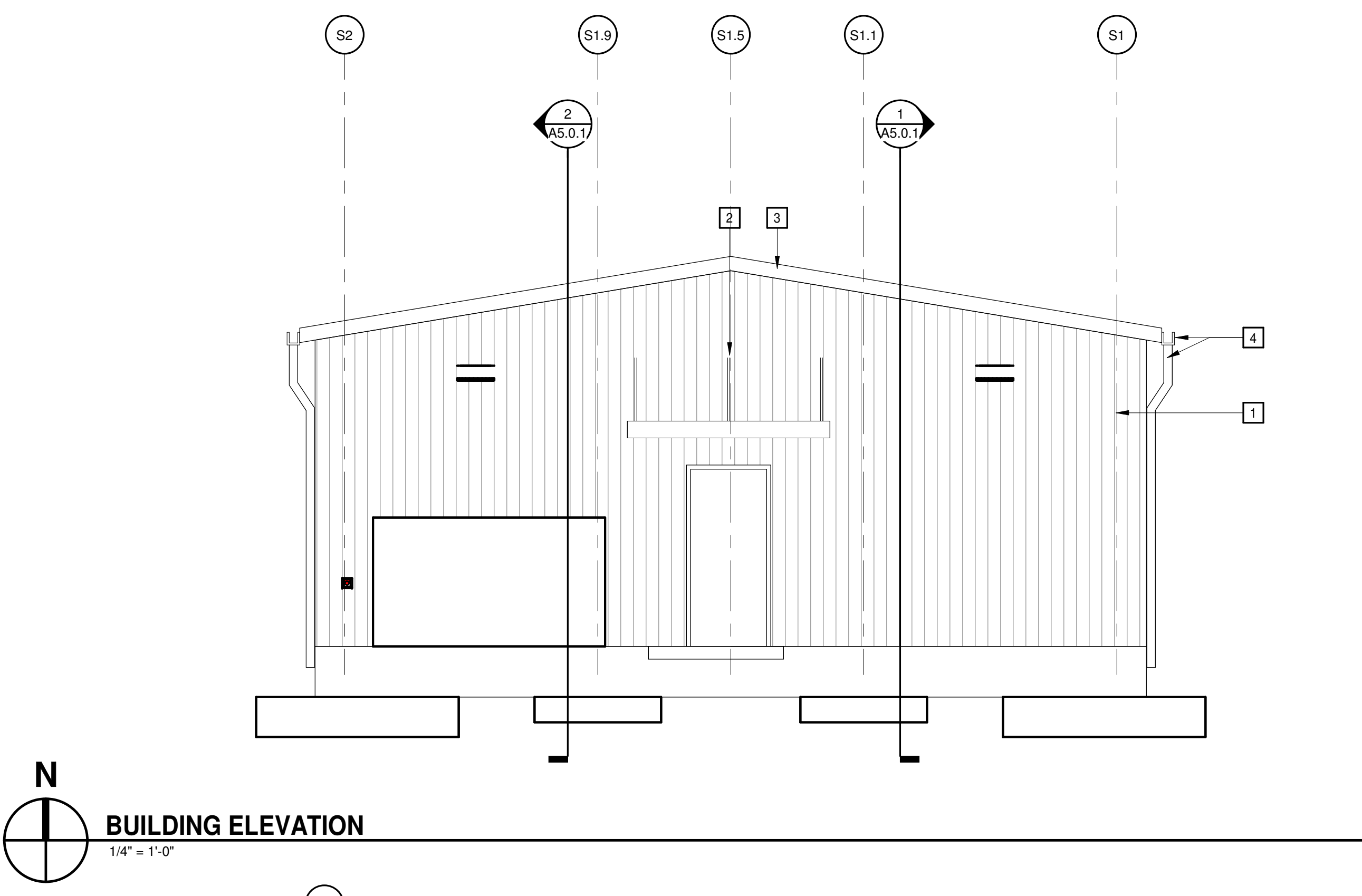


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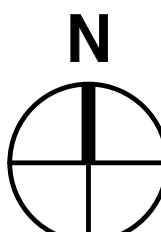
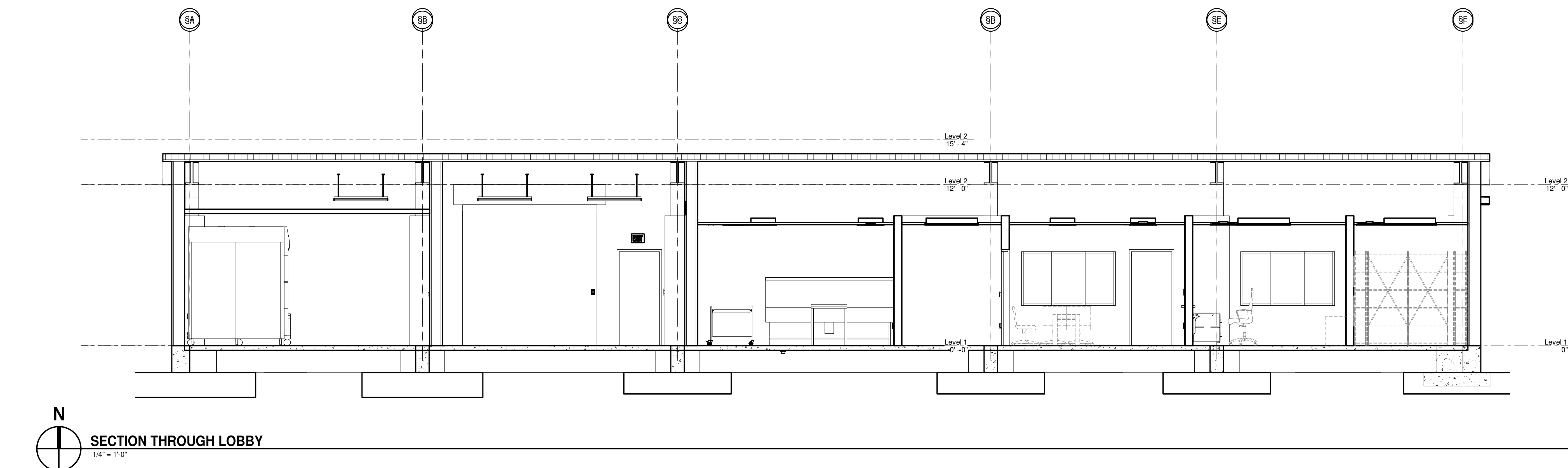
BUILDING ELEVATION KEYNOTES	
REPRESENTED BY [Symbol]	
APPLIES TO DRAWINGS A4.1 - A4.n	
1	PEMB METAL WALL PANELS
2	PREFINISHED ALUMINUM PROTECTIVE COVER
3	STANDING SEAM METAL ROOF
4	PREFINISHED ALUMINUM GUTTER AND DOWNSPOUT



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

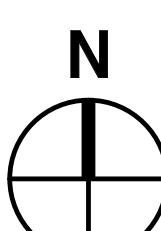
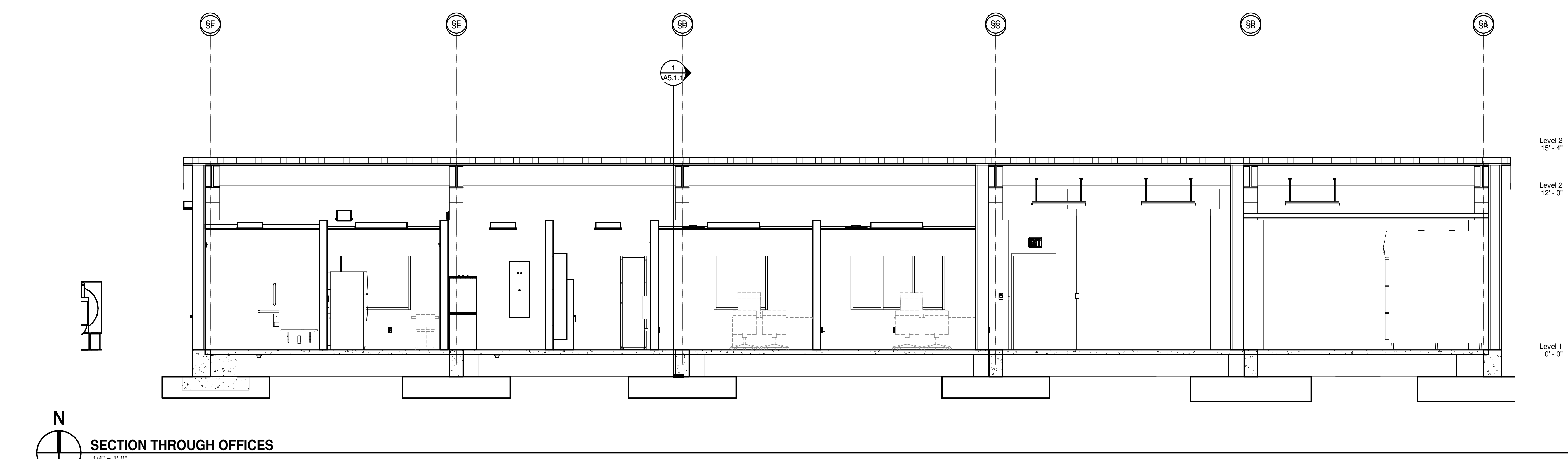
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A B C D E F G H I J



SECTION THROUGH LOBBY

1/4" = 1'-0"

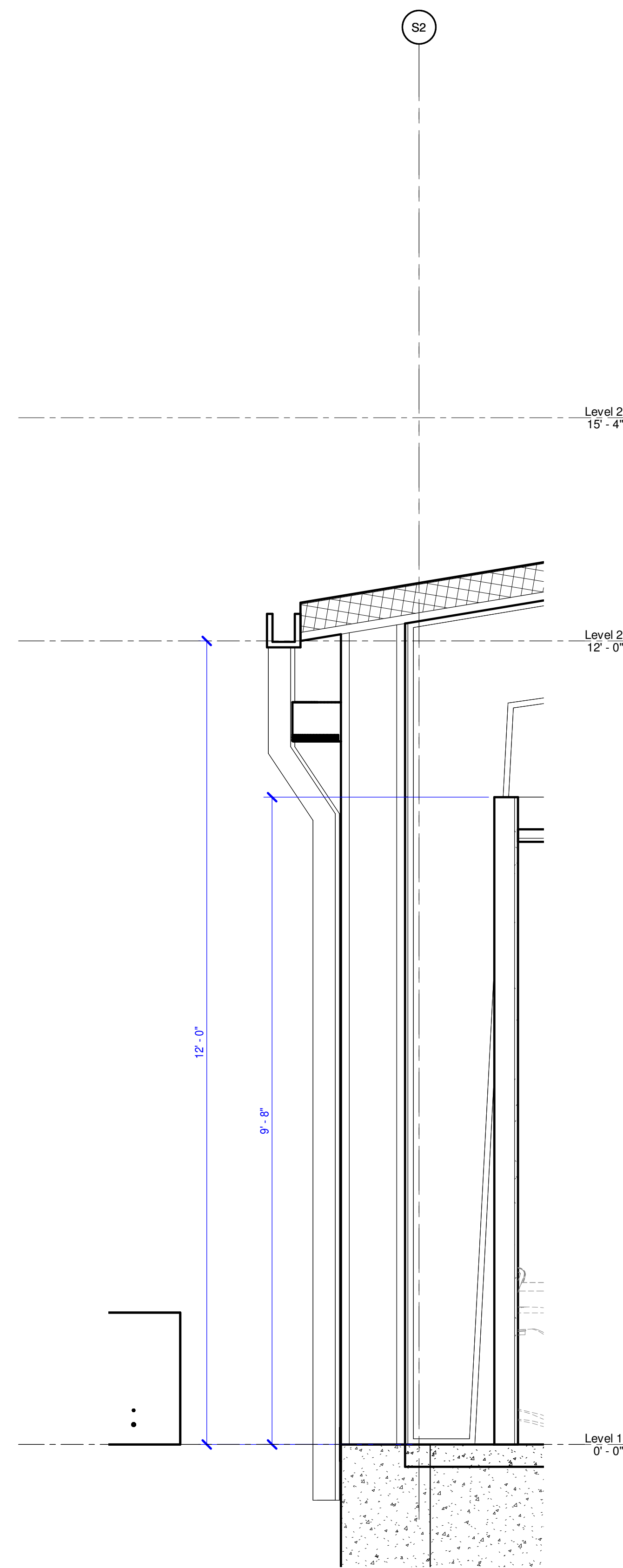


SECTION THROUGH OFFICES

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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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 - A7.1.11
 REPRESENTED BY (TA)

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

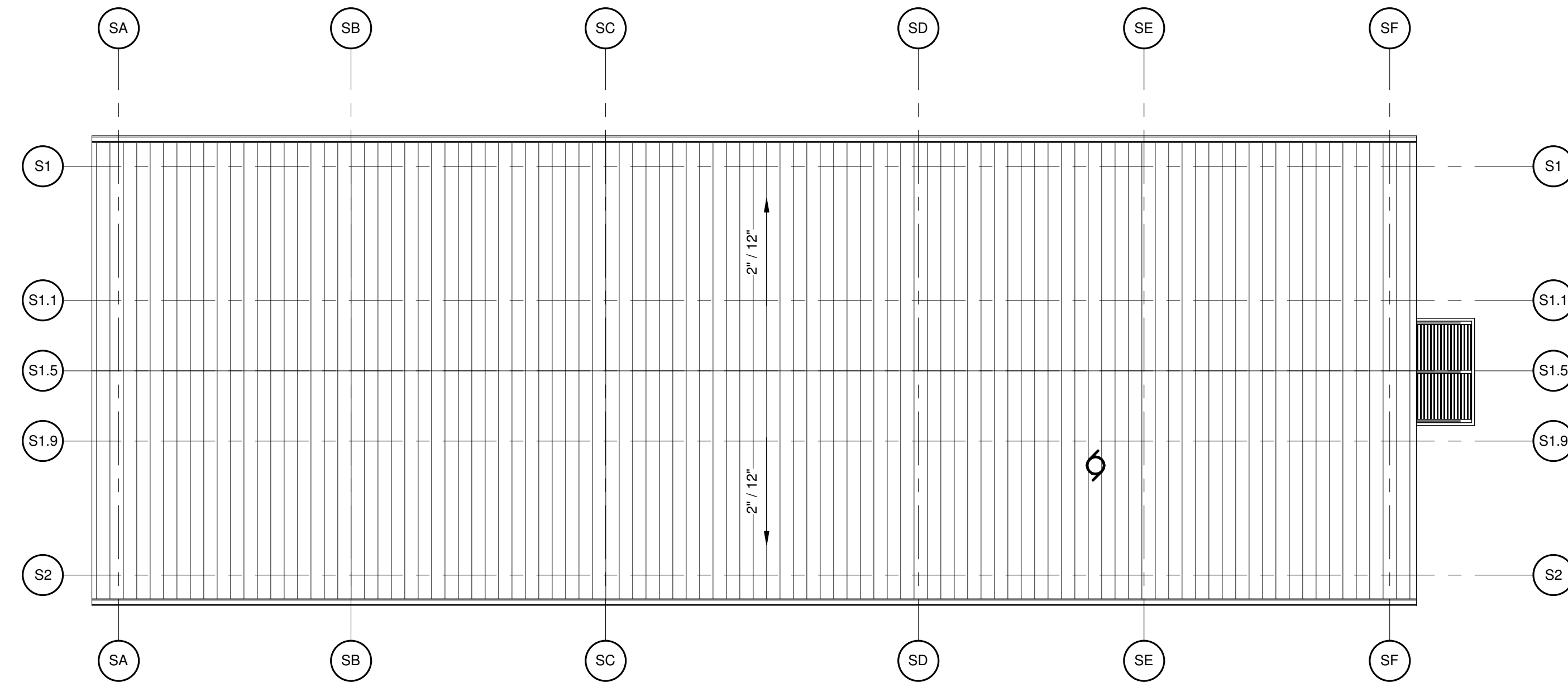
SPECIALTY EQUIPMENT SCHEDULE

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

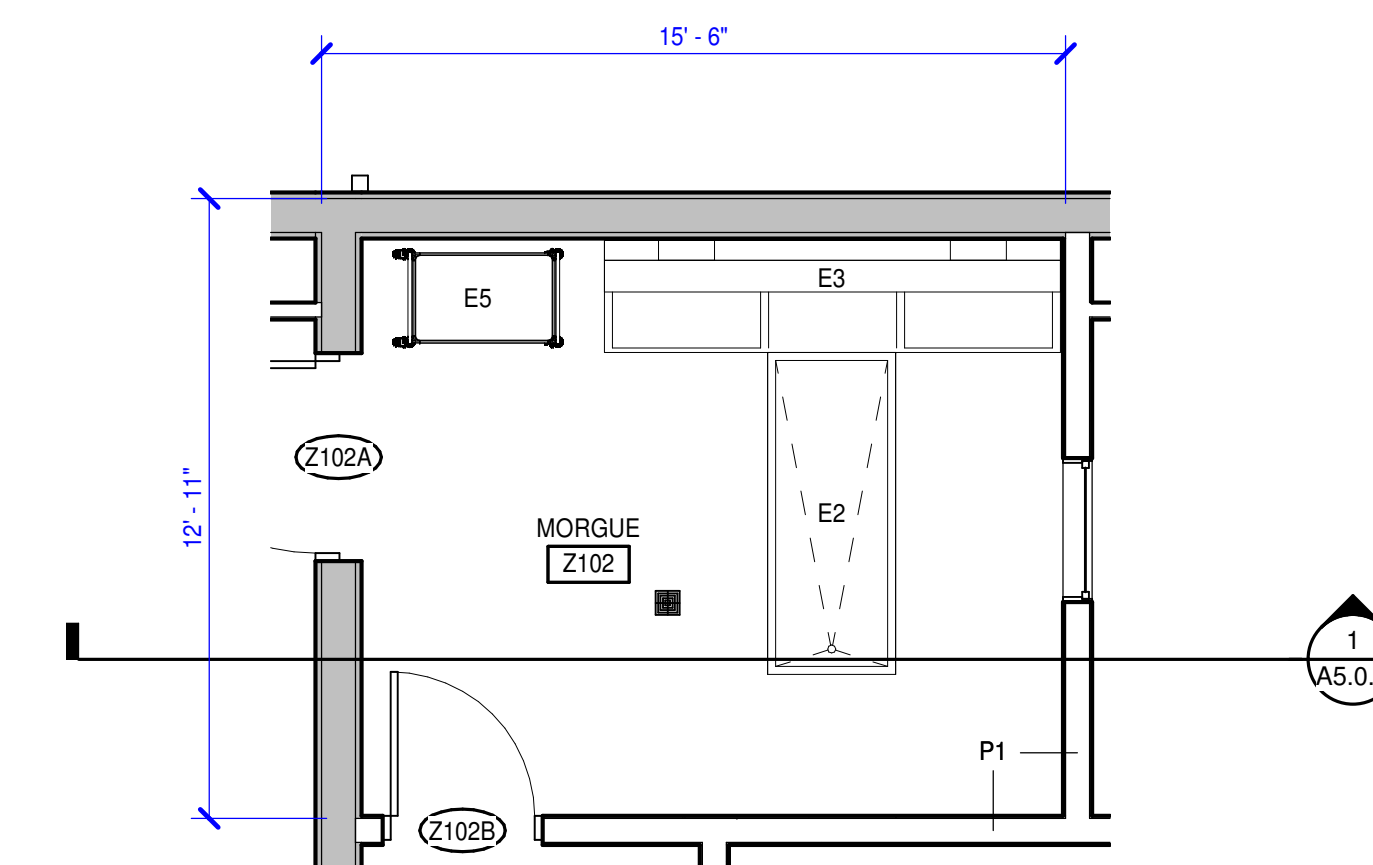
TOILET ACCESSORY SCHEDULE

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	

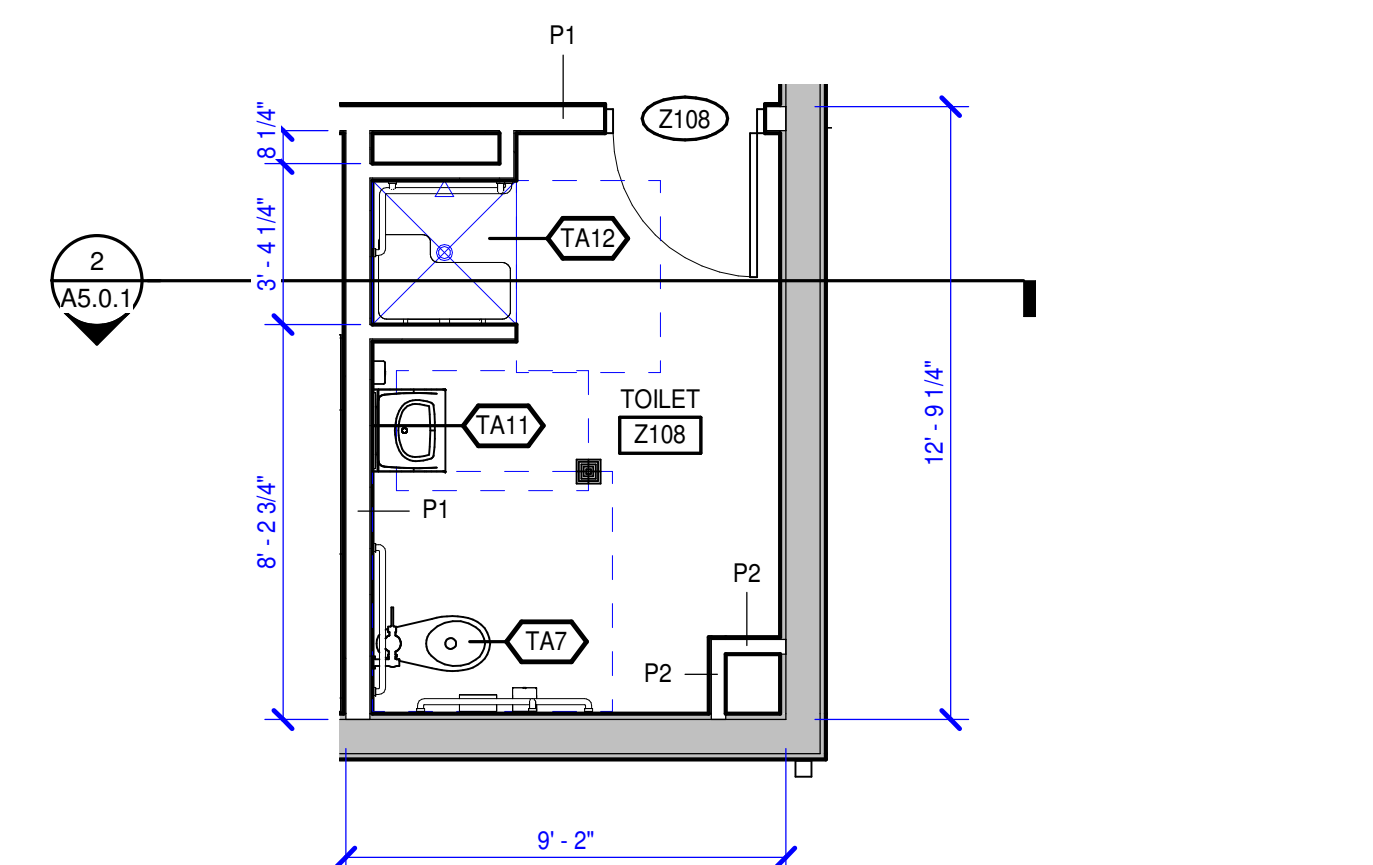
- ACCESSORY ITEMS ARE IDENTIFIED BY () ON PLANS. LETTERS CORRESPOND TO SCHEDULE ABOVE.
- ACTUAL DIMENSIONS OF ACCESSORIES MAY VARY. COORDINATE DIFFERENCES, IF ANY.
- REFER TO ALL CASEWORK ELEVATIONS FOR ADDITIONAL TOILET ACCESSORY LOCATIONS.
- PROVIDE MOP AND BROOM HOLDER W/ SHELF (T) AT ALL CUSTODIAL/JANITORIAL 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.



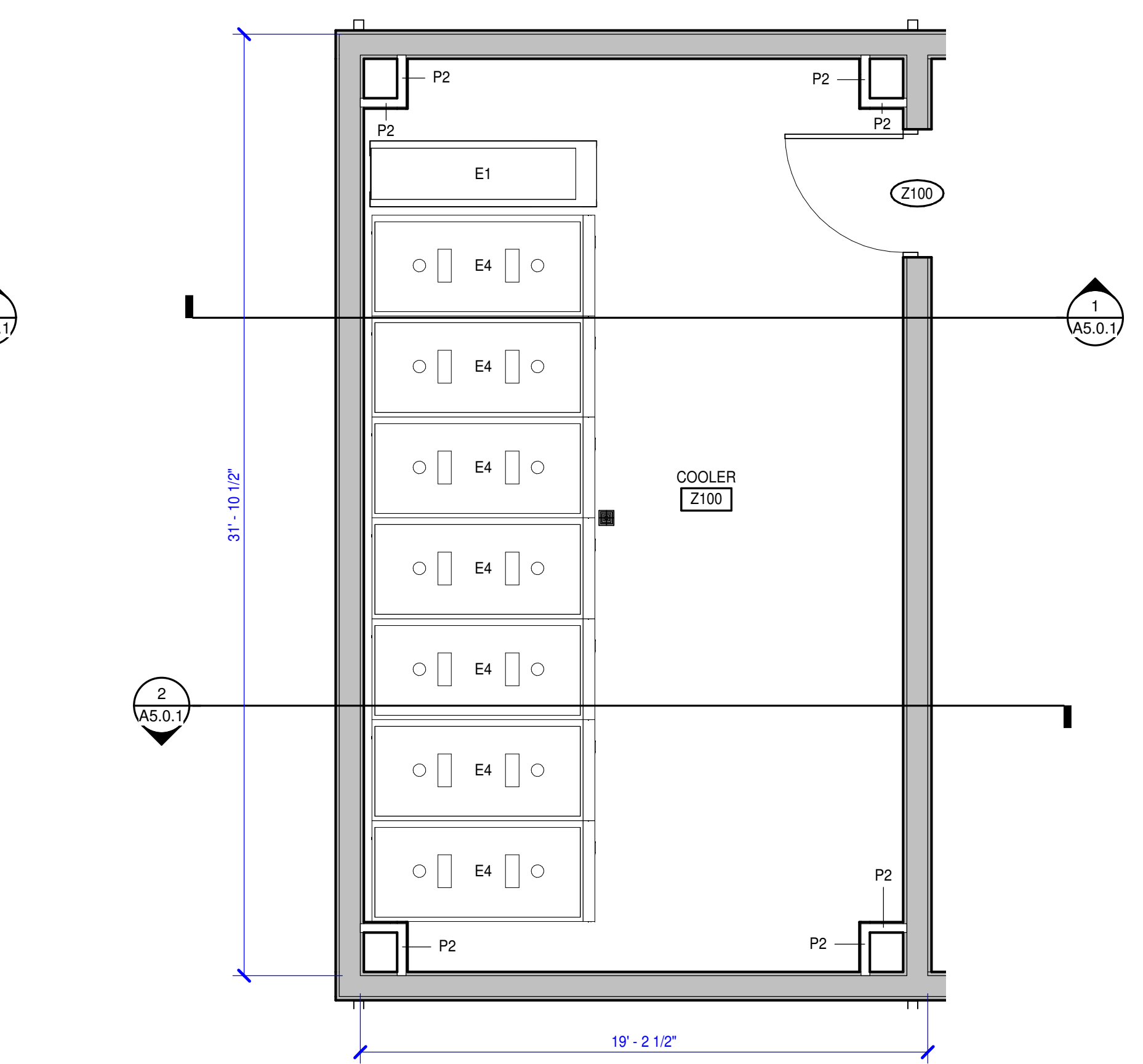
ROOF PLAN
 1/8" = 1'-0"



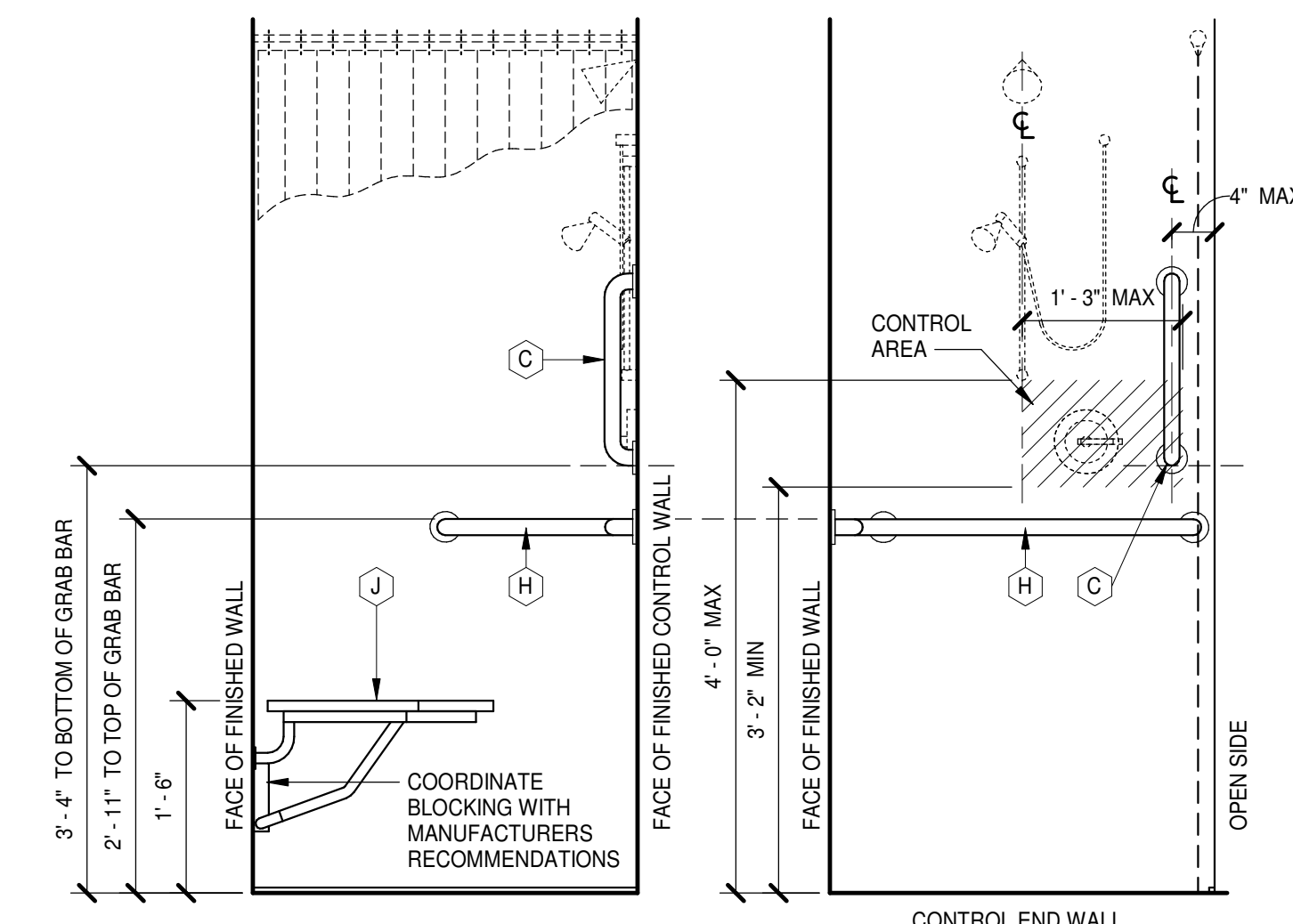
3 MORGUE
 A2.1.1 | A7.1.1 | 1/4" = 1'-0"



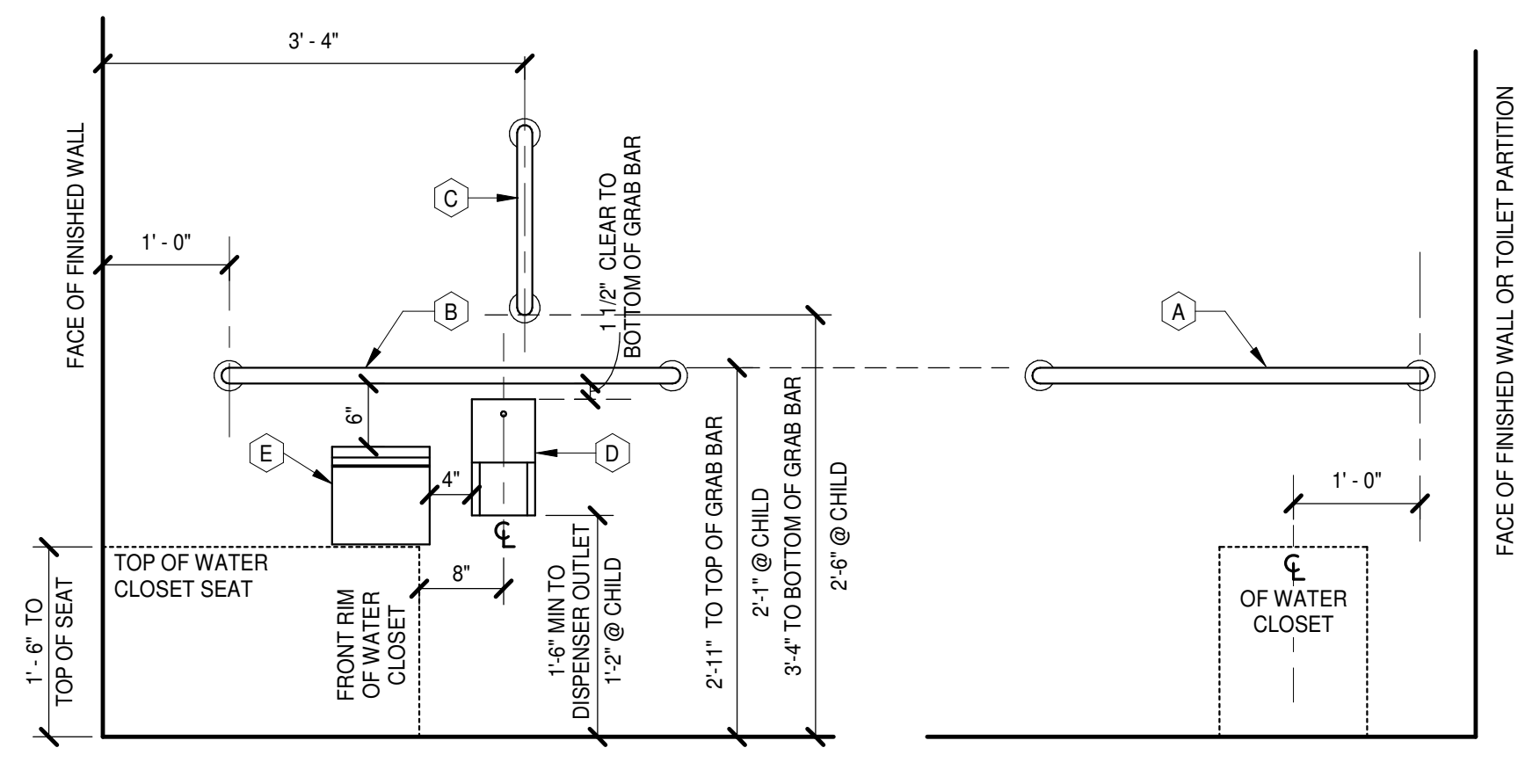
2 ENLARGED PLAN
 A2.1.1 | A7.1.1 | 1/4" = 1'-0"



1 ENLARGED PLAN
 A2.1.1 | A7.1.1 | 1/4" = 1'-0"



TRANSFER-TYPE SHOWER ELEVATIONS



WATER CLOSET ELEVATIONS

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
HIGH STRENGTH BOLTS (CONVENTIONAL)
WASHERS
HEAVY HEX NUTS
TWIST OFF TENSION CONTROL BOLTS
COMPRESSIBLE WASHER DIRECT-TENSION INDICATORS
ANCHOR RODS
WELDING ELECTRODES
HEADED SHEAR STUDS
THREADED ROD
CLEAVES
TURNBUCKLES
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
HIGH STRENGTH BOLTS (CONVENTIONAL)
WASHERS
HEAVY HEX NUTS
TWIST OFF TENSION CONTROL BOLTS
COMPRESSIBLE WASHER DIRECT-TENSION INDICATORS
ANCHOR RODS
WELDING ELECTRODES
HEADED SHEAR STUDS
THREADED ROD
CLEAVES
TURNBUCKLES
ASTM A992, ASTM A666, CLASS A
ASTM A36, ASTM A563, 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
HIT-400, BY HILTI
EPOXY (SLOW CURE)
PURE 110+, BY DEWALT
SET-XP, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
HIT RES-90, BY HILTI

- BASES 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 (HACIP) 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 EARTH/WEATHER 2 IN
C. FORMED SLABS AND WALLS NOT EXPOSED TO EARTH/WEATHER FOR #11 AND SMALLER BAR 3/4 IN
D. ALL OTHER FORMED ELEMENTS NOT EXPOSED TO EARTH/WEATHER 1 1/2 IN

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 ABC & SC7)

- 6. SEISMIC DESIGN DATA
SEISMIC DESIGN CATEGORY D
SEISMIC IMPORTANCE FACTOR (Ie) 1.25
SITE CLASS D
MAPPED SPECTRAL RESPONSE ACCELERATIONS (Sa) 0.475
POUNDS PER SQUARE FOOT (S1) 0.158
DESIGN SPECTRAL RESPONSE ACCELERATIONS (Sds) 0.45
RADIUS (Sd1) 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

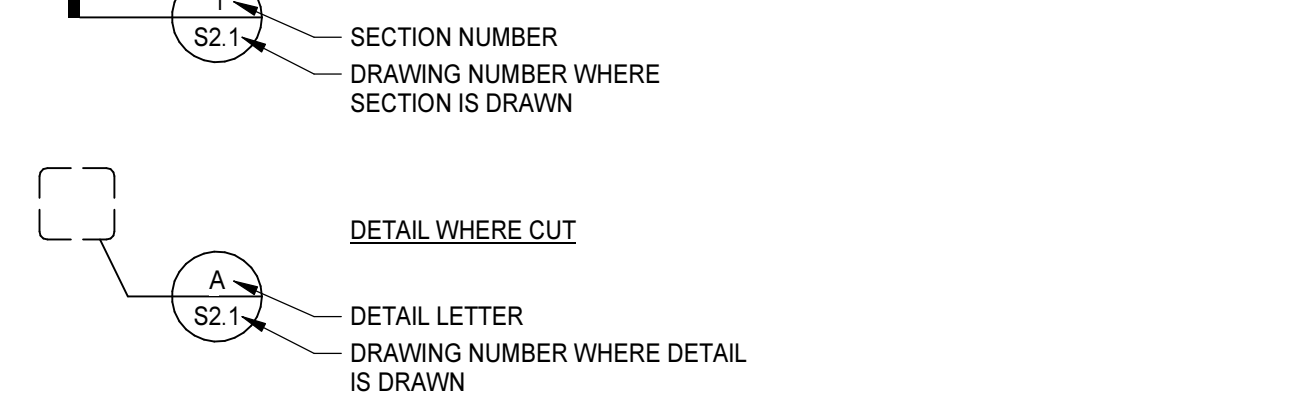
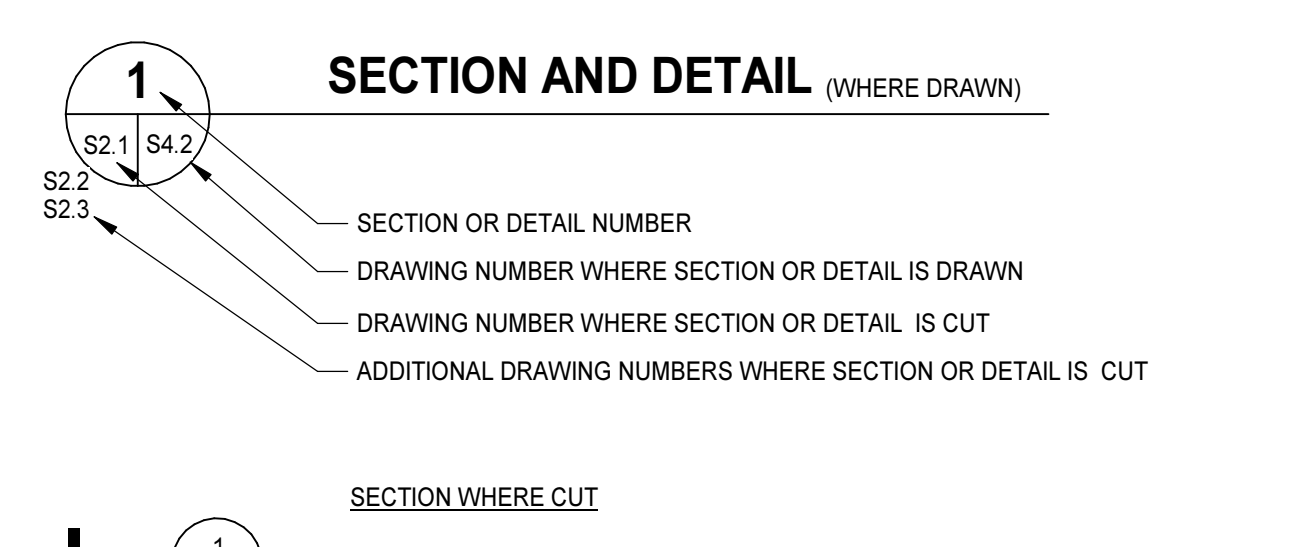


Table: STRUCTURAL MATERIALS LEGEND. Lists materials like Earth, Cast in Place Concrete, Clay Brick, Hollow Concrete Block, Split-Face Concrete Block, Grout Filled Concrete Block, Precast Concrete, Cast Stone, Porous Fill or Granular Base Course with corresponding hatching patterns.

STRUCTURAL ABBREVIATIONS

Table: STRUCTURAL ABBREVIATIONS. Lists abbreviations for structural elements 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, Contour, Center, Deformed Bar Anchor, Double, Diameter, Diagonal, Dimension, Down, Drawing, Each, Each Face, Expansion Joint, Elevation, Electrical, Elevation, Edge of Deck, Edge of Slab, Equal, Each Way, Existing, Expansion, Exterior, Fixed Base, Floor Drain, Foundation, Finished Floor, Fin, 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: PLAN LEGEND. Lists symbols for 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.

Inspections & Testing	Continuous	Periodic	Y/N	Reference Standard or Compliance Document	Agent
Inspection Agents					
1. Special Inspector of Record (SIOR)					
2. Structural Engineer of Record (SEOR) Moseley Architects					
3. Steel Fabricator's Quality Control Inspector					
4. Structural Observer					
Inspection Agents					
O - Observe - The inspector shall observe these items on a regular basis.					
P - Perform - These tasks shall be performed for each welded or bolted joint.					
1704.2.4 Report Requirement					
Special Inspector to keep record of special inspections and furnish inspection reports to the building official and to the Registered Design Professional in Responsible Charge	•		Y	IBC 1704.2.4	1
1704.2.5 Inspection of Fabricated Items					
Work done in fabricator shop requires special inspection unless the fabricator is registered and approved in accordance with 1704.2.5.1. Where fabricator is approved, provide fabricator certification document.	•		Y	1704.2.5	1, 3
At completion of fabrication, submit certificate of compliance to building official stating the work was performed in accordance with the approved construction documents.	•		Y	1704.2.5.1	1
1704.4 Contractor Responsibility					
Each contractor responsible for the construction of a main wind- or seismic-force resisting system, designated seismic system or a wind- or seismic-resisting component listed in the statement of special inspections shall submit a written statement of responsibility.	•		Y	1704.4	
1704.5 Submittals to the Building Official					
Certificates of compliance for the fabrication of structural, load-bearing or lateral load-resisting members or assemblies on the premises of a registered and approved fabricator in accordance with 1704.2.5.1	•		Y	1704.5 1704.2.5.1	2, 3
Certificates of compliance for the seismic qualification of nonstructural components, supports and attachments in accordance with Section 1705.14.2	•		Y	1704.5 1705.14.2	2, 3
Certificates of compliance for designated seismic systems in accordance with Section 1705.14.3	•		Y	1704.5 1705.14.3	2, 3
Reports of preconstruction tests for shotcrete in accordance with ACI 318	•		N	1704.5 ACI 318	1, 2
Certificates of compliance for open web steel joists and joist girders in accordance with Section 2207.5	•		N	1704.5 2207.5	2, 3
Reports of material properties verifying compliance with the requirements of AWS D1.4 for weldability as specified in Section 26.6.4, of ACI 318 for reinforcing bars in concrete complying with a standard other than ASTM A 706 that are to be welded.	•		Y	1704.5 AWS D1.4 26.6.4 of ACI 318 ASTM A 706	1, 2
Reports of mill tests in accordance with Section 20.2.2.5 of ACI 318 for reinforcing bars complying with ASTM A 615 and used to resist earthquake-induced flexural or axial forces in the special moment frames, special structural walls or coupling beams connecting special structural walls of seismic force-resisting systems in structures assigned to Seismic Design Category B, C, D, E, or F.	•		N	1704.5 20.2.2.5 of ACI 318 ASTM A 615	2, 3
1704.6 Structural Observation					
The owner shall employ a registered design professional to perform structural observations. Prior to commencement of observation, the structural observer shall submit to the building official a written statement identifying frequency and extent of structural observations.					
1. Structural observations for structures	•		Y	1704.6.1	4
Inspections & Testing					
1705.2 Steel Construction					
Structural Steel inspections and non-destructive testing shall be in accordance with the quality assurance inspection requirements of AISC 360-16.				1705.2.1 AISC 360-16	
QC inspection tasks shall be performed by fabricator's or erector's Quality Control Inspector (Agent 3), as applicable, in accordance with sections NS.4, NS.6, and NS.7.					
QA inspection tasks shall be performed by the Quality Assurance Inspector (Agent 1), in accordance with sections NS.4, NS.6, and NS.7.					
Prior to Welding (AISC 360-16 Table NS.4-1)					
Welder qualification records and continuity records					P O
Welding procedure specifications (WPS) available					P P
Manufacturer certifications for welding consumables					P P
Material identification (type/grade)					O O
Welder identification system					O O
Fit-up of groove welds (including joint geometry)					O O
a. Joint preparation					
b. Dimensions (alignment, root opening, root face, bevel)					
c. Cleanliness (condition of steel surfaces)					
d. Tacking (tack weld quality and location)					
e. Backing type and fit (if applicable)					
Configuration and finish of access holes					O O
Fit-up of fillet welds					O O
a. Dimensions (alignment, gaps at root)					
b. Cleanliness (condition of steel surfaces)					
c. Tacking (tack weld quality and location)					
Check welding equipment					O -
During Welding (AISC 360-16 Table NS.4-2)					
Control and handling of welding consumables					O O
a. Packaging					
b. Exposure control					
No welding over cracked tack welds					O O
Environmental conditions					O O
a. Wind speed within limits					
b. Precipitation and temperature					
WPS followed					O O
a. Settings on welding equipment					
b. Travel speed					
c. Selected welding materials					
d. Shielding gas type/flow rate					
e. Preheat applied					
f. Interpass temperature maintained (min. max.)					
g. Proper position (F, V, H, OH)					
Welding techniques					O O
a. Interpass and final cleaning					
b. Each pass within profile limitations					
c. Each pass meets quality requirements					
Placement and installation of steel headed stud anchors					P P

Inspections & Testing	Reference Standard or Compliance Document	Agent
After Welding (AISC 360-16 Table NS.4-3)		
Welds cleaned		O O
Size, length and location of welds		P P
Welds meet visual acceptance criteria		P P
a. Crack prohibition		
b. Weld/base-metal fusion		
c. Crater cross section		
d. Weld profiles		
e. Weld size		
f. Undercut		
g. Porosity		
Arc strikes		P P
k-area		P P
Weld across holes in rolled heavy shapes and built-up heavy shapes		P P
Backing removed and weld tabs removed (if required)		P P
Repair activities		P P
Document acceptance or rejection of welded joint or member		P P
No prohibited welds have been added without the approval of the EOR.		O O
Nondestructive Testing (AISC 360-16 Section NS.5)		
Risk Category II Structures - Perform Ultrasonic Testing on 10% of CJP groove welds or butt, T- and corner joints subject to transversely applied tension loading, in materials 5/16 in. thick or greater.		P P
Risk Category III or IV Structures - Perform Ultrasonic Testing on all CJP groove welds subject to transversely applied tension loading in butt, T- and corner joints, in materials 5/16 in. thick or greater.		P P
Access Holes - Perform Magnetic Particle Testing or Liquid Penetrant Testing when the flange thickness exceeds 2 in. for rolled shapes, or when the web thickness exceeds 2 in. for built-up shapes.		P P
Welded Joints Subject to Fatigue		P P
Prior to Welding (AISC 341-16 Table J6.1)		
Visual inspection tasks prior to welding		QC QA
Material identification (type/grade)		O O
Welder identification system		O O
Fit-up of groove welds (including joint geometry)		O O
a. Joint preparation		
b. Dimensions (alignment, root opening, root face, bevel)		P/O*
c. Cleanliness (condition of steel surfaces)		
d. Tacking (tack weld quality and location)		
e. Backing type and fit (if applicable)		
Configuration and finish of access holes		O O
Fit-up of fillet welds		O O
a. Dimensions (alignment, gaps at root)		
b. Cleanliness (condition of steel surfaces)		P/O*
c. Tacking (tack weld quality and location)		
*Following performance of this inspection task for ten welds to be made by a given welder, with the welder demonstrating understanding of requirements and possession of skills and tools to verify these items, the Perform designation of this task shall be reduced to Observe, and the welder shall perform this task. Should the inspector determine that the welder has discontinued performance of this task, the task shall be returned to Perform until such time as the inspector has re-established adequate assurance that the welder will perform the inspection tasks listed.		
During Welding (AISC 341-16 Table J6.2)		
Visual inspection tasks during welding		QC QA
WPS followed		
a. Settings on welding equipment		
b. Travel speed		
c. Selected welding materials		
d. Shielding gas type/flow rate		O O
e. Preheat applied		
f. Interpass temperature maintained (min. max.)		
g. Proper position (F, V, H, OH)		
h. Intermix of filler metals avoided unless approved		
Use of qualified welders		O O
Control and handling of welding consumables		O O
a. Packaging		O O
b. Exposure control		
Environmental conditions		O O
a. Wind speed within limits		
b. Precipitation and temperature		
Welding techniques		O O
a. Interpass and final cleaning		
b. Each pass within profile limitations		
c. Each pass meets quality requirements		
No welding over cracked tacks		O O
After Welding (AISC 341-16 Table J6.3)		
Visual inspection tasks after welding		QC QA
Welds cleaned		O O
Size, length and location of welds		P P
Welds meet visual acceptance criteria		
a. Crack prohibition		
b. Weld/base-metal fusion		
c. Crater cross section		
d. Weld profiles		P P
e. Weld size		
f. Undercut		
g. Porosity		P P
*k-area		P P
Placement of reinforcing or contouring fillet welds (if required)		P P
Backing removed, weld tabs removed and finished, and fillet welds added (if required)		P P
Repair activities		P P
*When welding doubler plates, continuity plates, or stiffeners has been performed in the k-area, visually inspect web k-area for cracks within 3 in. (75 mm) of the weld. The visual inspection shall be performed no sooner than 48 hours following completion of the welding.		
Prior to Bolting (AISC 360-16 Table NS.6-1)		
Manufacturer's certifications available for fastener materials		O O
Fasteners marked in accordance with ASTM requirements		O O
Correct fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from shear plane)		O O
Correct bolting procedure selected for joint detail		O O
Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements		O O
Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used (Not required for Snug Tight bolts)		P O
Protected storage provided for bolts, nuts, washers and other fastener components		O O

Inspections & Testing	Reference Standard or Compliance Document	Agent
During Bolting (AISC 360-16 Table NS.6-2)		
These inspections are not required for snug-tight joints.		
These inspections are not required for prestressed joints and slipcritical joints, when the installer is using the turn-of-nut method with matching techniques, the direct-tension-indicator method, or the twist-off-type tension control bolt method.		
Fastener assemblies, placed in all holes and washers and nuts are positioned as required		O O
Joint brought to the snug-tight condition prior to the prestressing operation		O O
Fastener component not turned by the wrench prevented from rotating		O O
Fasteners are prestensioned in accordance with the RCSC Specification, progressing systematically from the most rigid point toward the free edges		O O
After Bolting (AISC 360-16 Table NS.6-3)		
Document acceptance or rejection of bolted connections		P P
Other Inspection Tasks (AISC 360-16 Section NS.8)		
Verify compliance of fabricated steel with the details shown on the approved shop drawings		P
Verify compliance of the erected steel frame with the field installed details shown on the approved erection drawings, including braces, stiffeners, member locations and joint details.		P
Anchor rods and other embedment supporting structural steel		P
a. Verify the diameter, grade, type and length of the anchor rod or embedded item		P
b. Verify the extent or depth of embedment into the concrete.		P
Reduced Beam Sections (RBS) requirements, if applicable (ref. AISC 341-16)		P
a. Contour and finish		P
b. Dimensional tolerances		P
Protected zone—no holes and unapproved attachments made by fabricator or erector, as applicable (ref. AISC 341-16)		P
H-piles - Protected zone—no holes and unapproved attachments made by the responsible contractor, as applicable (ref. AISC 341-16)		P
Inspections & Testing		
1705.2 Cold-Formed Steel Deck		
Special inspections in accordance with SDI QA/QC-2017 Standard for Quality Control and Quality Assurance for Installation of Steel Deck.		• Y
1705.3 Concrete Construction		Table 1705.3
Inspect reinforcing steel, including prestressing tendons, and verify placement.		
Inspect reinforcing bar welding		
a. Verify weldability of reinforcing bars other than ASTM A 706		
b. Verify single-pass fillet welds, maximum 5/16"		• N
c. Inspect all welds		• N
Inspect anchors cast in concrete		• Y
Inspect anchors post-installed in hardened concrete members		• Y
a. Adhesive anchors installed in horizontally or upwardly inclined orientation to resist sustained tension loads.		• Y
b. Mechanical anchors and adhesive anchors not defined above		• Y
Verify use of approved design mix.		• Y
Prior to placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.		• Y
Inspect concrete and shotcrete placement for proper application techniques.		• Y
Inspect for maintenance of specified curing temperature and techniques.		• Y
Inspect prestressed concrete for:		
a. Application of prestressing forces		• N
b. Grouting of bonded prestressing tendons in the seismic-force-resisting system.		• N
Inspect erection of precast structural members.		• N
For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category C, D, E, or F, inspect such connections and reinforcement in the field for:		
a. Installation of the embedded parts		• N
b. Completion of the continuity of reinforcement across joints		• N
c. Completion of connections in the field		• N
Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.		• N
Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.		• N
Inspect formwork for shape, location, and dimensions of the concrete member being formed		• Y

Inspections & Testing	Continuous	Periodic	Y/N	Reference Standard or Compliance Document	Agent
1705.6 Soils					
Verify materials below shallow foundations are adequate to achieve the required bearing capacity.			• Y	Table 1705.6	1
Verify excavations are extended to proper depth and have reached proper material.			• Y		1
Perform classification and testing of compacted fill materials.			• Y		1
During fill placement, verify use of proper materials and procedures in accordance with the provisions of the approved geotechnical report. Verify densities and lift thicknesses during placement and compaction of compacted fill.			• Y		1
Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly.			• Y		1
1705.12 Wind Resistance					
Provide inspections when required by 1705.12.			• Y		1, 2
a. Structural wood				1705.12.1	
b. CFS light frame construction				1705.12.2	
c. Wind resisting components				1705.12.3	
1705.13 Seismic Resistance					
Provide inspections when required by 1705.13.			• Y		1, 2
a. Structural steel				1705.13.1	
b. Structural wood				1705.13.2	
c. CFS light frame construction				1705.13.3	
d. Designated seismic systems				1705.13.4	
e. Architectural components				1705.13.5	
f. Plumbing, Mechanical, Electrical components				1705.13.6	
g. Storage Racks				1705.13.7	
h. Seismic Isolation Systems				1705.13.8	
i. Cold-formed Steel Special Bolted Moment Frames				1705.13.9	
1705.14 Testing and Qualification for Seismic Resistance					
Test and qualify seismic resistance in accordance with 1705.14 and the project specifications.			• Y		1, 2
a. Structural Steel				1705.14.1	
b. Non-Structural Components				1705.14.2	
c. Designated Seismic Systems				1705.14.3	
d. Seismic Isolation Systems				1705.14.4	
1705.15 Sprayed Fire-Resistant Materials (SFRM)					
Inspect sprayed fire-resistant materials in accordance with 1705.15 and the project specifications.			• N		1
a. Condition of substrate					
b. Thickness of application					
c. Density					
d. Bond strength/adhesion/cohesion					
e. Condition of finished application					
1705.16 Mastic and Intumescent Fire-Resistant Coatings					
Perform inspections in accordance with AWCI 12-B and 1705.16.			• N	AWCI 12-B	1
1705.17 Exterior Insulation and Finish Systems (EIFS)					
Perform inspections in accordance with project specifications and 1705.17.			• N		1
1705.18 Fire-resistant Penetrations and Joints					
Perform inspections in accordance with project specifications and 1705.18.			• N	1705.18.1, 1705.18.2	1, 2
1705.19 Smoke Control					
Perform testing in accordance with project specifications and 1705.19.			• N		1

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SCHEDULE OF SPECIAL INSPECTIONS - 2021 IBC

S0.0.2

MOSELEY ARCHITECTS

PROGRESS PRINT NOT FOR CONSTRUCTION

GEORGETOWN COUNTY CORONER'S OFFICE

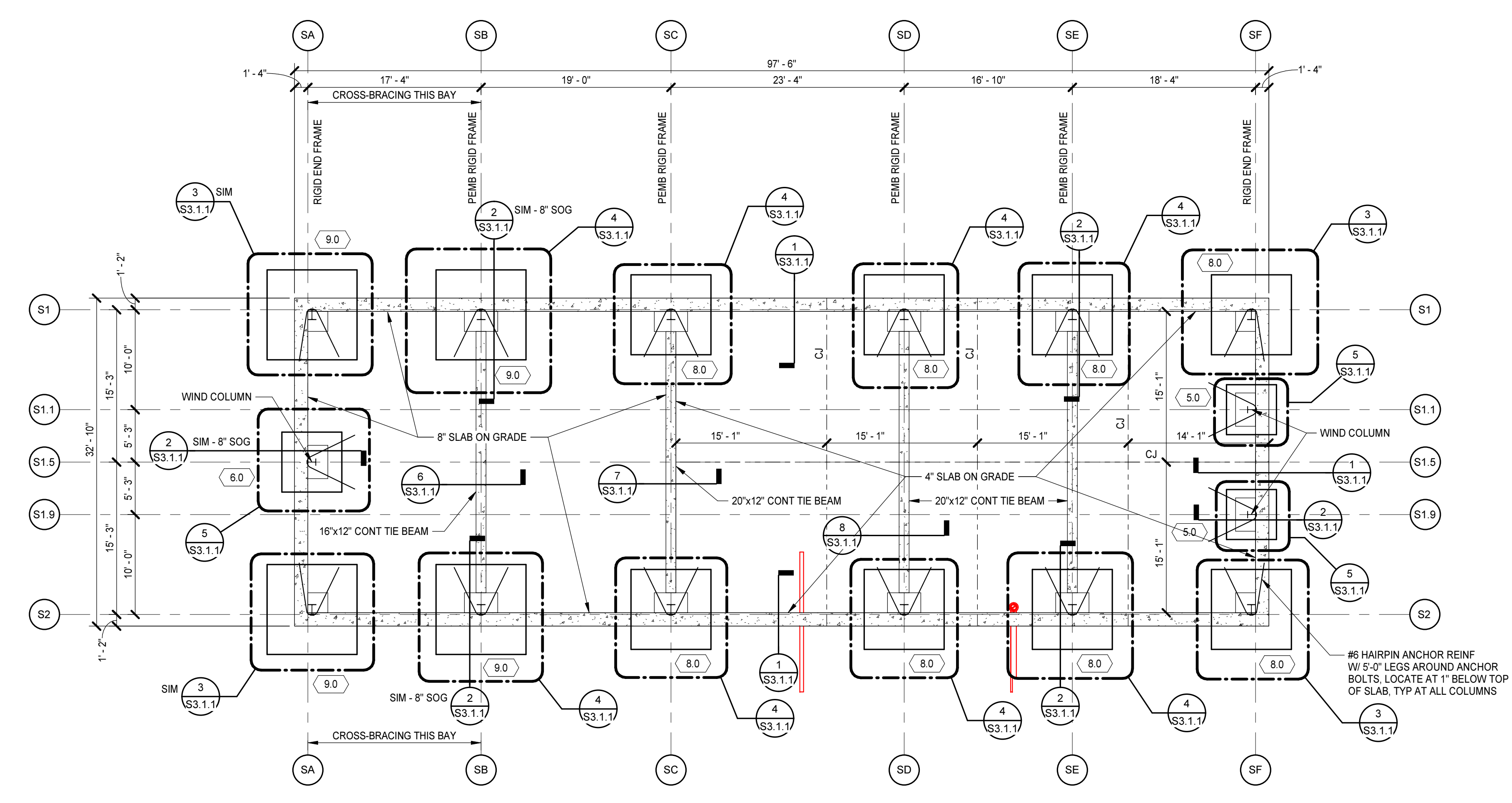
GEORGETOWN COUNTY GEORGETOWN, SOUTH CAROLINA

6210 ARDREY KELL ROAD - THE HUB AT WAWERLY, SUITE 425 - CHARLOTTE, NC 28277
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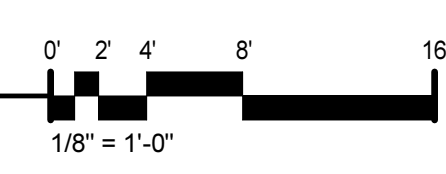
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GEORGETOWN COUNTY
GEORGETOWN, SOUTH CAROLINA



FIRST FLOOR PLAN FOUNDATION

1/8" = 1'-0"



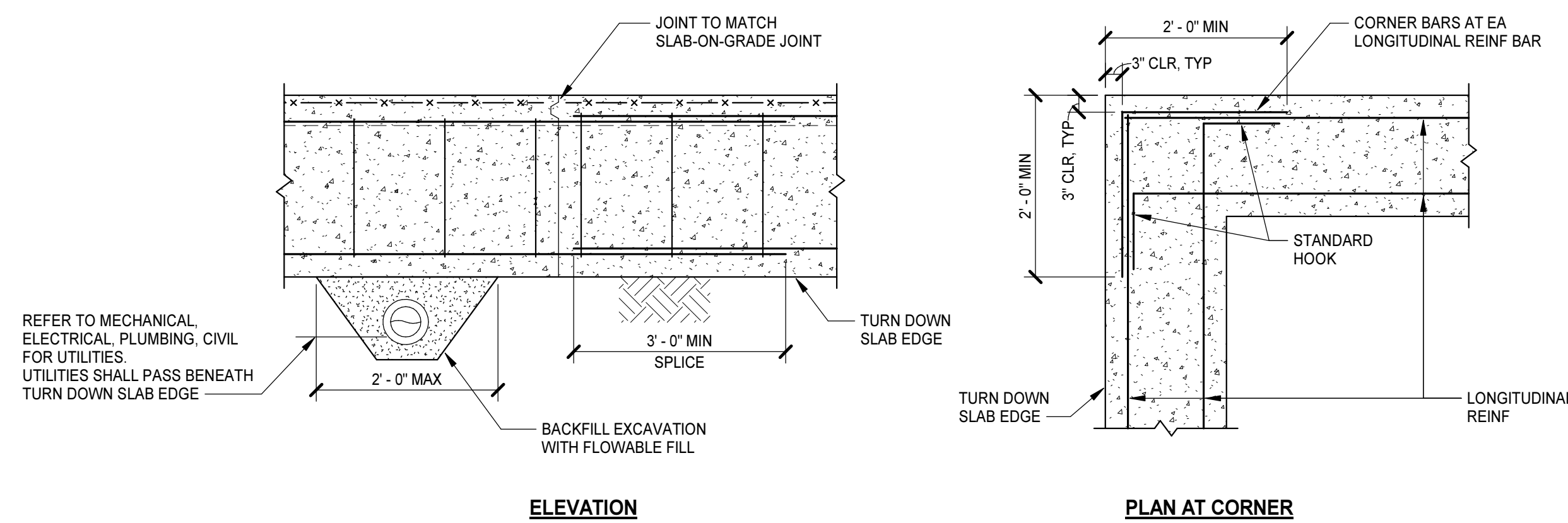
FOUNDATION PLAN NOTES:

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/2.9xW/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.

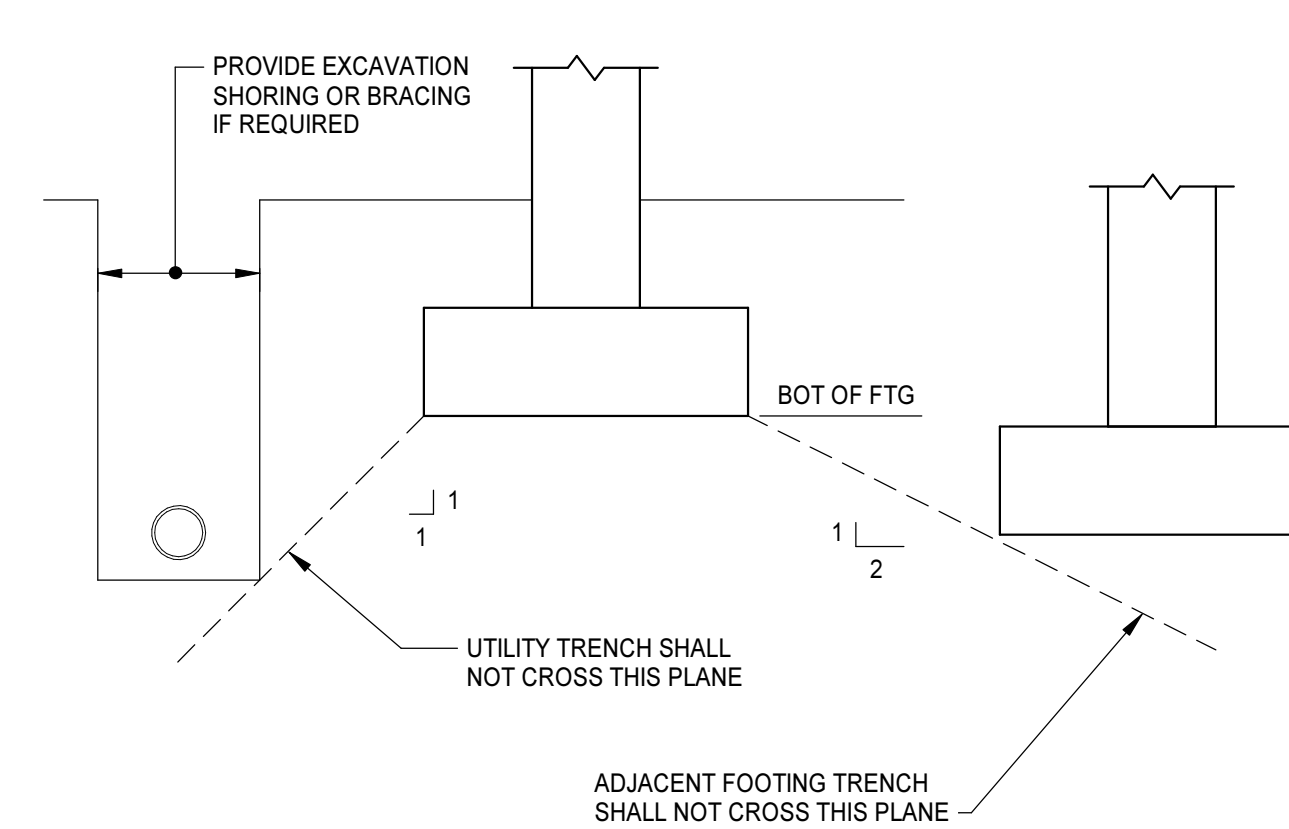
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FOUNDATION PLAN

S1.1.1

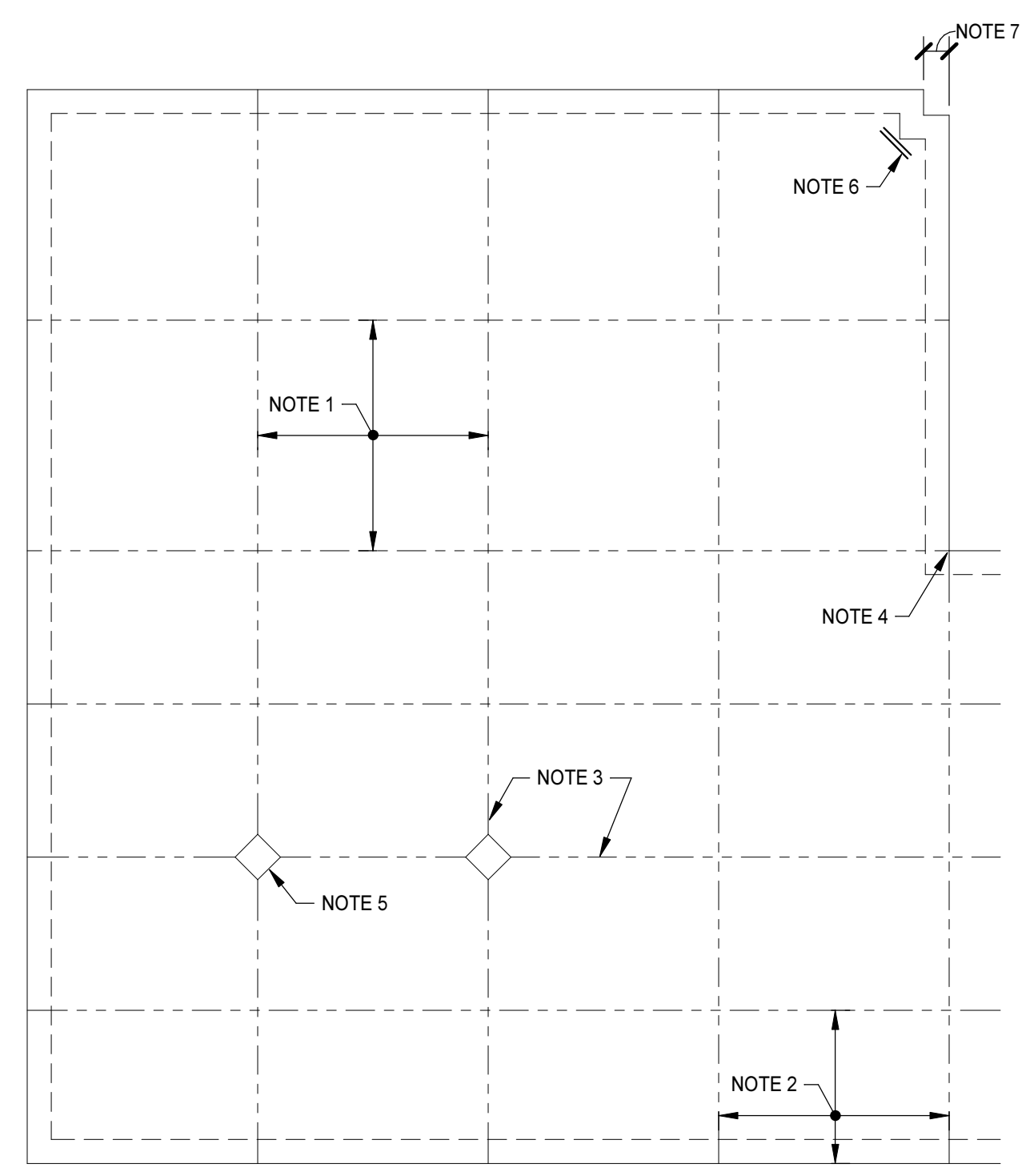


CONCRETE TURN DOWN SLAB EDGE DETAILS
NO SCALE



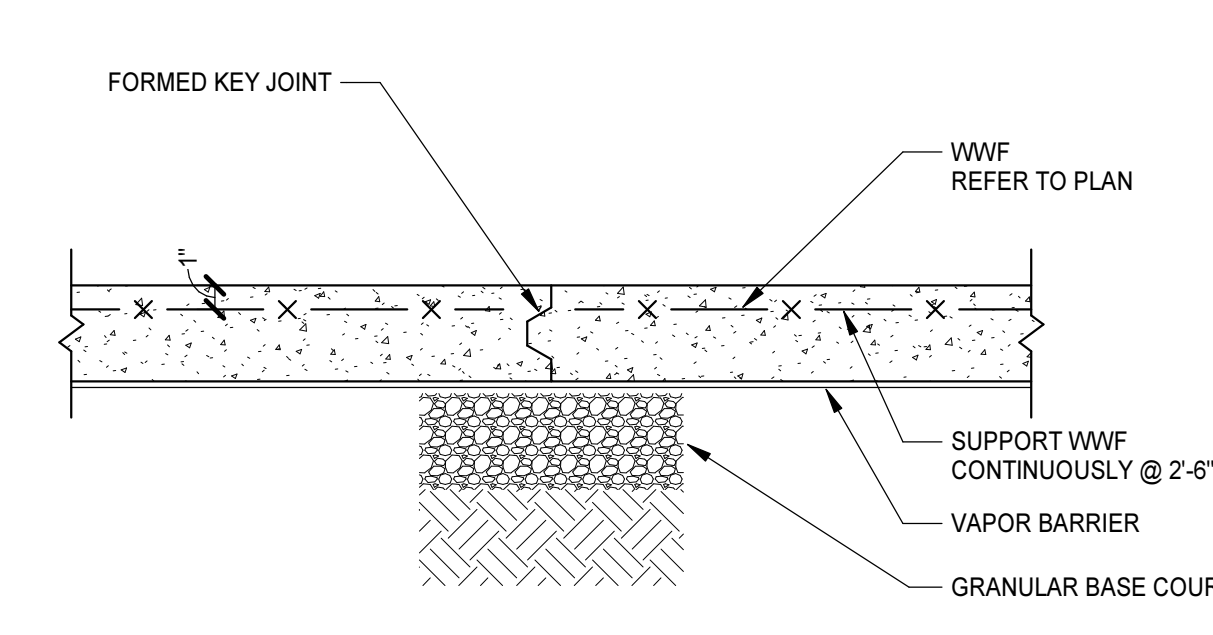
FOOTING EXCAVATION LIMITS
NO SCALE

MARK	SIZE			REINFORCING
	LENGTH	WIDTH	THICKNESS	
5.0	5'-0"	3'-0"	1'-0"	(8) #5 EA WAY BOT
6.0	6'-0"	6'-0"	1'-0"	(8) #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

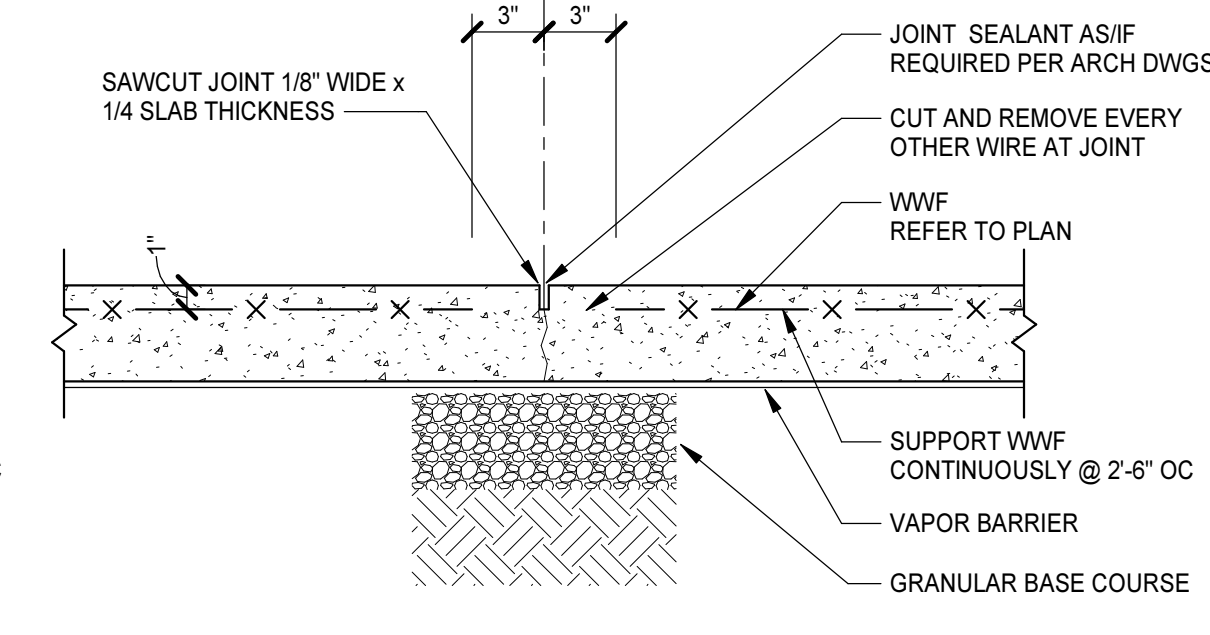


SLAB-ON-GRADE JOINT LAYOUT GUIDELINES
NO SCALE

- 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.



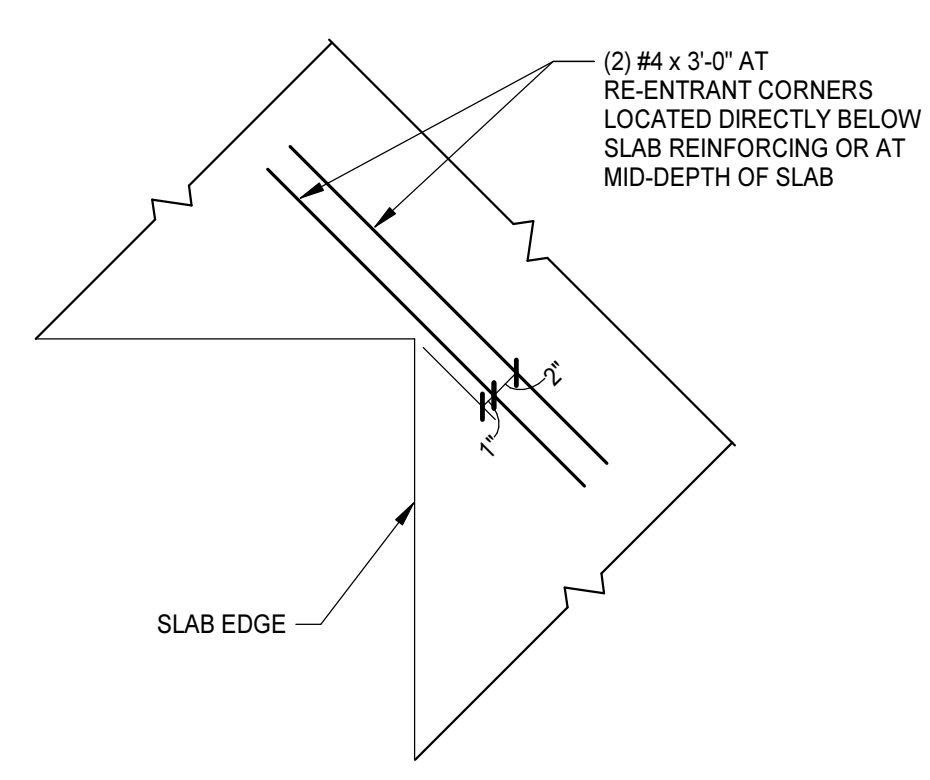
CONSTRUCTION JOINT



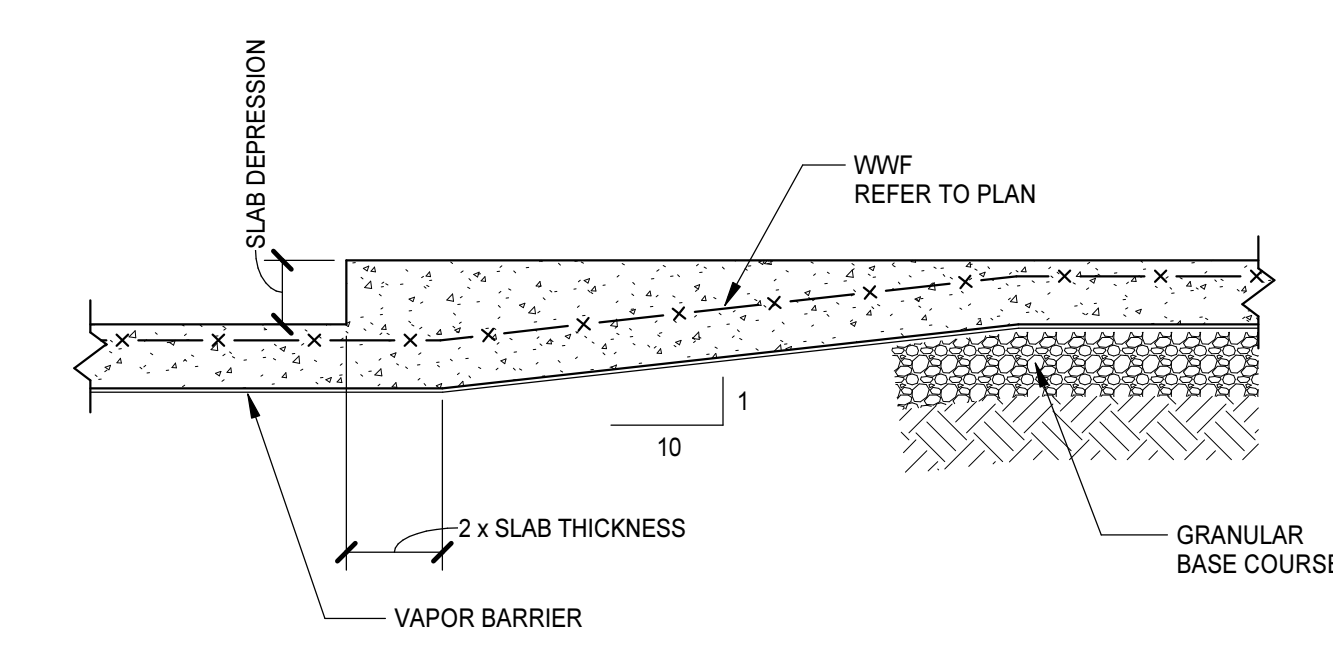
CONTROL JOINT

- 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.

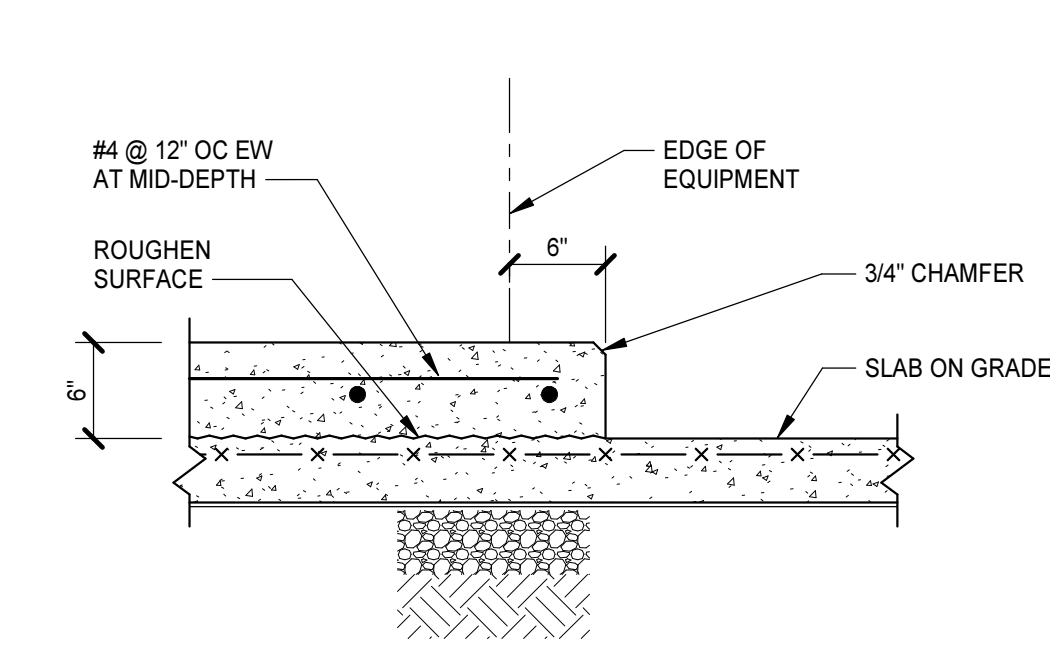
SLAB-ON-GRADE JOINT DETAILS
NO SCALE



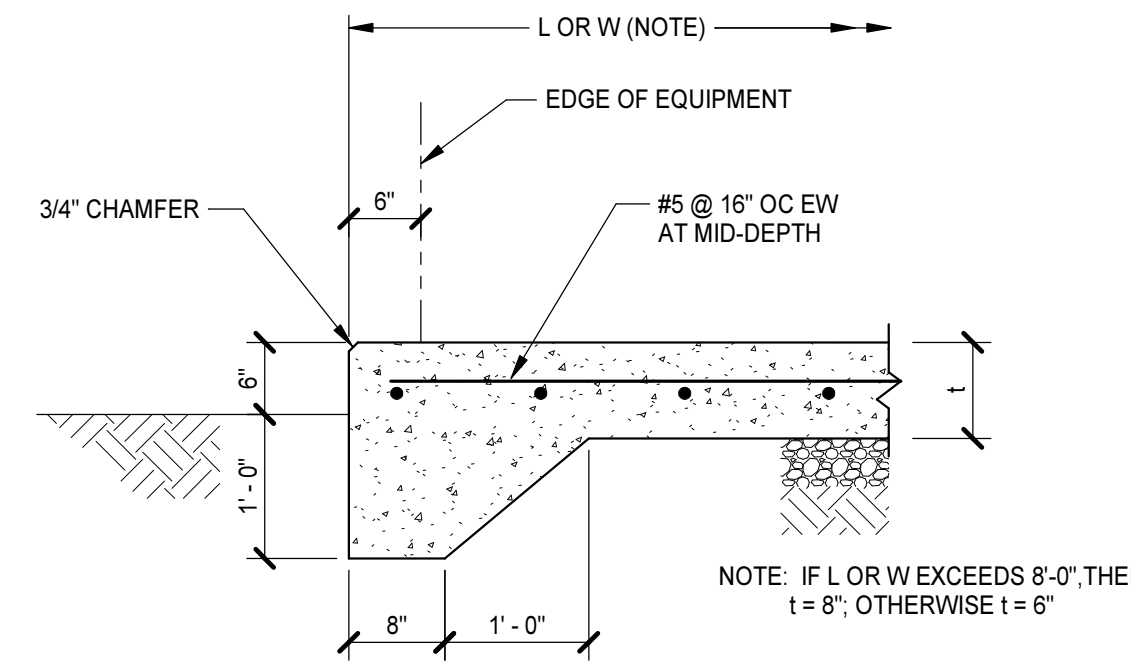
SLAB REINFORCING AT RE-ENTRANT CORNER
NO SCALE



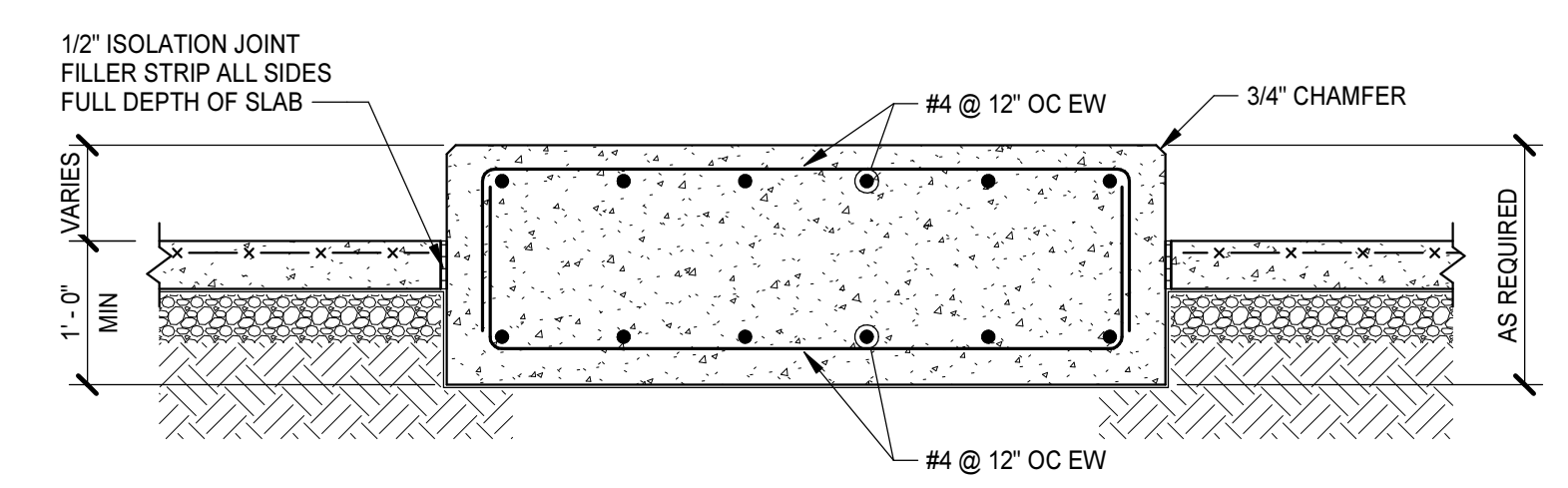
DETAIL AT SLAB DEPRESSION
NO SCALE



HOUSEKEEPING PAD



EXTERIOR EQUIPMENT PAD



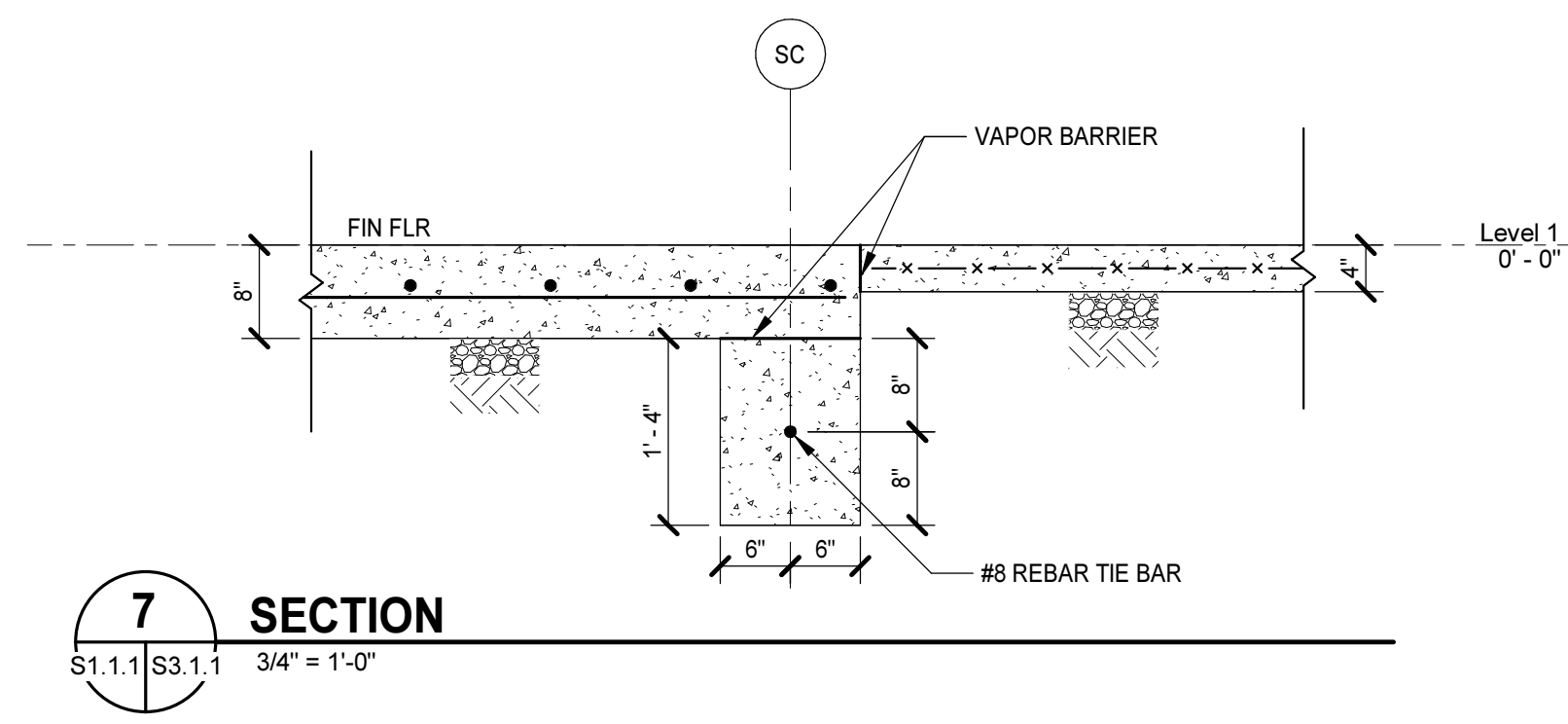
HEAVY EQUIPMENT PAD

EQUIPMENT PAD DETAILS
NO SCALE

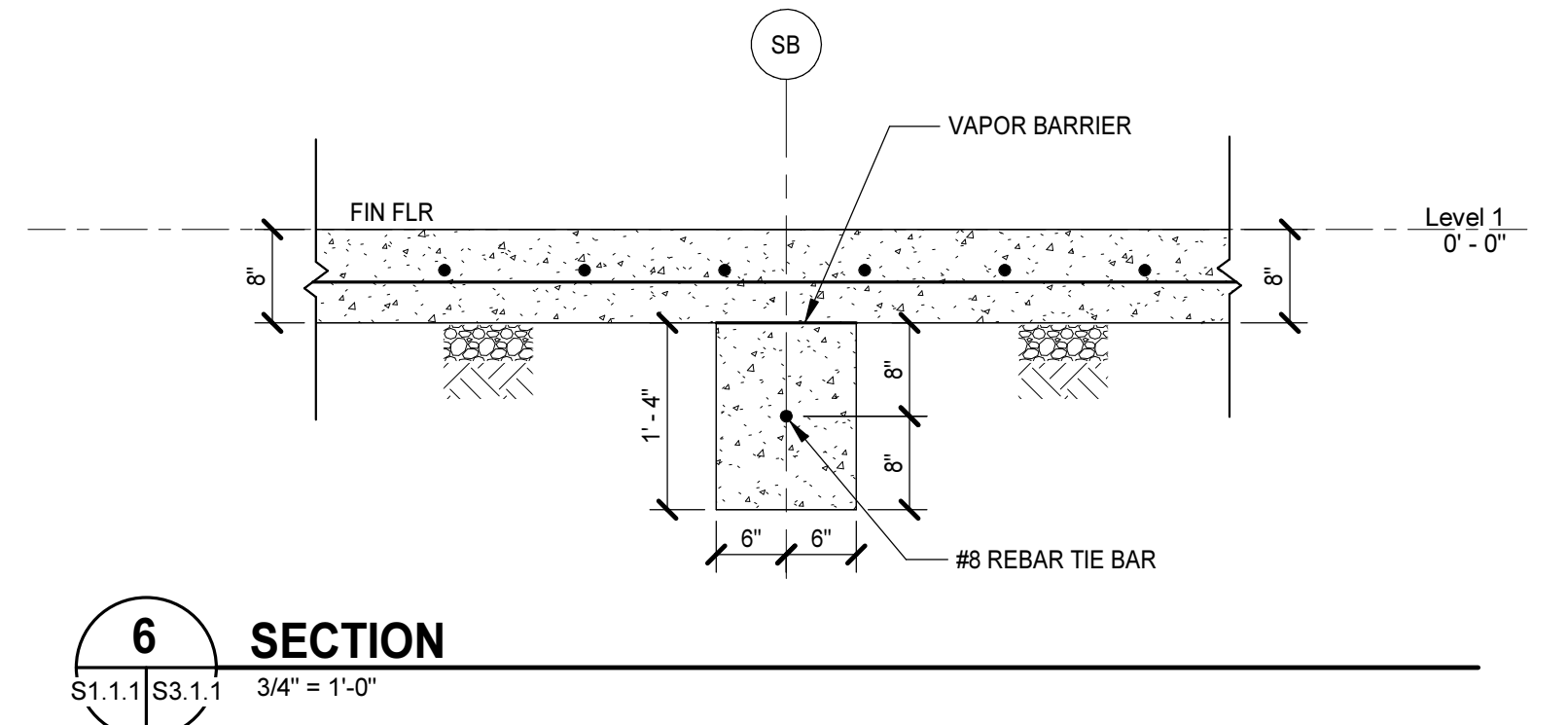
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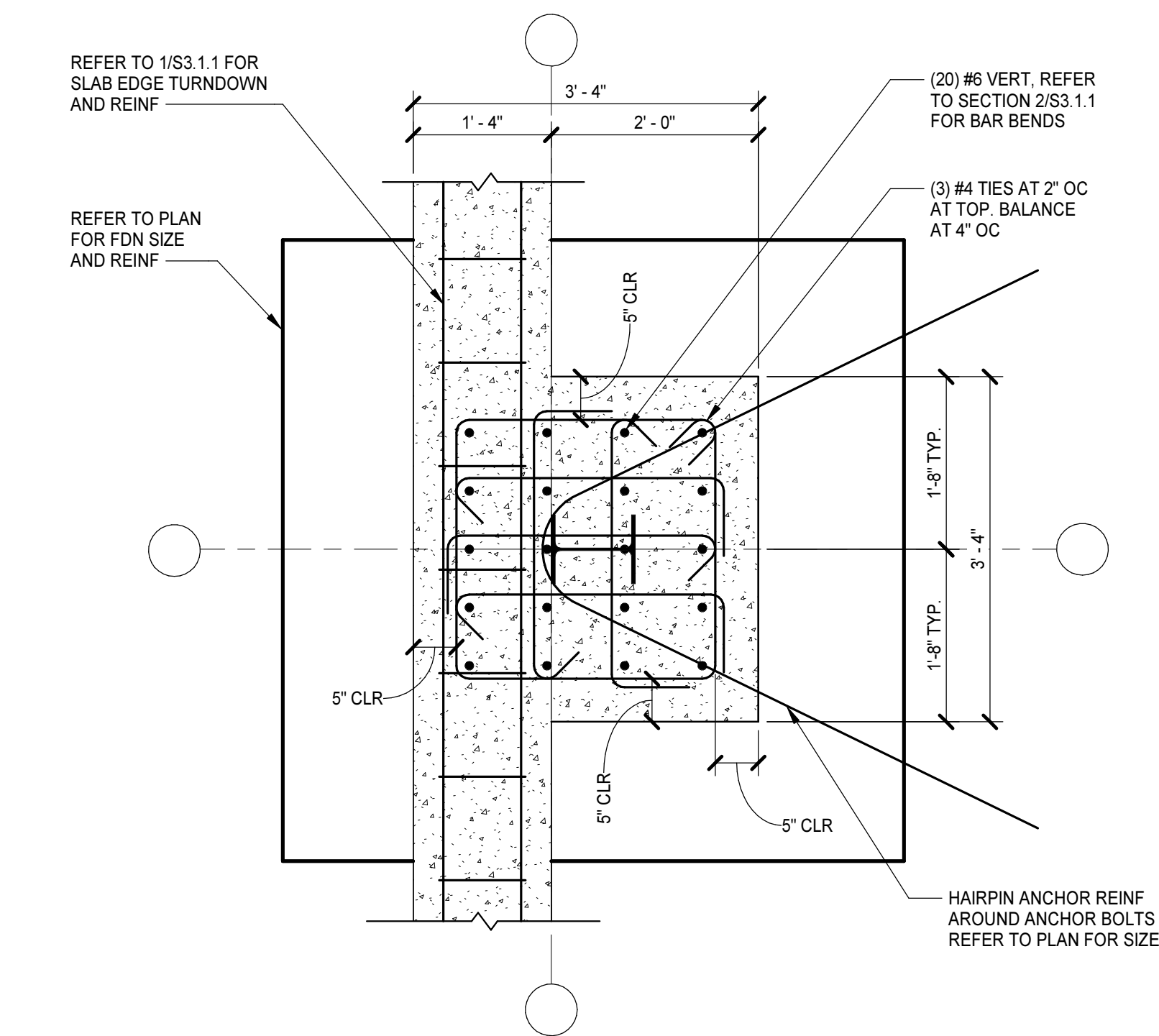
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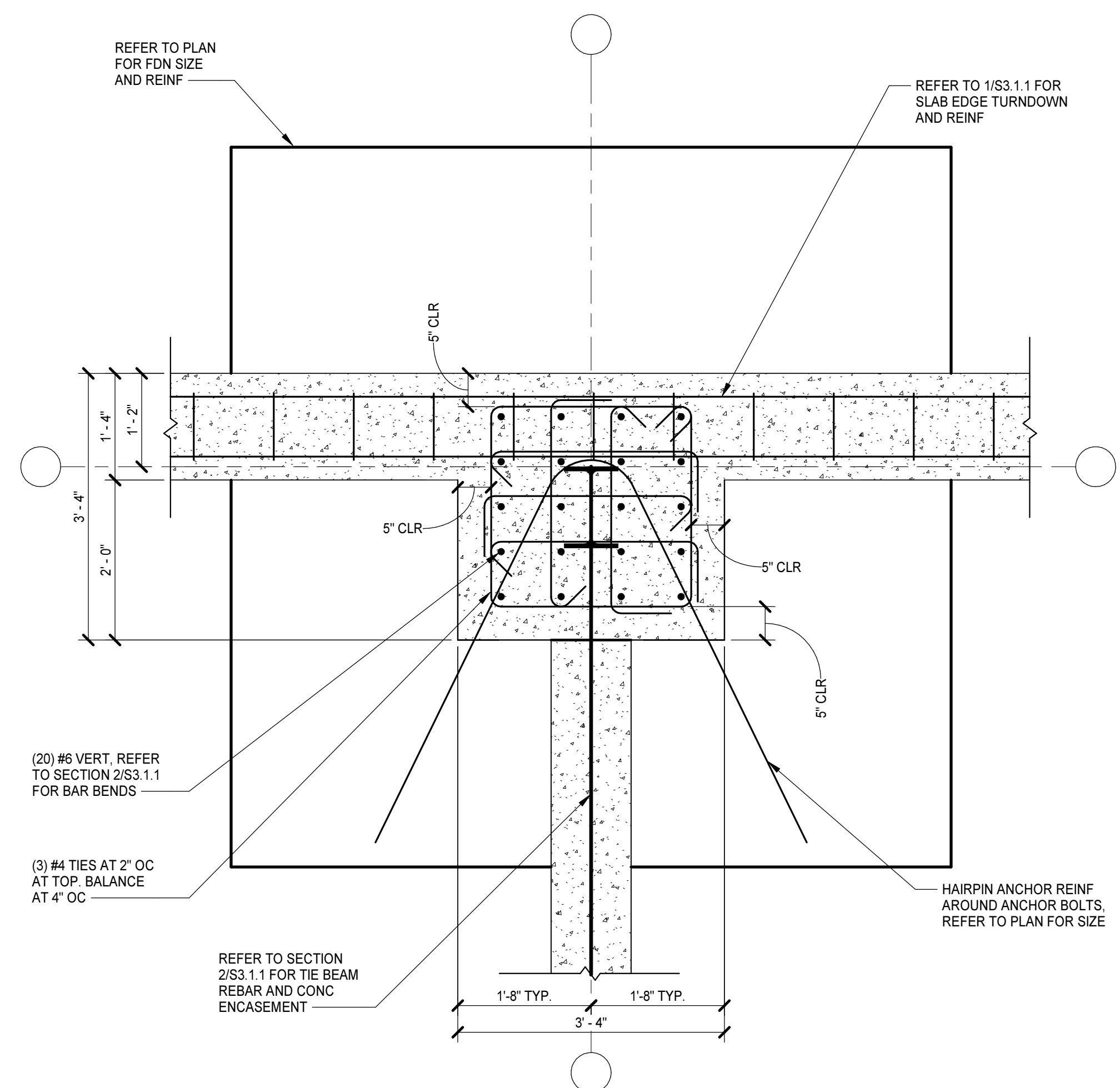
7 SECTION
S1.1.1 | S3.1.1 3/4" = 1'-0"



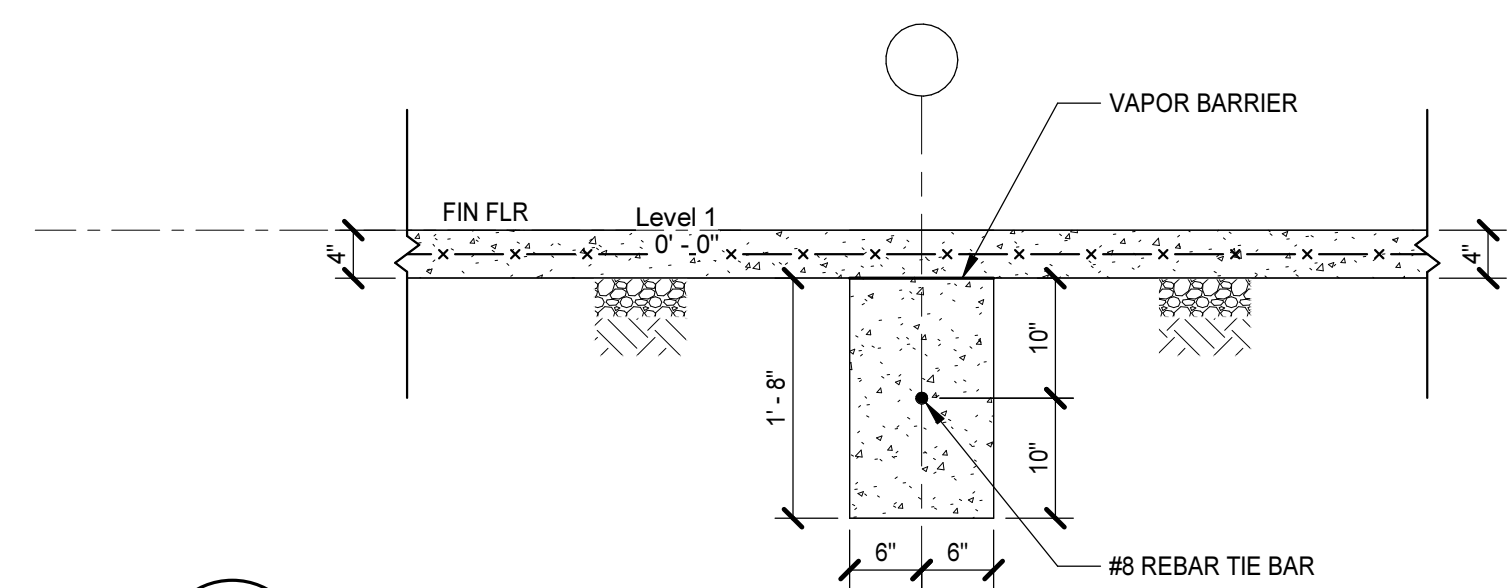
6 SECTION
S1.1.1 | S3.1.1 3/4" = 1'-0"



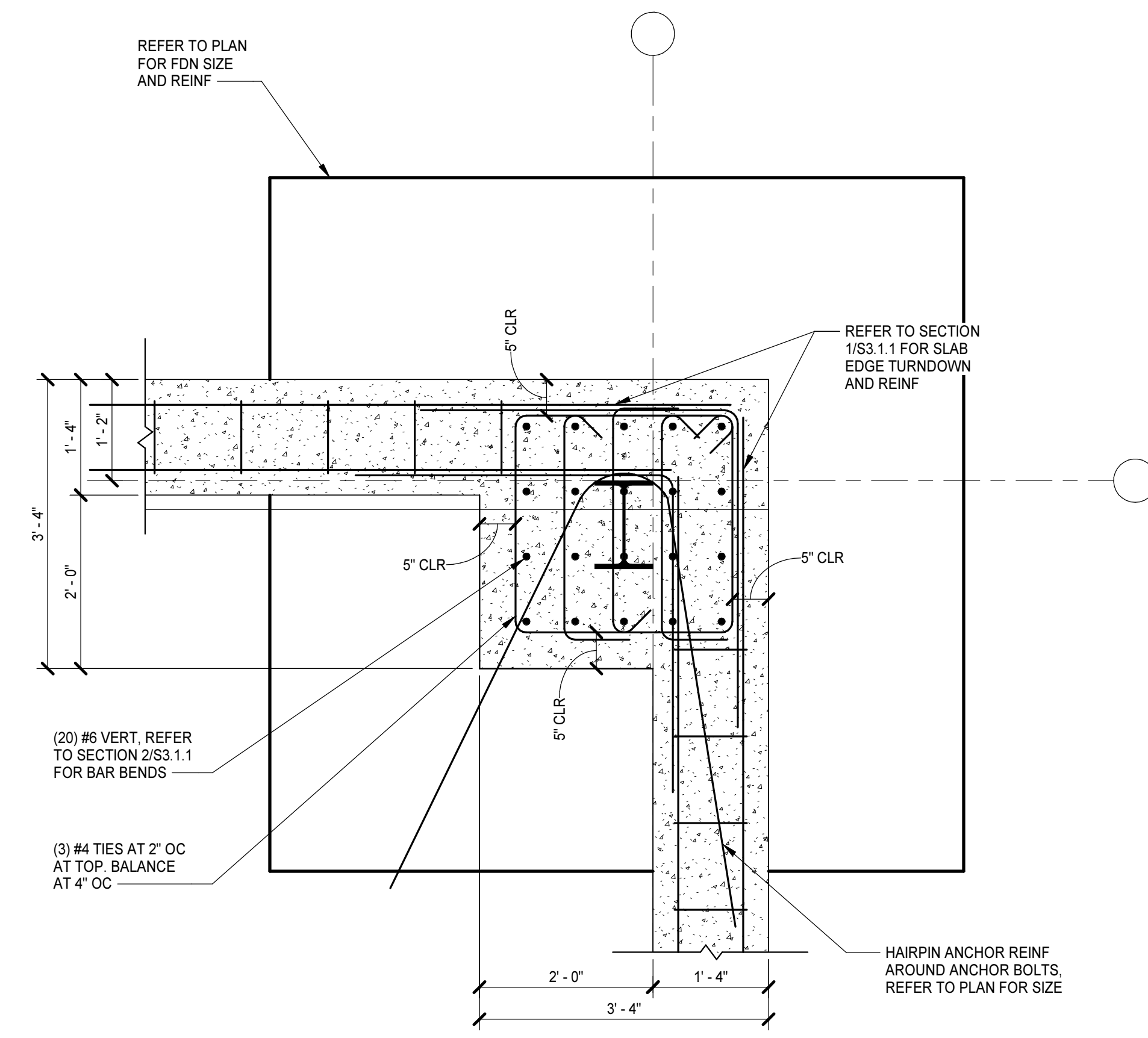
5 PLAN DETAIL
S1.1.1 | S3.1.1 3/4" = 1'-0"



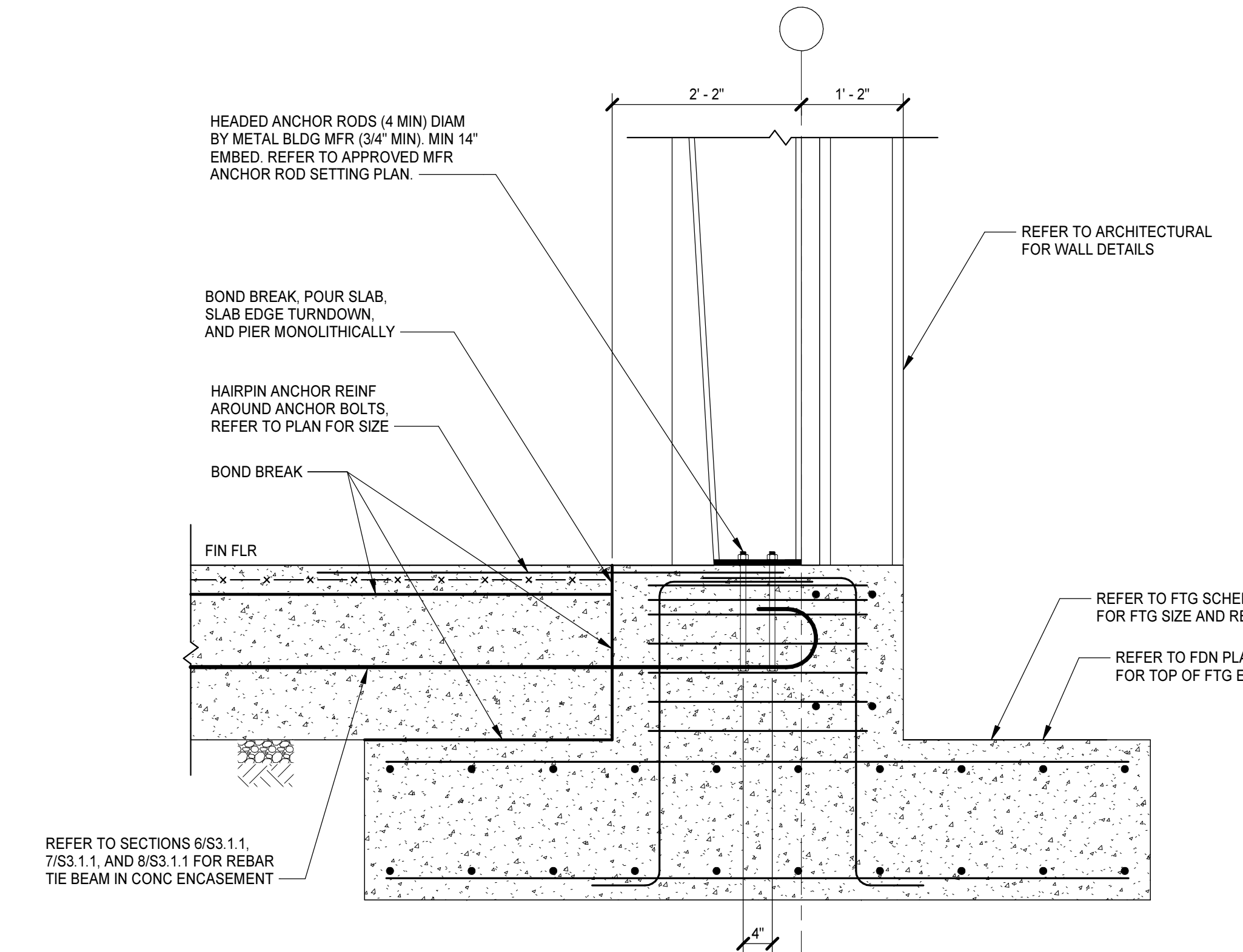
4 PLAN DETAIL
S1.1.1 | S3.1.1 3/4" = 1'-0"



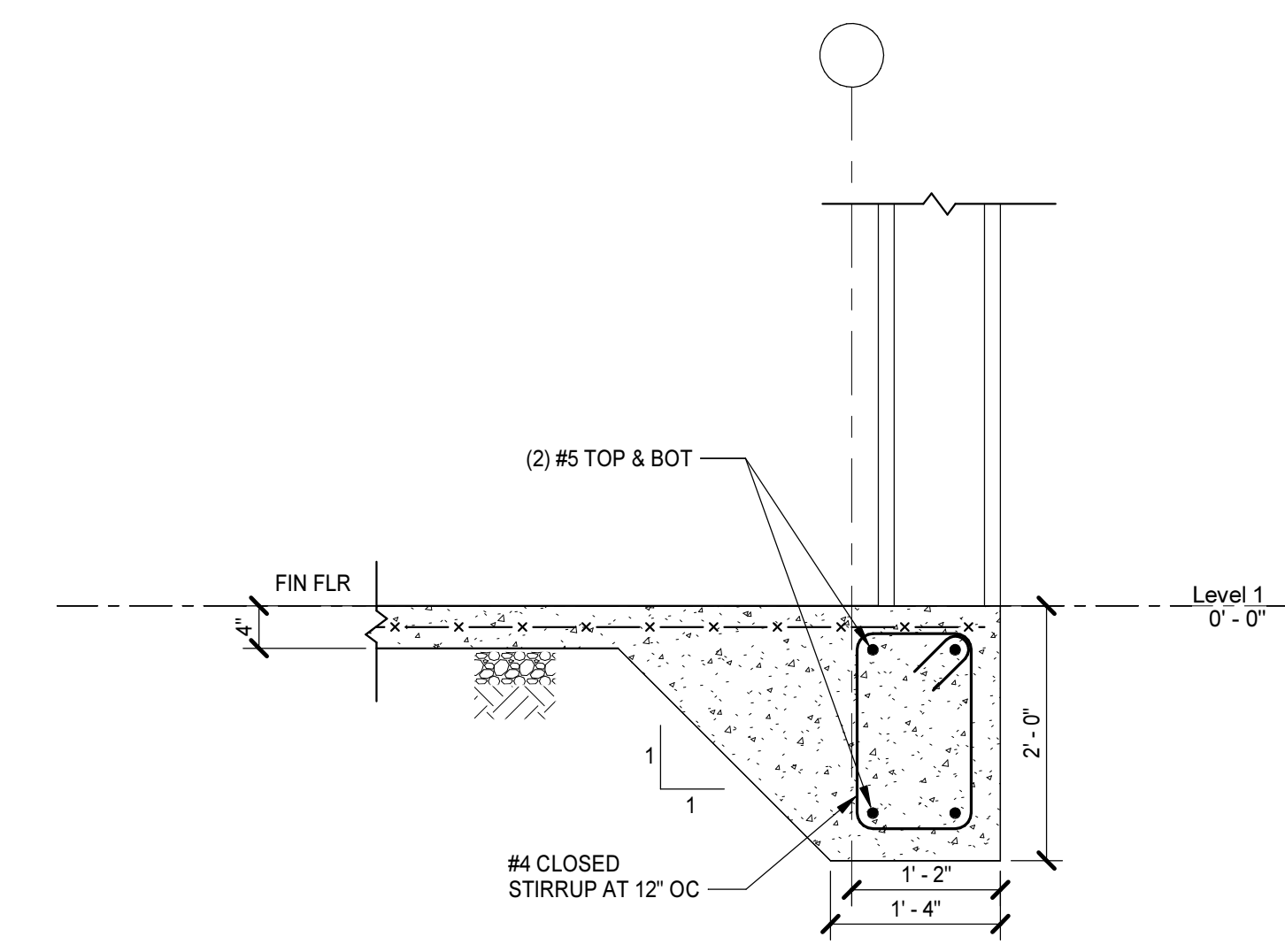
8 SECTION
S1.1.1 | S3.1.1 3/4" = 1'-0"



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

PIPE WITH SIZE AND SERVICE
 FLOW IN DIRECTION OF ARROW
 PITCH DOWN IN DIRECTION OF ARROW AT INDICATED SLOPE
 PIPE CAP
 PIPE TURNED DOWN
 PIPE TURNED UP
 PIPE TEE UP
 PIPE TEE DOWN
 UNION
 CONCENTRIC PIPE REDUCTION
 END OF LINE CLEANOUT PLUG
 FLOOR CLEANOUT
 WALL CLEANOUT
 YARD CLEANOUT (CLEANOUT TO GRADE)
 FLOOR DRAIN WITH TAG
 FLOOR SINK WITH TAG

POINT OF CONNECTION TO EXISTING
 LIMIT OF DEMOLITION
 KEYNOTE
 STRUCTURAL GRID LINE WITH DESIGNATION
 SPACE NUMBER
 BUILDING AREA (WHEN USED)
EQUIPMENT IDENTIFICATION TAG
 EQUIPMENT NUMBER
 UNIT DESIGNATION

SECTION WHERE CUT
 SECTION LETTER
 DRAWING WHERE SECTION IS INDICATED

ENLARGED PLAN WHERE CUT
 ENLARGED PLAN NUMBER
 DRAWING WHERE ENLARGED PLAN IS INDICATED

DETAIL TAG
 DETAIL NUMBER
 DRAWING WHERE DETAIL IS INDICATED

SANITARY RISER TAG
 SANITARY RISER IDENTIFIER
 DRAWING WHERE SANITARY RISER IS TAGGED

DOMESTIC RISER TAG
 DOMESTIC RISER IDENTIFIER
 DRAWING WHERE DOMESTIC RISER IS TAGGED

DETAIL TITLE
 DETAIL NUMBER
 DRAWING WHERE DETAIL IS INDICATED
 ADDITIONAL DRAWING REFERENCES

S1 SANITARY RISER DIAGRAM
 SANITARY RISER DIAGRAM IDENTIFIER
 DRAWING WHERE SANITARY RISER IS INDICATED
 DRAWING WHERE SANITARY RISER IS TAGGED
 ADDITIONAL DRAWING REFERENCES

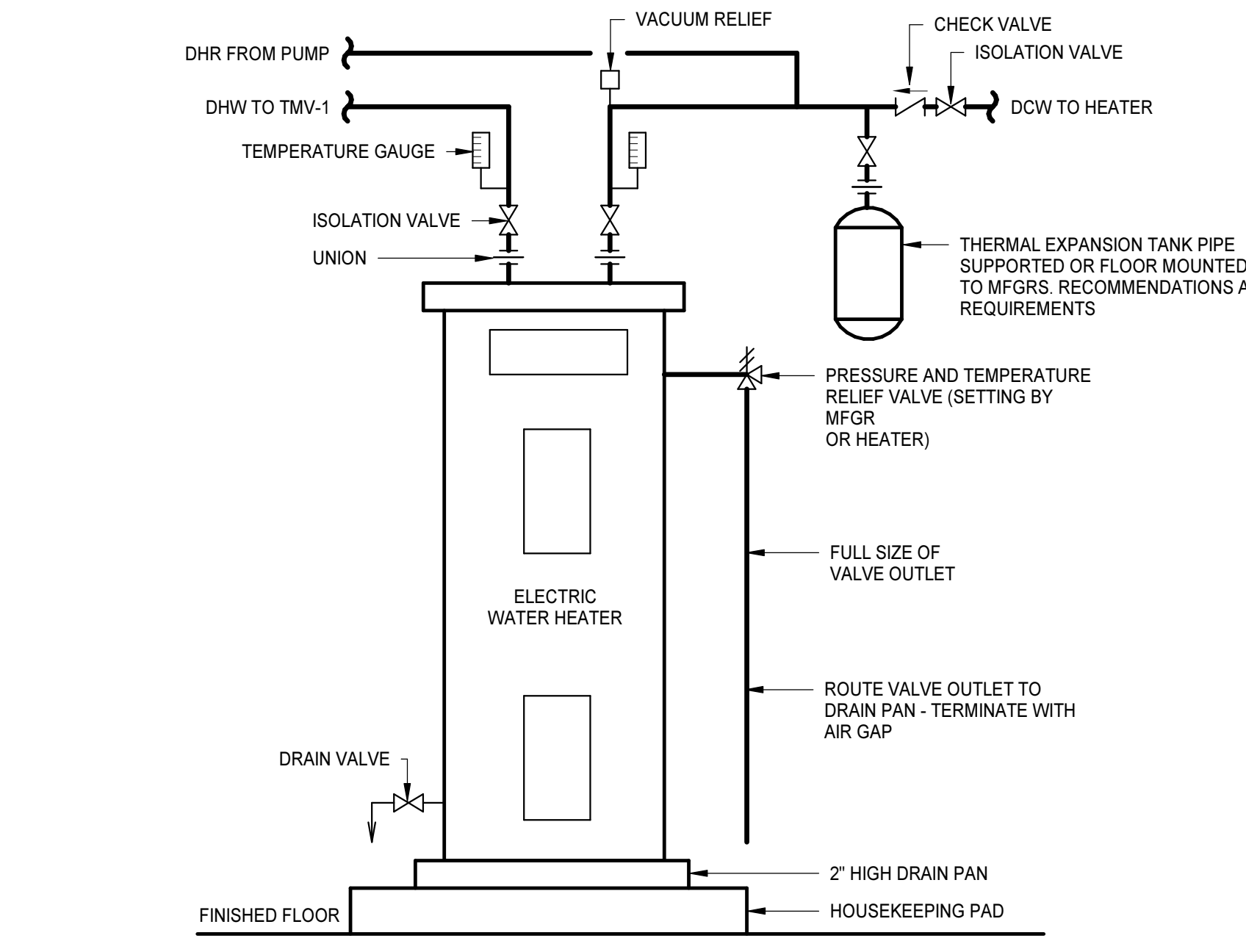
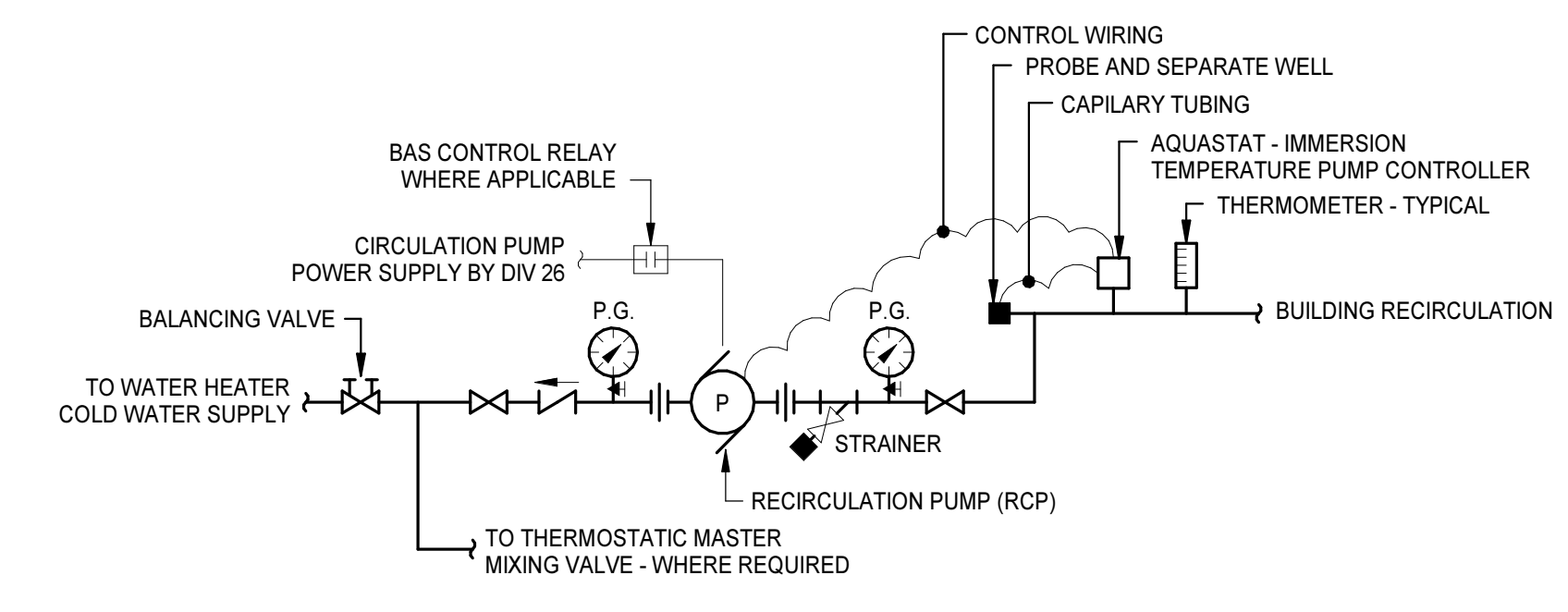
D1 DOMESTIC RISER DIAGRAM
 DOMESTIC RISER DIAGRAM IDENTIFIER
 DRAWING WHERE DOMESTIC RISER IS INDICATED
 DRAWING WHERE DOMESTIC RISER IS TAGGED
 ADDITIONAL DRAWING REFERENCES

G1 FUEL GAS RISER DIAGRAM
 FUEL GAS RISER DIAGRAM IDENTIFIER
 DRAWING WHERE FUEL GAS RISER IS INDICATED
 DRAWING WHERE FUEL GAS RISER IS TAGGED
 ADDITIONAL DRAWING REFERENCES

LIQUID FILLED THERMOMETER
 WATER HAMMER ARRESTOR (PLUMBING & DRAINAGE INSTITUTE SIZE INDICATED)
 FLOW SWITCH
 TEMPERATURE/PRESSURE PLUG
 VALVE
 VALVE IN RISER
 GAS COCK
 VENTURI FLOW METER
 MANUAL BALANCING VALVE
 AUTOMATIC BALANCING VALVE WITH FLOW TAPS
 SWING CHECK VALVE
 PRESSURE REDUCING VALVE
 SOLENOID OPERATED VALVE
 TEMPERATURE AND PRESSURE RELIEF VALVE
 BACKWATER VALVE
 HOSE BIBB OR WALL HYDRANT
 REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
 DOUBLE CHECK BACKFLOW PREVENTER
 PUMP

ABBREVIATIONS

@	AT	EVC	ELECTRIC WATER COOLER	OSD	OPEN SITE DRAIN
AAV	AIR ADMITTANCE VALVE	EVH	ELECTRIC WATER HEATER	PC	PRECAST
ABV	ABOVE FINISHED FLOOR	EXP	EXPANSION	PCF	POUNDS PER CUBIC FOOT
AC-X	AIR COMPRESSOR DESIGNATION	FD	FLOOR CLEANOUT	PD	PUMP DISCHARGE
ADJ	ADJUSTABLE	FD	FLOOR DRAIN	PLUMB	PLUMBING
ADNL	ADDITIONAL	FDC	FIRE DEPARTMENT CONNECTION	PLYWD	PLYWOOD
AF	ABOVE FINISHED FLOOR	FF	FINISHED FLOOR ELEVATION	POLY	POLYETHYLENE
AFS	ABOVE FINISHED FLOOR	FFE	FINISHED FLOOR ELEVATION	PPT	PRESSURE PRESERVATIVE TREATED
AHU	AIR HANDLING UNIT	FG	FIRE GRADE	PREFAB	PREFABRICATE(D)
ALT	ALTERNATE	FH	FIRE HYDRANT	PROJ	PROJECT
ALUM	ALUMINUM	FHC	FIRE HOSE CABINET	PSF	POUNDS PER SQUARE FOOT
AP	ACCESS PANEL	FHS	FIRE HOSE STATION	PSI	POUNDS PER SQUARE INCH
APPR	APPROXIMATE	FHVC	FIRE HOSE VALVE CABINET	PV	PROPANE VENT
ARCH	ARCHITECTURAL	FX	FIXTURE	PVC	POLYVINYL CHLORIDE
AUTO	AUTOMATIC	FLR	FLOOR	PVMT	PAVEMENT
AVG	AVERAGE	FLSHG	FLASHING	R	RISER
BFF	BELOW FINISHED FLOOR	FOR	FUEL OIL RETURN	RAD	RADIUS
BFG	BELOW FINISHED GRADE	FOS	FUEL OIL SUPPLY	RD-X	RECIRCULATION PUMP DESIGNATION
BLDG	BUILDING	FOV	FUEL OIL VENT	RO	ROUGH OPENING
BO	BOTTOM OF	FSD	FOUNDATION SUB-DRAIN	ROD	RODION VENT
BTM	BOTTOM	FS	FLOOR SINK	RDS	REQUIREMENTS
BSMT	BASINMENT	FSD	FOUNDATION SUB-DRAIN	REF	REFERENCE
BTWN	BETWEEN	FT	FOOT OR FEET	REQD	REQUIRED
CA	COMPRESSED AIR	FV	FIRE VALVE CABINET	REQM	REQUIREMENTS
CI	CAST IRON	G	GAS	RL	RAIN LEADER
CP	CAST-IN-PLACE CONCRETE	GCD	GAS CLEANOUT	RM	ROOM
CL	CENTERLINE	GWH	GAS WATER HEATER	RO	ROUGH OPENING
CLG	CEILING	HB	HOSE BIBB	RV	RADIANT VENT
CLR	CLEAR	HORIZ	HORIZONTAL	S	SOUTH
CMP	CORRUGATED METAL PIPE	HP	HORSEPOWER	SAN	SANITARY
CNTR	COUNTER	HRX	HOSE REEL DESIGNATION	SCH	SCHEDULE
CO	CLEANOUT	HTG	HOT WATER	SD	STORM DRAINAGE PIPING
COL	COLUMN	HW	HOT WATER	SDN	STORM DRAIN NOZZLE
CONC	CONCRETE	HWR	HOT WATER RETURN	SF	SQUARE FOOT/FEET
CONDS	CONDENSATE	HWS	HOT WATER SUPPLY	SHT	SHEET
CONSTR	CONSTRUCTION	ID	INSIDE DIAMETER	SI	SIMILAR
CONTR	CONTRACT-(OR)	IN	INCH	SLT	SEALANT
CORR	CORRIDOR	INSUL	INSULATE OR INSULATION	SOG	SLAB ON GRADE
CP	CIRCULATING PUMP	JAN	JANITOR	SP	SUMP PUMP
CR	CLASSROOM	KIT	KITCHEN	SQ	SQUARE
CT	COOLING TOWER	KW	KITCHEN WASTE	SRD	SECONDARY ROOF DRAIN
CU	COPPER	LAB	LABORATORY	SS	STAINLESS STEEL
CU FT	CUBIC FEET	LAV	LAVATORY	SSD	SECONDARY STORM DRAINAGE PIPING
CU YD	CUBIC YARD	LBS	POUNDS	STD	STANDARD
CW	COLD WATER	LF	LINEAR FOOT (FEET)	STL	STEEL
DB	DRY BULB	LP	PROPANE	STOR	STORAGE
DCW	DOMESTIC COLD WATER	LPV	PROPANE VENT	STRUCT	STRUCTURAL
DEMO	DEMOLISH OR DEMOLITION	MATL	MATERIAL	SUSP	SUSPENDED
DHR	DOMESTIC HOT WATER RETURN	MAX	MAXIMUM	TD	TRENCH DRAIN
DHR(140)	DOMESTIC HOT WATER RETURN (140°)	MECH	MECHANICAL	THK	THICKNESS
DHW	DOMESTIC HOT WATER	MED	MEDIUM	TLT	THERMOSTATIC MIXING VALVE
DHW(140)	DOMESTIC HOT WATER (140°)	MFR	MANUFACTURER	TMV	TOP OF SLAB
DI	DIAMETER	MH	MANHOLE	TW	DOMESTIC TEMPERED WATER (80° F)
DIP	DUCTILE IRON PIPE	MN	MINIMUM	TY	TYPICAL
DN	DOWN	MISC	MISCELLANEOUS	UG	UNDERGROUND
DR-X	COMPRESSED AIR DRYER DESIGNATION	MTD	MOUNTED	UNO	UNLESS NOTED (INDICATED) OTHERWISE
DR	DOWN	N	NORTH	V	VENT
DR-X	COMPRESSED AIR DRYER DESIGNATION	N/A	NOT APPLICABLE/AVAILABLE	VAC	VACUUM
DR	DOWN	NC	NORMALLY CLOSED	VAC	VACUUM
DT	DRAIN TILE	NG	NATURAL GAS	VAC	VACUUM BREAKER
DTL	DETAIL	NGV	NATURAL GAS VENT	VERT	VERTICAL
DTW	DOMESTIC TEMPERED WATER	NIC	NOT IN CONTRACT	VTR	VENT THROUGH ROOF
DWG	DRAWING	NO	NORMALLY OPEN	W	WEST
DWP	DOMESTIC WATER BOOSTER PUMP	NO. (#)	NUMBER	WB	WITHOUT
E	EAST	NGM	NOMINAL	WO	WATER HAMMER ARRESTER
ED	EMERGENCY SECONDARY ROOF DRAIN	OC	ON CENTER	WC	WATER CLOSET
ELEC	ELECTRICAL	OD	OUTSIDE DIAMETER	WCO	WALL CLEANOUT
ELEV	ELEVATION	OFI	OWNER FURNISHED CONTRACTOR INSTALLED	WCS	WATER SOURCE HEAT PUMP
EPBD	ELECTRICAL PANELBOARD	OFF	OFFICE	WSP	WELDED WIRE MESH
EQ	EQUAL	OH	OVERHEAD	WWF	WELDED WIRE FABRIC
EQUIP	EQUIPMENT	OPNG	OPENING	WWM	WELDED WIRE MESH
ETR	EXISTING TO REMAIN	OPP	OPPOSITE	XFMR	TRANSFORMER



PUMP SCHEDULE

TAG	BASIS OF DESIGN		LOCATION	SYSTEM TYPE	AREA SERVED	PUMP TYPE	OPERATING DATA				ELECTRICAL DATA			CONNECTION SIZE		NOTES	
	MANUFACTURER	MODEL					FLOW (GPM)	PRESSURE (FEET OF HEAD)	EFFICIENCY	POWER (HP)	SPEED (RPM)	VOLTS	PHASE	HERTZ	INLET (IN)		OUTLET (IN)
RCP-3	GRUNDFOS	MAGNA3 32-60 F N	MECHANICAL Z110	HOT WATER (130F) RECIRCULATION	BUILDING	CIRCULATION	5.00	6.11	16%	0.389	VARI	120	1	60	0.75	0.75	1. PROVIDE PACKAGED DUPLEX VARIABLE SPEED DOMESTIC WATER BOOSTER PUMP ASSEMBLY WITH EACH PUMP SIZED FOR 100% OF THE INDICATED OPERATING FLOW WITH VFD CONTROL. EACH PUMP SIZED FOR 262 GPM AT 78' TDH 20PSI BOOST WITH AN OUTLET PRESSURE SETTING OF 80PSI MAXIMUM TO THE BUILDING DOMESTIC WATER SYSTEM.

ELECTRIC WATER HEATER SCHEDULE

TAG	BASIS OF DESIGN		CAPACITY (GALLONS)	RECOVERY RATE (GPH)	TEMPERATURE RISE (°F)	ELECTRICAL DATA				TEMPERATURE SETTING (°F)	NOTES		
	MANUFACTURER	MODEL				INPUT RATE (AMPS)	INPUT RATE (WATTS)	VOLTAGE	PHASE			HERTZ	
EW-1	RHEEM	ELD40-TB	40	30	80	57.60	12	208	3	60	130	1	1. KW INPUT RATE FOR ELECTRIC WATER HEATERS BASED ON FULL LOAD SIMULTANEOUS OPERATION

THERMOSTATIC MIXING VALVE SCHEDULE

TAG	BASIS OF DESIGN		DESIGN FLOW (GPM)	FLOW RANGE (GPM)	MAX. P. D. AT DESIGN FLOW	HW SYSTEM TEMPERATURES		CONNECTION SIZES		NOTES
	MANUFACTURER	MODEL				INLET	OUTLET	INLET	OUTLET	
TMV-1	ACORN CONTROLS	MV17-2	20	0.5 - 45	10 PSI	120°F	105°F	0.75	1	2. PROVIDE THERMOSTATIC MIXING VALVE ASSEMBLY WITH LOCKABLE, STAINLESS STEEL, RECESSED WALL MOUNTED CABINET AND T/P GAUGES ON INLETS AND OUTLET. INSTALL THERMOSTATIC MIXING VALVE ASSEMBLY ON WALL MOUNTED STEEL SUPPORT RACK.

DRAIN AND CLEANOUT SCHEDULE

TAG	BASIS OF DESIGN		STRAINER/GRATE	NOTES
	MANUFACTURER	MODEL		
DRAINS				
FD-1	JOSAM	30000-6S-2-PD-VP-X	6" x 6"	1.2
FD-2	JOSAM	60817	12-1/2" x 24-1/2"	OIL & SEDIMENT SEPARATOR DRAIN
FCO	JOSAM	55000-SS-SD-41-VP-Z	N/A	2
GCO	JOSAM	5500-1-SD-41-VP-Z	N/A	2
1. PROVIDE ALL FLOOR DRAINS CONNECTED TO THE SANITARY SEWER SYSTEM WITH TRAP GUARD INSERTS UNLESS OTHERWISE NOTED.				
2. ALL SANITARY DRAINS AND CLEANOUTS TO HAVE ADJUSTABLE HEIGHT TOP.				

PLUMBING FIXTURE ROUGHING-IN SCHEDULE

TAG	FIXTURE	HEIGHT A.F.F.	PIPE SIZE					NOTES
			COLD WATER	TEPID WATER	HOT WATER	VENT	SOIL WASTE	
LA-1	LAVATORY - (ACCESSIBLE) MANUAL	RIM AT 34" ABOVE FINISHED FLOOR	1/2"	N/A	1/2"	1-1/2"	2"	1.3
MB-1	MOP BASIN (32"x32")	FLOOR MOUNTED	3/4"	N/A	3/4"	2"	3"	
SH-1	SHOWER (ACCESSIBLE)	CONTROLS AT 48" SHOWERHEAD AT 49" & 72"	1/2"	N/A	1/2"	1-1/2"	2"	1.3
SK-1	SINK (SINGLE COMPARTMENT)	COUNTER MOUNTED	1/2"	N/A	1/2"	1-1/2"	2"	1
SK-2	SINK - UTILITY	FLOOR MOUNTED	1/2"	N/A	1/2"	1-1/2"	2"	1
WC-1	FLOOR MOUNTED WATER CLOSET - (ACCESSIBLE) MANUAL	TOP OF SEAT 17-19"	1"	N/A	N/A	2"	4"	1.2
WH-1	WALL HYDRANT (FREEZE RESISTANT BOX)	18" ABOVE FINISHED GRADE OR ROOF	3/4"	N/A	N/A	N/A	N/A	
WSB-1	WATER SUPPLY BOX (ICE MAKER)	BOTTOM 24" ABOVE FINISHED FLOOR	1/2"	N/A	N/A	N/A	N/A	
NOTES: 1. THIS ACCESSIBLE FIXTURE, ACCESSORIES, AND INSTALLATION SHALL COMPLY TO ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES STANDARDS. 2. LOCATE FLUSH ACTUATORS ON WIDE SIDE OF STALLS OR APPROACH AREAS. 3. PROVIDE ASSE 1016 CERTIFIED MIXING VALVE.								

BACKFLOW PREVENTER SCHEDULE

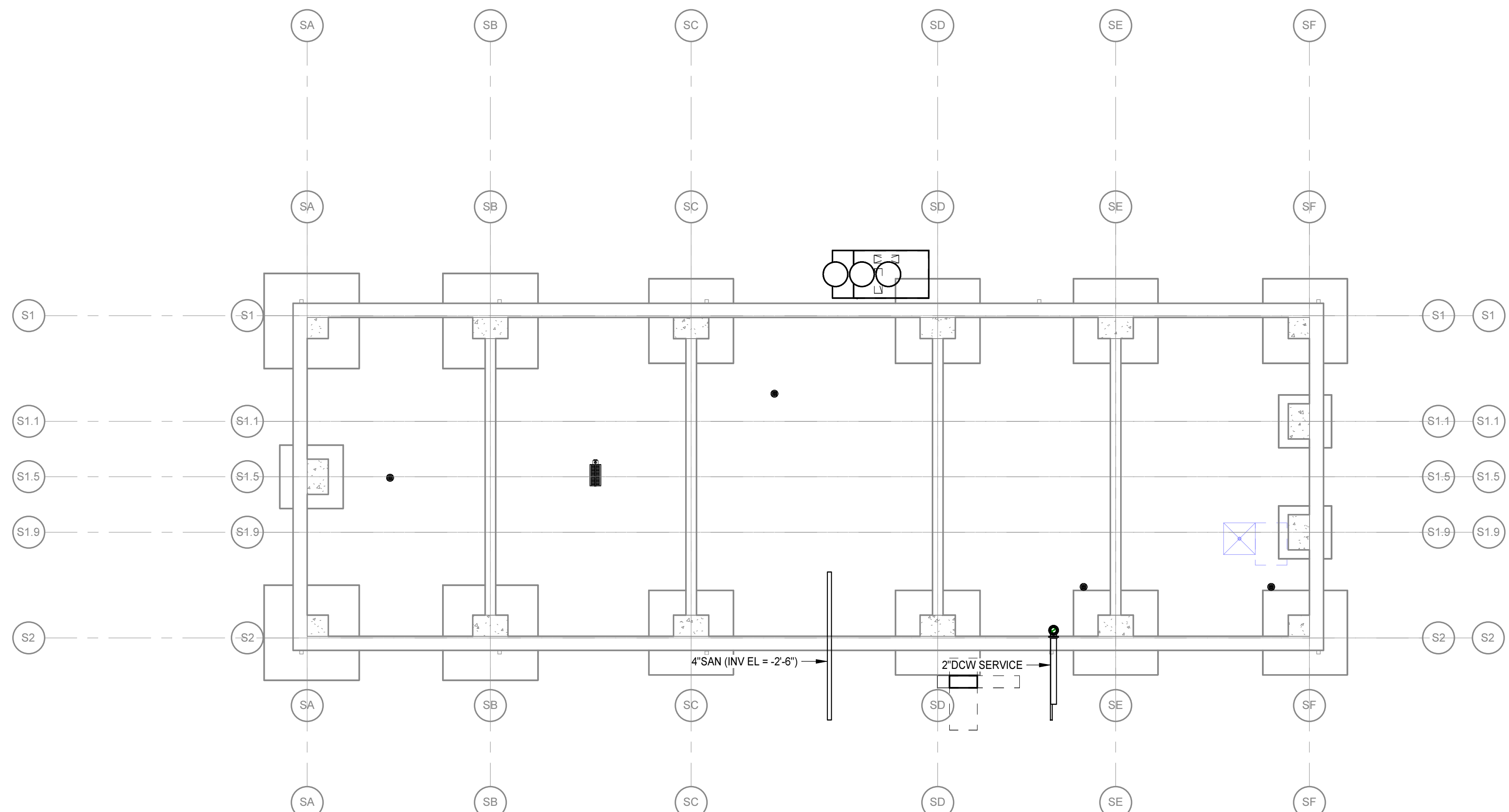
TAG	BASIS OF DESIGN		LOCATION	SYSTEM	SIZE	DESIGN FLOW RATE (GPM)	PRESSURE DROP (PSI)	NOTES
	MANUFACTURER	MODEL						
BFP-1	WATTS	LF919QT	MECHANICAL Z110	DCW	2.00	43.00	12.00	1
1. PROVIDE WITH WATTS MODEL 909 AG SERIES AIR GAP FITTINGS								

GENERAL DATA

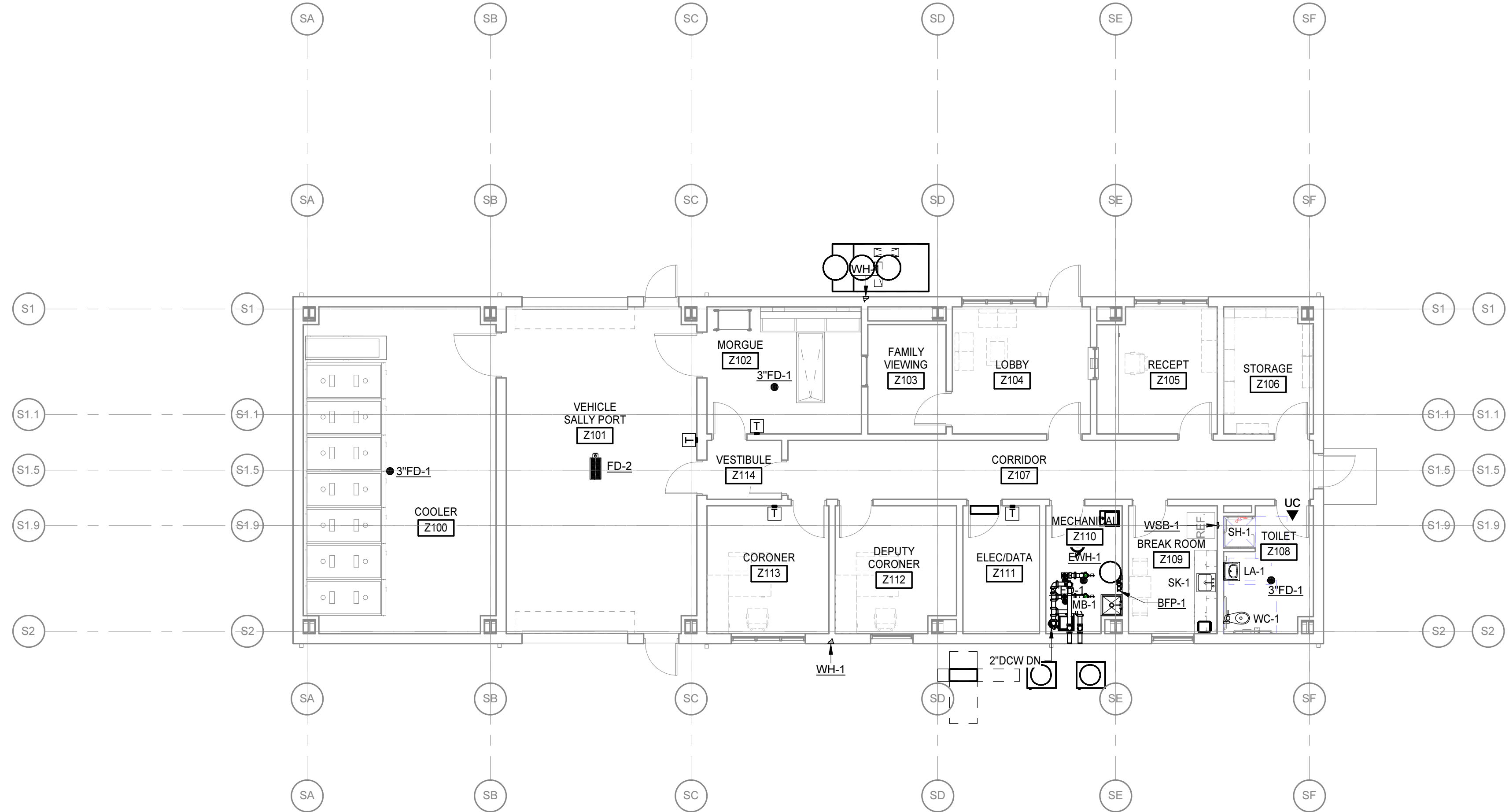
PLUMBING GENERAL DATA

Item	Value
SERVICE SIZING	
INSTANTANEOUS DEMAND (GPM)	34
SUPPLY FIXTURE UNITS (SFI)	15
DRAINAGE FIXTURE UNITS (DFU)	14
STORM DRAINAGE	
AREA OF ROOF (SQUARE FEET)	NA
AREA OF WALL ADJACENT TO ROOF (SQUARE FEET)	NA
TOTAL ROOF DRAINAGE (SQUARE FEET)	NA
WATER HEATERS	
NUMBER	1
HOT WATER REQUIRED	20GPH
FUEL USED	ELECTRIC

- ### 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 PIPING LOCATIONS AND INSTALLATION WITH EACH TRADE TO AVOID CONFLICTS WITH OTHER TRADES.
 - PROVIDE FLOOR CLEANOUTS INDICATED FLUSH WITH FLOOR FINISHES.
 - PROVIDE CLEANOUTS WHERE INDICATED AND ADDITIONAL CLEANOUTS AS REQUIRED BY LOCAL CODE.
 - REFER TO DRAWINGS FROM EACH DISCIPLINE BEFORE ROUGHING-IN PLUMBING FIXTURES.
 - OBTAIN DIMENSIONS AND ROUTING IN FIELD BEFORE INSTALLATION OF PLUMBING AND FIXTURES.
 - INSTALL ALL DRAINAGE PATTERN FITTINGS AND PIPING IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
 - REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.
 - PROVIDE ISOLATION VALVES IN ACCORDANCE WITH DIAGRAMS, DETAILS, AND DIVISION 22 SPECIFICATIONS.



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



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

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

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**LEGENDS,
 ABBREVIATIONS AND
 GENERAL NOTES**

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

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.

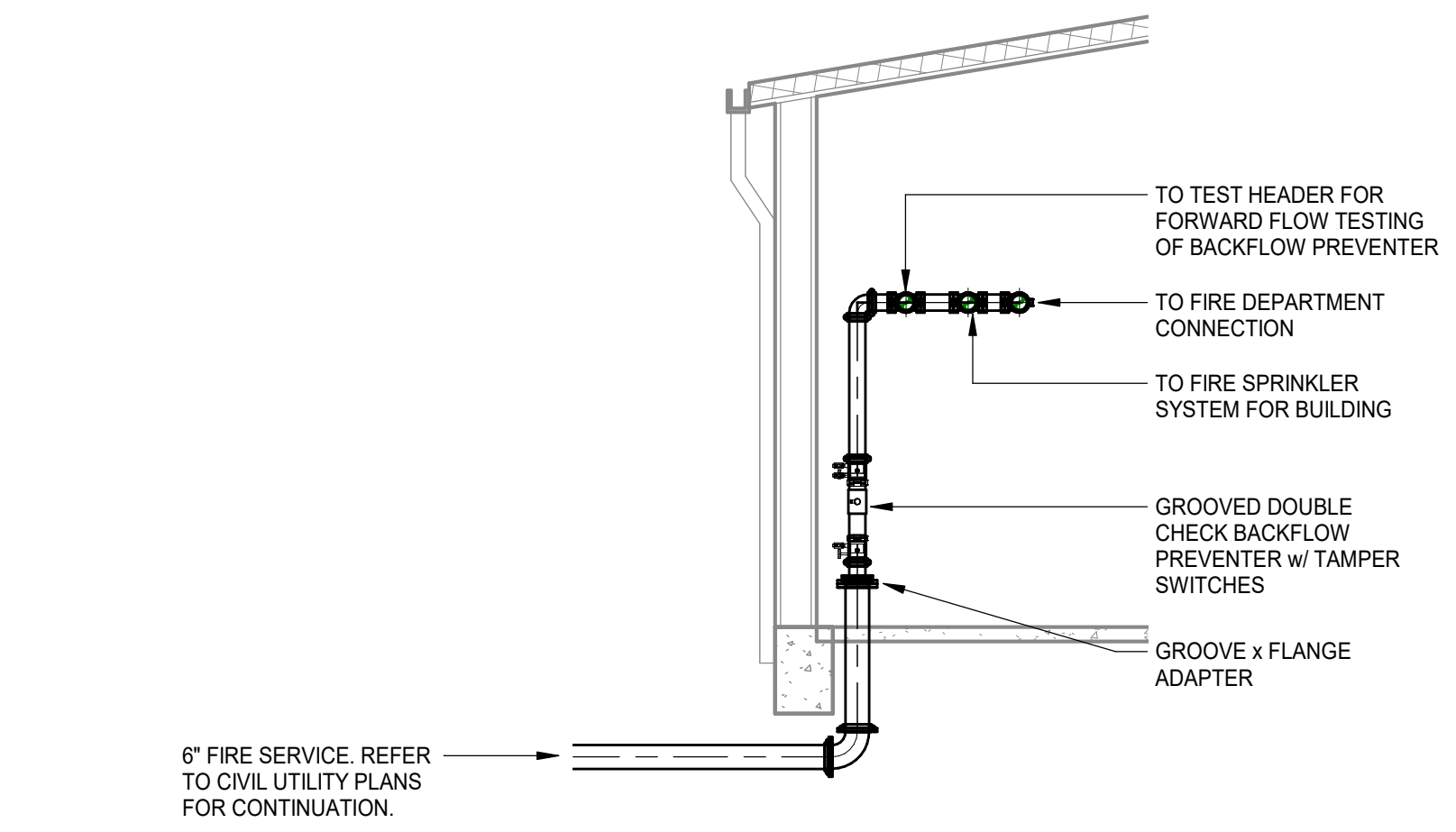
IN AREAS SUBJECT TO FREEZING TEMPERATURES SUPPLIED BY WET PIPE SPRINKLER SYSTEM: PROVIDE QUICK RESPONSE, FUSIBLE LINK TYPE DRY TYPE SPRINKLERS.

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.

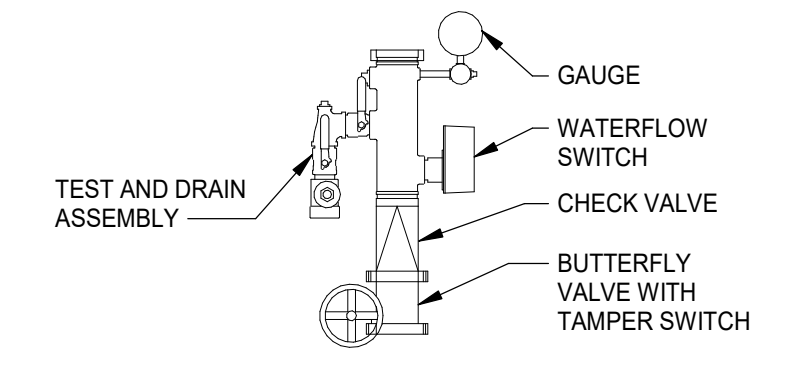
INSTALL SPRINKLERS IN CENTER OF ACOUSTICAL TILE CEILING PANELS.

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
FDG	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\"/>



FIRE PROTECTION ZONE CONTROL
 NO SCALE

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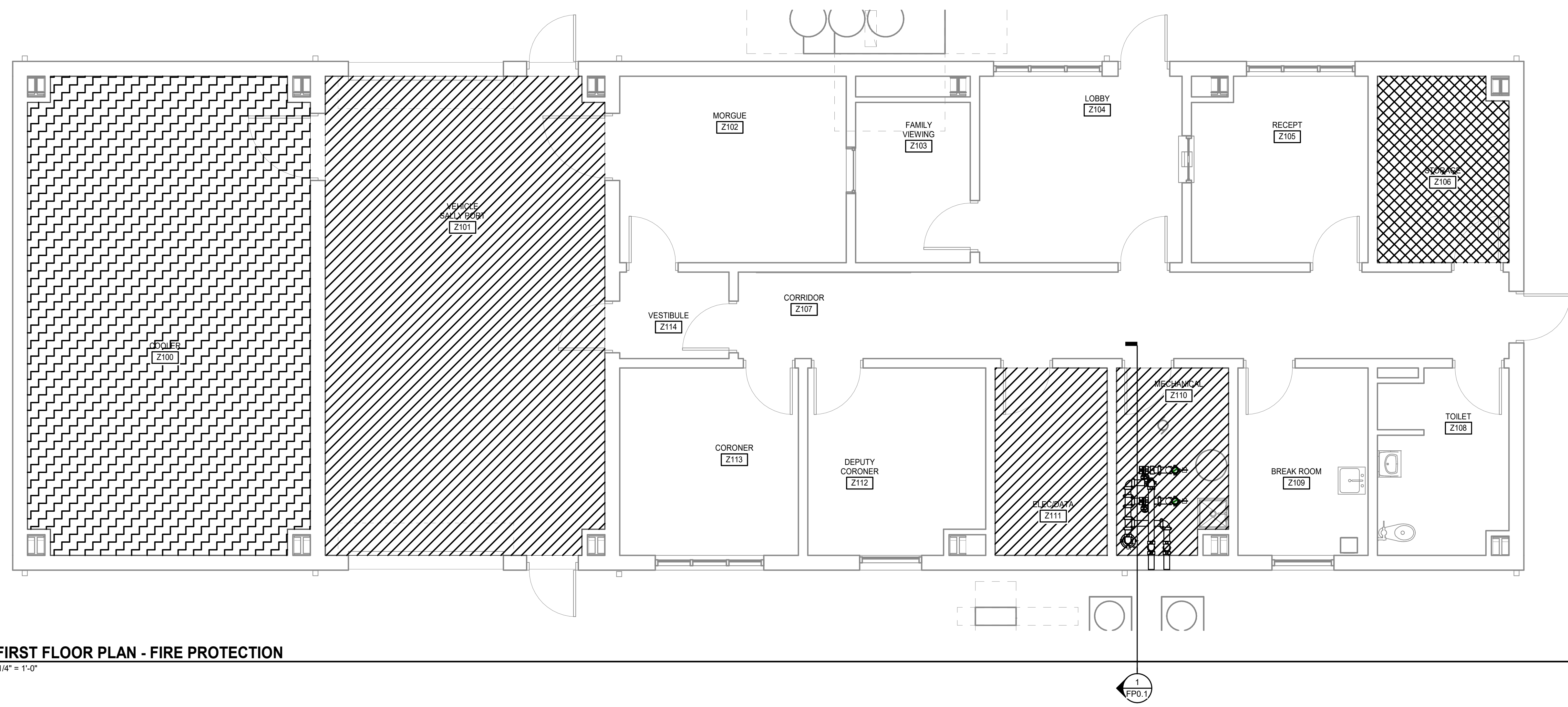
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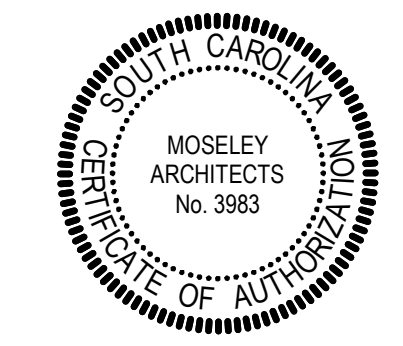
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FIRST FLOOR PLAN - FIRE PROTECTION
 1/4" = 1'-0"



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

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

GRAPHIC SYMBOL LEGEND	
	SPACE TAG SPACE NAME SPACE NUMBER BUILDING PART NUMBER IN MULTI-PART BUILDING
	EQUIPMENT TAG EQUIPMENT NUMBER EQUIPMENT ABBREVIATION
	DIFFUSER, GRILLE OR REGISTER TAG TAG, REFER TO DIFFUSER, GRILLE AND REGISTER SCHEDULE
	DETAIL TAG DETAIL NUMBER DRAWING WHERE DETAIL IS INDICATED
	KEYNOTE
	STRUCTURAL GRID LINE WITH DESIGNATION
	EXISTING TO BE REMOVED
	DETAIL TITLE DETAIL NUMBER DRAWING WHERE DETAIL IS INDICATED DRAWING WHERE DETAIL IS REFERENCED ADDITIONAL DRAWING REFERENCES
	SECTION TITLE SECTION NUMBER DRAWING WHERE SECTION IS INDICATED DRAWING WHERE SECTION IS REFERENCED ADDITIONAL DRAWING REFERENCES
	SECTION CALLOUT SECTION NUMBER DRAWING WHERE SECTION IS INDICATED
	ENLARGED PLAN CALLOUT ENLARGED PLAN NUMBER DRAWING WHERE ENLARGED PLAN IS INDICATED
	MECHANICAL EQUIPMENT WITH REQUIRED SERVICE CLEARANCE INDICATED

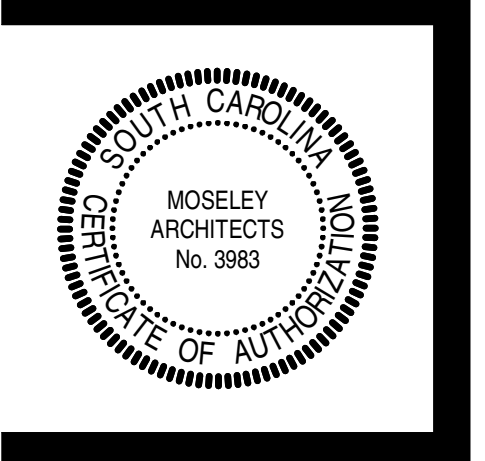
DUCTWORK LEGEND	
	RECTANGULAR DUCT (FIRST DIMENSION REFERS TO SIDE VIEWED)
	ROUND DUCT SIZE
	FLAT OVAL DUCT SIZE
	DOUBLE WALL, EXPOSED DUCT
	FABRIC DUCT
	FLEXIBLE DUCTWORK
	FLEXIBLE CONNECTOR
	DUCT-MOUNTED SMOKE DETECTOR
	DUCT WITH DUCT LINER
	DUCT ACCESS DOOR
	DUCT WITH END CAP
	LINEAR SLOT DIFFUSER, LENGTH AS INDICATED
	LINEAR BAR GRILLE, LENGTH AS INDICATED
	SUPPLY DIFFUSER
	RETURN OR EXHAUST GRILLE
	SUPPLY DIFFUSER WITH DIRECTIONAL BLOW, SOLID HATCH INDICATES BLANK OFF PANEL
	POINT OF CONNECTION TO EXISTING
	LIMIT OF DEMOLITION
	SUPPLY AIRFLOW ARROW
	RETURN OR EXHAUST AIRFLOW ARROW
	DOOR UNDERCUT
	DOOR LOUVER
	SENSOR WELL
	MANUAL BALANCING DAMPER IN DUCT
	FIRE DAMPER IN DUCT
	SMOKE DAMPER IN DUCT
	COMBINATION FIRE/SMOKE DAMPER IN DUCT
	FIRE DAMPER WITH SECURITY BARS IN DUCT
	SMOKE DAMPER WITH SECURITY BARS IN DUCT
	COMBINATION FIRE/SMOKE DAMPER WITH SECURITY BARS IN DUCT
	MOTORIZED DAMPER IN DUCT
	SMOKE CONTROL MANUAL BALANCING DAMPER IN DUCT
	SMOKE CONTROL MOTORIZED DAMPER IN DUCT
	SECURITY BARS IN DUCT
	DUCT WITH ACCESS PANEL
	SUPPLY/MAKEUP AIR DUCT SECTIONS
	RETURN AIR DUCT SECTIONS
	EXHAUST AIR DUCT SECTIONS
	SMOKE DETECTOR
	HUMIDITY SENSOR
	THERMOSTAT, LINE VOLTAGE
	THERMOSTAT, LOW VOLTAGE
	TEMPERATURE SENSOR
	CARBON DIOXIDE SENSOR
	CARBON MONOXIDE SENSOR

PIPING LEGEND	
	END OF LINE CLEANOUT PLUG
	CLEANOUT PLUG
	PRESSURE GAUGE WITH GAUGE COCK
	LIQUID FILLED THERMOMETER
	UNION
	STRAINER WITH BLOWDOWN VALVE AND 3/4" HOSE END CONNECTION
	FLEXIBLE PIPE CONNECTOR
	MANUAL AIR VENT
	VALVE
	MANUAL BALANCING VALVE WITH FLOW TAPS
	AUTOMATIC BALANCING VALVE WITH FLOW TAPS
	SWING CHECK VALVE
	PRESSURE REDUCING VALVE
	TRIPLE DUTY VALVE
	GAS COCK
	PRESSURE-RELIEF VALVE
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	DIRECTION OF FLOW

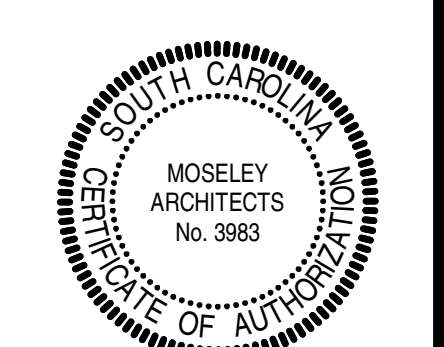
GENERAL NOTES	
A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.	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.
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.	H. INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED.
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, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.	I. ALL EQUIPMENT, VALVES, DAMPERS, DAMPER AND DIFFUSERS WITHIN CEILING GRID, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.
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.	J. SIZE ALL SPLIT-SYSTEM REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
E. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.	K. DUCT DIMENSIONS MAY BE MODIFIED ONLY WITH PRIOR APPROVAL FROM ARCHITECT. DUCT DIMENSIONS ARE IN INCHES AND INSIDE CLEAR.
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.	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.

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.	

CONTROL SYMBOL LEGEND	
	CIRCULATOR OR PUMP
	MOTORIZED 2-WAY VALVE
	MOTORIZED 3-WAY VALVE
	VARIABLE FREQUENCY DRIVE
	DIRECT DIGITAL CONTROLLER
	THERMOSTAT
	FREEZESTAT
	CONTACTOR
	RELAY
	SPACE TEMPERATURE SENSOR
	LINE VOLTAGE THERMOSTAT
	HAND-OFF-AUTOMATIC SWITCH
	DUCT-MOUNTED SMOKE DETECTOR
	TRANSFORMER
	FUSE
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	WIRING OR DEVICE PROVIDED UNDER DIVISION 23
	WIRING OR DEVICE NOT PROVIDED UNDER DIVISION 23
	WIRING CONNECTION BY DIVISION 23
	WIRING CONNECTION BY OTHERS
	NUMBER OF CONDUCTORS INDICATED BY SLASH MARKS
	MOTORIZED PARALLEL BLADE DAMPER
	MOTORIZED OPPOSED BLADE DAMPER
	MOTORIZED BUTTERFLY BLADE DAMPER
	SUPPLY, RETURN, OR EXHAUST FAN
	AIRFLOW DIRECTION
	CONTROL POINT INDICATOR
	INPUT OR OUTPUT (ANALOG INPUT)
	DEVICE TYPE (AIR TEMPERATURE SENSOR)
	CONTROL POINT INDICATOR
	INPUT OR OUTPUT (ANALOG INPUT)
	DEVICE TYPE (AIR TEMPERATURE SENSOR WITH AVERAGING ELEMENT)
	CONTROL POINT INDICATOR
	INPUT OR OUTPUT (ANALOG INPUT)
	DEVICE TYPE (WATER TEMPERATURE SENSOR WITH BULB TYPE ELEMENT IN PIPING WELL)
	CONTROL POINT INDICATOR
	INPUT OR OUTPUT (ANALOG INPUT)
	DEVICE TYPE (CURRENT SENSING RELAY)



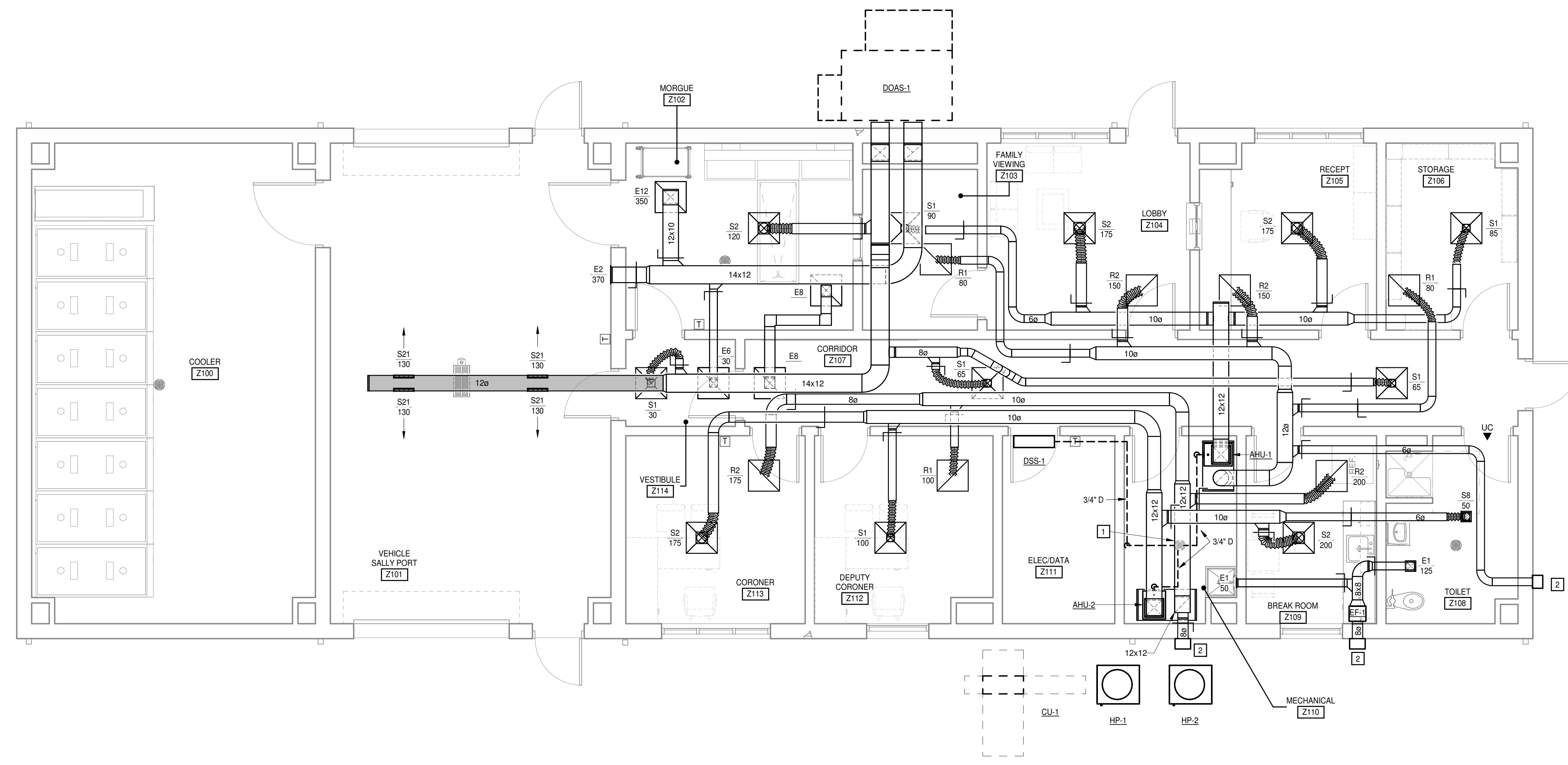
PROJECT NO:	611315
DATE:	MARCH 08, 2024
REVISIONS	
DATE	DESCRIPTION



REVISIONS	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	6"	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 (V PH HZ)			
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)	SERVICE (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)	MCA (A)	MCOCP (A)	SERVICE (V PH HZ)	REFRIGERANT	WEIGHT (LBS)		
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

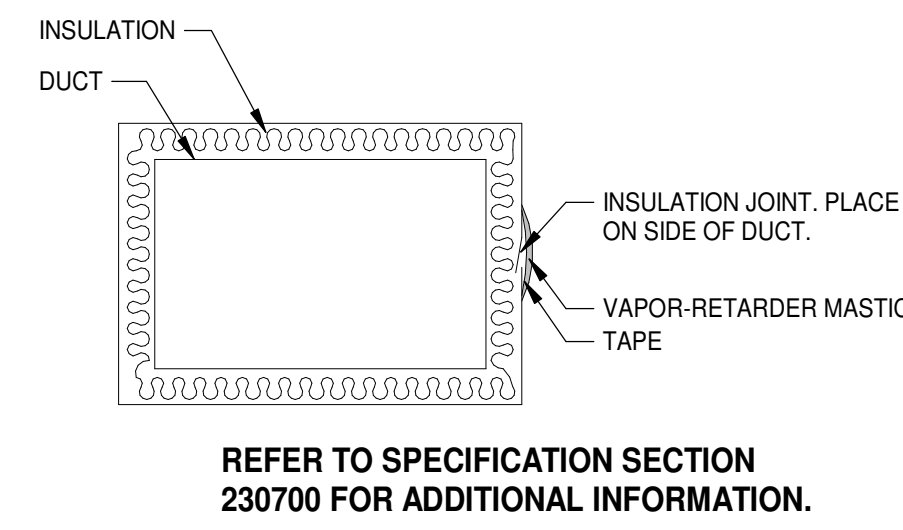
DUCTLESS SPLIT SYSTEM OUTDOOR UNIT SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	LOCATION	AMBIENT AIR TEMPERATURE (°F)	MCA (A)	MCOCP (A)	SERVICE (V PH HZ)	REFRIGERANT	WEIGHT (LBS)		
CU-1	MITSUBISHI	PUZ-A18NKA7	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	DESIGN AIRFLOW (CFM)	ESP (IN WC)	TYPE	SUPPLY FAN WHEEL		UNIT PRESSURIZATION DIFFERENTIAL (CFM)	EXHAUST FAN WHEEL		ENTHALPY WHEEL				COOLING COIL		ELECTRIC HEATING COIL		ELECTRICAL DATA			WEIGHT (LBS)	NOTES														
								FAN SPEED (RPM)	MOTOR (HP)		FAN SPEED (RPM)	MOTOR (HP)	SUMMER		WINTER		EAT	LAT	EAT	LAT	TOTAL CAPACITY (BTUH)	SENSIBLE CAPACITY (BTUH)	PH			HZ	MCA	MCOCP											
								(°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

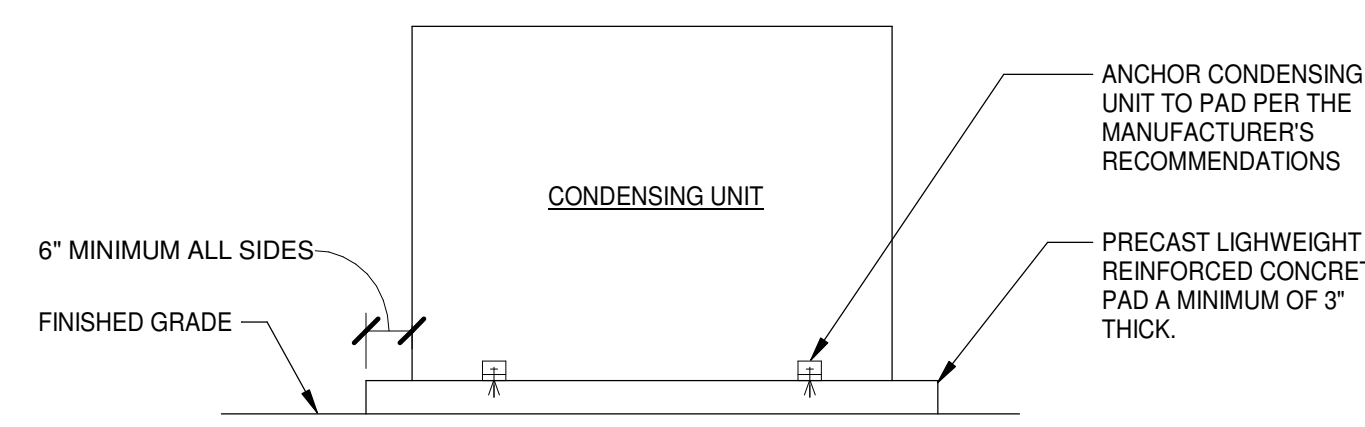
NOTES:
 1. ECONOMIZER, SPACE TEMPERATURE/HUMIDITY SENSOR BY MANUFACTURER, SINGLE POINT POWER CONNECTION WITH UNIT MOUNTED DISCONNECT BY FACTORY (THROUGH THE BASE ELECTRICAL). UNIT TO BE DX COOLING WITH SCR ELECTRIC HEAT, ENERGY RECOVERY WHEEL, HOT GAS REHEAT / DEHUMIDIFICATION.



DUCT INSULATION JOINT DETAIL

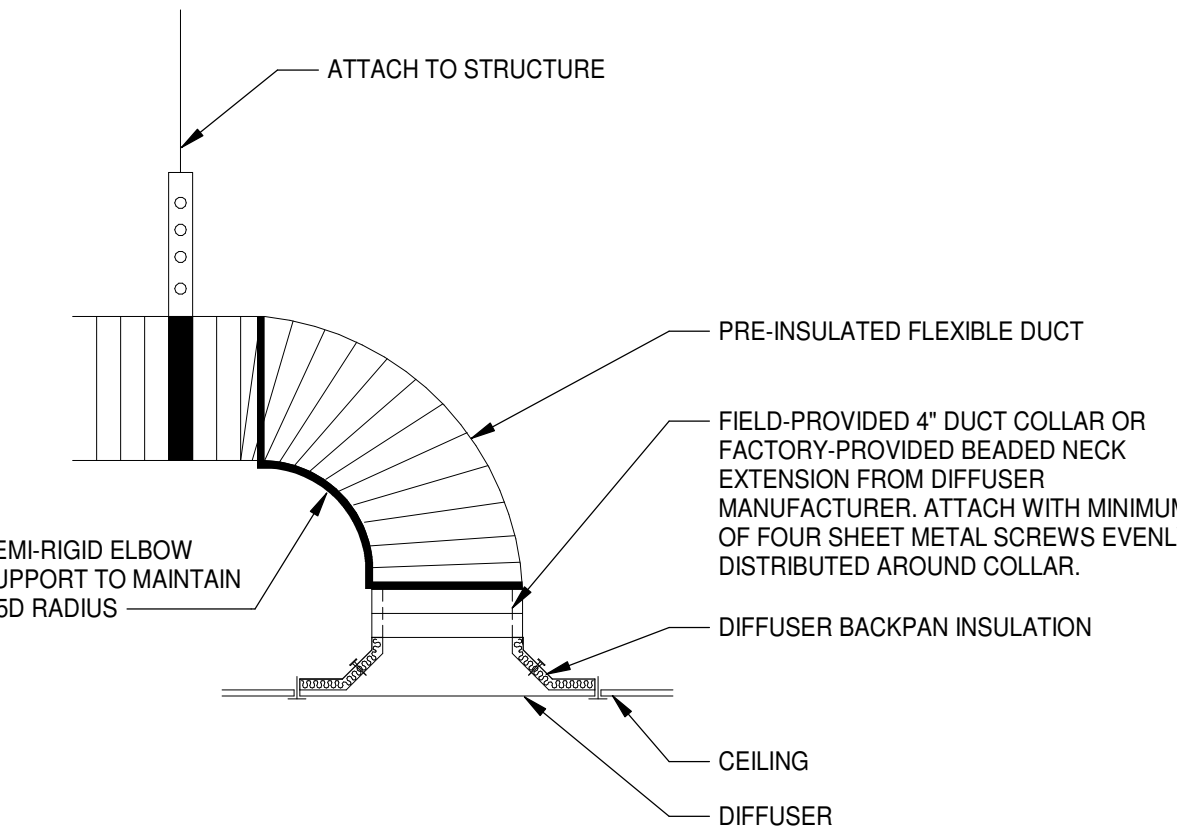
NO SCALE

REFER TO SPECIFICATION SECTION 230700 FOR ADDITIONAL INFORMATION.



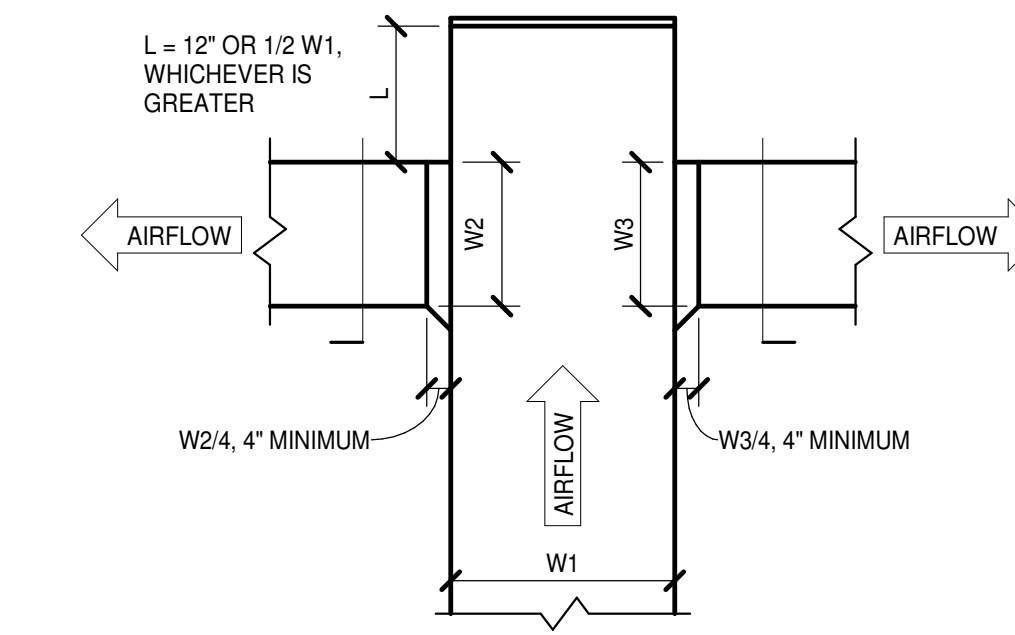
CONDENSING UNIT MOUNTING DETAIL

NO SCALE



FLEXIBLE DUCT TO DIFFUSER CONNECTION DETAIL

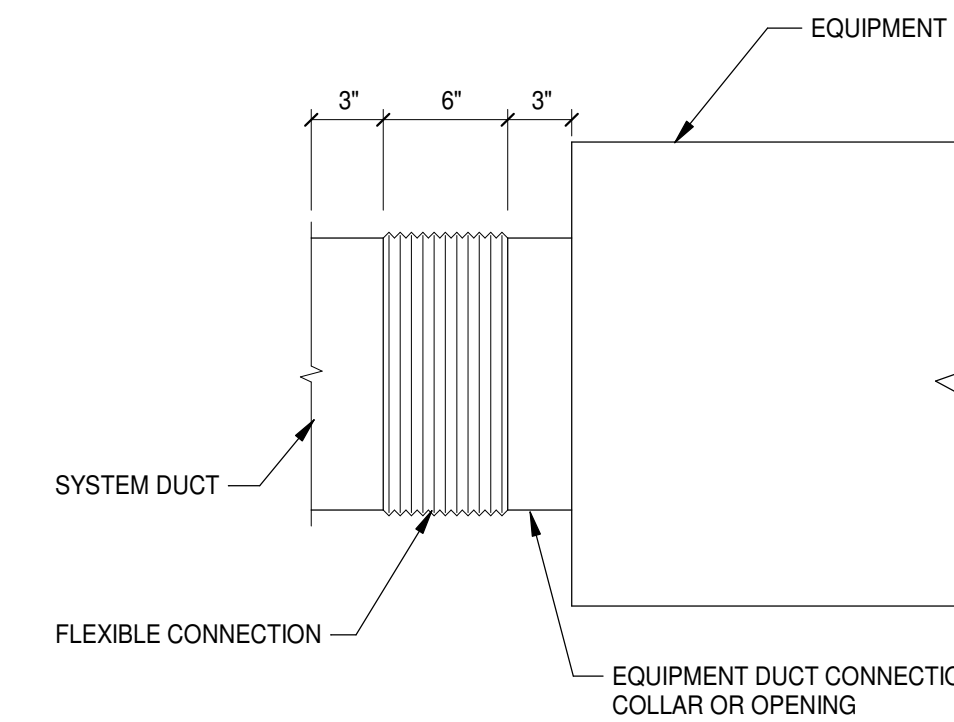
NO SCALE



END OF DUCT MAIN DETAIL

NO SCALE

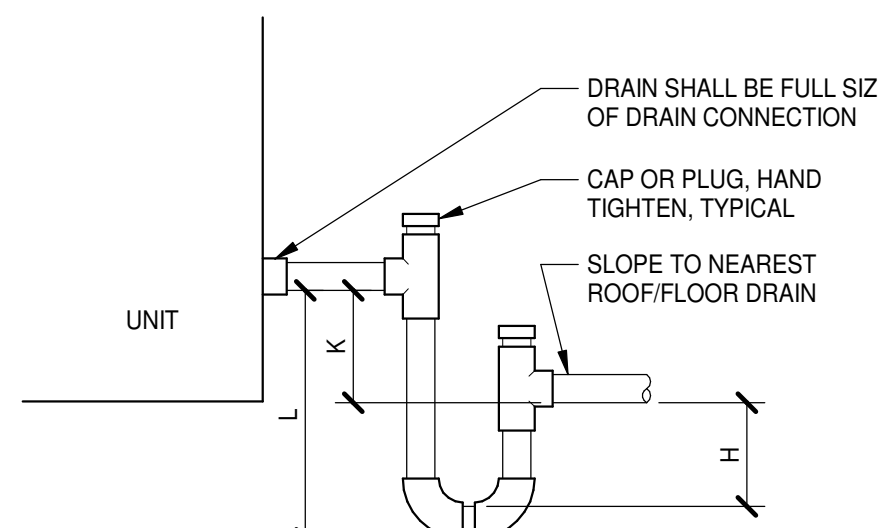
NOTE:
1. REFER TO BRANCH CONNECTION TO DIFFUSER DETAILS FOR BRANCH TAKE-OFF REQUIREMENTS.



EQUIPMENT DUCT CONNECTION DETAIL

NO SCALE

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



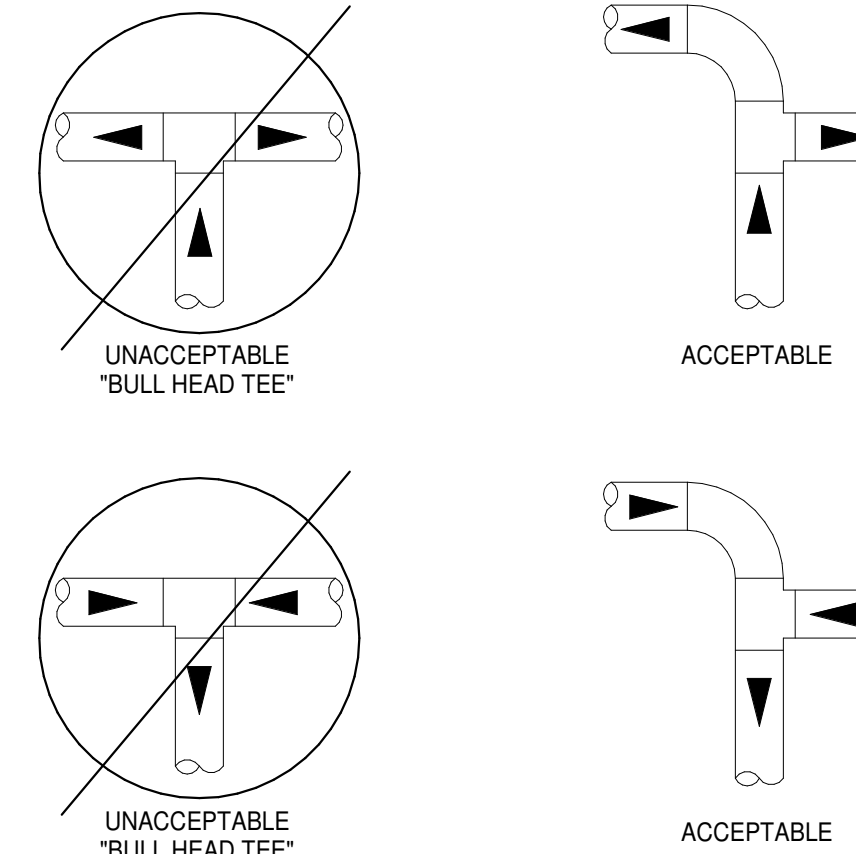
NEGATIVE PRESSURE CONDENSATE DRAIN DETAIL

NO SCALE

K = 1" FOR EACH 1" OF MAXIMUM NEGATIVE STATIC PRESSURE + 1"
H = 1/2K
L = H + K + PIPE DIAMETER + INSULATION

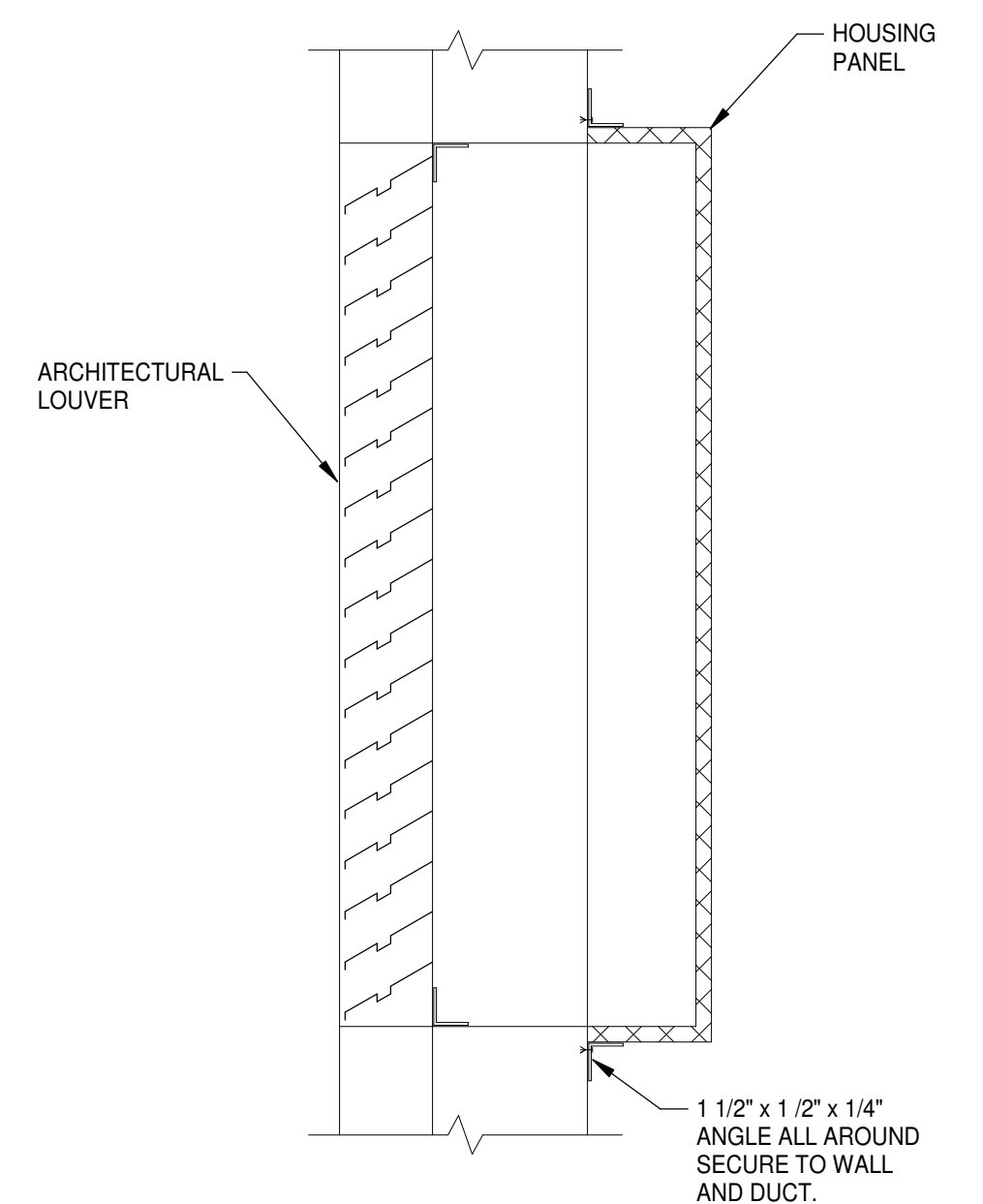
- NOTES:
1. LOCATE TRAP AS CLOSE AS POSSIBLE TO UNIT OUTLET WITH BOTTOM BELOW SUPPORT STRUCTURE.
 2. COORDINATE MOUNTING/CURB HEIGHT AS REQUIRED TO PROVIDE PROPER CONDENSATE DRAINAGE/TRAP HEIGHT.
 3. NOTIFY ARCHITECT BEFORE FABRICATION IF PHYSICAL CONDITIONS PREVENT INSTALLATION OF DEPTH INDICATED.

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 AIRTIGHT SEAL BETWEEN UNIT AND STAND. POORLY CONSTRUCTED STANDS WILL BE REJECTED.

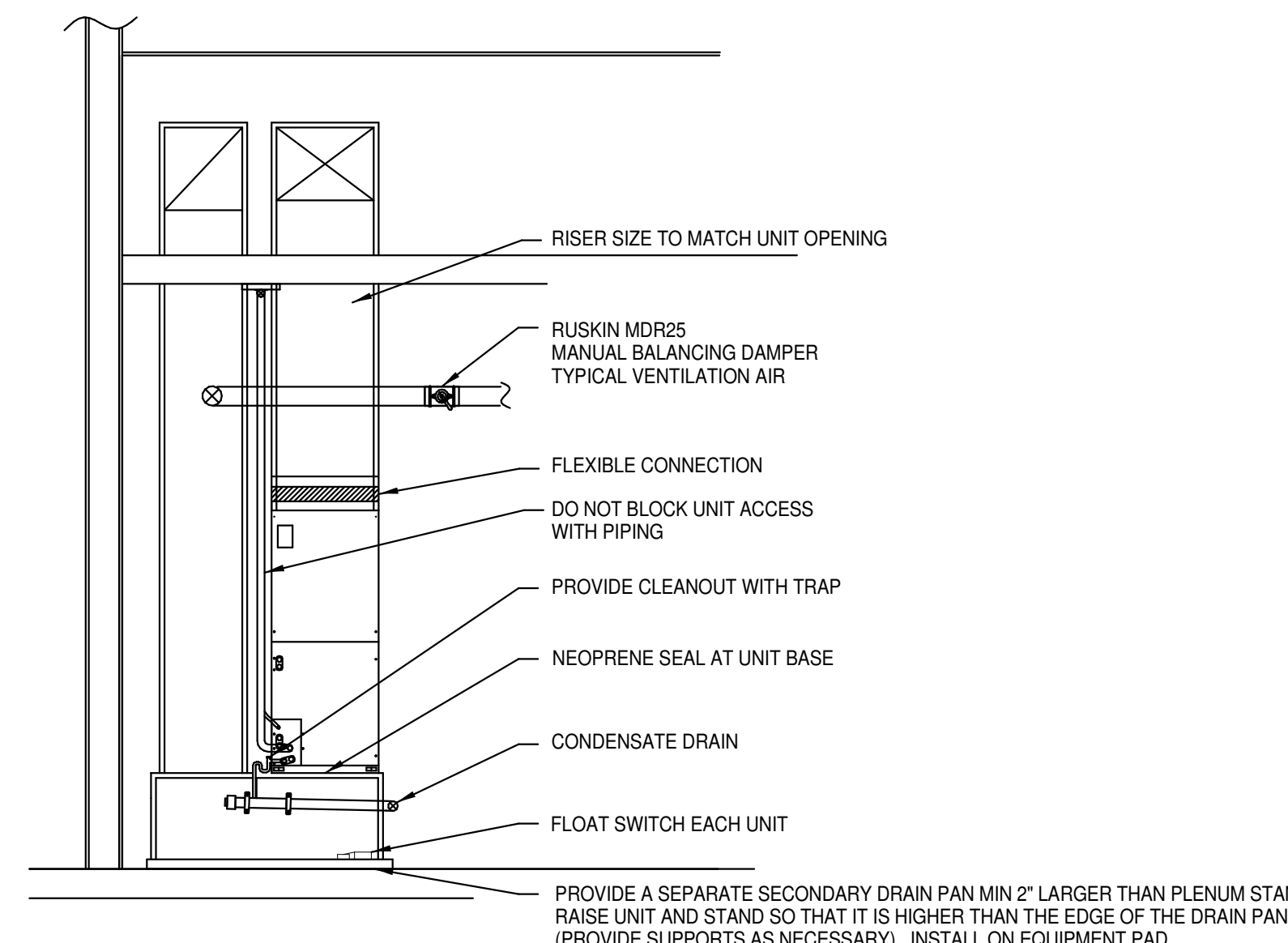
PROVIDE SECONDARY DRAIN PAN WITH A FLOAT SWITCH WIRED TO SHUTDOWN THE AIR HANDLER AND THE CONDENSING UNIT.

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.

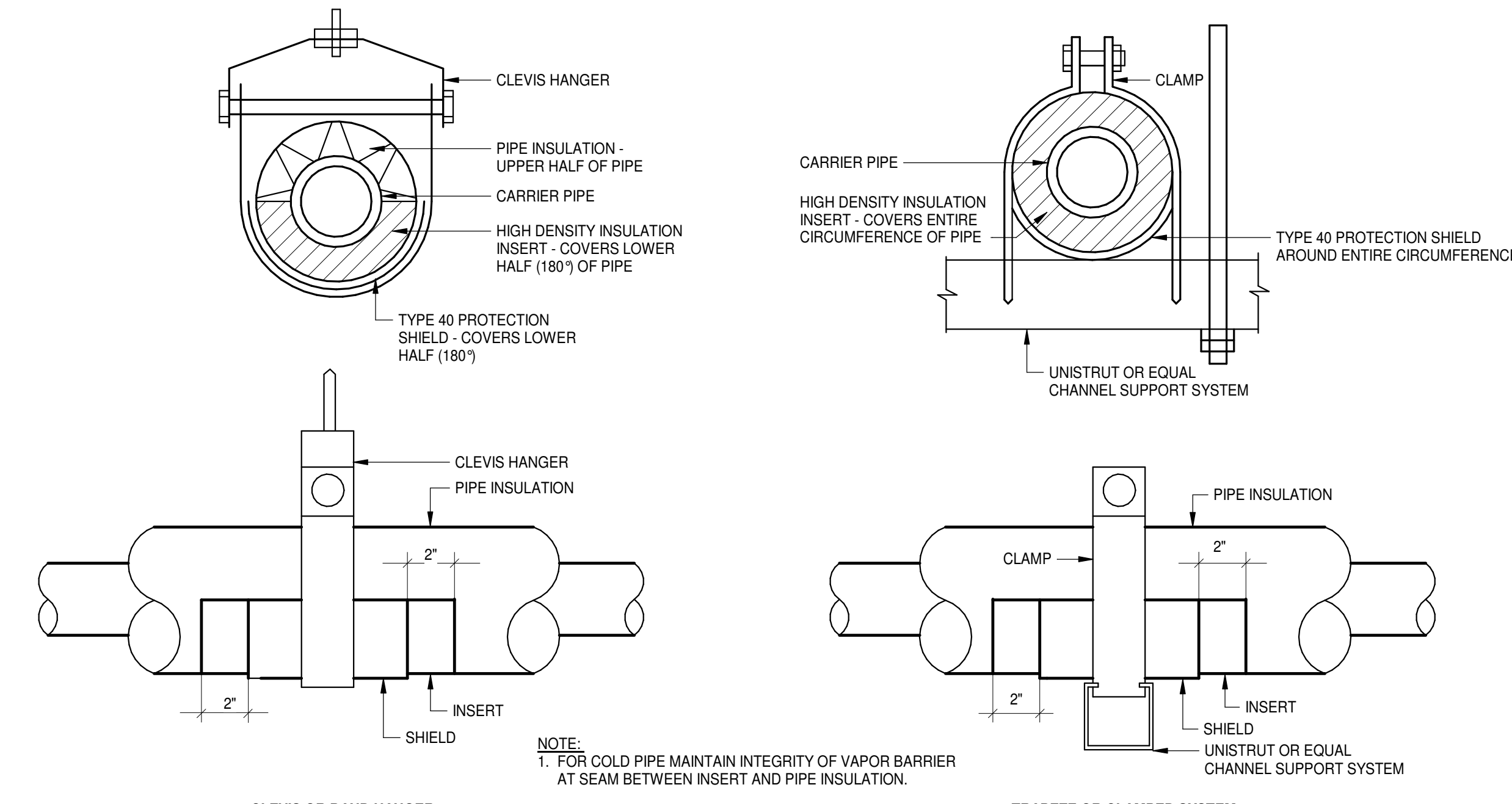
SUPPORT HORIZONTAL REFRIGERANT SUCTION PIPING 4 FEET ON CENTER. LIQUID LINE MAY BE STRAPPED TO THE INSULATED SUCTION LINE WITH DUCT TAPE.



SPLIT SYSTEM HEAT PUMP

NO SCALE

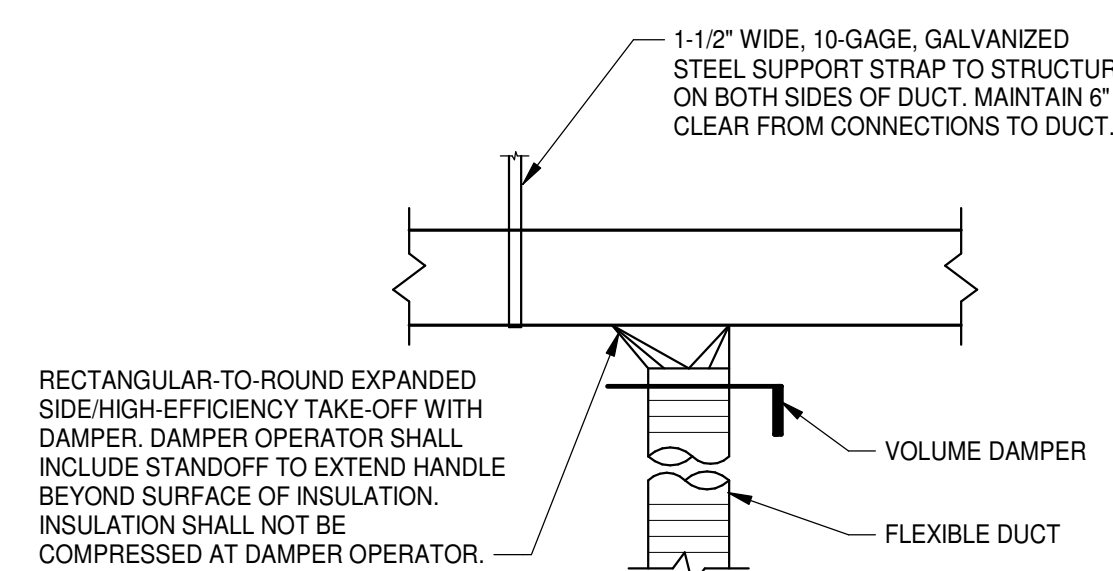
PROVIDE A SEPARATE SECONDARY DRAIN PAN MIN 2" LARGER THAN PLENUM STAND. RAISE UNIT AND STAND SO THAT IT IS HIGHER THAN THE EDGE OF THE DRAIN PAN (PROVIDE SUPPORTS AS NECESSARY). INSTALL ON EQUIPMENT PAD.



PIPE SUPPORT AND THERMAL SHIELD DETAILS

NO SCALE

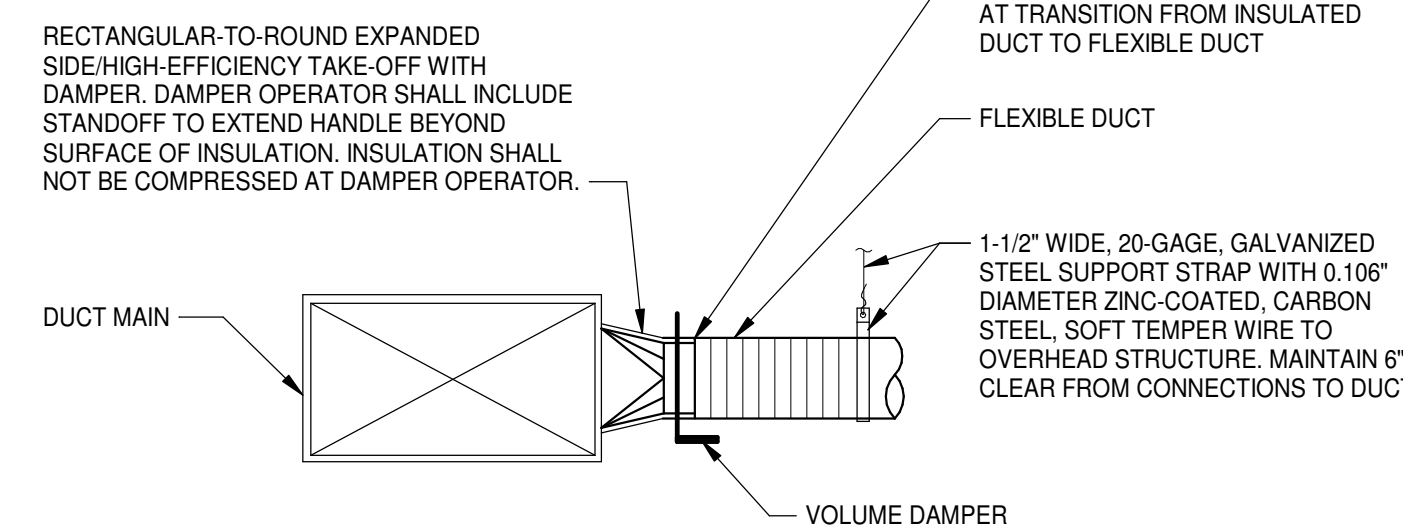
NOTE:
1. FOR COLD PIPE MAINTAIN INTEGRITY OF VAPOR BARRIER AT SEAM BETWEEN INSERT AND PIPE INSULATION.



BRANCH CONNECTION TO DIFFUSER DETAILS

NO SCALE

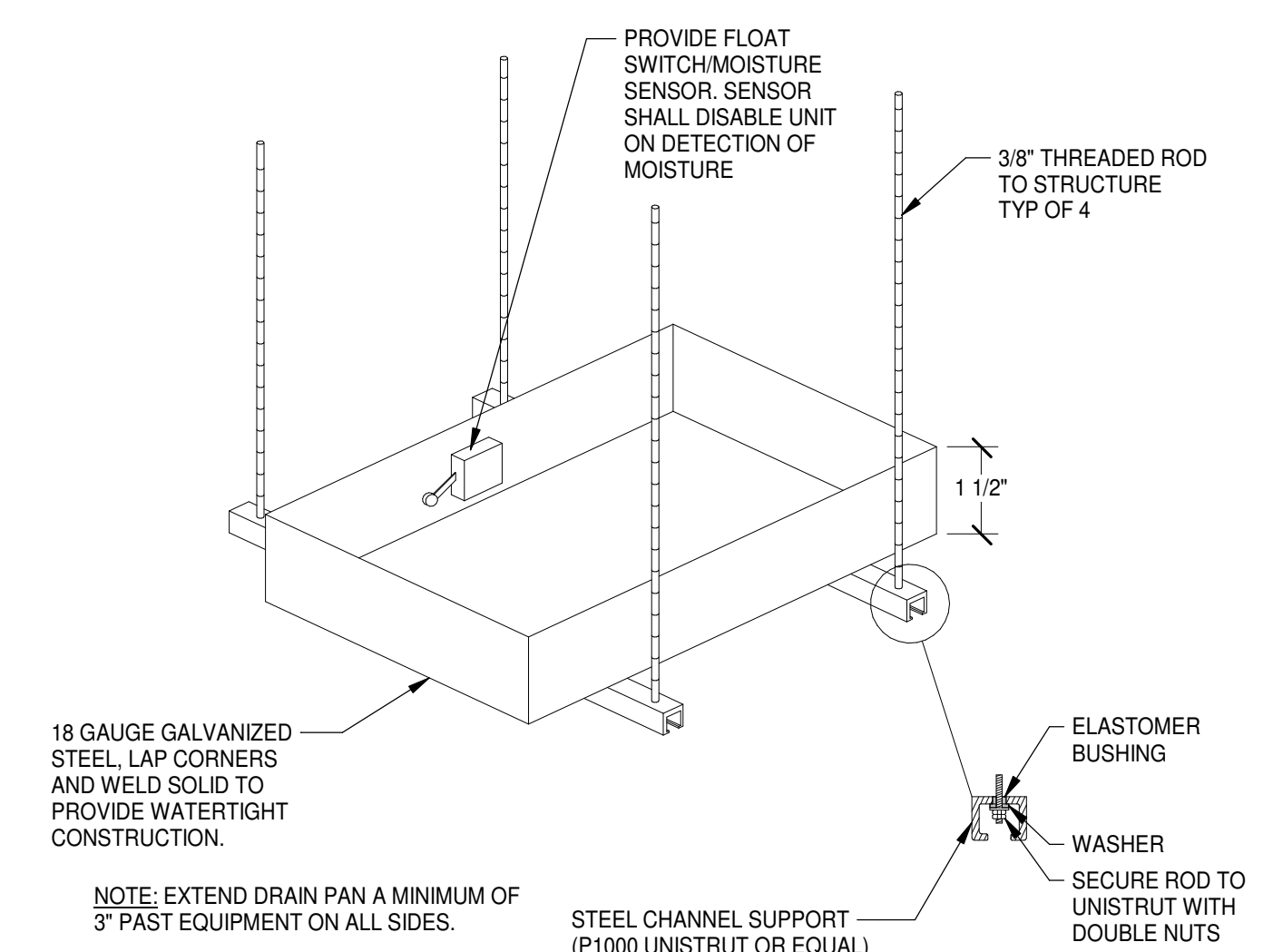
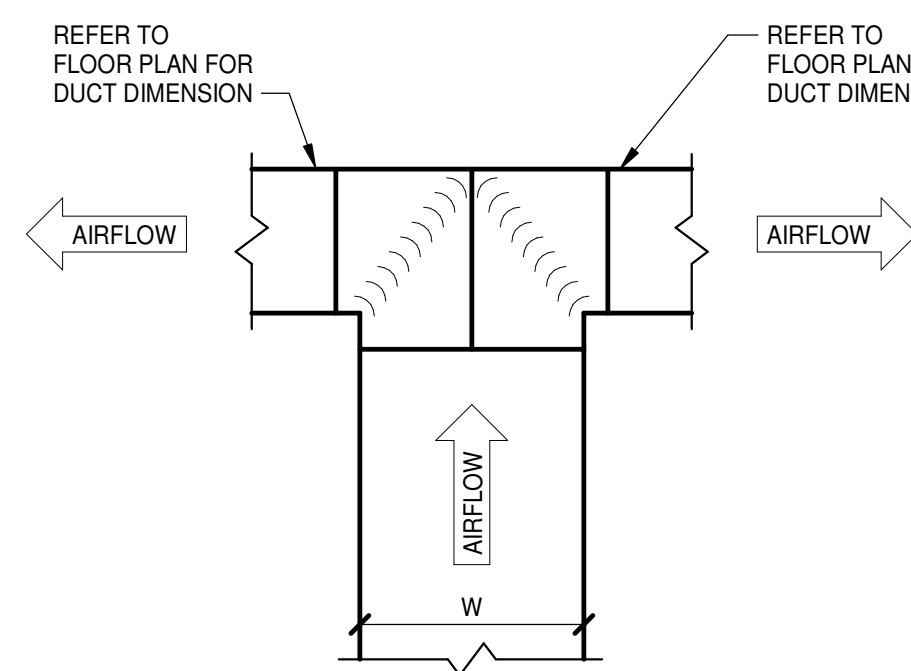
NOTES:
1. FLEXIBLE DUCT SHALL BE INSTALLED OVER METAL DUCT (BEAD/UP ON METAL DUCT) AND ANCHORED WITH NYLON MECHANICAL BANDS OR PANDUIT STRAP.
2. IN EXPOSED AREAS, PROVIDE RIGID GALVANIZED STEEL BRANCH DUCT TO DIFFUSERS IN LIEU OF FLEXIBLE DUCT UNLESS INDICATED OTHERWISE. SUPPORT IN ACCORDANCE WITH REQUIREMENTS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



DIVIDED FLOW BRANCH DETAILS

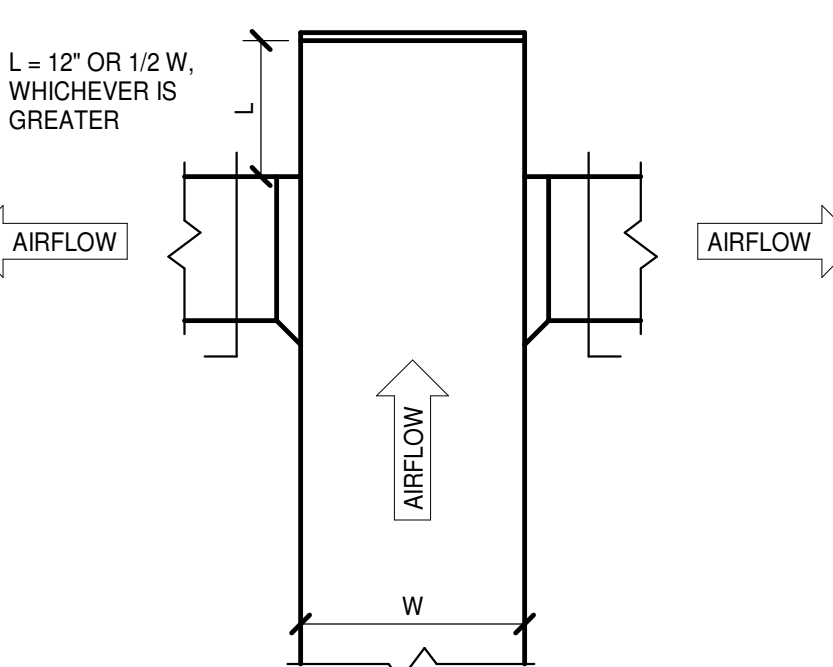
NO SCALE

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

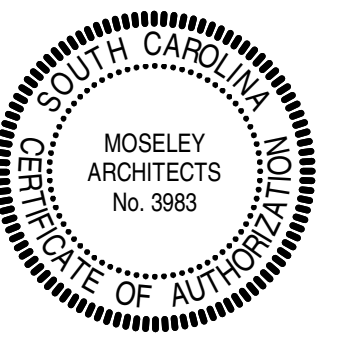
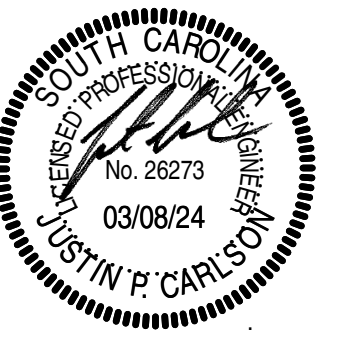


AUXILIARY DRAIN PAN MOUNTING DETAIL

NO SCALE



NOTES:
1. REFER TO BRANCH CONNECTION TO DIFFUSER DETAILS FOR BRANCH TAKE-OFF REQUIREMENTS.
2. 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.



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

REVISIONS	
DATE	DESCRIPTION

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.

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.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF. PROVIDE NEMA 3R "WHILE IN USE" ENCLOSURE.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +1'-6" AFF.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +3'-10" AFF.
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT +7'-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	
	SPACE IDENTIFICATION TAG SPACE NUMBER BUILDING AREA (WHEN USED)
	SECTION WHERE CUT SECTION NUMBER DRAWING WHERE SECTION IS INDICATED
	ENLARGED PLAN WHERE CUT ENLARGED PLAN NUMBER DRAWING WHERE ENLARGED PLAN IS INDICATED
	DETAIL TAG DETAIL NUMBER DRAWING WHERE DETAIL IS INDICATED
	DETAIL TITLE DETAIL NUMBER DRAWING WHERE DETAIL IS CUT ADDITIONAL DRAWING REFERENCES
	SECTION TITLE SECTION NUMBER DRAWING WHERE SECTION IS CUT ADDITIONAL DRAWING REFERENCES

COMMUNICATIONS LEGEND	
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.
	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" EMT 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
	LIGHT SWITCH, RATED 120/277 VOLTS, 20 AMPS, MOUNT AT +3'-10" AFF. SUBSCRIPT/SUPERSCRIPIT LETTERS, NUMBERS, AND SYMBOLS INDICATES SWITCH TYPE AS FOLLOWS: S3 INDICATES 3-WAY LIGHT SWITCH S4 INDICATES 4-WAY LIGHT SWITCH D INDICATES DIMMER SWITCH P INDICATES PILOT LIGHT, ON WHEN SWITCH IS ON K INDICATES KEY OPERATED LIGHT SWITCH OS INDICATES SWITCH WITH INTEGRAL OCCUPANCY SENSOR 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 TYPE THWN - WET	MINIMUM CONDUIT SIZE	FEEDER ID	# OF SETS	BUILDING WIRE QUANTITY & SIZE TYPE THHN - DRY TYPE THWN - WET	MINIMUM CONDUIT SIZE
30	1	3#10,#10 G	3/4"	30Y	1	4#10,#10 G	3/4"
35	1	3#8,#10 G	3/4"	35Y	1	4#8,#10 G	3/4"
40	1	3#8,#10 G	3/4"	40Y	1	4#8,#10 G	3/4"
45	1	3#6,#10 G	1"	45Y	1	4#6,#10 G	1"
50	1	3#6,#10 G	1"	50Y	1	4#6,#10 G	1"
60	1	3#4,#10 G	1"	60Y	1	4#4,#10 G	1"
70	1	3#4,#8 G	1 1/4"	70Y	1	4#4,#8 G	1 1/4"
80	1	3#3,#8 G	1 1/4"	80Y	1	4#3,#8 G	1 1/4"
90	1	3#2,#8 G	1 1/4"	90Y	1	4#2,#8 G	1 1/4"
100	1	3#1,#8 G	1 1/4"	100Y	1	4#1,#8 G	1 1/4"
110	1	3#2,#6 G	1 1/2"	110Y	1	4#2,#6 G	1 1/2"
125	1	3#1,#6 G	1 1/2"	125Y	1	4#1,#6 G	1 1/2"
150	1	3#10,#6 G	2"	150Y	1	4#10,#6 G	2"
175	1	3#20,#6 G	2"	175Y	1	4#20,#6 G	2"
200	1	3#30,#6 G	2"	200Y	1	4#30,#6 G	2"
225	1	3#40,#4 G	2 1/2"	225Y	1	4#40,#4 G	2 1/2"
250	1	3-250KCM,#4 G	2 1/2"	250Y	1	4-250KCM,#4 G	2 1/2"
300	1	3-350KCM,#4 G	2 1/2"	300Y	1	4-350KCM,#4 G	2 1/2"
350	2	3#20,#3 G	3"	350Y	2	4#20,#3 G	3"
400	2	3#30,#3 G	2"	400Y	2	4#30,#3 G	2"
400SB	2	3#30	2"				

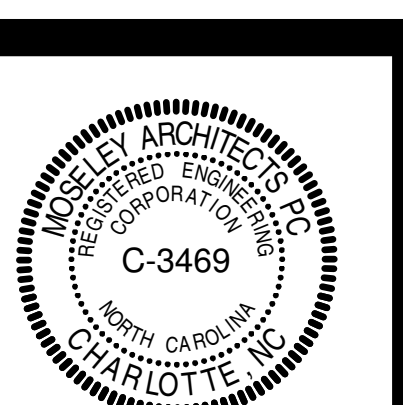
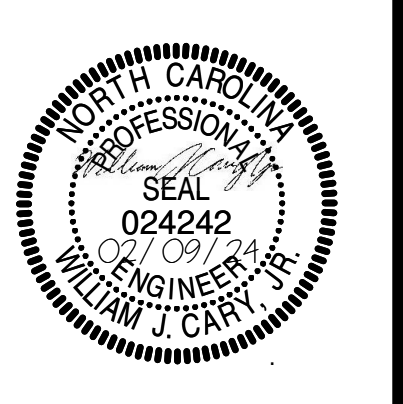
NOTES:
1. ELECTRICAL CONTRACTOR TO VERIFY CONDUIT SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.
2. FEEDER SIZES BASED ON TABLE 310.15(B)(16), 75° C.
3. SIZES ADJUSTED PER NEC 110.14.

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 "WV" - 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
FPMR	FUSE PER MANUFACTURERS REQUIREMENTS/RECOMMENDATIONS
FPND	FUSE PER NAMEPLATE DATA
G	GROUND
GE	GROUND FAULT PROTECTION FOR EQUIPMENT, 6-50mA PER NEC 427.22 (PROVIDE ACCESSORY FOR INDICATED BREAKER)
GFCI	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 CONTACTOR, 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
MNS	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
XPMR	TRANSFER

LEGENDS, ABBREVIATIONS AND GENERAL NOTES	
PROJECT NO:	611315
DATE:	FEBRUARY 09, 2024
REVISIONS	
DATE	DESCRIPTION

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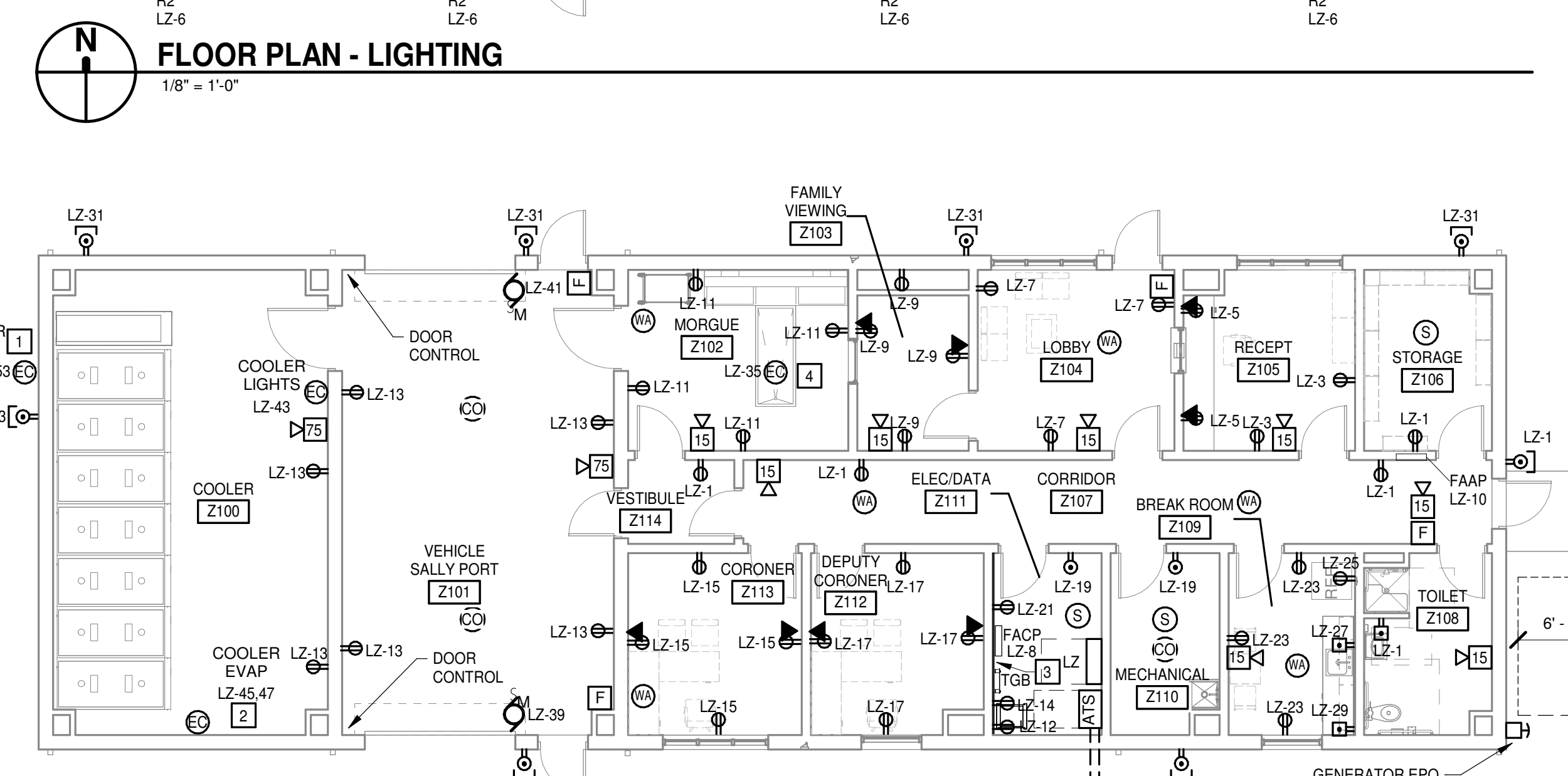
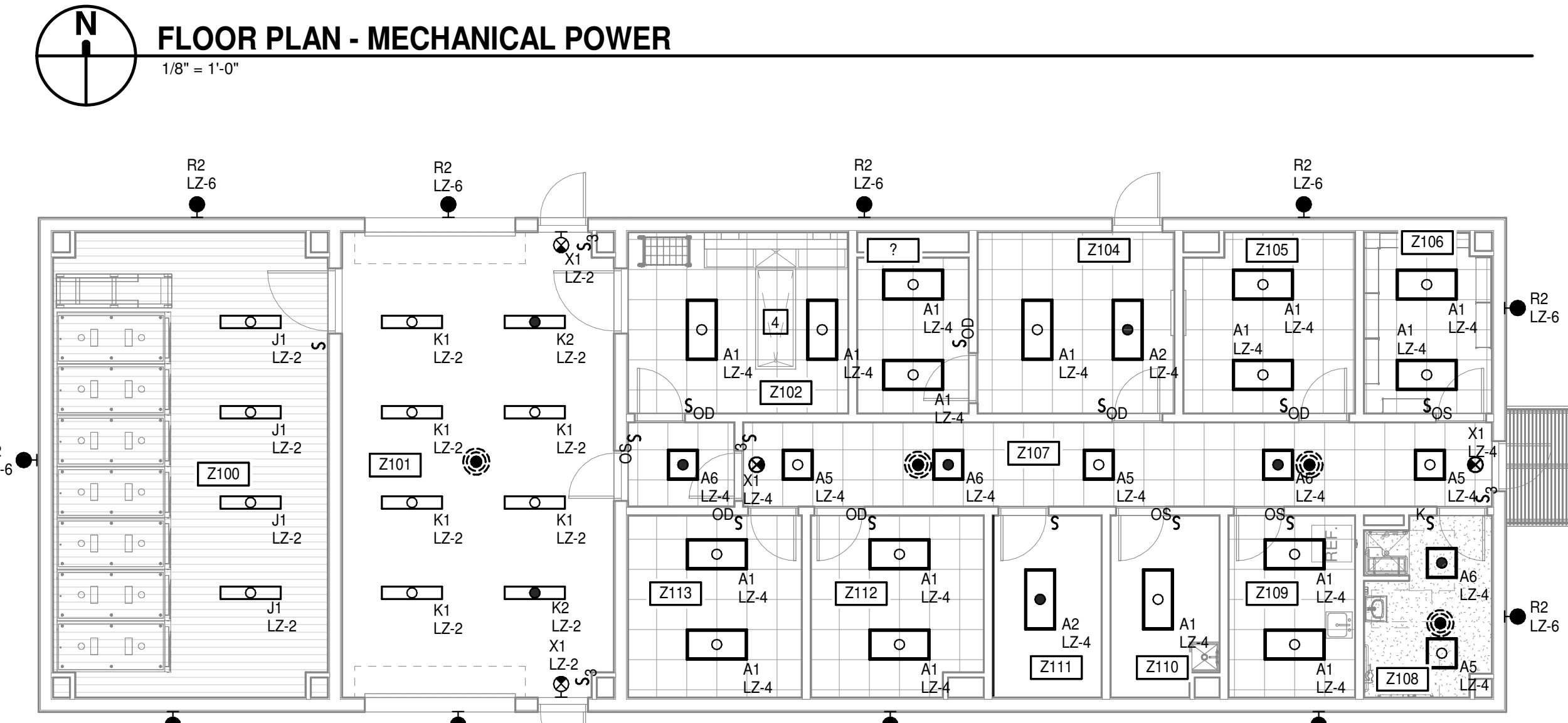
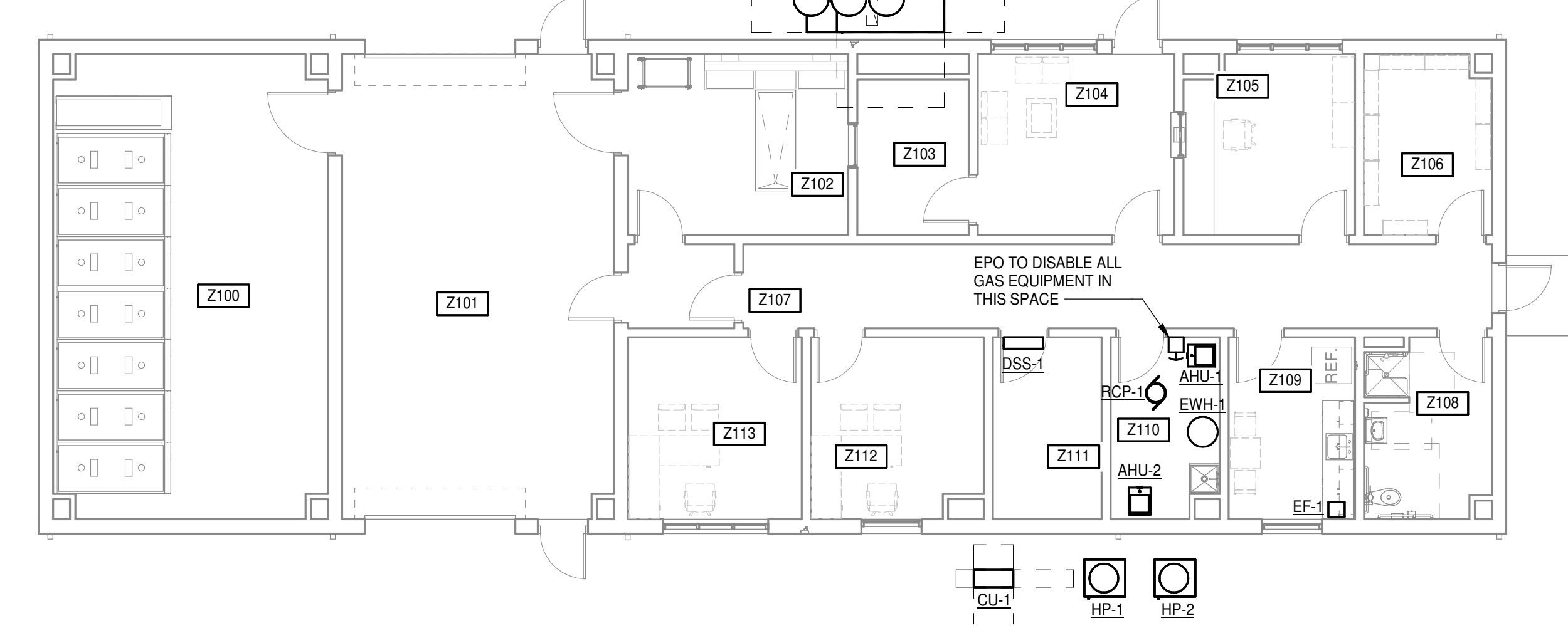
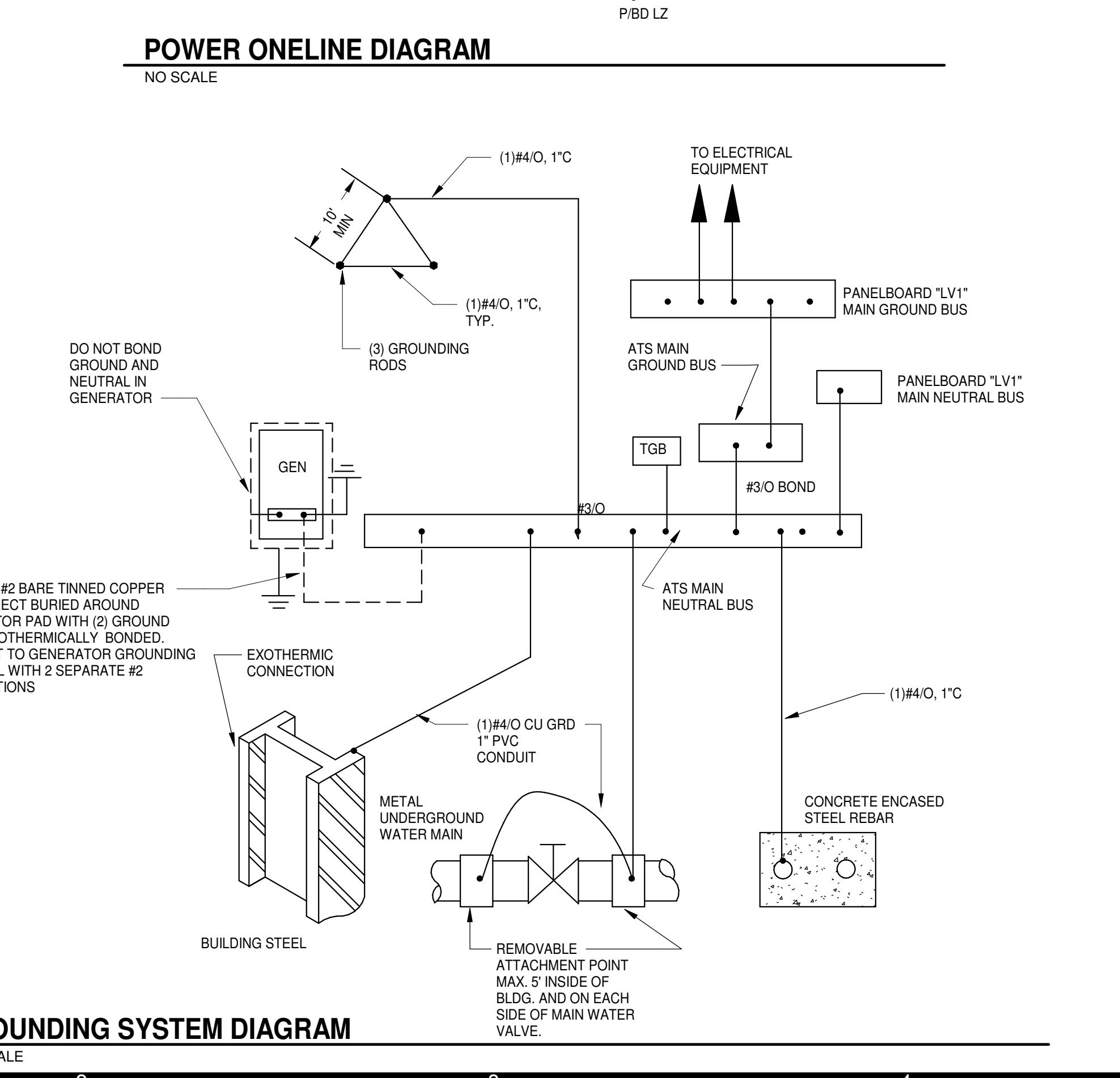
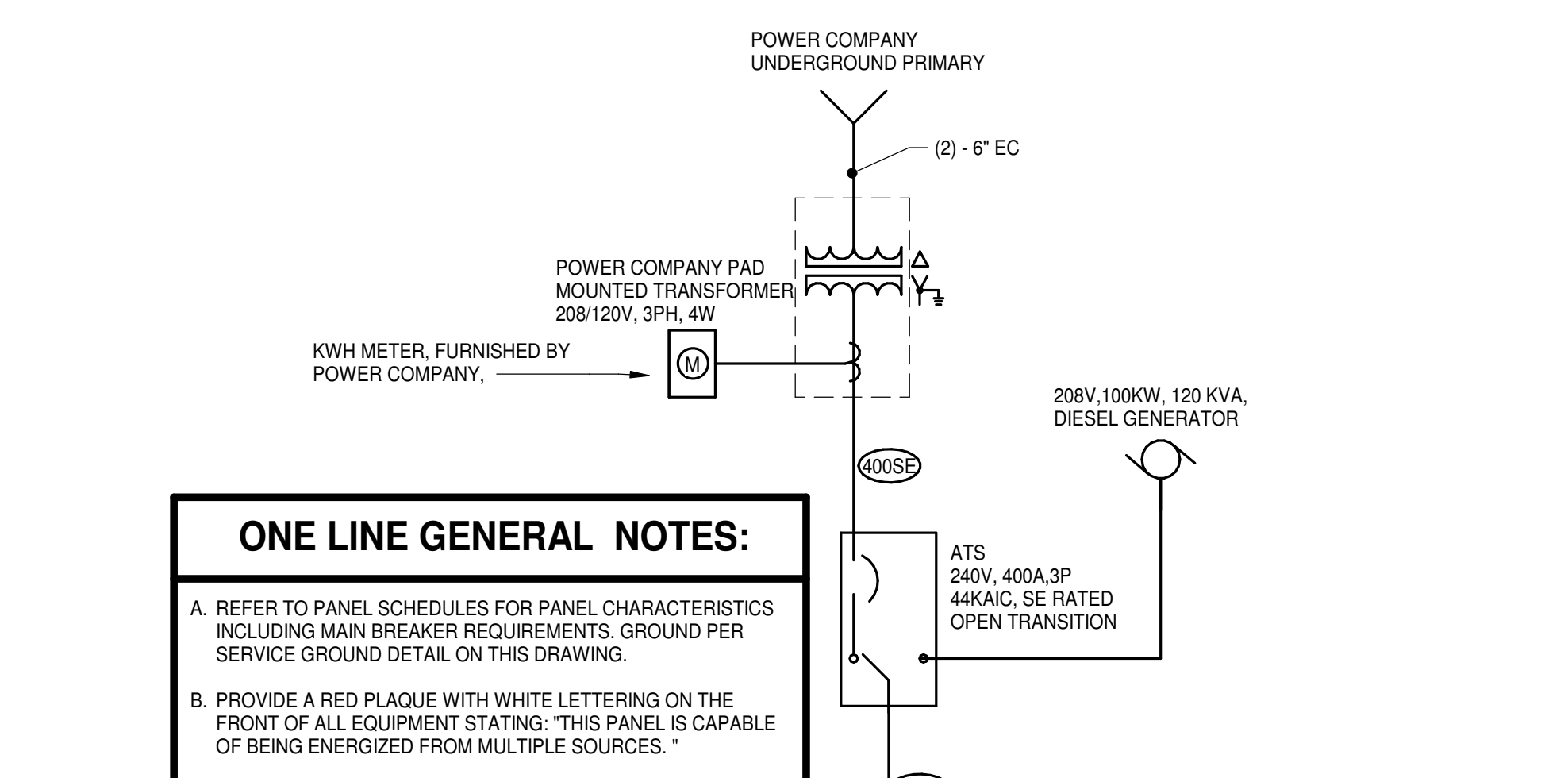
LEGENDS, ABBREVIATIONS AND GENERAL NOTES

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

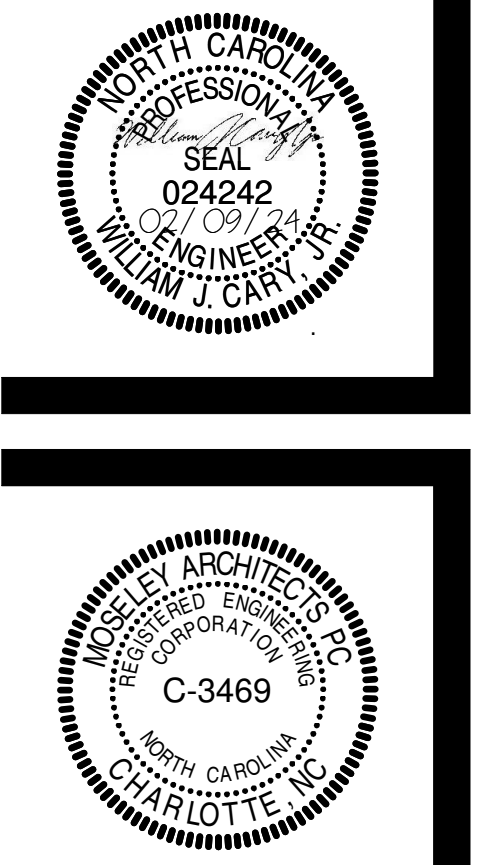
DIV 23 ELECTRICAL CONNECTION SCHEDULE										
TAG	VOLTAGE	# POLES	LOAD	PANEL	CCT#	WIRE	DISCONNECTING MEANS	REMARKS		
AHU-1	208 V	2	3.3 kVA	LZ	30.32	3#10.#10G.3/4"C	PROVIDED WITH UNIT			
AHU-2	208 V	2	3.3 kVA	LZ	34.36	3#10.#10G.3/4"C	PROVIDED WITH UNIT			
CU-1	208 V	2	0.0 kVA	LZ	38.40	2#12.#12G.3/4"C	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			0.4	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



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ELECTRICAL FLOOR PLANS
E2.1.1