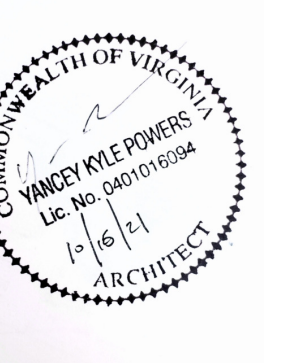


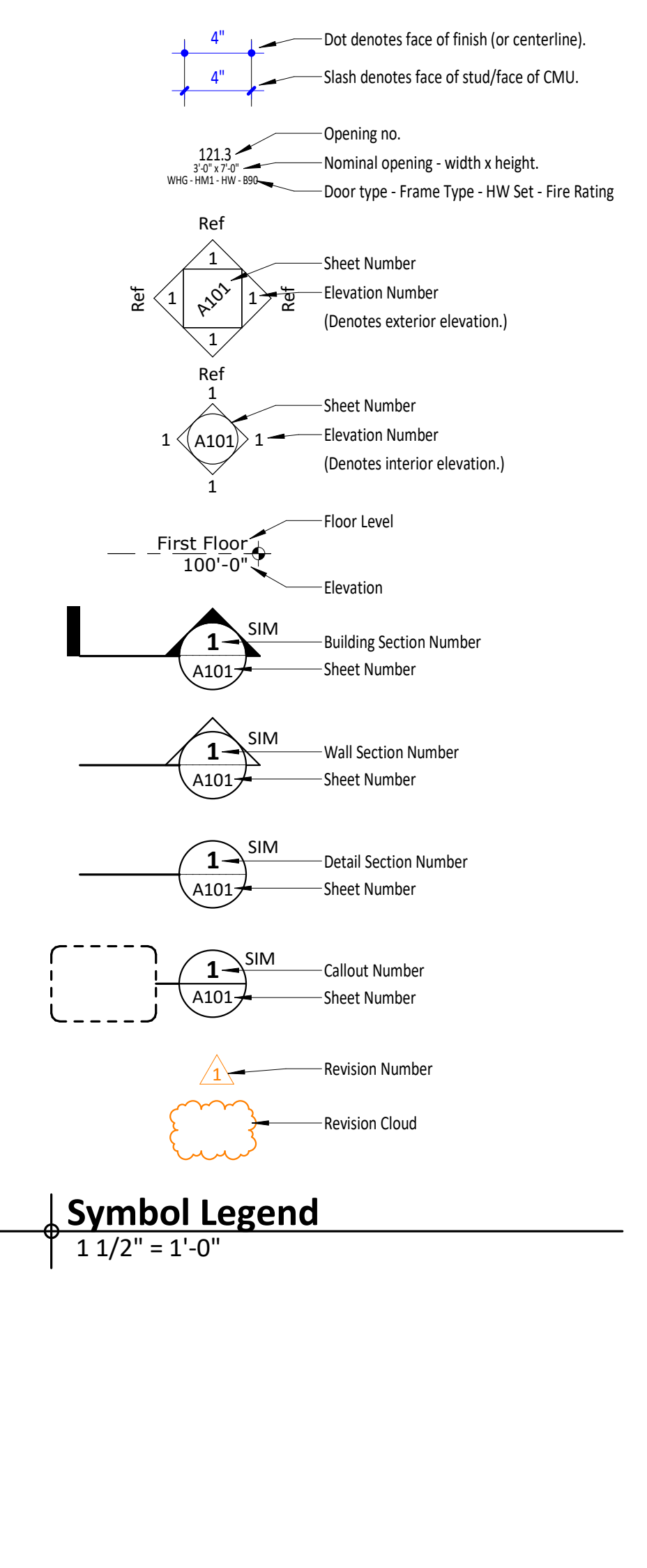
RENOVATIONS OF BAYWOOD TECHNOLOGY & COMMUNITY CENTER

247 Grammer Lane
Baywood, VA. 24333

10/13/2021 - CONSTRUCTION DOCUMENTS



ABBREVIATIONS			ABBREVIATIONS			ABBREVIATIONS			ABBREVIATIONS		
Abbreviation	ABBREV	TERM	Abbreviation	ABBREV	TERM	Abbreviation	ABBREV	TERM	Abbreviation	ABBREV	TERM
A	&, +	AND	D	DWR	DRAWER	K	KSF	KIPS PER SQUARE FOOT	R	RTU	ROOF TOP UNIT
A	@	AT	E	E	EAST	L	LAM	LAMINATE	S	S	SOUTH
A	A/C	AIR CONDITIONING	E	EA	EACH	L	LAV	LAVATORY	S	SA	SUPPLY AIR
A	AV	AUDIO/VISUAL	E	EB	EXPANSION BOLT	L	LB	POUNDS	S	SAF	SELF-ADHERED FLASHING
A	AB	ANCHOR BOLT	E	EJ	EXPANSION JOINT	L	LGMS	LIGHT GAUGE METAL STUD	S	SCHED	SCHEDULE
A	ACC	ACCESSIBLE	E	EL	ELEVATION	L	LH	LONG LEG HORIZONTAL	S	SCW	SOLID CORE WOOD
A	ACoust	ACOUSTICAL	E	ELEC	ELECTRICAL	L	LLV	LONG LEG VERTICAL	S	SD	STORM DRAIN
A	ACT	ACOUSTIC CEILING TILE	E	ELEV	ELEVATOR, ELEVATION	L	LT	LIGHT	S	SECT	SECTION
A	AD	AREA DRAIN	E	EMER	EMERGENCY	L	LVT	LUXURY VINYL TILE	S	SF	SQUARE FEET; SQUARE FOOT
A	ADJ	ADJACENT, ADJUSTABLE	E	ENCL	ENCLOSURE	M	M	M	S	SH	SPRINKLER HEAD
A	AFF	ABOVE FINISHED FLOOR	E	ENGR	ENGINEER	M	MAS	MASONRY	S	SHR	SHOWER
A	AFG	ABOVE FINISHED GRADE	E	EP	ELECTRICAL PANEL	M	MAX	MAXIMUM	S	SHT	SHEET
A	AGGR	AGGREGATE	E	EPDM	ETHYLENE PROPYLENE DIENE M-CLASS (ROOFING)	M	MB	MODIFIED BITUMEN (ROOFING)	S	SIM	SIMILAR
A	ALT	ALTERNATE	E	EQ	EQUAL	M	MECH	MECHANICAL	S	SM	SHEET METAL; SURFACE-MOUNTED
A	ALUM	ALUMINUM	E	EQUIP	EQUIPMENT	M	MED	MEDIUM	S	SP	STANDPIPE
A	ANOD	ANODIZED	E	EXH	EXHAUST	M	MEMB	MEMBRANE	S	SPC	SPECIFICATION; SPECIFIED
A	APC	ACOUSTICAL PANEL CEILING	E	EXST	EXISTING	M	MFR	MANUFACTURER	S	SPK	SPRINKLER OR SPEAKER
A	APPROX	APPROXIMATE	E	EXP	EXPANSION	M	MH	MANHOLE	S	SPKR	SPEAKER
A	ARCH	ARCHITECTURAL	E	EXT	EXTERIOR	M	MIN	MINIMUM	S	SQ	SQUARE
A	ASPH	ASPHALT	F	FA	FIRE ALARM	M	MISC	MISCELLANEOUS	S	SS	STAINLESS STEEL
A	ATTN	ATTENTION	F	FB	FACE BRICK	M	MO	MASONRY OPENING	S	SSK	SERVICE SINK
A	AUTO	AUTOMATIC	F	FD	FLOOR DRAIN; FIRE DEPARTMENT	M	MR	MOISTURE RESISTANT	S	STA	STATION
B	BCAB	BASE CABINET	F	FDC	FIRE DEPARTMENT CONNECTION	M	MTD	MOUNTED	S	STC	SOUND TRANSMISSION COEFFICIENT
B	BD	BOARD	F	FE	FIRE EXTINGUISHER	M	MTG	MOUNTING	S	STL	STEEL
B	BG	BUMPER GUARD	F	FEC	FIRE EXTINGUISHER CABINET	M	MTL	METAL	S	STOR	STORAGE
B	BIT	BITUMINOUS	F	FFB	FURNITURE, FIXTURES AND EQUIPMENT	M	MULL	MULLION	S	STRG	STRINGER
B	BL	BED LOCKATOR; BUILDING LINE	F	FFB	FURNITURE, FIXTURES AND EQUIPMENT	N	N	NORTH	S	STRUCT	STRUCTURE; STRUCTURAL
B	BLDG	BUILDING	F	FFE	FINISH FLOOR ELEVATION	N	N/A	NOT APPLICABLE	S	SUBCAT	SUBCATEGORY
B	BLK	BLOCK	F	FFH	FLAT HEAD, FIRE HYDRANT	N	NC	NOISE CRITERIA	S	SUSP	SUSPENDED
B	BLKG	BLOCKING	F	FHC	FIRE HOSE CABINET	N	NC	NOT IN CONTRACT	S	SYM	SYMMETRICAL
B	BM	BEAM	F	FIN	FINISH	N	NO	NUMBER	S	SYS	SYSTEM
B	BO	BOTTOM OF	F	FIXT	FIXTURE	N	NOM	NOMINAL	T	T	TREAD
B	BOT	BOTTOM	F	FLASH	FLASHING	N	NTS	NOT TO SCALE	T	T&B	TOP AND BOTTOM
B	BRG	BEARING	F	FLR	FLOOR	O	O	O	T	T&G	TONGUE AND GROOVE
B	BRK	BRICK	F	FLUOR	FLUORESCENT	O	O.C	OWNER-FURNISHED, CONTRACTOR-INSTALLED	T	TB	TOWEL BAR
B	BRKT	BRACKET	F	FND	FOUNDATION	O	O.D	OWNER-FURNISHED, OWNER-INSTALLED	T	TEL	TELEPHONE; TELECOM
B	BSMNT	BASEMENT	F	FO	FACE OF	O	O/C	ON CENTER	T	TELE	TELEPHONE
B	BUR	BUILT-UP ROOFING	F	FP	FIRE PROTECTION	O	OA	OUTSIDE AIR	T	TEMP	TEMPERATURE, TEMPORARY
C	C	CHANNEL	F	FPG	FIREPROOFING	O	OD	OUTSIDE DIAMETER, OVERFLOW DRAIN	T	TEMP	TEMPORARY
C	C.C	CONTRACTOR-FURNISHED, CONTRACTOR-INSTALLED	F	FR	FIRE RESISTANT	O	OD	OVERFLOW DRAIN	T	THK	THICKNESS
C	CAB	CABINET	F	FR	FIBER REINFORCED CONCRETE	O	OFF	OFFICE	T	THRU	THROUGH
C	CAT	CATEGORY	F	FRP	FIBER REINFORCED PANEL	O	OH	OVERHEAD	T	TKBD	TACK BOARD
C	CATV	CABLE TELEVISION	F	FRT	FIRE RETARDANT TREATED	O	OPNG	OPENING	T	TLT	TOILET
C	CB	CATCH BASIN, CEMENT BOARD	F	FT	FEET; FOOT	O	OPP	OPPOSITE	T	TMPD	TEMPERED
C	CBU	CEMENTITIOUS BACKER UNIT	F	FTG	FOOTING	O	ORD	OVERFLOW ROOF DRAIN	T	TO	TOP OF
C	CC	CENTER-TO-CENTER	F	FURN	FURNITURE	P	P	PAINT	T	TOB	TOP OF BEAM
C	CCTV	CLOSED-CIRCUIT TELEVISION	F	FURR	FURRING	P	PAV	PAVING	T	TOC	TOP OF CONCRETE
C	CEM	CEMENT	F	FWC	FABRIC WALL COVERING	P	PB	PARTICLE BOARD	T	TOS	TOP OF STEEL
C	CER	CERAMIC	F	FWP	FABRIC WRAPPED PANEL	P	PC	PRECAST	T	TV	TELEVISION
C	CG	CORNER GUARD	G	GA	GAUGE	P	PC	PRECAST	T	TYP	TYPICAL
C	CH	CHILLER	G	GA	GAUGE	P	PDF	POWER DRIVEN FASTENER	U	UNFIN	UNFINISHED
C	CI	CAST-IRON	G	GB	GRAB BAR	P	PEMB	PRE-ENGINEERED METAL BUILDING	U	UNO	UNLESS NOTED OTHERWISE
C	CIP	CAST-IN-PLACE	G	GB	GYPSUM (WALL) BOARD	P	PERF	PERFORATED	U	UNO	UNLESS NOTED OTHERWISE
C	CI	CONTROL JOINT, CONSTRUCTION JOINT	G	GB, GWB	GYPSUM (WALL) BOARD	P	PERM	PERIMETER	U	UNO	UNLESS NOTED OTHERWISE
C	CL	CENTERLINE	G	GC	GENERAL CONTRACTOR	P	PERP	PERPENDICULAR	U	URNL	URINAL
C	CLG	CEILING	G	GEN	GENERAL	P	PL	PLATE	V	VAR	VARIES
C	CLR	CLEAR	G	GFRC	GLASS FIBER REINFORCED CONCRETE	P	PLAM	PLASTIC LAMINATE	V	VCT	VINYL COMPOSITION TILE
C	CMU	CONCRETE MASONRY UNIT	G	GL	GLASS	P	PLAS	PLASTER	V	VERT	VERTICAL
C	CNTR	CENTER, COUNTER	G	GLAZ	GLAZING	P	PLAS	PLASTER	V	VEST	VESTIBULE
C	CO	CASED OPENING, CLEANOUT	G	GRAN	GRANULAR	P	PLBG	PLUMBING	V	VIF	VERIFY IN FIELD
C	COL	COLUMN	G	GRD	GROUND	P	PLF	POUNDS PER LINEAL FOOT	V	VP	VISION PANEL
C	CONC	CONCRETE	G	GRD	GROUND	P	PLYWD	PLYWOOD	V	VW	VAPOR RETARDER
C	COND	CONDITION	G	GRFG	GLASS FIBER REINFORCED GYPSUM	P	PNL	PANEL	V	VRC	VINYL WALL COVERING
C	COND	CONDITION	G	GSM	GALVANIZED SHEET METAL	P	PNT	PANT; PAINTED	W	W	WIDE; WEST
C	CONN	CONNECTION	G	GV	GAS VALVE	P	POL	POLISHED	W	WJ	WITH
C	CONST	CONSTRUCTION	G	GYP	GYPSUM	P	PAIR	PAIR	W	W/O	WITHOUT
C	CONT	CONTINUOUS	H	H	HEIGHT	P	PREFAB	PREFABRICATED	W	WC	WATER CLOSET
C	CONTR	CONTRACTOR	H	H, HT	HIGH; HEIGHT	P	PROJ	PROJECT	W	WD	WOOD
C	COORD	COORDINATE	H	HB	HOSE BIB	P	PSF	POUNDS PER SQUARE FOOT	W	WIN	WINDOW
C	CORR	CORRIDOR	H	HC	ACCESSIBLE	P	PT	POINT, PRESSURE-TREATED	W	WP	WATERPROOF; WATERPROOFING
C	CPT	CARPET	H	HDWD	HARDWOOD	P	PTD	PAINTED	W	WPM	WATERPROOF MEMBRANE
C	CR	CRASH RAIL	H	HDWR	HARDWARE	P	PTN	PARTITION	W	WS	WEATHER-STRIPPING
C	CSS	CLINICAL SERVICE SINK	H	HGT	HEIGHT	P	PTN	PARTITION	W	WSCT	WEATHER-STRIPPING
C	CT	CERAMIC TILE	H	HM	HOLLOW METAL	Q	QT	QUARRY TILE	W	WT	WEIGHT
C	CTR	CENTER	H	HNDRL	HANDRAIL	Q	QTY	QUANTITY	W	WV	WATER VALVE
C	CTS	COUNTERSINK	H	HO	HOLD OPEN	R	R	RADIUS, RISER	W	WWF	WELDED WIRE FABRIC
C	CW	COLD WATER, CURTAIN WALL	H	HORIZ	HORIZONTAL	R	RA	RETURN AIR	W	WWM	WELDED WIRE MESH
D	D	DEEP, DEPTH	H	HRC	HOSE REEL CABINET	R	RAD	RADIUS			
D	DBL	DOUBLE	H	HSS	HOLLOW STRUCTURAL SECTION	R	RB	RESILIENT BASE			
D	DEG	DEGREE	H	HTG	HEATING	R	RR	RUBBER			
D	DEMO	DEMOLISH; DEMOLITION	H	HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	R	RCP	REFLECTED CEILING PLAN			
D	DEPT	DEPARTMENT	H	HW	HOT WATER; HAND WASH	R	RD	ROOF DRAIN			
D	DF	DRINKING FOUNTAIN	I	ID	INSIDE DIAMETER	R	REC	RECESSED			
D	DIA	DIAMETER	I	IN	INCH; INCHES	R	RECP	RECEPTACLE			
D	DIFF	DIFFUSER	I	INCAND	INCANDESCENT	R	REF	REFERENCE			
D	DIM	DIMENSION	I	INCL	INCLUDED; INCLUDING	R	REFR	REFRIGERATOR			
D	DIMS	DIMENSIONS	I	INFO	INFORMATION	R	REG	REGISTER			
D	DISP	DISPENSER	I	INSUL	INSULATED; INSULATION	R	REIN	REINFORCED; REINFORCING			
D	DIV	DIVISION	I	INT	INTERIOR	R	RELOC	RELOCATE			
D	DMFF	DAMP PROOFING	I	INTV	INVERT	R	REM	REMOVABLE			
D	DN	DOWN	J	JAN	JANITOR	R	REQ	REQUIRED; REQUIRED			
D	DO	DOOR OPENING	J	JAN	JANITOR	R	REQD	REQUIRED			
D	DR	DOOR	J	JC	JANITOR'S CLOSET	R	RESIL	RESILIENT			
D	DRN	DRAIN	J	JST	JOIST	R	REV	REVISION; REVISED			
D	DS	DOWNSPOUT	J	JT	JOINT	R	RM	ROOM			
D	DTL	DETAIL	K	K	KIP (1000 POUNDS)	R	RO	ROUGH OPENING			
D	DW	DISHWASHER	K	K	KIP (1000 POUNDS)	R	RTD	RATED			
D	DWG	DRAWING	K	KIT	KITCHEN	R	RTG	RATING			
D	DWMS	DRYWALL METAL STUD	K	KO	KNOCK OUT						
D			K	KP	KICK PLATE						



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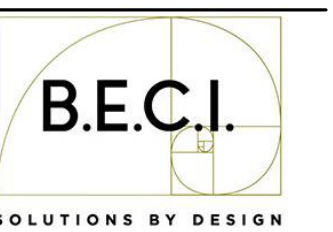
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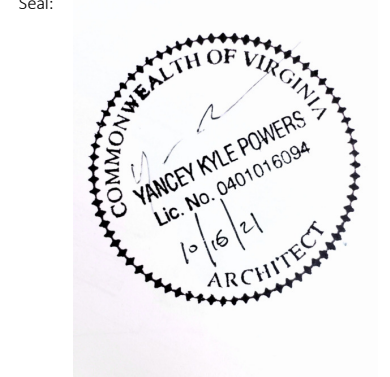
Sheet Number	Sheet Name
General	
G0-0	Cover Sheet
LS-1	Life Safety Plan and Information
Architecture	
A1-0	Area Plan
A1-1	First Floor Phase 1 Tri-Area Demo and New Work
A1-2	First Floor Phase 1 Community Education Demo and New Work
A2-2	Door Schedule and Details
A2-3	Window Schedule and Details
A3-2	Canopy Details
A4-1A	Wall Types and Details - Metal Framing
A4-1C	Wall Types and Details - Masonry
A5-2	Interior Elevations and Casework Details - Phase 1
A6-1	RCP- Phase 1
A7-1	Finish Plan - Phase 1
A7-2	Equipment Plan - Phase 1, Toilet Accessories, and ADA Legend
Mechanical	
M0-01	HVAC Title Sheet
M1-01	First Floor Phase 1 Overall Mechanical Plan
M1-02	Roof Mechanical Plan
M2-01	First Floor Phase 1 Enlarged Mechanical Plan
M2-02	First Floor Phase 1 Enlarged Mechanical Plan
M5-01	Mechanical Details
M6-01	Mechanical Schedules
Plumbing	
P0-01	Plumbing Title Sheet
P1-01	First Floor Phase 1 Medical Area Plumbing Plan
P1-02	First Floor Phase 1 Restroom Plumbing Plan
P01-01	First Floor Plumbing Demolition Phasing Plan
P01-02	Second Floor Plumbing Demolition Phasing Plan
Electrical	
E0-1	Electrical Cover Sheet
E0-2	Electrical Rise Diagram & Electrical Schedules
E-1-0	Overall Lighting Plan
E-1-1	Enlarged Lighting Plans
E-1-2	Enlarged Lighting Plans
E-2-0	Overall Power & Fire Alarm Plan
E-2-1	Enlarged Power & Fire Alarm Plan
E-2-2	Enlarged Power & Fire Alarm Plan
E-3	Roof HVAC Electrical & Power Plan
E0-1	Electrical Demo Plan

Renovations of
Baywood Technology & Community Center
Address
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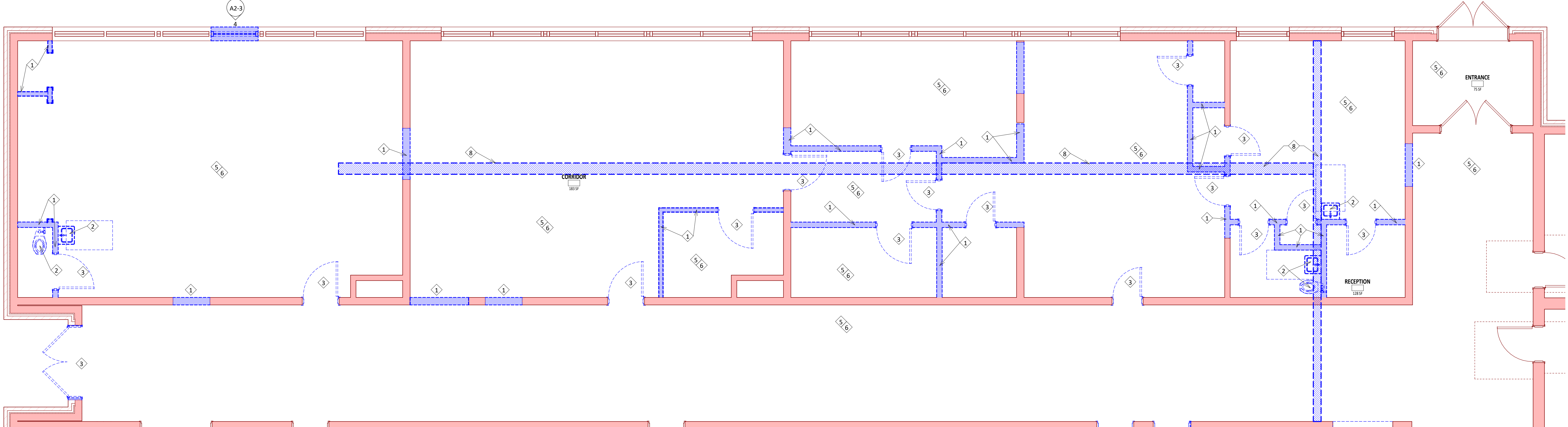
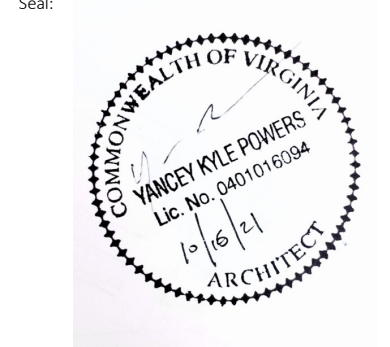
Renovations of
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 Project Status: Working Drawings
 Revision No. (if any): Revision Date:
 Project No.: 2021-003 Current Date: 10/14/21
 Drawing Name: Area Plan

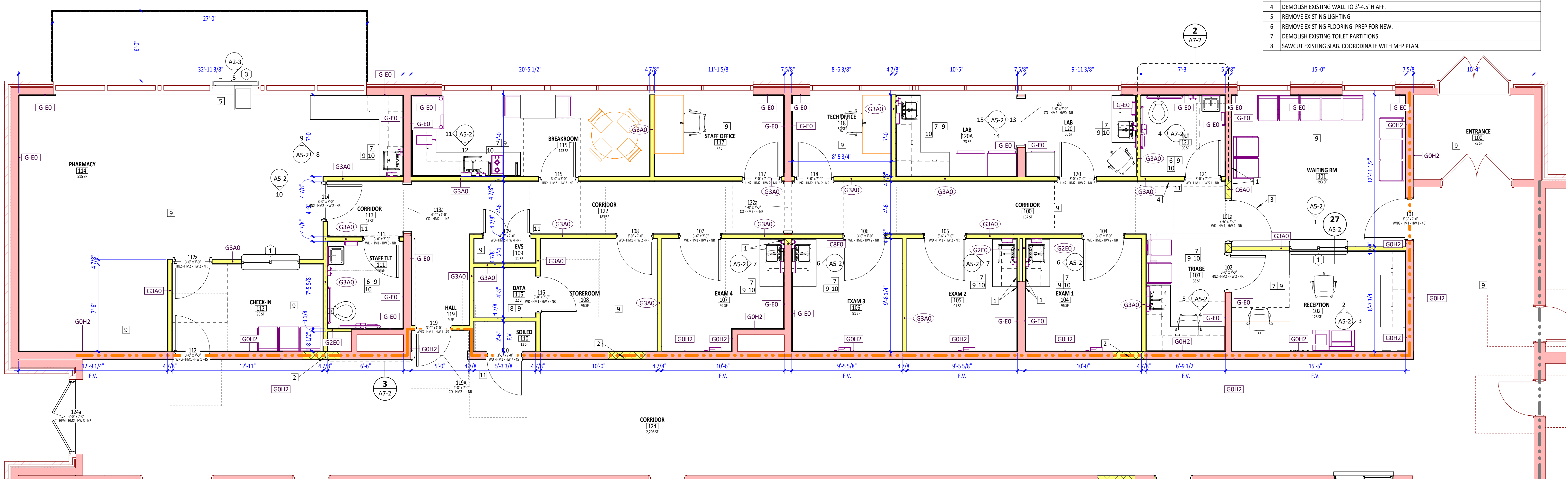


1 | Floor Plan - Level 1 Area Plan
 A1-0 | 3/16" = 1'-0"



1 First Floor Plan - Phase 1.1 Demolition
A1-1 1/4" = 1'-0"

NO.	DESCRIPTION
1	DEMOLISH EXISTING WALL
2	EXISTING PLUMBING FIXTURE TO BE DEMOLISHED. CAP LINES AS REQUIRED.
3	EXISTING DOOR AND FRAME TO BE DEMOLISHED.
4	DEMOLISH EXISTING WALL TO 3'-4.5" AFF.
5	REMOVE EXISTING LIGHTING
6	REMOVE EXISTING FLOORING. PREP FOR NEW.
7	DEMOLISH EXISTING TOILET PARTITIONS
8	SAW CUT EXISTING SLAB. COORDINATE WITH MEP PLAN.



2 First Floor Plan - Phase 1.1 New Work
A1-1 1/4" = 1'-0"

NO.	DESCRIPTION
1	ALIGN NEW WALL WITH EXISTING
2	INFILL WALL TO MATCH EXISTING CONSTRUCTION.
3	PROVIDE SOUND SEALS FOR DOOR.
4	REMOVE WATER SHUT OFF
5	PROVIDE WINDOW SPEAKER
6	INSTALL NEW PLUMBING FIXTURES
7	INSTALL NEW CASEWORK
8	PROVIDE 4X8 SHEET OF DEDICATED PLYWOOD FOR MOUNTING DATA EQUIPMENT
9	REMOVE OLD FINISHES AS REQUIRED, PREPARE ROOM FOR NEW FINISHES, AND INSTALL NEW FINISHES AS SCHEDULED.
10	INSTALL EQUIPMENT AND ACCESSORIES
11	PROVIDE NEW DOOR SIGNAGE

NO.	DESCRIPTION
1	ALIGN NEW WALL WITH EXISTING
2	INFILL WALL TO MATCH EXISTING CONSTRUCTION.
3	PROVIDE SOUND SEALS FOR DOOR.
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10	INSTALL EQUIPMENT AND ACCESSORIES
11	PROVIDE NEW DOOR SIGNAGE

DEMOLITION NOTES

- OWNER IS RESPONSIBLE FOR REMOVING ANY FURNITURE PRIOR TO CONSTRUCTION
- DEMOLITION PLAN IS NOT ALL INCLUSIVE. ADDITIONAL DEMOLITION WORK MAY BE REQUIRED FOR INSTALLING NEW WORK. SEE MECHANICAL, PLUMBING AND ELECTRICAL DWGS FOR DEMOLITION IN THOSE TRADES. IN AREAS OR ROOMS WHERE ARCHITECTURAL DEMOLITION IS NOT INDICATED AND MECHANICAL, PLUMBING AND ELECTRICAL IS REQUIRED, REMOVE AND REPAIR ANY ITEMS TO ACCOMMODATE WORK REQUIRED AND RESTORE AREA TO ORIGINAL CONDITIONS BEFORE WORK PROCEEDS.
- PROTECT ALL EXISTING CONDITIONS THAT ARE TO REMAIN, AS NECESSARY, DURING DEMOLITION PHASE OF CONSTRUCTION. REPAIR ALL DAMAGE PROMPTLY TO ORIGINAL CONDITION.
- DEMOLITION SHALL INCLUDE ANY REMOVAL OF EXISTING MATERIALS TO MAKE PROVISION FOR NEW FINISHES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL EXISTING CONDITIONS. THE ARCHITECT IS TO BE NOTIFIED OF ANY DISCREPANCIES AND ANY DISCREPANCIES RECTIFIED BEFORE WORK IS TO RESUME.
- ALL STRUCTURAL ITEMS THAT SEEM TO BE SUSPECT FOR REPLACEMENT SHALL BE INSPECTED BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER TO DETERMINE IF THEY SHOULD BE REPLACED. ALL STRUCTURAL ITEMS THAT ARE DAMAGED AND NEED REPLACING WILL BE TAGGED BY THE STRUCTURAL ENGINEER AND REPLACED BY THE CONTRACTOR BEFORE ANY OTHER WORK BEGINS.
- ALL DEMOLITION WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE NOISE, DUST AND DISTURBANCE TO THE OTHER TENANTS.
- THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES ALL EXISTING SMOKE AND FIRE PROTECTION SYSTEMS.
- THE CONTRACTOR SHALL AT ALL TIMES KEEP ALL EXISTING ACCESS/ EGRESS PATHWAYS FREE AND CLEAR OF DEBRIS.

GENERAL FLOOR PLAN NOTES

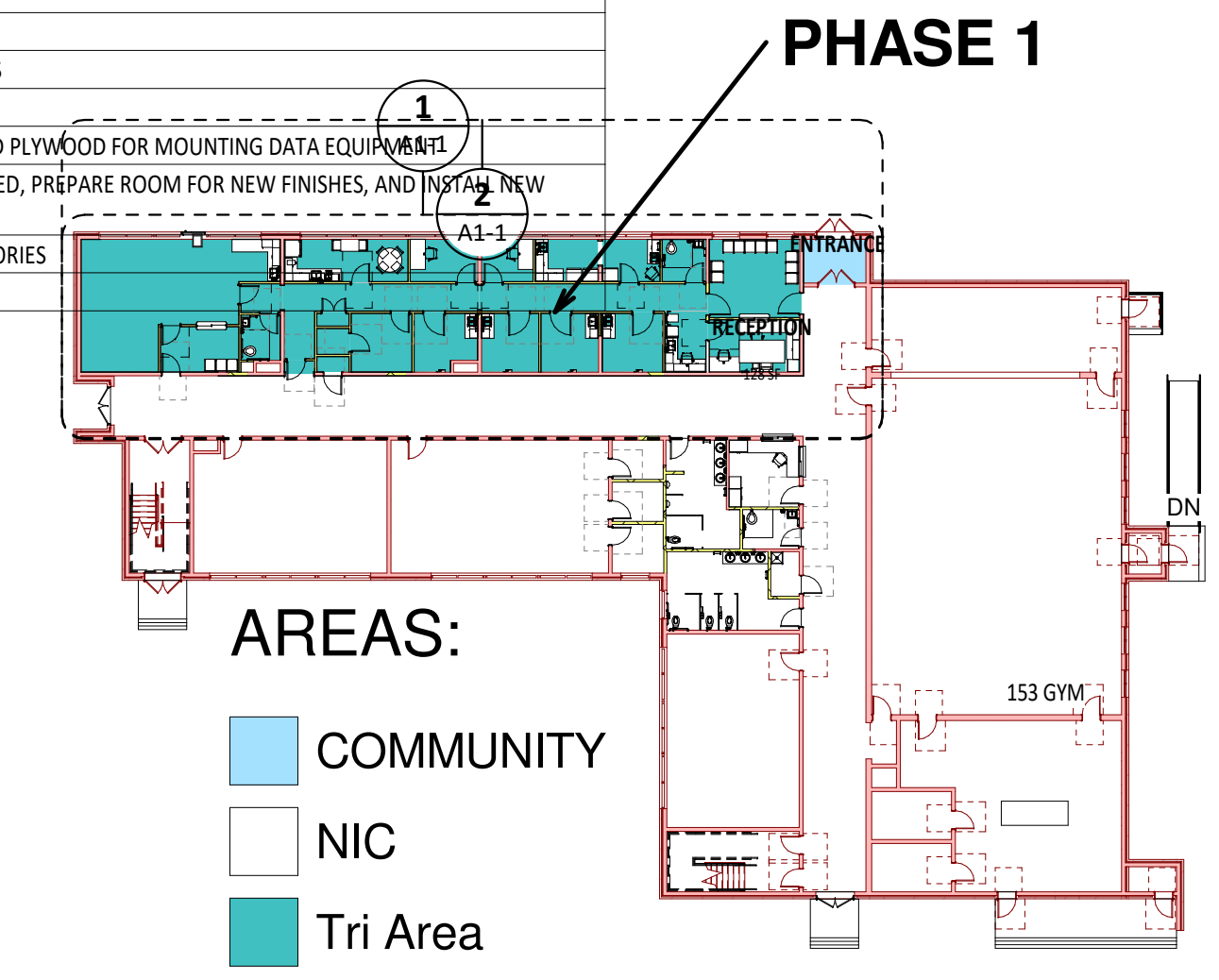
- CONTRACTOR TO INSTALL ADA ROOM SIGNAGE AT ALL RESTROOMS, JANITORS CLOSETS, SOILED UTILITY ROOMS, AND OTHER NOTED LOCATIONS. CONTRACTOR TO VERIFY WITH OWNER SIGNAGE TYPE.
- CONTRACTOR TO PAINT ALL EXTERIOR DOORS AND FRAMES AN EXTERIOR GRADE, SEMI-GLOSS PAINT - COLOR: SHERWIN WILLIAMS GAUNTLETT GRAY SW 705.
- CONTRACTOR TO CLEAN AND RE-TOUCH UP THE FINISH AS NEEDED OF ALL PHASE 1 EXISTING TO REMAIN INTERIOR DOORS.

PARTITION TYPE LEGEND

WALL TYPES	WALL TYPE	SYMBOL DESIGNATION	FOR WALL TYPES INDICATED TO RECEIVE SOUND ATTENUATION, EXTEND SOUND ATTENUATION TO FULL HEIGHT OF WALL UNLESS OTHERWISE INDICATED. REFER TO INDIVIDUAL WALL TYPE MODIFIER FOR STC RATINGS.
C CMU (MAY HAVE FURRING)	STUD/CMU WIDTH	X/XX/XX	NO SOUND ATTENUATION
G GYPSUM BOARD WITH METAL STUDS	WALL TYPE MODIFIER	X/XX/XX	NO SOUND ATTENUATION
S SHEAFWALL	WALL TYPE MODIFIER	X/XX/XX	NO SOUND ATTENUATION
W GYPSUM BOARD WITH WOOD STUDS	WALL TYPE MODIFIER	X/XX/XX	NO SOUND ATTENUATION

STUD/CMU WIDTH	WALL TYPE MODIFIER	FIRE RATING OR PARTITION HEIGHT
0	A. 5/8" GYP BD EA SIDE. (NO SAB + STC 40; W/R-11 SAB + STC 48)	0 NON-RATED, EXTEND FINISH 6-INCHES ABOVE CEILING.
1	B. 5/8" GYP BD EA SIDE - UL DESIGN U419. (NO SAB + STC 40; W/R-11 SAB + STC 48)	F NON-RATED FULL HEIGHT TO STRUCTURE.
2	C. 5/8" GYP BD (X 2 LAYERS) EA SIDE - UL DESIGN U419. (NO SAB + STC 50; W/R-11 SAB + STC 53)	S NON-RATED SMOKE PARTITION
3	D. 1" GYP BD SHIRT SIDE, 1/2" GYP BD (X 2 LAYERS) OPP SIDE - UL DESIGN U438. (NO SAB + STC 38; W/5/8" MIN FIBER + STC 50.	B 1 HOUR RATED FIRE/SMOKE BARRIER
4	E. 5/8" GYP BD - EXPOSED SIDE ONLY.	C 2 HOUR RATED FIRE/SMOKE BARRIER
5	F. NO SHEATHING ON CMU.	1 1 HOUR RATED FIRE PARTITION
6	G. 5/8" GYP BD ON 7/8" HAT CHNL. - EACH SIDE OF CMU.	2 2 HOUR RATED FIRE BARRIER
7	H. 5/8" GYP BD ON 7/8" HAT CHNL. - EXPOSED SIDE OF CMU.	H EXTEND CMU TO NEXT FULL COURSE ABOVE CEILING (4-INCH MINIMUM ABOVE CEILING.
8		X SEE BLDG SECTION/ELEVATION FOR HEIGHT.

LEGEND - WALL TYPES - HORIZONTAL
1 1/2" = 1'-0"



5 First Floor Plan - Phase 1 Tri-Area Key Plan
A1-1 1" = 30'-0"

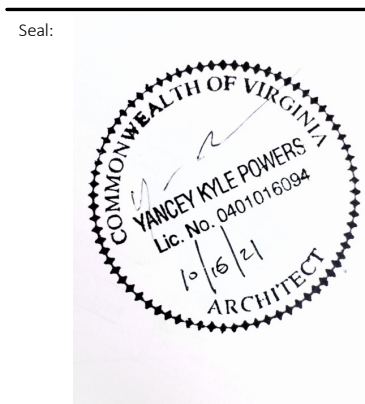
Renovations of
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Project Status: Working Drawings
Revision No (if any): Revision Date:
Project No: 2021-003 Current Date: 10/14/21
Drawing Name: First Floor Phase 1 Tri-Area Demo and New Work
Drawing No: A1-1



Renovations of
**Baywood
Technology &
Community Center**

Address
Address



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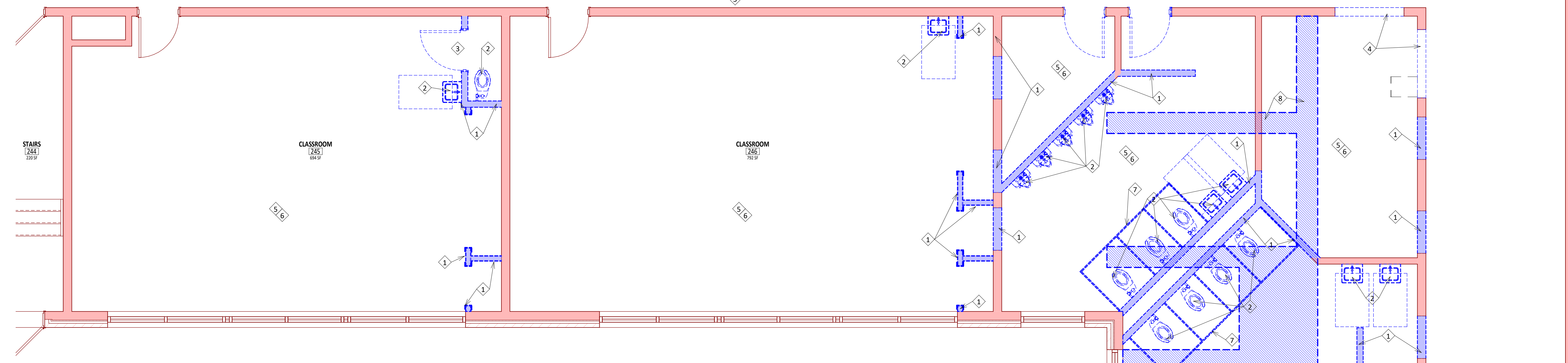
Project Status: Working Drawings
Revision No. (if any): Revision Date: 2021-003 10/14/21
Drawing Name: First Floor Plan Phase 1 Community Education Demo and New Work
Drawing No: A1-2

DEMOLITION NOTES

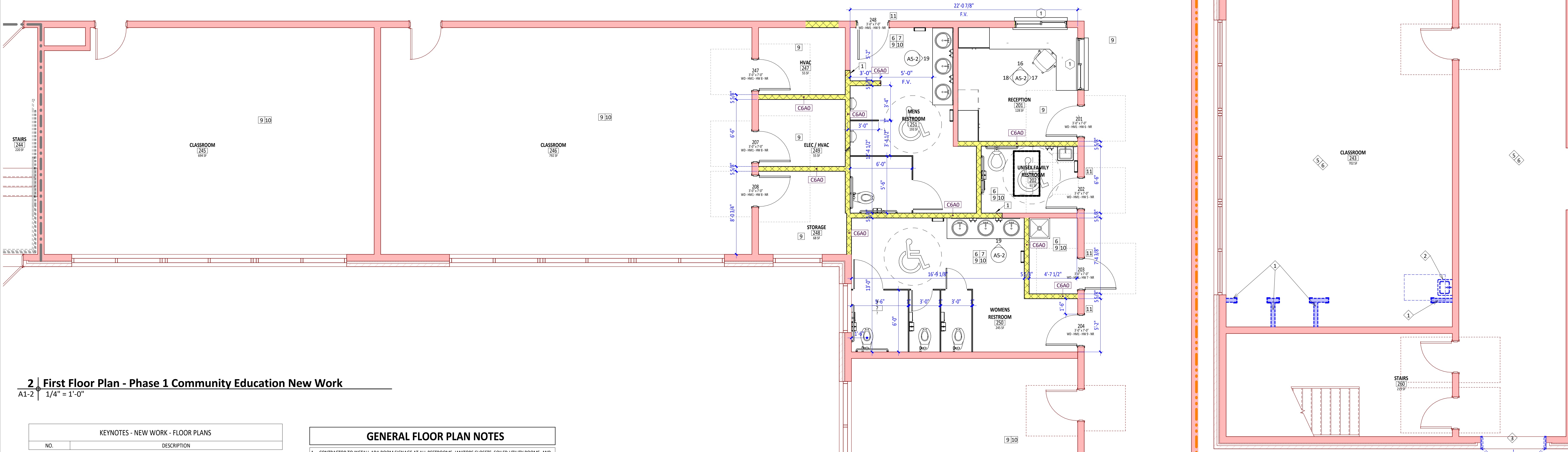
- OWNER IS RESPONSIBLE FOR REMOVING ANY FURNITURE PRIOR TO CONSTRUCTION.
- DEMOLITION PLAN IS NOT ALL INCLUSIVE. ADDITIONAL DEMOLITION WORK MAY BE REQUIRED FOR INSTALLING NEW WORK. SEE MECHANICAL, PLUMBING AND ELECTRICAL DWGS FOR DEMOLITION IN THOSE TRADES. IN AREAS OR ROOMS WHERE ARCHITECTURAL DEMOLITION IS NOT INDICATED AND MECHANICAL, PLUMBING AND ELECTRICAL IS REQUIRED, REMOVE AND REPAIR ANY ITEMS TO ACCOMMODATE WORK REQUIRED AND RESTORE AREA TO ORIGINAL CONDITIONS BEFORE WORK PROCEEDS.
- PROTECT ALL EXISTING CONDITIONS THAT ARE TO REMAIN, AS NECESSARY, DURING DEMOLITION PHASE OF CONSTRUCTION. REPAIR ALL DAMAGE PROMPTLY TO ORIGINAL CONDITION.
- DEMOLITION SHALL INCLUDE ANY REMOVAL OF EXISTING MATERIALS TO MAKE PROVISION FOR NEW FINISHES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL EXISTING CONDITIONS. THE ARCHITECT IS TO BE NOTIFIED OF ANY DISCREPANCIES AND ANY DISCREPANCIES RECTIFIED BEFORE WORK IS TO RESUME.
- ALL STRUCTURAL ITEMS THAT SEEM TO BE SUSPECT FOR REPLACEMENT SHALL BE INSPECTED BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER TO DETERMINE IF THEY SHOULD BE REPLACED. ALL STRUCTURAL ITEMS THAT ARE DAMAGED AND NEED REPLACING WILL BE TAGGED BY THE STRUCTURAL ENGINEER AND REPLACED BY THE CONTRACTOR BEFORE ANY OTHER WORK BEGINS.
- ALL DEMOLITION WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE NOISE, DUST AND DISTURBANCE TO THE OTHER TENANTS.
- THE CONTRACTOR SHALL MAINTAIN AT ALL TIMES ALL EXISTING SMOKE AND FIRE PROTECTION SYSTEMS.
- THE CONTRACTOR SHALL AT ALL TIMES KEEP ALL EXISTING ACCESS/ EGRESS PATHWAYS FREE AND CLEAR OF DEBRIS.

KEYNOTES - DEMOLITION - FLOOR PLANS

NO.	DESCRIPTION
1	DEMOLISH EXISTING WALL
2	EXISTING PLUMBING FIXTURE TO BE DEMOLISHED. CAP LINES AS REQUIRED.
3	EXISTING DOOR AND FRAME TO BE DEMOLISHED.
4	DEMOLISH EXISTING WALL TO 3'-4.5" H AFF.
5	REMOVE EXISTING LIGHTING
6	REMOVE EXISTING FLOORING. PREP FOR NEW.
7	DEMOLISH EXISTING TOILET PARTITIONS
8	SAWCUT EXISTING SLAB. COORDINATE WITH MEP PLAN.



1 First Floor Plan - Phase 1 Community Education Demolition
A1-2 1/4" = 1'-0"



2 First Floor Plan - Phase 1 Community Education New Work
A1-2 1/4" = 1'-0"

KEYNOTES - NEW WORK - FLOOR PLANS

NO.	DESCRIPTION
1	ALIGN NEW WALL WITH EXISTING
2	INFILL WALL TO MATCH EXISTING CONSTRUCTION.
3	PROVIDE SOUND SEALS FOR DOOR.
4	REMOTE WATER SHUT OFF
5	PROVIDE WINDOW SPEAKER
6	INSTALL NEW PLUMBING FIXTURES
7	INSTALL NEW CASEWORK
8	PROVIDE 4X8 SHEET OF DEDICATED PLYWOOD FOR MOUNTING DATA EQUIPMENT
9	REMOVE OLD FINISHES AS REQUIRED, PREPARE ROOM FOR NEW FINISHES, AND INSTALL NEW FINISHES AS SCHEDULED.
10	INSTALL EQUIPMENT AND ACCESSORIES
11	PROVIDE NEW DOOR SIGNAGE

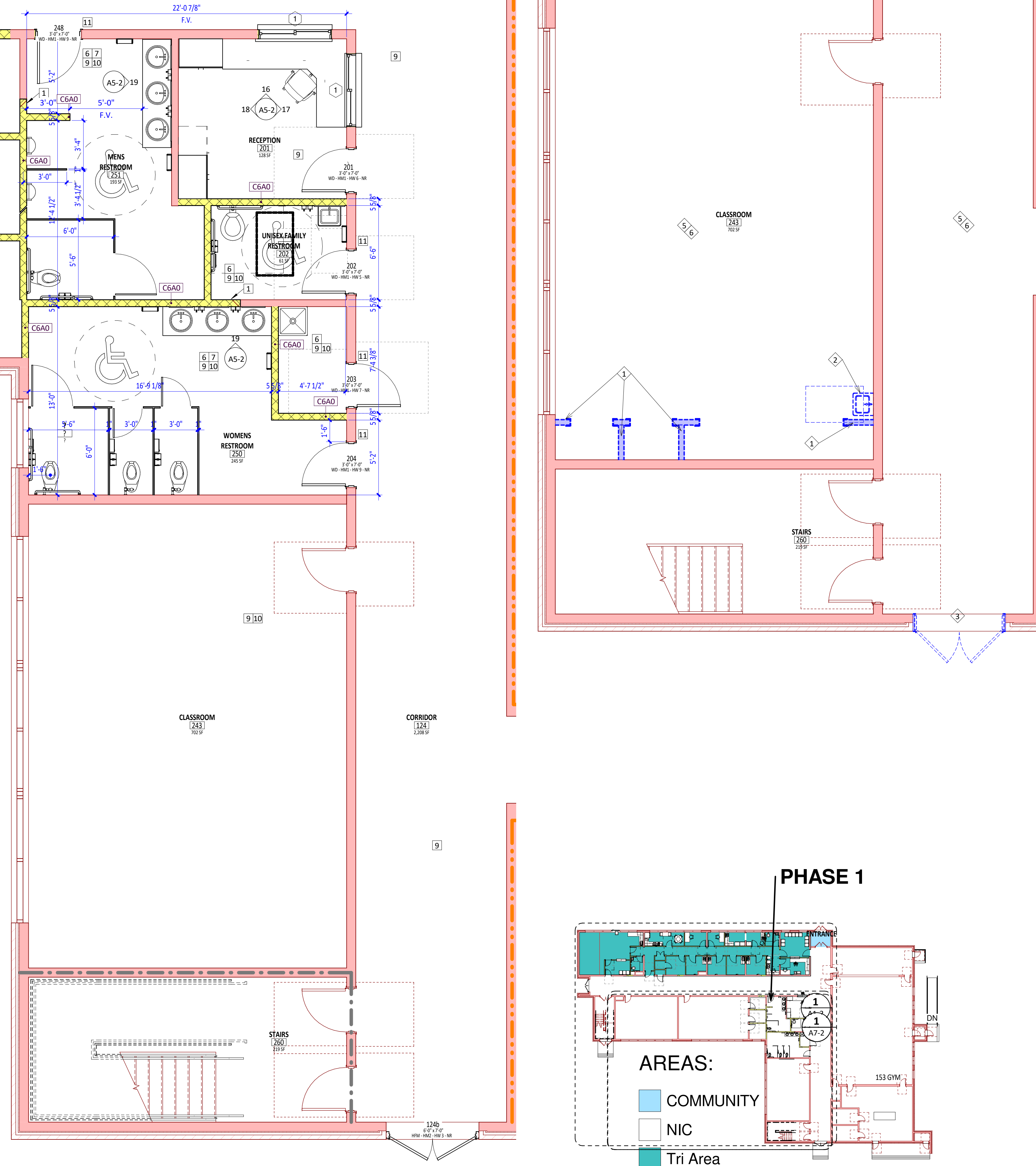
GENERAL FLOOR PLAN NOTES

- CONTRACTOR TO INSTALL ADA ROOM SIGNAGE AT ALL RESTROOMS, JANITORS CLOSETS, SOILED UTILITY ROOMS, AND OTHER NOTED LOCATIONS. CONTRACTOR TO VERIFY WITH OWNER SIGNAGE TYPE.
- CONTRACTOR TO PAINT ALL EXTERIOR DOORS AND FRAMES AN EXTERIOR GRADE, SEMI-GLOSS PAINT - COLOR: SHERWIN WILLIAMS GAUNTLET GRAY SW 7019.
- CONTRACTOR TO CLEAN AND RE-TOUCH UP THE FINISH AS NEEDED OF ALL PHASE 1 EXISTING TO REMAIN INTERIOR DOORS.

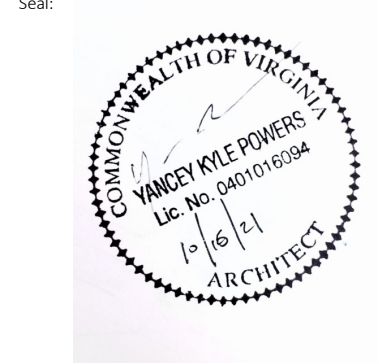
PARTITION TYPE LEGEND

WALL TYPES	WALL TYPE	SYMBOL DESIGNATION	WALL HATCH PATTERN LEGEND
C CMU (MAY HAVE FURRING)	STUD/CMU WIDTH	FOR WALL TYPES INDICATED TO RECEIVE SOUND ATTENUATION, EXTEND SOUND ATTENUATION TO FULL HEIGHT OF WALL UNLESS OTHERWISE INDICATED. REFER TO INDIVIDUAL WALL TYPE MODIFIER FOR STC RATINGS.	NON-RATED METAL STUD PARTITION
G GYPSUM BOARD WITH METAL STUDS	WALL TYPE MODIFIER		NON-RATED SMOKE PARTITION
S SHAFTWALL	FIRE RATING OR PARTITION HEIGHT		1 HOUR RATED FIRE PARTITION
W GYPSUM BOARD WITH WOOD STUDS			2 HOUR RATED FIRE BARRIER
			1 HOUR RATED FIRE/SMOKE BARRIER
			2 HOUR RATED FIRE/SMOKE BARRIER
			NON RATED MASONRY
			1 HOUR RATED MASONRY FIRE BARRIER (UL4 US2)
			2 HOUR RATED MASONRY FIRE BARRIER (UL4 US2)

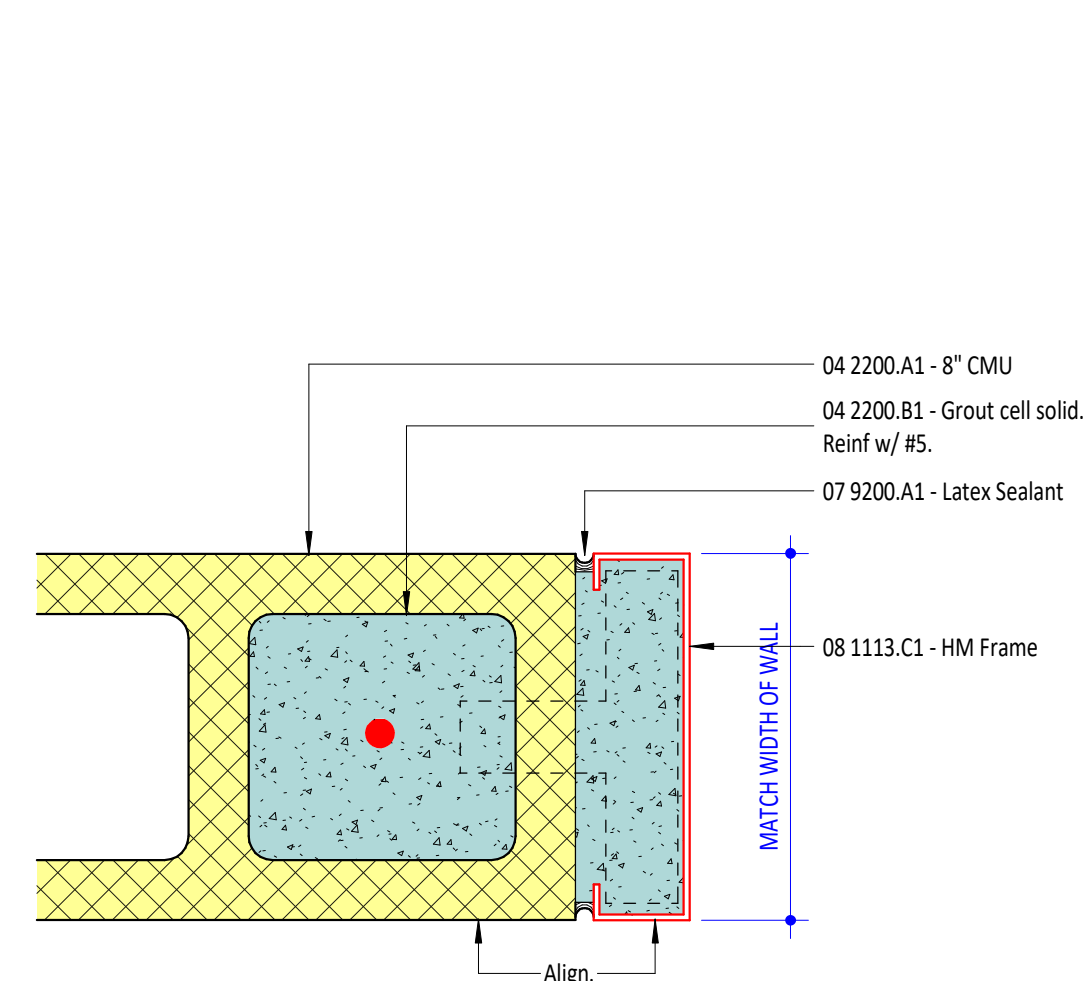
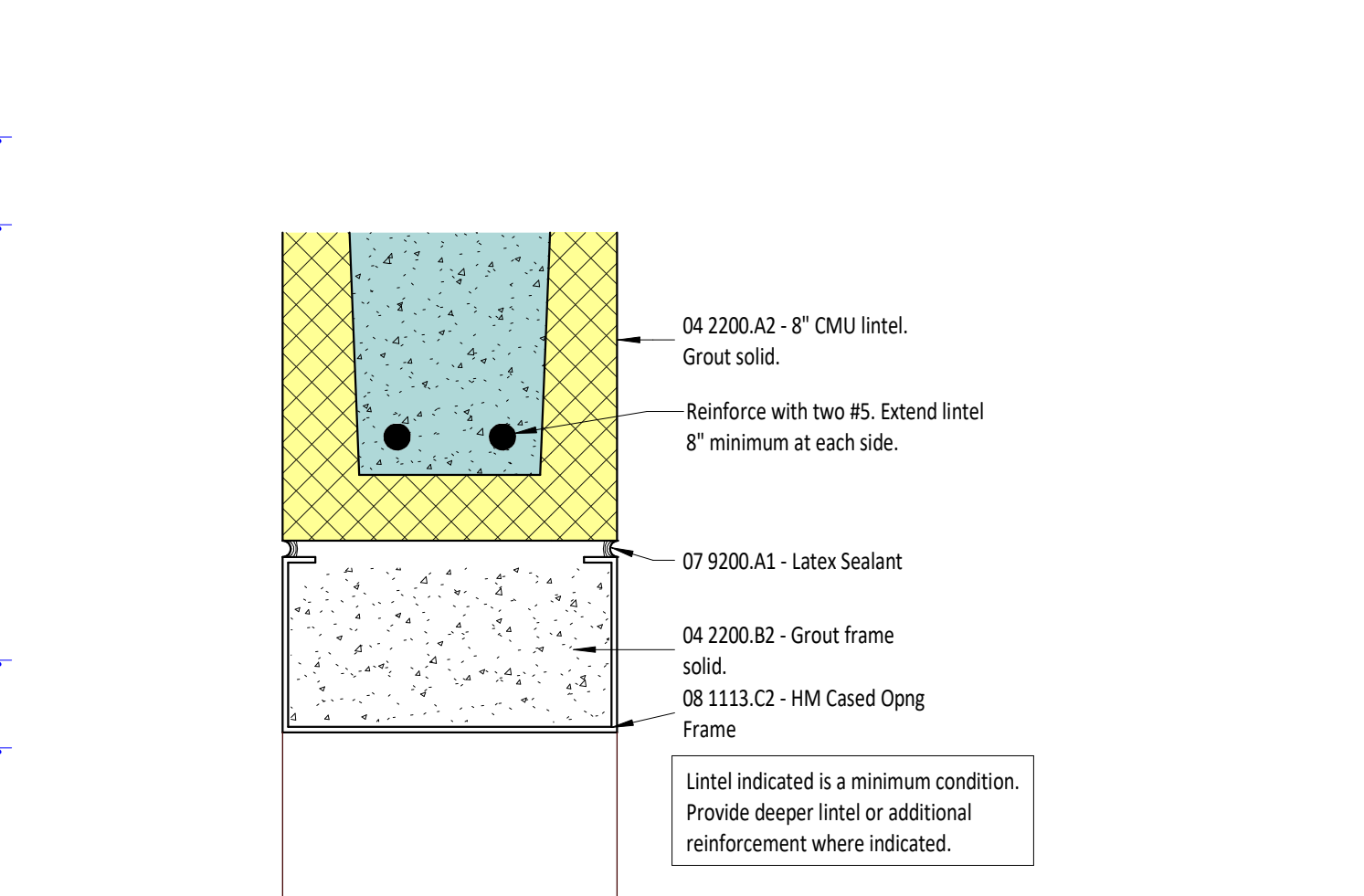
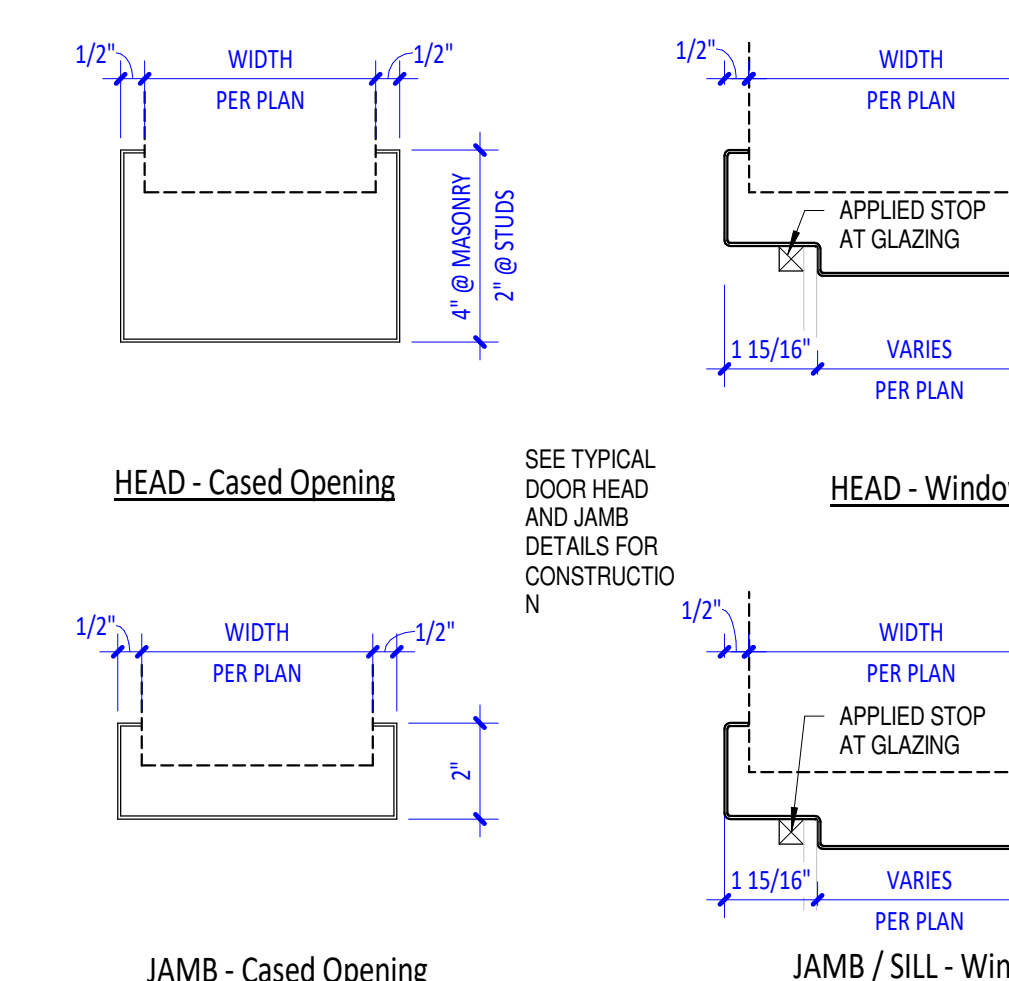
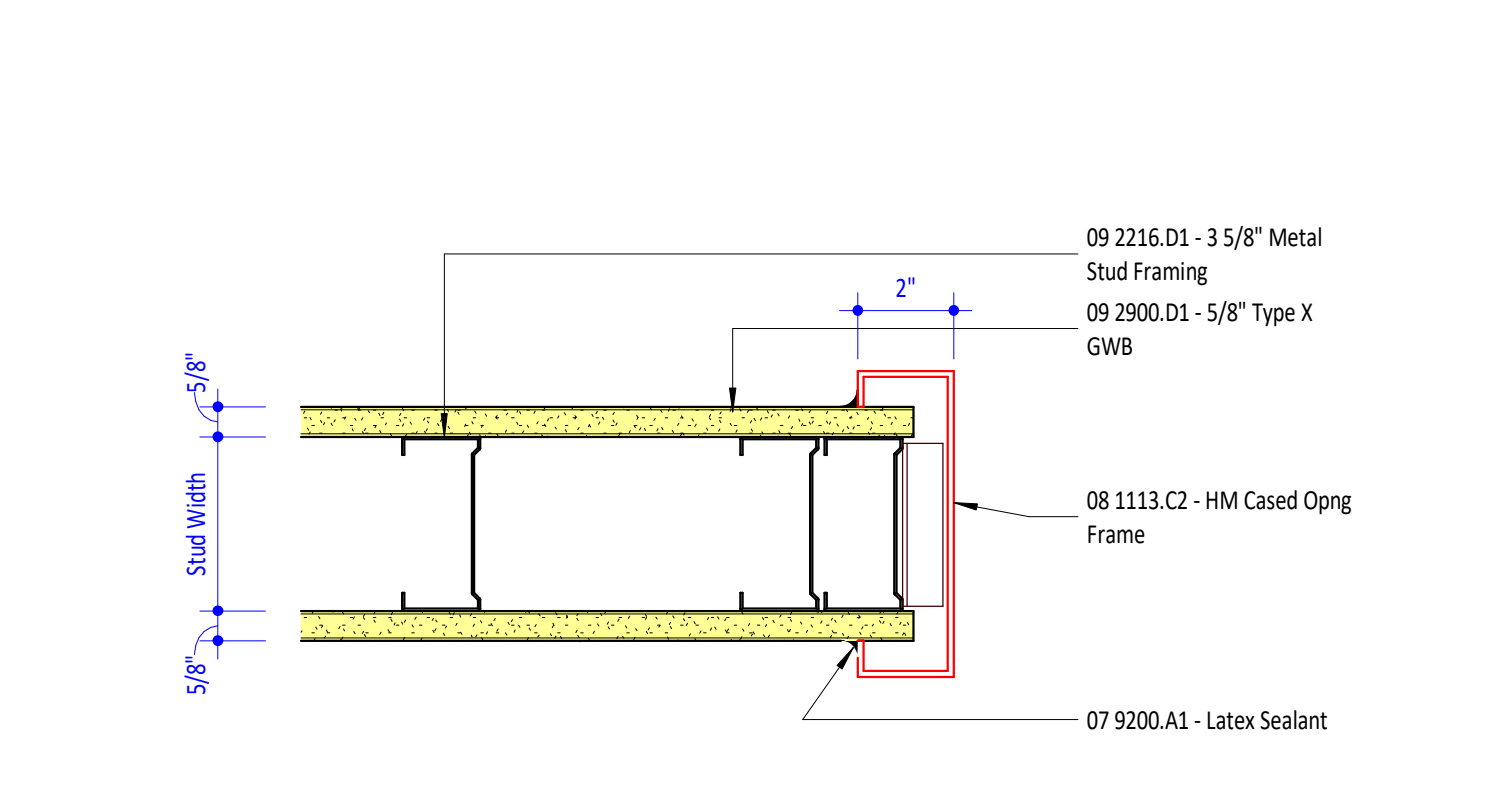
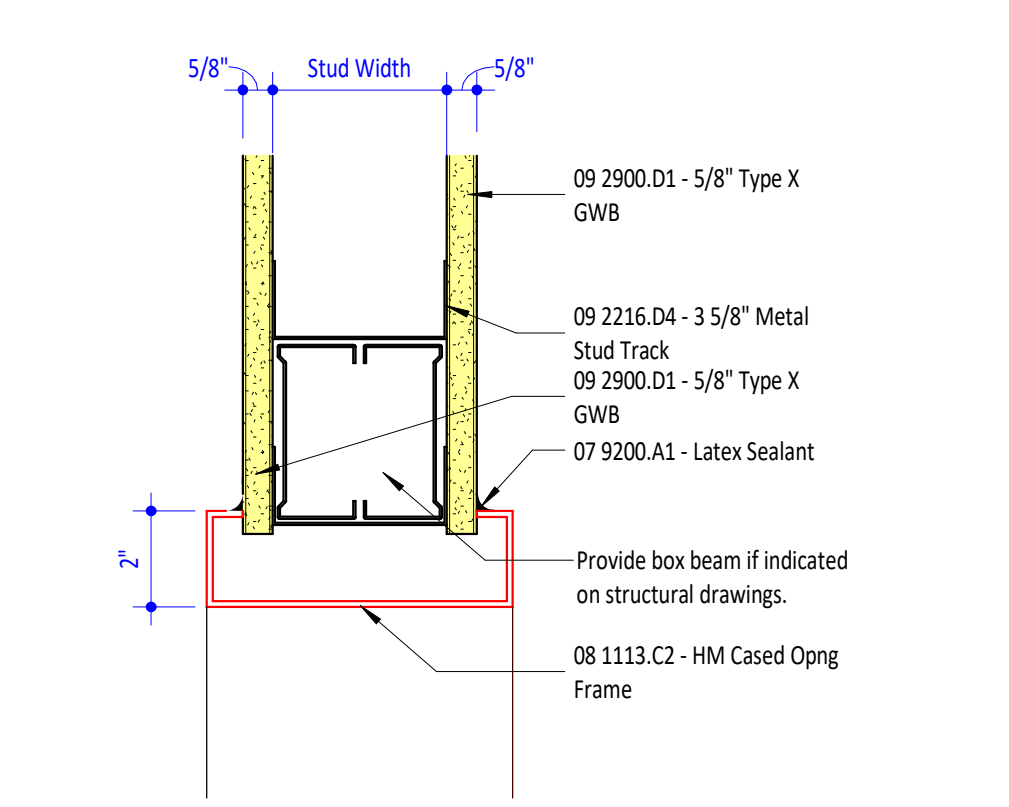
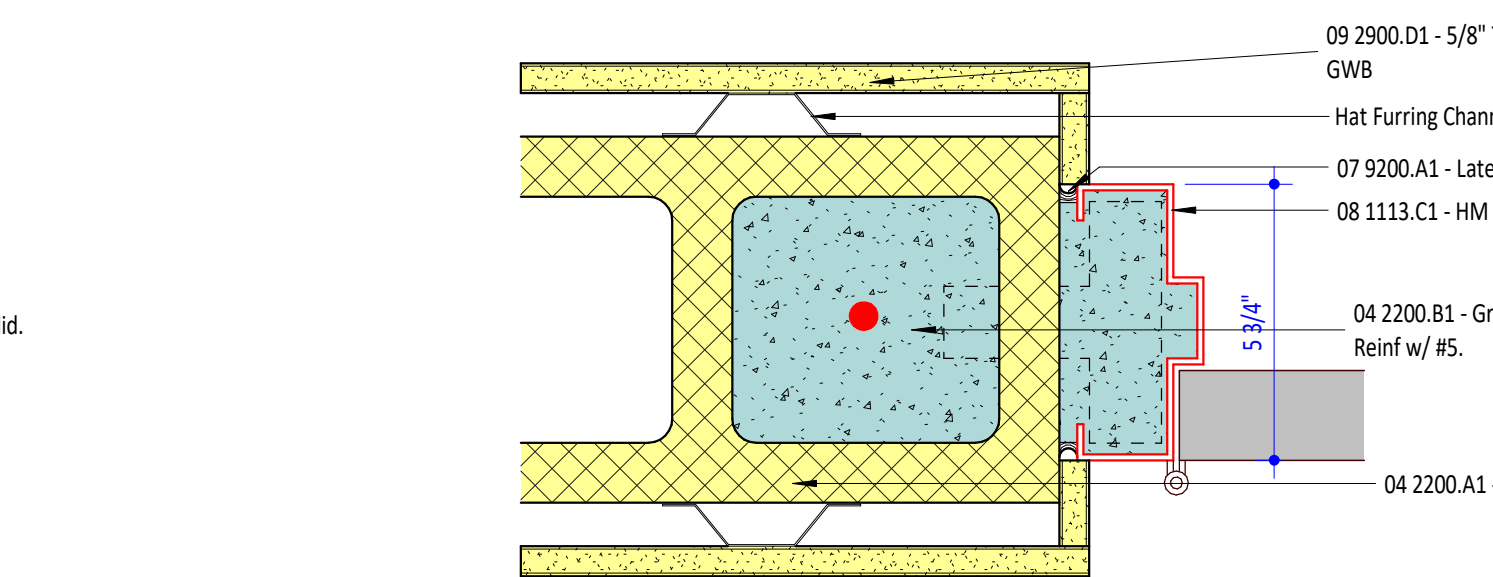
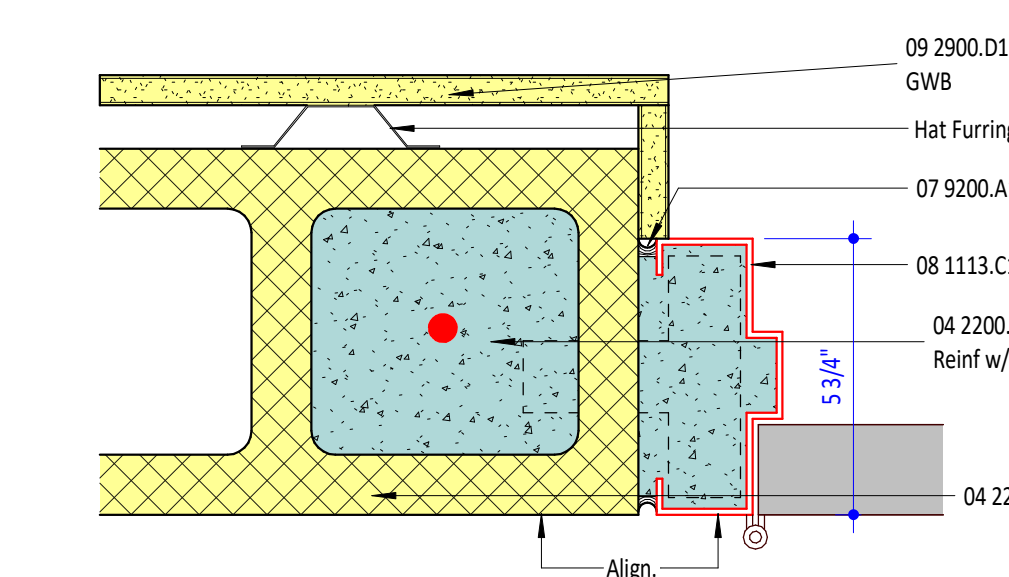
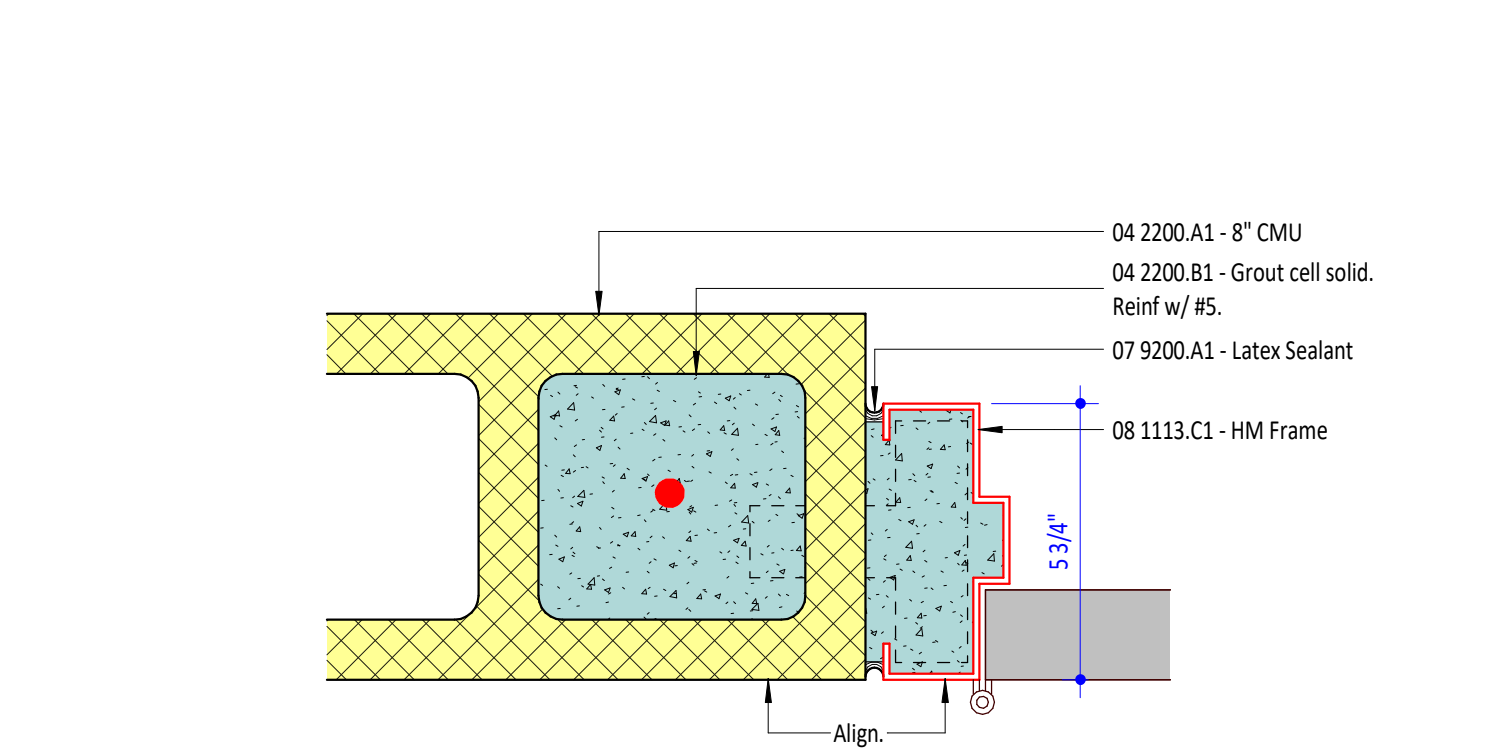
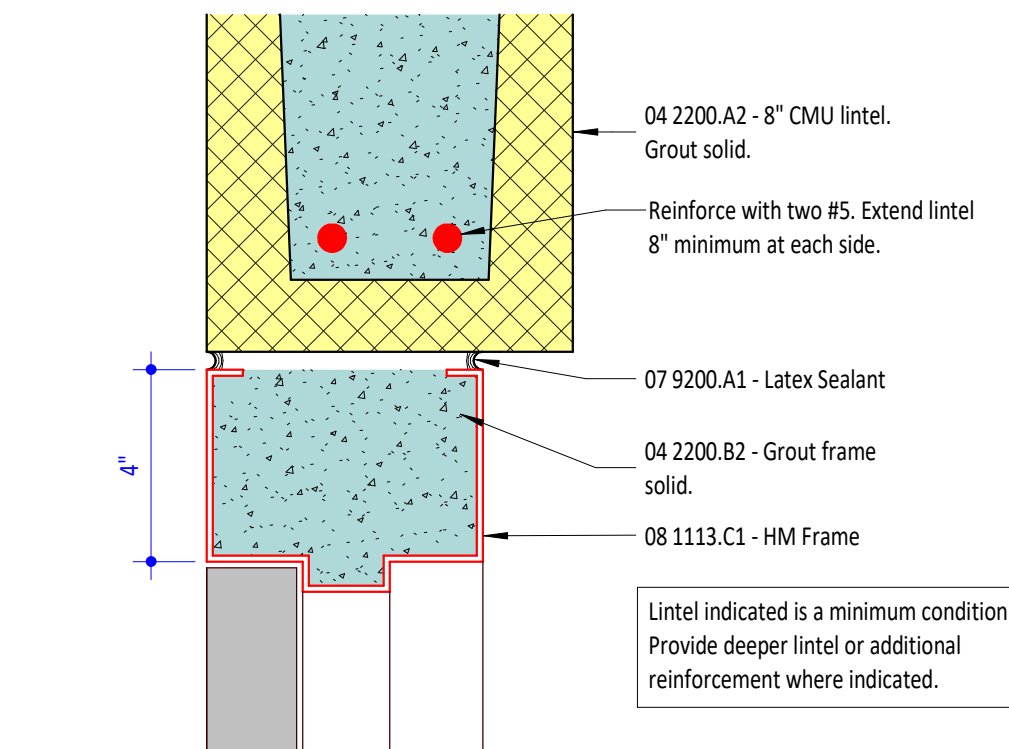
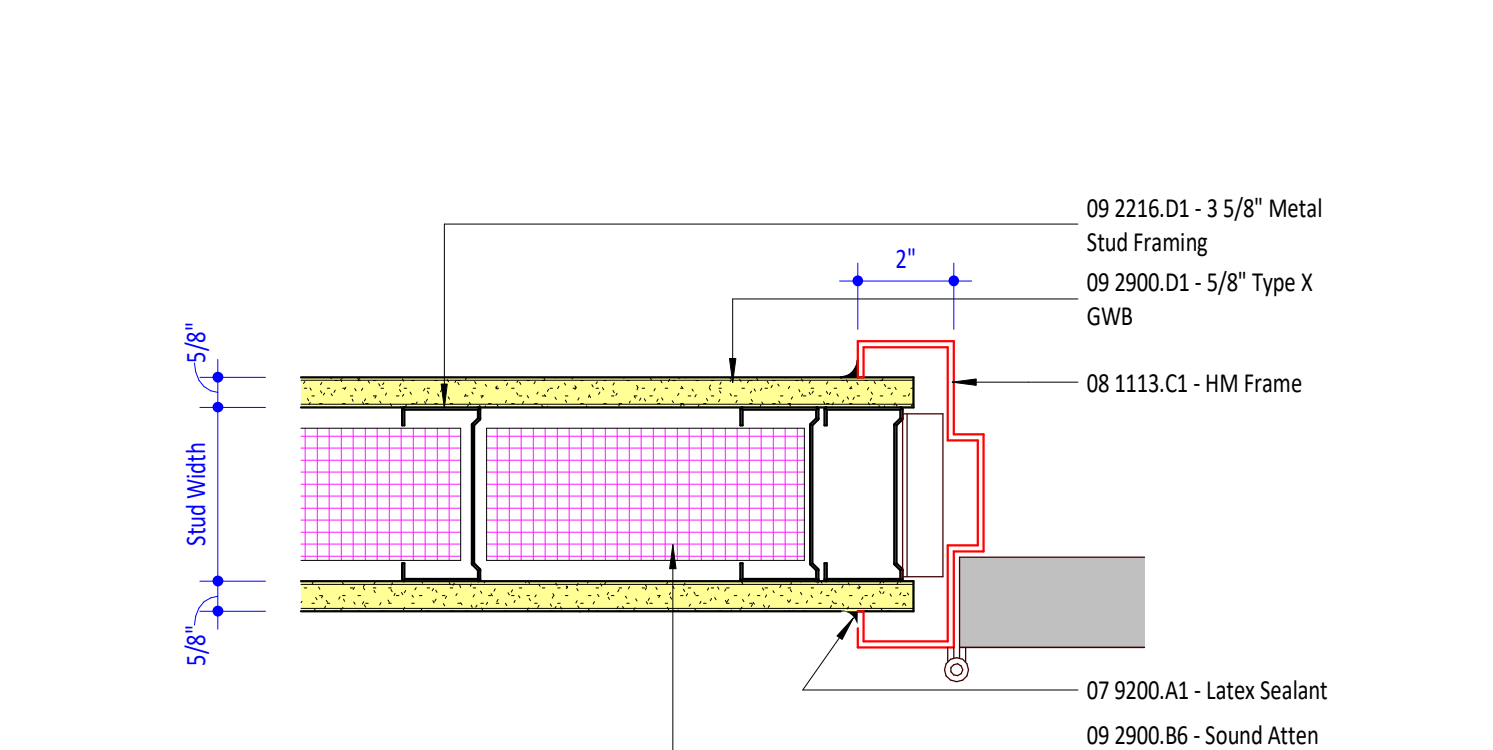
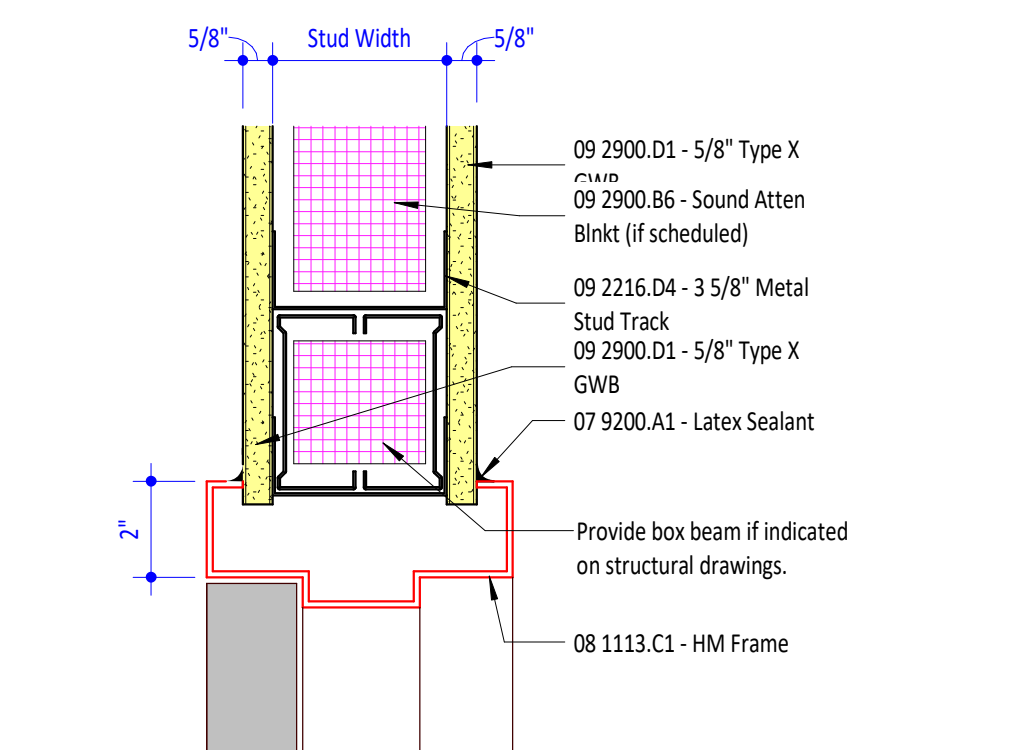
LEGEND - WALL TYPES - HORIZONTAL
1 1/2" = 1'-0"



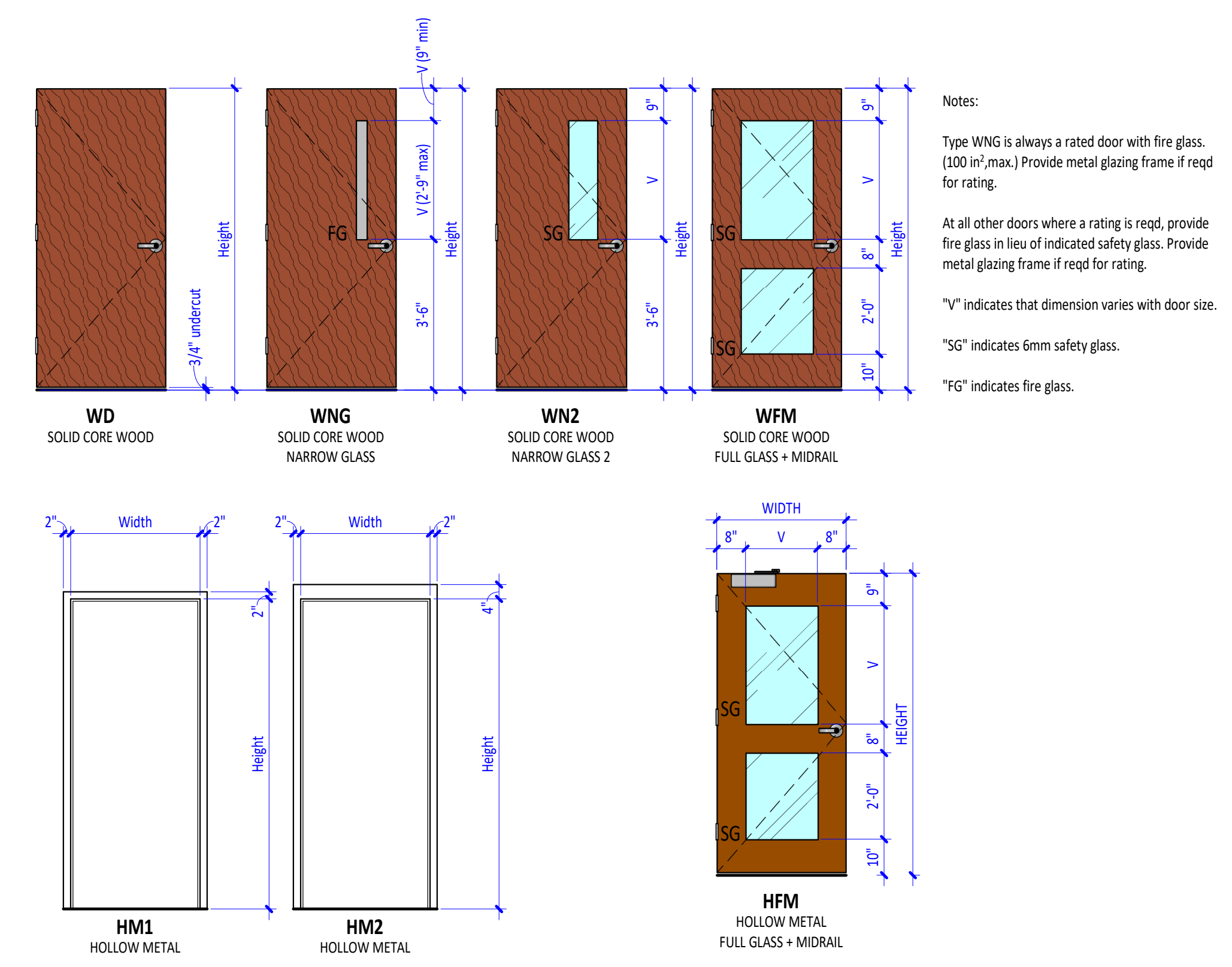
3 First Floor Plan - Phase 1 Community Education Key Plan
A1-2 1" = 30'-0"



DOOR SCHEDULE WM2A PHASE 1													
OPNG NO	FROM ROOM	TO ROOM	FullWidth	Height	Door Type	Frame Type	Head Dtl	Jamb Dtl	HW SET	Rated Opng	COMMENTS		
101	CORRIDOR	WAITING RM	3'-6"	7'-0"	WNG	HM1	HA	JA	HW 1	45			
101a	CORRIDOR	WAITING RM	3'-6"	7'-0"	WD	HM1	CA	CA	HW 2	NR			
102	TRIAGE	RECEPTION	3'-0"	7'-0"	HN2	HM2			HW 2	NR			
104	EXAM 1	CORRIDOR	3'-6"	7'-0"	WD	HM1	HA	JA	HW 2	NR			
105	EXAM 2	CORRIDOR	3'-6"	7'-0"	WD	HM1	HA	JA	HW 2	NR			
106	EXAM 3	CORRIDOR	3'-6"	7'-0"	WD	HM1	HA	JA	HW 2	NR			
107	EXAM 4	CORRIDOR	3'-6"	7'-0"	WD	HM1	HA	JA	HW 2	NR			
108	STOREROOM	CORRIDOR	3'-0"	7'-0"	WD	HM1	HA	JA	HW 2	NR			
109	EVS	CORRIDOR	4'-0"	7'-0"	WD	HM1	HA	JA	HW 4	NR			
110	CORRIDOR	SOILED	3'-0"	7'-0"	WD	HM1	CA	CA	HW 7	45			
111	CORRIDOR	STAFF TLT	3'-0"	7'-0"	WD	HM1	HA	JA	HW 5	NR			
112	CORRIDOR	CHECK-IN	3'-0"	7'-0"	WNG	HM1	HA	JA	HW 1	45			
112a	CORRIDOR	CHECK-IN	3'-0"	7'-0"	HN2	HM2			HW 2	NR			
113a	CORRIDOR	CORRIDOR	4'-0"	7'-0"	CO	HM2	CB	CB	HW 2	NR			
114	CORRIDOR	CORRIDOR	3'-0"	7'-0"	HN2	HM2			HW 2	NR			
115	CORRIDOR	BREAKROOM	3'-0"	7'-0"	HN2	HM2			HW 2	NR			
116	DATA	STOREROOM	3'-0"	7'-0"	WD	HM1	HA	JA	HW 7	NR			
117	CORRIDOR		3'-0"	7'-0"	HN2	HM2			HW 2	NR			
118	CORRIDOR		3'-0"	7'-0"	HN2	HM2			HW 2	NR			
119	CORRIDOR	HALL	3'-0"	7'-0"	WNG	HM1	HA	JA	HW 1	45			
119A	HALL	CORRIDOR	4'-8"	7'-0"	CO	HM2	CB	CB	-	NR			
120	CORRIDOR		3'-0"	7'-0"	HN2	HM2			HW 2	NR			
121	TLT	CORRIDOR	3'-0"	7'-0"	WD	HM1	HA	JA	HW 5.1	NR			
122a	CORRIDOR	CORRIDOR	4'-0"	7'-0"	CO	HM2	CB	CB	-	NR			
124a	CORRIDOR		6'-0"	7'-0"	HFM	HM2	-	-	HW 3	NR			
124b	CORRIDOR		6'-0"	7'-0"	HFM	HM2	-	-	HW 3	NR			
201	CORRIDOR	RECEPTION	3'-0"	7'-0"	WD	HM1	CA	CA	HW 6	NR			
202	CORRIDOR	UNISEX FAMILY RESTROOM	3'-0"	7'-0"	WD	HM1	CA	CA	HW 5	NR			
203	CORRIDOR		3'-0"	7'-0"	WD	HM1	CA	CA	HW 7	NR			
204	WOMENS RESTROOM		3'-0"	7'-0"	WD	HM1	CA	CA	HW 9	NR			
207	CLASSROOM	ELEC / HVAC	3'-0"	7'-0"	WD	HM1	CA	CA	HW 8	NR			
208	CLASSROOM	STORAGE	3'-0"	7'-0"	WD	HM1	CA	CA	HW 8	NR			
247	CLASSROOM	HVAC	3'-0"	7'-0"	WD	HM1	CA	CA	HW 8	NR			
248	CORRIDOR	MENS RESTROOM	3'-0"	7'-0"	WD	HM1	CA	CA	HW 9	NR			



Hardware Set#	Qty	Description	Part Number	Finish	Notes
5.1 (TLT /Removable Stop)	1 EA	IntraStop	HDS-01-445S	US26D	
	1 EA	SAR	28-7005 x LL	US26D	
	1 EA	IntraStop	100-01-AAA-UNIVERSE	US32D	
	2 EA	HHC	190S x B4E x 10" x 3/4"	US32D	
	1 EA	HHC	Wall Bumper	236W	US32D
	3 EA	HHC	Silencer	307D	Grey
	1 EA	IntraStop	Removable stop	RDS-04	US32D
6 (Office)	3 EA	HHC	Hinge	ECBB1100 4 1/2" x 4 1/2"	US26D
	1 EA	SAR	Lockset	28-7005 x LL x MK Office	US26D
	2 EA	HHC	Kick Plate	190S x B4E x 10" x 40"	US32D
	1 EA	HHC	Wall Bumper	236W	US32D
	3 EA	HHC	Silencer	307D	Grey
7 (Single Storage)	3 EA	HHC	Hinge	ECBB1100 4 1/2" x 4 1/2"	US26D
	1 EA	SAR	Lockset	28-7004 x LL x MK Storeroom	US26D
	1 EA	SAR	Door Closer	TB-281-O	EN
	2 EA	HHC	Kick Plate	190S x B4E x 10" x 40"	US32D
	1 EA	HHC	Wall Bumper	236W	US32D
	3 EA	HHC	Silencer	307D	Grey
	1 EA	SAR	Door Closer	TB-281-O	EN
8 (Single Storage)	3 EA	HHC	Hinge	ECBB1100 4 1/2" x 4 1/2"	US26D
	1 EA	SAR	Lockset	28-7004 x LL x MK Storeroom	US26D
	1 EA	SAR	Door Closer	TB-281-O	EN
	2 EA	HHC	Kick Plate	190S x B4E x 10" x 40"	US32D
	1 EA	HHC	Wall Bumper	236W	US32D
	3 EA	HHC	Silencer	307D	Grey
9 (Main Restrooms)	3 EA	HHC	Hinge	ECBB1100 4 1/2" x 4 1/2"	US26D
	1 EA	ADH	Push/Pull	6" ROUND BAR PUSH/PULL	US26D
	1 EA	SAR	Door Closer	TB-281-O	EN
	2 EA	HHC	Kick Plate	190S x B4E x 10" x 40"	US32D
	1 EA	HHC	Wall Bumper	236W	US32D
	3 EA	HHC	Silencer	307D	Grey



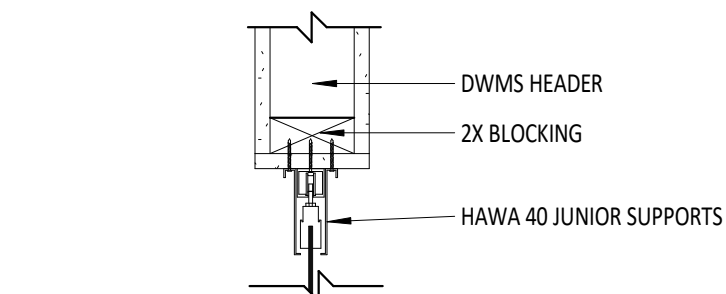
Renovations of
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Community Center**
Address



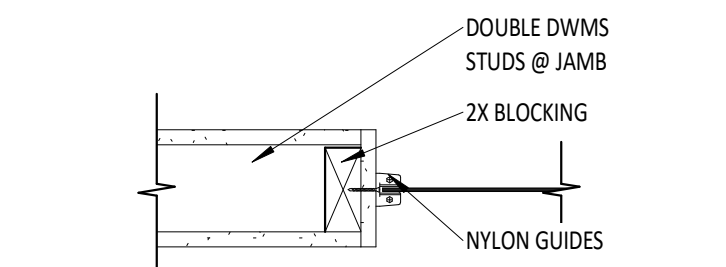
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Project Status: Working Drawings
Revision No (if any): Revision Date: 2021-003 10/14/21
Project No: Current Date: 2021-003 10/14/21
Drawing Name: Door Schedule and Details
Drawing No: A2-2



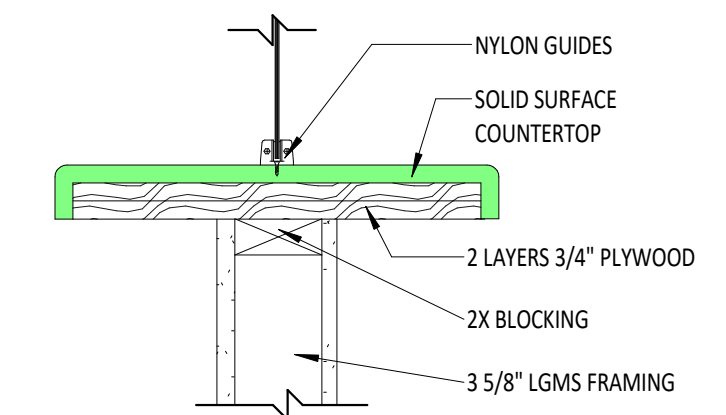
Window Schedule				
Type Mark	Height	Width	Description	Count
1	4'-0"	5'-0"	SLIDING/LOCKABLE TRANSACTION WINDOW	4
3	4'-3"	4'-0"	TRANSACTION WINDOW AND DRAWER COMBINATION UNIT	1



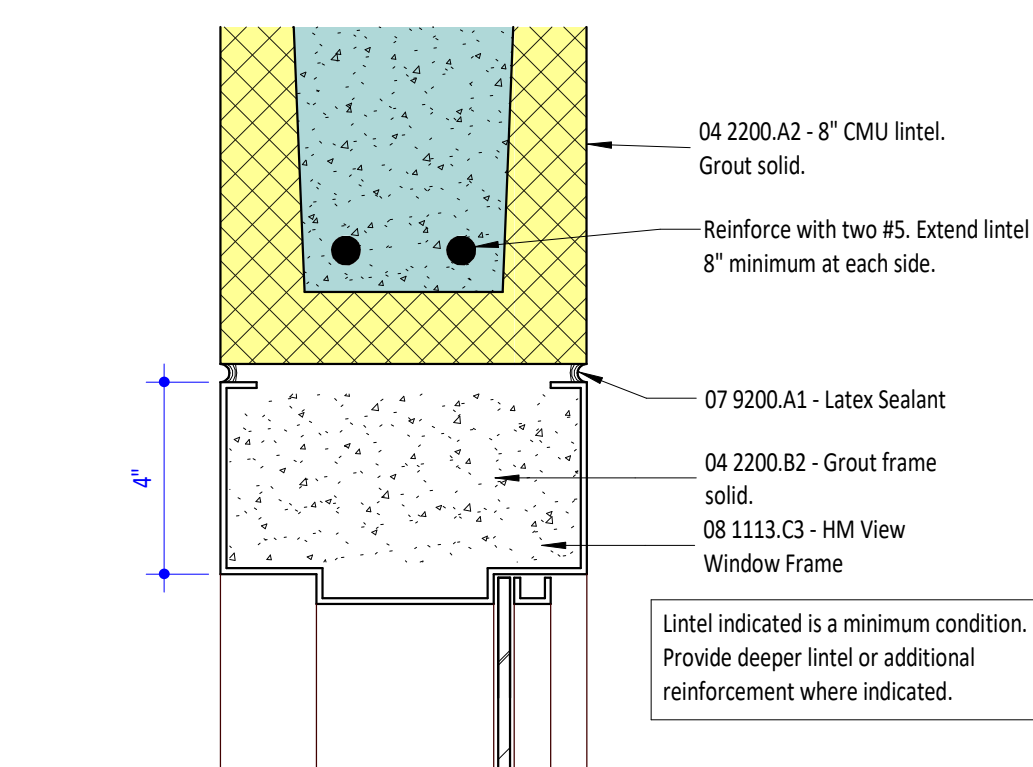
1 SLIDER WINDOW HEAD
A2-3 1 1/2" = 1'-0"



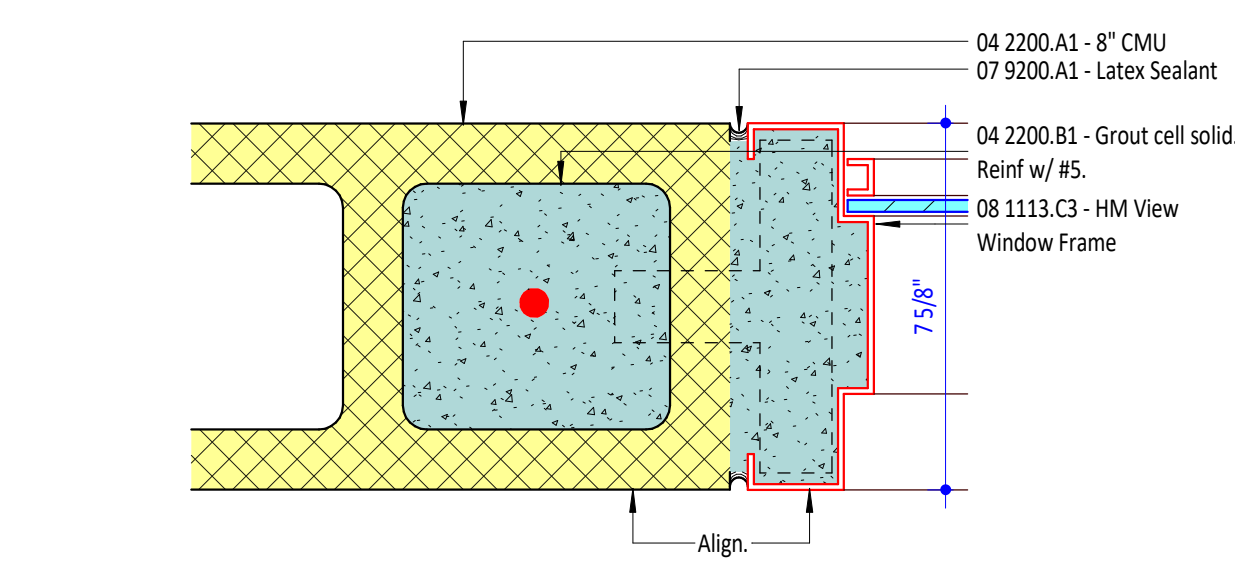
2 SLIDER WINDOW JAMB
A2-3 1 1/2" = 1'-0"



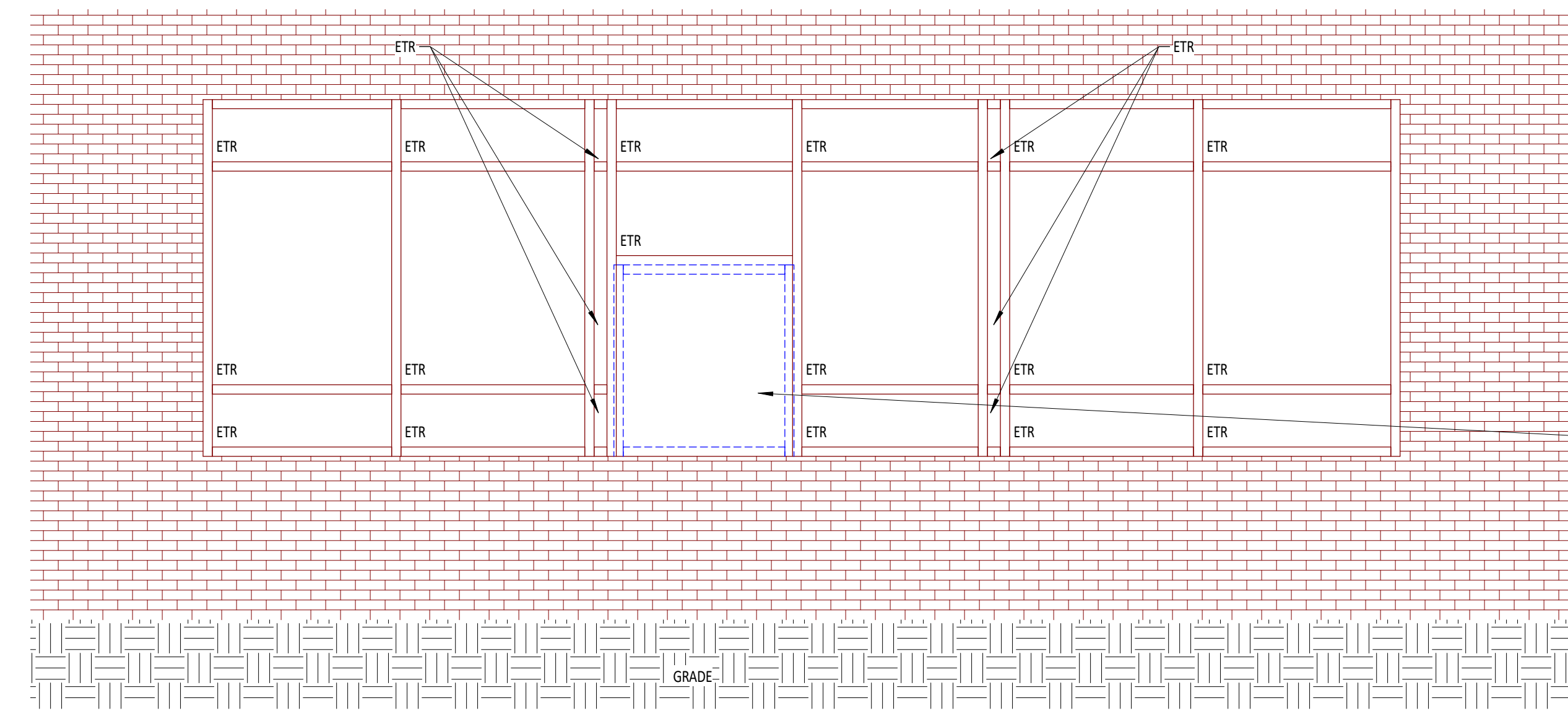
3 SLIDER WINDOW SILL
A2-3 1 1/2" = 1'-0"



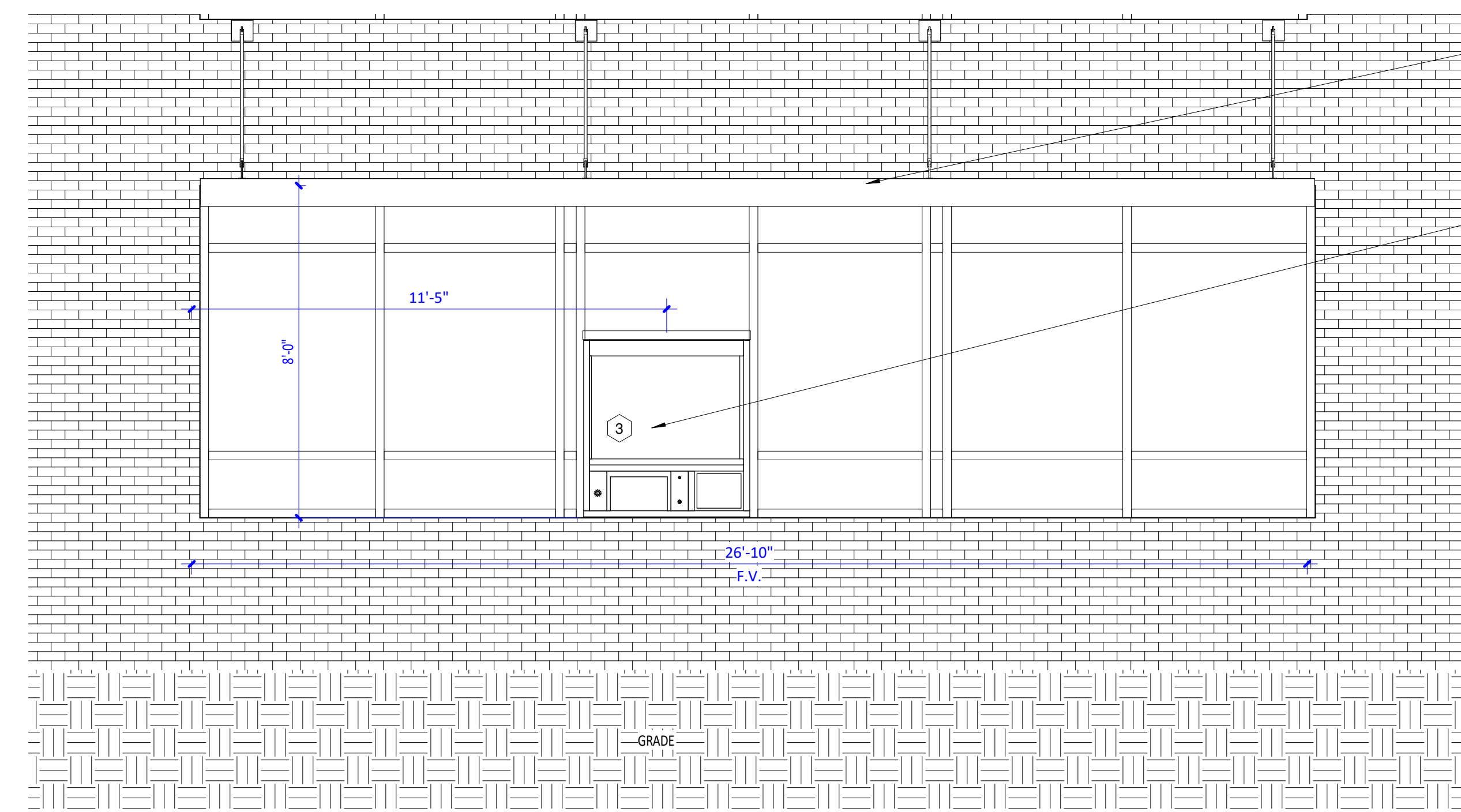
6 Head CC - HM View Window Frame (Typ)
A2-3 3" = 1'-0"



7 Jamb CC - HM View Window Frame (CMU)
A2-3 3" = 1'-0"



4 Demolition for New Drive Thru Pharmacy
A2-3 3/8" = 1'-0"



5 New Drive Thru Pharmacy Transaction Window
A2-3 3/8" = 1'-0"

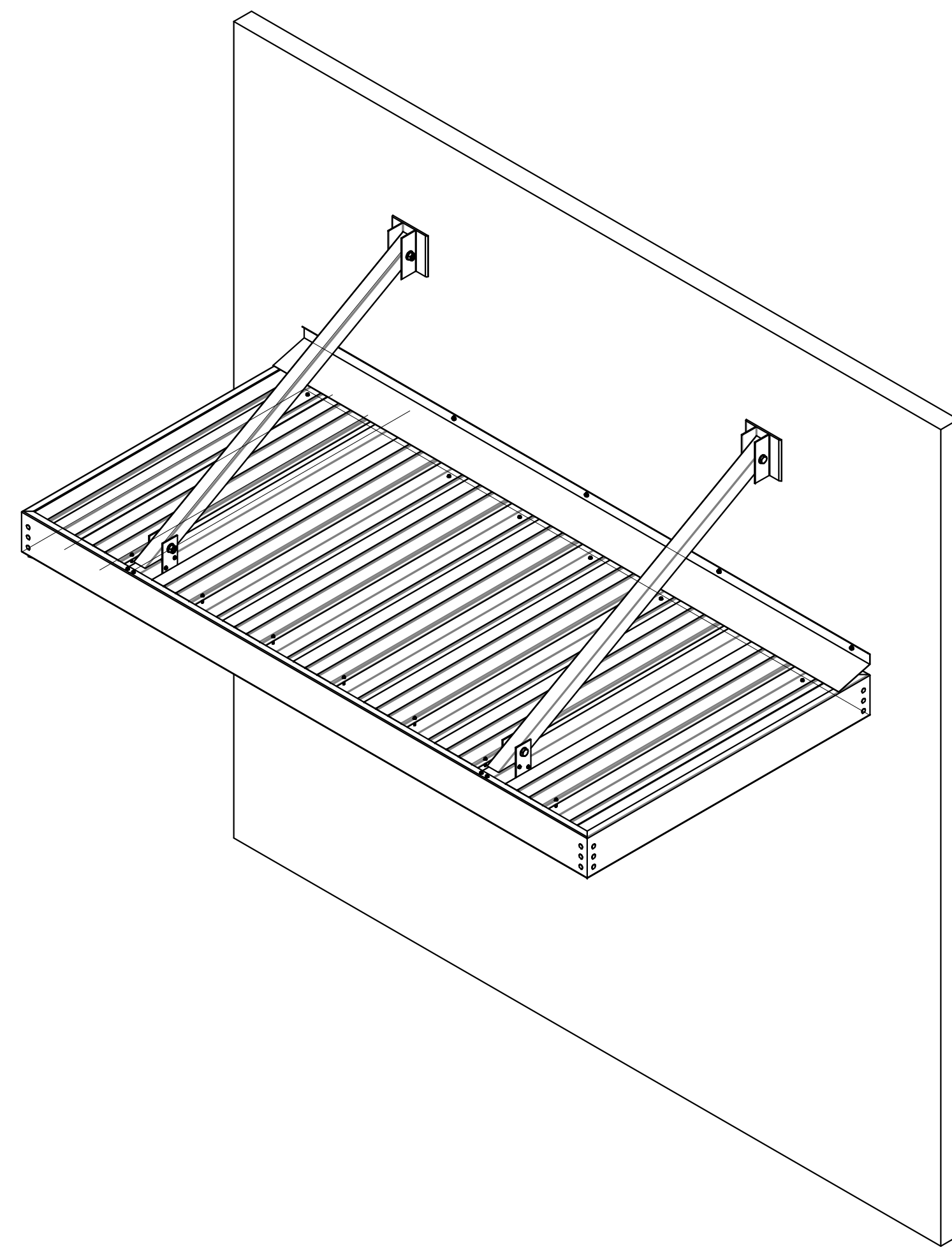
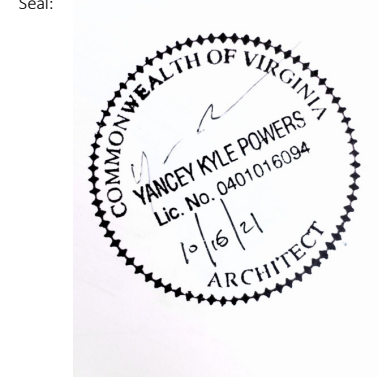
GLAZING LEGEND	
GL-1	1/4" CLEAR TEMPERED FOR USE IN DOOR VIEW AND SIDE LITES OF UNRATED DOORS AND VIEW WINDOWS
GL-2	9/16" CLEAR LAMINATED TEMPERED FOR USE IN DOOR VIEW LITES OF 45 MIN RATED DOORS
GL-3	9/16" CLEAR LAMINATED TEMPERED FOR USE IN DOOR VIEW LITES OF 90 MIN RATED DOORS
IG-1	INSULATING GLASS W/ TEMPERED LITE AT INTERIOR AND EXTERIOR STOREFRONT WINDOWS
SP-1	INSULATED SPANDREL GLASS W/ TEMPERED LITE AT INTERIOR AND EXTERIOR STOREFRONT WINDOWS

REMOVE EXISTING GLAZING AND FRAME. RETROFIT NEW TRANSACTION WINDOW INTO EXISTING WINDOW SYSTEM.

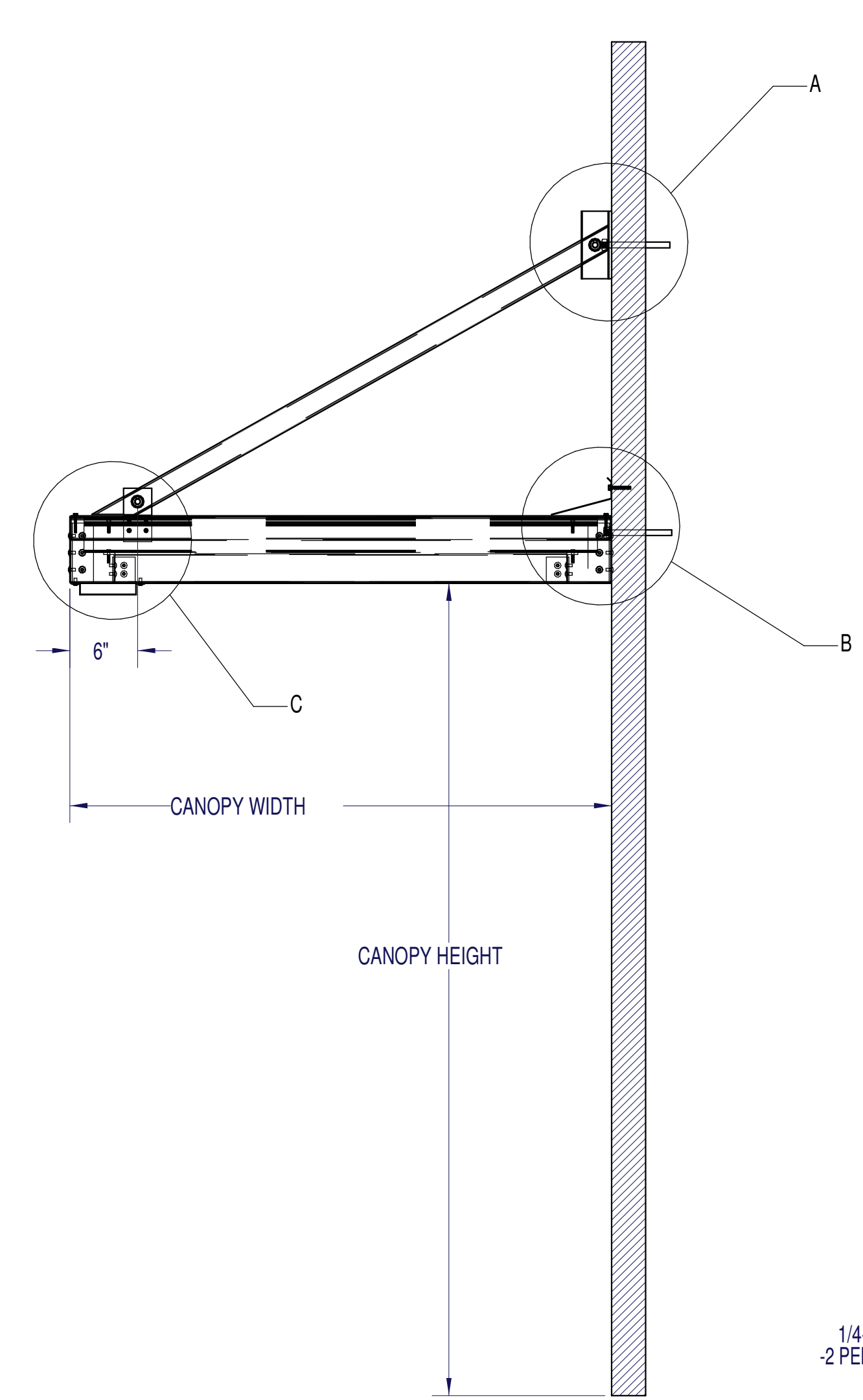
NEW METAL CANOPY ATTACHED TO BUILDING

NEW SLIDING DRIVE-THRU TRANSACTION WINDOW. QUINSERY BRPFI-4851 THAT DOES NOT SLIDE WITH INTEGRATED SPEAKERS AS THE BASIS OF DESIGN. LOCATE BETWEEN EXISTING MULLIONS

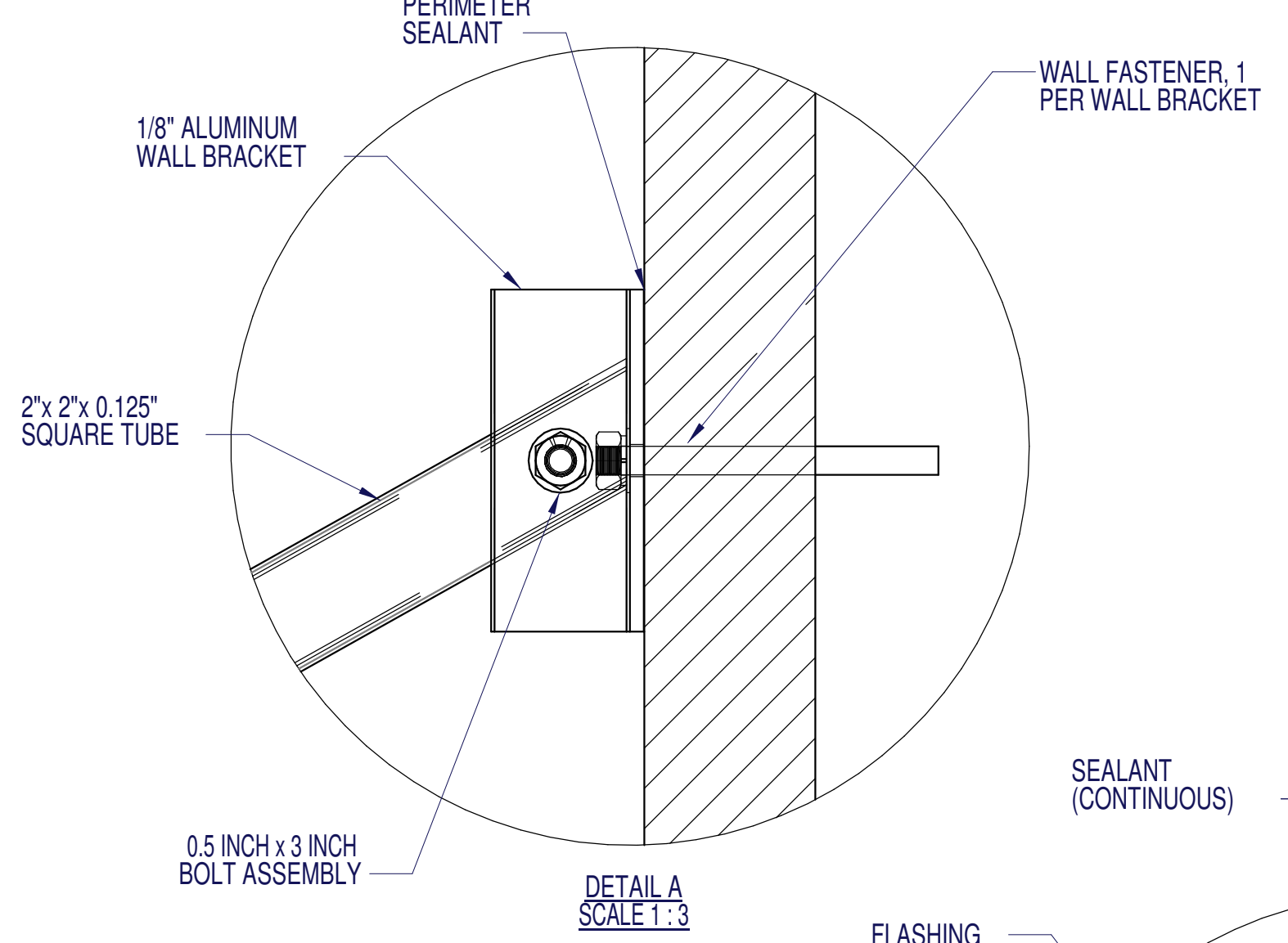
Renovations of
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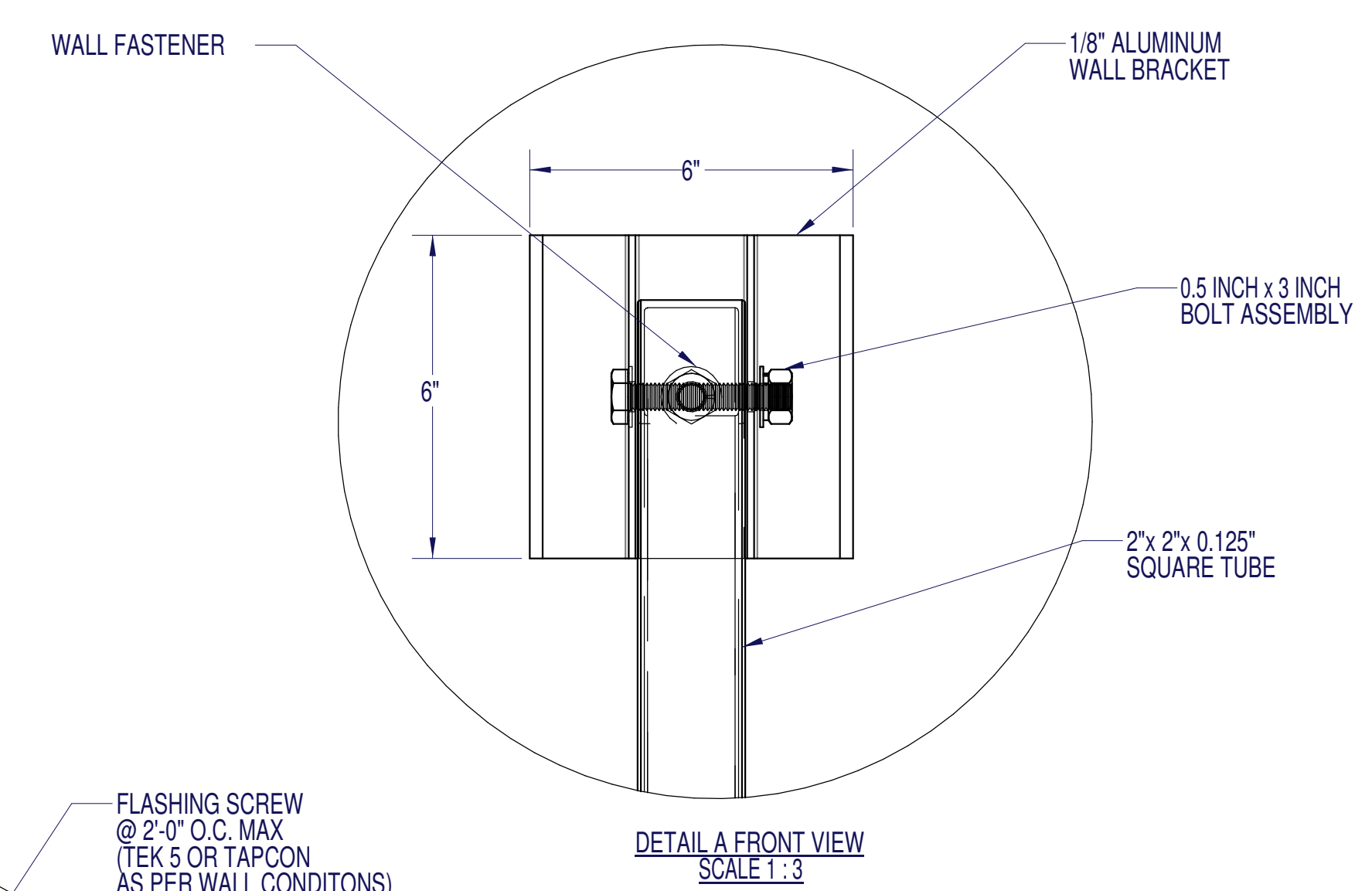
**ISOMETRIC VIEW
 OF CANOPY**



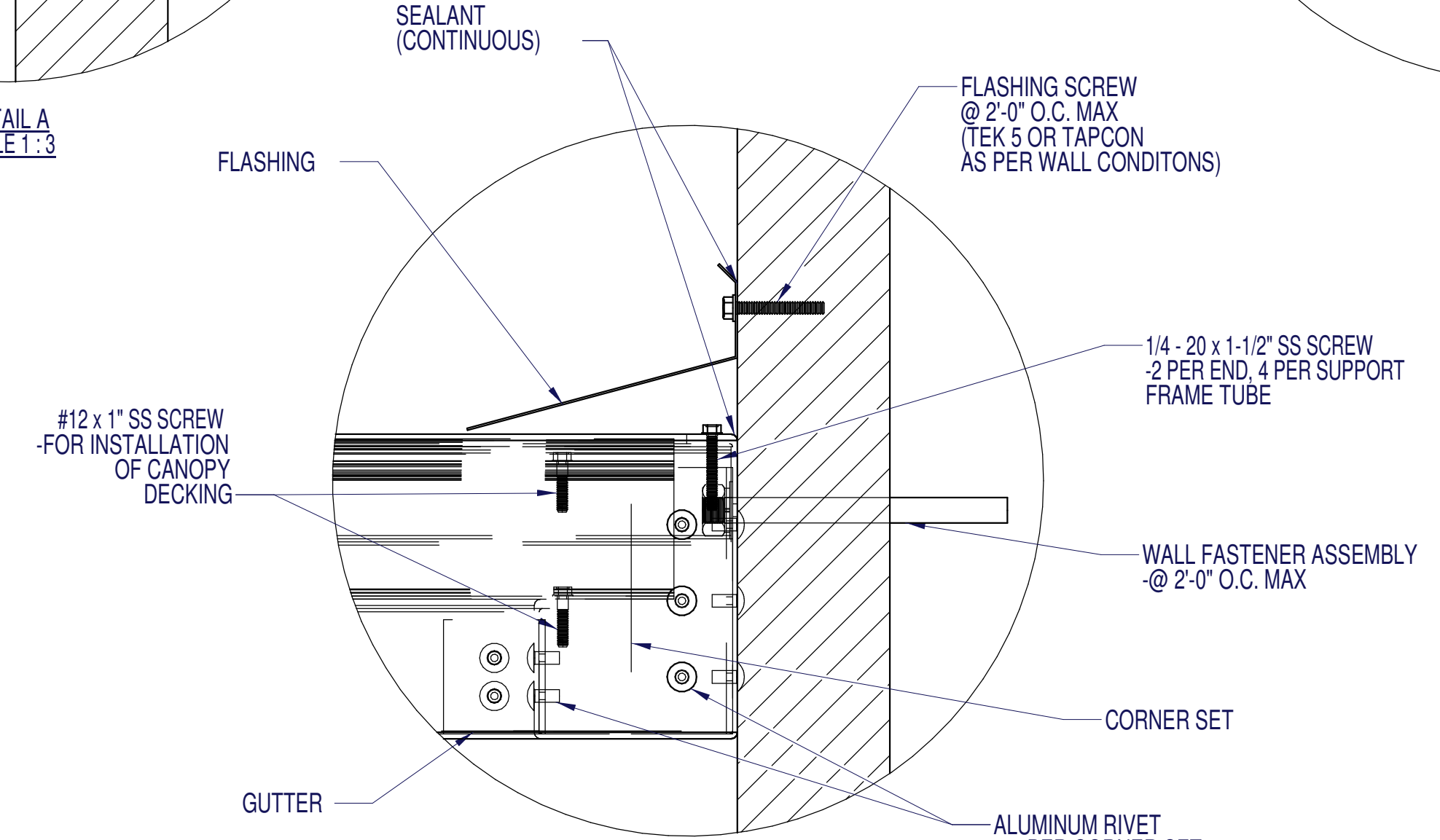
**SECTION VIEW
 OF CANOPY**



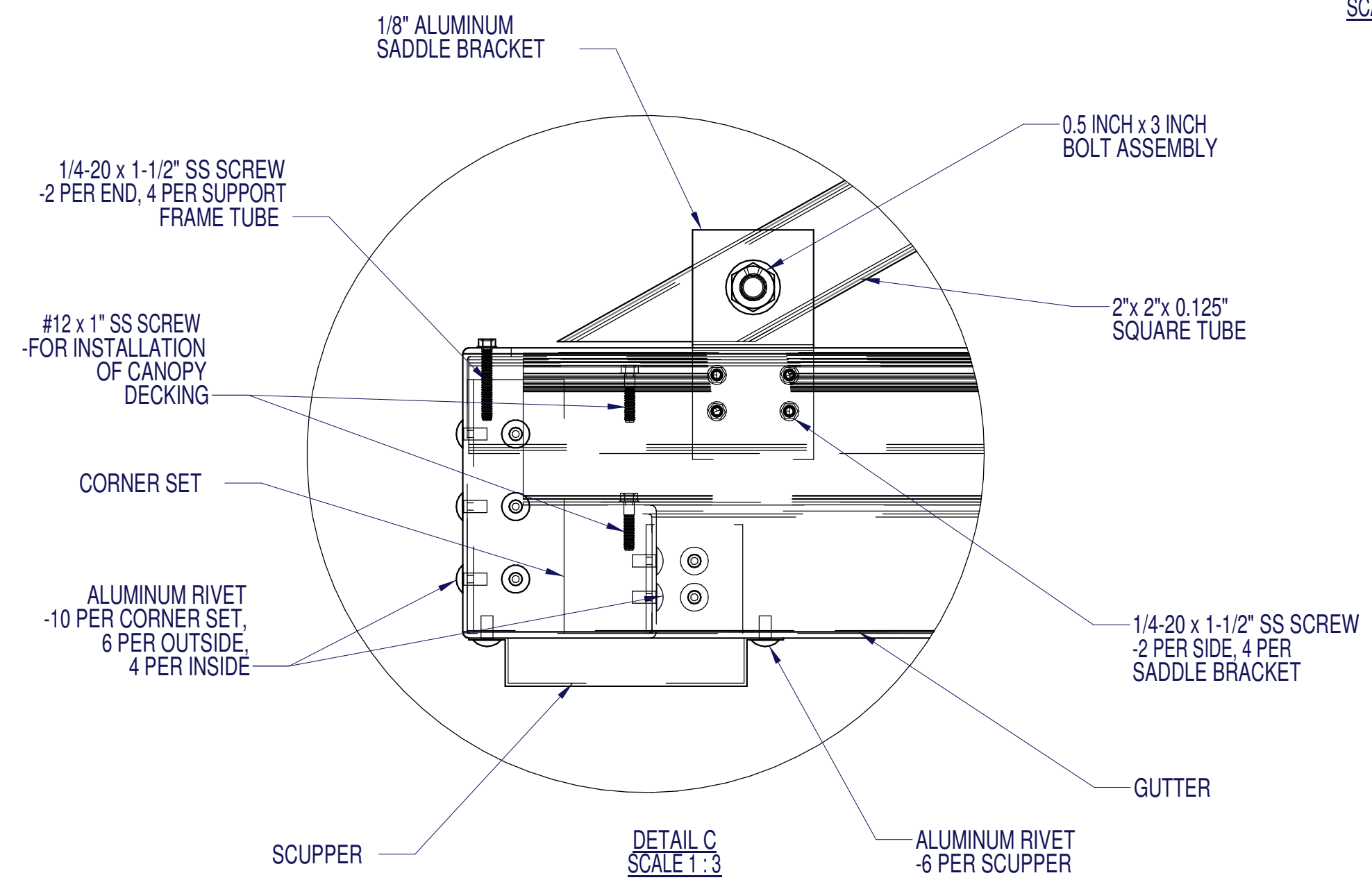
**DETAIL A
 SCALE 1:3**



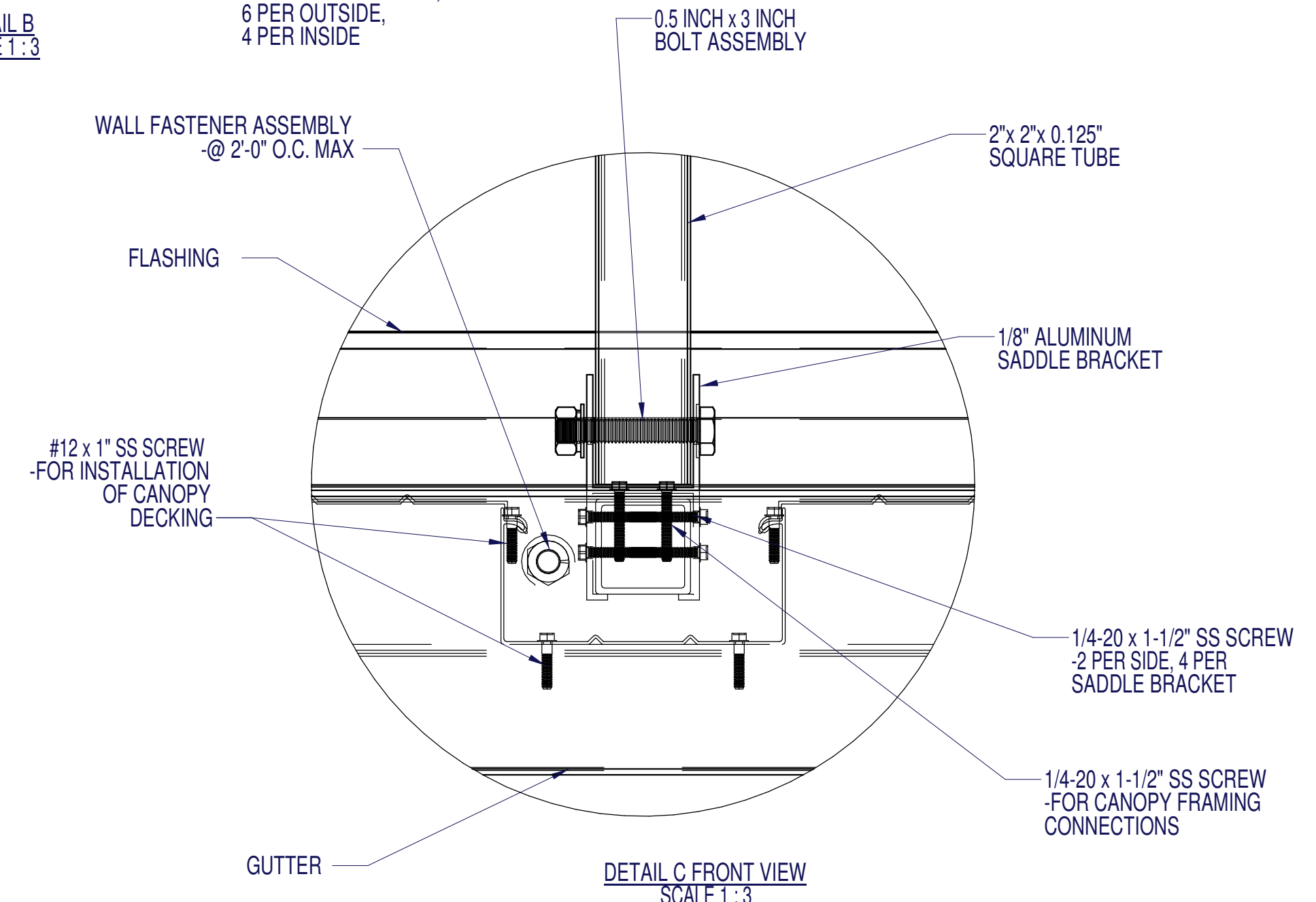
**DETAIL A FRONT VIEW
 SCALE 1:3**



**DETAIL B
 SCALE 1:3**



**DETAIL C
 SCALE 1:3**



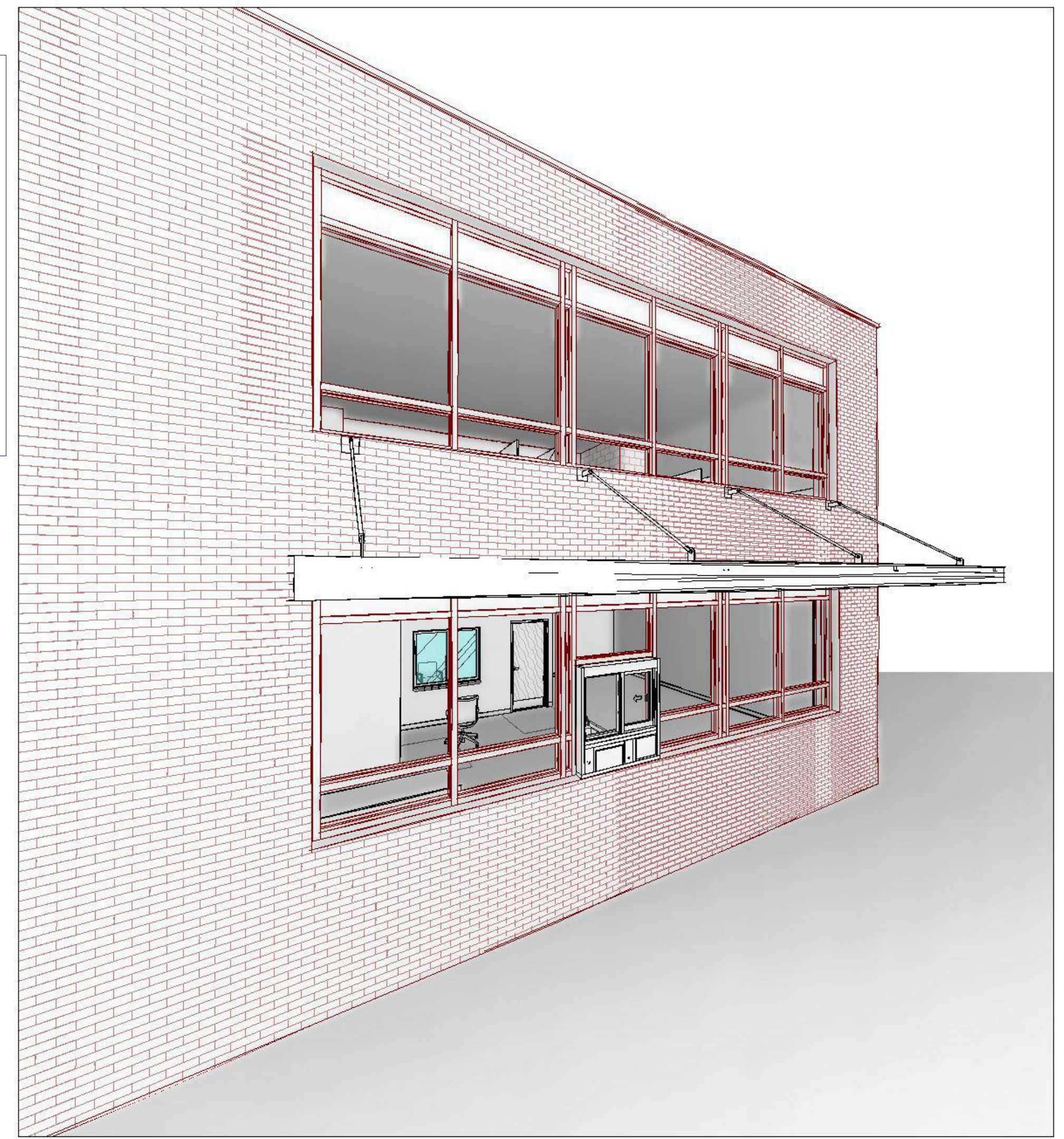
**DETAIL C FRONT VIEW
 SCALE 1:3**

1.02 Design Criteria:
 A. International Building Code 2018
 B. ASCE 7-10
 C. Aluminum Design Manual 2019
 D. Local governing codes and standards for site location

1.03 Materials:
 A. All materials shall be extruded from aluminum unless indicated otherwise on the drawing.
 B. Material sizes shall meet or exceed the design criteria on 1.02

1.04 Finishes:
 A. Factory applied baked enamel to comply with AAMA 2603
 B. Color selected from manufacturers standard colors

1.05 Manufacturers:
 A. Mitchell Metals, LLC - www.mitchellmetals.net - 770-431-7300
 B. Diltmer - www.diltdeck.com - 407-699-1755

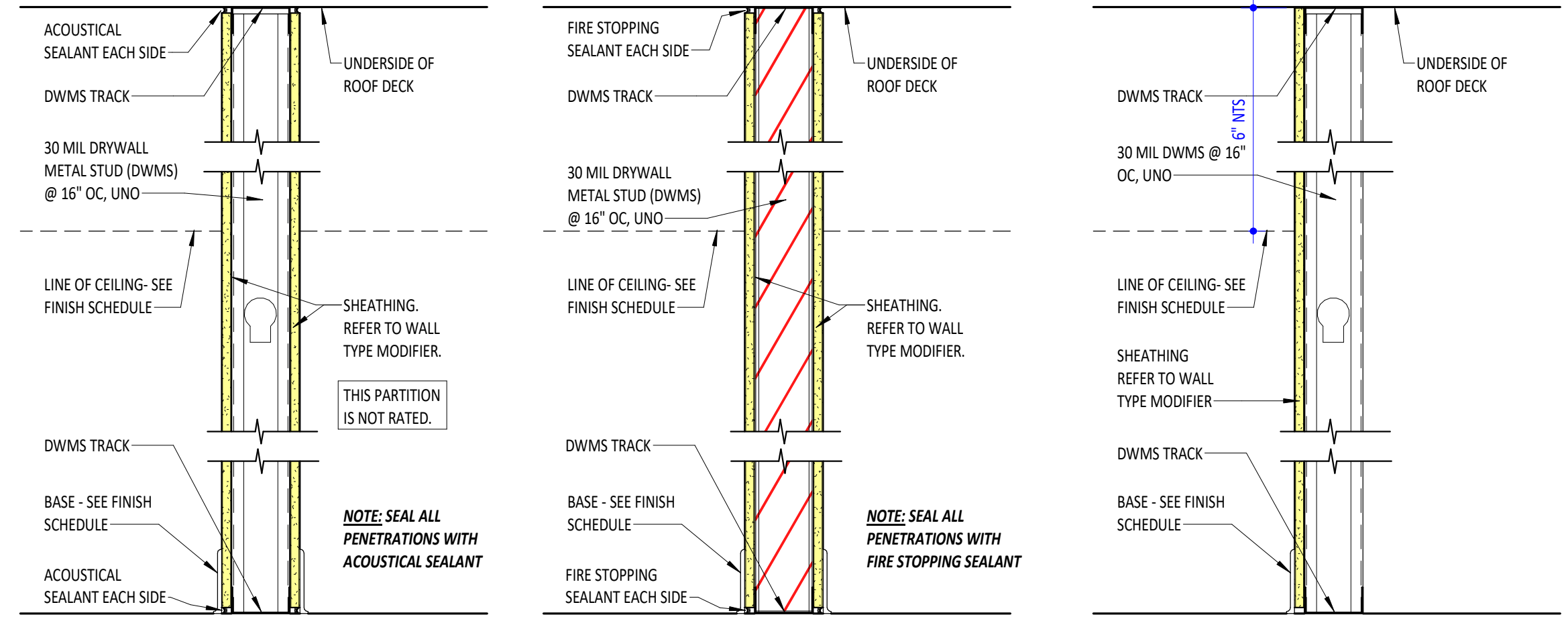


PARTITION TYPE LEGEND

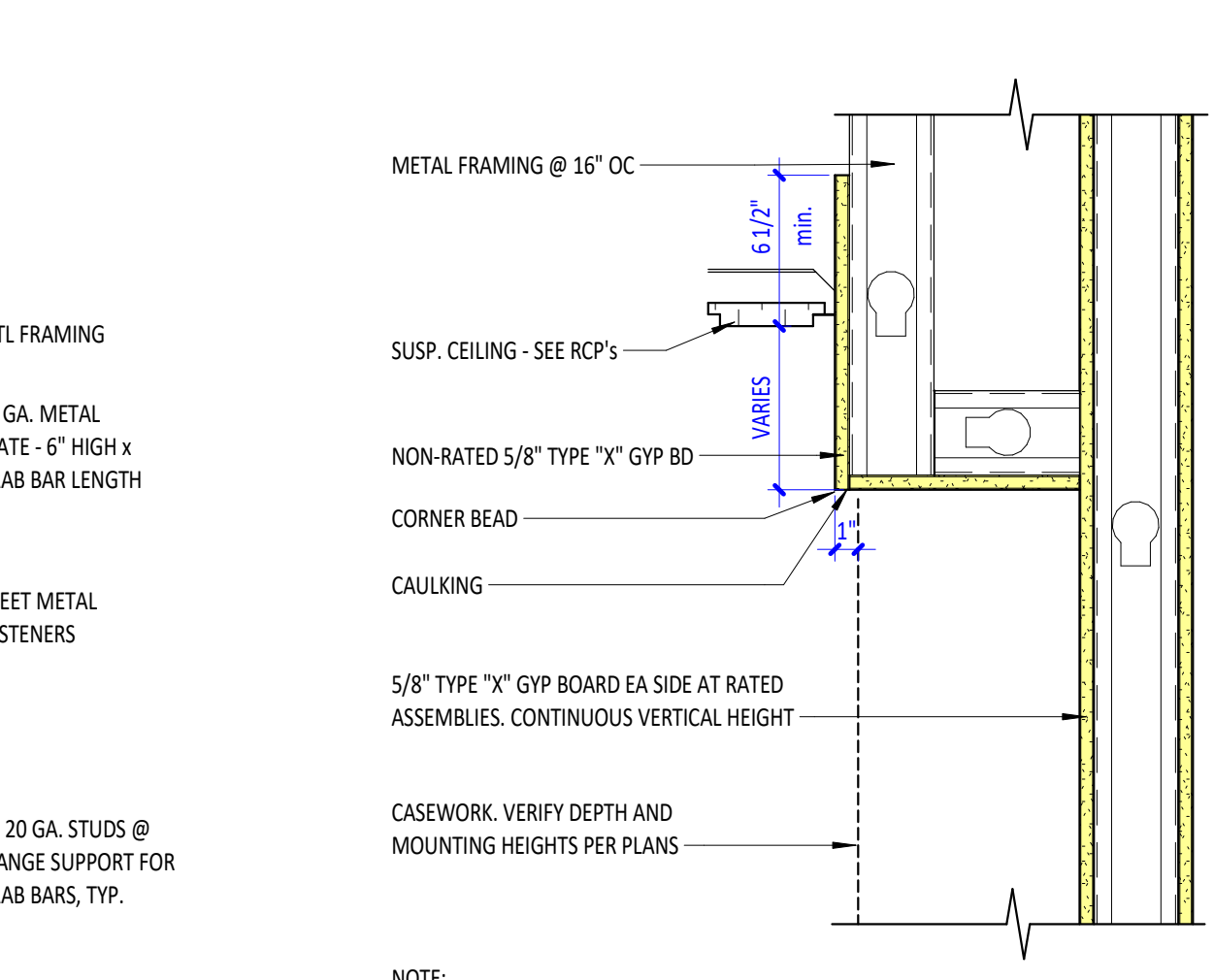
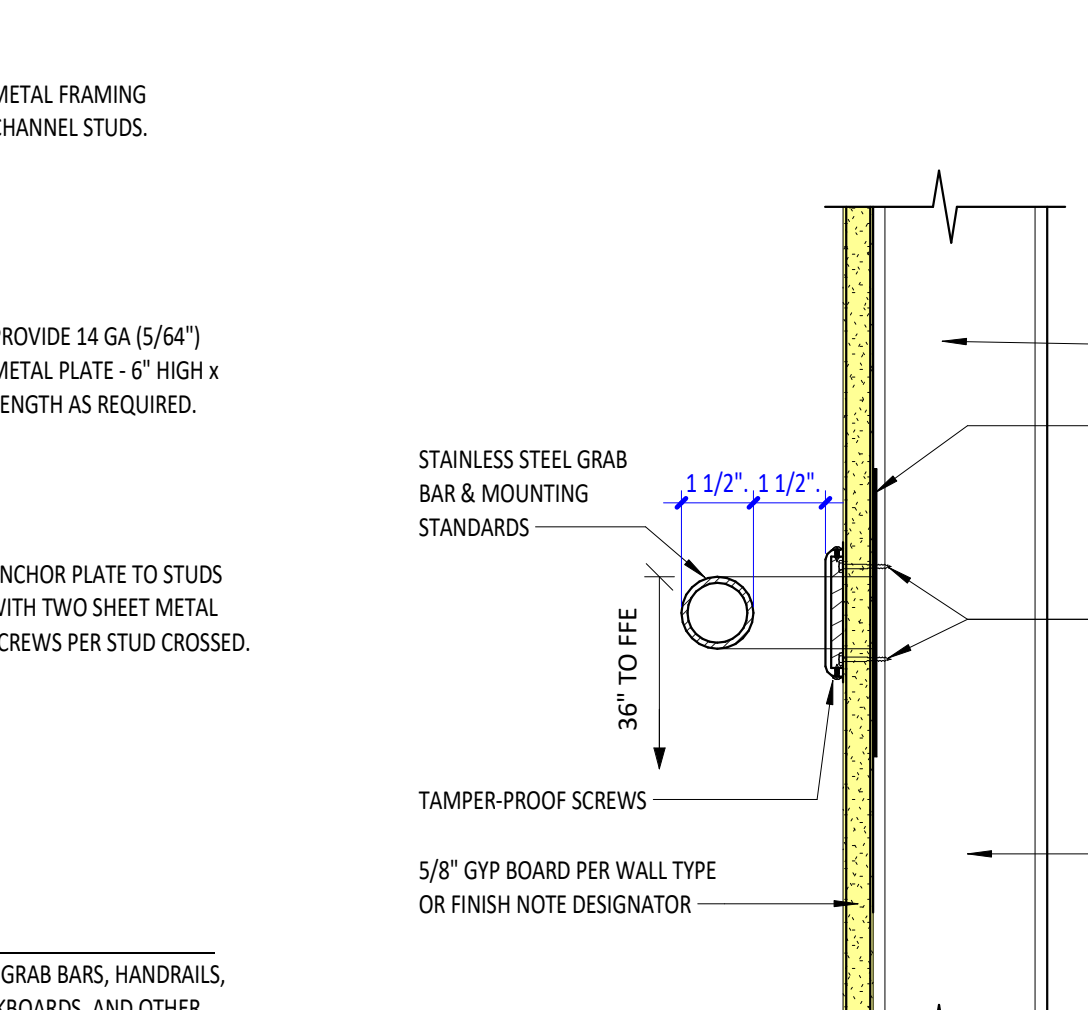
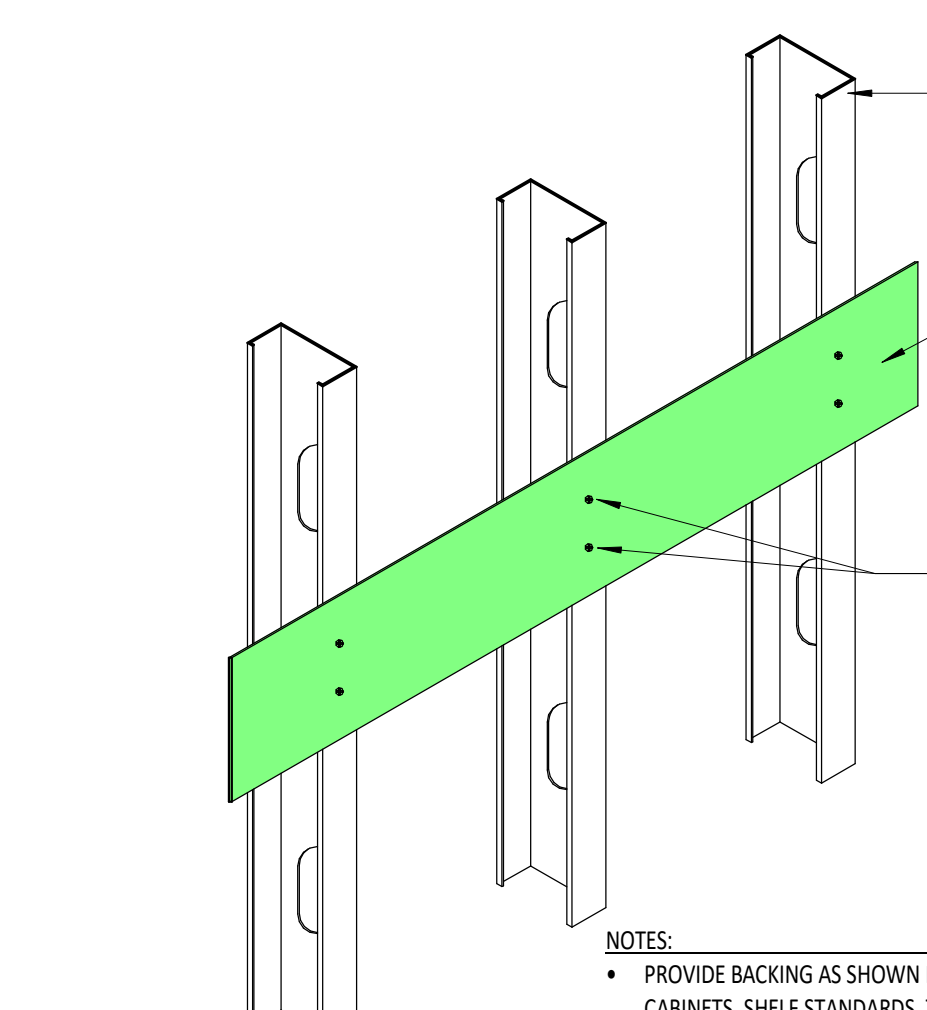
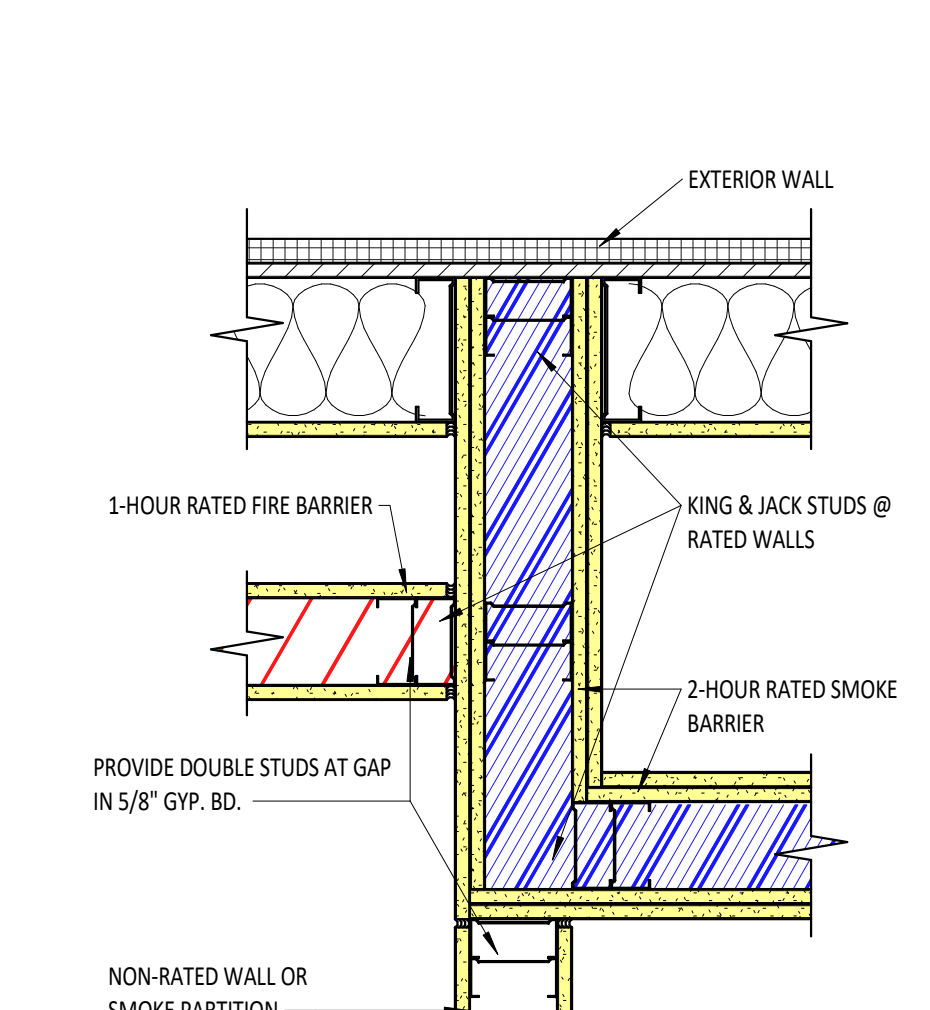
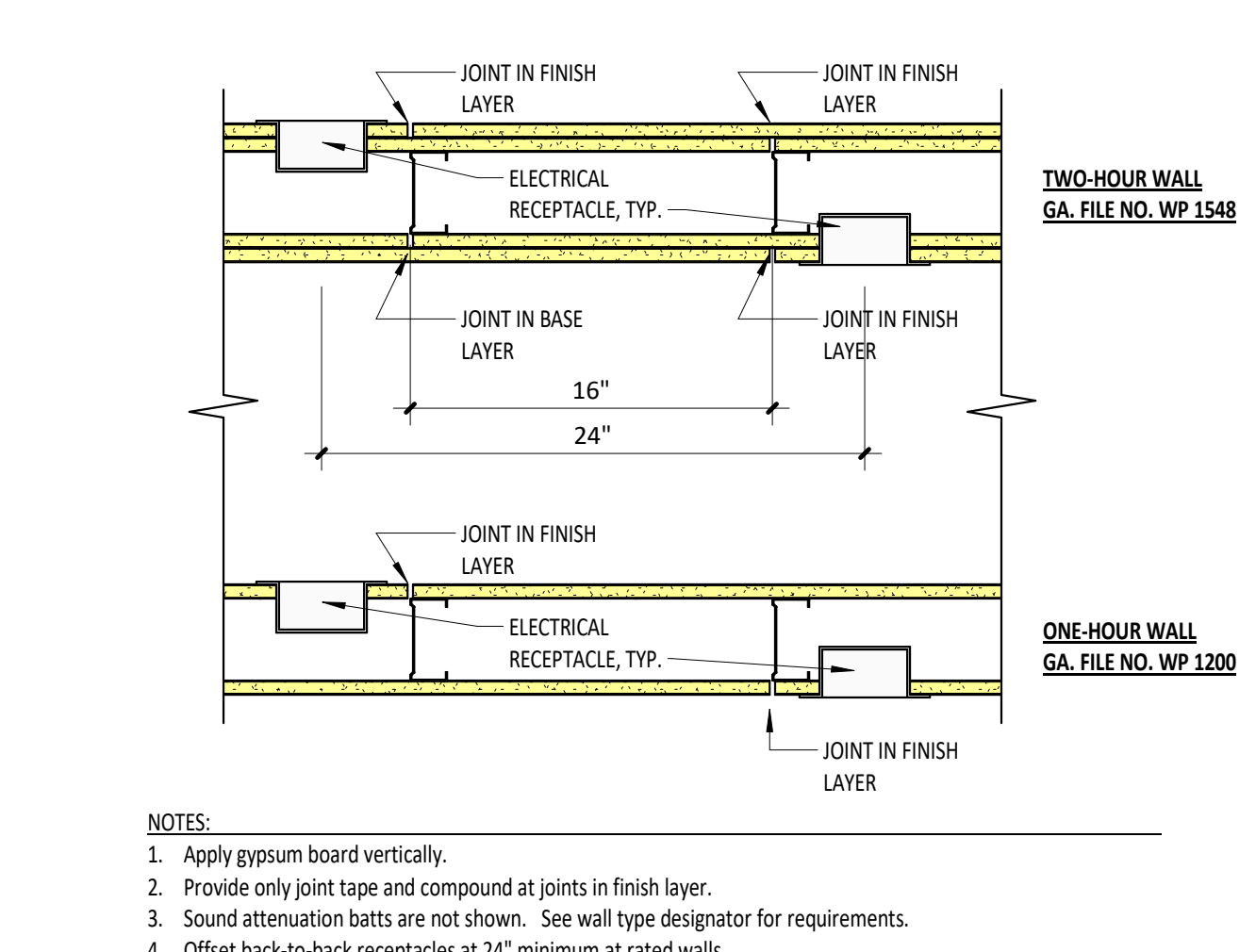
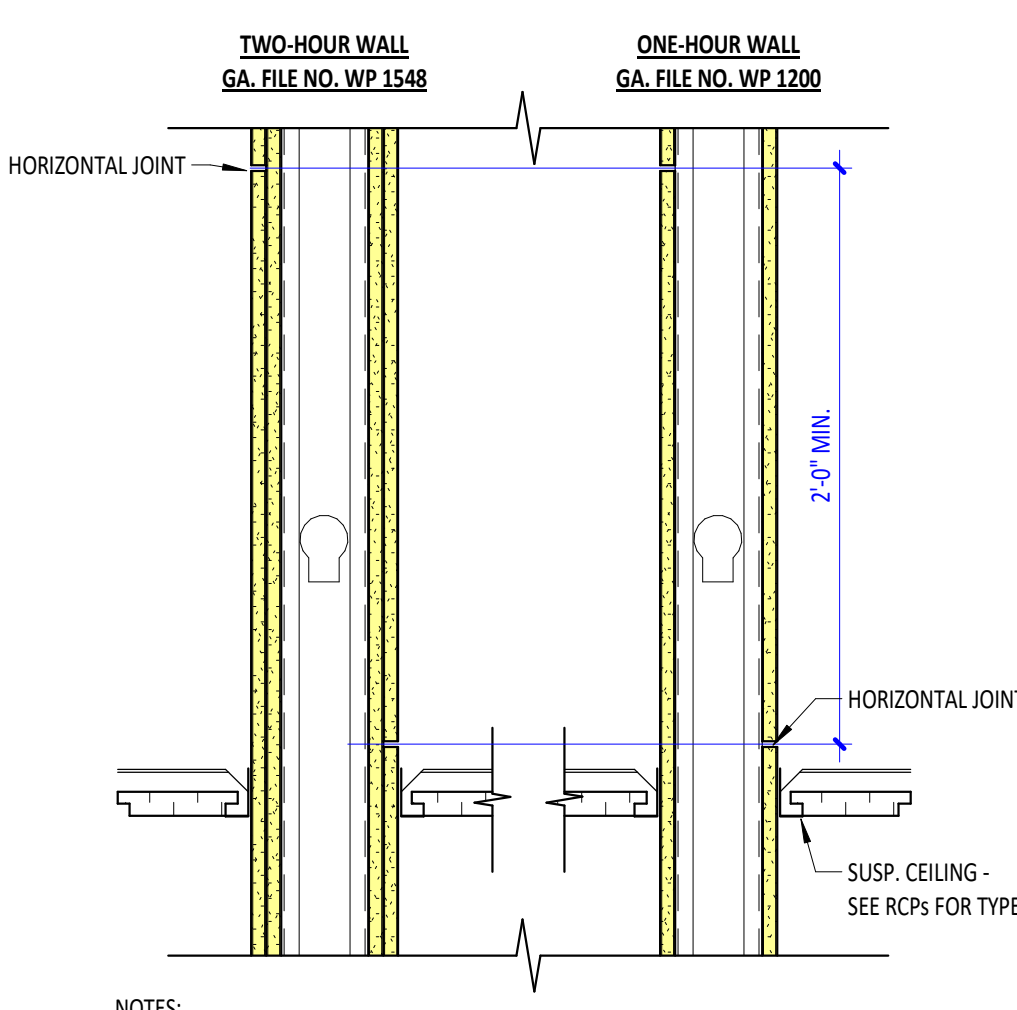
WALL TYPES			SYMBOL DESIGNATION		WALL HATCH PATTERN LEGEND	
C	CMU (MAY HAVE FURRING)		FOR WALL TYPES INDICATED TO RECEIVE SOUND ATTENUATION, EXTEND SOUND ATTENUATION TO FULL HEIGHT OF WALL UNLESS OTHERWISE INDICATED. REFER TO INDIVIDUAL WALL TYPE MODIFIER FOR STC RATINGS.	NON-RATED METAL STUD PARTITION		
G	GYP/UM BOARD WITH METAL STUDS	WALL TYPE		NON-RATED SMOKE PARTITION		
S	SHAFT WALL	STUD/CMU WIDTH		1 HOUR RATED FIRE PARTITION		
W	GYP/UM BOARD WITH WOOD STUDS	WALL TYPE MODIFIER		2 HOUR RATED FIRE PARTITION		
		FIRE RATING OR PARTITION HEIGHT		1 HOUR RATED FIRE/SMOKE BARRIER		
				2 HOUR RATED FIRE/SMOKE BARRIER		
				NON RATED MASONRY		
				1 HOUR RATED MASONRY FIRE BARRIER (ULF U90S)		
				2 HOUR RATED MASONRY FIRE BARRIER (ULF U90S)		

GENERAL NOTES - RATED ASSEMBLIES

- Protect and seal openings through floors, ceilings, and roofs to a one-hour or two-hour rating standard as indicated on the drawings. Seal all penetrations through rated walls and floors with a material capable of preventing the passage of flames and hot gases and to meet test standards for fire stopping (ASTM E 814 or NFPA 251).
- Permanently identify all fire walls with a sign with 2-inch high lettering on a contrasting background. Place signs 12-feet apart, maximum, and locate above ceiling. (At spaces with no ceiling, located within 18-inches of underside of floor above.) Provide one sign, minimum, per wall or barrier. Provide the following text:
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 2-HOUR FIRE RATED WALL - PROTECT ALL OPENINGS
- Permanently identify all smoke barrier walls with a sign with 2-inch high lettering on a contrasting background. Place signs 12-feet apart, maximum, and locate above ceiling. (At spaces with no ceiling, located within 18-inches of underside of floor above.) Provide one sign, minimum, per wall or barrier. Provide the following text:
 1-HOUR SMOKE BARRIER WALL - PROTECT ALL OPENINGS
 2-HOUR SMOKE BARRIER WALL - PROTECT ALL OPENINGS



B FULL-HGT PARTITION 1 1/2" = 1'-0"
C RATED WALL 1 1/2" = 1'-0"
E FURRING PARTITION 1 1/2" = 1'-0"



3 Rated Partition - Horizontal Joint Layout A4-1A 1 1/2" = 1'-0"

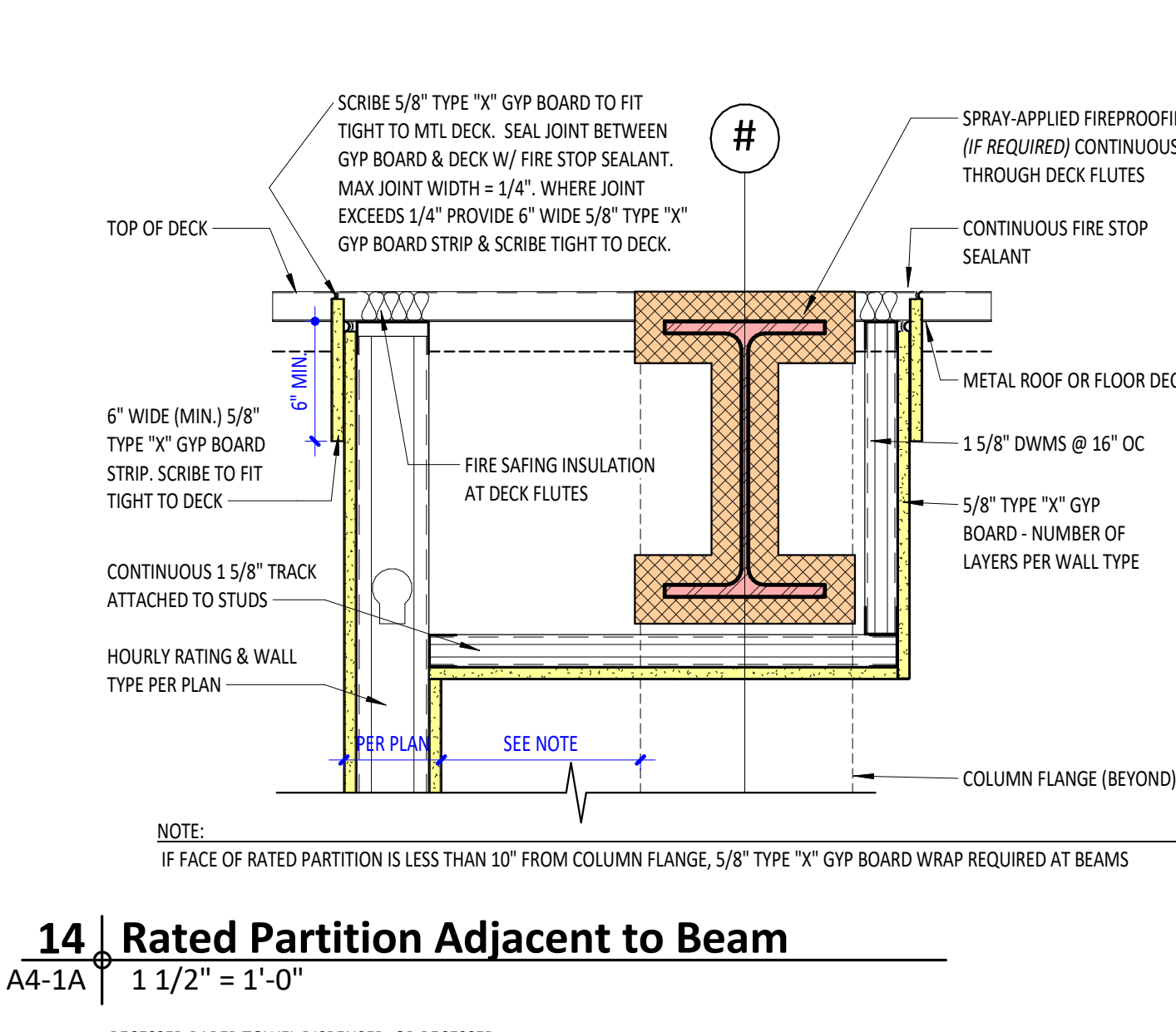
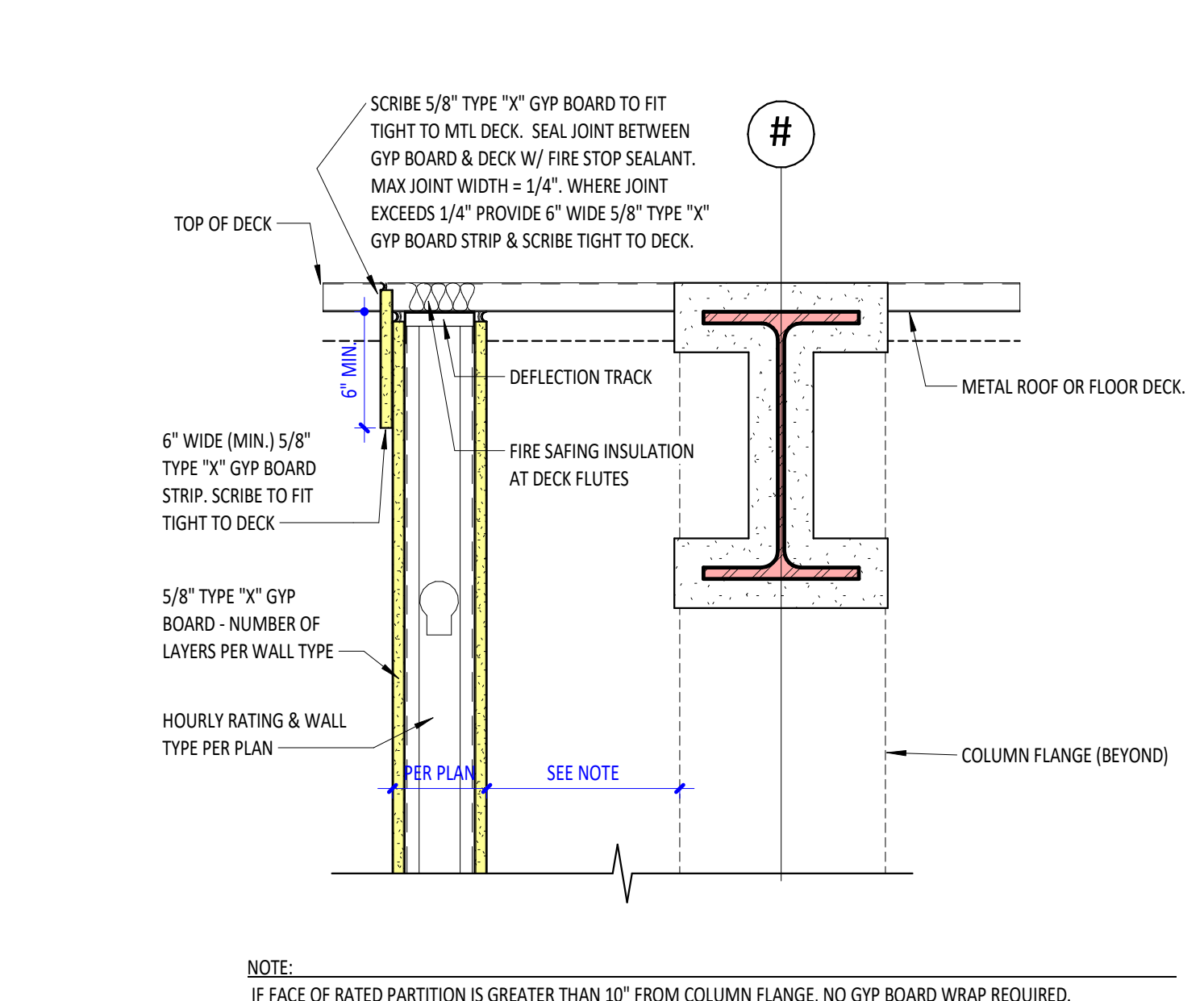
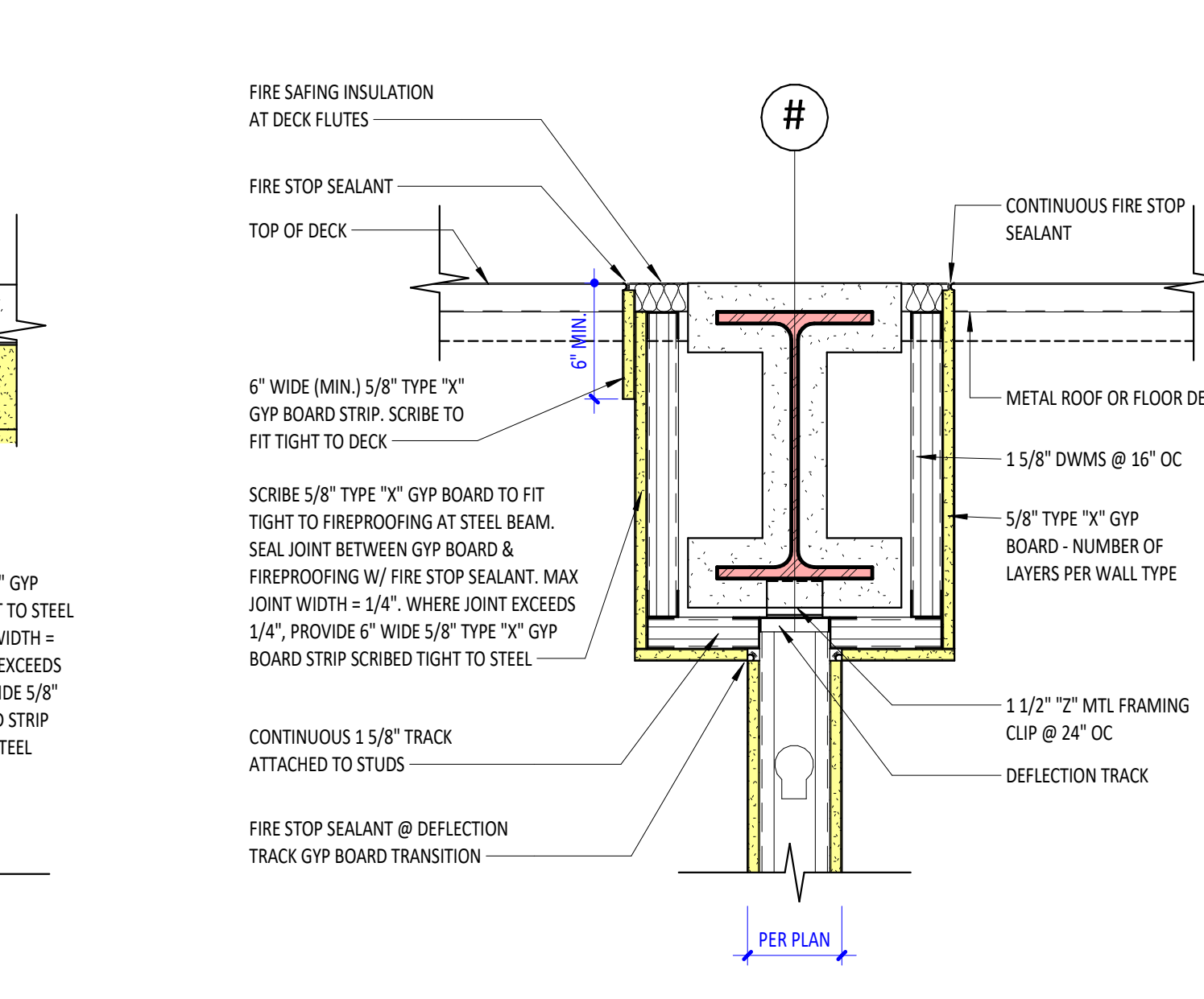
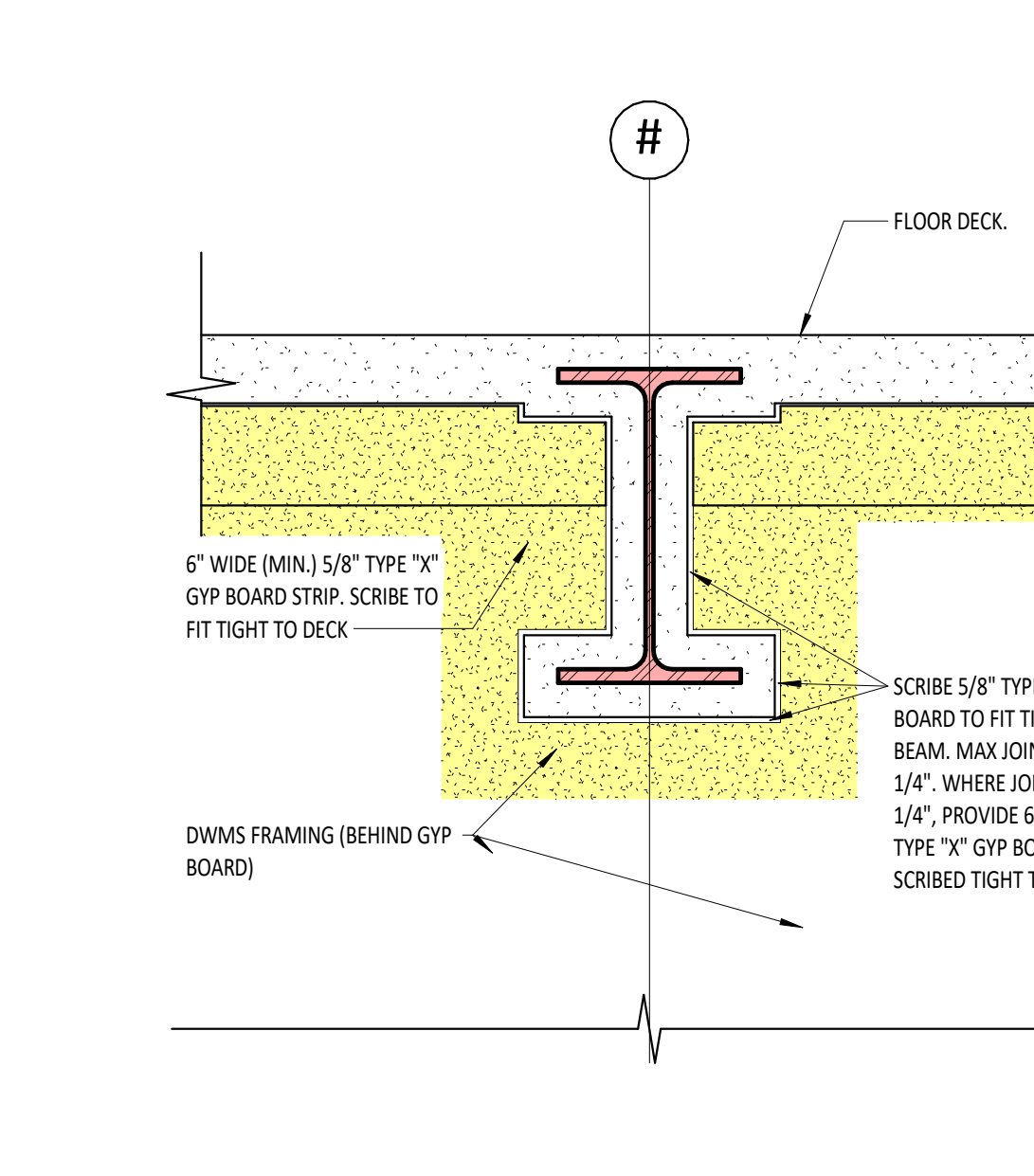
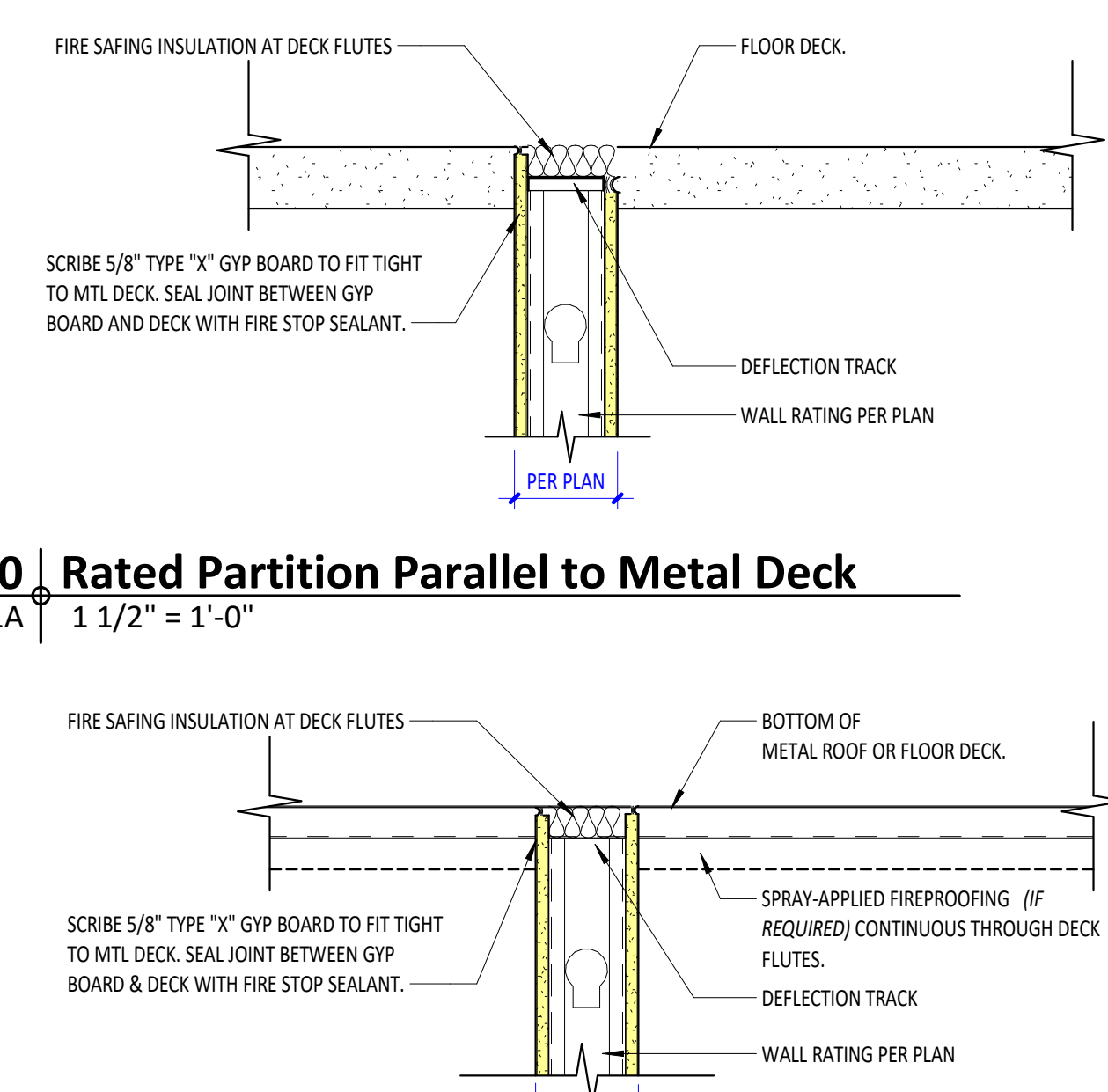
4 Rated Partition - Vertical Joint Layout A4-1A 1 1/2" = 1'-0"

5 Rated Partition - Hierarchy Diagram A4-1A 1 1/2" = 1'-0"

6 Partition Backing Support A4-1A 1 1/2" = 1'-0"

7 Attachment at Grab Bars A4-1A 3" = 1'-0"

8 Bulkhead at Casework A4-1A 1 1/2" = 1'-0"



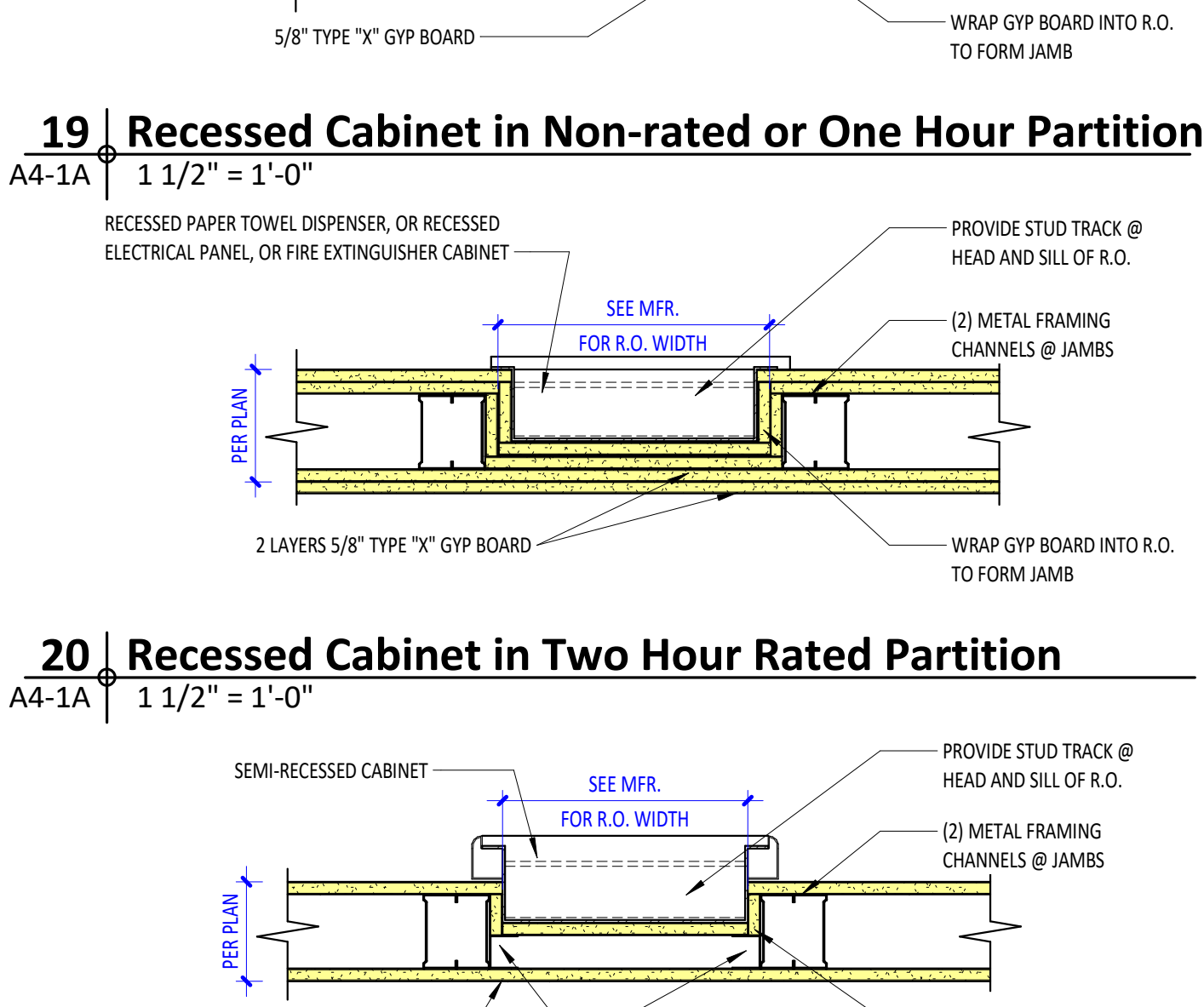
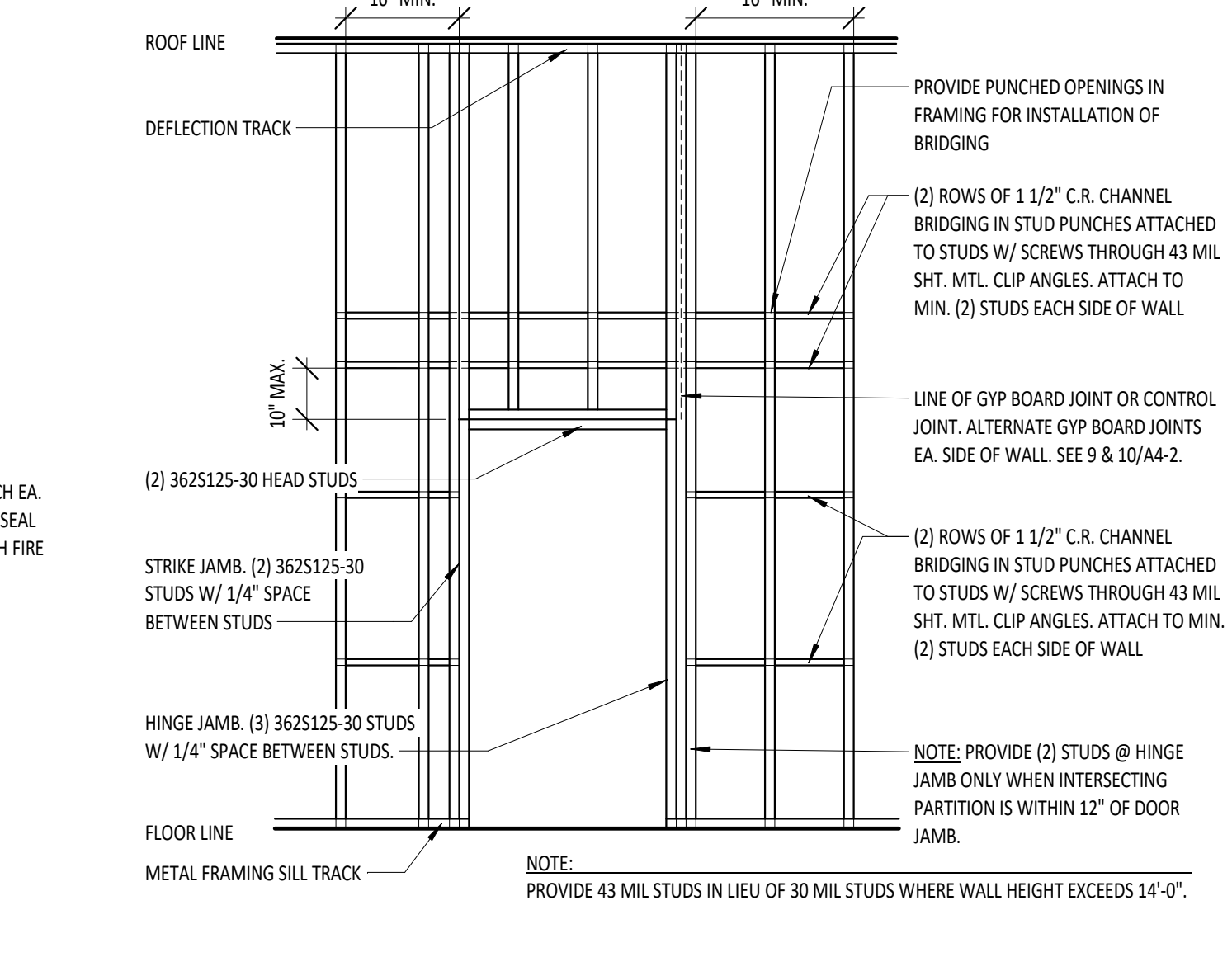
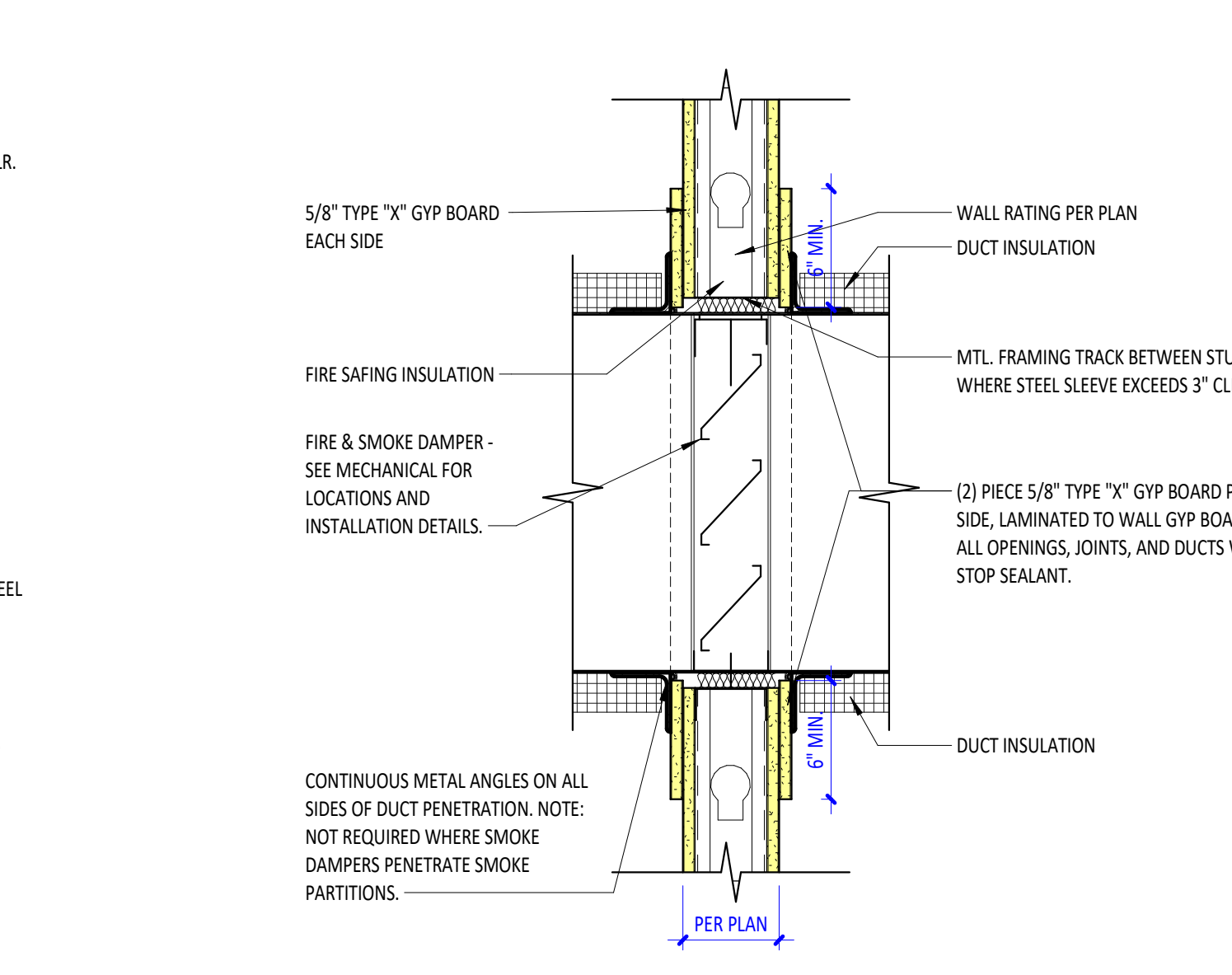
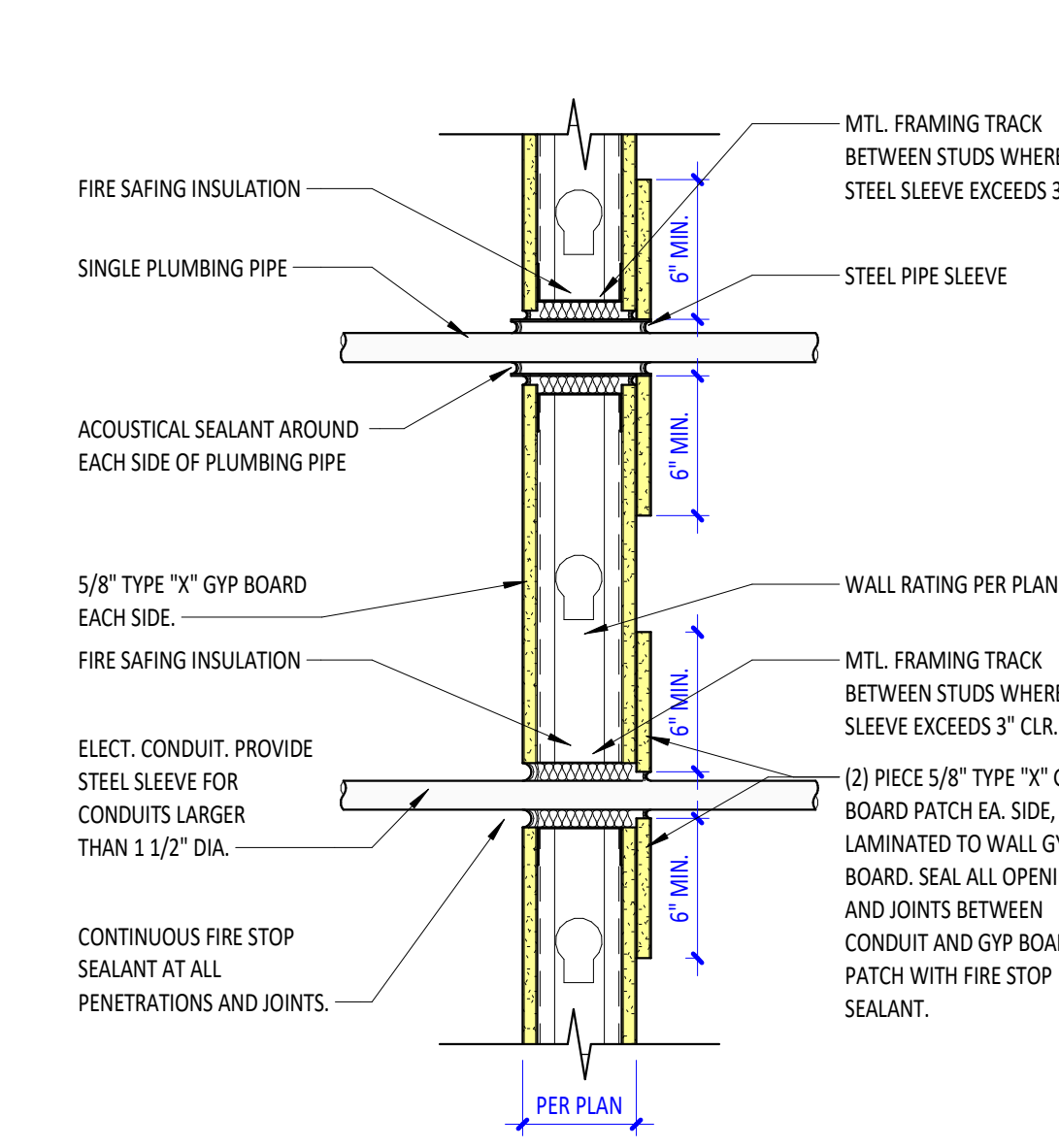
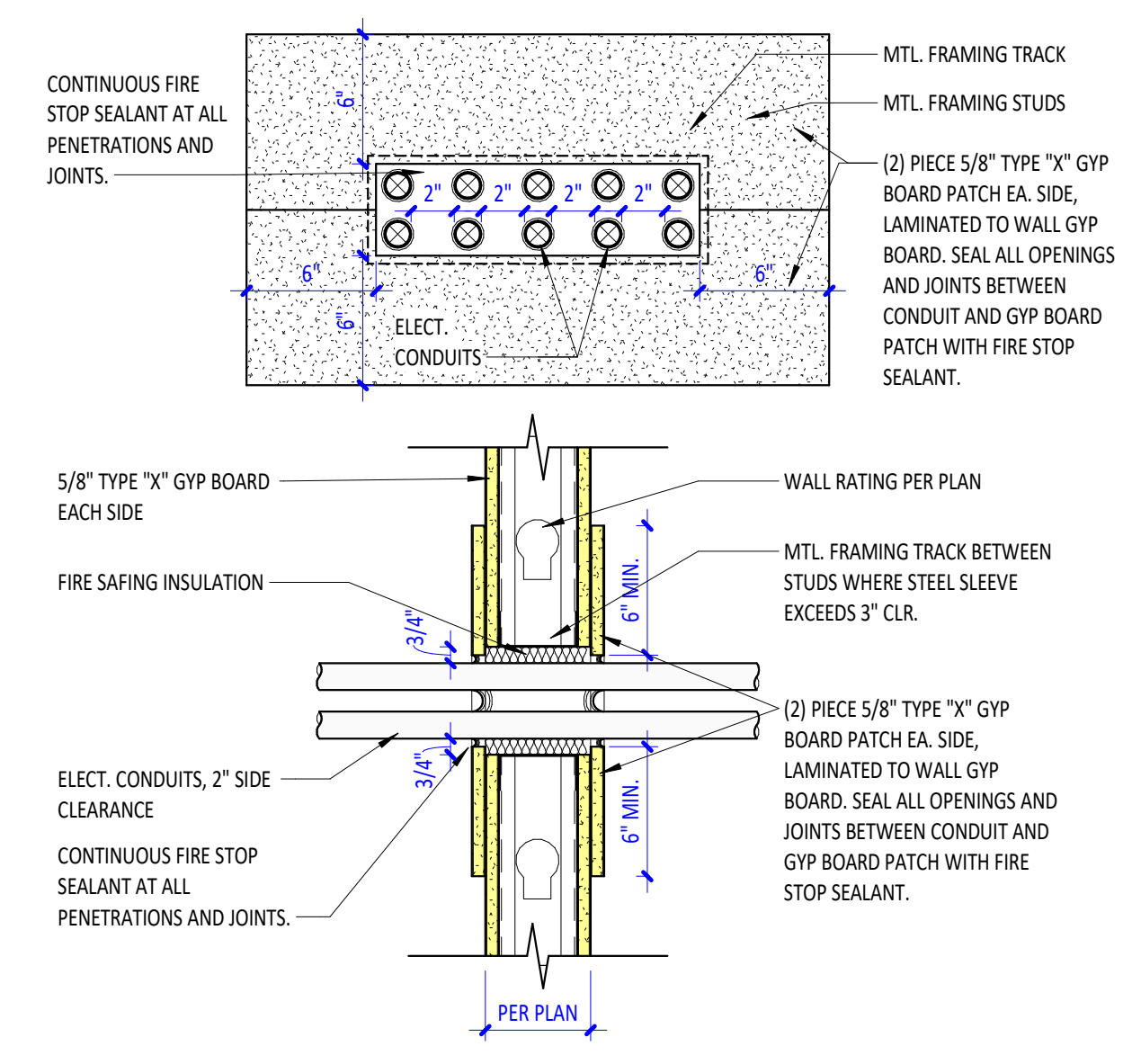
9 Rated Partition Perpendicular to Metal Deck A4-1A 1 1/2" = 1'-0"

10 Rated Partition Parallel to Metal Deck A4-1A 1 1/2" = 1'-0"

11 Rated Partition Perpendicular to Beam A4-1A 1 1/2" = 1'-0"

12 Rated Partition under Beam A4-1A 1 1/2" = 1'-0"

13 Rated Partition 10" Beyond Beam A4-1A 1 1/2" = 1'-0"



14 Rated Partition Adjacent to Beam A4-1A 1 1/2" = 1'-0"

15 Multiple Conduit Penetrations at Rated Partition A4-1A 1 1/2" = 1'-0"

16 Single Conduit or Pipe Penetration at Rated Partition A4-1A 1 1/2" = 1'-0"

17 Duct Penetration at Rated Partition A4-1A 1 1/2" = 1'-0"

18 Stud Framing at Doors/Windows A4-1A 1 1/2" = 1'-0"

19 Recessed Cabinet in Non-rated or One Hour Partition A4-1A 1 1/2" = 1'-0"

20 Recessed Cabinet in Two Hour Partition A4-1A 1 1/2" = 1'-0"

21 Semi-recessed Cabinet in Non-rated or One Hour Partition A4-1A 1 1/2" = 1'-0"



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Project Status: **Working Drawings**

Revision No. (if any): **2021-003** Revision Date: **10/14/21**

Project No.: **10/14/21** Current Date: **10/14/21**

Drawing Name: **Working Drawings**

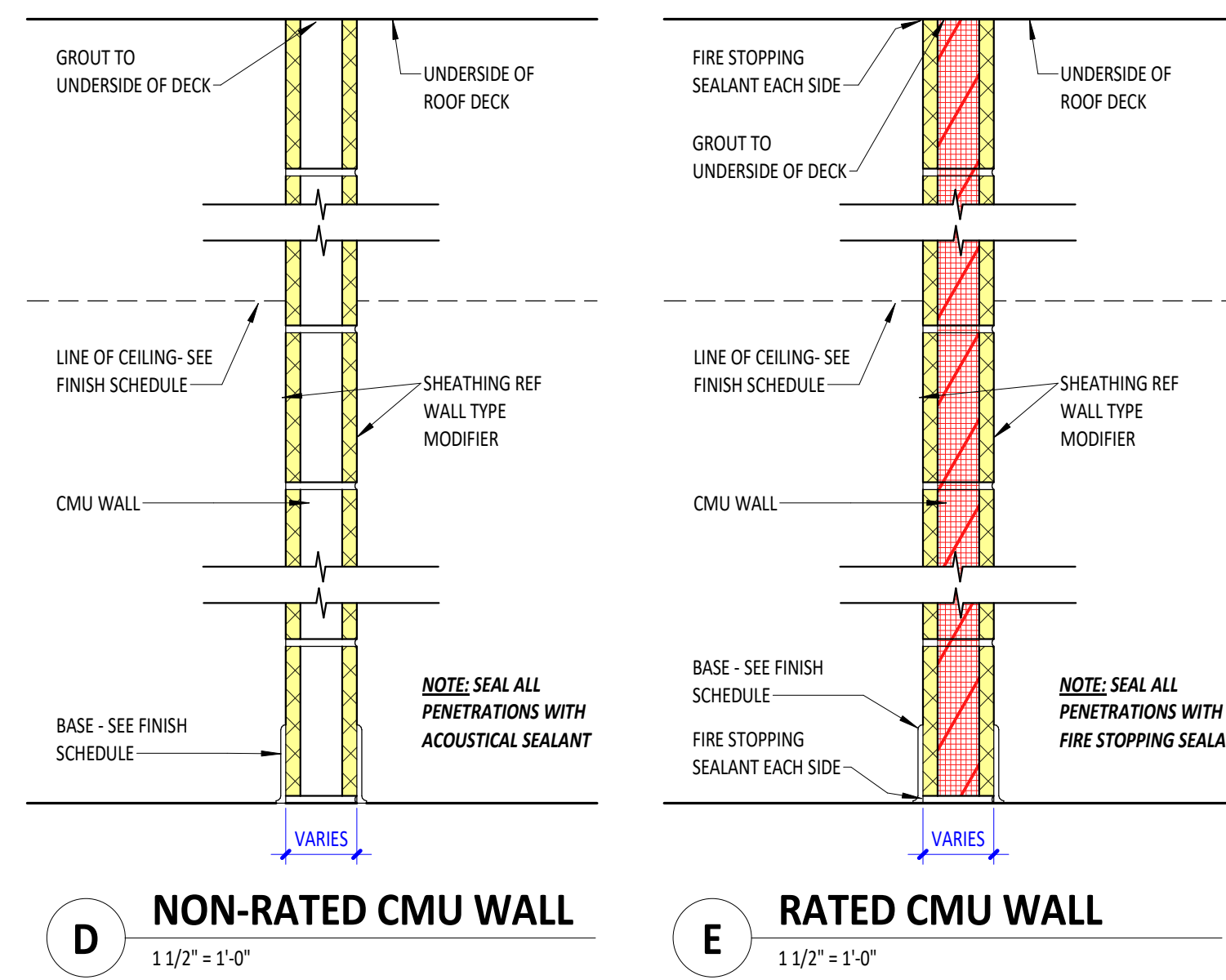
Wall Types and Details - Metal Framing

A4-1A

PARTITION TYPE LEGEND

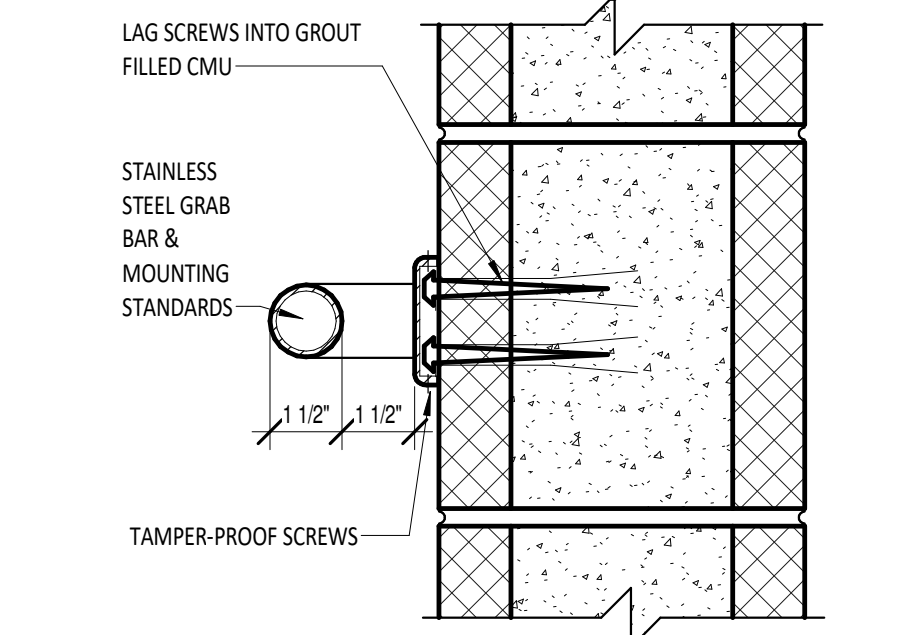
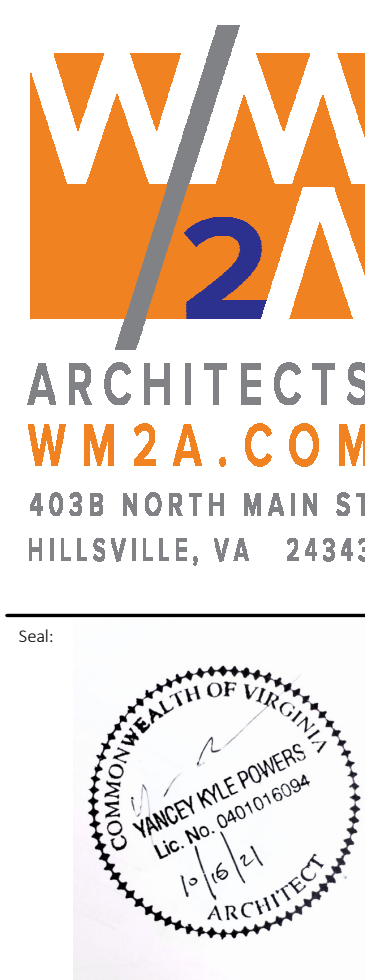
WALL TYPES			WALL TYPE DESIGNATION		WALL HATCH PATTERN LEGEND	
C	CMU (MAY HAVE FURRING)		—	STUD/CMU WIDTH	NON-RATED METAL STUD PARTITION	
G	GYP/UM BOARD WITH METAL STUDS		—	WALL TYPE MODIFIER	NON-RATED SMOKE PARTITION	
S	SHAFTWALL		—	FIRE RATING OR PARTITION HEIGHT	1 HOUR RATED FIRE PARTITION	
W	GYP/UM BOARD WITH WOOD STUDS		—		2 HOUR RATED FIRE BARRIER	
					1 HOUR RATED FIRE/SMOKE BARRIER	
					2 HOUR RATED FIRE/SMOKE BARRIER	
					NON RATED MASONRY	
					1 HOUR RATED MASONRY FIRE BARRIER (UL# U90S)	
					2 HOUR RATED MASONRY FIRE BARRIER (UL# U90S)	

STUD/CMU WIDTH	WALL TYPE MODIFIER	FIRE RATING OR PARTITION HEIGHT
#	A. 5/8" GYP BD EA SIDE - (NO SAB + STC 40; W/R-11 SAB + STC 48)	0 NON-RATED, EXTEND FINISH 6-INCHES ABOVE CEILING.
0	B. 5/8" GYP BD EA SIDE - UL DESIGN U419. (NO SAB + STC 40; W/R-11 SAB + STC 48)	F NON-RATED, FULL HEIGHT TO STRUCTURE.
1	C. 5/8" GYP BD (X 2 LAYERS) EA SIDE - UL DESIGN U419. (NO SAB + STC 40; W/R-11 SAB + STC 48)	S NON-RATED SMOKE PARTITION
2	D. 1" GYP BD SHAFT SIDE, 1/2" GYP BD (X 2 LAYERS) OPP SIDE - UL DESIGN U438. (NO SAB + STC 38; W/3-INCH MIN FIBER + STC 50)	B 1 HOUR RATED FIRE/SMOKE BARRIER
3	E. 5/8" GYP BD - EXPOSED SIDE ONLY.	C 2 HOUR RATED FIRE/SMOKE BARRIER
4	F. NO SHEATHING ON CMU.	1 1 HOUR RATED FIRE PARTITION
5	G. 5/8" GYP BD ON 7/8" HAT CHNL - EACH SIDE OF CMU.	2 2 HOUR RATED FIRE BARRIER
6	H. 5/8" GYP BD ON 7/8" HAT CHNL - EXPOSED SIDE OF CMU.	H EXTEND CMU TO NEXT FULL COURSE ABOVE CEILING (4-INCH MINIMUM ABOVE CEILING).
7		X SEE BLDG SECTION/ELEVATION FOR HEIGHT.
8		
12		

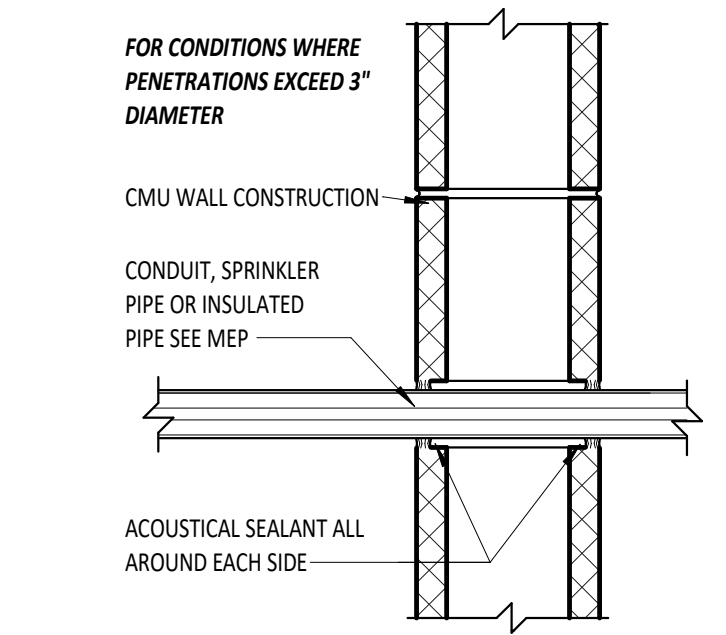


GENERAL NOTES - RATED ASSEMBLIES

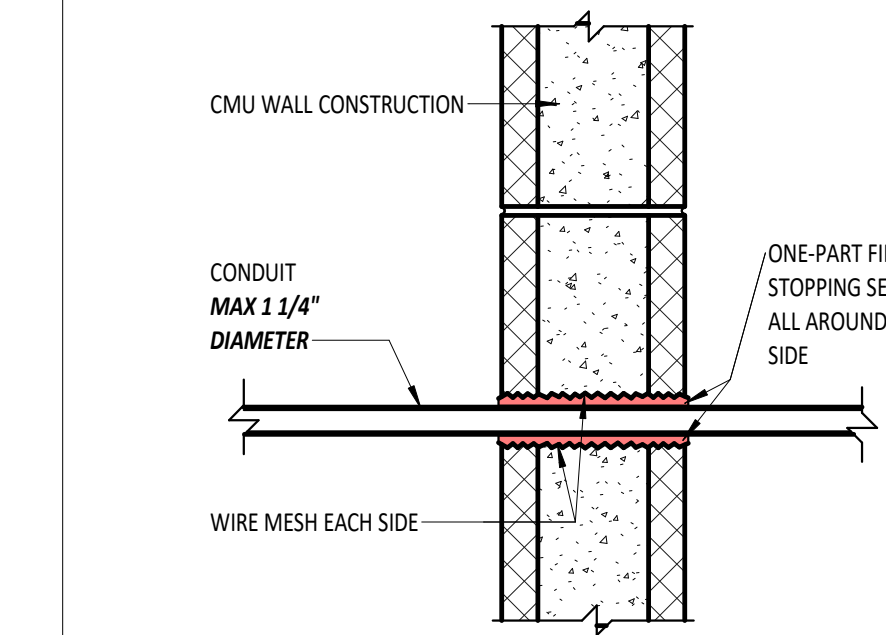
- Protect and seal openings through floors, ceilings, and roofs to a one-hour or two-hour rating standard as indicated on the drawings. Seal all penetrations through rated walls and floors with a material capable of preventing the passage of flames and hot gases and to meet test standards for fire stopping (ASTM E 814 or NFPA 251).
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- Permanently identify all smoke barrier walls with a sign with 2-inch high lettering on a contrasting background. Place signs 12-feet apart, maximum, and locate above ceiling. (At spaces with no ceiling, located within 18-inches of underside of floor above.) Provide one sign, minimum, per wall or barrier. Provide the following text:
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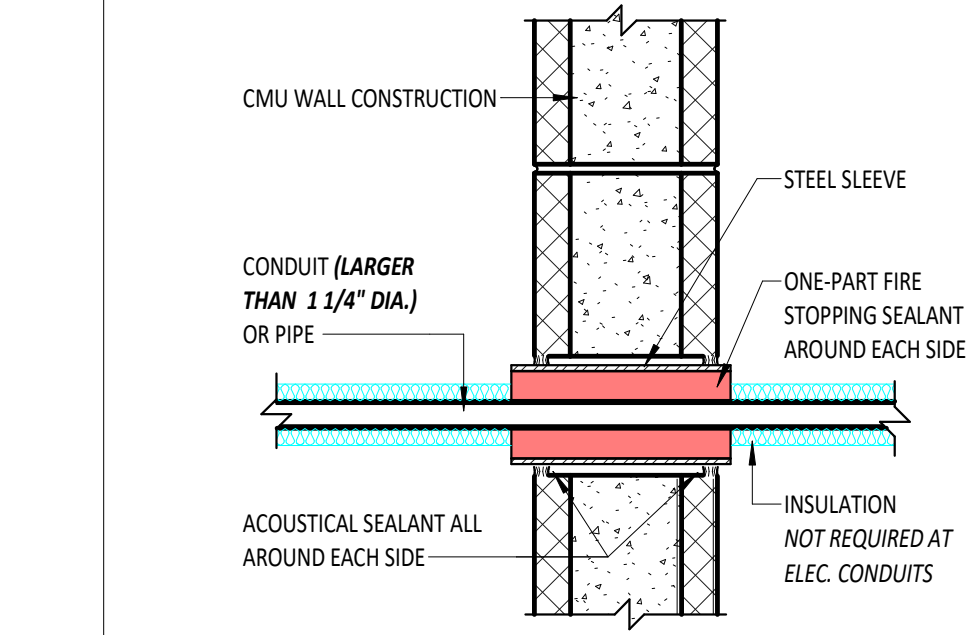
2 SECTION - Grab Bar @ CMU Wall
A4-1C 3" = 1'-0"



3 SECTION - Penetration @ Non-Rated CMU
A4-1C 1 1/2" = 1'-0"



4 SECTION - Penetration @ Fire Rated CMU
A4-1C 1 1/2" = 1'-0"

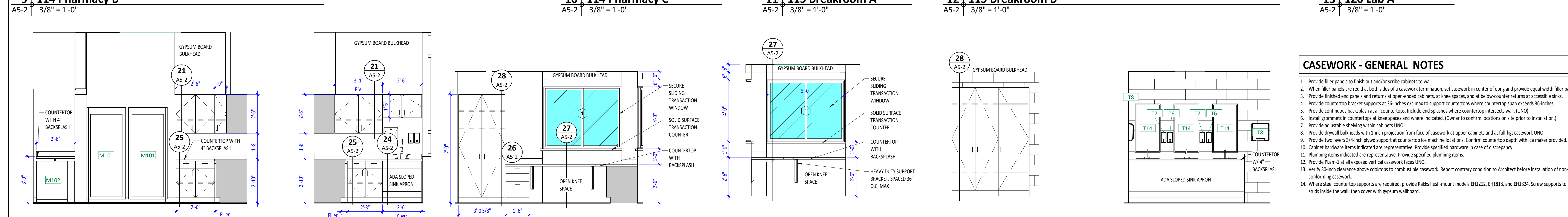
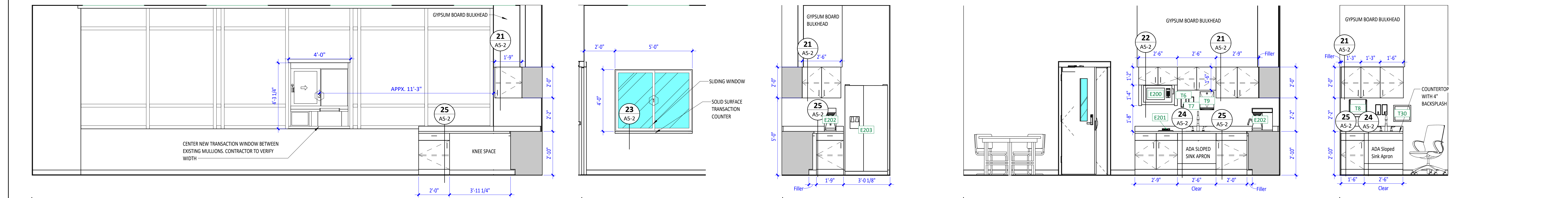
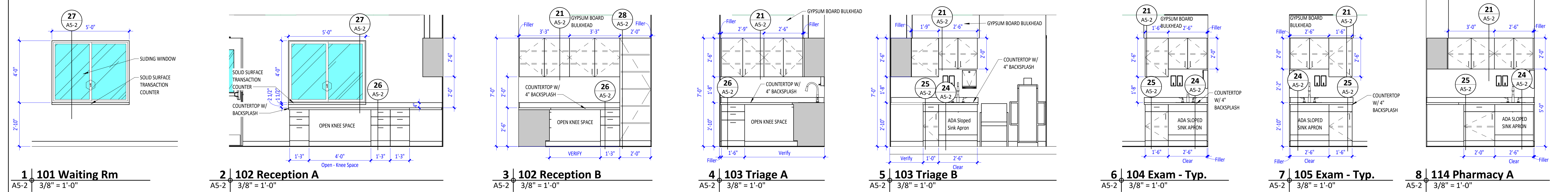
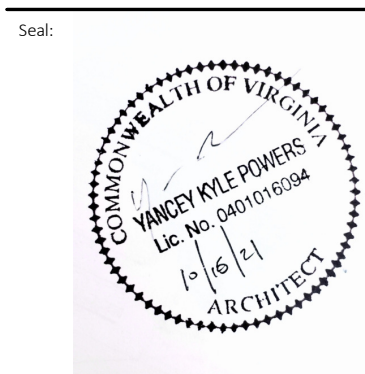


5 SECTION - Penetration @ Fire Rated CMU.
A4-1C 1 1/2" = 1'-0"

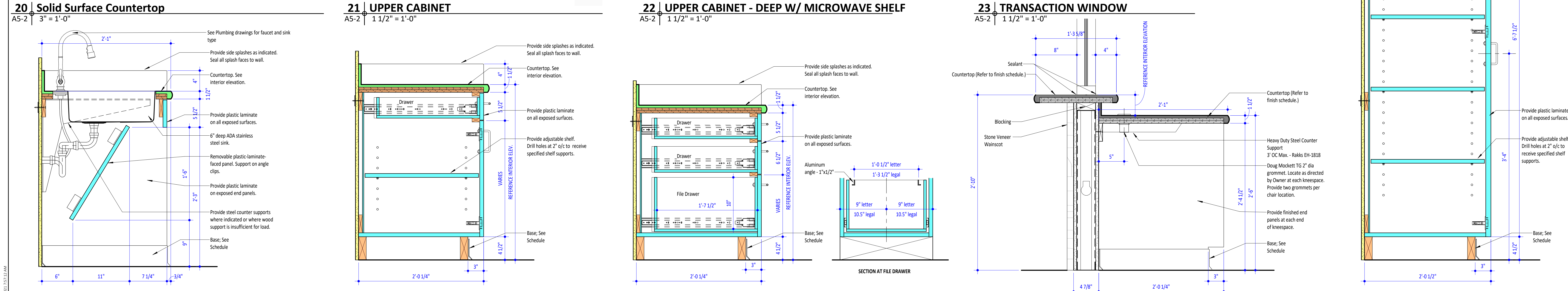
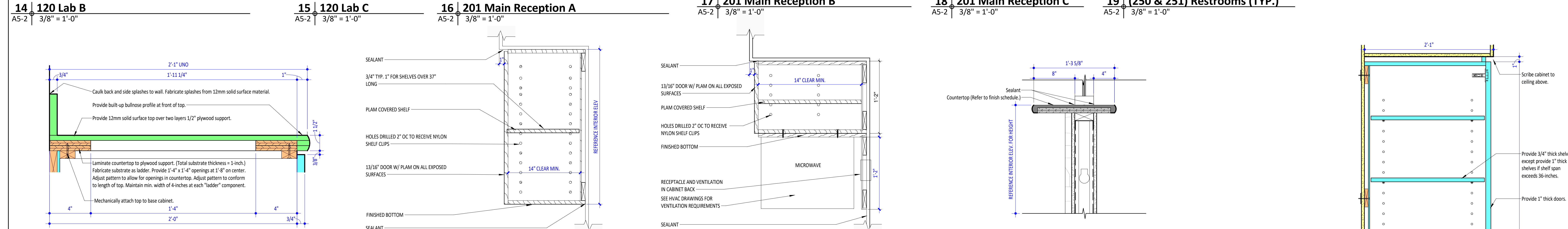
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 Project Status: Working Drawings
 Revision No (if any): Revision Date:
 Project No: 2021-003 Current Date: 10/14/21
 Drawing Name: Wall Types and Details - Masonry
A4-1C



- CASEWORK - GENERAL NOTES**
1. Provide filler panels to finish out and/or scribe cabinets to wall.
 2. When filler panels are req'd at both sides of a casework termination, set casework in center of opening and provide equal width filler panels.
 3. Provide finished end panels and returns at open-ended cabinets, at knee spaces, and at below-counter returns at accessible sinks.
 4. Provide countertop bracket supports at 36-inches o/c; max to support countertops where countertop span exceeds 36-inches.
 5. Provide continuous backsplash at all countertops. Include end splashes where countertop intersects wall. (UNO)
 6. Install grommets in countertops at knee-spaces and where indicated. (Owner to confirm locations on site prior to installation.)
 7. Provide adjustable shelving within cabinets. UNO.
 8. Provide drywall bulkheads with 1-inch projection from face of casework at upper cabinets and at full-height casework. UNO.
 9. Provide two layers 3/4-inch plywood support at countertop ice machine locations. Confirm countertop depth with ice maker provided.
 10. Cabinet hardware items indicated are representative. Provide specified hardware in case of discrepancy.
 11. Plumbing items indicated are representative. Provide specified plumbing items.
 12. Provide PLM-1 at all exposed vertical casework faces UNO.
 13. Verify 30-inch clearance above cooktops to combustible casework. Report contrary condition to Architect before installation of non-conforming casework.
 14. Where steel countertop supports are required, provide flasks flush-mount models EH1212, EH1818, and EH1824. Screw supports to metal studs inside the wall; then cover with gypsum wallboard.



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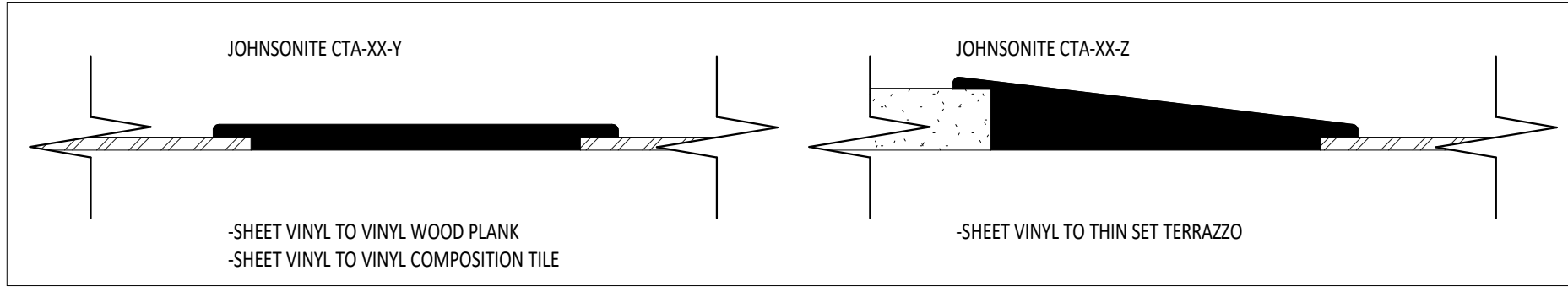
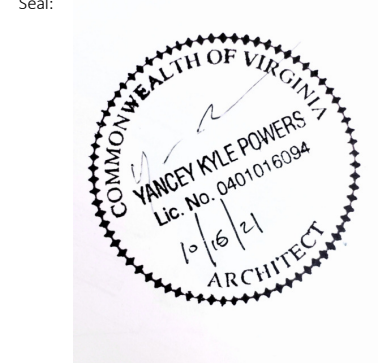
Project Status: **Working Drawings**

Revision No. (if any): Revision Date:
2021-003 10/14/21

Project No.: Client Code:
2021-003 10/14/21

Drawing Name: **Interior Elevations and Casework Details - Phase 1**

Drawing No: **A5-2**



4 FLOORING TRANSITION DETAILS
A7-1 1/2" = 1'-0"

FINISH PLAN NOTES:

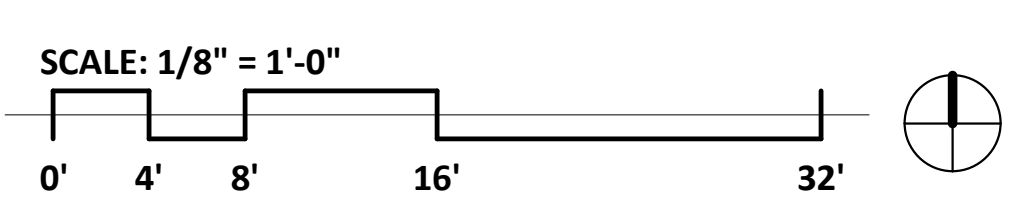
1. MATCH BULKHEAD PAINT COLOR WITH ADJACENT WALL COLOR U.N.O.

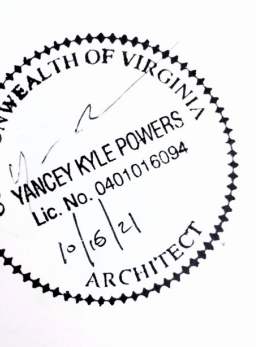


1 First Floor Plan - Finish Plan - Phase 1
A7-1 3/16" = 1'-0"

SPACE NO	SPACE NAME	AREA	FLOOR FINISH	BASE FINISH	WALL FINISH	CASEWORK FINISH		COMMENTS
						HORIZONTAL SURFACE	VERTICAL SURFACE	
100	ENTRANCE	75 SF	LVT1	B1	P1	SS1	L1	
100	CORRIDOR	167 SF	LVT1	B1	P1, P3	SS1	L1	
101	WAITING RM	193 SF	LVT1	B1	P1, P3	SS1	L1	
102	RECEPTION	128 SF	LVT1	B1	P1, P5	SS1	L1	
103	TRIAGE	88 SF	LVT1	B1	P1	SS1	L1	
104	EXAM 1	96 SF	LVT1	B1	P1, P5	SS1	L1	
105	EXAM 2	91 SF	LVT1	B1	P1, P3	SS1	L1	
106	EXAM 3	91 SF	LVT1	B1	P1, P5	SS1	L1	
107	EXAM 4	92 SF	LVT1	B1	P1, P3	SS1	L1	
108	STOREROOM	96 SF	LVT1	B1	P1	SS1	L1	
109	EVS	11 SF	LVT1	B1	P1	SS1	L1	
110	SOILED	13 SF	LVT1	B1	P1	SS1	L1	
111	STAFF TLT	48 SF	CT1	B2	P1 EPOXY PAINT, CT2	SS1	L1	
112	CHECK-IN	96 SF	LVT1	B1	P1, P5	SS1	L1	
113	CORRIDOR	31 SF	LVT1	B1	P1	SS1	L1	
114	PHARMACY	515 SF	C1	B1	P1	SS1	L1	
115	BREAKROOM	143 SF	LVT1	B1	P1, P5, CT2	SS1	L1	
116	DATA	22 SF	LVT1	B1	P1	SS1	L1	
117	STAFF OFFICE	77 SF	C1	B1	P1	SS1	L1	
118	TECH OFFICE	59 SF	C1	B1	P1	SS1	L1	
119	HALL	9 SF	LVT1	B1	P1	SS1	L1	
120	LAB	66 SF	SV1	SV2	P1, P5	SS1	L1	
120A	LAB	73 SF	SV1	SV2	P1, P3	SS1	L1	
121	TLT	50 SF	CT1	B2	P1 EPOXY PAINT, CT2	SS1	L1	
122	CORRIDOR	183 SF	LVT1	B1	P1, P3	SS1	L1	
124	CORRIDOR	2,208 SF	LVT1	B1	P1, P2, P3, P6	SS1	L1	
201	RECEPTION	138 SF	LVT1	B1	P1, P2	SS1	L1	
202	UNISEX FAMILY RESTROOM	61 SF	CT1	B2	P1 EPOXY PAINT, CT2	SS1	L1	
243	CLASSROOM	702 SF	LVT1	B2	P1, P3	SS1	L1	
244	STAIRS	220 SF	ETR	ETR	P1	SS1	L1	
245	CLASSROOM	694 SF	LVT1	B1	P1, P6	SS1	L1	
246	CLASSROOM	792 SF	LVT1	B1	P1, P6	SS1	L1	
247	HVAC	55 SF	LVT1	B1	P1	SS1	L1	
248	STORAGE	68 SF	LVT1	B1	P1	SS1	L1	
249	ELEC / HVAC	55 SF	LVT1	B1	P1	SS1	L1	
250	WOMENS RESTROOM	245 SF	CT1	B2	P1 EPOXY PAINT, CT2	SS1	L1	
251	MENS RESTROOM	193 SF	CT1	B2	P1 EPOXY PAINT, CT2	SS1	L1	
260	STAIRS	219 SF	ETR	ETR	P1	SS1	L1	

FINISH LEGEND
1 1/2" = 1'-0"



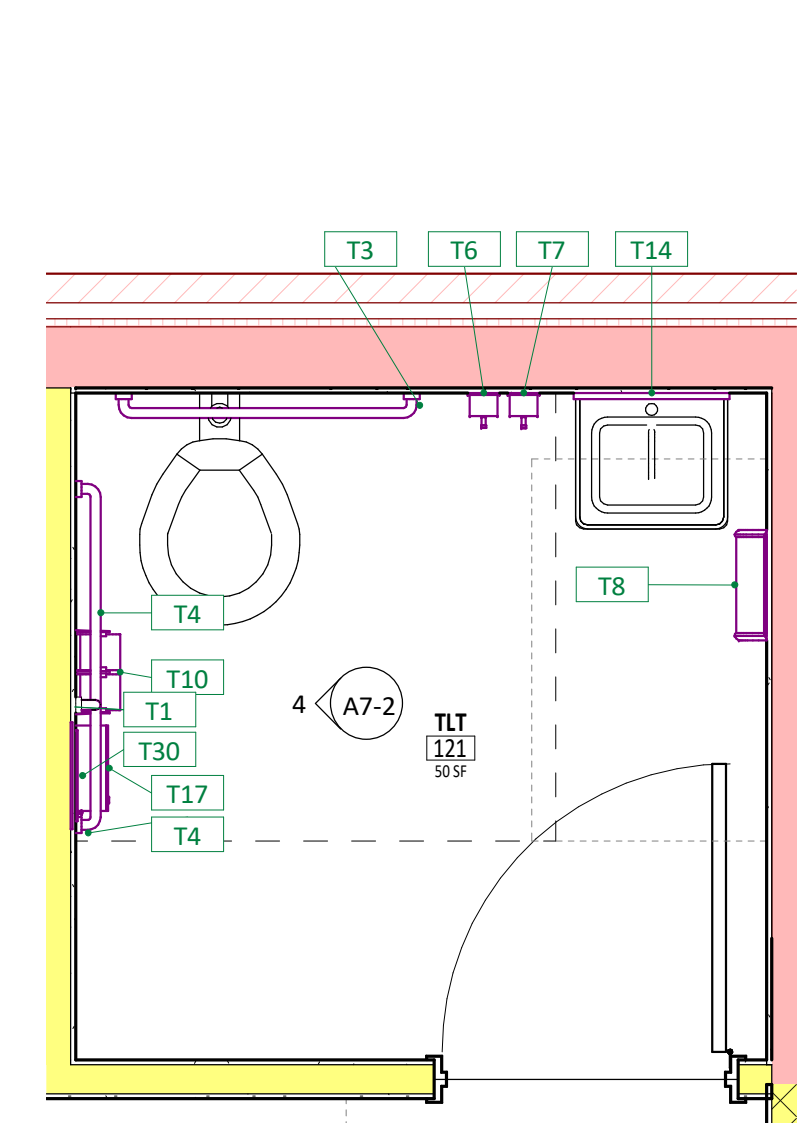


TOILET ACCESSORIES BY ROOM PHASE 1

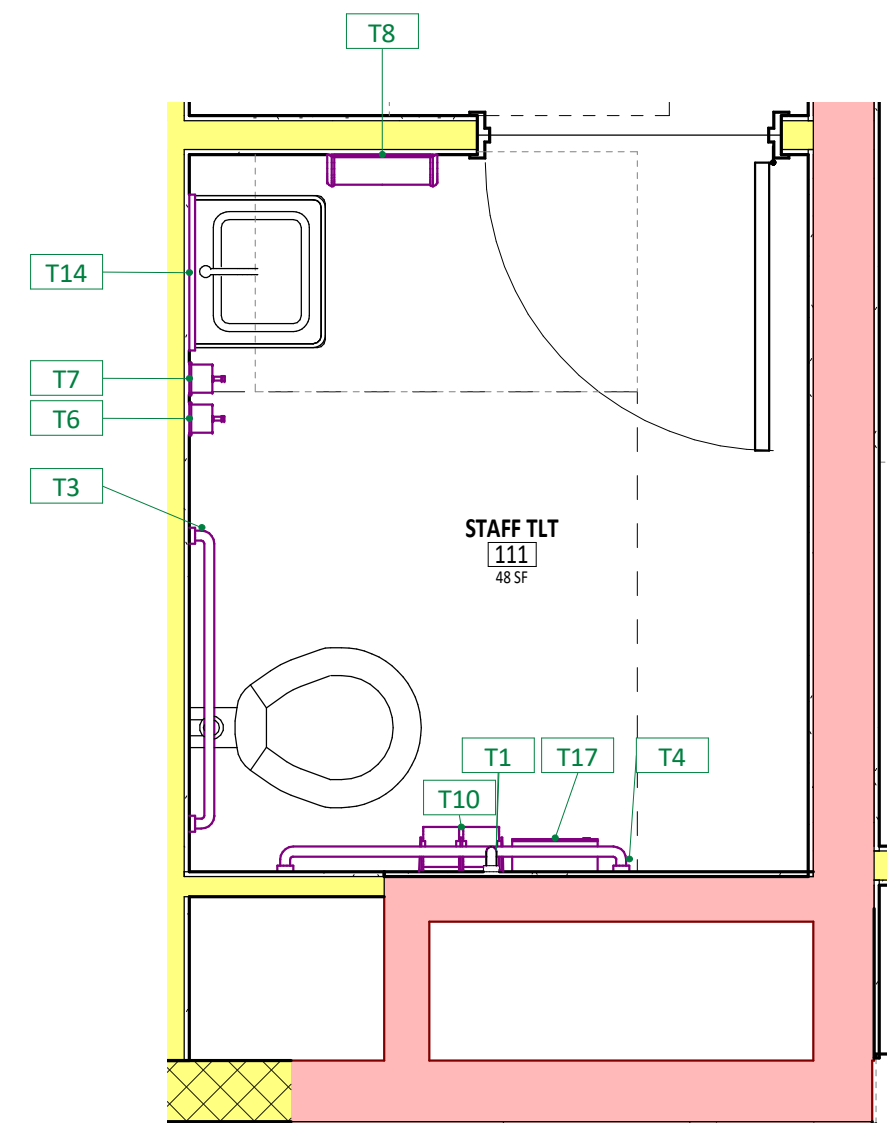
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103	TRIAGE	T6	Hand Sanitizer Dispenser	1	O.C.
103	TRIAGE	T7	Soap Dispenser	1	O.C.
103	TRIAGE	T9	Paper Towel Dispenser, surface-mounted.	1	O.C.
104	EXAM 1	T6	Hand Sanitizer Dispenser	1	O.C.
104	EXAM 1	T7	Soap Dispenser	1	O.C.
104	EXAM 1	T9	Paper Towel Dispenser, surface-mounted.	1	O.C.
105	EXAM 2	T6	Hand Sanitizer Dispenser	1	O.C.
105	EXAM 2	T7	Soap Dispenser	1	O.C.
105	EXAM 2	T9	Paper Towel Dispenser, surface-mounted.	1	O.C.
106	EXAM 3	T6	Hand Sanitizer Dispenser	1	O.C.
106	EXAM 3	T7	Soap Dispenser	1	O.C.
106	EXAM 3	T9	Paper Towel Dispenser, surface-mounted.	1	O.C.
107	EXAM 4	T6	Hand Sanitizer Dispenser	1	O.C.
107	EXAM 4	T7	Soap Dispenser	1	O.C.
107	EXAM 4	T9	Paper Towel Dispenser, surface-mounted.	1	O.C.
111	STAFF TL1	T1	18" Grab Bar (Vertical)	1	C.C.
111	STAFF TL1	T3	36" Grab Bar	1	C.C.
111	STAFF TL1	T4	42" Grab Bar	1	C.C.
111	STAFF TL1	T6	Hand Sanitizer Dispenser	1	O.C.
111	STAFF TL1	T7	Soap Dispenser	1	O.C.
111	STAFF TL1	T8	ADA Surface Mounted Automatic Hand Dryer	1	O.C.
111	STAFF TL1	T10	Toilet Paper Dispenser.	1	O.C.
111	STAFF TL1	T14	18" x 36" Mirror.	1	C.C.
111	STAFF TL1	T17	Surface Mounted Sanitary Napkin Disposal	1	O.C.
114	PHARMACY	T6	Hand Sanitizer Dispenser	1	O.C.
114	PHARMACY	T7	Soap Dispenser	1	O.C.
114	PHARMACY	T9	Paper Towel Dispenser, surface-mounted.	1	O.C.
115	BREAKROOM	T6	Hand Sanitizer Dispenser	1	O.C.
115	BREAKROOM	T7	Soap Dispenser	1	O.C.
115	BREAKROOM	T9	Paper Towel Dispenser, surface-mounted.	1	O.C.
120	LAB	T6	Hand Sanitizer Dispenser	1	O.C.
120	LAB	T7	Soap Dispenser	1	O.C.
120	LAB	T8	ADA Surface Mounted Automatic Hand Dryer	1	O.C.
120	LAB	T30	Specimen Pass-Thru Cabinet	1	C.C.
120A	LAB	T6	Hand Sanitizer Dispenser	1	O.C.
120A	LAB	T7	Soap Dispenser	1	O.C.
120A	LAB	T9	Paper Towel Dispenser, surface-mounted.	1	O.C.
121	TLT	T1	18" Grab Bar (Vertical)	1	C.C.
121	TLT	T3	36" Grab Bar	1	C.C.
121	TLT	T4	42" Grab Bar	1	C.C.
121	TLT	T6	Hand Sanitizer Dispenser	1	O.C.
121	TLT	T7	Soap Dispenser	1	O.C.
121	TLT	T8	ADA Surface Mounted Automatic Hand Dryer	1	O.C.
121	TLT	T10	Toilet Paper Dispenser.	1	O.C.
121	TLT	T14	18" x 36" Mirror.	1	C.C.
121	TLT	T17	Surface Mounted Sanitary Napkin Disposal	1	O.C.
202	UNISEX FAMILY RESTROOM	T1	18" Grab Bar (Vertical)	1	C.C.
202	UNISEX FAMILY RESTROOM	T3	36" Grab Bar	1	C.C.
202	UNISEX FAMILY RESTROOM	T4	42" Grab Bar	1	C.C.
202	UNISEX FAMILY RESTROOM	T6	Hand Sanitizer Dispenser	1	O.C.
202	UNISEX FAMILY RESTROOM	T7	Soap Dispenser	1	O.C.
202	UNISEX FAMILY RESTROOM	T8	ADA Surface Mounted Automatic Hand Dryer	4	O.C.
202	UNISEX FAMILY RESTROOM	T10	Toilet Paper Dispenser.	1	O.C.
202	UNISEX FAMILY RESTROOM	T15	24" x 36" Mirror.	1	C.C.
202	UNISEX FAMILY RESTROOM	T17	Surface Mounted Sanitary Napkin Disposal	1	O.C.
250	WOMENS RESTROOM	T1	18" Grab Bar (Vertical)	1	C.C.
250	WOMENS RESTROOM	T3	36" Grab Bar	1	C.C.
250	WOMENS RESTROOM	T4	42" Grab Bar	1	C.C.
250	WOMENS RESTROOM	T6	Hand Sanitizer Dispenser	2	O.C.
250	WOMENS RESTROOM	T7	Soap Dispenser	2	O.C.
250	WOMENS RESTROOM	T8	ADA Surface Mounted Automatic Hand Dryer	2	O.C.
250	WOMENS RESTROOM	T10	Toilet Paper Dispenser.	3	O.C.
250	WOMENS RESTROOM	T14	18" x 36" Mirror.	3	C.C.
250	WOMENS RESTROOM	T17	Surface Mounted Sanitary Napkin Disposal	3	O.C.
251	MENS RESTROOM	T1	18" Grab Bar (Vertical)	1	C.C.
251	MENS RESTROOM	T3	36" Grab Bar	1	C.C.
251	MENS RESTROOM	T4	42" Grab Bar	1	C.C.
251	MENS RESTROOM	T6	Hand Sanitizer Dispenser	2	O.C.
251	MENS RESTROOM	T7	Soap Dispenser	2	O.C.
251	MENS RESTROOM	T8	ADA Surface Mounted Automatic Hand Dryer	2	O.C.
251	MENS RESTROOM	T10	Toilet Paper Dispenser.	1	O.C.
251	MENS RESTROOM	T14	18" x 36" Mirror.	3	C.C.



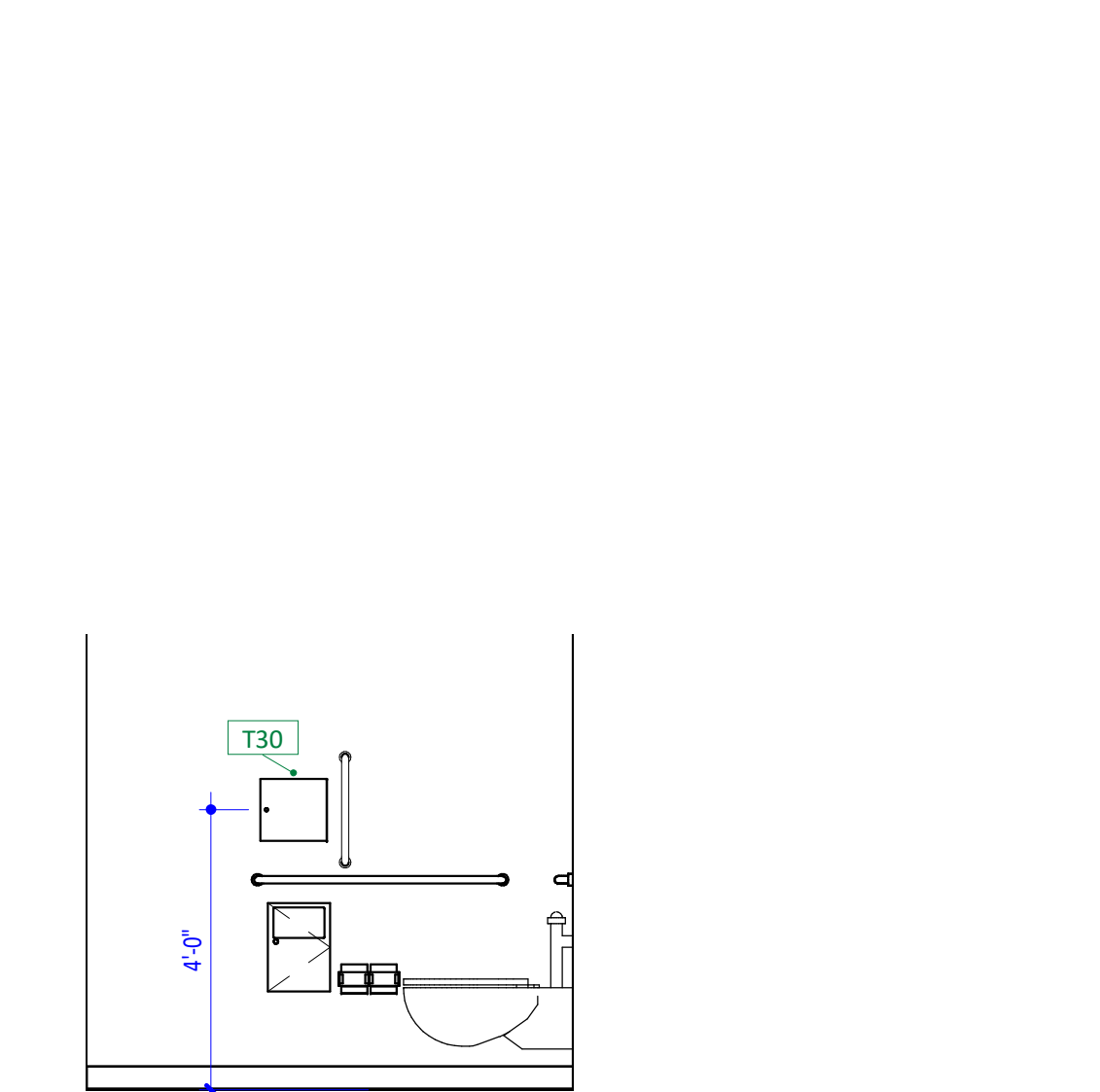
1 | First Floor Plan - Equipment Plan - Phase 1
A7-2 | 3/16" = 1'-0"



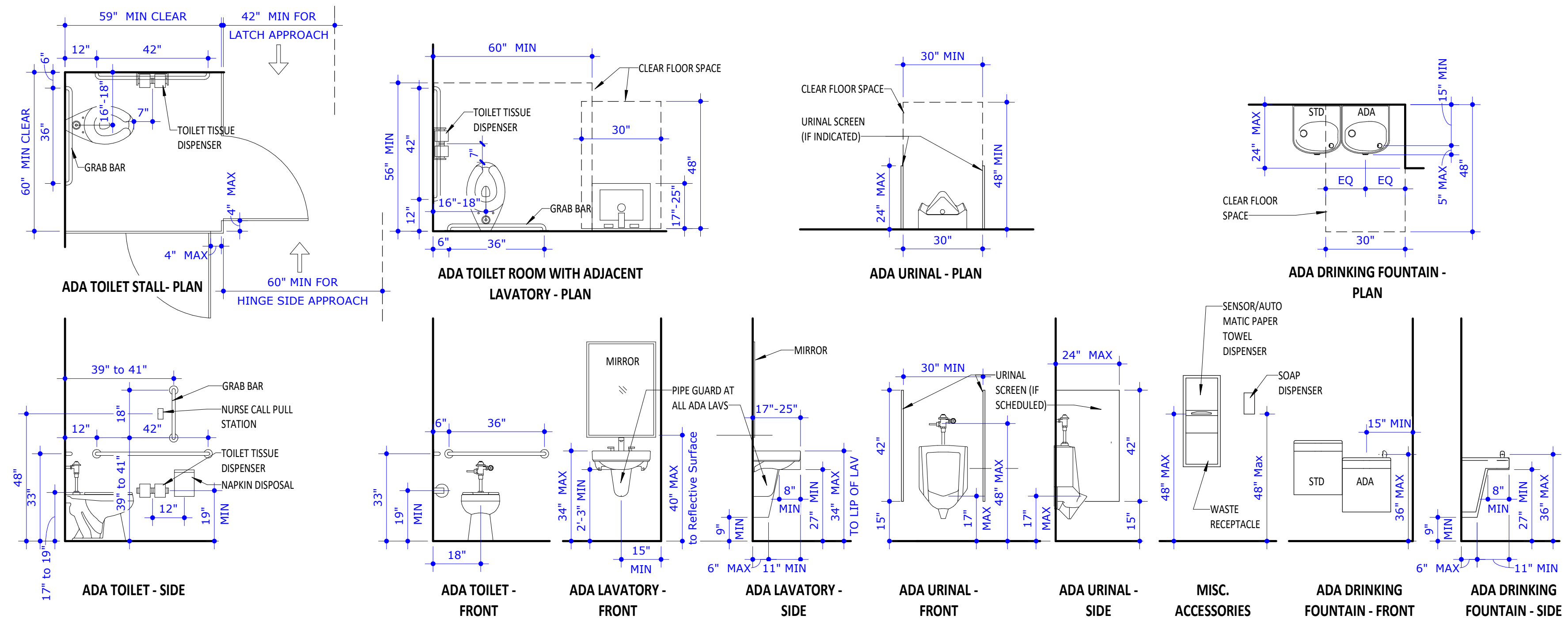
2 | Phase 1.1 Patient Toilet Callout
A7-2 | 1/2" = 1'-0"



3 | Phase 1.1 Staff Toilet Callout
A7-2 | 1/2" = 1'-0"



4 | Patient Toilet Elevation - Passthr Location
A7-2 | 3/8" = 1'-0"



LEGEND - ADA ACCESSIBLE FIXTURES
3/8" = 1'-0"

SPECIALTY EQUIPMENT SCHEDULE					
CATEGORY	TYPE MARK	DESCRIPTION	COUNT	O.C./C.C./O.O.	
FURNITURE	F6	GUEST CHAIRS	16	O.O.	
GENERAL EQUIPMENT	E201	MICROWAVE, ABOVE RANGE	1	O.C.	
GENERAL EQUIPMENT	E201	DUAL COOKTOP	1	C.C.	
GENERAL EQUIPMENT	E202	COFFEE POT	1	C.C.	
GENERAL EQUIPMENT	E203	Refrigerator, Domestic, w/Freezer, Side-by-Side	1	O.C.	
GENERAL EQUIPMENT	E205	PRINTER / COPPER / FAX	1	O.O.	
GENERAL EQUIPMENT	G107	SECURITY GATE AT PHARMACY WINDOW	1	C.C.	
GENERAL EQUIPMENT	TV02	42" FLAT SCREEN TV	1	O.C.	
MEDICAL EQUIPMENT	M101	LAB REFRIGERATOR	2	O.C.	
MEDICAL EQUIPMENT	M102	LAB HALF SIZE REFRIGERATOR	1	O.C.	
MEDICAL EQUIPMENT	M103	OTOSCOPE	4	O.C.	
MEDICAL EQUIPMENT	M104	FLOOR SCALE	1	O.O.	

FIXTURE AND ACCESSORY MOUNTING NOTES:

- Install accessories at mounting heights indicated UNDO.
- Provide partition blocking for wall-mounted items, such as grab bars. (See Partition Blocking detail.)
- Provide indicated clear floor space for all fixtures and accessories.
- Where accessories are indicated to be installed on or within toilet partitions, coordinate required fastening reinforcements, cutouts, and other required accommodations with the fabrication and installation of the toilet partition system.
- Provide/Install flush valve controls that are accessible from interior of room UNDO.

GENERAL MECHANICAL SYMBOLS	
	REVISION NUMBER - SHOWN ON PLANS
	POINT WHERE NEW CONNECTS TO EXISTING
	NUMBER OF DETAIL ON SHEET
	NUMBER OF SHEET WHERE DETAIL APPEARS
	KEYNOTE
	CONTINUATION SYMBOL
	ROOM NAME AND NUMBER
	ITEM TO BE DEMOLISHED
	AREA NOT IN CONTRACT
	PIPE SIZE TAG (DIAMETER)
	ABOVE GROUND PIPING
	PIPE SLOPE TAG
	BELOW GROUND PIPING
	PIPE INVERT ELEVATION TAG
	EXISTING PIPE TAG
	PIPING BEING DEMOLISHED

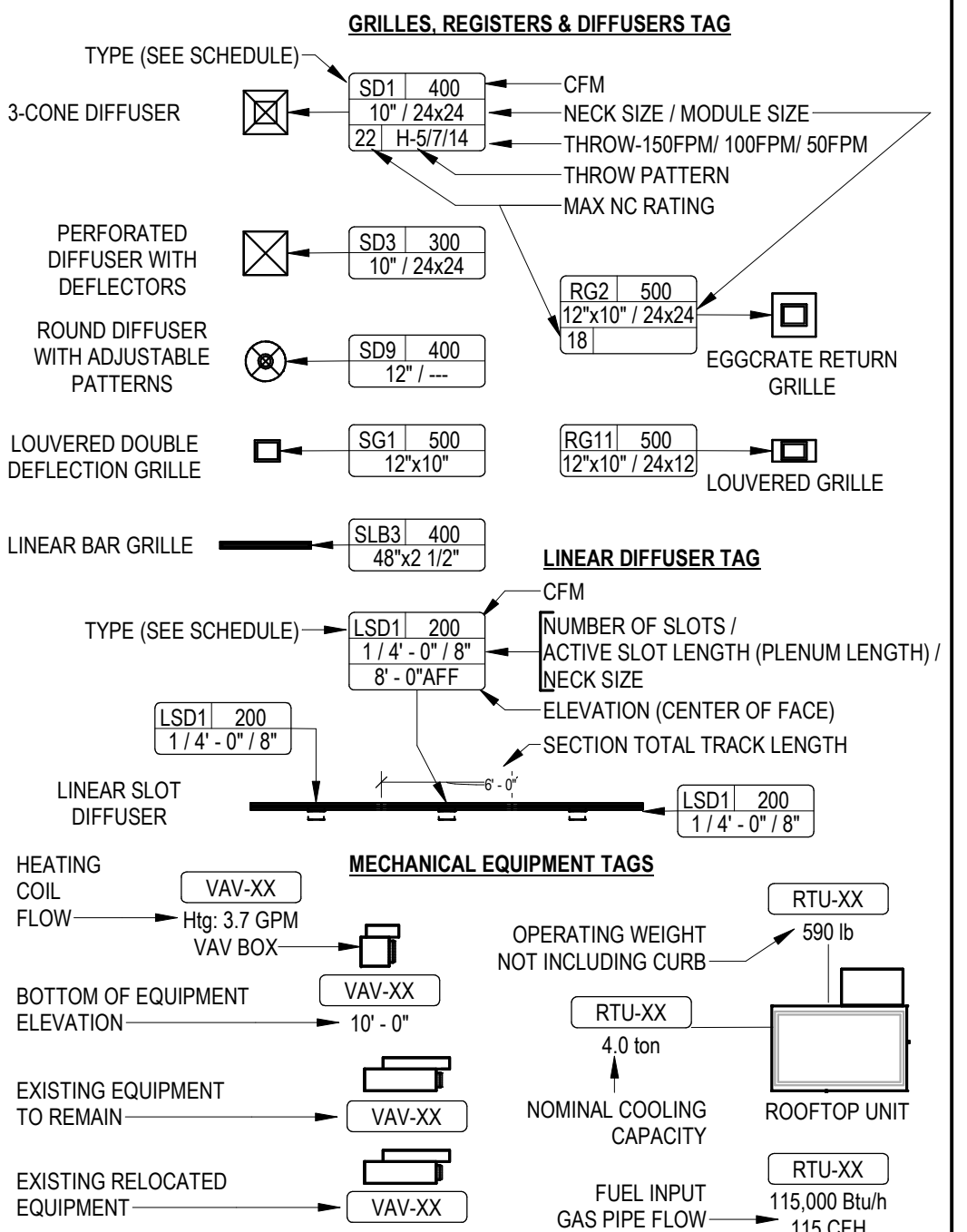
ABBREVIATIONS			
Ø	ROUND	LVR	LOUVER
ABV	ABOVE	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	M/A	MIXED AIR
AD	AREA DRAIN	MAX	MAXIMUM
ADD	ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AF	ABOVE FINISHED FLOOR	MCF	ONE THOUSAND CUBIC FEET
AFF	ANNUAL FUEL UTILIZATION EFFICIENCY	MD	MOTORIZED DAMPER
ALT	ALTERNATE	MCH	MECHANICAL
AP	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
ARCH	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BLW	BELOW	MTR	MOTOR
BTU	BRITISH THERMAL UNITS	MUA	MAKE-UP AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	NC	NOISE CRITERIA
CAP	CAPACITY	NC	NORMALLY CLOSED
CB	CATCH BASIN	NC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NORMALLY
CLG	CEILING	NO	NORMALLY OPEN
CO	CLEAN OUT	NTS	NOT TO SCALE
CD	COLD WATER	O	OVERGAIN
DEG	DEGREE	O/A	OUTSIDE AIR
DB	DRY BULB	ORD	OVERFLOW ROOF DRAIN
DN	DOWN	PD	PRESSURE DROP
DN	DISTILLED WATER	PI	POST INDICATOR VALVE
EA	EACH	PLBG	PLUMBING
ELEC	ELECTRICAL	PRSS	PRESSURE
ELEC	ELECTRIC WATER COOLER	PRV	PRESSURE REDUCING VALVE
EWT	ENTERING WATER TEMPERATURE	PSI	POUNDS PER SQUARE INCH
EIA	EXHAUST AIR	PSIG	POUNDS PER SQUARE INCH GAUGE
EXIST	EXISTING	RAD	RADIANT CEILING PANEL
F	DEGREES FAHRENHEIT	RD	ROOF DRAIN
FOC	FLOOR CLEAN OUT	REC	RECESSED
FO	FLOOR	RED	REDUCER
FDC	FIRE DEPARTMENT CONNECTION	RH	RELATIVE HUMIDITY
FL	FLOOR	RJA	RELIEF AIR ROOM
FO	FUEL OIL	RPM	REVOLUTIONS PER MINUTE
FOV	FUEL OIL VENT	RW	RAIN WATER
FOR	FUEL OIL RETURN	SF	SQUARE FOOT
FOS	FUEL OIL SUPPLY	SIA	SUPPLY AIR
FS	FEET PER MINUTE	SN	SANITARY
FT	FOOT/FEET	SF	SQUARE FOOT
FTR	FIN TUBE RADIATION	SD	SMOKE DAMPER
GAL	GALLON	SM	SURFACE MOUNT
GF	GAS-FIRED	SP	STANDPIPE
GC	GENERAL CONTRACTOR	SP	STATIC PRESSURE
GPM	GALLONS PER MINUTE	STM	STEAM
GW	GREASE WASTE	T	THERMOSTAT
HB	HOSE BIB	TD	TEMPERATURE DROP
HP	HORSE POWER	TDR	TRENCH DRAIN
HTG	HEATING	TEMP	TEMPERATURE
HTR	HEATER	TYP	TYPICAL
HW	HOT WATER	UG	UNDERGROUND
HD	HYDRANT	VAC	VACUUM
ID	INDIRECT	V	VENT
IN	INCH	VAV	VARIABLE AIR VOLUME
IN	INVERT	VENT	VENTILATION
IN	INVERT	VTR	VENT THROUGH ROOF
LB	POUND	W	WASTE
LBHR	POUNDS PER HOUR	WB	WET BULB
LAT	LEAVING AIR TEMPERATURE	WCO	WALL CLEAN OUT
LP	LOW PRESSURE	WH	WALL HYDRANT
LPG	LIQUEFIED PETROLEUM GAS		

EQUIPMENT ABBREVIATIONS			
AC	AIR CONDITIONING UNIT	ET	EXPANSION TANK
ACCU	AIR COOLING CONDENSING UNIT	EVH	ELECTRIC WATER HEATER
AHU	AIR HANDLING UNIT	FCU	FAN COIL UNIT
AS	AIR SEPARATOR	FP	FIRE PUMP
B	BOILER	GI	GREASE INTERCEPTOR
CH	CHILLER	GRV	GRAVITY ROOF VENTILATOR
CT	COOLING TOWER	HWP	HEATING WATER PUMP
CUH	CABINET UNIT HEATER	HRU	HEAT RECOVERY UNIT
CHWP	CHILLED WATER PUMP	HRV	POWER ROOF VENTILATOR
DSP	DOMESTIC WATER BOOSTER PUMP	RE	RETURN/EXHAUST FAN
DC	DUCT MOUNTED COIL	RTU	ROOFTOP UNIT
DOP	DOMESTIC WATER CIRCULATING PUMP	SP	SUMP PUMP
EF	EXHAUST FAN	UH	UNIT HEATER
EDC	ELECTRIC DUCT COIL	WH	WATER HEATER

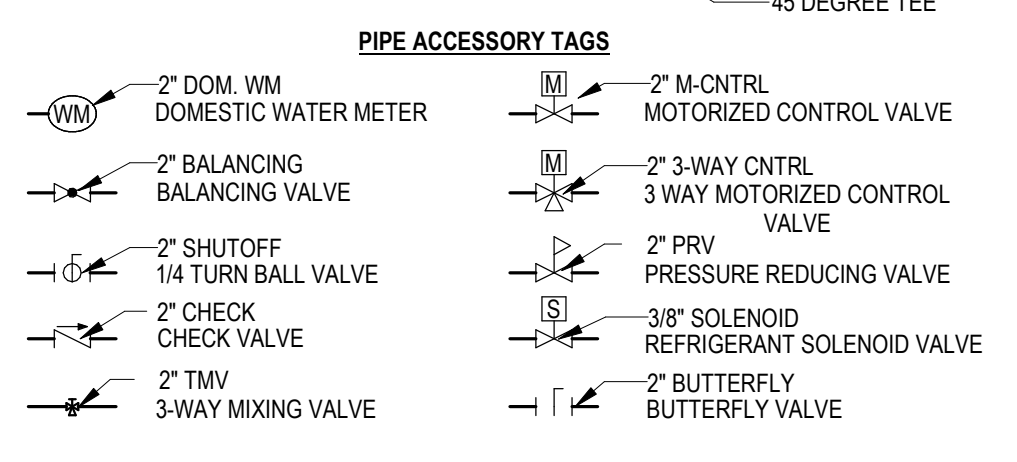
NOTE
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

HVAC SYMBOLS	
	SQUARE DUCT SIZE TAG (WIDTH x HEIGHT)
	OVAL DUCT SIZE TAG (WIDTH / HEIGHT)
	ROUND DUCT SIZE TAG (DIAMETER)
	EXISTING DUCT TAG
	DUCT BEING DEMOLISHED
	SUPPLY AIR
	CONDITIONED OUTSIDE AIR
	OUTSIDE AIR
	RETURN AIR
	TRANSFER AIR
	EXHAUST AIR
	RELIEF AIR
	GREASE EXHAUST AIR
	CONDENSATE EXHAUST AIR
	SMOKE EXHAUST AIR
	EXHAUST GAS FLUE
	COMBUSTION AIR

DROP		RECTANGULAR SUPPLY/OUTSIDE AIR DUCT RISE
DROP		ROUND SUPPLY/OUTSIDE AIR DUCT RISE
DROP		RECTANGULAR RETURN/TRANSFER AIR DUCT RISE
DROP		ROUND RETURN/TRANSFER AIR DUCT RISE
DROP		RECTANGULAR EXHAUST/RELIEF AIR DUCT RISE
DROP		ROUND EXHAUST/RELIEF AIR DUCT RISE



PIPING SYMBOLS	
	CHILLED WATER RETURN
	CHILLED WATER SUPPLY
	CONDENSATE DRAINAGE
	CONDENSER WATER RETURN
	CONDENSER WATER SUPPLY
	GEOTHERMAL WATER RETURN
	GEOTHERMAL WATER SUPPLY
	HEATING WATER RETURN
	HEATING WATER SUPPLY
	NATURAL GAS
	PROPANE GAS
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	REFRIGERANT HOT GAS
	STEAM
	CONDENSATE RETURN



PROJECT GENERAL NOTES

A LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATED ON THE DRAWING, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD.

B CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS AS REQUIRED.

C PRIOR TO STARTING WORK, SUBMIT SHOP DRAWINGS FOR ALL MECHANICAL, EQUIPMENT, PLUMBING FIXTURES, AND DIFFUSERS.

D PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP AND MATERIALS AFTER THE DATE OF FINAL ACCEPTANCE.

E COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, AND EQUIPMENT TO PREVENT CONFLICTS.

F CONTRACTOR SHALL BE A COMPLETE AND FUNCTIONING SYSTEM AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE.

G INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.

H PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING SHALL BE AN APPROVED MATERIAL AS PRESCRIBED IN CSFM STANDARD 43-1 AND SHALL BE U.L. LISTED.

J ADJUST PIPING AND DUCTWORK SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT.

K FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.

L INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.

M PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.

N LOCATE DUCTWORK, PIPING AND MECHANICAL EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT.

O MAINTAIN CLEAR ACCESS TO SERVICE EQUIPMENT AND OTHER ACCESSORIES REQUIRING SERVICE, VISUAL INSPECTION OR HAND OPERATION, WHERE INDICATED OR REQUIRED, PROVIDE ACCESS PANELS OF THE TYPE SELECTED TO SUIT MATERIALS IN WHICH INSTALLED.

P ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.

Q REMOVE ALL UNUSED PIPING, DUCTWORK AND ACCESSORIES.

R THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING, PRIOR TO FINAL BID, ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN TENANT SPACE AND WITHIN CLOSE PROXIMITY OF TENANT SPACE.

S THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR ON THE EXISTING EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE THE FILTERS AND BELTS, INSPECT, REPAIR, OR REPLACE THE ECONOMIZERS, DRIVES AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS. PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE LANDLORD'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION.

T WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.

U THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AS WELL AS THOSE WHICH CAN BE REASONABLY ANTICIPATED INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.

V LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.

W REFER TO HVAC SERIES DRAWINGS FOR GAS AND A.C. CONDENSATE DRAIN PIPING.

X ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT EDITION OF ALL APPLICABLE CODES AND LOCAL CODES AS APPLIED BY THE AUTHORITY HAVING JURISDICTION.

Y THE CONTRACTOR'S WORK SCHEDULE SHALL BE SUBMITTED TO AND APPROVED BY THE OWNER.

HVAC GENERAL NOTES

A PROVIDE ALL MATERIALS AND LABOR FOR COMPLETE AND PROPERLY FUNCTIONING MECHANICAL SYSTEMS. WARRANTY ALL WORK AND ALL MATERIALS, EQUIPMENT AND DEVICES FOR A PERIOD OF ONE YEAR AFTER OWNERS ACCEPTANCE.

B WORK SHALL CONFORM TO OR MEET THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE INTERNATIONAL MECHANICAL CODE, SMACNA, ASHRAE AND ALL FEDERAL, STATE AND LOCAL CODES AND ORDINANCES WHICH APPLY TO THIS WORK.

C DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO BE SCALED FOR DIMENSIONS.

D ALL MATERIALS, EQUIPMENT AND DEVICES SHALL MEET THE REQUIREMENTS OF UL WHERE UL STANDARDS ARE ESTABLISHED FOR THOSE ITEMS. ALL ITEMS SHALL BE CLASSIFIED BY UL AS SUITABLE FOR THE PURPOSES.

E COORDINATE LOCATION OF MECHANICAL WORK WITH OTHER TRADES TO AVOID CONFLICTS AND INTERFERENCES. PROVIDE OWNER TRAINING ON SYSTEM OPERATION.

F INSTALL ALL EQUIPMENT AND MATERIAL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN, PRINTED INSTRUCTIONS AND RECOMMENDATIONS.

G PROVIDE OWNER WITH CERTIFICATES OF FINAL INSPECTION AND ACCEPTANCE FROM AUTHORITY HAVING JURISDICTION.

H MAKE CONNECTIONS FROM MECHANICAL EQUIPMENT TO DUCTWORK USING FLEXIBLE DUCT CONNECTIONS.

I DUCT SIZES INDICATED ARE NET FREE INSIDE DIMENSIONS OF RECTANGULAR METAL DUCT. AT CONTRACTOR'S OPTION, EQUIVALENT SIZE ROUND DUCT MAY BE USED.

J PROVIDE FLOAT SWITCH IN ALL SECONDARY PANS TO SHUT OFF UNITS WHEN DRAINS BECOME OBSTRUCTED.

K CONTRACTOR SHALL FURNISH AND INSTALL ALL MANUAL DAMPERS NEEDED FOR AN OPERATIONAL SYSTEM. ALL DAMPERS SHALL BE OFFSET, LOCKING, QUADRANT TYPE DAMPERS.

L WHERE PIPES PENETRATE FIRE RATED WALLS, FLOORS OR CEILING, SEAL OPENING AROUND PIPES WITH UL LISTED FIRE STOPPING MATERIAL TO MAINTAIN THE FIRE RATINGS OF THE WALL, FLOOR OR CEILING IN ACCORDANCE WITH UL LISTED DESIGN FOR 1 HOUR PENETRATIONS. SUBMIT UL DESIGN FOR FIRE RATED PENETRATIONS SEALS TO ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO START OF WORK.

M MECHANICAL CONTRACTOR TO PROVIDE AND INSTALL AN AIR FILTER PER MANUFACTURER'S INSTRUCTIONS PRIOR TO SYSTEM OPERATION. PROVIDE 3 SETS OF REPLACEMENT FILTERS FOR EACH AIR HANDLER. TOOLS SHALL NOT BE REQUIRED TO REPLACE ANY FILTER.

N ALL SUPPLY, RETURN AND EXHAUST DUCTWORK SHALL BE SINGLE WALL GALVANIZED STEEL. ALL JOINTS AND SEAMS SHALL BE CLEAN, COATED AND SEALED WITH MASTIC OR MASTIC TAPE PRIOR TO APPLYING THE EXTERNAL INSULATION.

O UNLESS INDICATED AS A RADIUS ELBOW, ALL DUCT ELBOWS AND TEES SHALL HAVE TURNING VANES.

P ALL ROOF PENETRATIONS SHALL BE COORDINATED WITH ROOFING CONTRACTOR TO ENSURE ROOF BOND WILL BE MAINTAINED.

Q ALL INDOOR CONDENSATE AND REFRIGERANT PIPING SHALL BE INSULATED WITH 1.5" ELASTOMERIC INSULATION. ALL REFRIGERANT PIPING EXPOSED TO OUTDOORS SHALL BE INSULATED WITH 1.5" ELASTOMERIC FOAM INSULATION WITH MINIMUM 0.15" ALUMINUM JACKET AND ALL JOINTS SHALL BE TAPED WITH ALUMINUM TAPE AROUND FULL CIRCUMFERENCE. EQUIVALENT MATERIALS APPROVED.

R PROVIDE ALL OPERATION AND MAINTENANCE MANUALS FOR MECHANICAL EQUIPMENT TO BUILDING OWNER.

S ALL RECTANGULAR SUPPLY AND RETURN DUCTWORK SHALL BE INSULATED TO A MINIMUM OF R-8. DUCT INSULATION SHALL BE EQUIVALENT TO OWENS CORNING SOFTDR WRAP FRK.

T CONDENSATE DRAINS SHALL BE SUPPLIED FOR ALL COOLING EQUIPMENT. CONTRACTOR SHALL ENSURE PROPER INSTALLATION AND DRAINAGE AS REQUIRED BY FEDERAL, STATE, AND LOCAL CODES. CONDENSATE PIPING SHALL BE SCHEDULE 40 CPVC.

U PROVIDE LABELS FOR ABOVE GROUND PIPING. LABELS SHALL BE SELF ADHESIVE AND COMPLY WITH ANSISAME 13.1. PIPE WITH OUTSIDE DIAMETER 3/4" TO 1-1/4" SHALL HAVE MINIMUM TEXT HEIGHT OF 1/2" PIPE WITH OUTSIDE DIAMETER 1-1/2" TO 2" SHALL HAVE MINIMUM TEXT HEIGHT OF 3/4". PIPE WITH OUTSIDE DIAMETER GREATER THAN 2" SHALL HAVE TEXT HEIGHT OF 1-1/4". DOMESTIC COLD WATER, CONDENSATE AND LOW PRESSURE STEAM SHALL BE GREEN LABELS WITH WHITE LETTERING. NATURAL GAS SHALL BE YELLOW LABELS WITH BLACK LETTERING. ALL DOMESTIC WATER AND GAS PIPING LABELS SHALL INCLUDE FLOW DIRECTION ARROWS. PIPING SHALL BE LABELED AS INDICATED IN THE ABBREVIATIONS SCHEDULE. ATTACH LABELS TO PIPE EVERY 10 FEET.

V MECHANICAL CONTRACTOR SHALL VERIFY DUCT PLUS INSULATION HAS ADEQUATE SPACE FOR SPECIFIED CEILING HEIGHT ON ARCHITECTURAL PLANS PLUS DECONFLICT FIRE SPRINKLERS, ELECTRICAL, LIGHTING SYSTEMS AND OTHER SYSTEMS LOCATED ABOVE THE CEILING PRIOR TO INSTALLING DUCT.

W UNLESS OTHERWISE INDICATED, RIGID DUCT SHALL HAVE A CONSTANT UPPER ELEVATION AND REMAIN ADJACENT TO THE STRUCTURE ABOVE. CHANGES IN DUCT HEIGHT SHALL BE MADE SUCH THAT THE BOTTOM ELEVATION OF THE DUCT IS MODIFIED.

X ALL EXPOSED ROUND AND OVAL SUPPLY DUCTWORK, SHALL BE DOUBLE WALL GALVANIZED STEEL WITH GASKETED JOINTS. THE DUCT SHALL HAVE AN INNER PERFORATED DUCT, A RETAINING LAYER, 1" THICK FLEXIBLE FIBERGLASS INSULATION LAYER AND A SOLID OUTER DUCT. PROVIDE LINDAB OR APPROVED EQUAL. ALL EXPOSED GALVANIZED DUCT SHALL BE PAINTABLE.

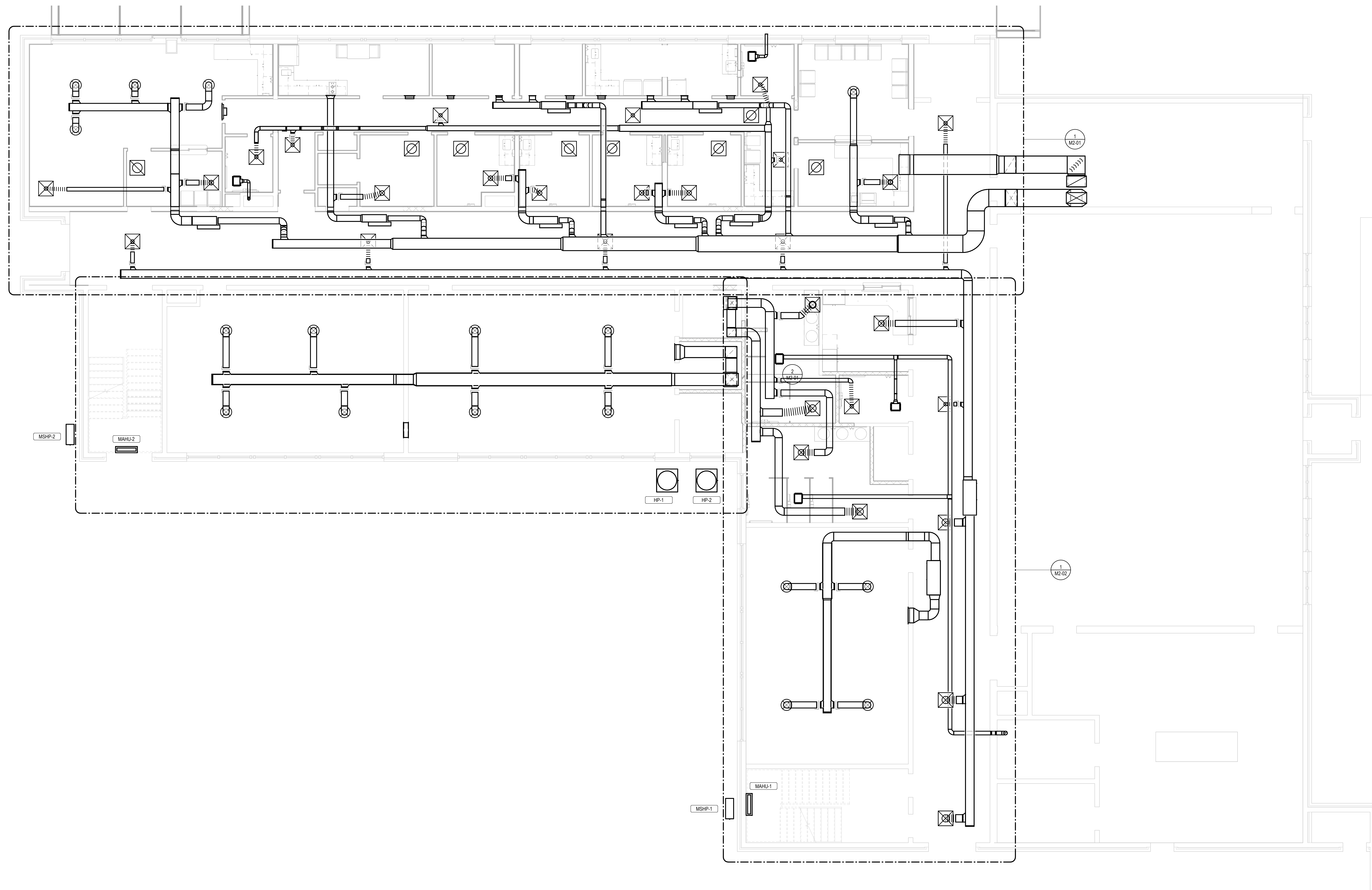
HVAC SHEET INDEX				
SHEET	DESCRIPTION	REV NO.	DESCRIPTION	DATE
M0-01	HVAC TITLE SHEET	A	IFR 95%	10/14/2021
M1-01	FIRST FLOOR PHASE 1 OVERALL MECHANICAL PLAN	A	IFR 95%	10/14/2021
M1-02	ROOF MECHANICAL PLAN	A	IFR 95%	10/14/2021
M2-01	FIRST FLOOR PHASE 1 ENLARGED MECHANICAL PLAN	A	IFR 95%	10/14/2021
M2-02	FIRST FLOOR PHASE 1 ENLARGED MECHANICAL PLAN	A	IFR 95%	10/14/2021
M5-01	MECHANICAL DETAILS	A	IFR 95%	10/14/2021
M6-01	MECHANICAL SCHEDULES	A	IFR 95%	10/14/2021



ARCHITECTS
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403B NORTH MAIN ST
HILLSVILLE, VA 24343

Set

If field is absent,
do NOT use the
drawing for
construction.



Renovations of
**Baywood
Technology &
Community Center**

Address

Address



1 FIRST FLOOR PHASE 1 OVERALL MECHANICAL PLAN
M1-01 3/16" = 1'-0"

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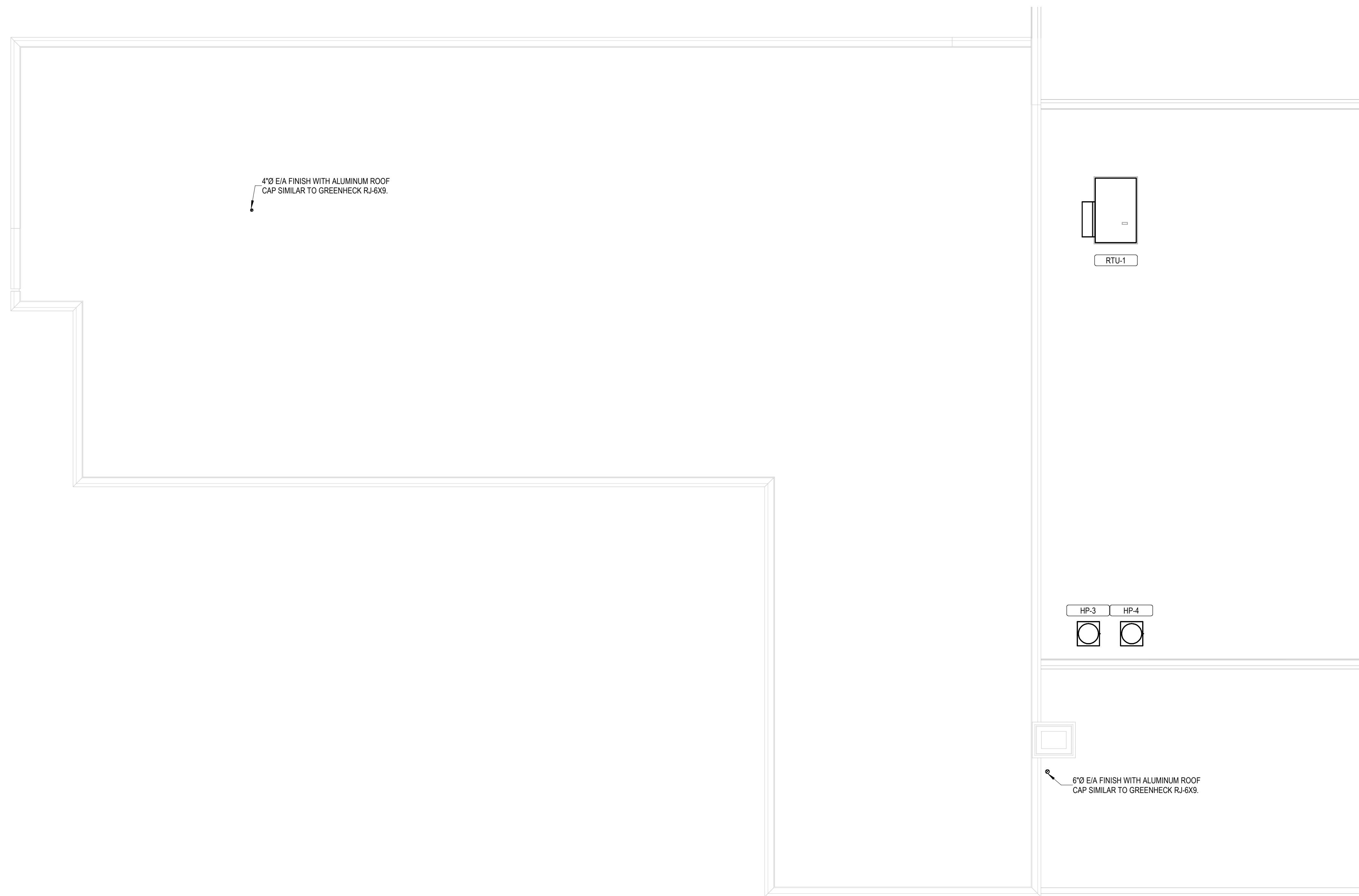
Project Status: 95% REVIEW

Revision No (if any): Revision Date: 10/14/2021

Project No: 210063 Current Date: 10/14/2021

Drawing Name: FIRST FLOOR PHASE 1 OVERALL MECHANICAL PLAN

Drawing No: M1-01



Renovations of
**Baywood
Technology &
Community Center**
Address
Address

1 ROOF MECHANICAL PLAN
M1-02 1/8" = 1'-0"



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Project Status: 95% REVIEW

Revision No (if any): Revision Date: 10/14/2021

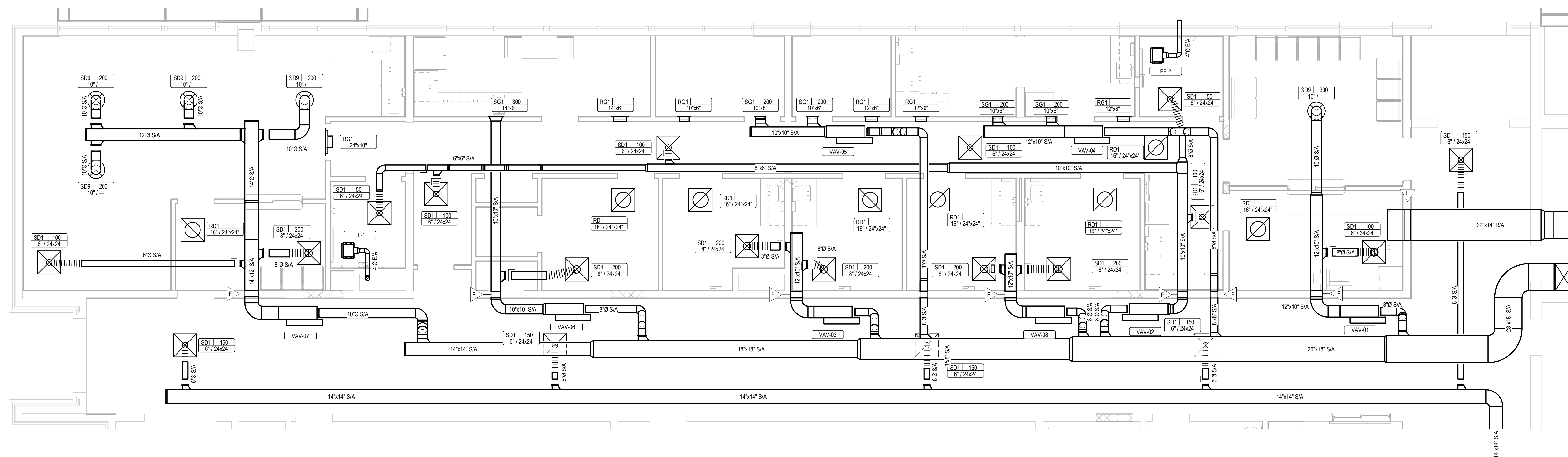
Project No: 210063 Current Date: 10/14/2021

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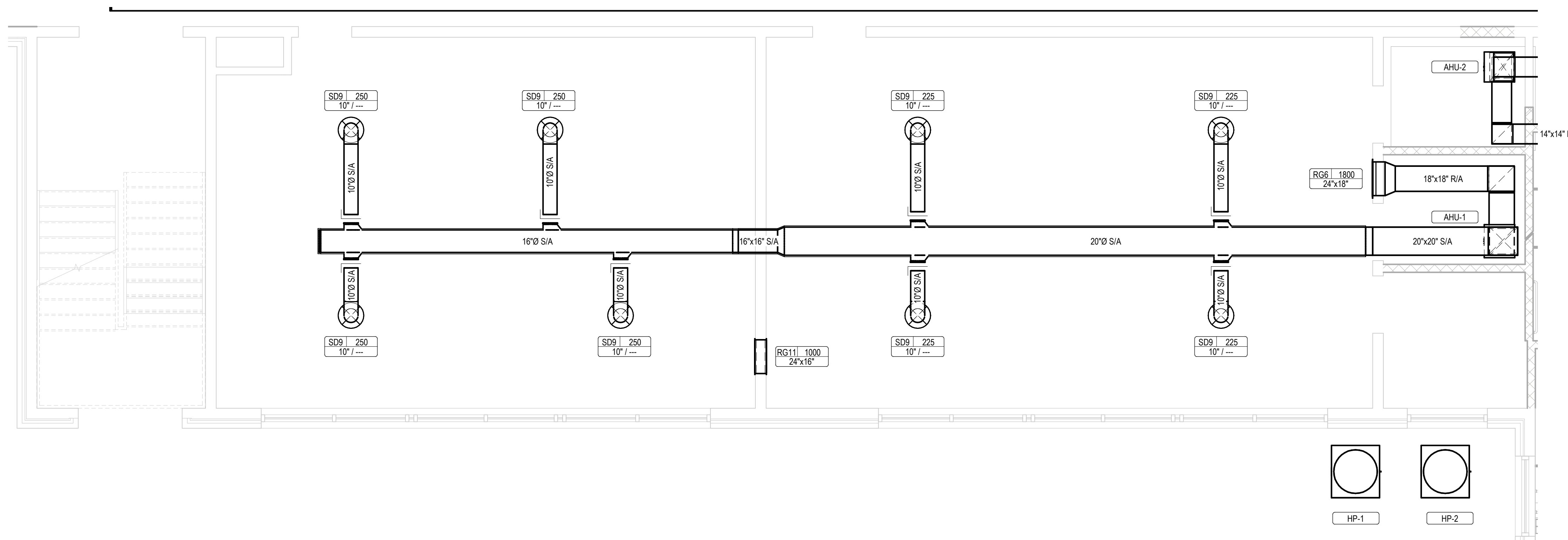


See:

If details absent,
do NOT use the
drawing for
construction.



1 FIRST FLOOR PHASE 1 ENLARGED MEDICAL AREA MECHANICAL PLAN
M2-01 1/4" = 1'-0"



2 FIRST FLOOR PHASE 1 ENLARGED MEDICAL AREA MECHANICAL PLAN
M2-01 1/4" = 1'-0"

Renovations of
**Baywood
Technology &
Community Center**

Address
Address



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Revision No (if any): Revision Date: 10/14/2021

Project No: 210063 Current Date: 10/14/2021

Drawing Name: FIRST FLOOR PHASE 1 ENLARGED MECHANICAL PLAN

Drawing No: M2-01

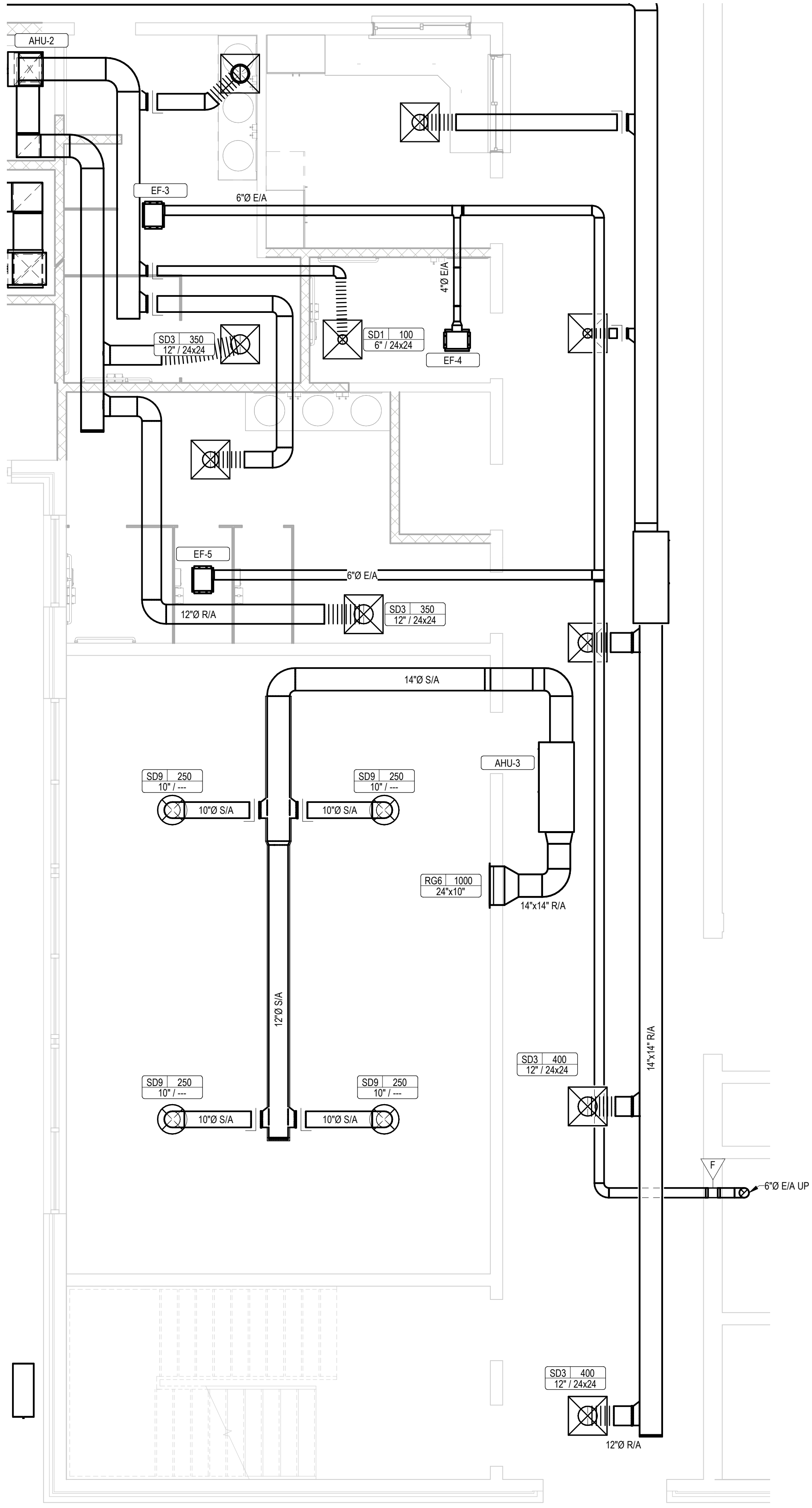


ARCHITECTS
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 HILLSVILLE, VA 24343

Seal

If Seal is absent,
 do NOT use the
 drawing for
 construction.

KEYNOTES



1 FIRST FLOOR PHASE 1 ENLARGED CLASSROOM AREA MECHANICAL PLAN
 M2-02 1/4" = 1'-0"

Renovations of
**Baywood
 Technology &
 Community Center**
 Address
 Address



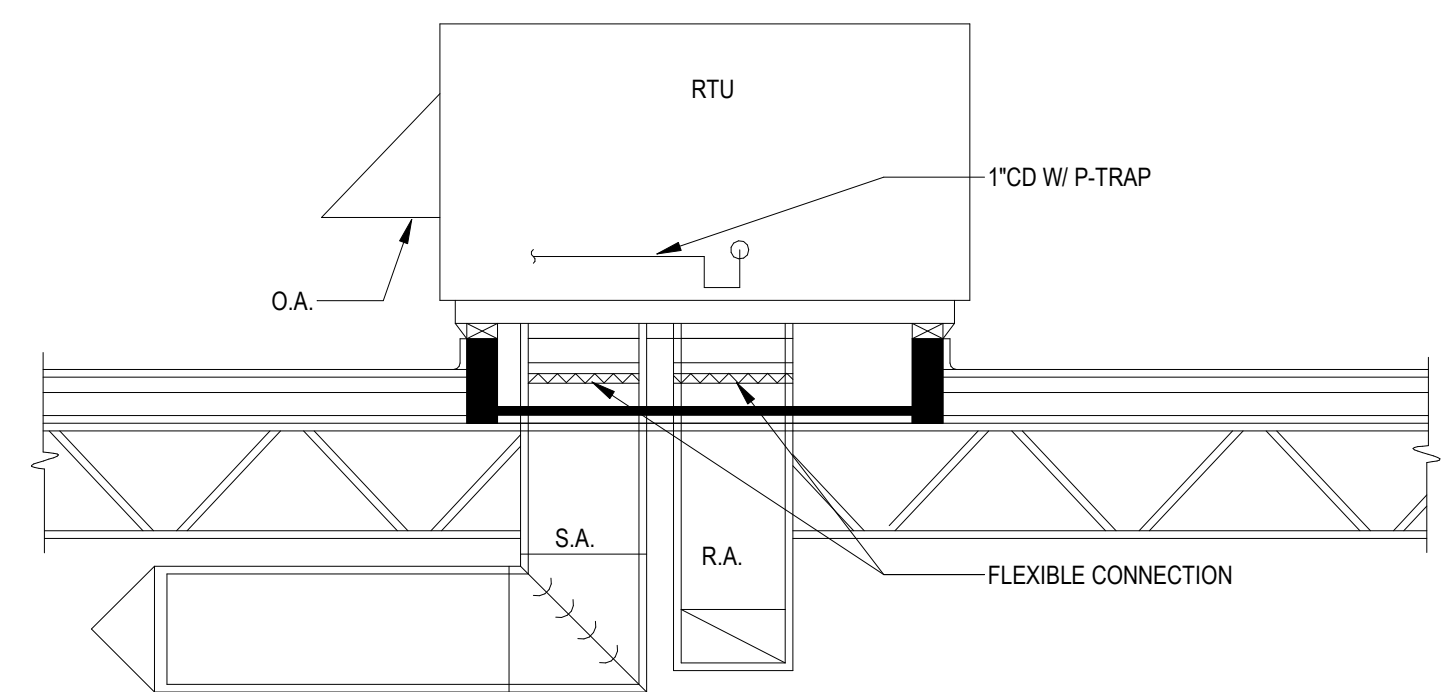
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Project Status:	95% REVIEW
Revision No (if any):	Revision Date:
	10/14/2021
Project No:	Current Date:
210063	10/14/2021

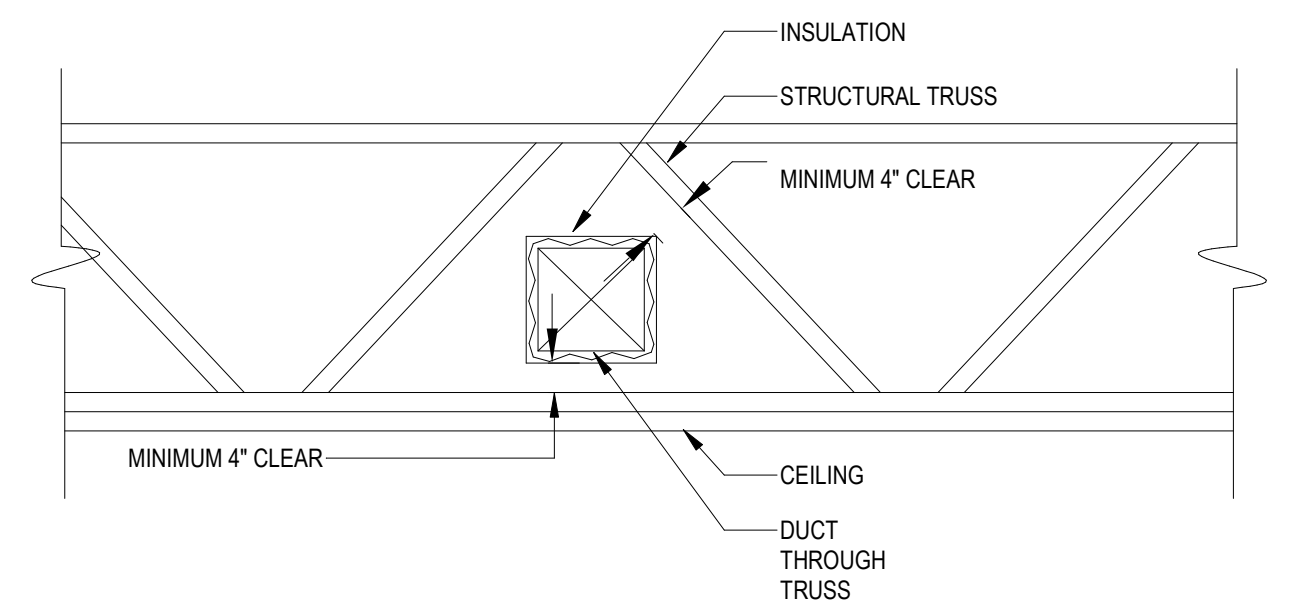
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**FIRST FLOOR PHASE 1
 ENLARGED MECHANICAL
 PLAN**

Drawing No:
M2-02



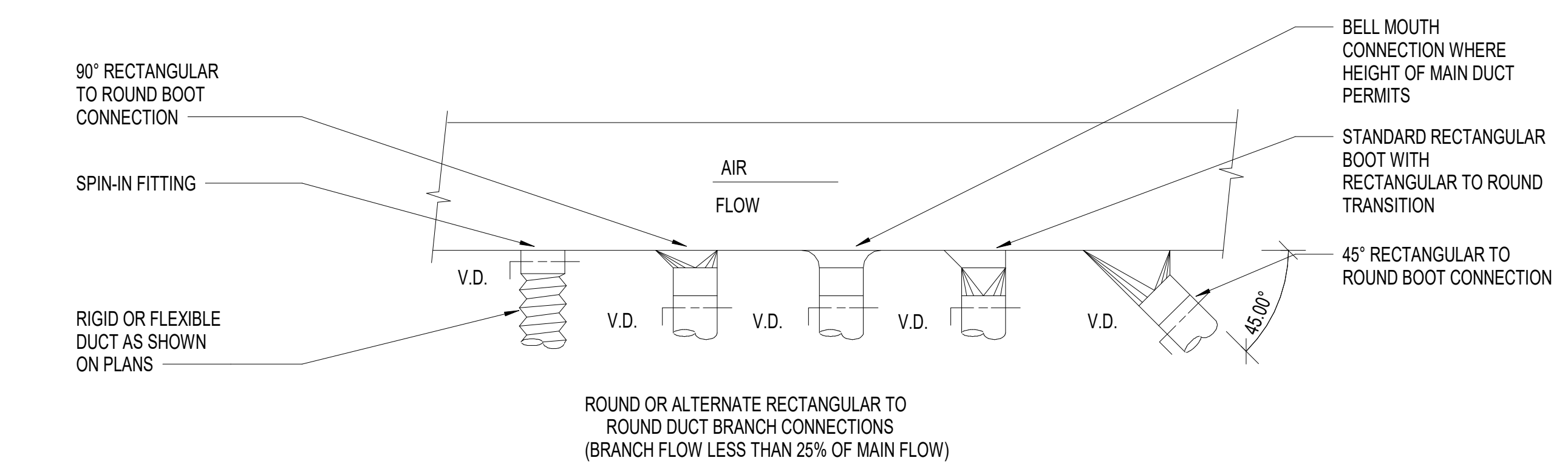
- NOTES:
1. PACK ROOF CURB WITH FIBERGLASS INSULATION FOR ACOUSTICAL BENEFITS.
 2. CONDENSATE TO DRAIN TO NEAREST ROOF DRAIN.
 3. FOLLOW ALL MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

1 DOWNFLOW RTU DETAIL
M5-01 NOT TO SCALE

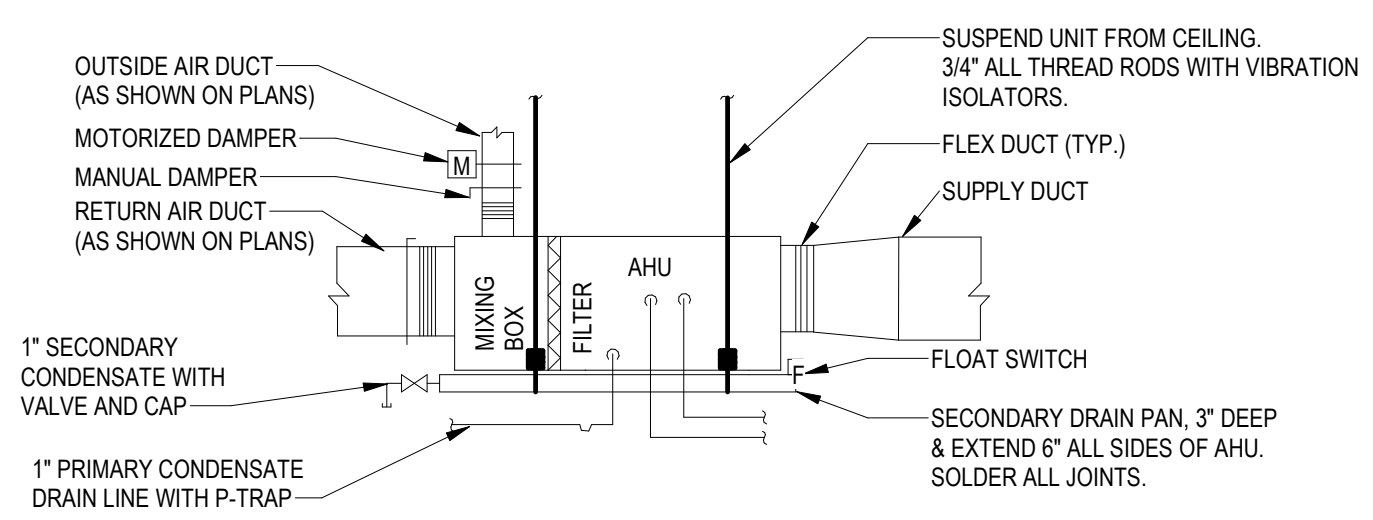


- NOTES:
1. SEE FLOOR PLANS FOR DUCT SIZES.
 2. INSULATION MINIMUM 4" CLEAR ON ALL SIDES AS DUCT PASSES THROUGH JOIST
 3. IF ASPECT RATIO MUST BE CHANGED TO MAINTAIN CLEARANCE, AREA OF INSIDE DUCT SHALL REMAIN THE SAME OR LARGER AS SHOWN ON THE FLOOR PLANS.

7 DUCT THROUGH TRUSS DETAIL
M5-01 NOT TO SCALE

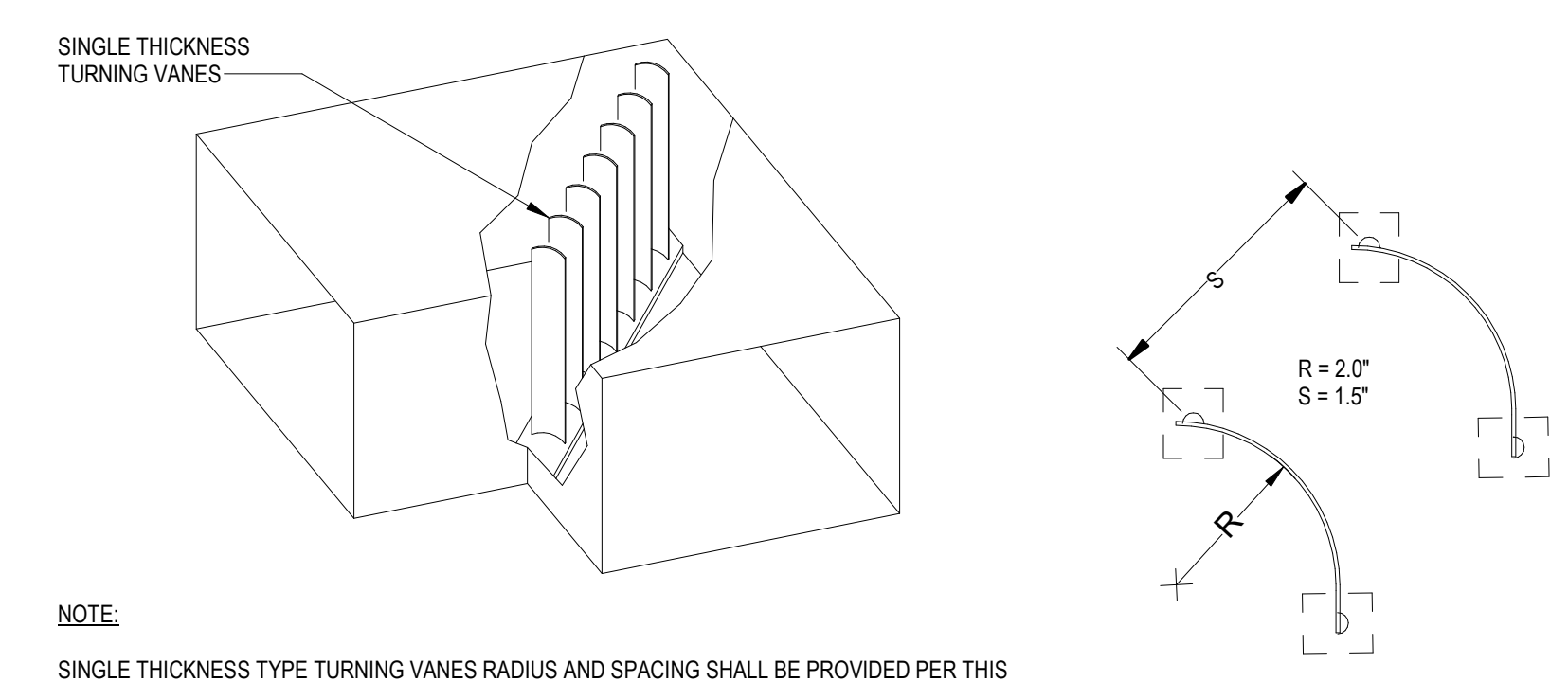


10 LOW VELOCITY DUCTWORK BRANCH TAKEOFF DETAIL
M5-01 NOT TO SCALE



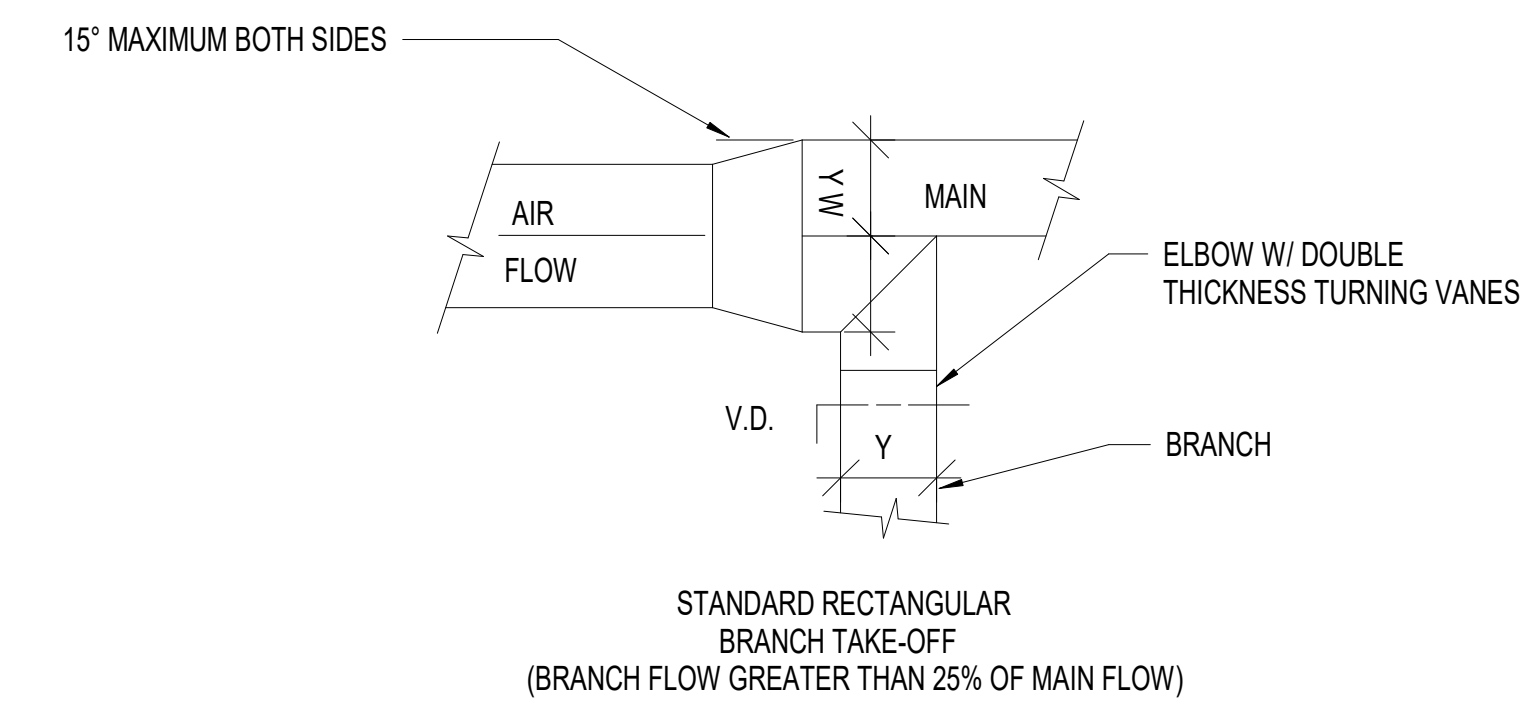
- NOTES:
1. SET AHU ON PRESSURE TREATED 2"x4" RUNNERS (LENGTH OF AHU) IN THE DRAIN PAN.
 2. PROVIDE A FLOAT SWITCH TO SHUT DOWN UNIT IF SECONDARY DRAIN PAN FILLS WITH WATER.
 3. FILTER SHALL BE REMOVABLE WITHOUT TOOLS.
 4. FIELD ROUTE CONDENSATE DRAIN TO OUTSIDE OF BUILDING. SEE CONDENSATE DRAIN FIELD DETAIL.
 5. PROVIDE 24 VOLT MOTORIZED, LOW LEAK DAMPER ACTUATOR (RUSKING MODEL CDRS25) AND INTERLOCK WITH COMPRESSOR. THE NORMALLY CLOSED DAMPER SHALL ONLY OPEN WHEN COMPRESSOR IS OPERATING IN HEATING OR COOLING MODE.

2 HORIZONTAL AHU DETAIL
M5-01 NOT TO SCALE

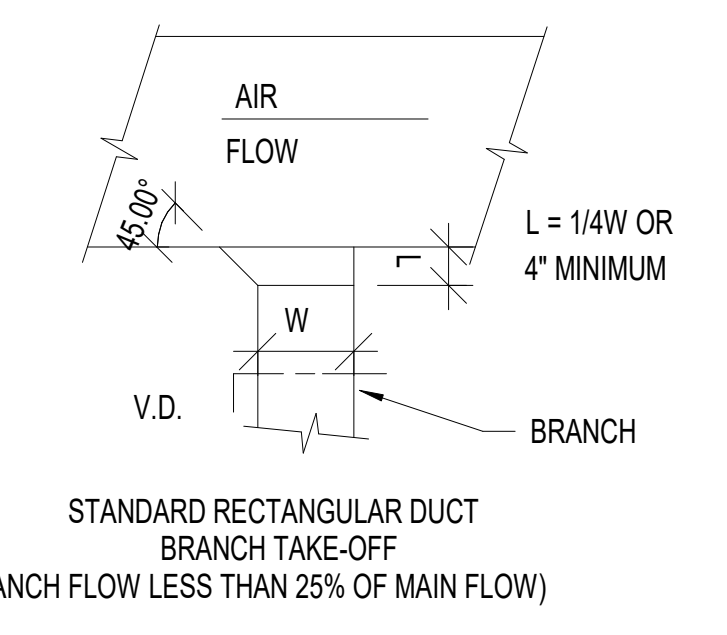


- NOTE:
- SINGLE THICKNESS TYPE TURNING VANES RADIUS AND SPACING SHALL BE PROVIDED PER THIS DETAIL.

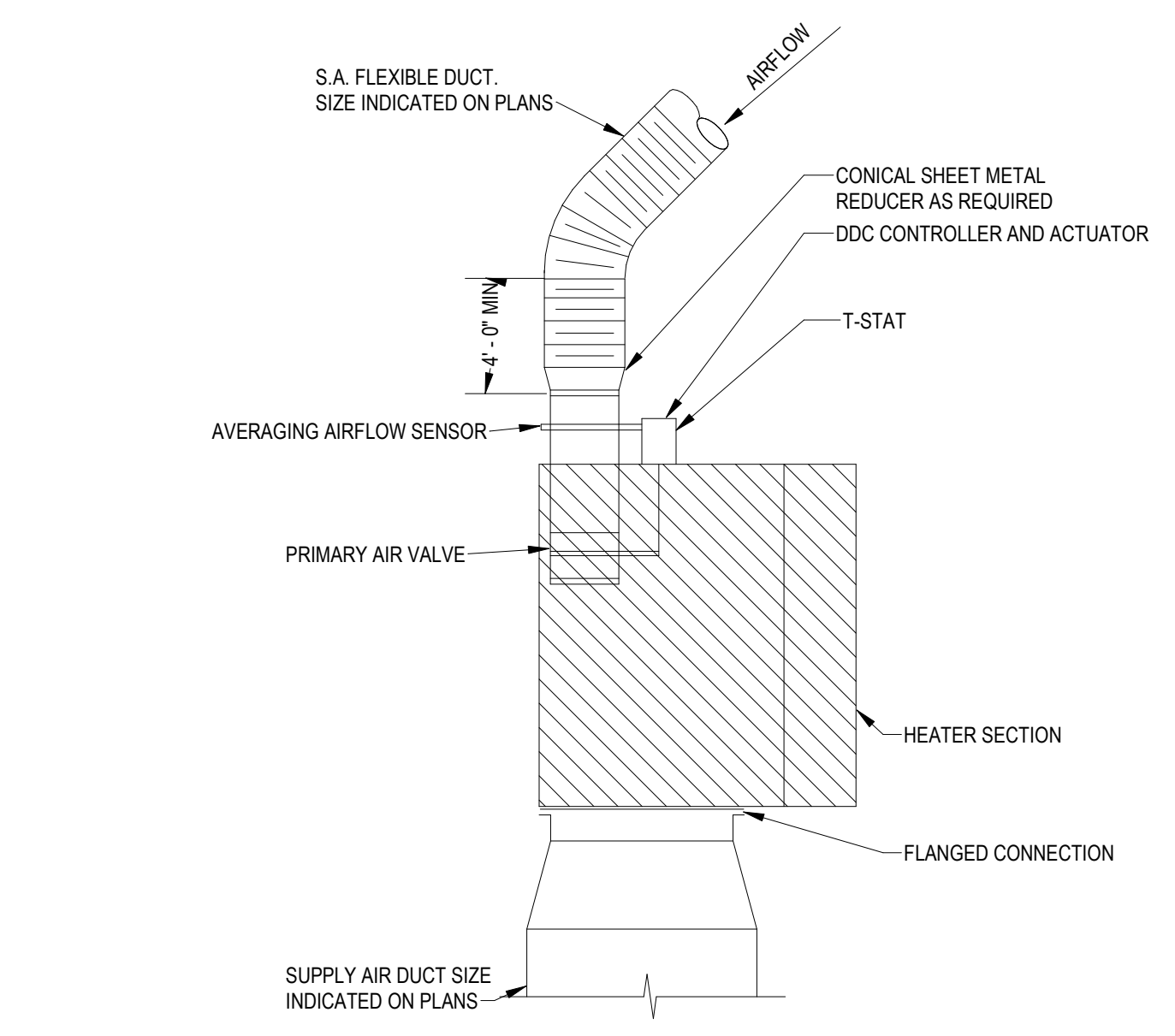
8 SINGLE THICKNESS VANE ELBOW DETAIL
M5-01 NOT TO SCALE



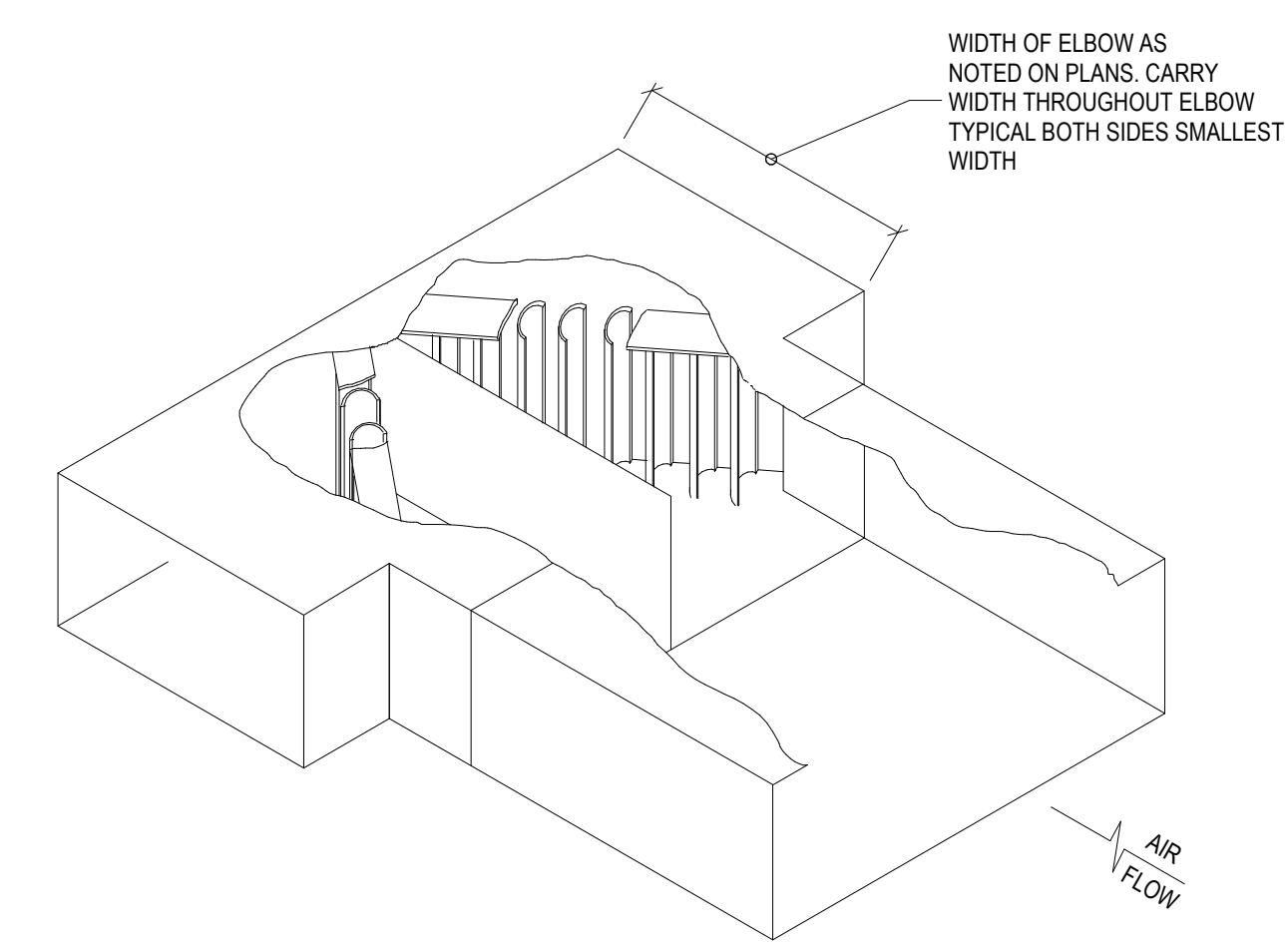
STANDARD RECTANGULAR BRANCH TAKE-OFF
(BRANCH FLOW GREATER THAN 25% OF MAIN FLOW)



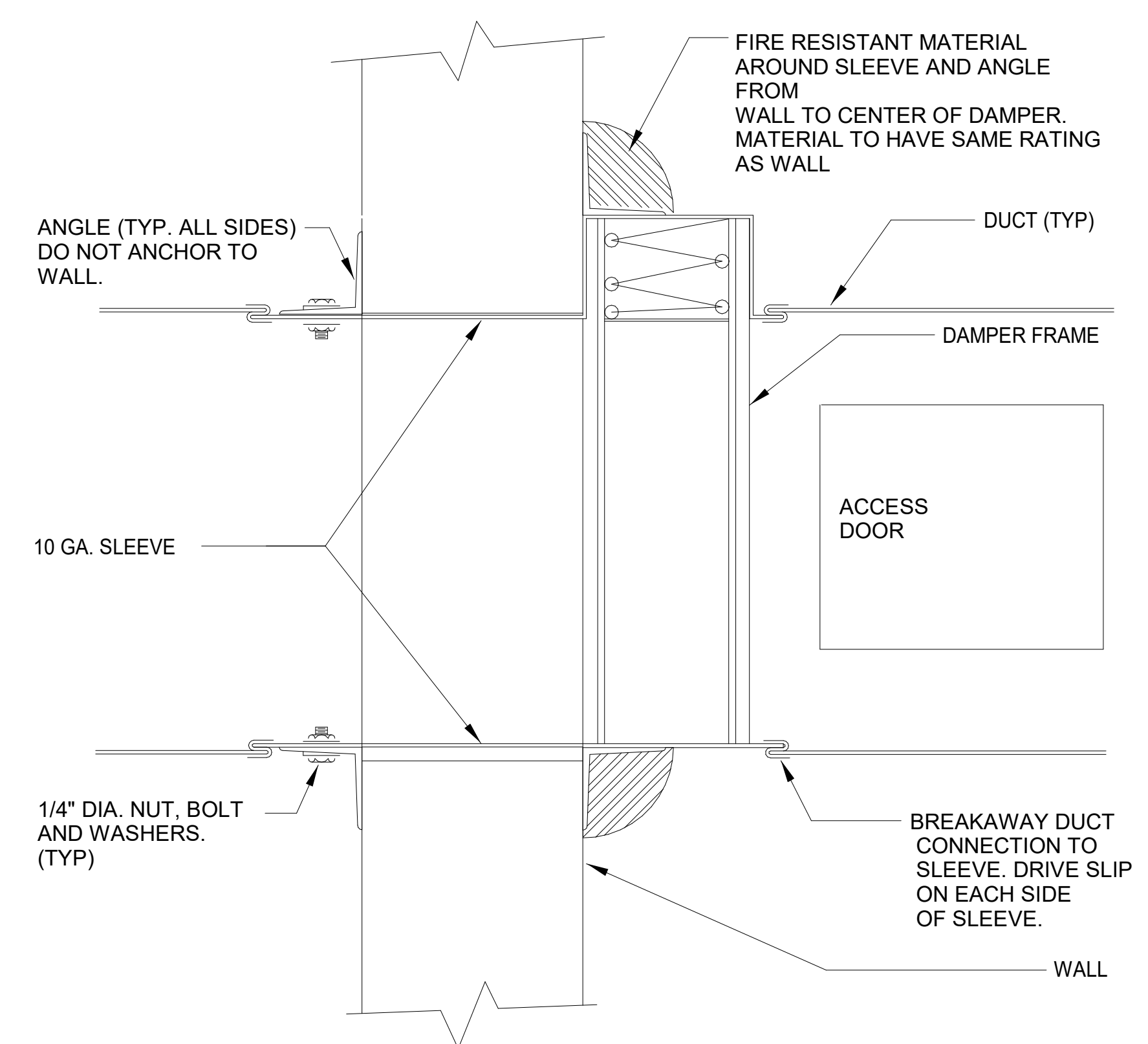
STANDARD RECTANGULAR DUCT BRANCH TAKE-OFF
(BRANCH FLOW LESS THAN 25% OF MAIN FLOW)



3 VAV (ELECTRIC HEAT) DETAIL
M5-01 NOT TO SCALE



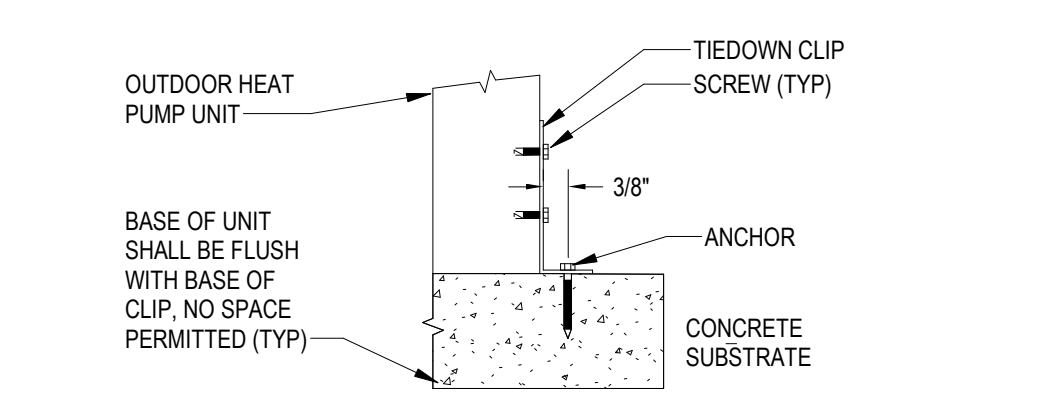
9 DUCT SPLITTER DETAIL
M5-01 NOT TO SCALE



ANGLE IRON AND FASTENER DIMENSIONS		
LENGTH	ANGLE SIZE (MIN)	FASTENER LOCATION
0-48"	1-1/2" X 1-1/2" X 1/8"	8" ON CENTER
49-96"	2" X 2" X 1/8"	6" ON CENTER
96" & OVER	2-1/2" X 2-1/2" X 3/16"	6" ON CENTER

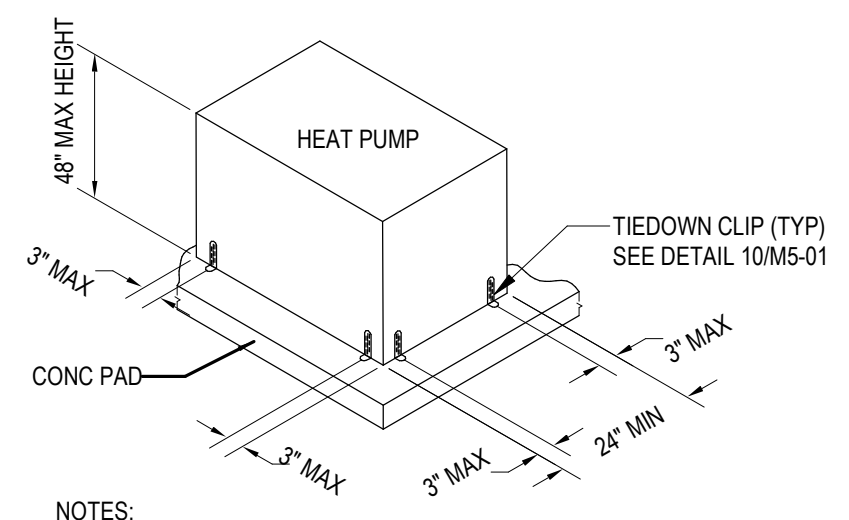
- NOTES:
1. WHERE MANUFACTURER'S INSTRUCTIONS EXCEED THE REQUIREMENTS OF THIS DETAIL, THE MANUFACTURER'S INSTRUCTIONS SHALL BE FOLLOWED

11 FIRE DAMPER DETAIL
M5-01 NOT TO SCALE



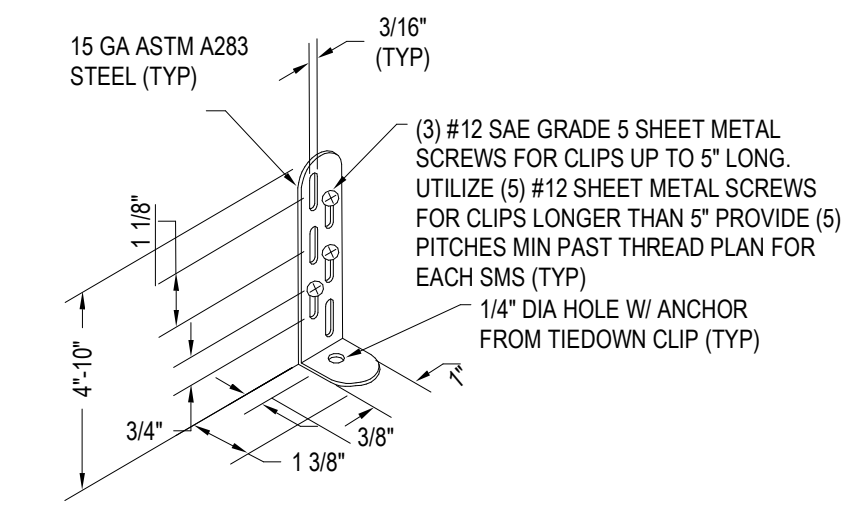
- NOTES:
1. ANCHOR TO BE 5/16" DIA CARBON STEEL ITW BULDEX TAPCON, EMBED 2 1/4" INTO CONCRETE AND SPACE 3 3/4" MINIMUM AWAY FROM ADJACENT ANCHOR.

4 ANCHOR TIE DOWN DETAIL
M5-01 NOT TO SCALE



- NOTES:
1. UTILIZE (2) STEEL CLIPS AT EACH CORNER FOR A TOTAL OF (8) PER UNIT.

5 HEAT PUMP PAD DETAIL
M5-01 NOT TO SCALE



- (3) #12 SAE GRADE 5 SHEET METAL SCREWS FOR CLIPS UP TO 5" LONG. UTILIZE (5) #12 SHEET METAL SCREWS FOR CLIPS LONGER THAN 5" PROVIDE (5) PITCHES MIN PAST THREAD PLAN FOR EACH SMS (TYP). 1/4" DIA HOLE W/ ANCHOR FROM TIEDOWN CLIP (TYP).

6 TIE DOWN DETAIL
M5-01 NOT TO SCALE

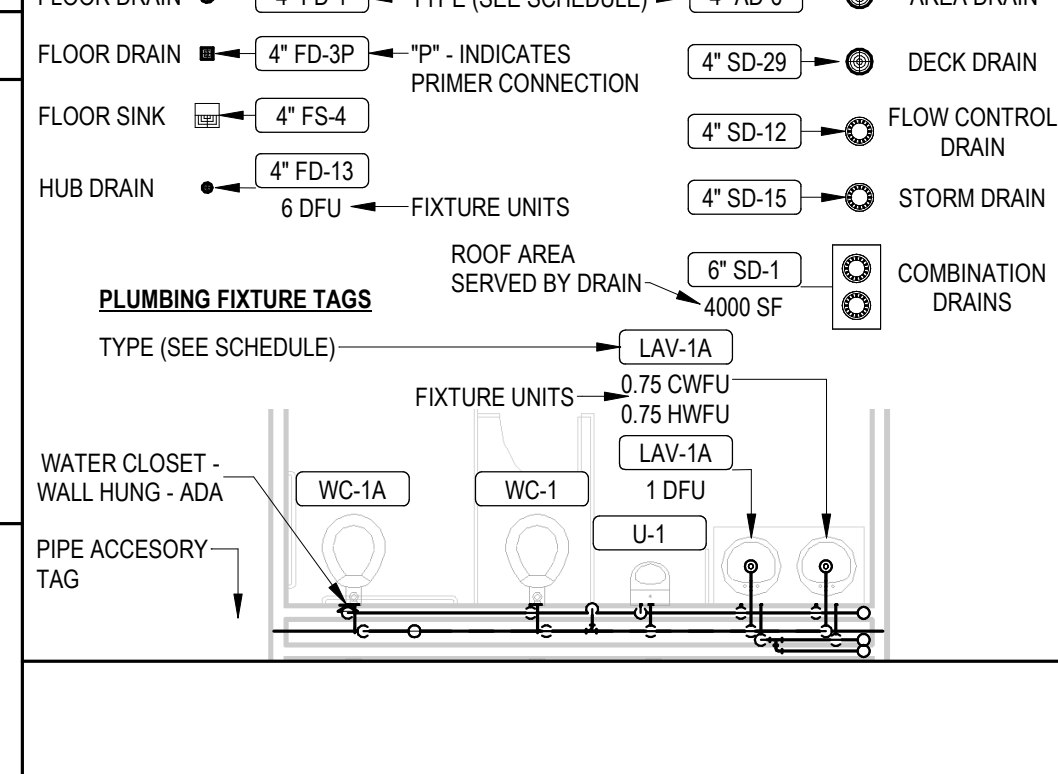
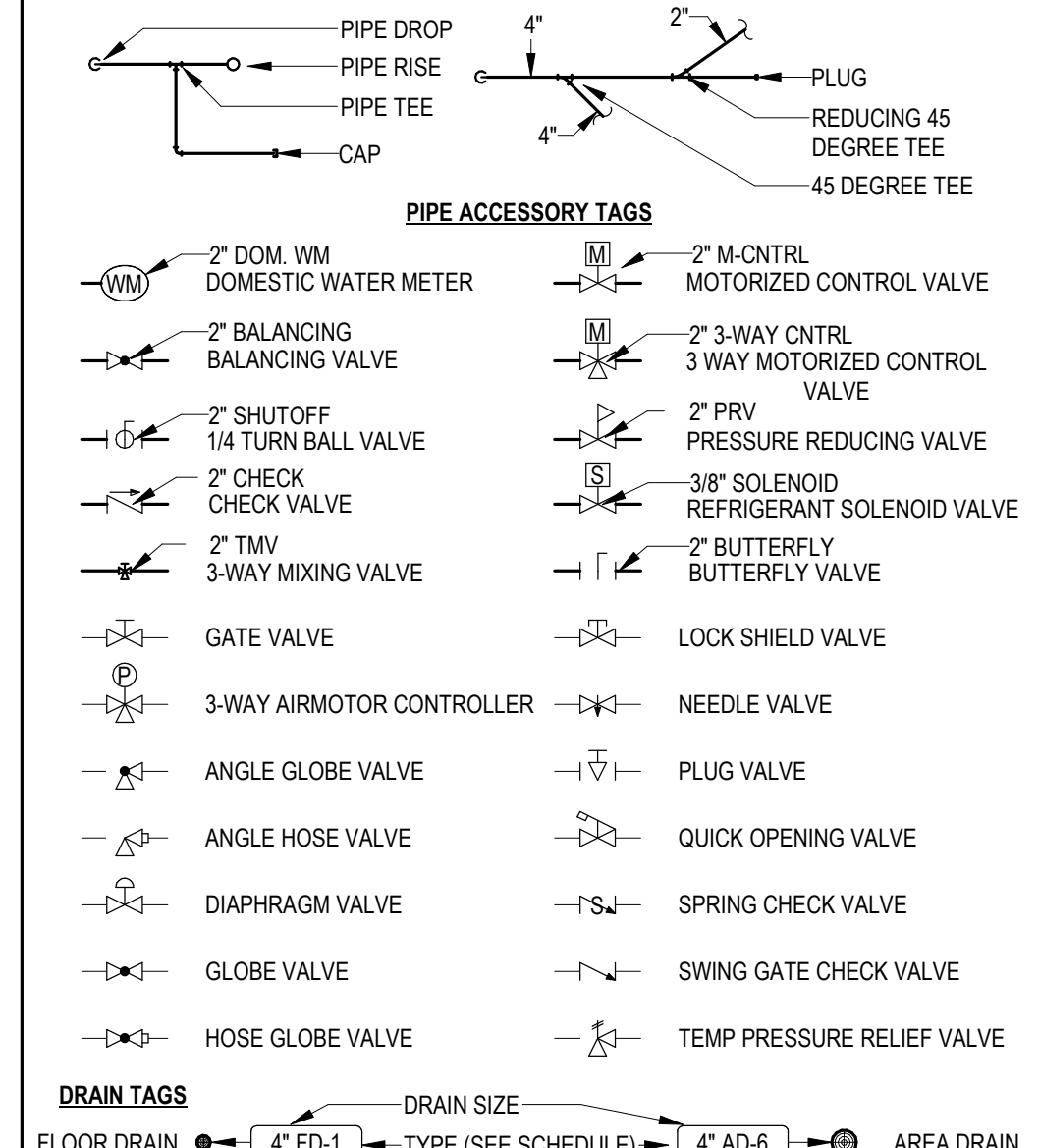
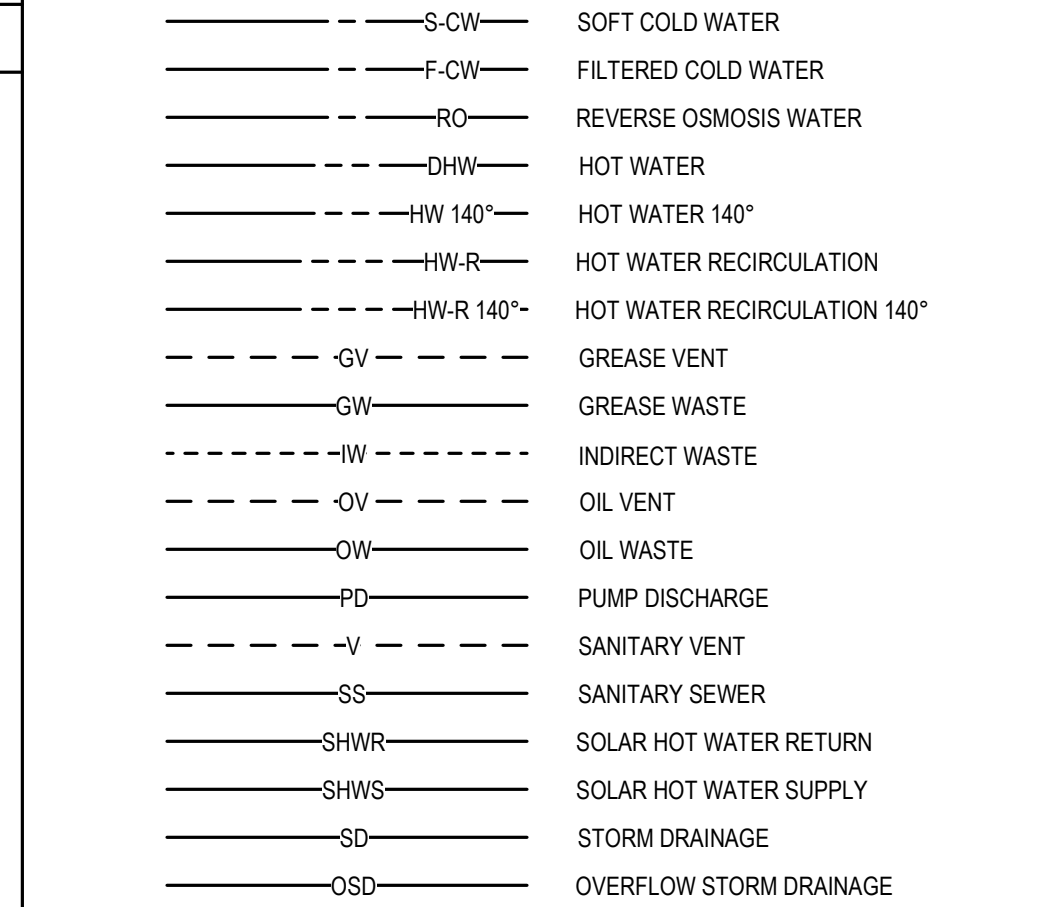
GENERAL MECHANICAL SYMBOLS	
	REVISION NUMBER - SHOWN ON PLANS
	POINT WHERE NEW CONNECTS TO EXISTING
	NUMBER OF DETAIL ON SHEET
	NUMBER OF SHEET WHERE DETAIL APPEARS
	KEYNOTE
	CONTINUATION SYMBOL
	ROOM NAME AND NUMBER
	ITEM TO BE DEMOLISHED
	AREA NOT IN CONTRACT
	PIPE SIZE TAG (DIAMETER)
	ABOVE GROUND PIPING
	PIPE SLOPE TAG
	BELOW GROUND PIPING
	PIPE INVERT ELEVATION TAG
	EXISTING PIPE TAG
	PIPING BEING DEMOLISHED

ABBREVIATIONS			
Ø	ROUND	LPQ	LIQUEFIED PETROLEUM GAS
AV	AIR ADMITTANCE VALVE	LVR	LOUVER
ABV	ABOVE	LWT	LEAVING WATER TEMPERATURE
AC	AIR CONDITIONING	MA	MIXED AIR
AD	AREA DRAIN	MAX	MAXIMUM
ADD	ADDENDUM	MBH	ONE THOUSAND BTU PER HOUR
AF	ABOVE FINISHED FLOOR	MC	ONE THOUSAND CUBIC FEET
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY	MD	MOTORIZED DAMPER
ALT	ALTERNATE	MECH	MECHANICAL
ARCH	ACCESS PANEL	MFR	MANUFACTURER
ARCH	ARCHITECT/ARCHITECTURAL	MIN	MINIMUM
BFF	BELOW FINISHED FLOOR	MISC	MISCELLANEOUS
BLW	BELOW	MTR	MOTOR
BTU	BRITISH THERMAL UNITS	MUA	MAKE-UP AIR
BTUH	BRITISH THERMAL UNITS PER HOUR	NC	NOISE CRITERIA
CAP	CAPACITY	NC	NORMALLY CLOSED
CB	CATCH BASIN	NO	NUMBER
CFM	CUBIC FEET PER MINUTE	NO	NORMALLY OPEN
CG	CEILING	NTS	NOT TO SCALE
CO	CLEAN OUT	O	OXYGEN
CW	COLD WATER	O/A	OUTSIDE AIR
D	DEGREE	ORD	OVERFLOW ROOF DRAIN
DB	DRY BULB	PD	PRESSURE DROP
DI	DIAMETER	PV	POST INDICATOR VALVE
DN	DOWN	PLB	PLUMBING
DW	DISTILLED WATER	PRESS	PRESSURE
EA	EACH	PRV	PRESSURE REDUCING VALVE
EAT	ENTERING AIR TEMPERATURE	PSI	POUNDS PER SQUARE INCH
ELEC	ELECTRICAL	PSIG	POUNDS PER SQUARE INCH GAUGE
EQUIP	EQUIPMENT	PWR	POWER
EWC	ELECTRIC WATER COOLER	R	DUCT RISER
EWT	ENTERING WATER TEMPERATURE	RA	RETURN AIR
EIA	EXHAUST AIR	RC	RADIANT CEILING PANEL
EXIST	EXISTING	RD	ROOF DRAIN
F	DEGREES FAHRENHEIT	REC	RECESSED
FCO	FLOOR CLEAN OUT	RED	REDUCER
FD	FLOOR DRAIN	RH	RELATIVE HUMIDITY
FDC	FIRE DEPARTMENT CONNECTION	RLA	RELIEF AIR
FL	FLOOR	RM	ROOM
FO	FUEL OIL	RM	REVOLUTIONS PER MINUTE
FOV	FUEL OIL VENT	RW	RAIN WATER
FOR	FUEL OIL RETURN	SF	SQUARE FOOT
FOS	FUEL OIL SUPPLY	SIA	SUPPLY AIR
FS	FEET PER MINUTE	SAN	SANITARY
FS	FLOOR SINK	SM	SURFACE MOUNT
FT	FOOT/FEET	SF	SQUARE FOOT
FTR	FIN TUBE RADIATION	SD	SMOKE DAMPER
GAL	GALLON	SM	SURFACE MOUNT
GF	GAS-FIRED	SP	STANDPIPE
GC	GENERAL CONTRACTOR	SS	STATIC PRESSURE
GCO	GROUND CLEAN OUT	STM	STEAM
GPM	GALLONS PER MINUTE	T	THERMOSTAT
GW	GREASE WASTE	TD	TEMPERATURE DROP
HB	HOSE BIB	TD	TEMPERATURE DROP
HP	HORSE POWER	TR	TRENCH DRAIN
HTG	HEATING	TEMP	TEMPERATURE
HTR	HEATER	UG	UNDERGROUND
HW	HOT WATER	V	VACUUM
HYD	HYDRANT	V	VENT
ID	INDIRECT	VA	VARIABLE AIR VOLUME
IN	INCH	VENT	VENTILATION
INV	INVERT	VTR	VENT THROUGH ROOF
LB	POUND	W	WASTE
LBHR	POUNDS PER HOUR	WB	WET BULB
LAT	LEAVING AIR TEMPERATURE	WCO	WALL CLEAN OUT
LP	LOW PRESSURE	WH	WALL HYDRANT

EQUIPMENT ABBREVIATIONS			
AC	AIR CONDITIONING UNIT	ET	EXPANSION TANK
ACCU	AIR COOLING CONDENSING UNIT	EW	ELECTRIC WATER HEATER
AHU	AIR HANDLING UNIT	FCU	FAN COIL UNIT
AS	AIR SEPARATOR	FP	FIRE PUMP
B	BOLTER	GI	GREASE INTERCEPTOR
CH	CHILLER	GRV	GRAVITY ROOF VENTILATOR
CT	COOLING TOWER	HWP	HEATING WATER PUMP
CUH	CABINET UNIT HEATER	HRL	HEAT RECOVERY UNIT
CHWP	CHILLED WATER PUMP	PRV	POWER ROOF VENTILATOR
DBP	DOMESTIC WATER BOOSTER PUMP	RE	RETURN/EXHAUST FAN
DC	DUCT MOUNTED COIL	RTU	ROOFTOP UNIT
DCP	DOMESTIC WATER CIRCULATING PUMP	SP	SUMP PUMP
EF	EXHAUST FAN	UH	UNIT HEATER
EDC	ELECTRIC DUCT COIL	WH	WATER HEATER

NOTE
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

PLUMBING AND PIPING SYMBOLS	
	CHILLED WATER RETURN
	CHILLED WATER SUPPLY
	CONDENSATE DRAINAGE
	CONDENSER WATER RETURN
	CONDENSER WATER SUPPLY
	GEO THERMAL WATER RETURN
	GEO THERMAL WATER SUPPLY
	HEATING WATER RETURN
	HEATING WATER SUPPLY
	NATURAL GAS
	PROPANE GAS
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	REFRIGERANT HOT GAS
	STEAM
	CONDENSATE RETURN
	COMBINATION WASTE & VENT
	COMPRESSED AIR
	DOMESTIC COLD WATER
	HARD COLD WATER
	SOFT COLD WATER
	FILTERED COLD WATER
	REVERSE OSMOSIS WATER
	HOT WATER
	HOT WATER 140°
	HOT WATER RECIRCULATION
	HOT WATER RECIRCULATION 140°
	GREASE VENT
	GREASE WASTE
	INDIRECT WASTE
	OIL VENT
	OIL WASTE
	PUMP DISCHARGE
	SANITARY VENT
	SANITARY SEWER
	SOLAR HOT WATER RETURN
	SOLAR HOT WATER SUPPLY
	STORM DRAINAGE
	OVERFLOW STORM DRAINAGE



PROJECT GENERAL NOTES

- LOCATIONS OF PIPING, DUCTWORK AND EQUIPMENT AS INDICATED ON THE DRAWINGS, ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. WORK SHALL BE COORDINATED WITH ALL OTHER TRADES TO AVOID INTERFERENCE IN THE FIELD.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND SHALL ARRANGE FOR ALL INSPECTIONS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE.
- PRIOR TO STARTING WORK, SUBMIT SHOP DRAWINGS FOR ALL MECHANICAL EQUIPMENT, PLUMBING FIXTURES, AND DIFFUSERS.
- PROVIDE ONE YEAR WARRANTY FOR ALL WORKMANSHIP AND MATERIALS AFTER THE DATE OF FINAL ACCEPTANCE.
- COORDINATE INSTALLATION OF PIPING, DUCTWORK, CONDUIT, LIGHTS, CABLE TRAY, STRUCTURE, AND EQUIPMENT TO PREVENT CONFLICTS.
- FINAL PRODUCT SHALL BE A COMPLETE AND FUNCTIONING SYSTEM, AND SHALL CONFORM TO ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE, AND LOCAL CODES, INCLUDING BUT NOT LIMITED TO THE INTERNATIONAL BUILDING CODE AND INTERNATIONAL MECHANICAL CODE.
- INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH THE SPECIFICATIONS.
- PROVIDE SLEEVES AND/OR OPENINGS TO RUN PIPES AND DUCTS THROUGH FOUNDATIONS, FLOORS, WALLS, AND ROOF.
- PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE STOPPED. FIRE STOPPING SHALL BE AN APPROVED MATERIAL AS PRESCRIBED IN CSFM STANDARD 43-1 AND SHALL BE U.L. LISTED.
- ADJUST PIPING AND DUCTWORK SIZES TO PROPERLY CONNECT TO MECHANICAL EQUIPMENT.
- FOR DETAILS, EQUIPMENT CONNECTIONS, AND PIPE SIZES NOT SHOWN ON THE SEGMENTS, REFER TO DETAILS, SCHEDULES, AND SPECIFICATIONS.
- INSTALL EXPOSED PIPING AND DUCTWORK AS HIGH AS PRACTICAL IN ROOMS WITHOUT CEILINGS.
- PIPE SIZES SHOWN SHALL BE CONTINUED IN THE DIRECTION OF FLOW UNTIL ANOTHER SIZE IS SHOWN.
- LOCATE DUCTWORK, PIPING AND MECHANICAL EQUIPMENT AWAY FROM THE SPACE ABOVE ELECTRICAL PANELS, TRANSFORMERS AND OTHER ELECTRICAL EQUIPMENT.
- MAINTAIN CLEAR ACCESS TO SERVICE EQUIPMENT AND OTHER ACCESSORIES REQUIRING SERVICE, VISUAL INSPECTION OR HAND OPERATION, WHERE INDICATED OR REQUIRED. PROVIDE ACCESS PANELS OF THE TYPE SELECTED TO SUIT MATERIALS IN WHICH INSTALLED.
- ALL ROOF MOUNTED EQUIPMENT SHALL BE A MINIMUM 10'-0" FROM EDGE OF ROOF.
- REMOVE ALL UNUSED PIPING, DUCTWORK AND ACCESSORIES.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING, PRIOR TO FINAL BID, ALL EXISTING CONDITIONS FOR PLUMBING AND MECHANICAL SYSTEMS WITHIN TENANT SPACE AND WITHIN CLOSE PROXIMITY OF TENANT SPACE.
- THE MECHANICAL CONTRACTOR SHALL PERFORM SERVICE AND REPAIR ON THE EXISTING EQUIPMENT AND ITS ACCESSORIES AS FOLLOWS: CLEAN ALL COILS, REPLACE THE FILTERS AND BELTS, INSPECT, REPAIR, OR REPLACE THE ECONOMIZERS, DRIVES AND FAN BEARINGS, MOTORS, CONTROL COMPONENTS, VALVES AND ANY OTHER ITEM NECESSARY FOR A COMPLETE AND PROPER OPERATING SYSTEM. THIS CONTRACTOR SHALL ALSO VISIT THE SITE, PRIOR TO FINAL BIDDING, AND VERIFY ALL EXISTING SITE CONDITIONS. PROVIDE ALL MATERIAL AND COMPONENTS AS NEEDED TO BRING THE UNITS TO FULL COMPLIANCE OF THE LANDLORD'S CRITERIA AND LOCAL AUTHORITY HAVING JURISDICTION.
- WHERE FLOOR DRAINS OCCUR WITHIN THE LIMITS OF CONSTRUCTION, PREVENT CONSTRUCTION DEBRIS FROM ENTERING DRAIN BODY BY SEALING DRAIN OPENING PRIOR TO START OF WORK. UNSEAL DRAINS AT COMPLETION OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE FAMILIAR WITH ALL THE CONDITIONS BOTH EXISTING AND THOSE ILLUSTRATED BY THESE DOCUMENTS AS WELL AS THOSE WHICH CAN BE REASONABLY ANTICIPATED INCLUDING, BUT NOT LIMITED TO ARCHITECTURAL, ELECTRICAL, VENTILATION, PLUMBING, AND OTHER SYSTEMS INVOLVED ON THIS PROJECT.
- LOCATE EQUIPMENT REQUIRING ACCESS 2'-0" MAXIMUM ABOVE CEILING.
- REFER TO HVAC SERIES DRAWINGS FOR GAS AND A.C. CONDENSATE DRAIN PIPING.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CURRENT EDITION OF ALL APPLICABLE CODES AND LOCAL CODES AS APPLIED BY THE AUTHORITY HAVING JURISDICTION.
- THE CONTRACTOR'S WORK SCHEDULE SHALL BE SUBMITTED TO AND APPROVED BY THE OWNER.

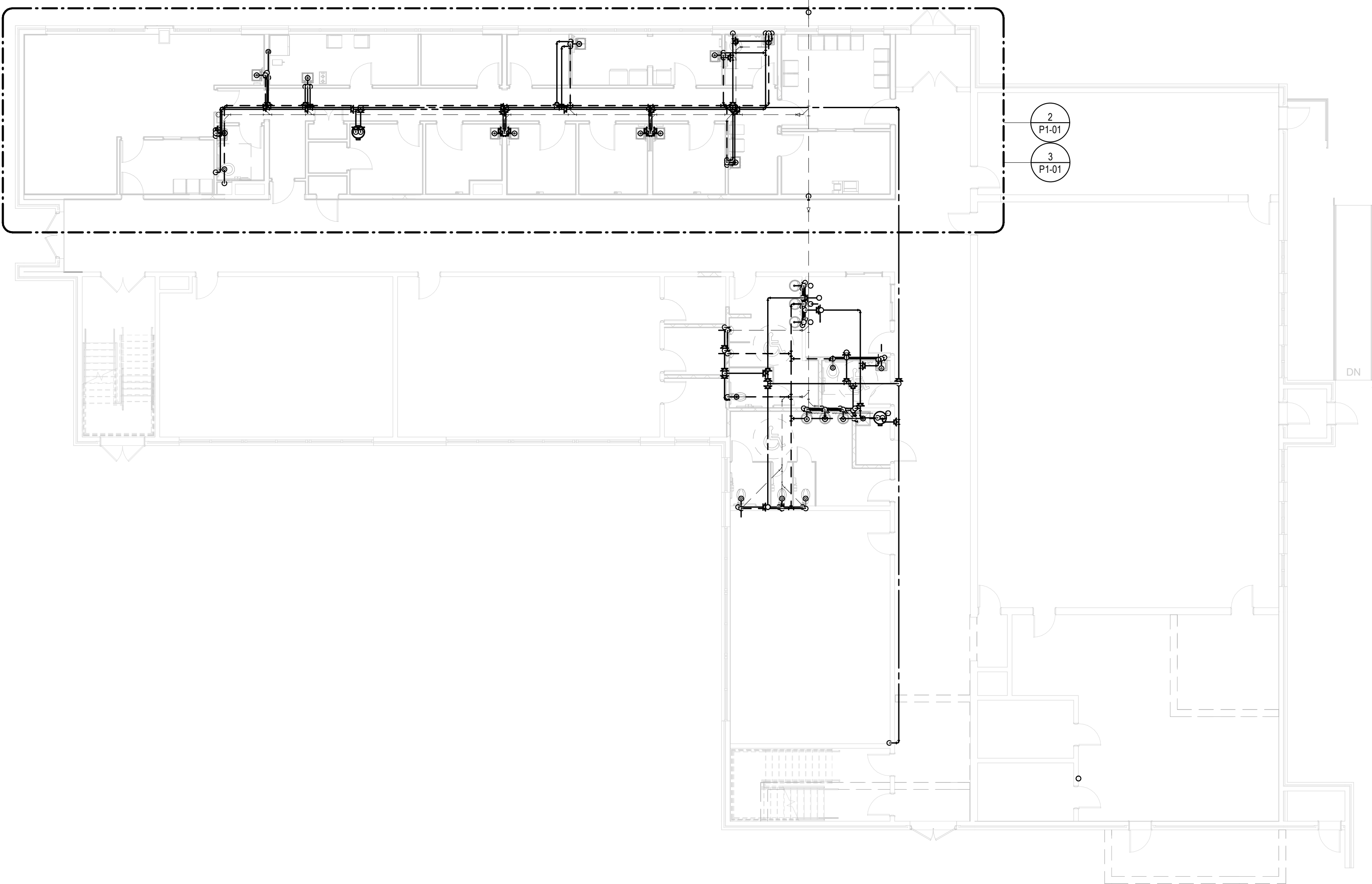
PLUMBING GENERAL NOTES

- PROVIDE ALL MATERIALS AND LABOR NECESSARY FOR COMPLETE AND PROPERLY FUNCTIONING PLUMBING SYSTEMS.
- WORK SHALL CONFORM TO OR MEET THE REQUIREMENTS OF THE MOST CURRENT EDITION OF INTERNATIONAL PLUMBING CODE AND ALL FEDERAL, STATE AND LOCAL CODES AND ORDINANCES WHICH APPLY TO THIS WORK.
- DRAWING IS DIAGRAMMATIC IN NATURE AND IS NOT INTENDED TO BE SCALED FOR DIMENSIONS.
- ALL MATERIALS SHALL MEET THE REQUIREMENTS OF UL WHERE UL STANDARDS ARE ESTABLISHED FOR THOSE ITEMS. ALL ITEMS SHALL BE CLASSIFIED BY UL AS SUITABLE FOR THE PURPOSE USED.
- ALL ITEMS SHALL BE NEW AND ALL MATERIAL, EQUIPMENT AND DEVICES SHALL BE CURRENT PRODUCTS BY MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SUCH PRODUCTS.
- COORDINATE LOCATION OF PLUMBING WORK WITH OTHER TRADES TO AVOID CONFLICTS AND INTERFERENCES.
- INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS.
- COORDINATE AND OBTAIN PERMITS AND INSPECTIONS FROM AUTHORITY HAVING JURISDICTION.
- PROVIDE OWNER WITH CERTIFICATE OF FINAL INSPECTION AND ACCEPTANCE FROM AUTHORITY HAVING JURISDICTION.
- CLEANOUTS SHALL BE LINE SIZE UNLESS NOTED OTHERWISE.
- FLOOR DRAINS SHALL BE LINE SIZE UNLESS NOTED OTHERWISE. THE FLOOR DRAIN SHALL BE FLUSH MOUNTED WITH FINISHED FLOOR AND THE FLOOR SHALL SLOPE TO THE DRAINS AN A MINIMUM OF 1/16" PER FOOT.
- VALVES SHALL BE LINE SIZE UNLESS NOTED OTHERWISE.
- ABOVE GROUND WATER PIPING SHALL BE TYPE L COPPER. UNDERGROUND WATER PIPING SHALL BE TYPE K COPPER.
- COLD AND HOT WATER VALVES 2" AND SMALLER SHALL BE RATED FOR POTABLE, BALL, MSS SP-110. BALL VALVE SHALL BE FULL PORT THREE PIECE OR TWO PIECE WITH A UNION DESIGN WITH ADJUSTABLE STEM PACKAGE. THREADED STEM 150 PSIG AND A CWP RATING OF 600 PSIG. THE BODY MATERIAL SHALL BE BRONZE ASTM B584, ALLOY C844. THE ENDS SHALL BE NON-LEAD SOLDER.
- ALL WASTE, DRAIN, AND VENT PIPING SHALL BE STANDARD WEIGHT, TYPE 1, PVC INSTALLED IN ACCORDANCE WITH ASTM D2221.
- COLD WATER PIPING SHALL BE INSULATED WITH 1" THICK GLASS FIBER (K OF 0.24 AT 75F) WITH VAPOR BARRIER. HOT WATER PIPING SHALL BE INSULATED WITH 1-1/2" THICK GLASS FIBER (K OF 0.24 AT 75F) WITHOUT VAPOR BARRIER.
- HANGERS FOR PIPE 1/2" TO 1-1/2" SHALL BE CARBON STEEL ADJUSTABLE SWIVEL, SPLIT RING TYPE, WITH A MAXIMUM SPACING OF 8'-0" ON CENTERS. HANGERS FOR 2" AND LARGER SHALL BE CARBON STEEL ADJUSTABLE CLEVIS TYPE. HANGER SPACING FOR PIPES 2-1/2" AND SMALLER SHALL NOT EXCEED 10'-0" ON CENTERS. PROVIDE CLEARANCE IN HANGERS FROM STRUCTURES AND OTHER EQUIPMENT FOR INSTALLATION OF INSULATION AND ACCESS TO VALVES AND FITTINGS. INSTALL HANGERS WITHIN 2'-0" OF ALL CHANGES IN DIRECTION OF PIPING.
- ALL ROOF PENETRATIONS SHALL BE COORDINATED WITH ROOFING CONTRACTOR TO ENSURE ROOF BOND WILL BE MAINTAINED.
- PROVIDE ALL OPERATION AND MAINTENANCE MANUALS FOR PLUMBING EQUIPMENT TO BUILDING OWNER.

PLUMBING SHEET INDEX			
SHEET	DESCRIPTION	REV NO.	DATE
PL-01	PLUMBING TITLE SHEET	A	10/14/2021
FD-01	FIRST FLOOR PLUMBING DEMOLITION PHASING PLAN	A	10/14/2021
FD-02	SECOND FLOOR PLUMBING DEMOLITION PHASING PLAN	A	10/14/2021
PL-01	FIRST FLOOR PHASE 1 MEDICAL AREA PLUMBING PLAN	A	10/14/2021
PL-02	FIRST FLOOR PHASE 1 RESTROOM PLUMBING PLAN	A	10/14/2021

Renovations of
**Baywood
Technology &
Community Center**

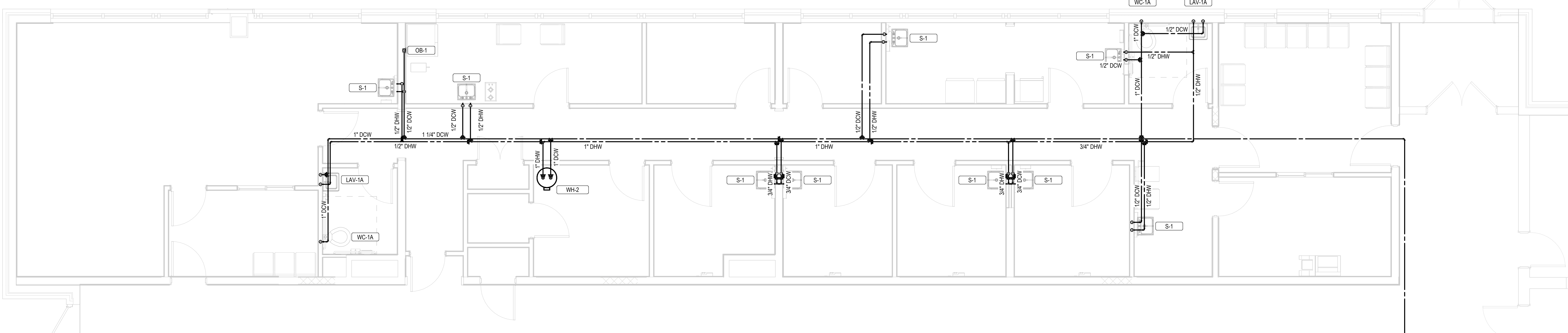
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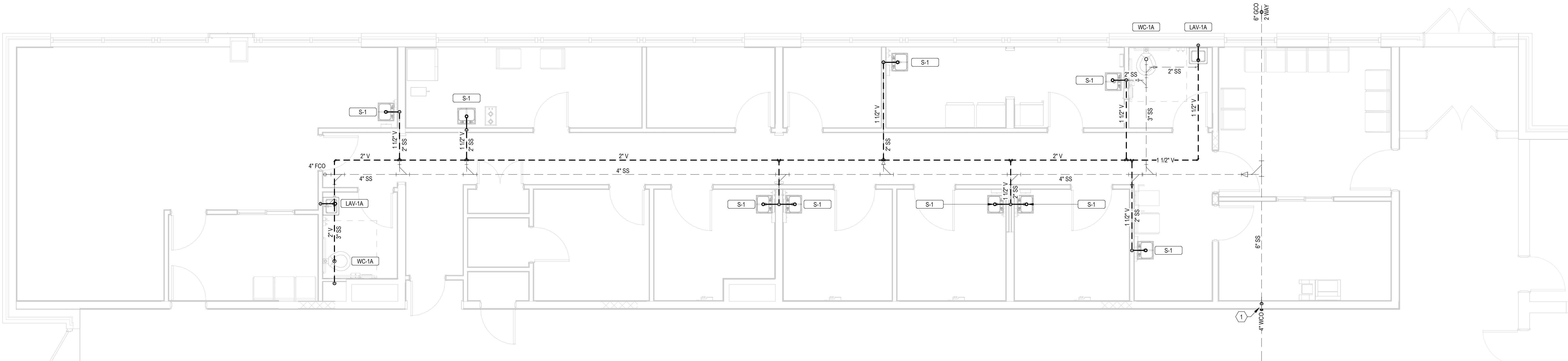
1 FIRST FLOOR PHASE 1 OVERALL PLUMBING PLAN
3/32" = 1'-0"

ID	FLOOR	DESCRIPTION	MANUFACTURER	MODEL	FINISH	TRIM		WASTE ROUGH-IN PIPE SIZE	VENT PIPE SIZE	COLD WATER ROUGH-IN PIPE SIZE	HOT WATER ROUGH-IN PIPE SIZE	SPECIFICATION
						MANUFACTURER	MODEL					
JS-1	FIRST	JANITOR SINK	FIAT	MSB-2424		FIAT	830AA	3"	2"	3/4"	3/4"	SERVICE BASIN WITH CAP ON TWO SIDES, WITH CHROME PLATED 3" DRAIN AND CAST IRON TRAP. FAUCET SHALL INCLUDE PAIL HOOK AND ATMOSPHERIC VACUUM BREAKER SPOUT. FURNISH MOP HANGER AND HOSE BRACKET.
LAV-1A	FIRST	LAVATORY - WALL HUNG - ADA	ZURN	Z5340	WHITE	ZURN	Z7440-XL	2"	1 1/2"	1/2"	1/2"	WALL HUNG LAVATORY WITH BACKSPASH, FAUCET HOLES ON 4" CENTERS, ZURN HARD-WIRED Z8915-XL DECK-MOUNTED FAUCET, GRID DRAIN, LOOSE KEY ANGLE STOPS AND SUPPLIES. INSULATE WATER AND WASTE WITH ADA INSULATION KIT. MOUNT AT ADA COMPLIANT HEIGHT.
LAV-2	FIRST	LAVATORY - COUNTER	ZURN	Z5110	WHITE	ZURN	Z8915-XL	2"	1 1/2"	1/2"	1/2"	COUNTERTOP LAVATORY, SELF-RIMMING, FAUCET HOLES ON 4" CENTERS, ZURN HARD-WIRED Z8915-XL DECK-MOUNTED FAUCET, SENSOR, HARDWIRED POWER, GRID DRAIN, LOOSE KEY ANGLE STOPS AND SUPPLIES. INSULATE WATER AND WASTE WITH INSULATION KIT.
LAV-2A	FIRST	LAVATORY - COUNTER - ADA	ZURN	Z5110	WHITE	ZURN	Z8915-XL	2"	2"	1/2"	1/2"	COUNTERTOP LAVATORY, SELF-RIMMING, FAUCET HOLES ON 4" CENTERS, ZURN HARD-WIRED Z8915-XL DECK-MOUNTED FAUCET WITH SENSOR, HARDWIRED POWER, GRID DRAIN, LOOSE KEY ANGLE STOPS AND SUPPLIES. MOUNT AT ADA COMPLIANT HEIGHT. INSULATE WATER AND WASTE TO MEET ADA REQUIREMENTS USING ADA INSULATION KIT.
OB-1	FIRST	ICE MAKER OUTLET BOX	WATERTITE	A89700-HA	WHITE					1/2"		FULLY RECESSED ICE MAKER SUPPLY BOX WITH COVER, PROVIDE 1/4" TURN BALL VALVES AND WATER HAMMER ARRESTORS IN BOX.
S-1	FIRST	SINGLE BOWL SINK	ELKAY	LRAD21955-3	STAINLESS STEEL	ELKAY	LKD2423BHC	2"	2"	1/2"	1/2"	SINGLE COMPARTMENT ADA COMPLIANT, SELF-RIMMING, 18 GAUGE, SINGLE LEVER SWIVEL FAUCET, ONE ELKAY MODEL NO. LKSR BASKET STRAINER, P-TRAP, TAILPIECES, SUPPLIES AND STOPS. INSULATE WATER AND WASTE TO MEET ADA REQUIREMENTS.
U-1	FIRST	URNAL	ZURN	Z5755-U	WHITE	ZURN	Z8003AV	2"	1 1/2"	3/4"		WALL HUNG URINAL WITH WASHOUT ACTION, TOP SPUD, SIZE 18" WITH INTEGRAL EXTENDED SHIELDS SUPPORTED BY THROUGH GOING BOLTS AND C.P. NUTS. ZEM56000-IS HARD-WIRED SENSOR FLUSHOMETER.
U-1A	FIRST	URNAL - ADA	ZURN	Z5755-U	WHITE	ZURN	Z8003AV	2"	1 1/2"	3/4"		WALL HUNG URINAL WITH WASHOUT ACTION, TOP SPUD, SIZE 18" WITH INTEGRAL EXTENDED SHIELDS SUPPORTED BY THROUGH GOING BOLTS AND C.P. NUTS. ZEM56000-IS HARD-WIRED SENSOR FLUSHOMETER.
WC-1A	FIRST	WATER CLOSET - FLOOR - FLUSH VALVE - ADA	ZURN	Z5665-BWL1	WHITE	ZURN	Z8000AV	3"	2"	1"		ELONGATED FLOOR MOUNTED WATER CLOSET, 1-1/2" TOP SPUD, WITH CHURCH 295CT ELONGATED OPEN FRONT SEAT. ZURN ZEM56000AV-IS HARDWIRED FLUSHOMETER. INSTALL AT ADA COMPLIANT HEIGHT.
WC-2	FIRST	WATER CLOSET - FLOOR - FLUSH VALVE	ZURN	Z5664-BWL1	WHITE	ZURN	Z8000AV	3"	2"	1"		ELONGATED FLOOR MOUNTED WATER CLOSET, 1-1/2" TOP SPUD, WITH CHURCH 295CT ELONGATED OPEN FRONT SEAT. ZURN ZEM56000AV-IS HARDWIRED FLUSHOMETER.

NOTES:
1. CONTRACTOR SHALL PROVIDE HARD-WIRED POWER SUPPLY, MINI-JUNCTION BOX FOR EACH GROUPING OF 8 HARD-WIRED FIXTURES. COORDINATE WITH ELECTRICAL CONTRACTOR FOR 120VAC POWER AND CONNECTIONS TO 120V. PLUMBING CONTRACTOR SHALL PROVIDE AND ROUTE ALL LOW VOLTAGE WIRING IN A CONCEALED LOCATION.



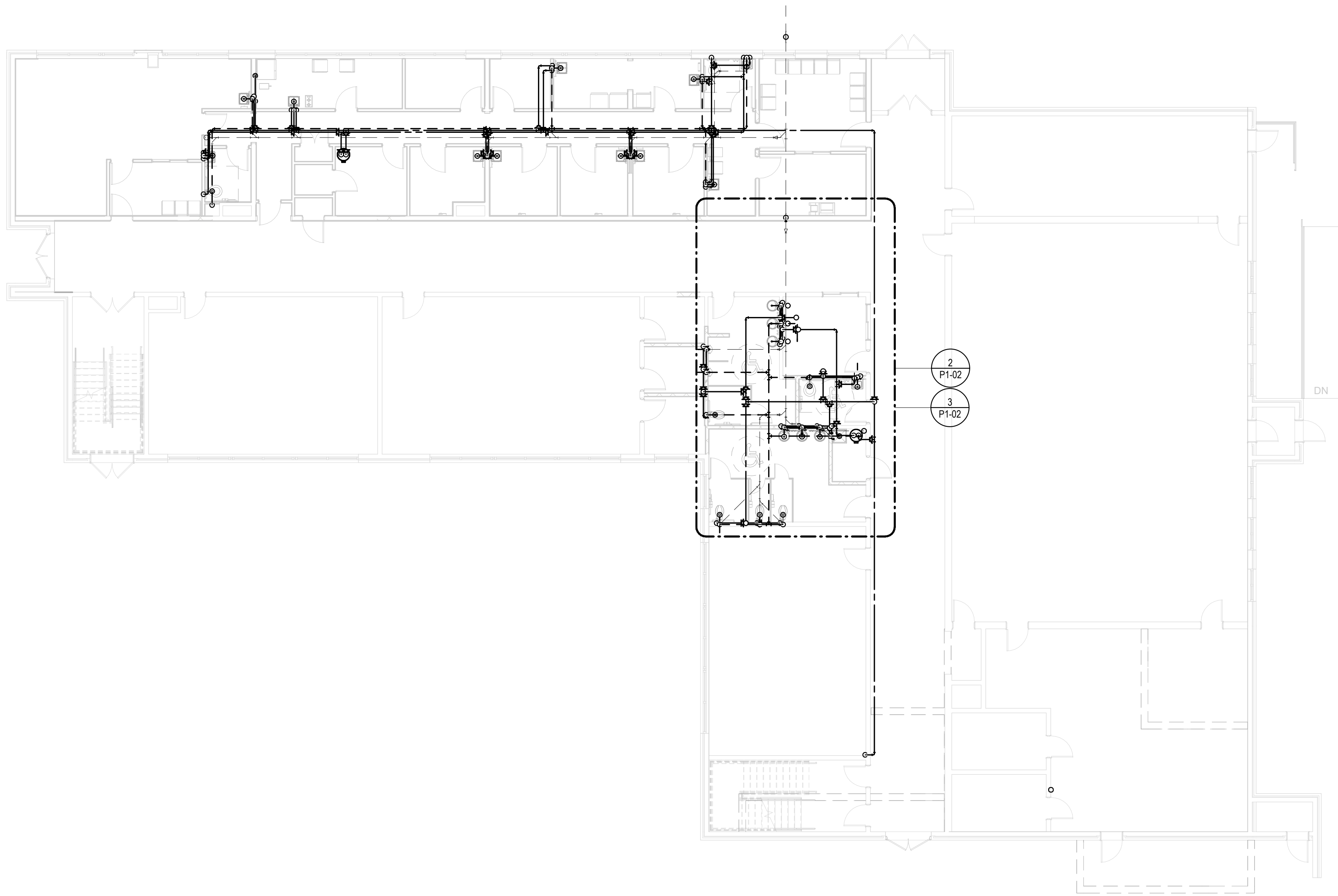
2 FIRST FLOOR PHASE 1 ENLARGED DOMESTIC PLUMBING PLAN
1/4" = 1'-0"



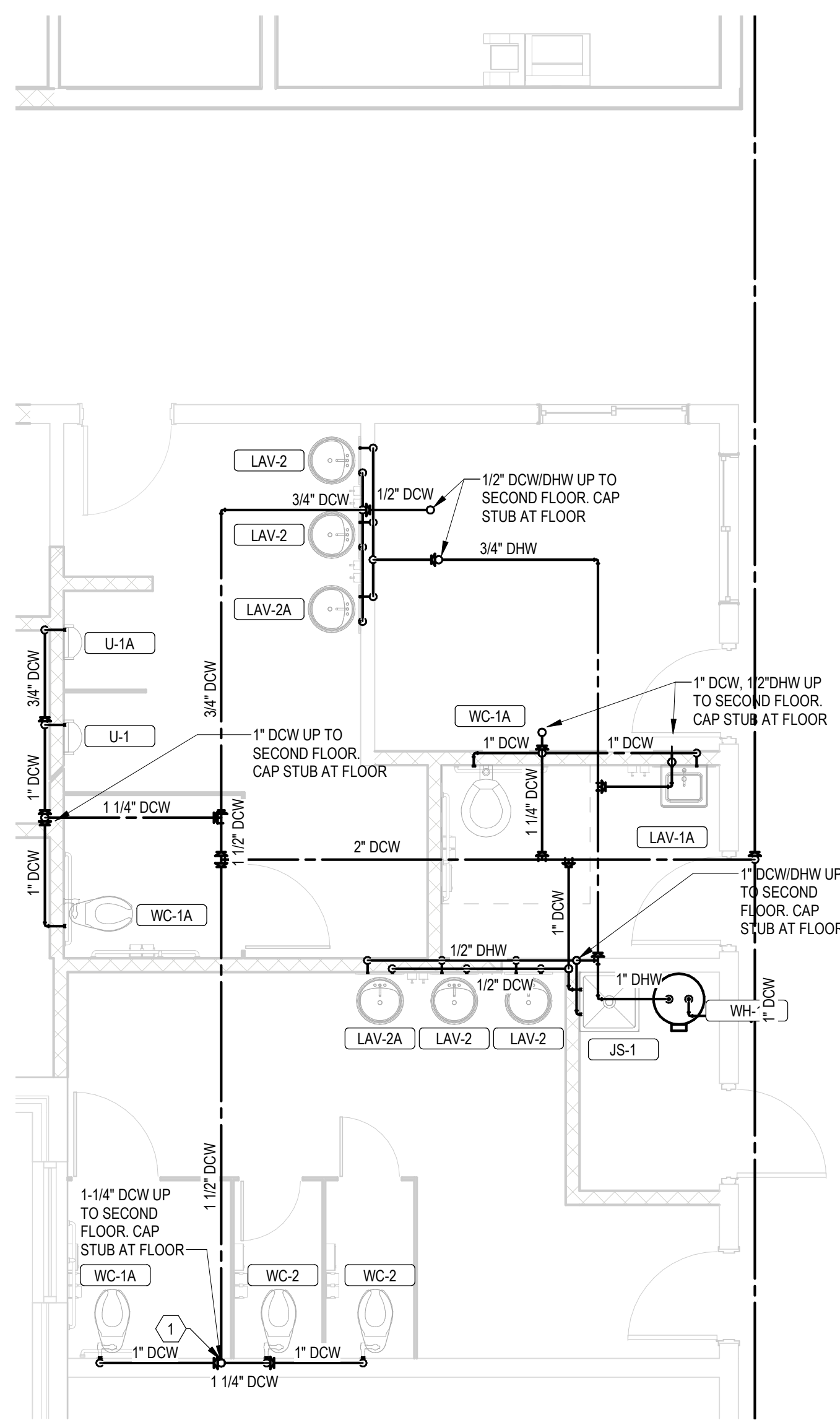
3 FIRST FLOOR PHASE 1 ENLARGED WASTE AND VENT PLUMBING PLAN
1/4" = 1'-0"

KEYNOTES	
1	PROVIDE SHUTOFF VALVES IN VERTICALS BETWEEN THE FLOORS.

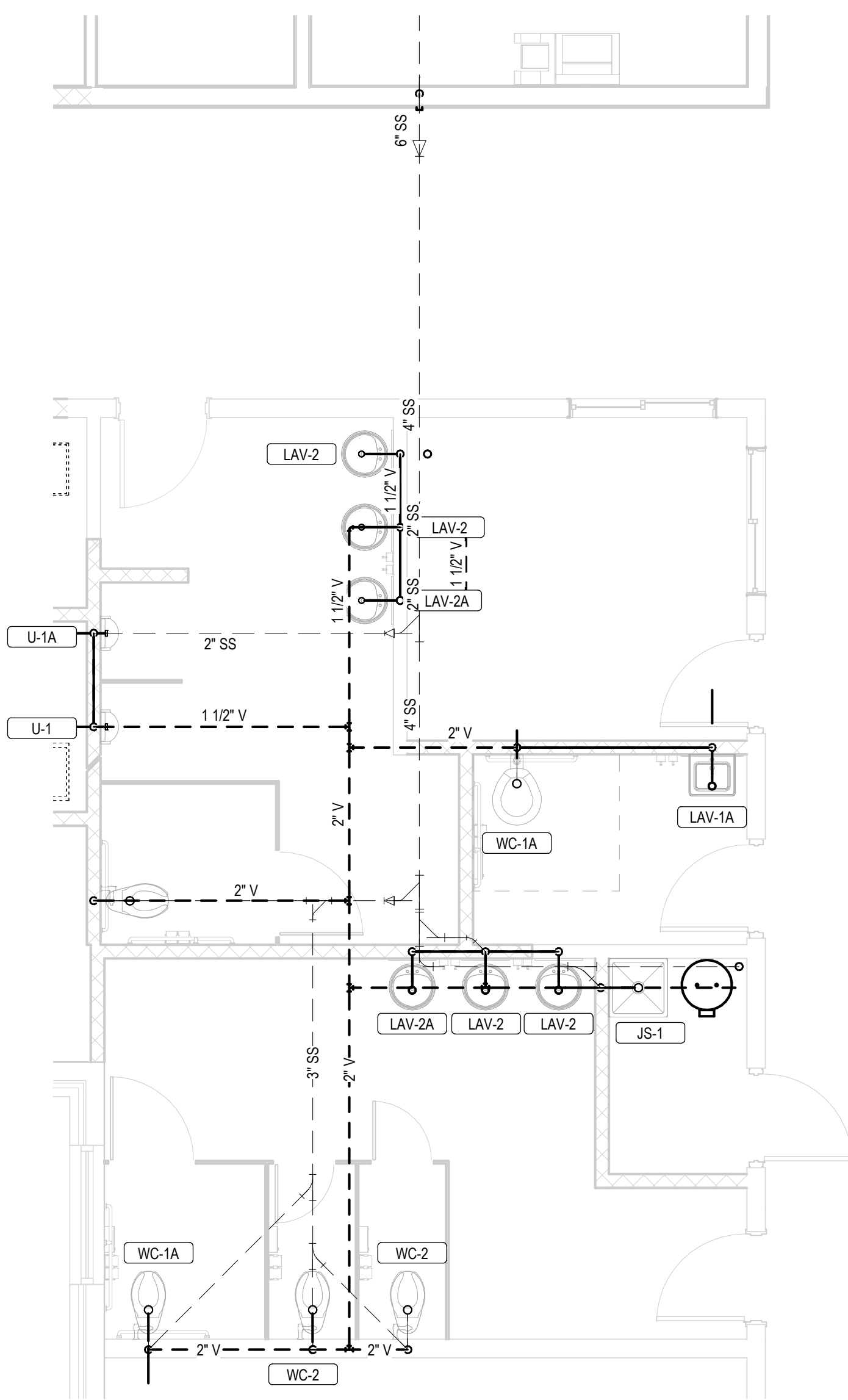
ELECTRIC WATER HEATER SCHEDULE													
ID	MANUFACTURER	MODEL NO.	TYPE	HEATING CAP	ELECTRIC HEAT EXCHANGER			FLA	MCA	MOCP	VOLT	PH	REMARKS
					RECOVERY	VOL	RISE						
WH-1	AO SMITH	DEN-52	STORAGE	5.0 KW	25.0 gal/h	50.0 gal	80 °F	24.0 A	30.0 A	35.0 A	208 V	1	PROVIDE WITH MINIMUM 2.0 GALLON ACCEPTANCE VOLUME EXPANSION TANK
WH-2	AO SMITH	DEN-40	STORAGE	5.0 KW	25.0 gal/h	40.0 gal	80 °F	24.0 A	30.0 A	35.0 A	208 V	1	PROVIDE WITH MINIMUM 2.0 GALLON ACCEPTANCE VOLUME EXPANSION TANK



1 FIRST FLOOR PHASE 1 OVERALL RESTROOMS PLUMBING PLAN
3/32" = 1'-0"



2 FIRST FLOOR PHASE 1 ENLARGED RESTROOMS DOMESTIC PLUMBING PLAN
1/4" = 1'-0"



3 FIRST FLOOR PHASE 1 ENLARGED RESTROOM WASTE AND VENT PLUMBING PLAN
1/4" = 1'-0"

If seals absent, do NOT use the drawing for construction.

Renovations of
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Address
Address



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Project Status:	95% REVIEW
Revision No (if any):	Revision Date:
	10/14/2021
Project No:	Current Date:
210063	10/14/2021

Drawing Name:
**FIRST FLOOR PHASE 1
RESTROOM PLUMBING
PLAN**

Drawing No:
P1-02

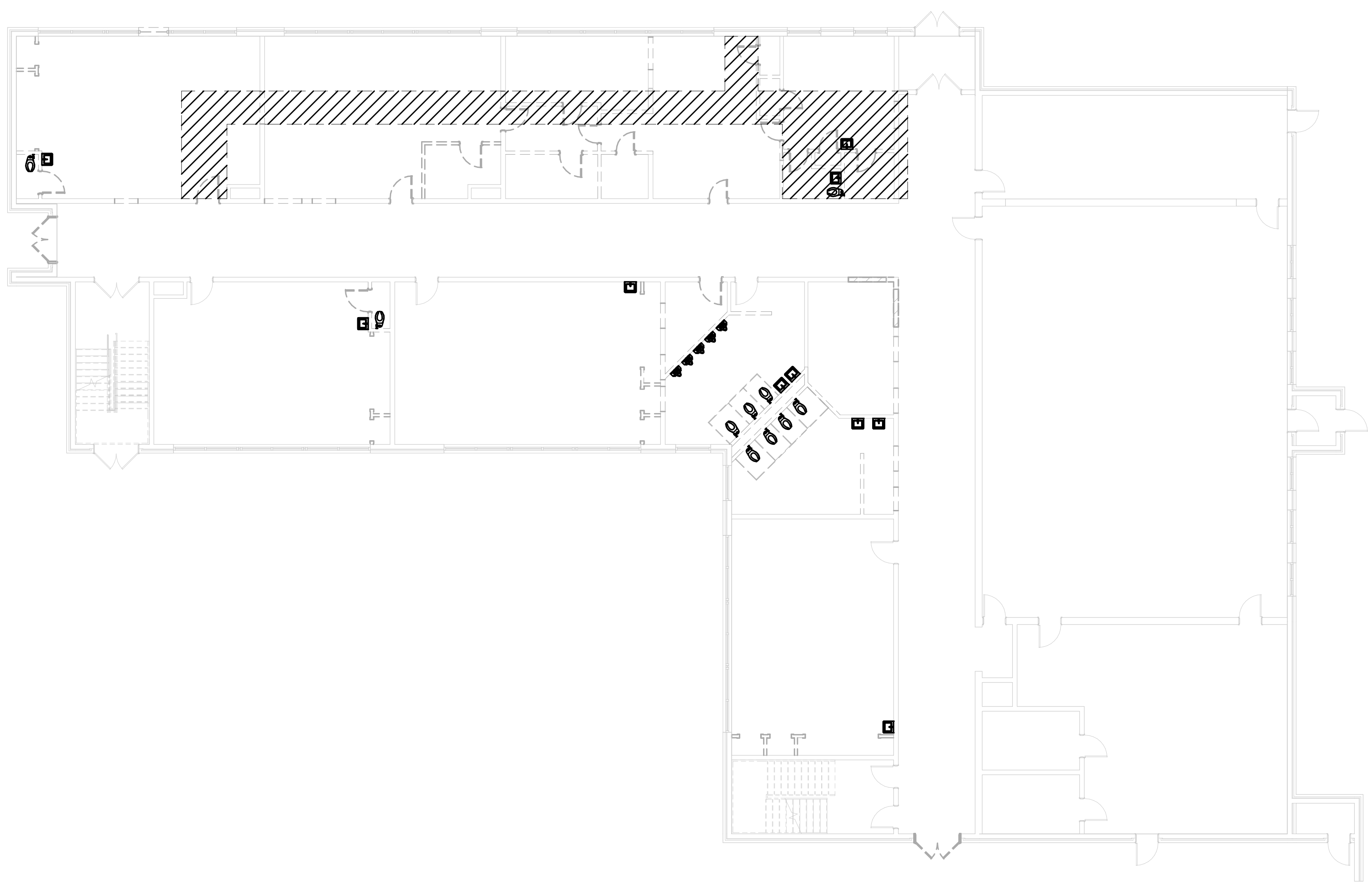


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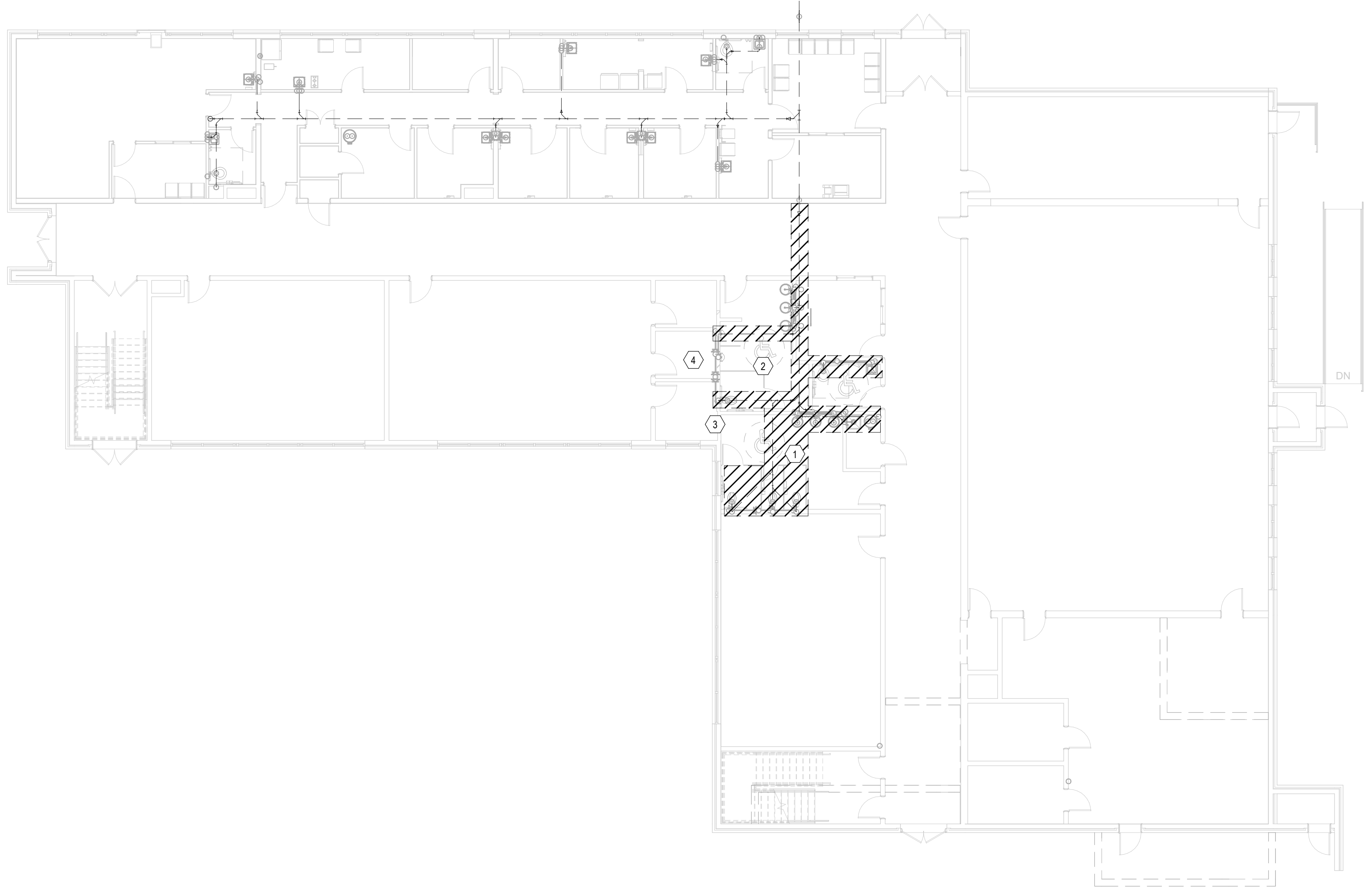
Seal

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1 LEVEL 1 PLUMBING DEMOLITION PLAN
3/32" = 1'-0"



2 LEVEL 1 PLUMBING DEMOLITION PLAN
3/32" = 1'-0"



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Revision No (if any): Revision Date: 10/14/2021
Project No: 210063 Current Date: 10/14/2021
Drawing Name:

FIRST FLOOR PLUMBING
DEMOLITION PHASING PLAN

PD1-01

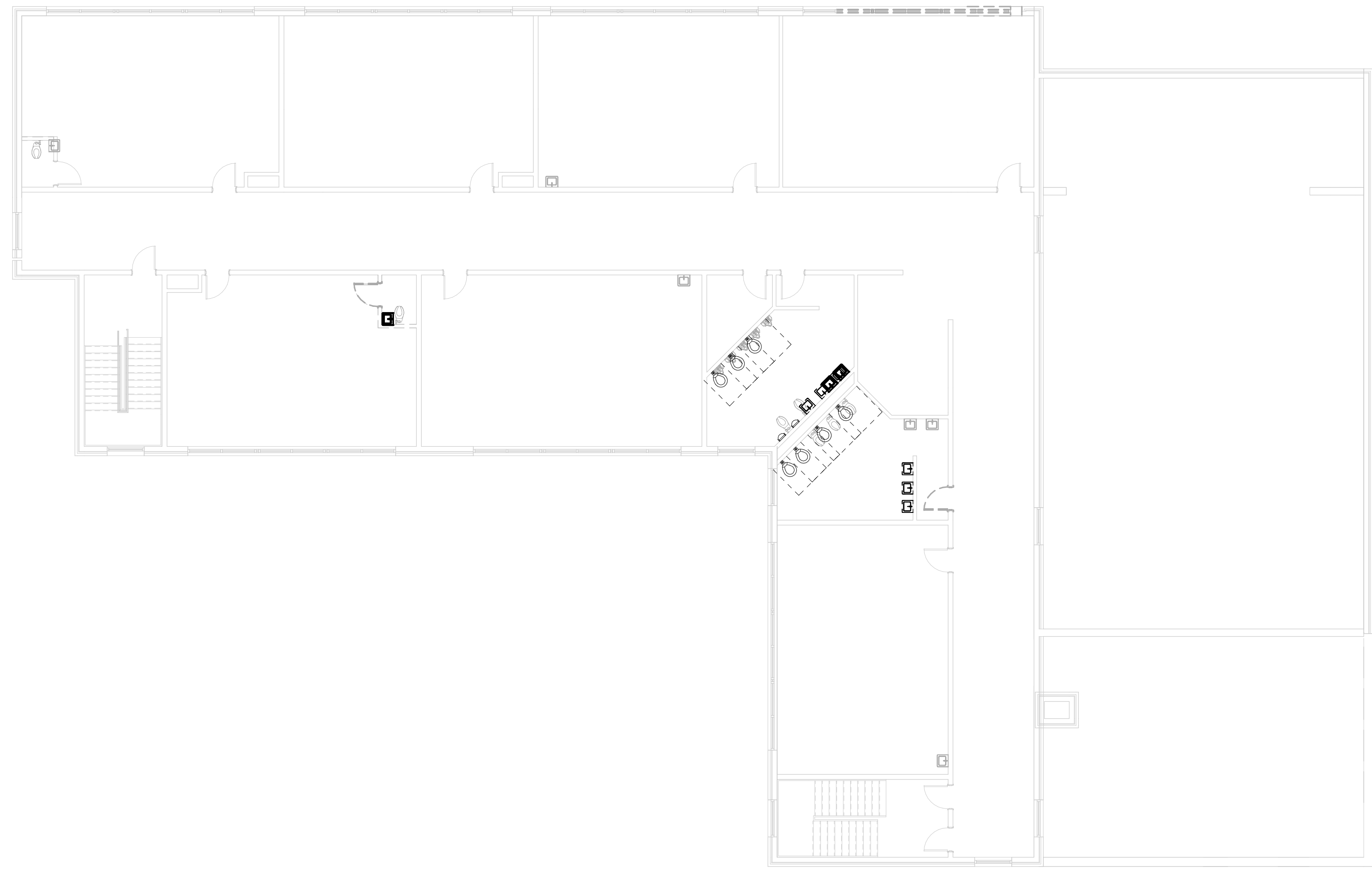
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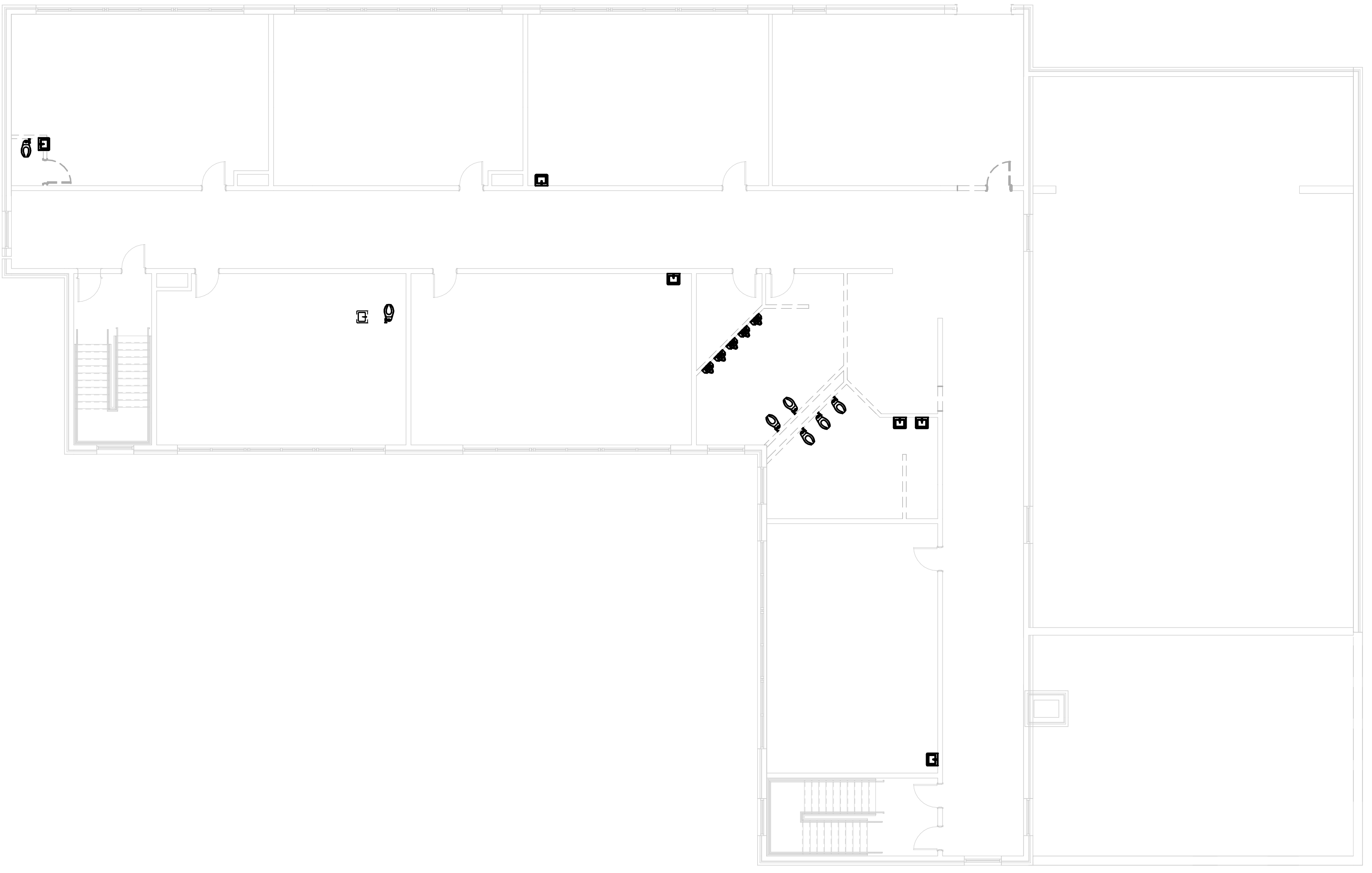
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Seal

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drawing for
construction.



1 LEVEL 2 PLUMBING DEMOLITION PLAN
PD1-02 / 3/32" = 1'-0"



2 LEVEL 2 PLUMBING DEMOLITION PLAN
PD1-02 / 3/32" = 1'-0"

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Project Status:	95% REVIEW
Revision No (if any):	Revision Date:
	10/14/2021
Project No:	Current Date:
210063	10/14/2021
Drawing Name:	

SECOND FLOOR PLUMBING
DEMOLITION PHASING PLAN
Drawing No: PD1-02

Baywood

Electrical & Fire Alarm Plans



Sheet:
If seal is absent, do NOT use this drawing for construction.

ELECTRICAL SPECIFICATIONS:

PART ONE - GENERAL

The Electrical Contractor shall provide all labor, materials, and equipment, and perform all operations necessary for the installation of complete electrical work to meet the intent of, and as indicated on the drawings. Specific items and materials may or may not be addressed in specifications and drawings.

ELECTRICAL CONTRACTOR QUALIFICATIONS: Bidding electrical contractors must have sufficient general knowledge and experience to anticipate the needs of construction of this nature. The Electrical Contractor shall furnish all items required to complete the construction in accordance with reasonable interpretation of the intent of the drawings and specifications.

CODE REQUIREMENTS: All work shall be in accordance with the current State Building Code, local codes, NFPA, Current NEC and all other applicable codes and requirements of the local inspector. These code standards are not acceptable alternatives to reduce the standards or requirements outlined in these plans and specifications. All applicable "OSHA" regulations must be followed while performing this work.

NOTICE TO BIDDERS: Instructions to Bidders, Contract documents, and drawings are all parts of these specifications. The Electrical Contractor shall visit the site to familiarize themselves with existing conditions and the area in which the work is to be performed. The Electrical Contractor shall satisfy himself regarding subsoil conditions for excavations prior to making a proposal. The Electrical Contractor shall review and coordinate electrical service delivery with the electric utility. The Electrical Contractor must include in his bid the fees associated with temporary electrical service and permanent electrical and telephone service installation. This includes any fees to extend electrical and telephone service to the location of this project. Electrical Contractor must also review architectural, mechanical, plumbing, and civil drawings for electrical coordination.

ELECTRICAL PERMITS: Any permits, fees, inspection, and/or test charges required for the electrical work shall be secured and paid for by the Electrical Contractor.

SUBMITTALS: The Contractor shall submit (6) copies of shop drawings or submittal data on the luminaries and the panel board. Submittals shall be checked by the Electrical Contractor for conformance to the plans and specifications prior to being forwarded to the Engineer, and shall bear evidence of said review. Manufacturers and models shown in the schedules are intended to establish a standard of performance, appearance, and quality. Any substitutions must meet these standards and be approved by the engineer before installation. All equipment and materials shall be installed in accordance with the recommendations of the manufacturer. Any indications in plans or specifications to the contrary shall be clarified with the Engineer, and any additional cost resulting from a substitution of equipment or material or from a manufacturer's installation requirement shall be paid for by the Electrical Contractor.

DRAWINGS: The drawings are diagrammatic only and are not intended to show minor details and exact locations. Locations of pipes, electrical switches, panels, equipment, luminaries, etc. shall be adjusted to accommodate the work to interferences anticipated and encountered. Equipment whose elevations cannot be changed shall have the right-of-way.

POWER WIRING: The Electrical Contractor shall provide all power wiring including disconnects, overload starters, fuses, breakers, line voltage control wiring, and final connections to the various electrical equipment. The HVAC Contractor shall be responsible for all controls, interlocks, low voltage control wiring and conduit for the HVAC equipment. All disconnects are to be fusible. Mechanical and plumbing contractors to provide single point of connection.

COORDINATION: The Electrical Contractor shall review drawings, specifications, and shop drawings provided by other trades to see if there are any conflicts. If conflicts are determined, then contact the architect/engineer for instructions.

WORKMANSHIP: Exposed work shall be square and plumb with adjacent surfaces and lines shall be neat and uniform in appearance. Conduit, junction boxes, and outlet boxes for switches and receptacles shall be recessed and not exposed. Properly protect work against damage by weather and other trades. Damaged surfaces shall be restored to original condition. Debris produced from this work shall be removed daily from premises. All exposed electrical conduit and equipment in finished areas shall be painted to match adjacent finishes. Touch up scratched or marred surfaces of panelboards, protective devices and similar electrical apparatus prior to applying finish coats of paint to equipment. All material, whether exposed or concealed, shall be firmly and adequately held in place. Make all connections tight and recheck all panel tags just prior to final inspection.

SUPPORT: Support and fasten all conduits, equipment, etc. securely in place. Secure and adjust hangers and supports to keep conduits in alignment, to carry the weight of the conduits without deflection or sag. Inserts in masonry shall be lead or plastic types install in drilled holes. Wooden plugs, chains, straps, or wire hangers are prohibited. Provide steel supports, frames, bracing, etc., incidental to this scope of work. Refer to 2017 NEC for further direction.

CUTTING/REPAIR: The Electrical Contractor shall provide all cutting and repairing of walls, floors, and ceiling necessary for the installation of work. Set sleeves for conduit as building construction progresses. Exterior walls shall not be pierced. Any cutting of structural members or finished work shall be approved by architect/structural engineer. Any piping, ductwork, conduits, etc., damaged in any way, by this contractor shall be repaired or replaced at no additional expense to the owner.

IDENTIFICATION: All equipment installed under this contract shall be identified with an engraved laminated phenolic plastic nameplate, white core, and black surface, screwed in place. All generator equipment installed under this contract shall be identified with an engraved laminated phenolic plastic nameplate, white core, and red surface, screwed in place. Labels created by a device similar to a "tapewriter" are not acceptable. All wiring shall be marked with Brady Self-Sticking wire markers. All wiring shall be color coded with no exceptions. Conductors no. 4 and larger may be identified with 3" (minimum) bands of proper color plastic tape near each termination.

FINAL COMPLETION: Upon completion of the work, demonstrate the installation make such tests as may be required to satisfy the architect/engineer and owner that work is installed in accordance with the drawings, specifications, and instructions. Provide a certificate of inspection from the local or state authorities having jurisdiction over the work.

WARRANTY: All equipment and workmanship shall be guaranteed for a period of one year from the date of acceptance. Faulty workmanship and defective materials shall be corrected immediately.

PART TWO - MATERIALS AND EQUIPMENT

All materials and equipment shall be new and of the highest quality in the class specified except for owner supplied equipment. All materials and equipment shall be listed and labeled as required by Where trade names are mentioned they are given as a reference to the quality and performance of the apparatus required. Other brands may be used if approved in writing by the Engineer and if their construction, performance, and efficiency is equal to that specified. The contractor shall submit a complete list of any proposed alternate materials and equipment for use in this project to the Engineer within 10 days following the award of the contract. If such a list is not submitted, the Electrical Contractor shall supply the materials and equipment as specified or (if not specified) as directed by the engineer.

CONDUIT: Conduits run underground or in poured concrete shall be galvanized rigid steel conduit or Schedule 40 PVC. Exposed PVC conduit shall not be permitted. Sleeves and openings shall be provided as required to accommodate passage of conduits, etc. to be installed. Sleeve shall be no. 16 galvanized sheet steel, rigidly supported. Provide all hangers required to support conduits, pull boxes, etc. Supports improperly installed shall be removed and replaced at no additional expense to the owner. Refer to 2017 NEC for further direction.

CONDUCTORS: Conductors may be copper or aluminum, size as indicated on the drawings; minimum size no. 12 AWG, color coded; Type THHN for branch circuits, Type THW or THHN/THWN for feeders; Type USE for underground service conductors. No. 12 wire and smaller shall be solid; No. 8 and larger wire shall be stranded (no exceptions). All conductors rated 50A or less shall be copper. All conductors, with the exception of control wiring and switch legs, shall be No. 12 or larger. Switch legs may be No. 14.

WIRING METHODS: Type MC and EMT are allowed wiring methods.

PANELBOARDS: Panelboards shall be dead front, safety type, and shall be the thermal magnetic circuit breaker type. Refer to the panel schedule in the drawing for the number of branch circuits, ampere ratings, number of poles, main breakers, etc. Circuits shall be connected to the panel as indicated in the panel schedule. Provide solderless type connectors on main and load side of branch circuits. Provide a circuit directory card indicating device and areas on each circuit. Panelboard shall be equivalent to Square D type "NQOD" rated at the voltage specified in the panel schedule.

SAFETY SWITCHES: Safety switches shall be heavy-duty type, fusible, horsepower rated, 250 volts, quick-break mechanism, listed and labeled per 2017 NEC.

FUSES: Fuses shall be standard 2017 NEC cartridge type, dual element, equivalent to Fusetron. All fuses are to be sized according to manufacturer's recommendations.

OUTLET, JUNCTION AND PULL BOXES: Outlet boxes shall be sized in accordance with the 2017 NEC. Plastic boxes are not acceptable.

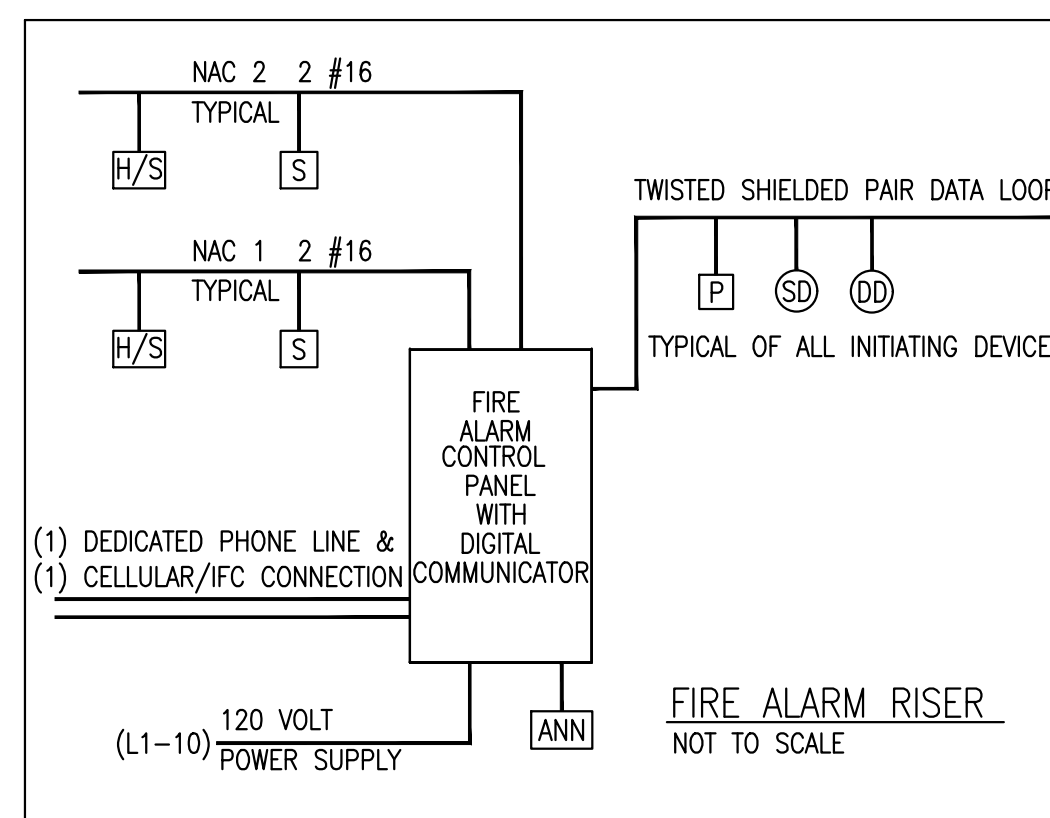
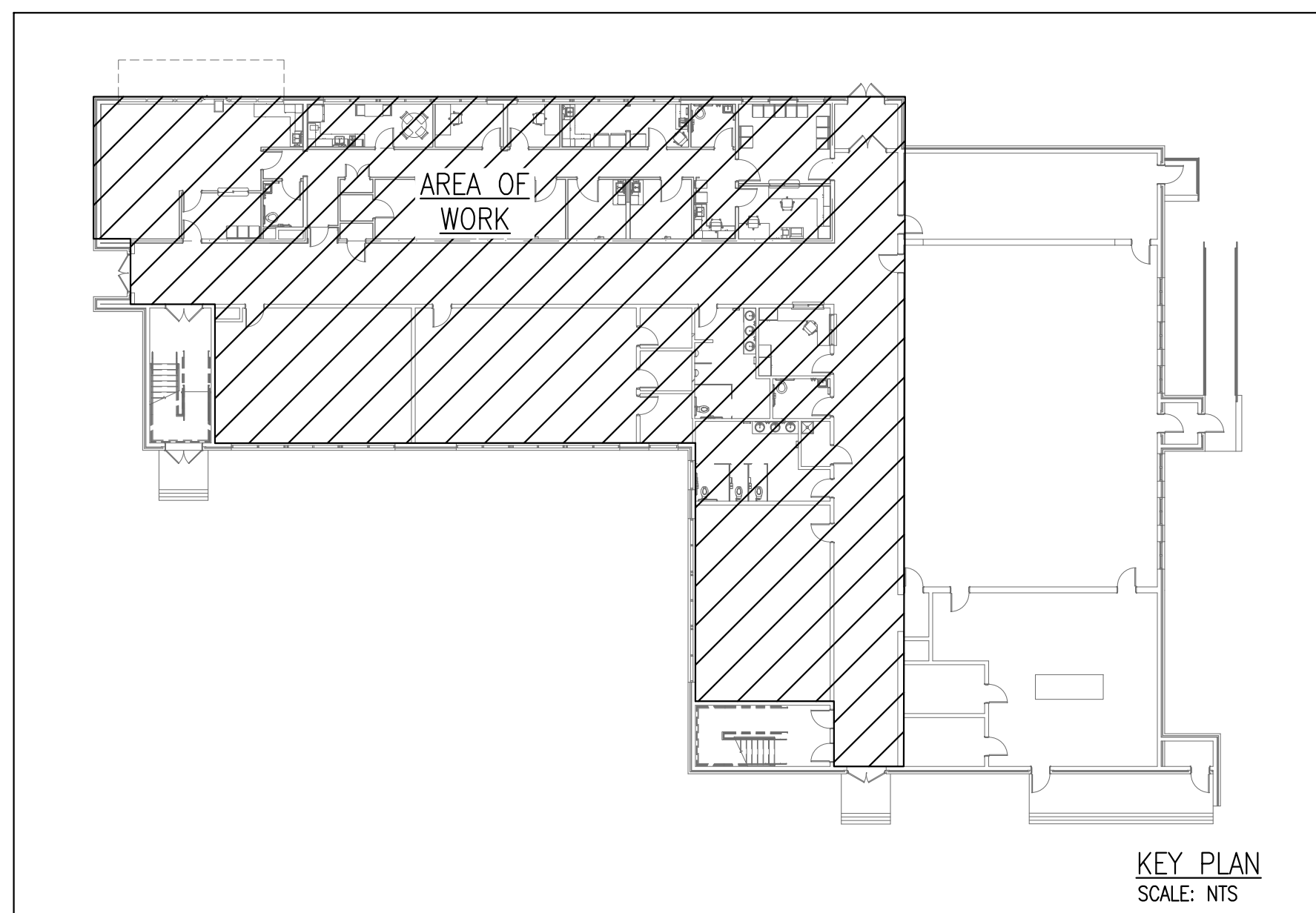
TOGGLE SWITCHES: Toggle switches shall be rated 20 Amps, 120/277 Volts, listed and labeled per 2017 NEC, verify color with owner.

RECEPTACLES: Receptacles shall be grounding type with grounding connection through extra pole permanently connected to panelboard ground bus via green conductor, listed and labeled per 2017 NEC, verify color with owner. Other colors may be substituted for special outlets that are not normally visible or as otherwise noted on plans.

LIGHTING: The lighting system shall be provided complete, including all luminaries, lamps, supporting members, hangers, etc. All light fixture must be independently supported from the building structure. Refer to the drawings for luminaire type, description, and performance specification. All related parts required for a complete installation shall be provided whether or not specifically mentioned.

LIGHTING CONTROLS: Electrical Contractor to provide complete system and ensure proper operation.

ARC-FLASH: Electrical Contractor is to provide Arc-Flash Analysis/Report prepared by VA licensed engineer and label all new electrical panels. Service entrance to be labeled with available fault current.



ELECTRICAL NOTES:

- ELECTRICAL CONTRACTOR MUST VERIFY AVAILABLE FAULT CURRENT WITH LOCAL POWER COMPANY TO ENSURE PROPER SIZING OF EQUIPMENT.
- ALL RECEPTACLES WITHIN 6 FT OF SINK MUST BE GROUND FAULT CIRCUIT INTERRUPT PROTECTED.
- WHERE ELECTRICAL WORK PENETRATES FIRE RATED BARRIERS (WALLS, FLOORS AND CEILINGS) SEAL OPENING AROUND ELECTRICAL WORK WITH U.L. LISTED FIRE STOPPING MATERIAL TO MAINTAIN THE FIRE RATING OF THE BARRIER.
- RECEPTACLES OR OTHER DEVICES THAT MUST BE RECESSED INTO FIRE RATED PARTITIONS MUST BE OFFSET TO PREVENT A THROUGH PENETRATION.
- MEETING/CONFERENCE ROOMS SHALL COMPLY WITH NEC 2017 SECTION 210.71.
- ELECTRICAL CONTRACTOR IS TO VERIFY ELECTRICAL LOADS, LOCATIONS, DISCONNECTING MEANS, AND REQUIREMENTS WITH MECHANICAL AND PLUMBING CONTRACTORS.
- CONNECT ALL EXIT AND EMERGENCY LIGHTS TO NEAREST UNSWITCHED LIGHTING CIRCUIT IN THE AREA IT SERVES.
- ELECTRICAL CONTRACTOR TO PROVIDE ACCURATE PANEL SCHEDULES AT COMPLETION OF PROJECT, IDENTIFY ROOMS AND DEVICES SERVED.
- LABEL ALL DEVICES WITH CIRCUIT NUMBERS FOR EASE OF MAINTENANCE INCLUDING RECEPTACLES AND LIGHT FIXTURES.
- ELECTRICAL CONTRACTOR IS TO COORDINATE LOCATIONS AND REQUIREMENTS OF ALL TELE/DATA WITH OWNER.
- ELECTRICAL CONTRACTOR IS TO PROVIDE ELECTRICAL CONNECT TO GENERATOR BLOCK HEATER. CONNECT TO CIRCUIT P1-49.
- ELECTRICAL CONTRACTOR IS TO PROVIDE ELECTRICAL CONNECT TO GENERATOR BATTERY CHARGER. CONNECT TO CIRCUIT P1-51.
- ELECTRICAL CONTRACTOR SHALL COORDINATE ALL LIGHT FIXTURE SPECIFICATIONS & ASSOCIATED TRIMS/DRIVERS WITH THE APPLICATION. MODIFY SPECIFICATIONS AS REQUIRED AND OBTAIN OWNER APPROVAL.
- CONTROL SCHEME FOR VACANCY SENSORS IS MANUAL ON/ AUTO OFF WITH MANUAL OVERRIDE SWITCH FOR OFF. COORDINATE TIME-OUT OF OCCUPANCY SENSORS WITH OWNER.
- ELECTRICAL CONTRACTOR IS TO INSTALL MEDICAL FACILITIES GRADE WIRING IN ALL DESIGNATED PATIENT CARE AREAS; CABLE TYPE HFC OR EQUIVALENT SHALL BE USED. METAL CONDUITS SHALL BE 1/2" OR GREATER. WIRE IN CONDUITS SHALL BE CABLE TYPE THHN.
- ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABEL-LISTED BY A VIRGINIA APPROVED THIRD PARTY TESTING AGENCY.
- ELECTRICAL EQUIPMENT, CONDUCTORS AND TERMINATIONS SHALL BE COORDINATED AND COMPLY WITH NEC ARTICLE 110-14(C).
- ALL RECEPTACLES LOCATED OUTDOORS, IN DAMP OR WET LOCATIONS, OR OTHERWISE SUBJECT TO NON-CONTROLLED TEMPERATURE AND HUMIDITY ENVIRONMENT SHALL BE WEATHER RESISTANT GFCI TYPE.
- A 120V, DUPLEX RECEPTACLE SHALL BE INSTALLED WITHIN 25 FT OF ALL HEATING, AIR CONDITIONING, AND REFRIGERATION EQUIPMENT.
- VERIFY LOCATIONS OF ANY AIR RETURN PLENUMS. ELECTRICAL CONTRACTOR IS TO PROVIDE PLENUM-RATED CABLING AND WIRING METHODS IN THESE AREAS.
- PROVIDE AND INSTALL TAMPER-RESISTANT RECEPTACLES IN ALL LOCATION REQUIRED BY NEC SECTION 406.12.

2018 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS ELECTRICAL DESIGN ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance: Energy Code Performance Prescriptive
ASHRAE 90.1 Performance Prescriptive

Lighting schedule (each fixture type)
lamp type required in fixture LED 1
number of lamps in fixture 1
ballast type used in the fixture Driver 1
number of ballasts in fixture 1
total wattage per fixture 21,29.31,32,39,51,63
total interior wattage specified vs allowed 4.4kw/VS-5.2kw
total exterior wattage specified vs allowed N/A/VS-N/A

Additional Efficiency Package Options
(When using the 2018 IECC, not required for ASHRAE 90.1)
 C406.2 More Efficient HVAC Equipment Performance
 C406.3 Reduced Lighting Power Density
 C406.4 Enhanced Digital Lighting Controls
 C406.5 On-Site Renewable Energy
 C406.6 Dedicated Outdoor Air System
 C406.7 Reduced Energy Use in Service Water Heating

DESIGNER STATEMENT:

DESIGNER STATEMENT:

To the best of my knowledge and belief, the design of this building complies with the electrical system and equipment requirements of the IECC.

SIGNED: *J Wade White, Jr.*
NAME: J Wade White, Jr.
TITLE: Electrical Engineer

FIRE ALARM SYSTEMS LEGEND

- [P] PULL STATION
- [SD] SMOKE DETECTOR
- [S] WALL MOUNTED STROBE WITH CANDELA RATING
- [H/S] WALL MOUNTED HORN/STROBE WITH CANDELA RATING
- [FACP] FIRE ALARM PANEL
- [ANN] FIRE ALARM ANNUNCIATOR PANEL

FIRE ALARM WIRING NOTE:

- FIRE ALARM INSTALLER IS TO COORDINATE WITH FIRE MARSHALL ON REQUIRED DOCUMENTATION NEEDED.
- FIRE ALARM INSTALLER TO VERIFY LOCATION OF FIRE ALARM PANEL & ANNUNCIATOR PANEL.
- VERIFY WITH MECHANICAL DRAWINGS FOR DETERMINATION OF UNITS TO RECEIVE DUCT SMOKE DETECTORS. MECHANICAL CONTRACTOR IS TO PROVIDE AND INSTALL IN HVAC UNIT, THEN FIRE ALARM INSTALLER SHOULD WIRE DETECTORS INTO SYSTEM.
- FIRE ALARM STROBE LIGHTS SHALL BE PROVIDED AS REQUIRED BY NFPA 72.

ELECTRICAL & FIRE ALARM SHEET LISTING

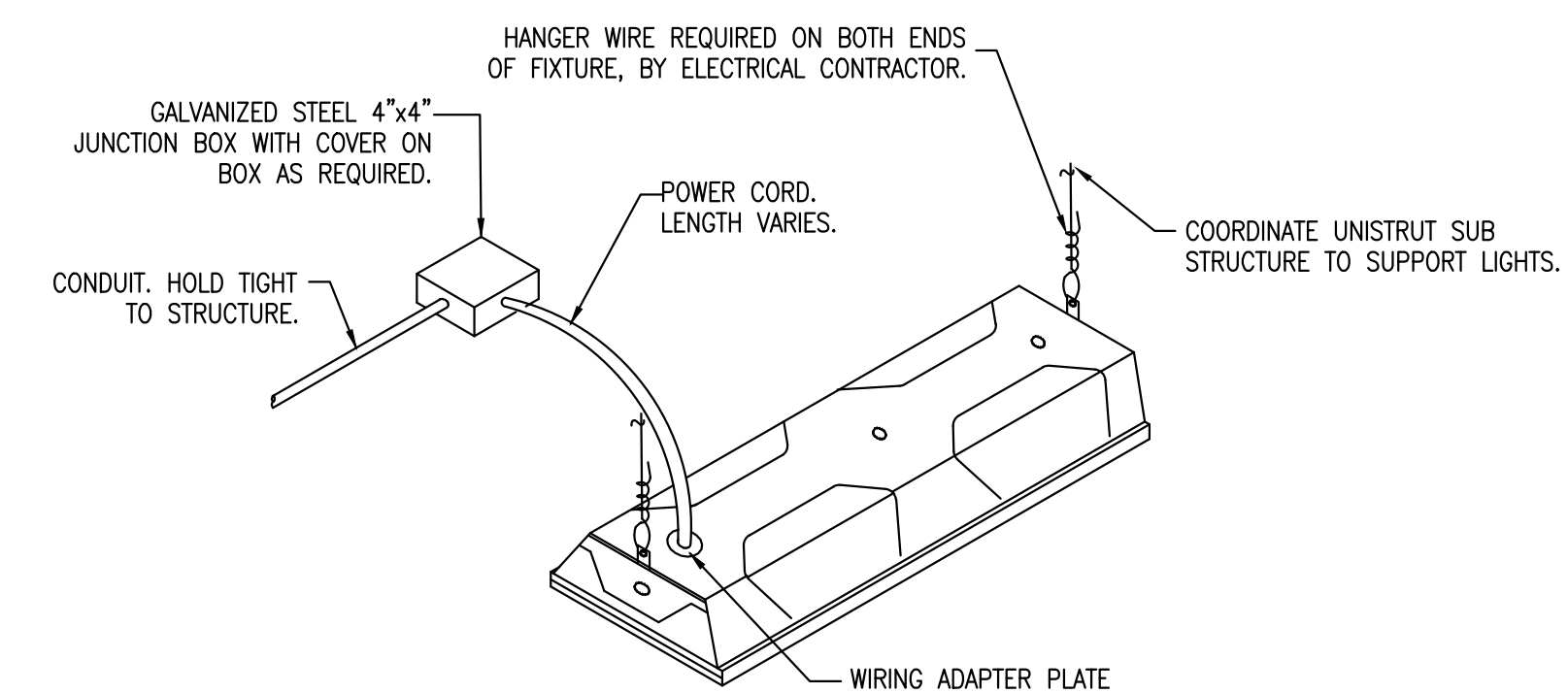
1	E-0.1	ELECTRICAL COVER SHEET
2	E-0.2	ELECTRICAL RISER DIAGRAM & ELECTRICAL SCHEDULES
3	ED-1	ELECTRICAL DEMO PLAN
4	E-1.0	OVERALL LIGHTING PLAN
5	E-1.1	ENLARGED LIGHTING PLANS
6	E-1.2	ENLARGED LIGHTING PLAN
7	E-2.0	OVERALL POWER & FIRE ALARM PLANS
8	E-2.1	ENLARGED POWER & FIRE ALARM PLAN
9	E-2.2	ENLARGED POWER & FIRE ALARM PLANS
10	E-3	ROOF HVAC ELECTRICAL & POWER PLAN

LIGHTING SYMBOLS LEGEND

- [Symbol] 2X2 LAY-IN FLAT PANEL LIGHT FIXTURE
- [Symbol] 2X4 LAY-IN FLAT PANEL LIGHT FIXTURE
- [Symbol] 2X4 LAY-IN FLAT PANEL LIGHT FIXTURE, CONNECTED TO NIGHT LIGHT BRANCH CIRCUIT
- [Symbol] 4' PENDANT MOUNTED LINEAR LED LIGHT FIXTURE
- [Symbol] EXHAUST FAN (BY MC; WIRED BY EC)
- [Symbol] WALL MOUNTED EXIT/EMERGENCY COMBO LIGHT FIXTURE WITH BATTERY BACK UP LED
- [Symbol] CEILING MOUNTED SINGLE-FACED EXIT LIGHT FIXTURE WITH BATTERY BACK UP LED
- [Symbol] CEILING MOUNTED DOUBLE-FACED EXIT LIGHT FIXTURE WITH BATTERY BACK UP LED
- [Symbol] WALL MOUNTED EMERGENCY LIGHT FIXTURE WITH BATTERY BACK UP LED
- [Symbol] WALL MOUNTED EXTERIOR EGRESS EMERGENCY LIGHT FIXTURE BATTERY BACKED UP BY INTERIOR EXIT/EMERGENCY COMBO LED
- [Symbol] 6" RECESSED MOUNTED LED CAN LIGHT FIXTURE
- [Symbol] SINGLE POLE SWITCH
- [Symbol] THREE-WAY SWITCH
- [Symbol] SINGLE POLE DIMMER SWITCH (MATCH DIMMER TO LIGHT SOURCE CONTROLLED)
- [Symbol] THREE-WAY DIMMER SWITCH (MATCH DIMMER TO LIGHT SOURCE CONTROLLED)
- [Symbol] SINGLE POLE/OCCUPANCY SENSOR SWITCH (EQUIVALENT TO SENSOR SWITCH: WSD PDT WH)
- [Symbol] MOTOR RATED SWITCH
- [Symbol] CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR (EQUIVALENT TO SENSOR SWITCH: CM PDT 9)
- [Symbol] (EQUIVALENT TO SENSOR SWITCH POWER PACK: PP20)
- [Symbol] DIGITAL TIME CLOCK (VERIFY LOCATION). INTERMATIC ET279C. (GRANGER 5U787).

POWER SYMBOLS LEGEND

- [Symbol] WALL MOUNTED DUPLEX OUTLET
- [Symbol] WALL MOUNTED GROUND FAULT CIRCUIT INTERRUPT DUPLEX OUTLET
- [Symbol] WALL MOUNTED QUAD OUTLET
- [Symbol] WALL MOUNTED GROUND FAULT CIRCUIT INTERRUPT QUAD OUTLET
- [Symbol] JUNCTION BOX (VERIFY REQUIREMENTS)
- [Symbol] RECESSED WALL MOUNTED DUPLEX OUTLET/TV BOX (EQUIVALENT TO LEGRAND TVM)(VERIFY BOX CONFIGURATION WITH OWNER)
- [Symbol] WALL MOUNTED DATA/VOICE BACKBOX 3/4" STUBBED ABOVE CEILING WITH PULL STRING (VERIFY REQUIREMENTS)
- [Symbol] SAFETY DISCONNECT SWITCH (FUSED AS REQUIRED) (AMPS/VOLTS/POLES/FUSE/NEMA RATING)
- [Symbol] DEDICATED CIRCUIT
- [Symbol] MAF/C
- [Symbol] TR
- [Symbol] WP
- [Symbol] TAMPER-RESISTANT WEATHER PROOF



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Project Status: Working Drawings

Revision No (if any): Revision Date:

Project No: 2021-003 Current Date: 10/14/21

Drawing Name: Electrical Cover Sheet

Drawing No: E-0.1

BECI Project No: 5811

GENERAL DEMOLITION NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT, AND PERFORM ALL OPERATIONS NECESSARY FOR THE DEMOLITION OF EXISTING ELECTRICAL WORK TO MEET THE INTENT OF, AND AS INDICATED ON THE DEMOLITION DRAWINGS. SPECIFIC ITEMS AND MATERIALS MAY OR MAY NOT BE ADDRESSED IN SPECIFICATIONS AND DRAWINGS.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT STATE BUILDING CODE, LOCAL CODES, NFPA, CURRENT NEC AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS OF THE LOCAL INSPECTOR. THESE CODE STANDARDS ARE NOT ACCEPTABLE ALTERNATIVES TO REDUCE THE STANDARDS OR REQUIREMENTS OUTLINED IN THESE PLANS AND SPECIFICATIONS. ALL APPLICABLE "OSHA" REGULATIONS MUST BE FOLLOWED WHILE PERFORMING THIS WORK.
3. BEFORE SUBMITTING BID, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE TO VERIFY/EXAMINE THE EXACT EXTENT OF EXISTING CONDITIONS.
4. THE ELECTRICAL DEMOLITION DRAWINGS ARE BASED ON EXISTING PLANS AND FIELD INVESTIGATION PRIOR TO DEMOLITION. LOCATIONS OF CONCEALED ELECTRICAL CONDUIT AND EQUIPMENT CAN NOT BE VERIFIED.
5. THE ELECTRICAL DEMOLITION DRAWINGS INDICATE THE GENERAL EXTENT OF THE EXISTING ELECTRICAL SYSTEMS TO BE REMOVED OR RELOCATED. ALL COMPONENTS ASSOCIATED WITH SYSTEMS AND EQUIPMENT TO BE REMOVED OR RELOCATED MAY NOT BE SPECIFICALLY INDICATED BUT SHALL BE REMOVED. ASSOCIATED ELECTRICAL COMPONENTS TO BE REMOVED INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING ITEMS: HANGERS, WIRING, CABLING, CONDUIT, BOXES, STARTERS, DISCONNECTS, SWITCHES.
6. DISCONNECT EXISTING TO BE REMOVED OR EXISTING TO BE RELOCATED CONDUIT, WIRING, CABLING, AND EQUIPMENT AS INDICATED ON ELECTRICAL DEMOLITION DRAWINGS. UNUSED CONDUIT AND WIRING SHALL BE REMOVED BACK TO THE SOURCE FOR THE UNUSED SEGMENT. UNLESS SPECIFICALLY INDICATED, NO EQUIPMENT, MATERIALS OR ASSOCIATED COMPONENTS SHALL BE ABANDONED IN PLACE.
7. EXERCISE EXTREME CARE WHEN WORKING AROUND EXISTING WORK TO REMAIN. ANY DAMAGE TO EXISTING TO REMAIN OR EXISTING TO BE RELOCATED MATERIALS AND EQUIPMENT SHALL BE CORRECTED OR REPLACED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
8. WHERE EXISTING FLOORS, WALLS AND ROOFS MUST BE CUT OR ARE DAMAGED DURING REMOVAL OR RELOCATION OF ELECTRICAL WORK, PATCH THE CUT OR DAMAGED AREAS TO MATCH ADJACENT CONSTRUCTION.
9. ELECTRICAL SYSTEMS ASSOCIATED WITH OCCUPIED PORTIONS OF THE BUILDING SHALL BE KEPT IN OPERATION AS MUCH AS POSSIBLE. WHEN REQUIRED, OUTAGES SHALL BE SCHEDULED AND APPROVED IN ADVANCE BY THE OWNER. OUTAGE DURATION SHALL BE KEPT TO A MINIMUM. WHERE NECESSARY, PROVIDE TEMPORARY CONNECTIONS AS REQUIRED TO MAINTAIN SERVICE.
10. THE CONTINUITY OF ALL EXISTING CONDUITS AND FEEDERS SERVICING AREAS TO REMAIN SHALL BE MAINTAINED. MODIFY THE EXISTING CIRCUITS IF REQUIRED IN ORDER TO MAINTAIN THE EXISTING CIRCUITRY.
11. ALL ABANDONED CIRCUITRY, ELECTRICAL BOXES, AND CONDUIT SHALL BE DEMOLISHED.

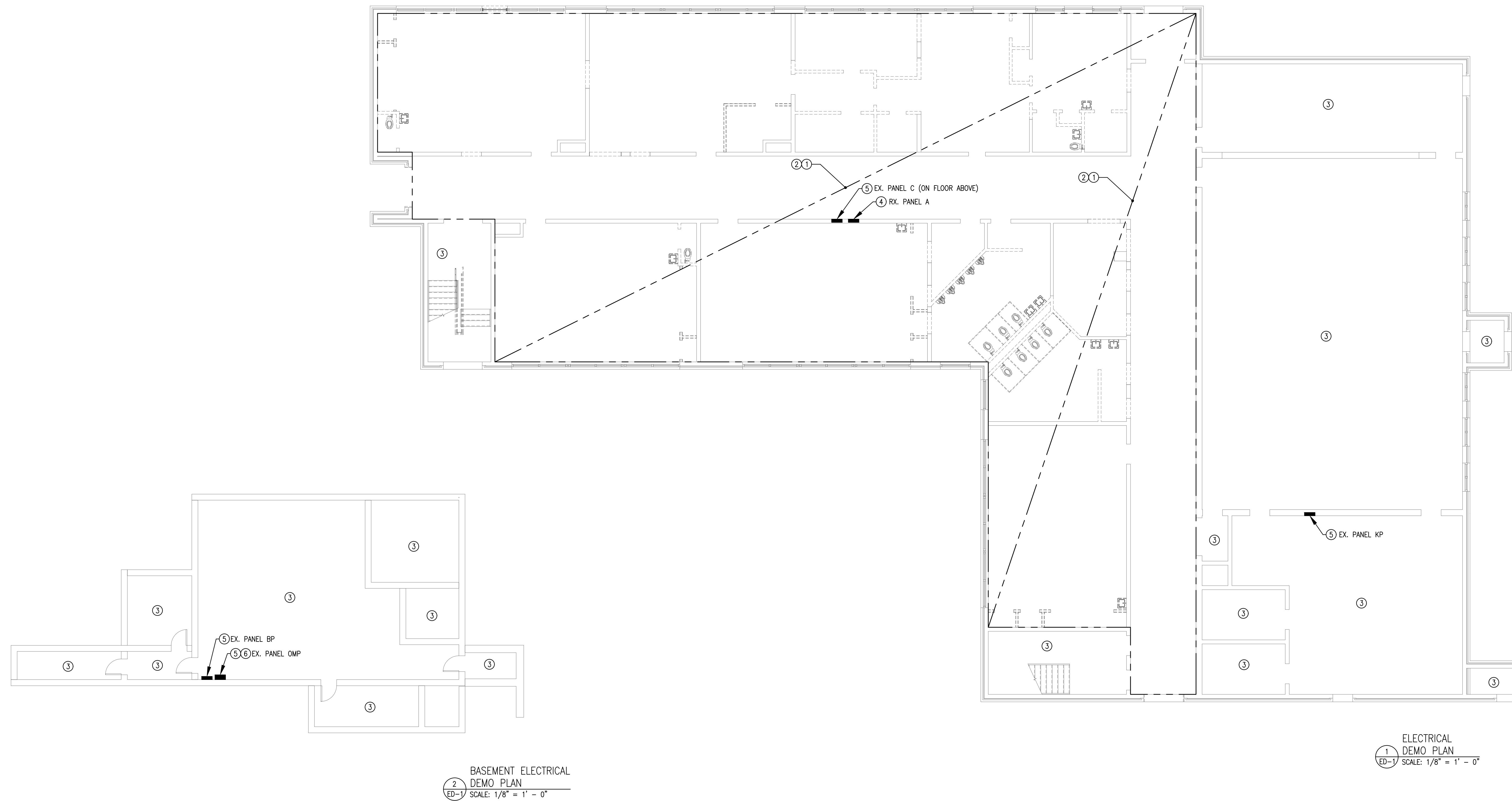
ELECTRICAL DEMO KEYED NOTES:

1. UNLESS OTHERWISE INDICATED, REMOVE ALL EXISTING EXIT SIGNS, EMERGENCY LIGHTING FIXTURES, LIGHTING FIXTURES, & ASSOCIATED CONTROLS IN THIS SPACE.
2. UNLESS OTHERWISE INDICATED, REMOVE ALL EXISTING RECEPTACLES, EQUIPMENT CONNECTIONS, AND DATA OUTLETS IN THIS SPACE.
3. UNLESS OTHERWISE INDICATED, ALL ELECTRICAL DEVICES ARE EXISTING TO REMAIN IN THIS ROOM.
4. EXISTING PANEL A TO BE DEMOLISHED. REFER TO DEMO ELECTRICAL RISER DIAGRAM FOR ADDITIONAL INFORMATION.
5. EXISTING PANEL TO REMAIN.
6. DEMOLISH EXISTING SERVICE ENTRANCE FEEDER SERVING EXISTING PANEL OMP. REMOVE GROUNDING ELECTRODE CONDUCTOR CONNECT TO EXISTING GROUNDING ELECTRODE. REMOVE NEUTRAL-GROUND BONDING JUMPER. REFER TO DEMO ELECTRICAL RISER DIAGRAM FOR ADDITIONAL INFORMATION.



Seal:

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Renovations of
**Baywood
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Project Status	
Working Drawings	
Revision No. (if any):	Revision Date:
Project No: 2021-003	Current Date: 10/14/21
Drawing Name:	

Electrical Demo Plan

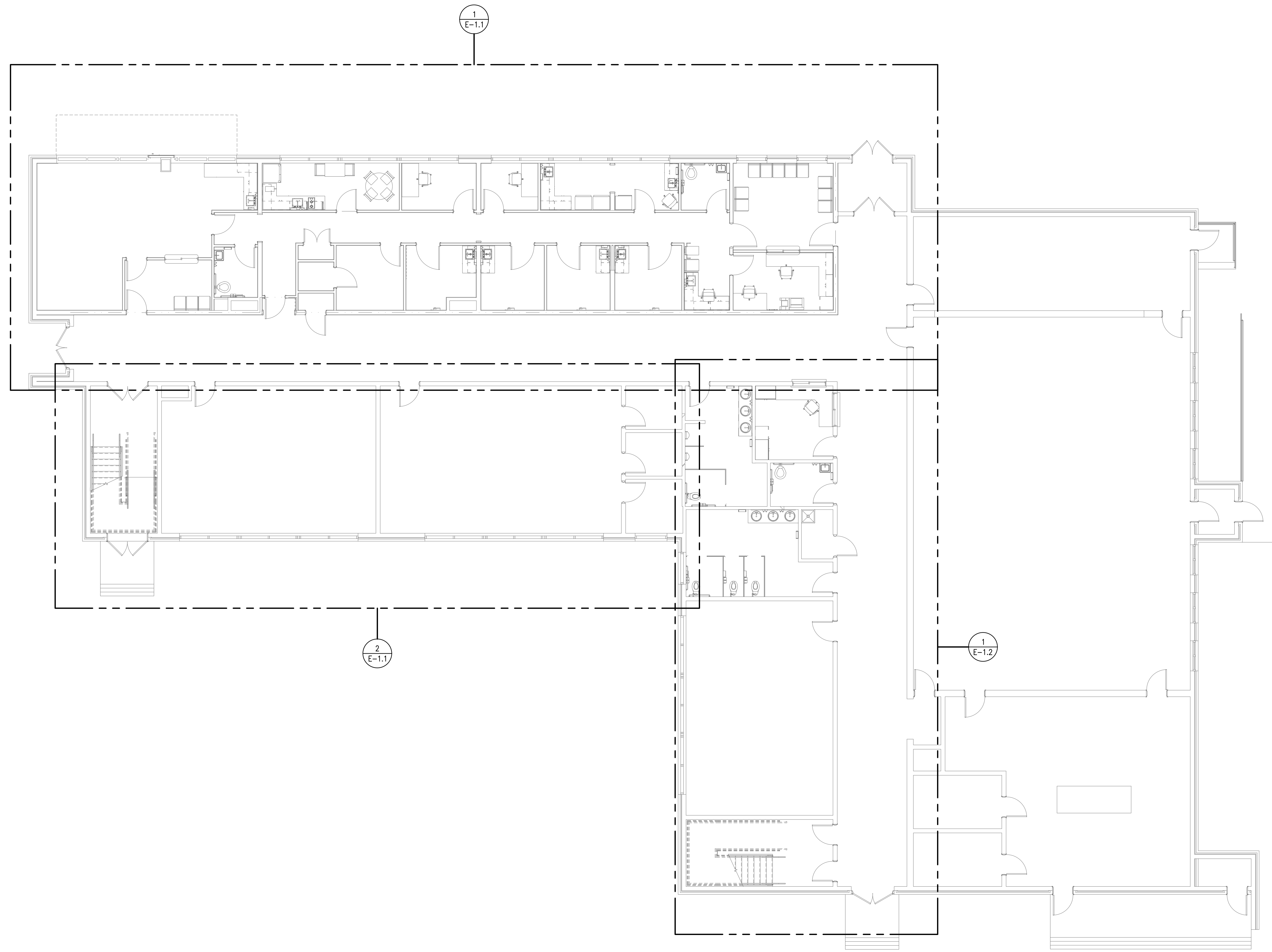
ED-1
BECI Project No: 5811



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OVERALL LIGHTING PLAN
 1 E-1.0 SCALE: 1/8" = 1' - 0"

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Project Status: **Working Drawings**

Revision No. (if any): Revision Date:

Project No: Current Date: **10/14/21**

Drawing Name:

Overall Lighting Plan

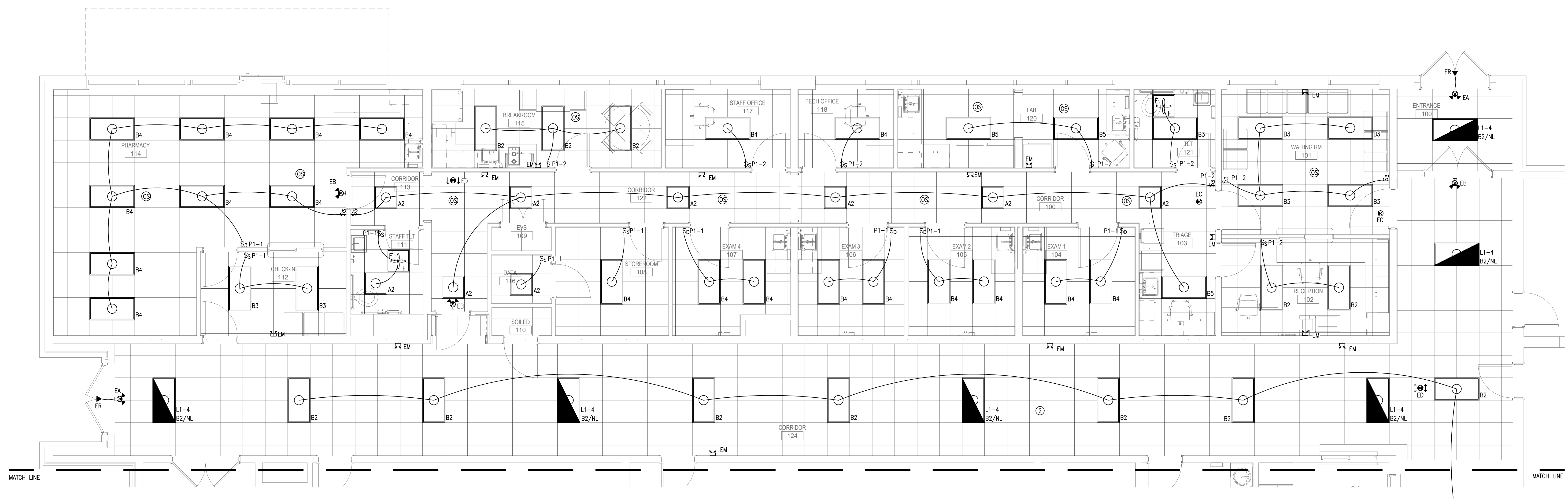
Drawing No: **E-1.0**

BECI Project No: S811

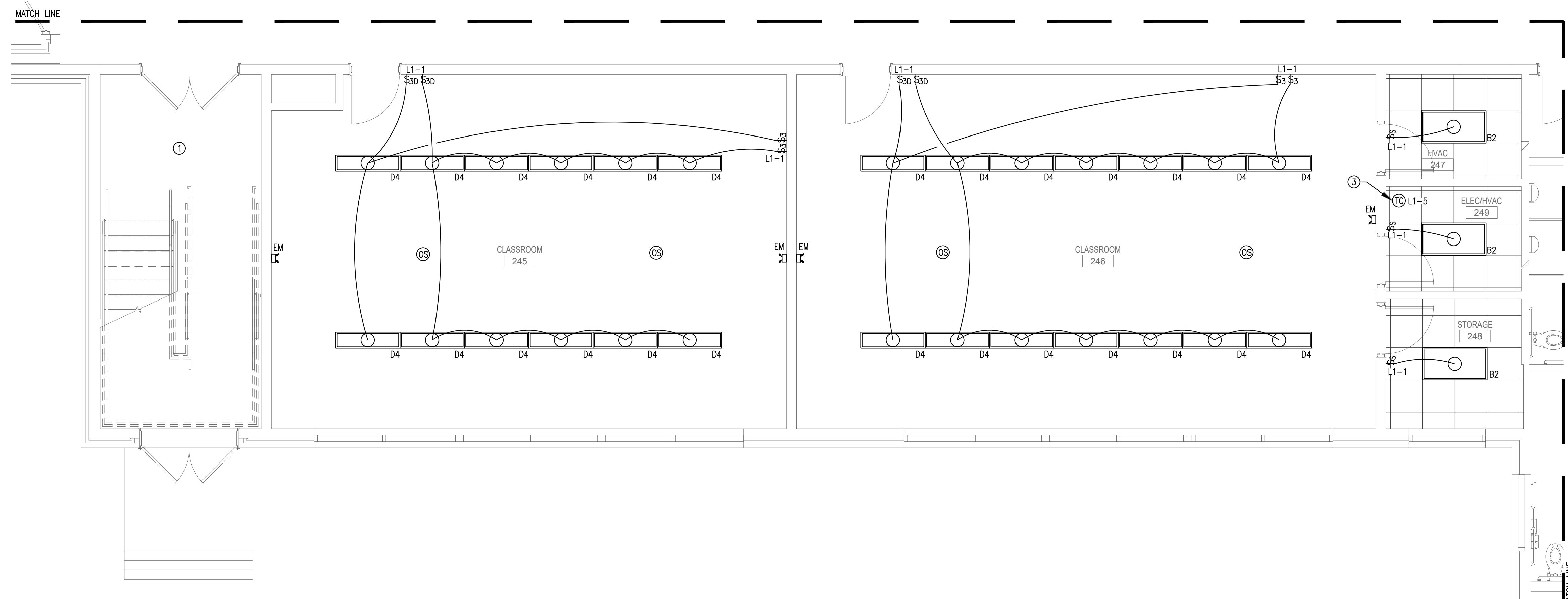
Seal:

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- ELECTRICAL KEYED NOTES:**
- UNLESS OTHERWISE INDICATED, ALL ELECTRICAL DEVICES ARE EXISTING TO REMAIN IN THIS ROOM.
 - CORRIDOR LIGHTING FIXTURES ARE CONTROLLED VIA DIGITAL TIME CLOCK LOCATED IN STORAGE 249 AND SINGLE POLE SWITCH IN RECEPTION 201.
 - VERIFY EXACT LOCATION OF DIGITAL TIME CLOCK IN FIELD.



ENLARGED
EXIT, EMERGENCY,
& LIGHTING PLAN
①
E-1.1 SCALE: 1/4" = 1' - 0"



ENLARGED
EXIT, EMERGENCY,
& LIGHTING PLAN
②
E-1.1 SCALE: 1/4" = 1' - 0"

Renovations of
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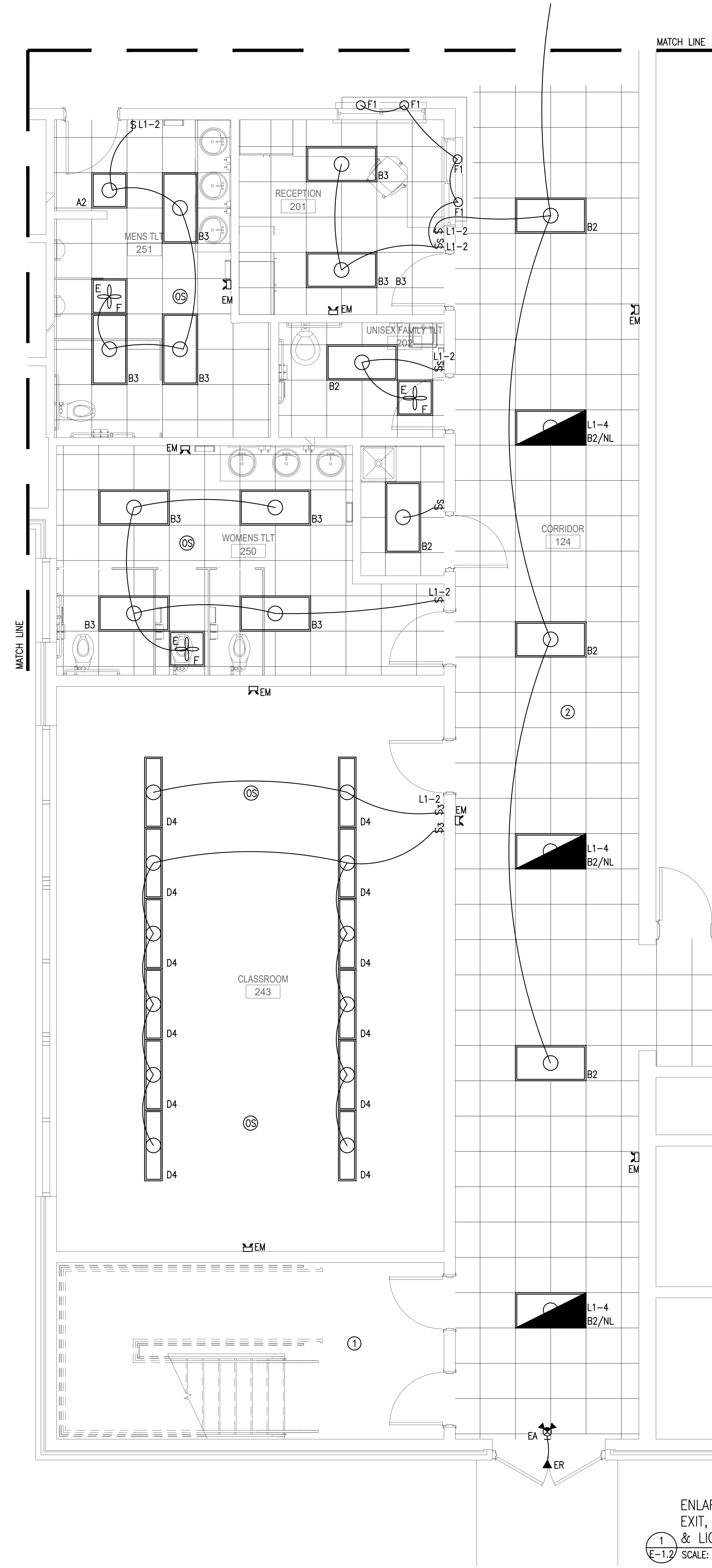
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Project Status: **Working Drawings**

Revision No (if any):	Revision Date:
Project No: 2021-003	Current Date: 10/14/21
Drawing Name:	

Enlarged Lighting Plans
Drawing No: **E-1.1**
BECI Project No: 5811

- ELECTRICAL KEYED NOTES:**
1. UNLESS OTHERWISE INDICATED, ALL ELECTRICAL DEVICES ARE EXISTING TO REMAIN IN THIS ROOM.
 2. CORRIDOR LIGHTING FIXTURES ARE CONTROLLED VIA DIGITAL TIME CLOCK LOCATED IN STORAGE 249 AND SINGLE POLE SWITCH IN RECEPTION 201.



ENLARGED
EXIT, EMERGENCY,
& LIGHTING PLAN
①
E-1.2 SCALE: 1/4" = 1' - 0"



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Project Status	
Working Drawings	
Revision No (if any):	Revision Date:
Project No: 2021-003	Current Date: 10/14/21
Drawing Name:	

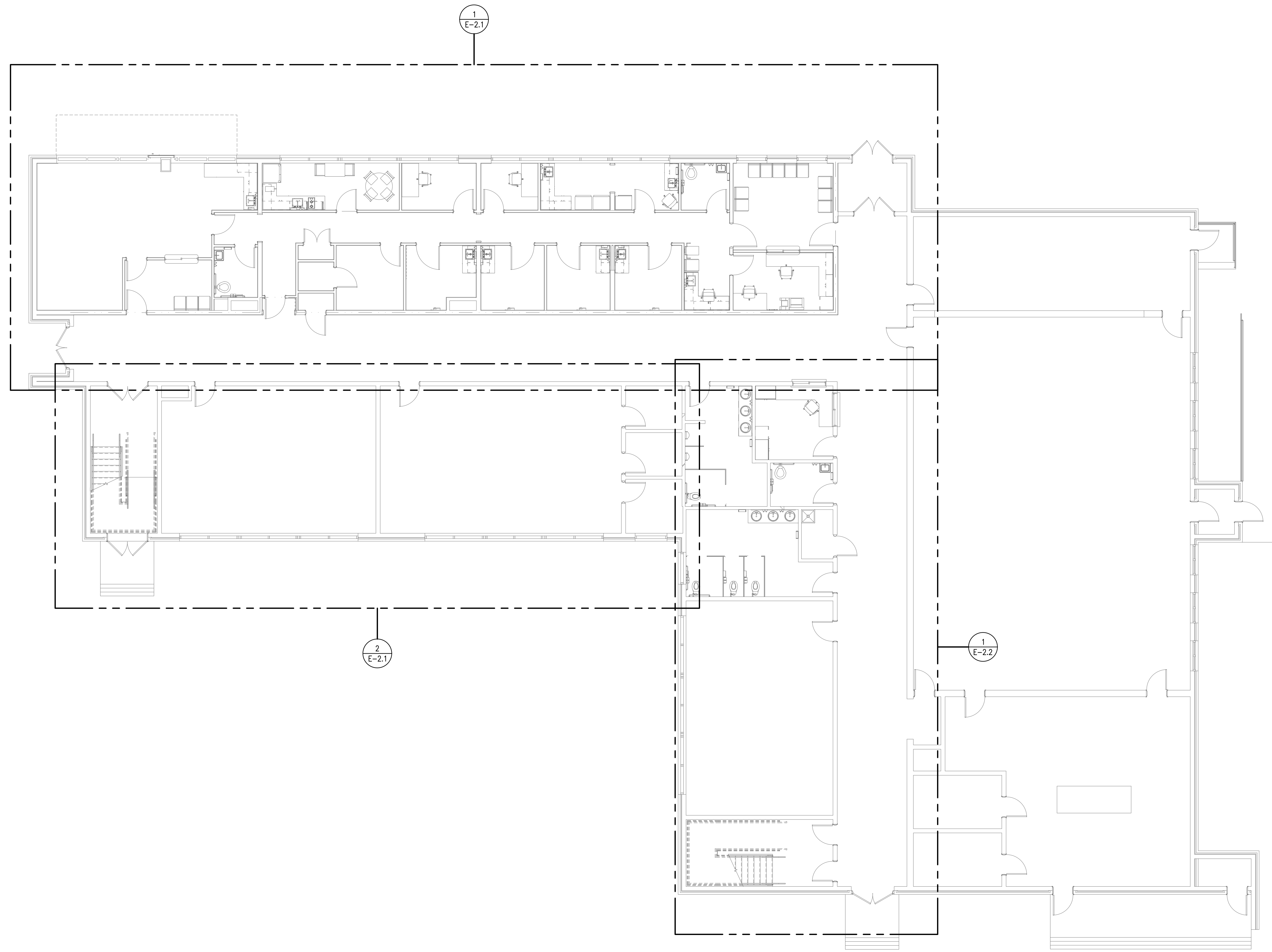
Enlarged Lighting Plan
Drawing No:
E-1.2
BECI Project No: 5811



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OVERALL
 POWER & FIRE
 ALARM PLAN
 1 E-2.0 SCALE: 1/8" = 1' - 0"

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Project Status: **Working Drawings**

Revision No. (if any): Revision Date:

Project No: Current Date: **10/14/21**

Drawing Name:

Overall Power & Fire Alarm Plan

Drawing No:

E-2.0

BECI Project No: S811

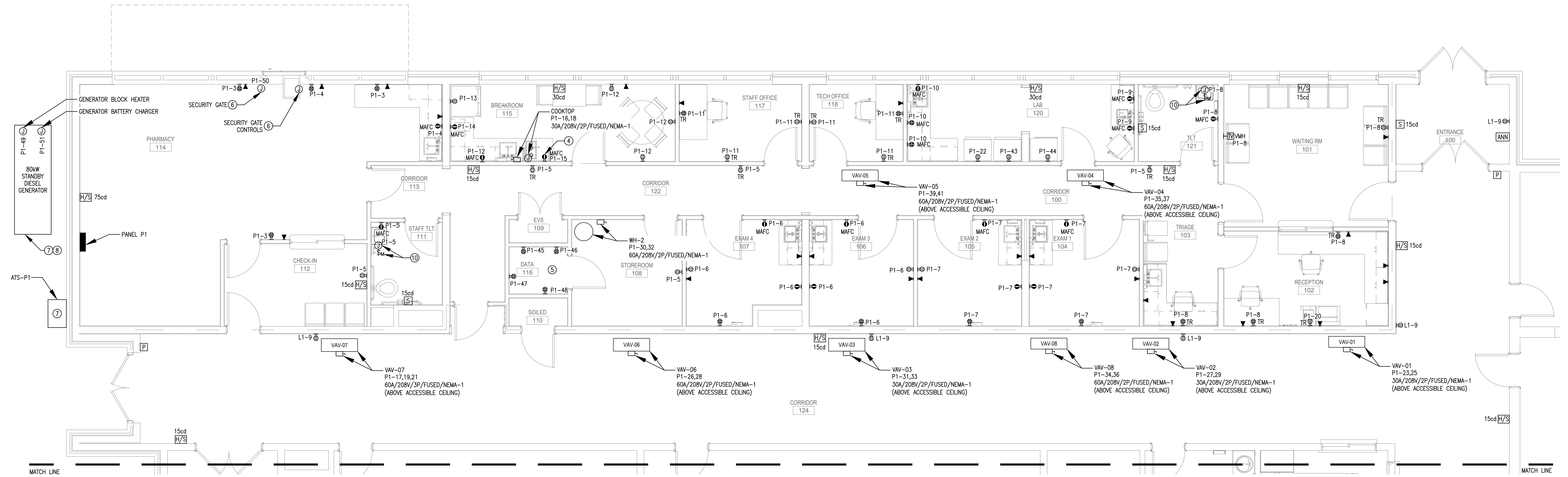
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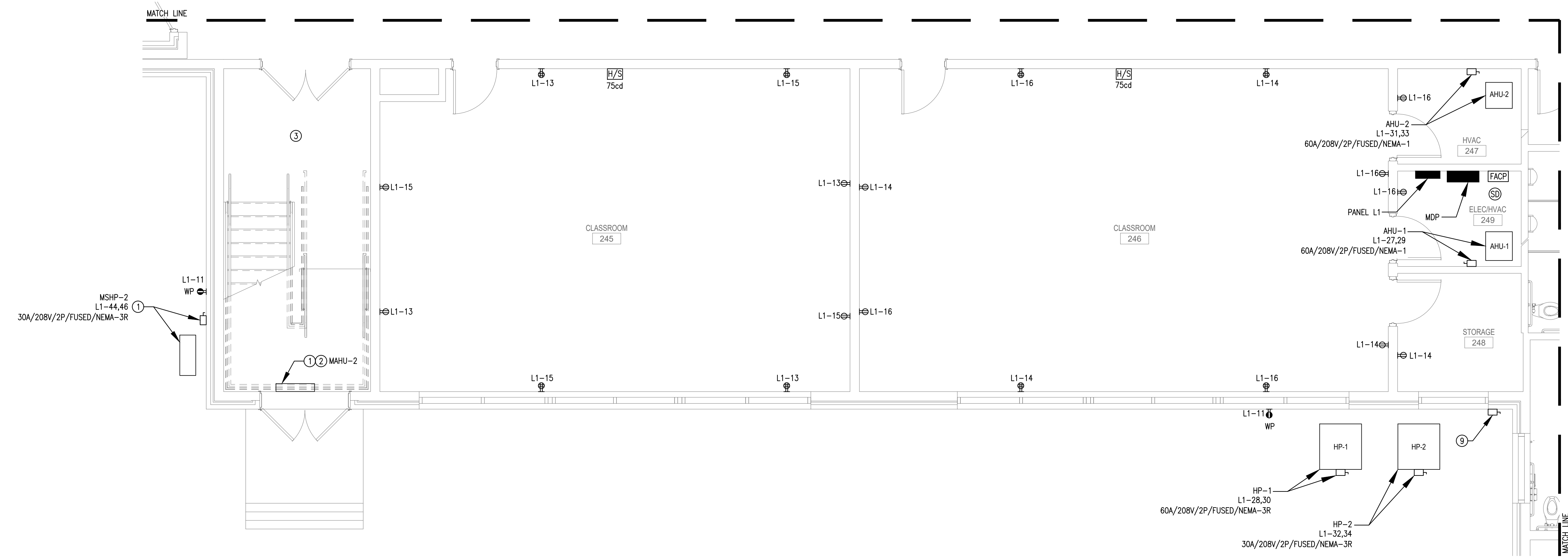
PATIENT CARE AREAS	
EXAM 1	(104)
EXAM 2	(105)
EXAM 3	(106)
EXAM 4	(107)

⊙ ELECTRICAL KEYED NOTES:

1. PROVIDE MANUFACTURER'S RECOMMENDED CONDUIT AND CONTROL WIRING BETWEEN INTERIOR AIR HANDLER (MAHU) AND EXTERIOR HEAT PUMP (MSHP).
2. INTERIOR AIR HANDLER (MAHU) POWERED FROM EXTERIOR HEAT PUMP (MSHP).
3. UNLESS OTHERWISE INDICATED, ALL ELECTRICAL DEVICES ARE EXISTING TO REMAIN IN THIS ROOM.
4. COORDINATE RECEPTACLE LOCATION WITH MICROWAVE.
5. CONFIRM POWER REQUIREMENTS FOR DATA CLOSET WITH OWNER.
6. PROVIDE MANUFACTURER'S RECOMMENDED CONDUIT, CONTROL WIRING, AND POWER WIRING BETWEEN SECURITY GATE AND SECURITY GATE CONTROLS. VERIFY LOCATION OF SECURITY GATE AND SECURITY GATE CONTROLS IN FIELD.
7. VERIFY LOCATION WITH OWNER IN FIELD.
8. PROVIDE GENERATOR WITH WEATHER-PROOF ENCLOSURE AND SUB-BASE FUEL TANK SIZED FOR 12 HOURS OF FUEL AT 100% RATED LOAD.
9. 1200A, NEMA-3R, S.E. RATED, FUSED SAFETY SWITCH (SERVICE DISCONNECT). REFER TO ELECTRICAL RISER DIAGRAM FOR ADDITIONAL INFORMATION.
10. CONNECT BRANCH CIRCUIT INDICATED TO AUTOMATIC FAUCET POWER SUPPLY (PROVIDED BY OTHERS). COORDINATE LOCATION OF AUTOMATIC FAUCET POWER SUPPLY WITH PLUMBING CONTRACTOR IN FIELD. ELECTRICAL CONTRACTOR SHALL PROVIDE MOTOR RATED SWITCH AND ALL CONDUIT AND WIRING TO THE AUTOMATIC FAUCET POWER SUPPLY.



ENLARGED
 HVAC ELECTRICAL, POWER,
 & FIRE ALARM PLAN
 (E-2.1) SCALE: 1/4" = 1' - 0"

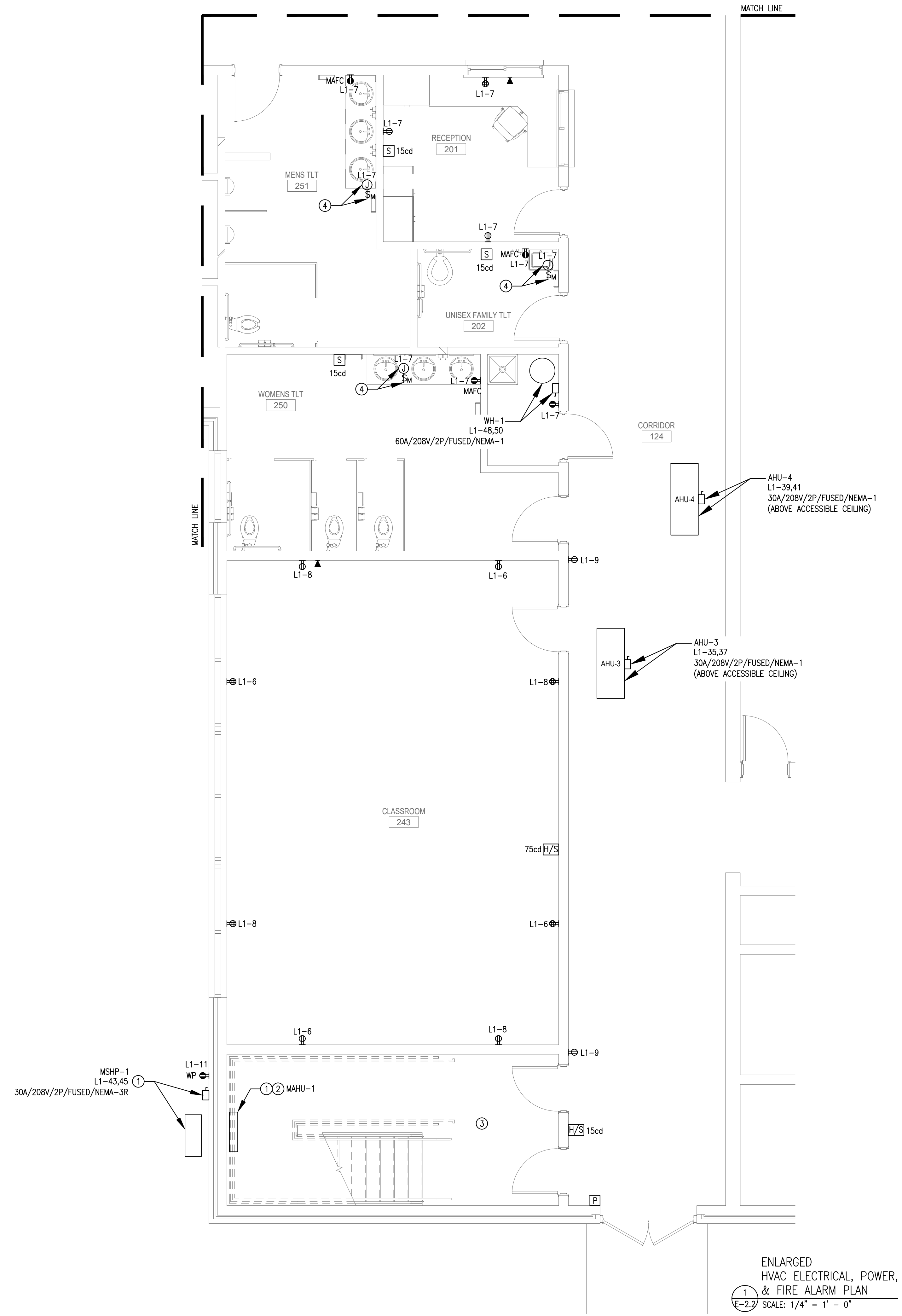


ENLARGED
 HVAC ELECTRICAL, POWER,
 & FIRE ALARM PLAN
 (E-2.2) SCALE: 1/4" = 1' - 0"

- ELECTRICAL KEYED NOTES:**
1. PROVIDE MANUFACTURER'S RECOMMENDED CONDUIT AND CONTROL WIRING BETWEEN INTERIOR AIR HANDLER (MAHU) AND EXTERIOR HEAT PUMP (MSHP).
 2. INTERIOR AIR HANDLER (MAHU) POWERED FROM EXTERIOR HEAT PUMP (MSHP).
 3. UNLESS OTHERWISE INDICATED, ALL ELECTRICAL DEVICES ARE EXISTING TO REMAIN IN THIS ROOM.
 4. CONNECT BRANCH CIRCUIT INDICATED TO AUTOMATIC FAUCET POWER SUPPLY (PROVIDED BY OTHERS). COORDINATE LOCATION OF AUTOMATIC FAUCET POWER SUPPLY WITH PLUMBING CONTRACTOR IN FIELD. ELECTRICAL CONTRACTOR SHALL PROVIDE MOTOR RATED SWITCH AND ALL CONDUIT AND WIRING TO THE AUTOMATIC FAUCET POWER SUPPLY.



Scale:
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ENLARGED
HVAC ELECTRICAL, POWER,
& FIRE ALARM PLAN
E-2.2 SCALE: 1/4" = 1' - 0"

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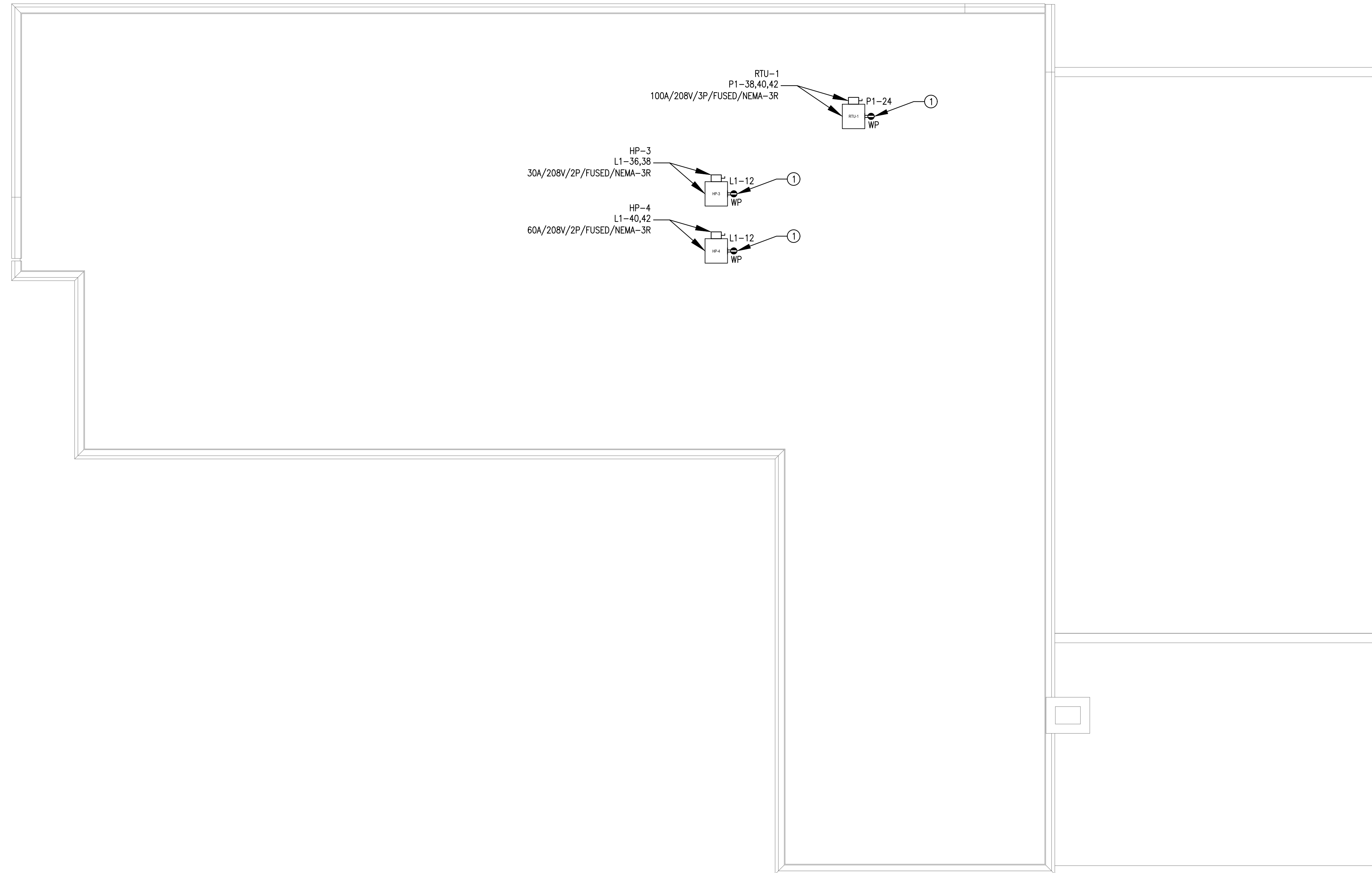
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Project Status: **Working Drawings**

Revision No (if any):	Revision Date:
2021-003	10/14/21

Drawing Name: **Enlarged Power & Fire Alarm Plan**
Drawing No: **E-2.2**
BECI Project No: 5811

- ⊖ ELECTRICAL KEYED NOTES:
 1. MOUNT INDEPENDENTLY OF MECHANICAL ENCLOSURE.



ROOF
 HVAC ELECTRICAL
 & POWER PLAN
 1
 E-3 SCALE: 1/8" = 1' - 0"

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Project Status: **Working Drawings**

Revision No. (if any): Revision Date:

Project No: Current Date:
 2021-003 10/14/21

Drawing Name:

**Roof HVAC Electrical
 & Power Plan**

Drawing No:

E-3

BECI Project No: 5811