

ABBREVIATIONS

Above finished floor	AFF	Footing	FTG	Project	PROJ
Acoustic	ACST	Foundation	FDM	Property	PROP
Acoustic Panel Ceiling	APC	Furniture, furniture	FURN	Public Address	PA
Addendum	ADD	Furring	FLUR	Quality control	QC
Alternate	ALT	Gage (gauge)	GA	Quality	QUAL
Aluminum	AL	Galvanized iron	GALV	Quantity	QTY
Angle	L	Galvanized iron	GALVI	Quarry Tile	QT
Approximate	APPROX	Gas/Wall Tile	GWT	Radius	RAD
Architectural	ARCH	Grid Bar	GB	Rail Leader	RL
Asbestos	ASB	Grade	GR	Receivable	RCVD
Asphalt	ASPH	Gravel	GVL	Receptacle	RCPT
Assistant	ASST	Gypsum Wallboard	GWB	Receptacle	RECP
Association	ASSN	Gypsum	GYP	Recess(ed)	REC
Automatic	AUTO	Handicap	HC	Refer, reference	REF
Average	AVG	Hardwood	HW	Refrigerate, refrigerator	REFR
Base plate	BP	Heating ventilating and air conditioning	HVAC	Reinforce	REINF
Basement	BSMT	Height	HGT	Reinforced concrete	RC
Beam	BM	High Point	HPT	Remove	RMV
Bearing	BRG	High Performance	HP	Repair	RPR
Bedroom	BR	High Performance Coating	HPC	Required	REQD
Benchmark	BMK	Hollow Metal	HM	Revis, revision	REV
Board	BD	Horizontal	HORIZ	Right hand	RH
Boiler	BLR	Included, inclusive	INCL	Road	RD
Bottom	BTM	Incorporated	INC	Roof	RF
Brick	BRK	Information	INFO	Roofing	RFG
Building line	BL	ID	ID	Room	RM
Building	BLDG	Install(ed), installation	INSTL	Rubber tie floor	RTF
Bulk-up/roof	BUR	Insulation	INSUL	Rubber	RBR
Cabinet	CAB	Interior	INT	Schedule	SCHED
Carpet	CPT	Janitor	JAN	Schematic	SCHEM
Catalog	CAT	Joint	JT	Section	SECT
Ceiling height	CH	Joint	J	Service	SVCE
Ceiling	CLG	Junction box	JB	"Sheet, sheeting"	SHT
Center	CTR	Knock down	KD	Shower	SH
Centerline	CL	Laboratory	LAB	Siding	SDG
Ceramic Tile	CT	Lavatory	LAV	Similar	SIM
Ceramic	CER	Left Hand	LH	Slope	SL
Chalkboard	CB	Length	LG	Sound/transmission class	STC
Clear	CLR	Light	LVL	South	S
Closet	CLO	Light	L	Speaker	SPKR
Coated	CTD	Light	LT	Specifications	SPC
Controlled	COL	Machine	MACH	Sprinkler	SPR
Column	COL	Maintenance	MAINT	Square	SQ
Company	COMP	Manager	MGR	Standard	STD
Compassion	COMP	Manual	MNL	Standard	STD
Concrete Masonry Unit	CMU	Manufacturing	MFG	Standpipe	SP
Concrete	CONC	Marketplace	MB	Steel	STL
Construction joint	CJ	Masonry opening	MO	Storage	STOR
Construction	CONSTR	Masonry	MSRY	Structural Glazed Facing Tile	SGFT
"Continue, Continuous"	CONT	Master bedroom	MBR	Structural structure	STRUCT
Counter	CNT	Material	MATL	Substitute	SUBST
Countersink	CSK	Maximum	MAX	Surface	SURF
Cubic	CU	Mechanical	MECH	Suspended(ed)	SUSP
Curve(s)	CRV	Membrane	MEMB	Switch	SW
Dampproofing	DP	Men	M	Symmetrical	SYM
Degree	DEG	Metal	MET	System	SYS
Departmental	DEPT	Mezzanine	MEZZ	Tackboard	TB
Detail	DET	Minimum	MIN	Tackstrip	TS
Diagonal	DAG	Mirror	MIR	Telephone	TEL
Diameter	DM	Miscellaneous	MISC	Television	TV
Dimension	DM	Mounted	MTD	Temporary	TEMP
Dishwasher	DW	Mouting	MTO	Terazzo	TER
Dispenser	DISP	Necessary	NEC	Thick	THK
Door	DR	Noise-reduction coefficient	NRC	Through	THRU
Double	DBL	Normal	NO	Tie	T
Double-hung	DH	Non Combustible	NC, NONCOM	Tongue and groove	T&G
Down	DN	North	N	Top and bottom	T&B
Downspout	DS	Not in Contact	NIC	Top-chord	TC
Drain	DRN	Not to scale	NTS	Top of Masonry Parapet	TMP
Drawing	DWG	Not available	NA	Top of Bearing	TOFB
Each	EA	Number	NO	T.O.S.	T.O.S.
East	E	Office	OFF	Topping	TOPG
Electric Water Cooler	EWC	On center	OC	Total	TOT
"Electric, electrical"	ELEC	Opening	OPNG	Transformer	XFMR
Elevation	EL	Opposite	OPP	Transom	TR
Elevator	ELEV	Overall diameter	OD	Transparent	TRANSP
Engineer	ENGR	Overall	OA	Tread	TRD
Entrance	ENTR	Overhead	O'VD	Threshold	THRESH
Equal	EQ	Page	P	Typical	TYP
Equipment	EQUIP	Painted	PTD	Underground	UG
Exhaust	EXH	Par	PR	Underwriters Laboratories	UL
Existing	EXIST	Panel	PNL	Unfinished	UNF
Expansion joint	EXP JT	Partition	PTN	Unit Ventilator	UV
Exposed	EXP	Percent	PCT	Unless Otherwise Noted	UON
Exterior	EXT	Perforated	PERF	Ural	UR
Fabricate	FAB	Permanent	PERM	US Gypsum Company	USG
Face of Stud	F S	Perpendicular	PERP	Vertical	VERT
Fan Coil Unit	FCU	Piece	PC	Vestibule	VEST, V
Fiberglass-reinforced plastic FRP	FRP	Plastic Laminate	PLAM	Vinyl Reducing Strip	VRS
Finish	FIN	Plastic Laminate	PLASLAM	Vinyl Composite Tile	VCT
Finished Floor	FF	Plate	PL	Vinyl asbestos tile	VAT
Fire Extinguisher	FE	Plumbing	PLMB	Wardrobe	WARD
Fire Extinguisher & Cabinet	FEC	Plywood	PLYWD	Water closet	WC
Fire Retardant Treated	FRT	Point	PT	Waterproof	WP
Fireproof	FRPF	Polyvinyl chloride	PVC	Weight	WT
Fixture	FXR	Precast	PRCST	Welded	WLD
Flange	FLG	Prefabricated	PREFAB	Welded Wire Mesh	WWM
Flashing	FL	Preliminary	PRELM	With	W
Floor	FLR	Preparation, prepare	PREP	Without	W/O
Floor drain	FLD	Program	PRGM	Women	W
Flooring	FLG	Projection Screen	PS	Wood	WD
Fluorescent	FLUOR			Wrought Iron	WI

SYMBOLS OF MATERIALS

	EARTH		STEEL - LARGE SCALE
	GRAVEL		ALL METALS - SMALL SCALE
	CONCRETE		CAST STONE
	CONCRETE MASONRY UNITS		GLASS - LARGE SCALE
	SOLID CONCRETE MASONRY UNITS		BATT INSULATION
	BRICK		RIGID INSULATION
	WOOD-FINISHED		CERAMIC TILE
	WOOD ROUGH		CARPET
	PLYWOOD		
	GYP SUM BOARD		
	ACOUSTIC TILE		

DRAWING KEY

	GRID LINES		DETAIL LINES
	SECTIONS		DETAIL NUMBER
	SHEET NUMBER		DETAIL NUMBER IN PLAN/SECTION
	ROOM NAME		INTERIOR ELEVATION
	ROOM NUMBER		REVISION: TYPE = A, S, R, C, D, ADD.
	DOOR NO. ON PLAN		CASEWORK (FURNISHING PLANS ONLY)
	H.M. FRAME NO. ON PLAN		ALUM. FRAME/WINDOW TYPE
			WALL TYPE

WARWICK HEALTH SCIENCES ACADEMY

1241 GATEWOOD RD, NEWPORT NEWS, VA 23601



BID SET
6/8/2022

OWNER



NEWPORT NEWS PUBLIC SCHOOLS
12465 WARWICK BLVD
NEWPORT NEWS, VA 23606

DESIGN TEAM

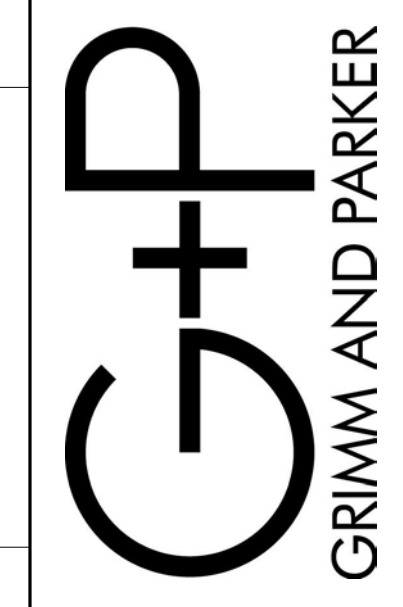
COMPANY	DISCIPLINE	ADDRESS	PHONE NUMBER
GRIMM + PARKER ARCHITECTS	ARCHITECT	8609 WESTWOOD CENTER DRIVE SUITE 425 TYSONS, VA 22182	703.903.9100
THOMPSON Consulting Engineers	MECHANICAL, ELECTRICAL, PLUMBING	22 ENTERPRISE PARKWAY SUITE 200 HAMPTON, VA 23666	757.599.4415
lynchmykins	STRUCTURAL ENGINEER	1519 SUMMIT AVENUE SUITE 101 RICHMOND, VA 23230	804.346.3935

LIST OF DRAWINGS

CIVIL	C400 FIRE LINE ADDITION
ARCHITECTURAL	A0.1 CODE STUDY - FIRST FLOOR
A1.1	FIRST FLOOR & REFLECTED CEILING DEMO. PLANS
A1.2	FIRST FLOOR & REFLECTED CEILING PLANS
A3.1	FINISH & DOOR SCHEDULE
A3.3	WALL TYPES & WALL TERMINATION DETAILS
A4.0	ENLARGED PLANS & DETAILS
A4.1	ELEVATOR SECTIONS AND DETAILS
A5.1	ENLARGED TOILET ROOM PLANS
A7.1	CEILING DETAILS
A8.1	FURNISHING & FINISHES PLAN & CASEWORK ELEV.
A8.2	CASEWORK DETAILS & MILLWORK
A8.3	INTERIOR ELEVATIONS & MILLWORK
STRUCTURAL	S001 GENERAL NOTES
S101	FOUNDATION, FRAMING PLANS, AND SECTIONS
S301	SECTIONS
S501	TYPICAL DETAILS
PLUMBING	P0.1 LEGEND, NOTES, ABBREVIATIONS & SCHEDULES
P1.1	FLOOR PLANS - DEMOLITION & NEW WORK - DWV
P2.1	FLOOR PLANS - DEMOLITION & NEW WORK - DOMESTIC WATER
P3.1	ENLARGED PLANS - PLUMBING AND MECHANICAL
P4.1	PLUMBING AND MECHANICAL DETAILS
P4.2	FIRESTOP DETAILS
FIRE PROTECTION	SP0.1 LEGEND, NOTES, & ABBREVIATIONS
SP1.1	FIRST FLOOR PLANS - NEW WORK - SPRINKLER
SP1.2	SECOND FLOOR PLAN - NEW WORK - SPRINKLER
ELECTRICAL	E0.1 ELECTRICAL LEGEND, ABBREVIATIONS AND NOTES
E0.2	LIGHT FIXTURE SCHEDULE
E1.1	FLOOR PLANS - DEMOLITION & NEW WORK - LIGHTING
E2.1	FLOOR PLANS - DEMOLITION & NEW WORK - POWER
E3.1	FLOOR PLANS - DEMOLITION & NEW WORK - AUXILIARY SYSTEMS



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GP #21710

TITLE SHEET
WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD, NEWPORT NEWS, VA 23601

DATE	DESCRIPTION

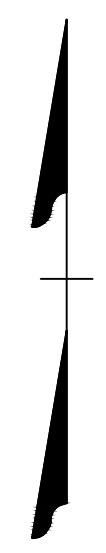
ASBESTOS NOTE
ASBESTOS WAS FOUND ON THE FIRST AND SECOND FLOORS IN THE WARWICK SENIOR CENTER. REFER TO THE "PARTIAL ASBESTOS INSPECTION REPORT OF GATEWOOD PEEP / WARWICK SENIOR CENTER, MCS JOB# 21-022S" DATED APRIL 15, 2021.

IFB #030-0-2022GS

VDOE NUMBER:117-107-01-103

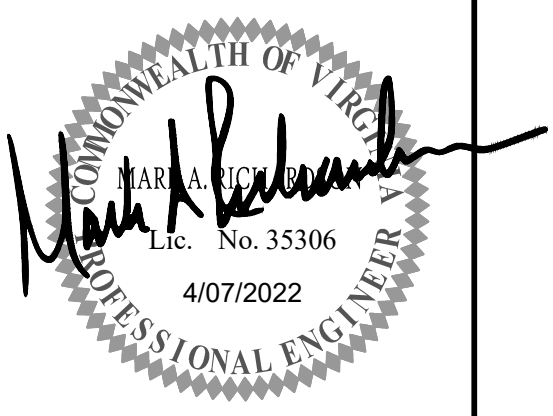
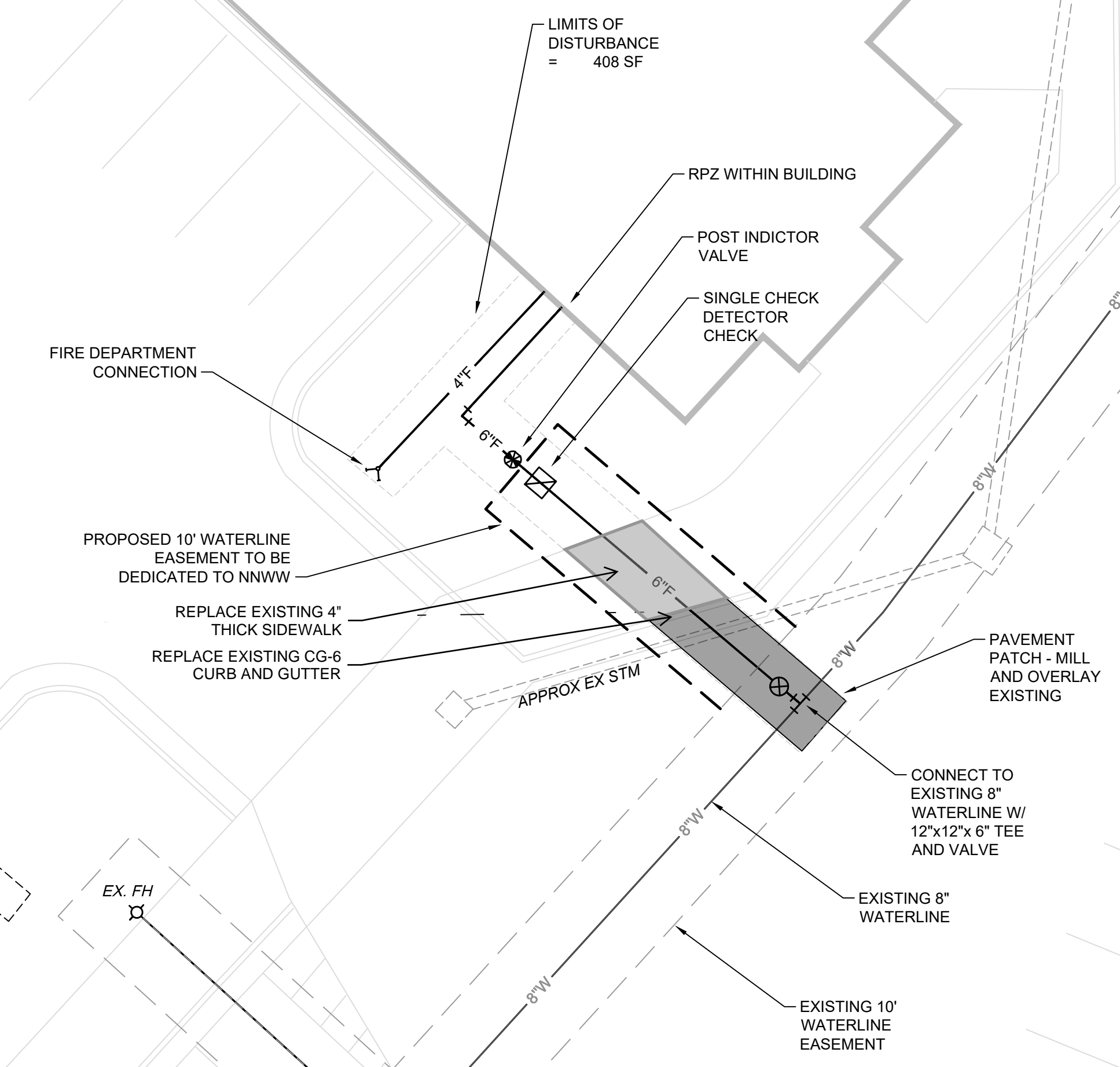
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- GENERAL NOTES:
1. PROPERTY ADDRESS: 51 COPELAND LANE
 2. PARCEL SIZE: 22.2 ACRES
 3. DISTURBED ACREAGE: 408 SF
 4. THIS PLAN IS NOT A RESULT OF A FIELD SURVEY. INFORMATION WAS ACQUIRED FROM VISUAL EVIDENCE AND GIS INFORMATION AND IS NOT BASED ON A PHYSICAL SURVEY.
 5. CONTRACTOR SHALL SATISFY HIMSELF AS TO EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE CIVIL ENGINEER IMMEDIATELY.
 6. CONTACT MISS UTILITY PRIOR TO EXCAVATION.



EXISTING GATEWOOD BUILDING
2-STORIES

GATEWOOD ROAD



THIS DRAWING PREPARED AT THE
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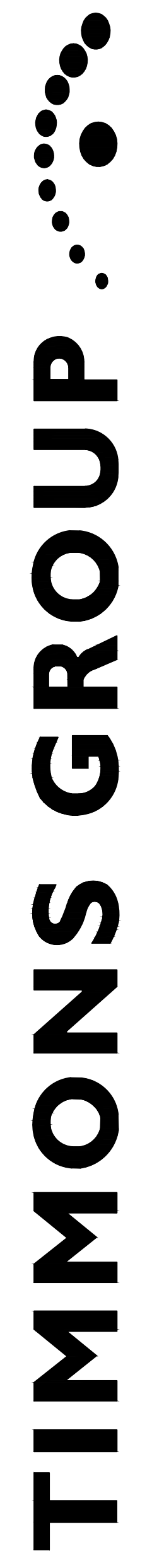
YOUR VISION ACHIEVED THROUGH OURS.

DATE	REVISION DESCRIPTION
6/8/2022	BID SET

DESIGNED BY
MAR

CHECKED BY

SCALE
1" = 10'

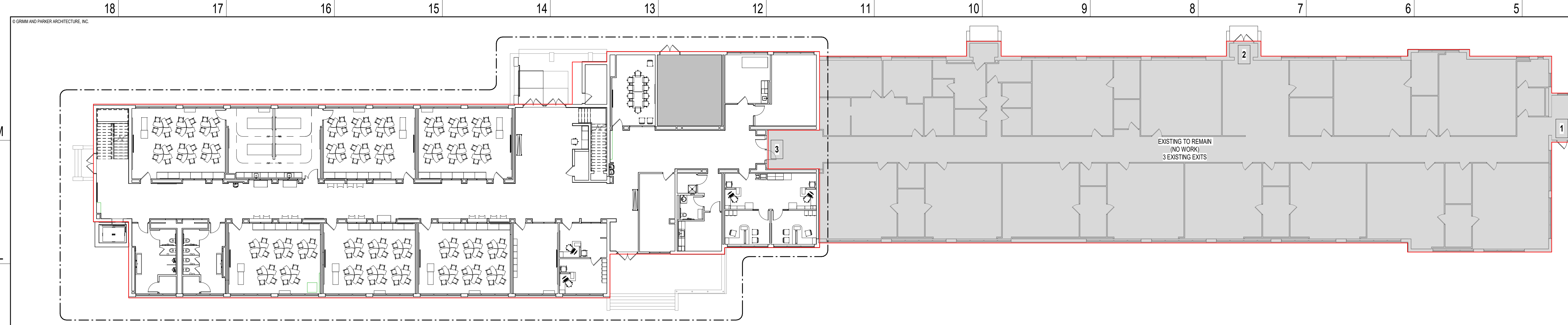


WARWICK HS GATEWOOD BLDG - FIRE LINE ADDITION
CITY OF NEWPORT NEWS, VA

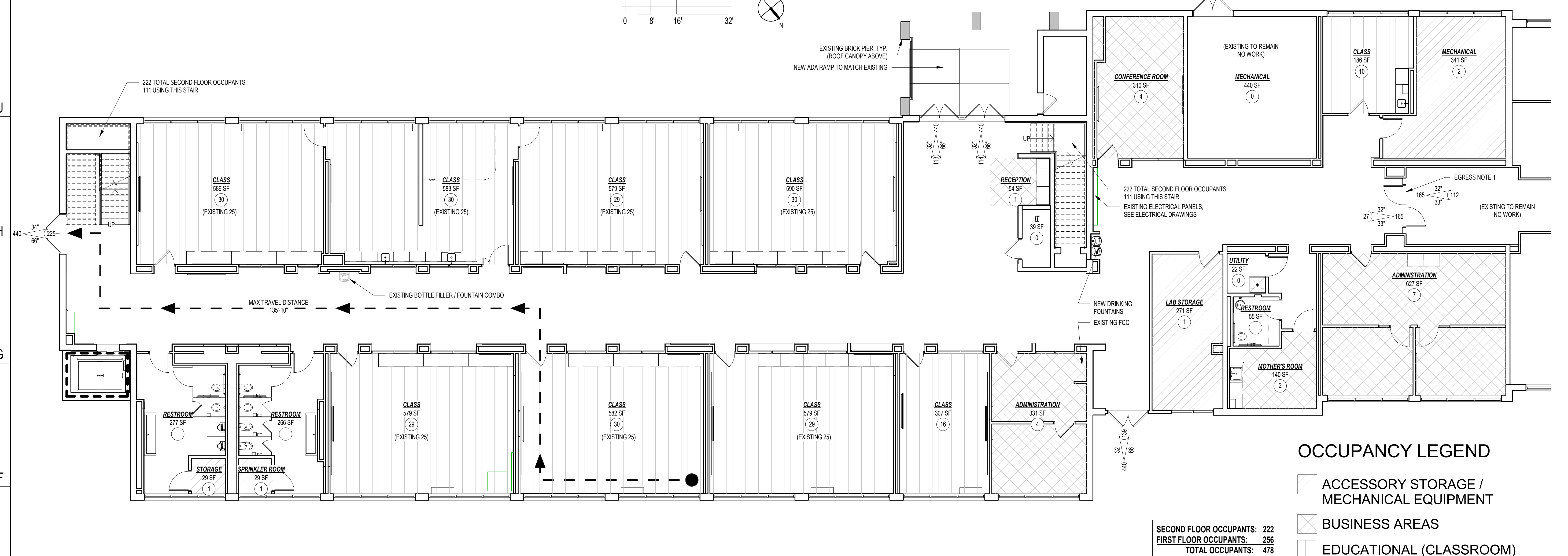
JOB NO.
40055.007
SHEET NO.
C400

S:\1\140055.007 - Warwick HS - Gatewood Building\DWG\40055.007_SPLA\A0.dwg [Plotted on 6/7/2022, 1:32 PM] by Mark Richardson

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K18 FIRST FLOOR CODE STUDY - OVERALL PLAN
1/16" = 1'-0"



OCCUPANCY LEGEND

- ACCESSORY STORAGE / MECHANICAL EQUIPMENT
- BUSINESS AREAS
- EDUCATIONAL (CLASSROOM)

SECOND FLOOR OCCUPANTS: 222
FIRST FLOOR OCCUPANTS: 256
TOTAL OCCUPANTS: 478

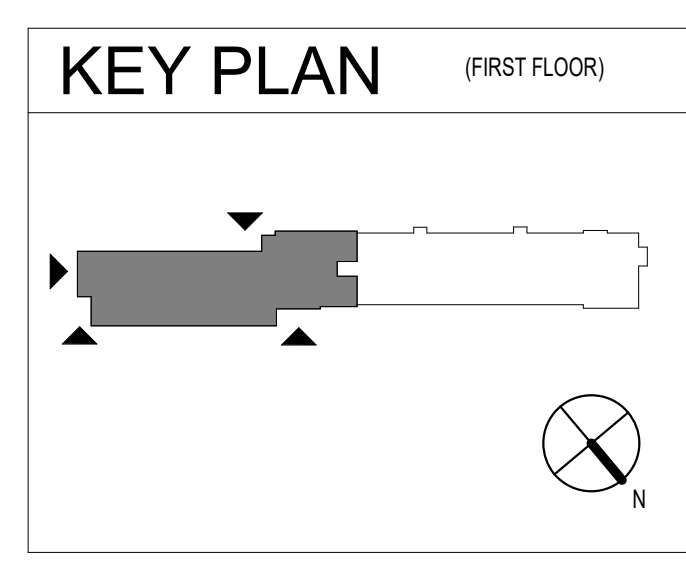
E18 CODE STUDY PLAN - FIRST FLOOR
1/8" = 1'-0"

OCCUPANT LOAD CALCULATIONS (AREAS)						
AREA NAME	AREA (SF)	AREA PER OCCUPANT (SF)	GROSS OR NET	OCC LOAD	EGRESS WIDTH REQ'D	STAIR WIDTH REQ'D
(none)						
RESTROOM	266 SF					
RESTROOM	277 SF					
MECHANICAL	440 SF		GROSS	0		
RESTROOM	55 SF					
IT	39 SF					
UTILITY	22 SF					
ACCESSORY STORAGE / MECHANICAL EQUIPMENT						
MECHANICAL	341 SF	300 SF	GROSS	2	0.2	0.3
LAB STORAGE	271 SF	300 SF	GROSS	1	0.2	0.3
SPRINKLER ROOM	29 SF	300 SF	GROSS	1	0.0	0.0
STORAGE	29 SF	300 SF	GROSS	1	0.0	0.0
BUSINESS AREAS						
ADMINISTRATION	331 SF	100 SF	GROSS	4	0.7	1.0
RECEPTION	54 SF	100 SF	GROSS	1	0.1	0.2
CONFERENCE ROOM	310 SF	100 SF	GROSS	4	0.6	0.9
ADMINISTRATION	627 SF	100 SF	GROSS	7	1.3	1.9
MOTHER'S ROOM	140 SF	100 SF	GROSS	2	0.3	0.4
EDUCATIONAL (CLASSROOM)						
CLASS	590 SF	20 SF	NET	30	5.9	8.9
CLASS	579 SF	20 SF	NET	29	5.8	8.7
CLASS	583 SF	20 SF	NET	30	5.8	8.8
CLASS	307 SF	20 SF	NET	16	3.1	4.6
CLASS	579 SF	20 SF	NET	29	5.8	8.7
CLASS	582 SF	20 SF	NET	30	5.8	8.7
CLASS	579 SF	20 SF	NET	29	5.8	8.7
CLASS	589 SF	20 SF	NET	30	5.9	8.8
CLASS	186 SF	20 SF	NET	10	1.9	2.8
Grand total				233	45.7	68.6
				256	49.1	73.7

PLUMBING FIXTURE COUNT

Use	Occupants	M Ratio	M Toilets	W Ratio	W Toilets	M ratio	M lav	W ratio	W lav	Ratio	Fountains
Storage	4	100	0.04	100	0.04	100	0.04	100	0.04	1000	0.008
B	18	25	0.36	25	0.36	40	0.23	40	0.23	100	0.18
E	233	50	2.32	50	2.34	50	2.32	50	2.34	100	2.33
Total Required	256	4	2.72	4	2.74	3	2.59	3	2.61	2,518	3
Total Provided		4		5		5		5		4	4

4 (1 is fountain/bottle-filler combo = 2, 1 HLO = 2)
TROUGH SINKS IN MULTI-FIXTURE RESTROOMS EACH HAVE 3 FAUCETS. THERE ARE A TOTAL OF (6) SINKS PROVIDED.



CODE REVIEW

PROJECT NAME AND LOCATION: HEALTH SCIENCES ACADEMY, 1241 GATEWOOD ROAD, NEWPORT NEWS, VIRGINIA

PROJECT DESCRIPTION: RENOVATION OF AN EXISTING CLASSROOM SCHOOL BUILDING

APPLICABLE CODES: VIRGINIA UNIFORM STATEWIDE BUILDING CODE 2018, VIRGINIA EXISTING BUILDING CODE 2018

Accessibility: ADA STANDARDS FOR ACCESSIBLE DESIGN 2010

BUILDING USE AND CONSTRUCTION CLASSIFICATIONS: Use Group E EDUCATIONAL, VUSBC 305.1

Building Area: First Floor 13,500 GSF (RENOVATED), Second Floor NO WORK, Total 13,500 GSF

Proposed Type of Construction: TYPE IIB (VUSBC), Allowable Building Height: 55' (VUSBC TABLE 504.3), 2 Stories (VUSBC 504.4), Actual Building Height: 29' (ELEVATOR)

FIRE PROTECTION SYSTEM REQUIREMENTS: System VUSBC, Automatic Sprinklers YES 903.2.3, Fire Alarm System YES 907.2.3, Smoke Detection System NO --, Partial Smoke Detection YES --, Location DOORS WITH HOLD OPEN DEVICES --

INTERIOR FINISH REQUIREMENTS: Per Table 803.13

TRAVEL DISTANCE TO EXITS: VUSBC, Maximum Length of Travel in a Fully Sprinklered Building 292' (Table 1017.2), Maximum Length Common Path of Travel in a Non-Sprinklered Building 75' (Table 1006.2.1), Spaces with One Means of Egress, Maximum Travel Distance to an Exit Access Door 75' (Table 1006.2.1)

MINIMUM CORRIDOR WIDTH REQUIREMENTS: VUSBC, Width Table 1020.2, 6 FT., EXIT CORRIDOR 44 IN., CLR. STAIR WIDTH 1011.2

PANIC HARDWARE: Per VUSBC Code 1010.1.10, ALL DOORS SERVING 50 OR MORE OCCUPANTS

EMERGENCY LIGHTING REQUIREMENTS: Per VUSBC Code 1008

ALL MEANS OF EGRESS

FIRE RATING REQUIREMENTS- STRUCTURAL ELEMENTS/ EGRESS COMPONENTS: Rating Required VUSBC, Primary Structural Frame 0 TABLE 601, TABLE 602, Exterior Bearing Walls 0 TABLE 601, TABLE 602, Exterior Non-Bearing Walls 0 TABLE 602, Fire Walls 2 TABLE 706.4, Interior Bearing Walls 0 TABLE 601, Floor Ceiling Assemblies 0 TABLE 601, Roof Ceiling Assemblies 0 TABLE 601, Columns 0 TABLE 601, Beams 0 TABLE 601, Egress Corridors 0 TABLE 1020.1, Shafts (Stairs) 1 1023.2, Shafts Other than Stairs 1 713.4, Corridor Doors 0 716.2.2.1, Table 1020.1, Smoke Barrier 1 710.3, Smoke Partitions 0 710.3, Smoke Barrier Doors 20 MIN. 710.5.2, 716.2.2.1, Mixed Use Separation 1 or Auto Fire Extinguishing System 508, TABLE 508.4

EGRESS WIDTH: VUSBC Code, Egress width at stairs 2'0"OC, 1005.3.1, Exception 1 - STAIRS NOT IN SCOPE, Egress width at doors and corridors 15'0"OC, 1005.3.2, Exception 1

NUMBER OF REMOTE EXITS REQUIRED: VUSBC, Rooms Less Than 50 Occupants 1 Exit (Table 1006.2.1), Rooms with 50 - 500 Occupants 2 Exits (1006.2.1), Rooms with 501 - 1000 Occupants 3 Exits (1006.2.1.1), Rooms with More than 1000 Occupants 4 Exits (1006.2.1.1)

By Story: VUSBC, 1 - 500 Occupants 2 Exits (Table 1006.3.2), 501 - 1000 Occupants 3 Exits (Table 1006.3.2), More than 1000 Occupants 4 Exits (Table 1006.3.2)

REMOVEDNESS OF EXITS: VUSBC, USBC 1007.1.1 Exception 2 - 14 The Length of Maximum Room Diagonal (Credit for Sprinklered Building)

MAXIMUM DEAD END DISTANCES: VUSBC, 50 FT. (1020.4), Exception 2

NOTES: 1. Mixed use separation walls must have 45 minute rated opening protectives. 2. All fire separation walls must comply with Section 706.4 of the 2018 VUSBC. They must extend from the top of the fire resistance rated floor ceiling assembly below to the underside of the floor or roof slab or deck above and must be securely attached thereto. 3. All fire walls must comply with Section 706 of the 2018 VUSBC Code. 4. Elevator shaft to be (2) hour rated - UL-F U905. 5. Exterior walls indicated to provide (1) hour rating (UL-F U906). At stairs and fire walls where exterior walls form an angle less than 180 degrees, the exterior wall must be rated at stairs per L.S. 7.2.2.5.2, and at fire walls per VUSBC 1023.7. 6. Stair enclosures are (1) hour rated. 7. Refer to '18' plates & count w/ MEP drawings for chases thru floor. Enclosure walls around these floor openings must be (1) hour rated & must extend from floor to deck above - pack w/ saffing insulation. Rating to be as follows: 6' CMU - U.L. #UR95 Gyp. Bd. - Gypsum Assoc. assembly WP1110 8. Refer to sheet A3.3 for wall termination details at rated walls. 9. Refer to the Door Schedule for doors with closers required. 10. All rated walls and partitions must be permanently identified with signs or stenciling as follows: a. Identification markings must be located in accessible concealed floor, floor-ceiling and attic spaces. b. Identification markings must be located within 15'-0" of the end of each wall and at intervals not exceeding 30'-0" measured horizontally along the wall or partition. c. Lettering must not be less than 3" in height with a minimum 3/8" stroke in contrasting color incorporating the following wording: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS"

SYMBOL KEY

ALLOWABLE # OCC. REQ'D WIDTH: 1 HR HORIZONTAL SHAFT WALL, 2 HR HORIZONTAL SHAFT WALL, 2 HOUR RATING 1 HOUR RATING SMOKE PARTITION, 1 HR RATED ROOF AND SUPPORTING STRUCTURE

GP #21710

DATE DESCRIPTION

A0.1

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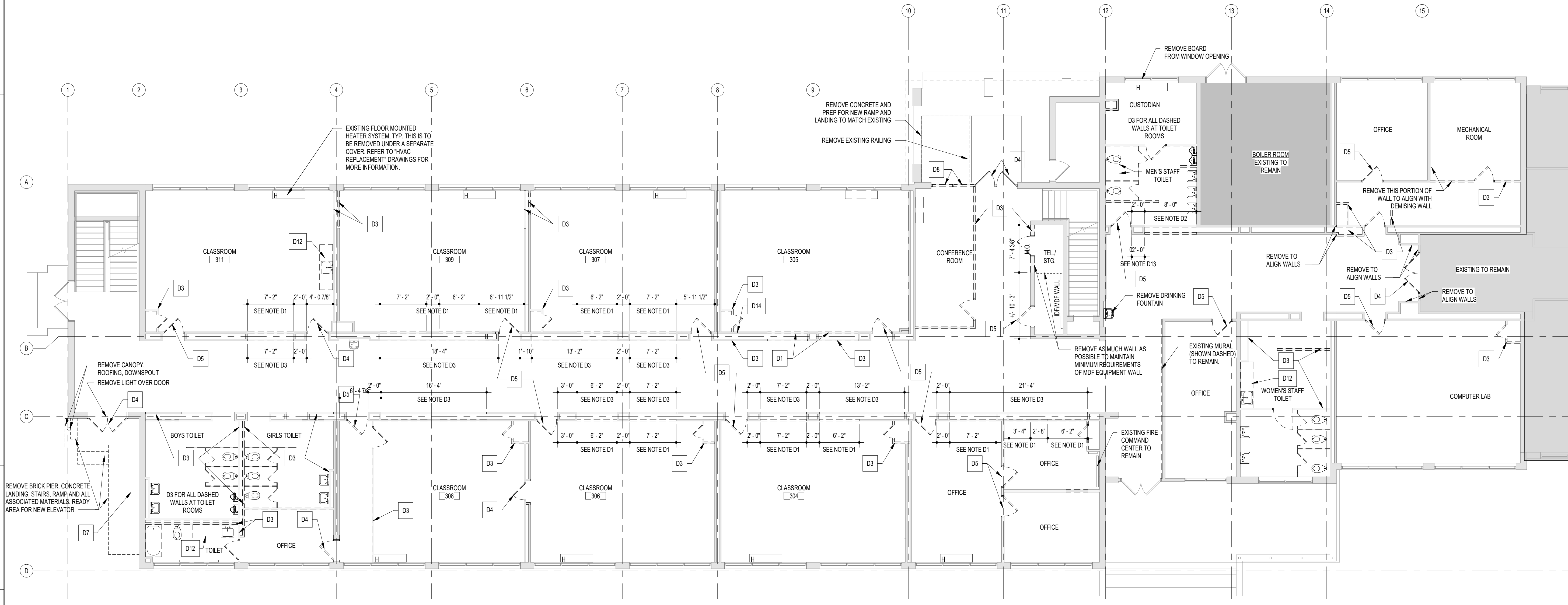
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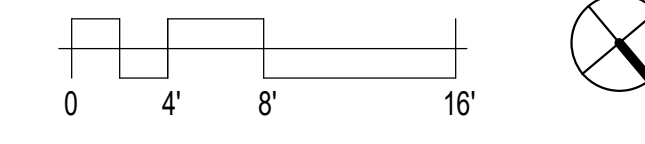
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GENERAL DEMOLITION NOTES

- ALL WORK SHOWN IS EXISTING TO REMAIN UNLESS NOTED OR INDICATED AS DASHED LINES TO BE REMOVED. THE EXTENT OF DEMOLITION WORK SHALL INCLUDE ALL INCIDENTAL DEMOLITION WORK NECESSARY TO PROPERLY PROVIDE ALL NEW WORK SHOWN AND SPECIFIED TO INCLUDE MECHANICAL, ELECTRICAL, & PLUMBING ITEMS.
- DEMOLITION WORK SHOWN IS BASED ON EXISTING DRAWINGS AND INSPECTIONS. THE CONTRACTOR SHALL VISUALLY INSPECT ALL EXISTING CONDITIONS, AND IS RESPONSIBLE FOR PERFORMING THE INDICATED DEMOLITION WORK EVEN IF ACTUAL CONDITIONS DIFFER FROM THOSE SHOWN ON THE DRAWINGS.
- DEMOLITION CONTRACTOR SHALL COORDINATE WITH NEW WORK SECTIONS FOR ADDITIONAL INFORMATION RELATED TO EXTENT OF DEMOLITION.
- REFER TO ALL OTHER DRAWINGS IN THIS SET FOR INCIDENTAL DEMOLITION WORK NOT NOTED ON THE DEMOLITION PLANS.
- THE OWNER HAS FIRST RIGHT OF REFUSAL OF ALL SALVAGE ITEMS. THE CONTRACTOR SHALL PROPERLY DISPOSE OF ALL CONSTRUCTION DEBRIS. DO NOT STOCKPILE DEBRIS ON SITE.
- ITEMS TO BE DEMOLISHED SHALL BE REMOVED COMPLETELY INCLUDING ALL ANCHORS, HANGERS, FASTENERS, PIPES, CONDUITS, DUCTS, ETC. UNLESS OTHERWISE INDICATED TO BE ABANDONED IN PLACE.
- CONC. SLAB PATCHES MUST BE FLUSH WITH REMAINING SURFACES TO PERMIT APPLICATION OF FINISHES. PROVIDE WELDED WIRE MESH IN PATCH AREAS LARGER THAN 4' FOUR SQUARE FEET.
- CONC. SLABS TO REMAIN SHALL BE PATCHED, SCRAPED, LEVELED, AND CLEANED TO PROVIDE SURFACE SUITABLE FOR NEW FINISHES. WHERE RENOVATED AREAS ARE RECEIVING NEW UNDERGROUND MECHANICAL, PLUMBING, ELECTRICAL, OR ADDITIONAL FOUNDATION WORK, SEE MECHANICAL, PLUMBING, ELECTRIC, AND STRUCTURAL DRAWINGS, AS WELL AS ARCHITECTURAL DRAWINGS TO DETERMINE EXTENT OF REQUIRED CUT AND PATCH OF EXISTING SLAB. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL CONC. SLAB DEMOLITION AND REPLACEMENT NECESSARY TO INSTALL THE NEW WORK. BACKFILL ALL BELOW GRADE DEMOLITION WORK WITH SUITABLE FILL MEETING STRUCTURAL REQUIREMENTS FOR NEW WORK.
- PARTITIONS SHOWN TO BE REMOVED SHALL BE CONFIRMED BY THE CONTRACTOR AS TO TYPE OF PARTITION AND EXACT LOCATION. COMPLETELY REMOVE PARTITIONS FROM FLOOR TO STRUCTURE ABOVE INCLUDING BASE, ALL FASTENERS, GROUITS, SEALANTS, ETC. UNLESS OTHERWISE NOTED. MASONRY PARTITIONS WHICH EXTEND THROUGH THE SLAB SHALL BE REMOVED TO 8" BELOW FINISH FLOOR. FILL SLAB OPENING WITH CONCRETE FILL TO RECEIVE FINISH FLOOR. WHERE WALLS SCHEDULED TO BE REMOVED SET ON SLABS. GRIND SLAB TO RECEIVE FINISH FLOOR.
- REMOVE PATCH AND REPAIR PORTIONS OF WALL PARTITIONS WHICH CONFLICT WITH NEW WORK TO BE INSTALLED, EVEN IF NOT SPECIFICALLY NOTED TO BE DEMOLISHED ON PLANS.
- WALLS TO BE REMOVED FROM INTERSECTING WALLS SHALL INCLUDE TOOTHED IN REPLACEMENT OF DAMAGED MASONRY ON WALL TO REMAIN AND REMOVAL OF THIS PROJECTING FROM WALLS. SEE DETAILS FOR ADDITIONAL CONDITIONS.
- WALLS TO BE PARTIALLY REMOVED SHALL BE TERMINATED WITH FINISHED MASONRY ENDS BY TOOTHING IN NEW MASONRY UNITS. TO MATCH ADJACENT MASONRY. SEE DETAILS FOR OTHER CONDITIONS. NO WALLS SHALL BE TERMINATED WITH EXPOSED OPEN CELLS OR DAMAGED MASONRY UNITS.
- WHERE NEW OPENINGS ARE SHOWN IN EXISTING WALLS, CAREFULLY REMOVE MASONRY TO NEAREST JOINT LINE WITHOUT DISTURBING ADJACENT WORK SO THAT NEW WORK CAN BE PATCHED IN TO MATCH. ALL NEW MASONRY WORK SHALL BE TOOTHED IN.
- ALL EXISTING STRUCTURE SHALL REMAIN, UNLESS NOTED OTHERWISE.
- COORDINATE DEMOLITION OF ALL STRUCTURAL ITEMS (COLUMNS, BEAMS, SLABS, ET. ETC.) WITH STRUCTURAL DWGS. EXTENT OF DEMOLITION AREA SHALL BE IN ACCORDANCE WITH STRUCTURAL REQUIREMENTS AND COORDINATED WITH ALL NEW WORK.
- TEMPORARILY SUPPORT ALL BEAMS, LINTELS, PORTIONS OF WALLS ETC. TO BE DISTURBED BY DEMOLITION WORK, UNTIL THEY ARE RE-SUPPORTED BY NEW WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF EXISTING BUILDING CONDITIONS TO REMAIN THROUGHOUT SEQUENCE OF WORK. ANY DAMAGE TO EXISTING BUILDING CONDITIONS SHOWN TO REMAIN SHALL BE RESTORED TO NEW WORK CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- WINDOWS SCHEDULED FOR REMOVAL SHALL BE REMOVED COMPLETELY. FASTENERS MAY BE CUT FLUSH WITH HEAD, JAMBS, AND SILLS IF THE NEW WINDOW UNIT WILL CONCEAL FASTENER. PROTECT EXISTING SILLS SCHEDULED TO REMAIN. ALL EXISTING WINDOW OPENINGS MUST BE FIELD MEASURED PRIOR TO SUBMITTAL OF SHOP DRAWINGS.
- WHERE FINISHES ARE INDICATED TO BE REMOVED, REMOVAL SHALL INCLUDE ANY GROUT, ADHESIVES, FASTENERS, AND ALL OTHER ITEMS USED TO ATTACH THE FINISHES TO THE SURFACES THAT THEY COVER.
- ANY FLOOR AREAS DAMAGED BY THE DEMOLITION CONTRACTOR SHALL BE PATCHED TO MATCH EXISTING.
- WHERE CEILING ARE TO BE REMOVED, REMOVE ALL CEILING SYSTEMS COMPLETE INCLUDING GRID, TRIM HANGER, CLIPS, ETC. WHERE NEW CEILING ARE SPECIFIED, NO DOUBLE CEILING PERMITTED. REMOVE ALL ORIGINAL CONCEALED CEILING WHERE ENCOUNTERED.
- ALL EXISTING SURFACES TO REMAIN SHALL BE PROTECTED, PATCHED IF DAMAGED AND CLEANED PRIOR TO APPLICATION OF FINISHES.
- CONTRACTOR TO PROTECT ALL EQUIPMENT AND OTHER ELEMENTS IN AREA OF NEW OR DEMOLITION WORK.
- REMOVE ALL CURTAINS AND BLINDS IN AREAS OF RENOVATION OR DEMOLITION, UNLESS NOTED OTHERWISE.
- REMOVE MECHANICAL, ELECTRICAL, AND PLUMBING ITEMS AS NOTED. COORDINATE WITH MECHANICAL, ELECTRICAL, AND PLUMBING PLANS. COORDINATE WITH CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING. FOR ADDITIONAL DEMOLITION NOTES: REMOVAL WORK IS INTENDED TO INCLUDE ALL ASSOCIATED ITEMS SUCH AS ELECTRICAL OUTLETS, SWITCHES, CONDUITS, CONTROLS, PIPING, MOUNTING BLOCKS, ETC. AS NOTED. THE CONTRACTOR SHALL REFER TO ALL CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR PROCEDURES CONCERNING RELATED TRADES IN AREAS WHICH REQUIRE DEMOLITION. REPAIR AND PATCH ANY AREAS DAMAGED DURING REMOVAL WORK.



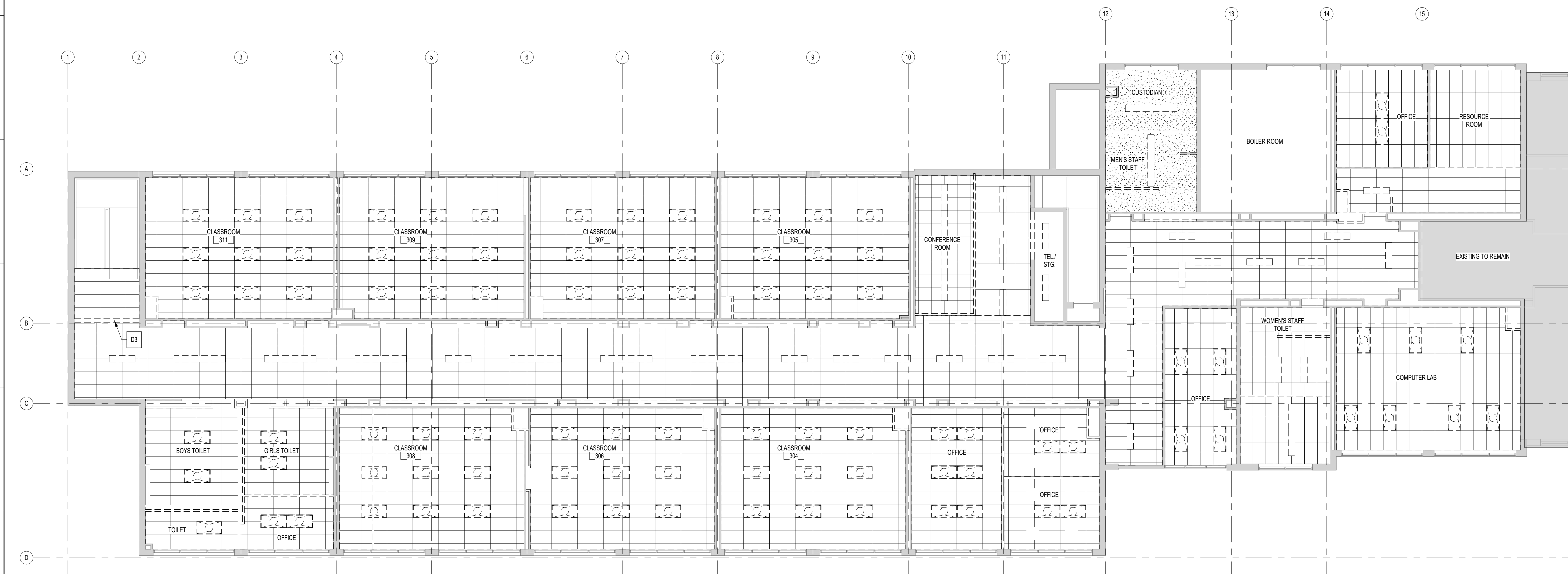
G18 FIRST FLOOR - DEMOLITION PLAN
1/8" = 1'-0"



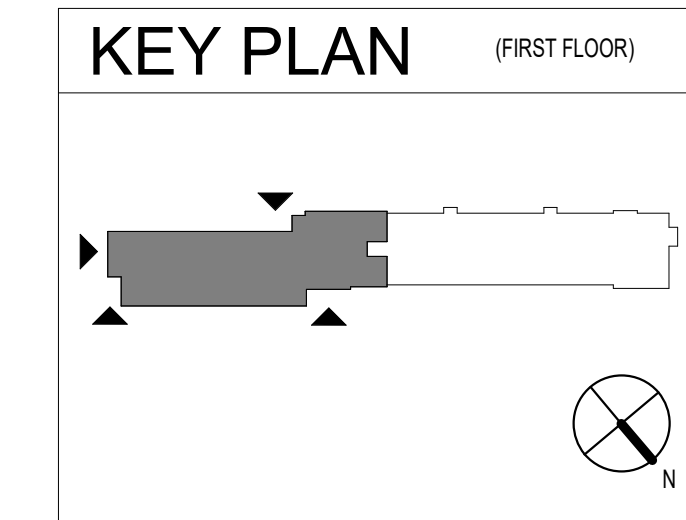
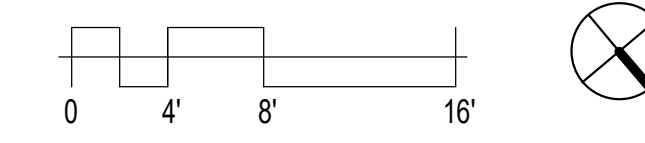
DEMOLITION KEY NOTES

- GENERAL (APPLIES TO RENOVATED AREAS)
- AT ALL ROOMS, REMOVE ALL FINISHES INCLUDING FLOORING, FIXTURES, CASEWORK, SHELVING, COUNTERTOPS, BASE, CHALK & TACK BOARDS, PROJECTION SCREEN, WINDOW TREATMENT, SINKS, PLUMBING FIXTURE, COORD. W/ M.E.P. FOR ADDITIONAL DEMOLITION ITEMS.
 - AT ALL TOILET ROOMS, REMOVE WING WALLS AT STALLS, TOILET PARTITIONS, ACCESSORIES, WALL AND FLOOR TILE, AND PLUMBING FIXTURES. COORD. W/ M.E.P. FOR ADDITIONAL DEMOLITION ITEMS. PATCH AND PREPARE FLOOR SLAB TO RECEIVE NEW FINISHES.
 - AT CORRIDORS, REMOVE ALL EXISTING CERAMIC TILE W/ANSICOTING INCLUDING MORTAR BED. PATCH AND PREPARE WALLS TO RECEIVE NEW FINISHES. PRESERVE/PROTECT EXISTING TERRAZZO. PATCH AND PREPARE FLOOR SLAB TO RECEIVE NEW FINISHES AT INFIL LOCATIONS.
 - REMOVE POWER POLES AND ASSOCIATED ELECTRICAL ITEMS. COORD. W/ ELECTRICAL DRAWINGS.

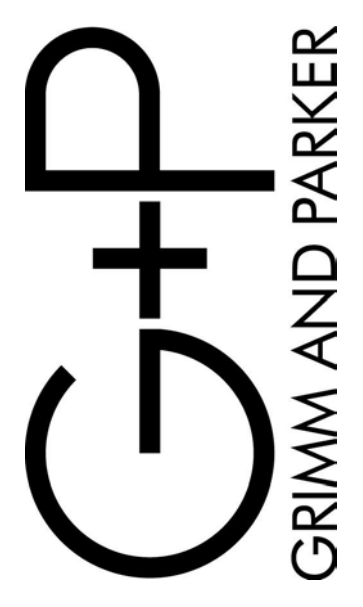
- D1. REMOVE PORTION OF WALL FOR NEW OPENING. INSTALL NEW LINTEL PER STRUCTURAL SCHEDULE. SEE NEW WORK PLANS FOR SIZE OF OPENINGS. CAREFULLY REMOVE EXISTING MASONRY SO NEW MASONRY CAN BE TOOTHED-IN.
- D2. REMOVE PORTION OF WALL FOR NEW OPENING TO 8" ABOVE SLAB. WHERE WALL PENETRATES SLAB, REMOVE WALL TO 8" BELOW SLAB. SEE NEW WORK PLANS FOR SIZE OF OPENINGS. PATCH AND LEVEL FLOOR TO RECEIVE NEW FINISHES REMOVE MASONRY, SO NEW CAN BE TOOTHED IN.
- D3. REMOVE ENTIRE WALL STRUCTURE DOWN TO SLAB (INCLUDING MASONRY, BASE, DOORS, AND RECESSED LOCKERS) WHERE WALL PENETRATES SLAB. REMOVE WALL TO 8" BELOW SLAB. PATCH AND LEVEL FLOOR TO RECEIVE NEW FINISHES. CAREFULLY REMOVE MASONRY, SO NEW CAN BE TOOTHED IN.
- D4. REMOVE DOORS (AND FRAME(S)) (TO INCLUDE STOPS & HOLD OPENS WHERE THEY OCCUR).
- D5. REMOVE EXISTING DOOR, HINGES, & DOOR LOCKSET ONLY. FRAME TO REMAIN AND BE REUSED WITH NEW DOOR & HARDWARE.
- D6. NOT USED.
- D7. REMOVE EXTERIOR CONCRETE STEPS, RAMPS, HANDRAILS, FOUNDATIONS, & ALL SUBSURFACE MATERIALS ASSOCIATED WITH CONCRETE STAIRS AND RAMP CONSTRUCTION.
- D8. REMOVE INFILL PANELS, GLASS, WALL MOUNTED AIR CONDITIONER AND ALL ASSOCIATED ITEMS. EXISTING FRAME TO REMAIN AND BE REUSED. PREPARE FRAME TO RECEIVE NEW HW DOORS TO MATCH EXISTING.
- D9. NOT USED.
- D10. NOT USED.
- D11. NOT USED.
- D12. REMOVE EXISTING CASEWORK, COUNTERTOPS AND PLUMBING FIXTURES.
- D13. REMOVE PORTION OF WALL FROM TO 7'-4" AFF DOWN TO SLAB WHERE WALL PENETRATES SLAB. REMOVE WALL TO 8" BELOW SLAB. PATCH AND LEVEL FLOOR TO RECEIVE NEW FINISHES REMOVE MASONRY, SO NEW CAN BE TOOTHED IN.
- D14. REMOVE PORTION OF WALL TO RECEIVE NEW DOOR AND FRAME. REFER TO DOOR SCHEDULE.



B18 FIRST FLOOR - PARTIAL REFLECTED CEILING - DEMOLITION PLAN
1/8" = 1'-0"



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Suite 425
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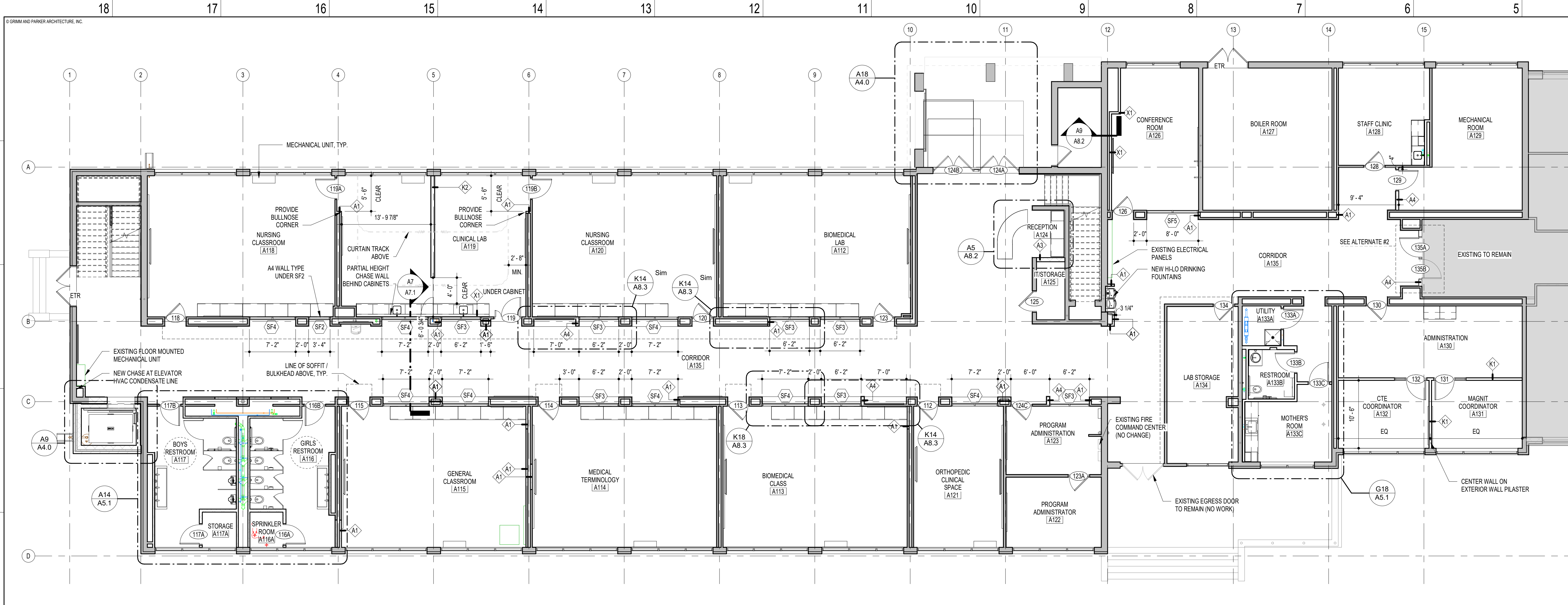


GP #21710

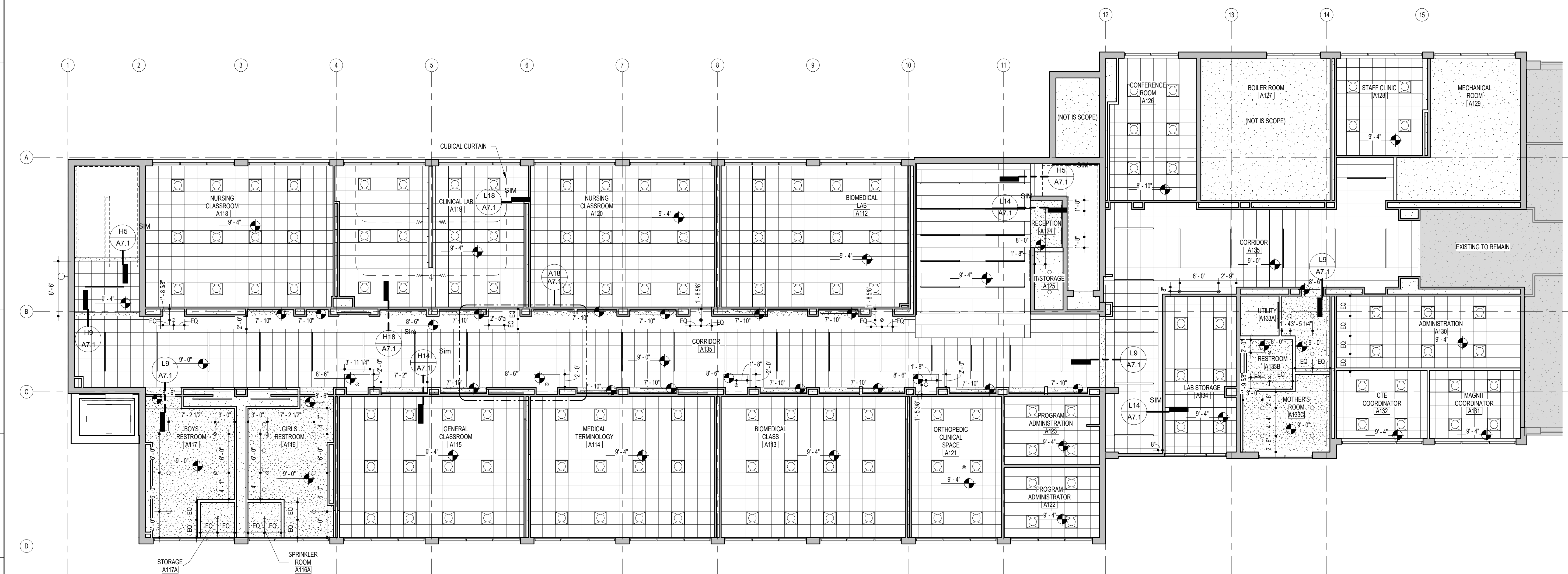
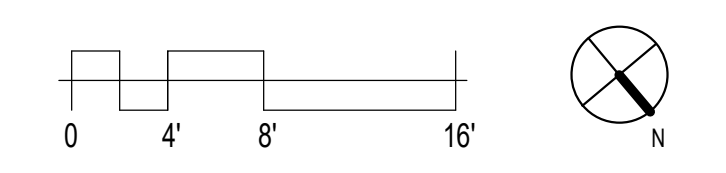
FIRST FLOOR & REFLECTED CEILING DEMO. PLANS
WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD., NEWPORT NEWS, VA 23601

DATE	DESCRIPTION

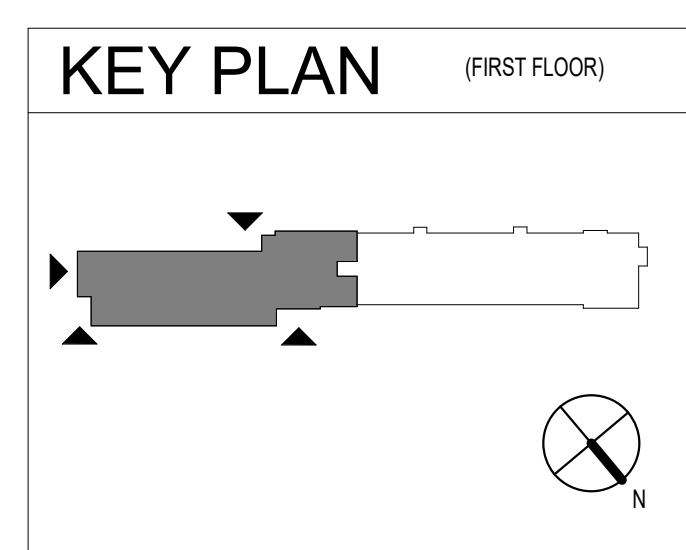
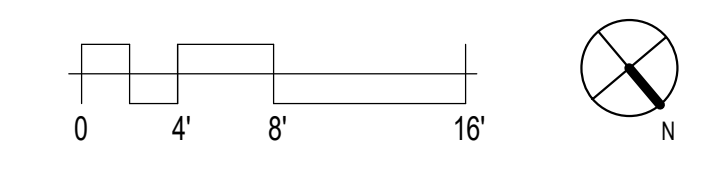
A1.1
6/8/2022
BID SET



G18 FIRST FLOOR - PARTIAL FLOOR PLAN
1/8" = 1'-0"



B18 FIRST FLOOR - PARTIAL REFLECTED CEILING PLAN
1/8" = 1'-0"



GENERAL NOTES

- GENERAL NOTE APPLICABLE TO ALL DRAWINGS - ITEMS AND CONDITIONS DETAILED, NOTED OR OTHERWISE IDENTIFIED ON ONE OF THE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.
- ALL CONSTRUCTION AND WORK REPRESENTED IN THE COMPLETE SET OF DOCUMENTS IS ASSUMED TO BE NEW AND FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
 - IF A CONFLICT EXISTS BETWEEN DRAWINGS AND SPECIFICATIONS, THE MORE STRINGENT AND MORE COSTLY REQUIREMENT TO APPLY. ITEMS SHOWN ON THE DRAWINGS, BUT NOT SPECIFIED, TO APPLY AND BE PROVIDED BY THE CONTRACTOR. IF AN ITEM IS SHOWN ON THE DRAWINGS, BUT IS NOT INCLUDED IN THE SPECIFICATIONS, PROVIDE ITEM OF A QUALITY LEVEL CONSISTENT WITH THE GENERAL QUALITY LEVEL OF THE CONTRACT REQUIREMENTS. REPORT CONFLICTS BETWEEN THE DRAWINGS AND SPECIFICATIONS TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
 - IF A CONFLICT EXISTS BETWEEN DRAWINGS OF DIFFERENT SCALES, CONSULT THE ARCHITECT FOR CLARIFICATION. IN THE ABSENCE OF A WRITTEN DIMENSION, OR IN CASE OF DOUBT AS TO THE PROPER MEASUREMENT, CONSULT THE ARCHITECT FOR CLARIFICATION.
 - IF AN AREA OR SPACE IS SHOWN, BUT IS NOT CLEARLY DEFINED OR INDICATED BY NOTES, PROVIDE THE SAME MATERIALS AND FINISHES AS SCHEDULED OR SPECIFIED FOR AREAS OF SIMILAR USE ELSEWHERE IN THE BUILDING.
 - SECTIONS INDICATED ARE INTENDED TO SHOW THE SPECIFIC CONSTRUCTION WHERE REFERENCED AS WELL AS TO ESTABLISH THE GENERAL CONSTRUCTION DETAILS FOR SECTIONS THROUGHOUT THE PROJECT WHICH DO NOT HAVE SPECIFIC SECTIONS DRAWN. THE MOST SIMILAR SECTIONS TO BE ADAPTED TO ANY SECTIONS NOT DETAILED. ANY SPECIFIC QUESTIONS CONCERNING CONSTRUCTION NOT ADEQUATELY COVERED BY THE ABOVE SHOULD BE DIRECTED TO THE ARCHITECT DURING THE BIDDING.
 - TYPICAL DETAILS THROUGHOUT THE DRAWING SET TO APPLY FOR ALL APPLICABLE CONDITIONS EVEN IF NOT SPECIFICALLY SHOWN OR REFERENCED.
 - SEE STRUCTURAL DRAWINGS FOR ACTUAL STRUCTURAL STEEL AND BEARING ELEVATIONS.
 - AT ALL OUTSIDE CORNERS OF INTERIOR CMU WALLS, COLUMN ENCLOSURES, PIPE CHASES OR OTHER WALL PROJECTIONS, PROVIDE MASONRY UNITS WITH BULLNOSE (ROUNDED) EDGES WITH 1" RADII, UNLESS OTHERWISE NOTED OR WHERE SCHEDULED TO RECEIVE CERAMIC TILE. WHERE MASONRY CORNERS ALIGN WITH BULLNOSE, TRANSITION FROM BULLNOSE CORNER UNITS TO SQUARE CORNER UNITS.
 - UNLESS SPECIFICALLY NOTED OTHERWISE, ENCLOSE ALL VERTICAL MECHANICAL PIPES, RAIN LEADERS, ETC. WITH 4" CMU OR GYPSUM BOARD TO MATCH SURROUNDING FINISHES.
 - REFER TO PLANS AND ELEVATIONS FOR LOCATIONS OF CONTROL JOINTS (C.J.) AND EXPANSION JOINTS (E.J.) IN EXTERIOR MASONRY UNITS. IF A CONFLICT EXISTS BETWEEN JOINT LOCATIONS SHOWN ON THE ELEVATIONS AND PLANS, CONSULT THE ARCHITECT FOR CLARIFICATION. REFER TO CONSTRUCTION REFLECT TO FLOOR PLANS FOR LOCATIONS OF CONTROL JOINTS (C.J.) IN INTERIOR MASONRY WALLS.
 - REFER TO BUILDING ELEVATIONS AND ELEVATION DETAILS FOR MASONRY PATTERNS.
 - INCLUDE PROJECTIONS, BEAM ENCLOSURES, RECESSES AND SIMILAR ENCLOSURES AS PART OF WALL AND CEILING FINISHES AS SCHEDULED.
 - ALL APURTENANCES BUILT INTO OR THROUGH WALLS, INCLUDING DOORS, DUCTS, WINDOWS, LOUVERS, GRILLES, MECHANICAL WORK, ETC., SHOULD BE THOROUGHLY SEALED AND FINISHED TO MATCH EXTERIOR WALLS TO BE FLASHED OR OTHERWISE WATERPROOF SEALED.
 - FIELD CHECK ROUGH AND/OR FINISHED DIMENSIONS FOR ACCURATE FITTINGS OF CABINETS, COUNTERS, LOCKERS, DOORS, WINDOWS, FRAMES, SHELVEING, GATES AND OTHER ITEMS PRIOR TO CONSTRUCTION. PROVIDE NECESSARY LINTELS, SUPPORT AND ANCHORAGE. SEE STRUCTURAL NOTES FOR LINTEL REQUIREMENTS.
 - REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR LOCATIONS OF CONCRETE PADS TO BE PROVIDED BELOW OR AROUND EQUIPMENT.
 - INSTALL ELECTRIC SWITCHES, THERMOSTATS, CONTROLS, CLOCKS, SPEAKERS, FLAGPOLE HOLDERS AND OTHER WALL-MOUNTED ACCESSORIES IN LOCATIONS WHICH ARE UNOBSTRUCTED BY CABINETS, COUNTERS, RACKS, DISPLAY BORDS, FIXTURES, SHELVEING OR OTHER FURNISHINGS OR EQUIPMENT DESIGNATED FOR SPACES SHOWN ON DRAWINGS. THESE ITEMS SHOULD BE SHOWN ON THE ARCHITECTURAL DRAWINGS TO ALERT OTHER SUB-CONTRACTORS OF THEIR PRESENCE. COORDINATE INSTALLATION WITH THE ELECTRICAL DRAWINGS. ADVISE THE ARCHITECT OF CONFLICTS IN LOCATION OR TYPES OF DEVICES SHOWN PRIOR TO INSTALLATION. DO NOT INSTALL WALL-MOUNTED ITEMS ON, THROUGH OR INTO ANY EQUIPMENT UNLESS INDICATED.
 - MOUNT ELECTRIC SWITCHES, THERMOSTATS AND OTHER ELECTRONIC CONTROLS LOCATED IN THE SAME VICINITY AT THE SAME HEIGHT ABOVE FINISHED FLOOR IN A UNIFORM, ORDERLY FASHION UNLESS NOTED OTHERWISE.
 - FOR THE PURPOSES OF BIDDING UNLESS OTHERWISE SPECIFIED, ALL SYMBOLS (TAGGED OR UNLABLED/TAGGED) WHICH ARE LOCATED ON THE FURNISHING/EQUIPMENT PLANS TO BE CONSIDERED AS IN CONTRACT WORK TO BE PROVIDED BY THE CONTRACTOR. ALL SYMBOLS LOCATED ON THE PLANS DENOTE EITHER FURNITURE, EQUIPMENT, CASEWORK OR MILLWORK, WHERE A SYMBOL IS LOCATED ON THE PLANS BUT IS NOT LABELED OR TAGGED TO A SCHEDULE, THE CONTRACTOR MUST SEEK CLARIFICATION FROM THE OWNER OR ARCHITECT BEFORE PROCEEDING. FOR PURPOSES OF BIDDING ONLY, IF CLARIFICATION CANNOT BE OBTAINED FROM THE OWNER OR ARCHITECT THROUGH ADDENDUM PRIOR TO THE BID DATE, THE CONTRACTOR MUST NEVERTHELESS INCLUDE THE ITEM IN QUESTION IN THE BID, CONSIDERING IT THE SAME AS THE TAGGED SYMBOL, MOST NEARLY RESEMBLING THE UNTAGGED SYMBOL BASED ON ITS SHAPE, SIZE, UNWEIGHTS, LOCATION, AND SCHEDULED USAGE IN SPACES OF SIMILAR FUNCTION. THE CONTRACTOR MUST OBTAIN CLARIFICATION FROM THE ARCHITECT PRIOR TO PROCEEDING WITH SHOP DRAWINGS.



GENERAL PLAN NOTES

- REFER TO SHEET A13.3 FOR WALL TYPES AS REFERENCED ON PLANS WITH THE DIAMOND SYMBOL.
- TYPICAL CMU INTERIOR PARTITION TO BE TYPE A1 UNLESS INDICATED OTHERWISE BY WALL TYPE SYMBOLS, WALL SECTIONS OR OTHER DETAILS.
- TYPICAL GYPSUM BOARD STUD WALL PARTITION TO BE TYPE K1 UNLESS INDICATED OTHERWISE BY WALL TYPE SYMBOLS, WALL SECTIONS OR OTHER DETAILS.
- TYPICAL CMU CHASE WALLS TO BE TYPE A1 UNLESS INDICATED OTHERWISE BY WALL TYPE SYMBOLS, WALL SECTIONS OR OTHER DETAILS.
- TYPICAL GYPSUM BOARD CHASE WALLS TO BE TYPE X1 UNLESS INDICATED OTHERWISE BY WALL TYPE SYMBOLS, WALL SECTIONS OR OTHER DETAILS.
- UNLESS NOTED OTHERWISE, WALLS MUST EXTEND TO THE ROOF OR FLOOR DECK ABOVE AND BE SEALED IN ACCORDANCE WITH THE WALL TERMINATION DETAILS. REFER TO THE CODE STUDY PLAN FOR IDENTIFICATION OF ALL SMOKE AND FIRE WALL CONDITIONS. FIREMETERS, CORRIDOR AND LOBBY WALLS MUST BE BUILT TO RESIST THE PASSAGE OF SMOKE.
- DIMENSIONS ON PLANS ARE FROM FACE OF MASONRY TO FACE OF MASONRY; FACE OF MASONRY TO FACE OF GYPSUM BOARD OR FACE OF GYPSUM BOARD TO FACE OF GYPSUM BOARD.
- COLUMN GRID LINES ARE FOR REFERENCE ONLY. REFER TO STRUCTURAL DRAWINGS FOR COLUMN LOCATIONS.
- FEC - INDICATES A FIRE EXTINGUISHER WITH A RECESSED CABINET. FE - INDICATES A FIRE EXTINGUISHER WITH A WALL MOUNTING BRACKET.
- UNLESS SPECIFICALLY INDICATED OTHERWISE, THE SAME WALL TYPE NEXT TO A DOOR OR OPENING TO CONTINUE OVER THE DOOR OR OPENING.
- PLAN LOCATION OF DOORS AND FRAMES RELATIVE TO THE PLANE OF THE WALL IS DIAGRAMMATIC ONLY. REFER TO THE REFERENCED JAMB AND HEAD CONDITION DETAILS TO DETERMINE ACTUAL PLACEMENT OF DOOR AND FRAME.
- ALL CORRIDOR WALLS TO RECEIVE 6X6 CERAMIC TILE TO MATCH EXISTING.
- ALL INFILL WALL SHALL MATCH ADJACENT SURFACE (MATERIAL, TEXTURE, FINISH).

RCP NOTES

- GENERAL NOTE APPLICABLE TO ALL DRAWINGS - ITEMS AND CONDITIONS DETAILED, NOTED OR OTHERWISE IDENTIFIED ON ONE OF THE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.
- TYPICAL CEILING HEIGHT TO BE 9'-4" UNLESS OTHERWISE INDICATED ON REFLECTED CEILING PLANS. TOILETS AND STORAGE ROOMS TO BE 8'-0" U.O.A.
 - REFER TO ELECTRICAL DRAWINGS FOR LIGHT PATTERN AND EXIT LIGHT LOCATIONS. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO SHOP DRAWINGS.
 - ALL WALLS SHOWN EXTEND TO THE STRUCTURAL DECK (SEE WALL TYPES); CORRIDOR CHASE WALLS TO EXTEND 4" MINIMUM ABOVE THE CEILING.
 - REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ITEMS NOT SHOWN ON CEILING PLAN, GRILLES, SPEAKERS, SPRINKLERS, HEAT & SMOKE DETECTORS, TO BE CENTERED IN TILES UNLESS NOTED OTHERWISE.
 - ALL BULKHEAD DIMENSIONS ARE FROM FINISH FACE OF WALL OR BULKHEAD TO FINISH FACE OF BULKHEAD.
 - PROVIDE 1/2" REVEALS BETWEEN DISSIMILAR MATERIALS ON THE SAME PLANE AT THE CEILING.
 - IN AREAS OF EXPOSED CEILING, PAINT EXPOSED STRUCTURE, UNDERSIDE OF DECK, SPRINKLER PIPING, CONDUIT AND ALL MISCELLANEOUS OVERHEAD ITEMS. COLORS TO BE SELECTED BY ARCHITECT.
 - ALL RECESSED CAN LIGHTS SHALL BE CENTERED ON CLASSROOM DOORS AND WITHIN THE BULKHEAD.
 - PROVIDE LED STRIP LIGHT AT BULKHEAD AGAINST WALL. SEE ENLARGED DETAIL.

RCP LEGEND

- | | | | |
|--|------------------------------------------|--|------------------------------------------------|
| | GYPSUM BOARD CEILING | | 2X8 CEILING SYSTEM - SEE FINISH SCHEDULE |
| | 2X2 CEILING SYSTEM - SEE FINISH SCHEDULE | | RECESSED DOWNLIGHT - SEE ELEC |
| | 1X4 RECESSED LIGHT FIXTURE - SEE ELEC | | SUPPLY DIFFUSER, REGISTER, OR GRILL - SEE MECH |
| | 2X4 RECESSED LIGHT FIXTURE - SEE ELEC | | RETURN DIFFUSER, REGISTER, OR GRILL - SEE MECH |
| | PENDANT LIGHT - SEE ELEC | | |

WALL LEGEND

- | | |
|--|---------------|
| | NEW WALL |
| | EXISTING WALL |

8609 Westwood Center Dr.
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Tysons, VA 22182
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GP #21710

FIRST FLOOR & REFLECTED CEILING PLANS
WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD., NEWPORT NEWS, VA 23601

DATE	DESCRIPTION

A1.2
6/8/2022
BID SET

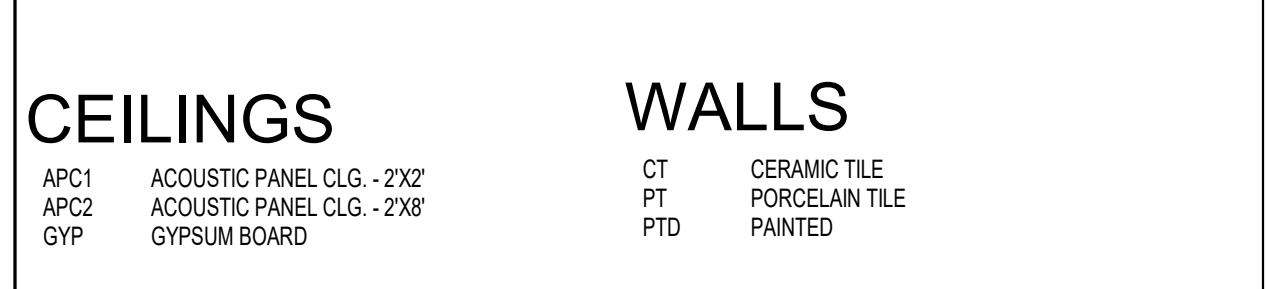
TYPICAL FINISHES

Table with columns: SPACES NOT LISTED ON THE SCHEDULE TO HAVE THE TYPICAL FINISHES LISTED BELOW, FLOORS, BASE, CEILING, etc.

FINISH MATERIALS

Table with columns: FLOORS, BASES, CEILINGS, WALLS, listing materials like Ceramic Tile, Porcelain Tile, etc.

WALL KEY



TYPICAL NOTES

- List of 15 typical notes regarding finishes, including instructions for ceiling heights, wall treatments, and electrical panel locations.

NUMBERED REMARKS

- Column of numbered remarks (1-9) detailing specific construction notes for various areas of the project.

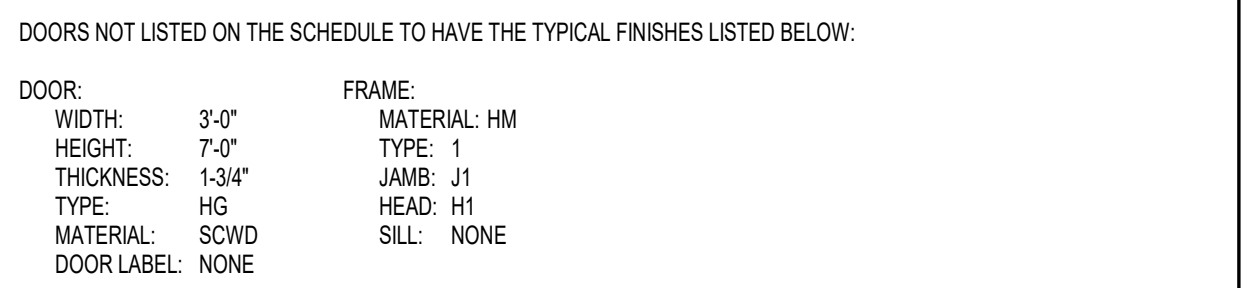
FINISH SCHEDULE

Large table listing room numbers, names, floor bases, wall types (A, B, C, D), and clg. matl. for various rooms like Program Administrator, Biomedical Lab, etc.

DOOR SCHEDULE

Table listing door numbers, nominal sizes, frame sections, door label fire ratings, hardware sets, and remarks for various doors.

TYPICAL DETAILS



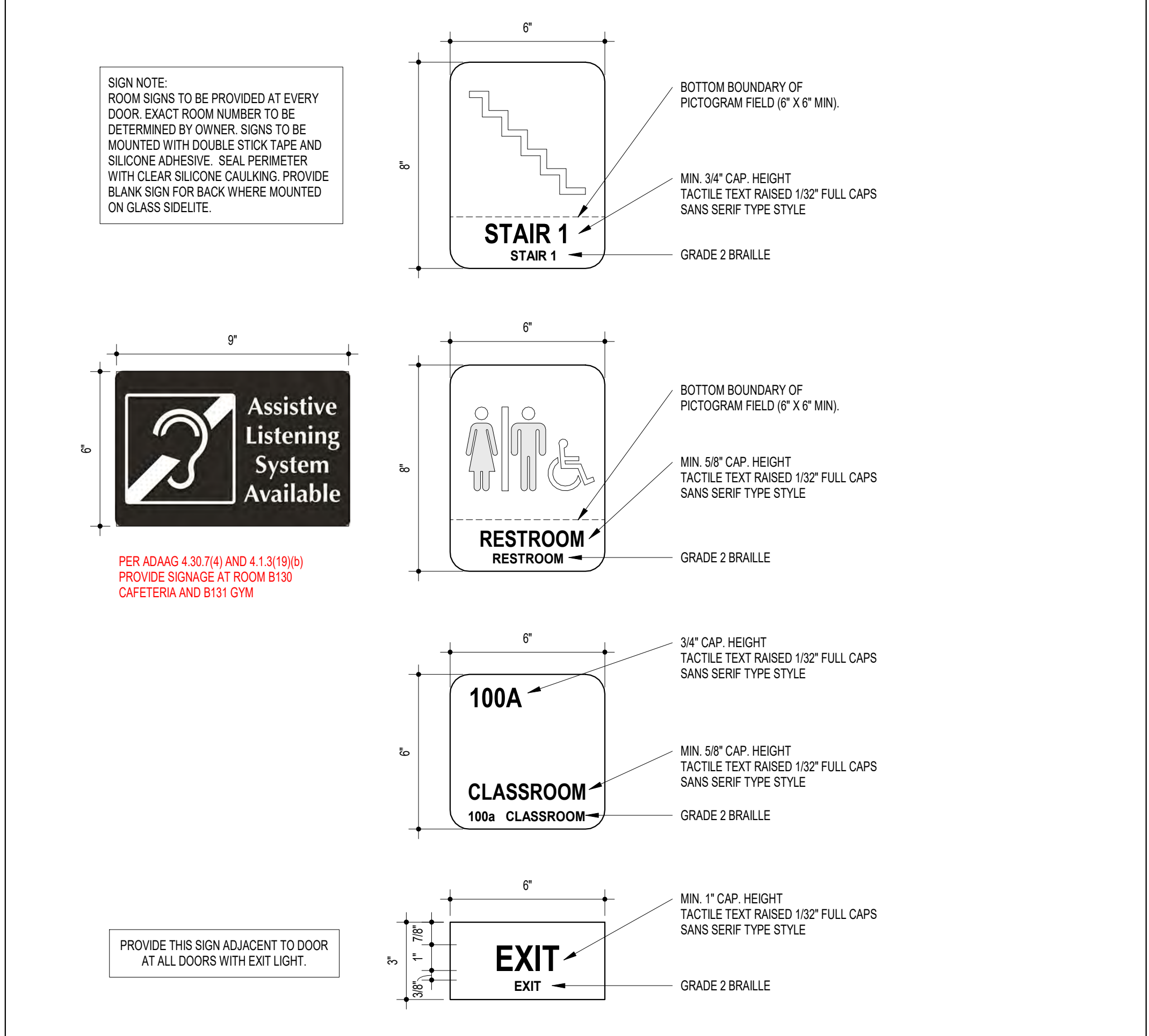
TYPICAL DOOR NOTES

- List of 10 typical door notes providing specific instructions for door installation, hardware, and fire ratings.

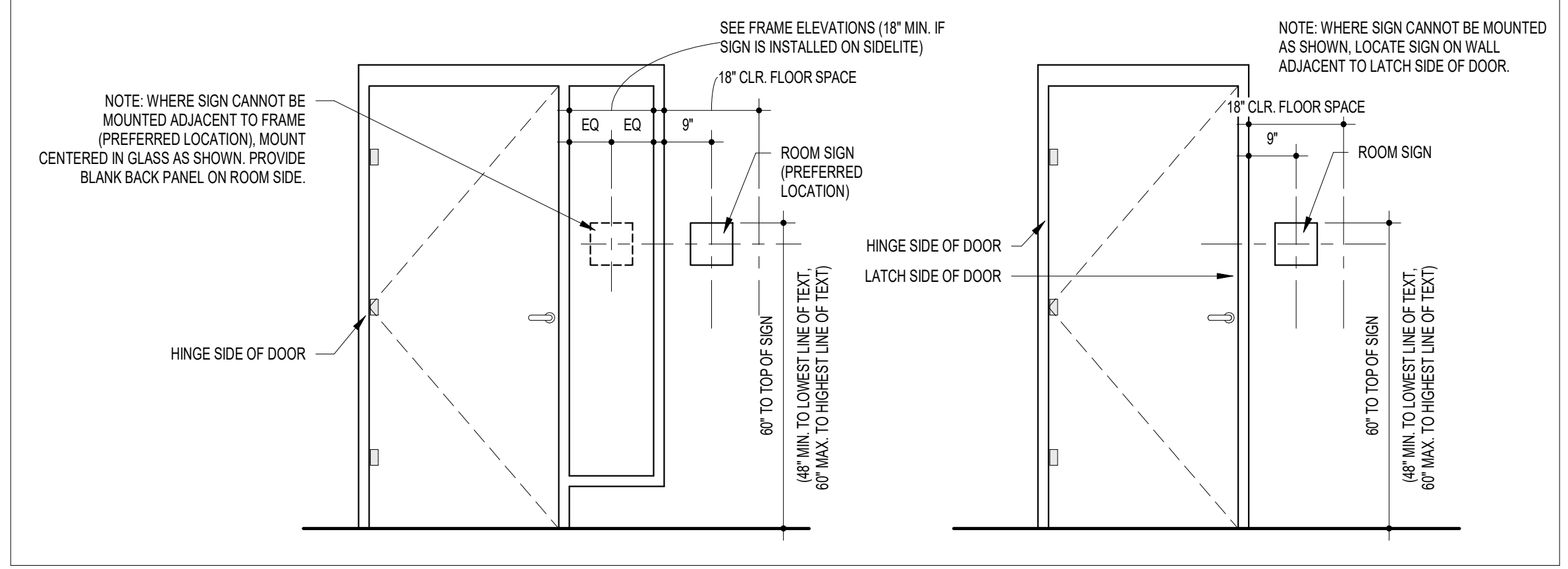
NOTES FOR REMARKS COLUMN

- List of 20 notes for the remarks column, covering ADA compliance, door operation, and hardware requirements.

ROOM SIGNAGE ELEVATION



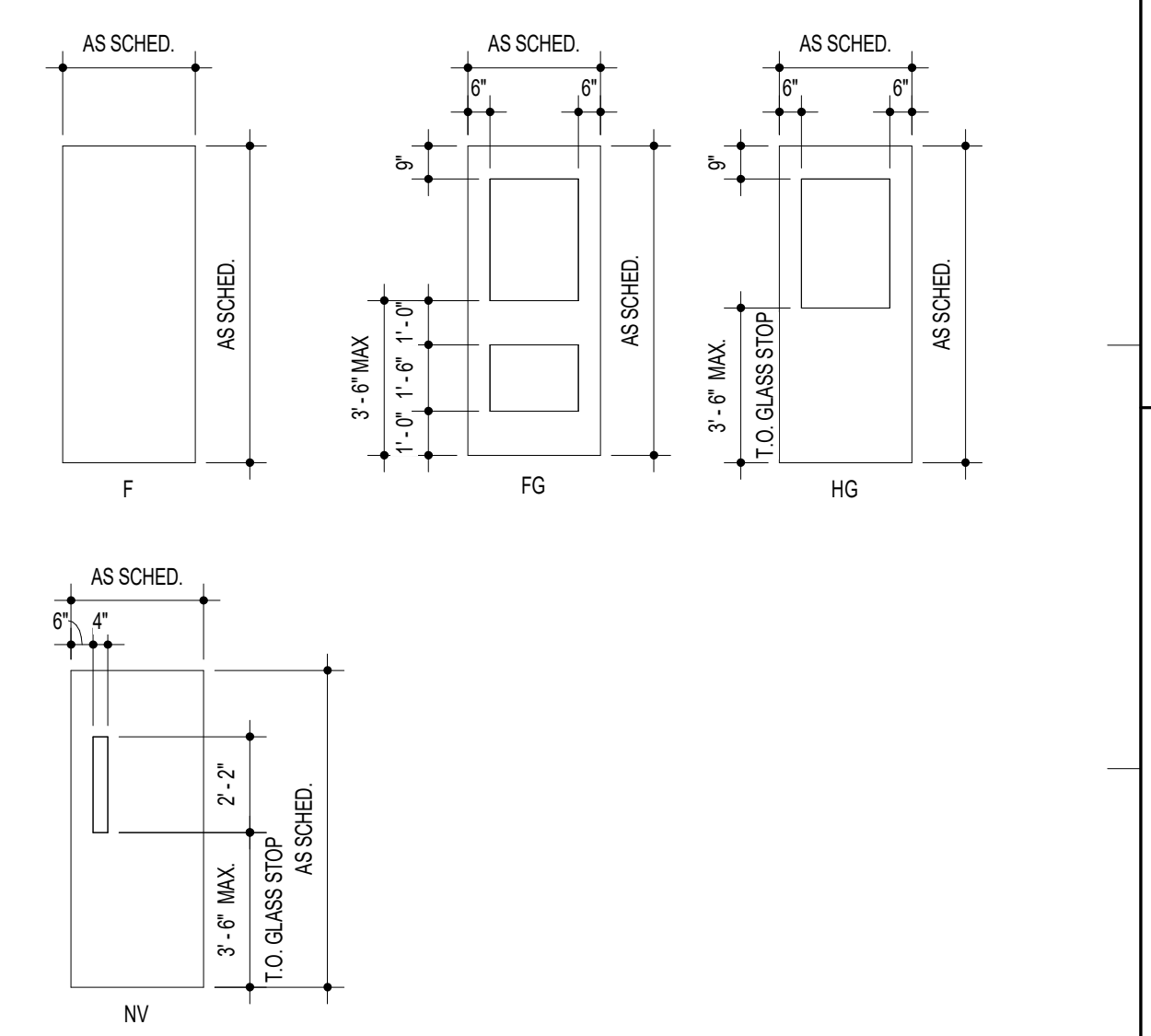
ROOM SIGNAGE LOCATION



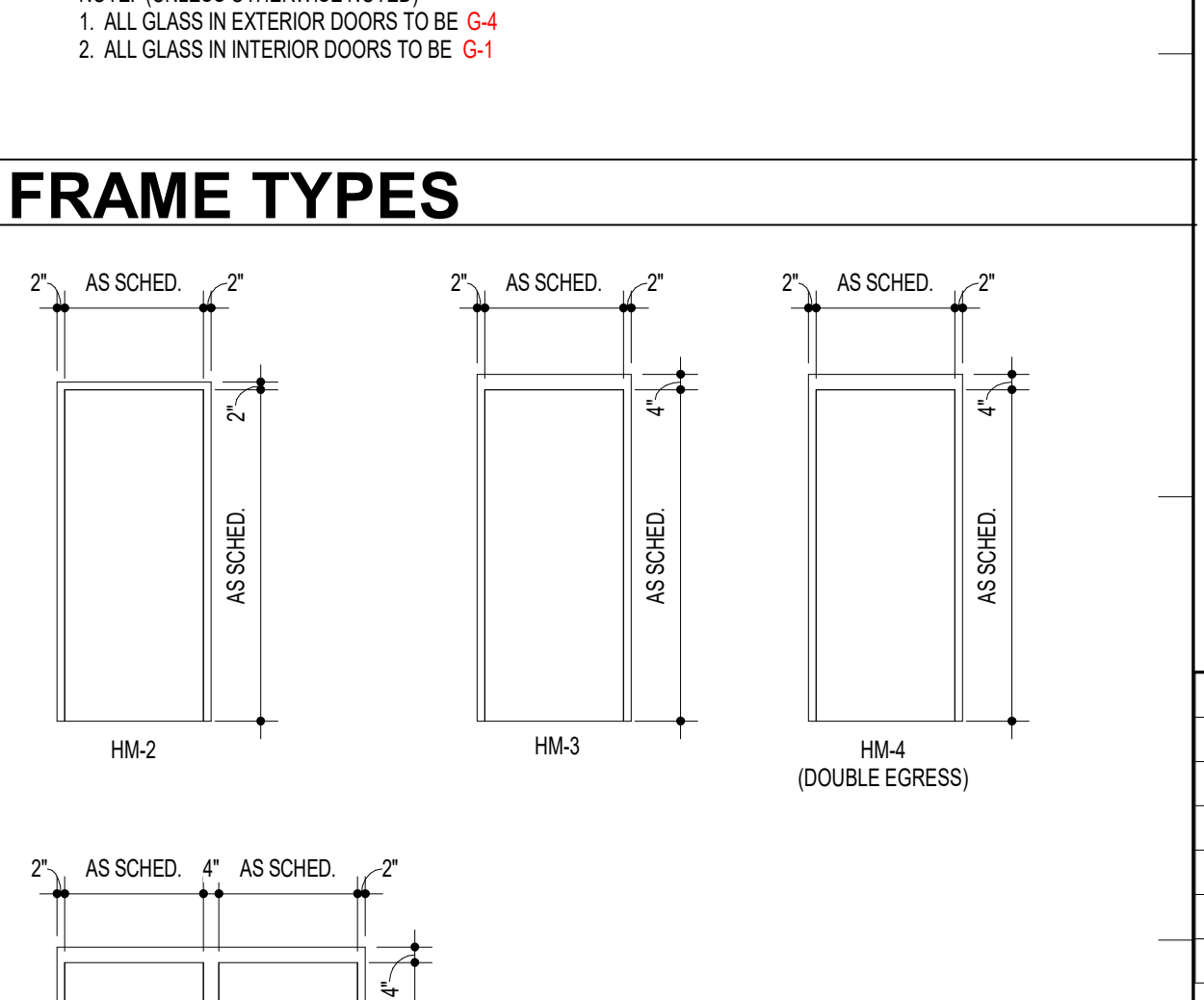
DOOR HARDWARE

Table listing door hardware sets (Set #12, Set #811, Set #813, Set #826, Set #829, Set #801, Set #802, Set #803) and their components like hinges, locks, and handles.

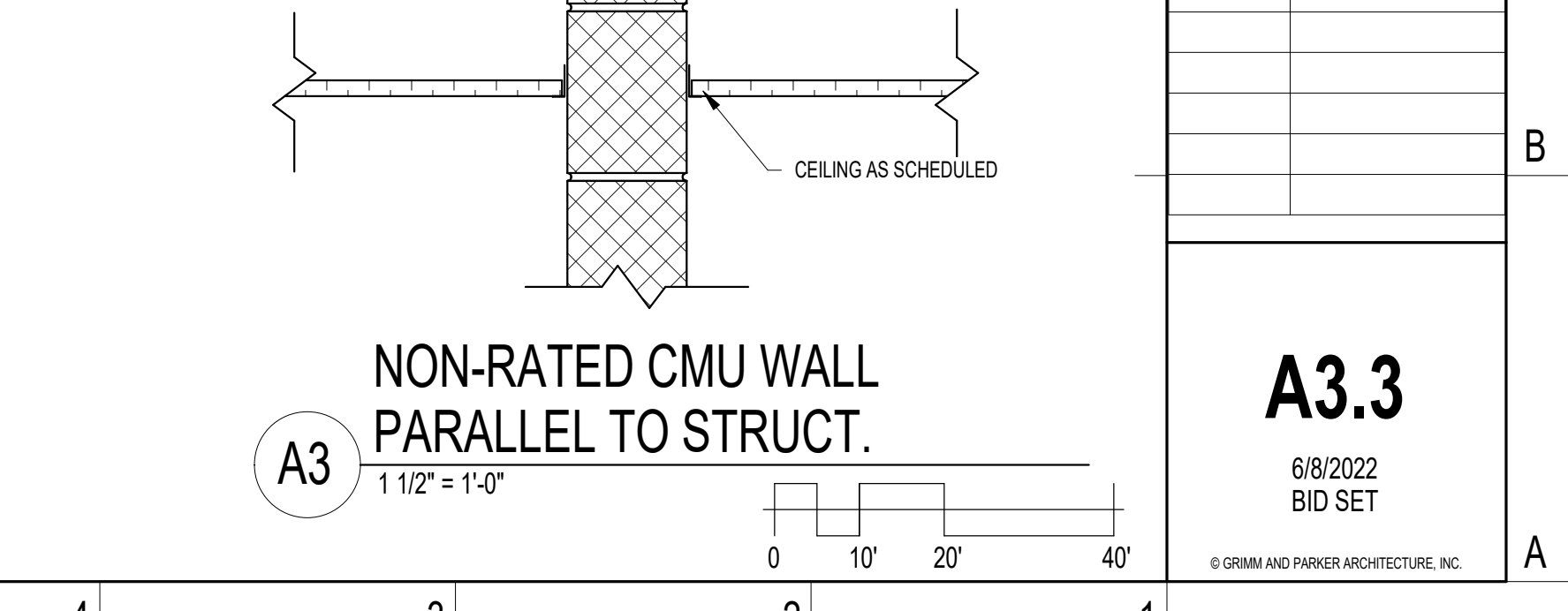
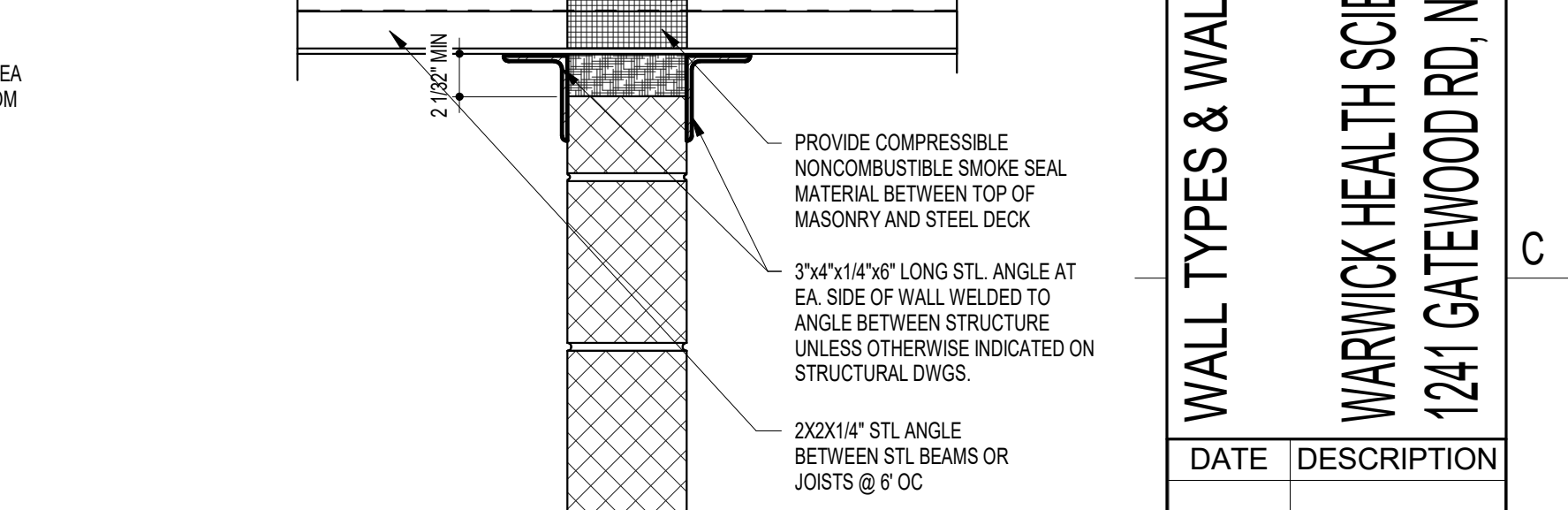
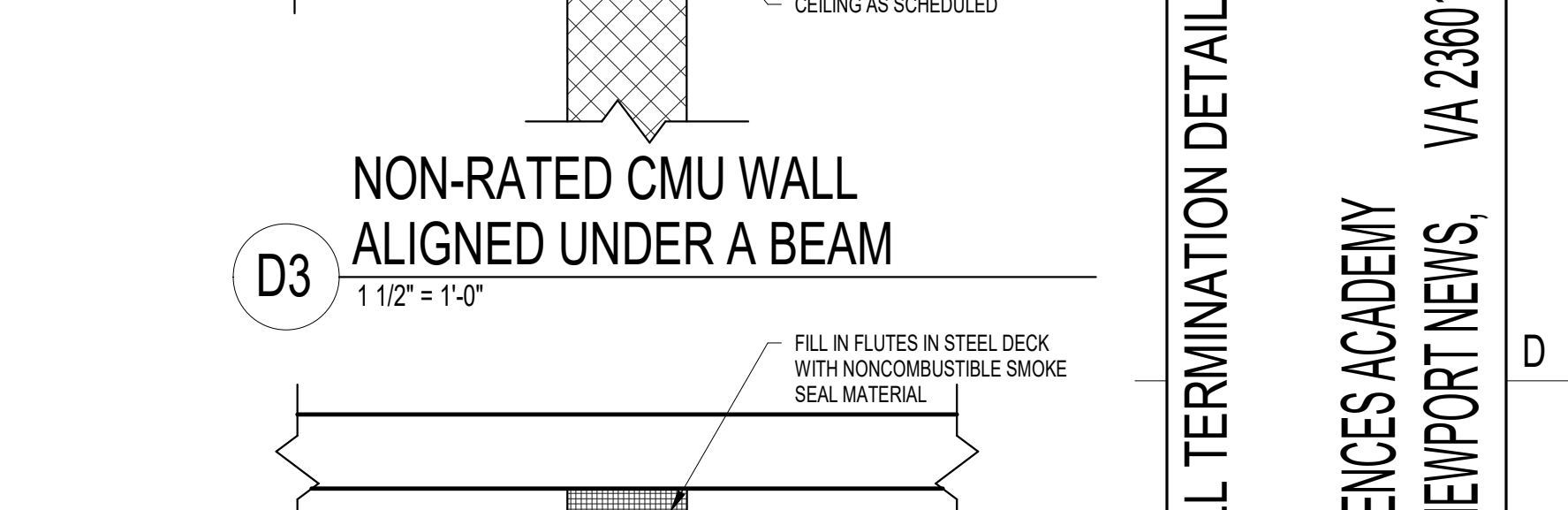
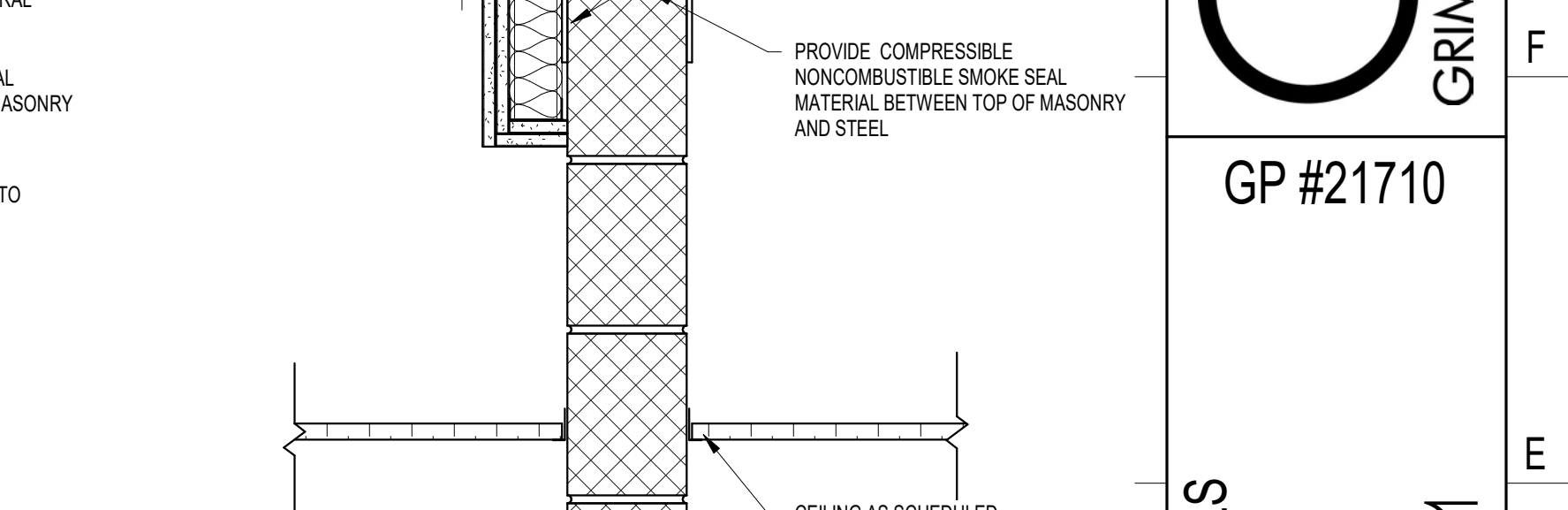
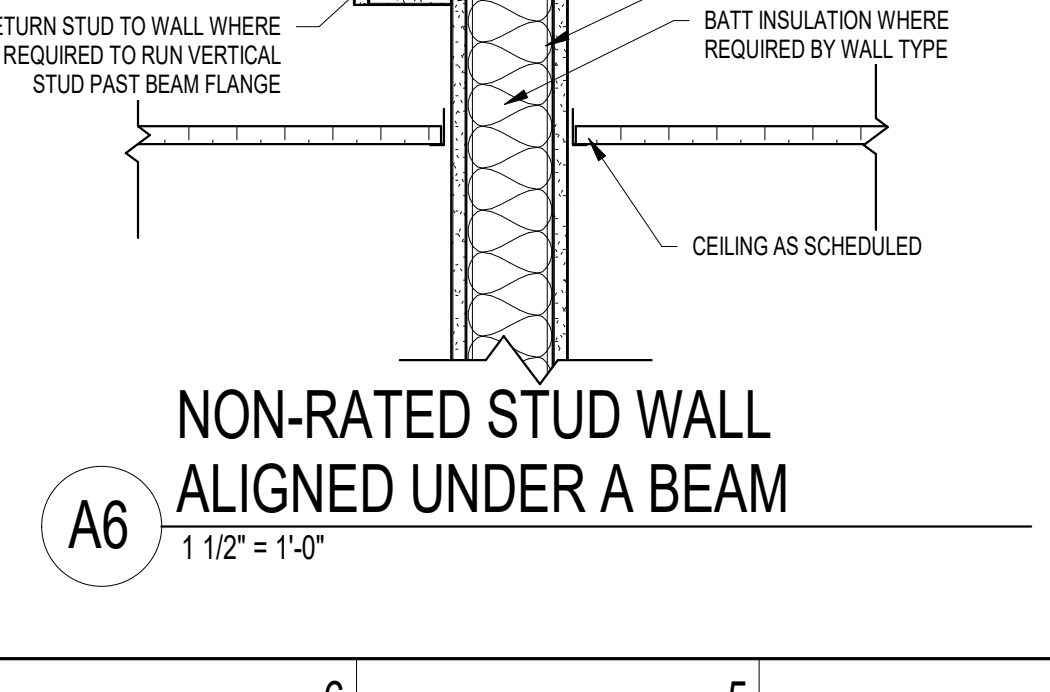
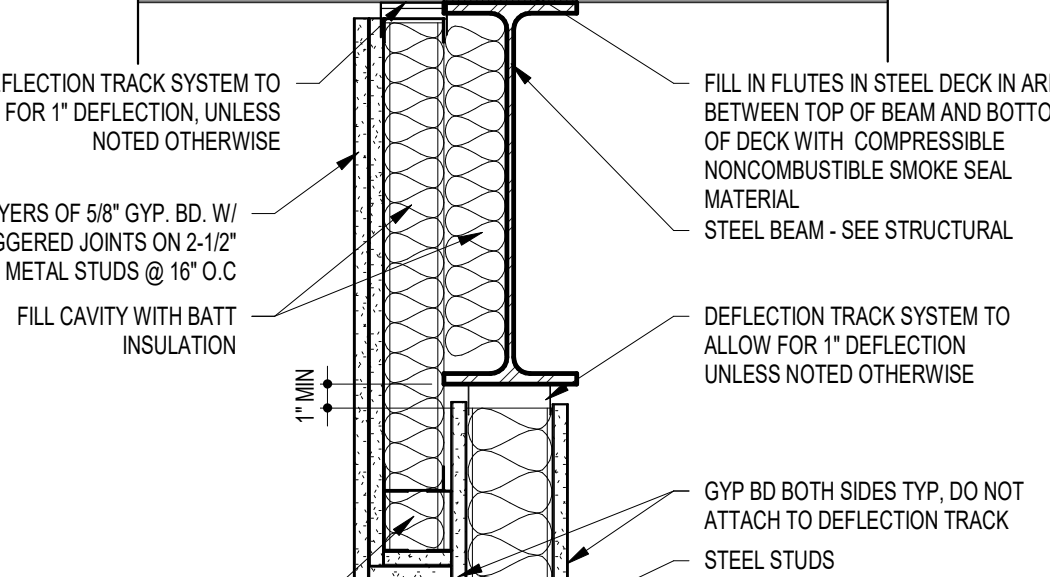
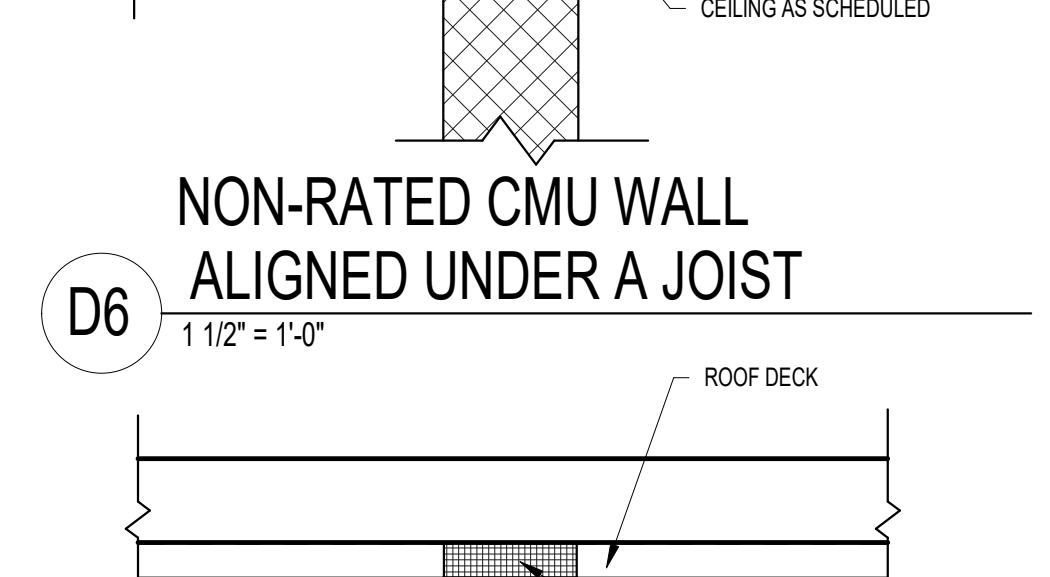
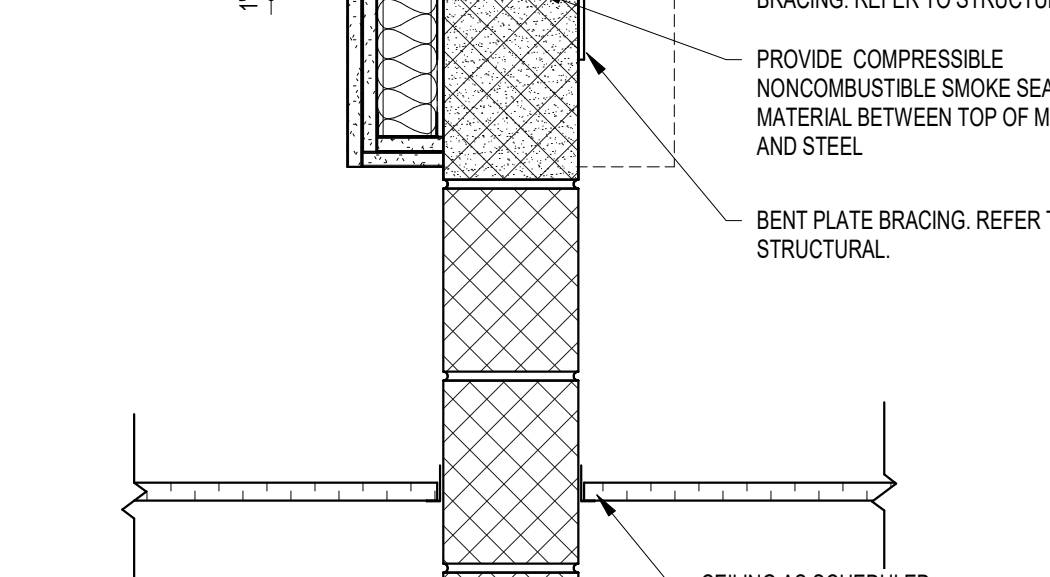
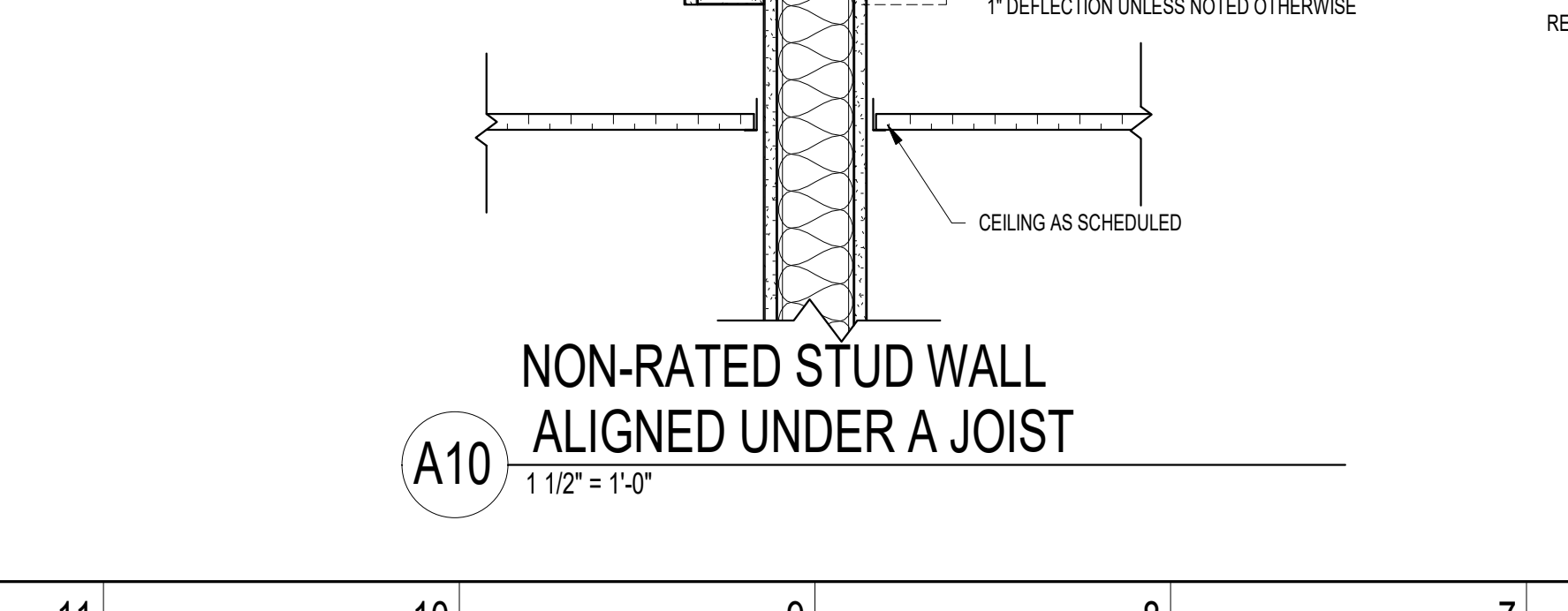
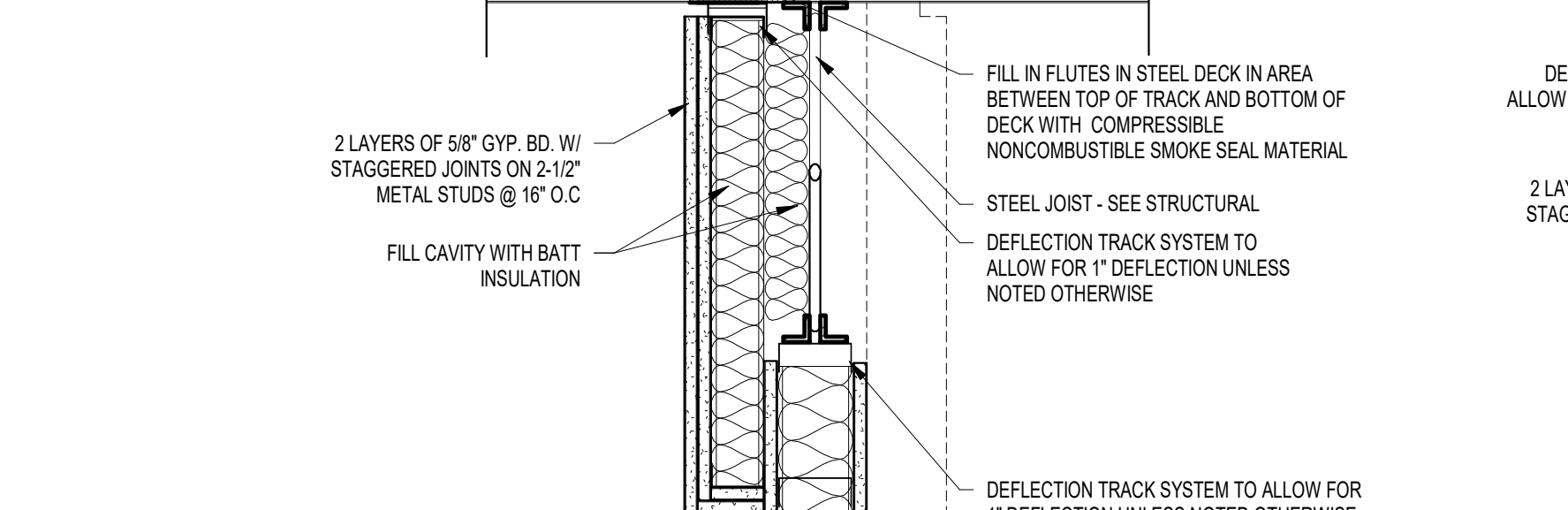
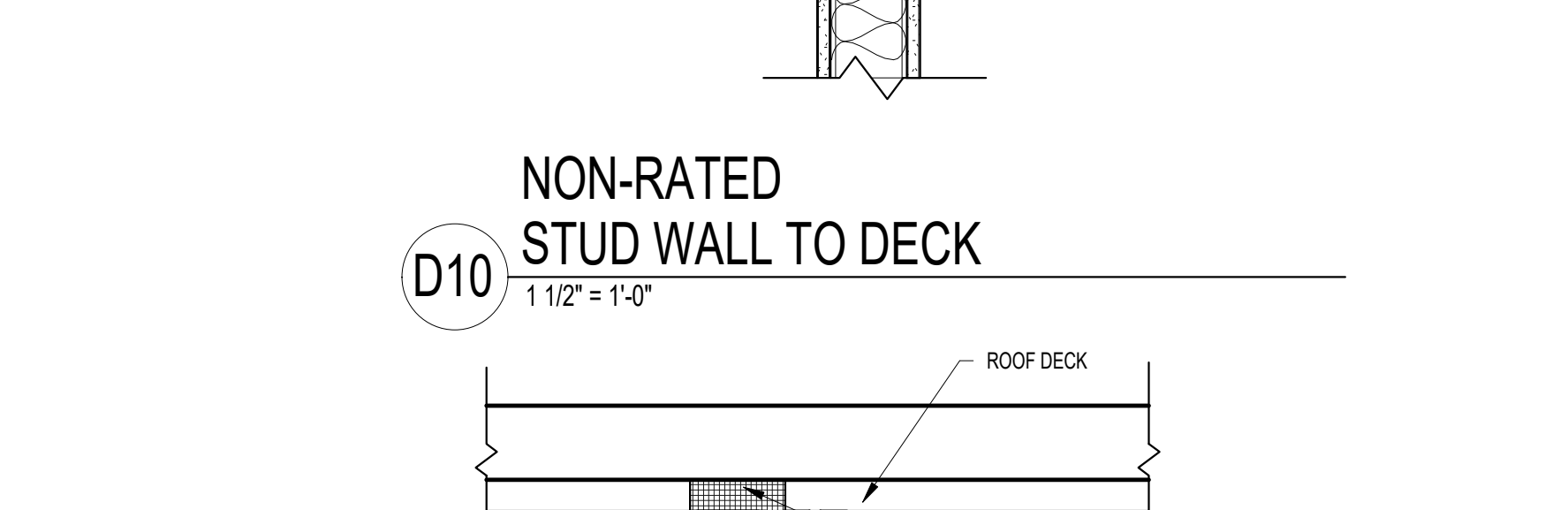
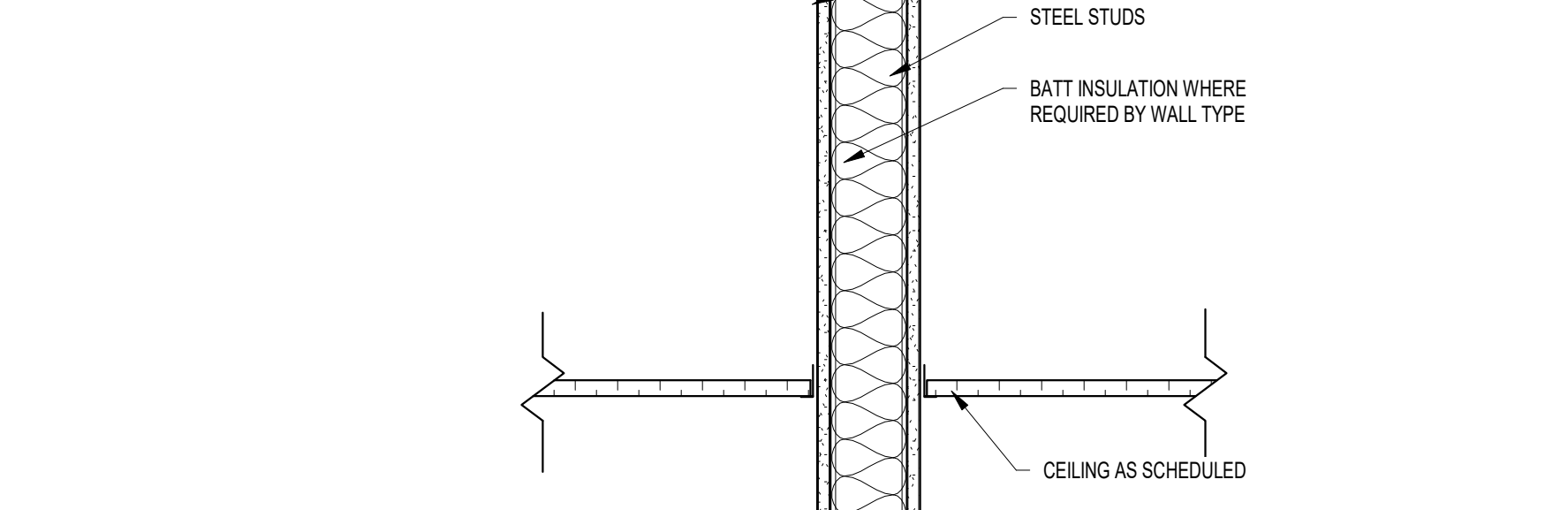
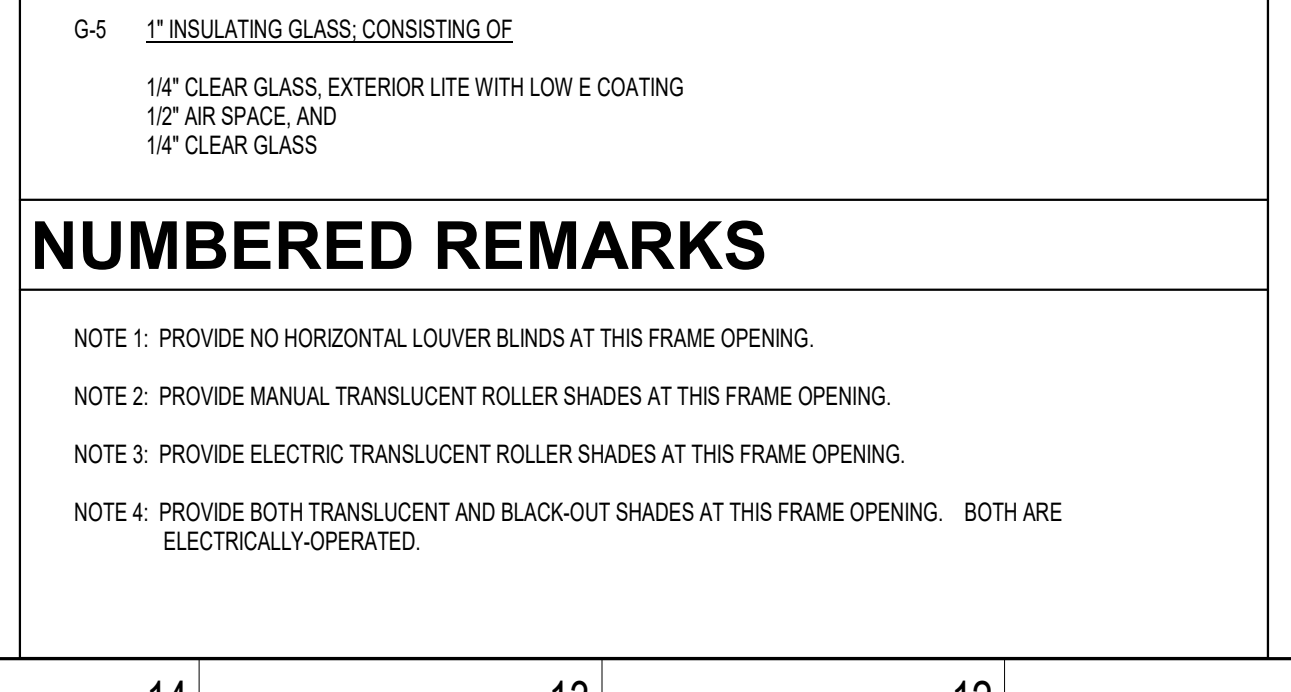
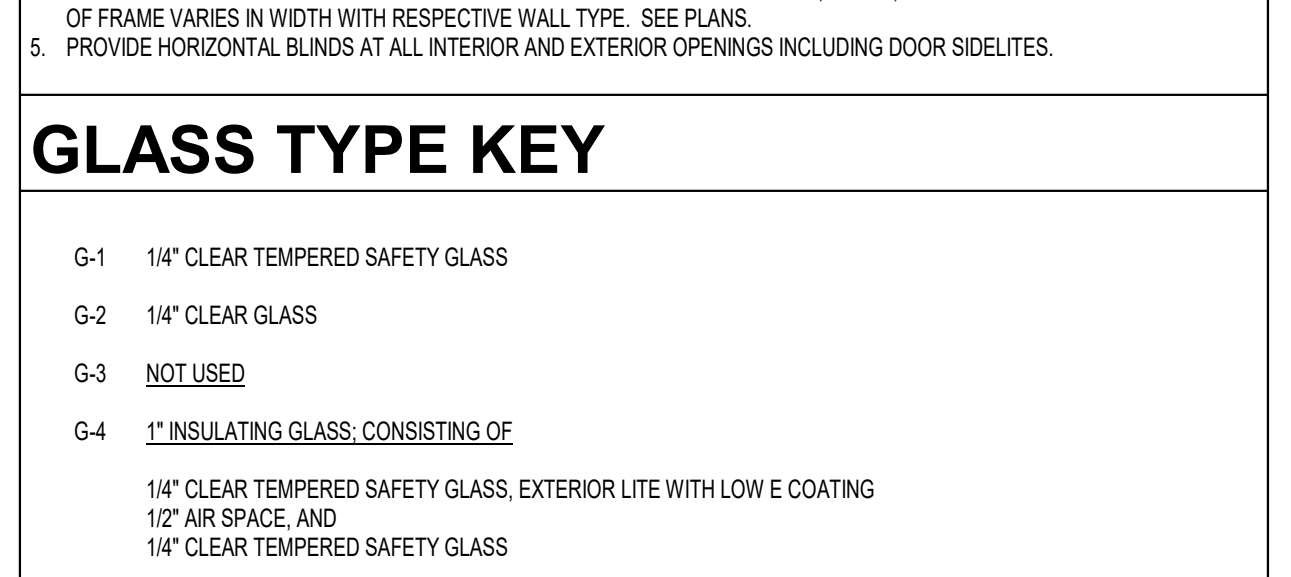
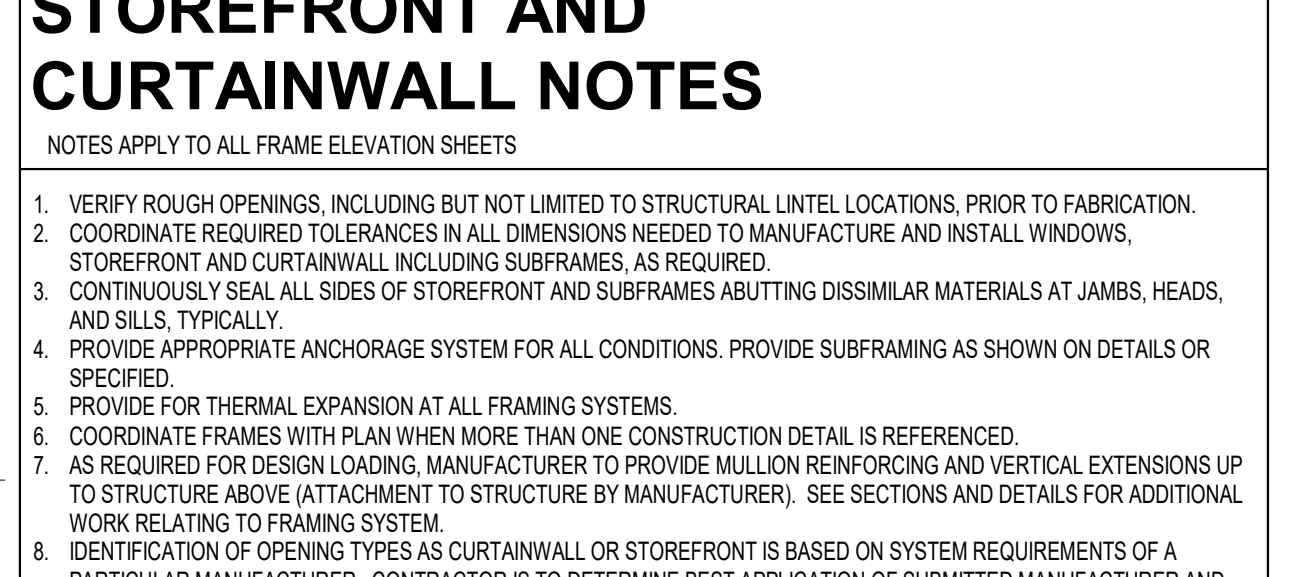
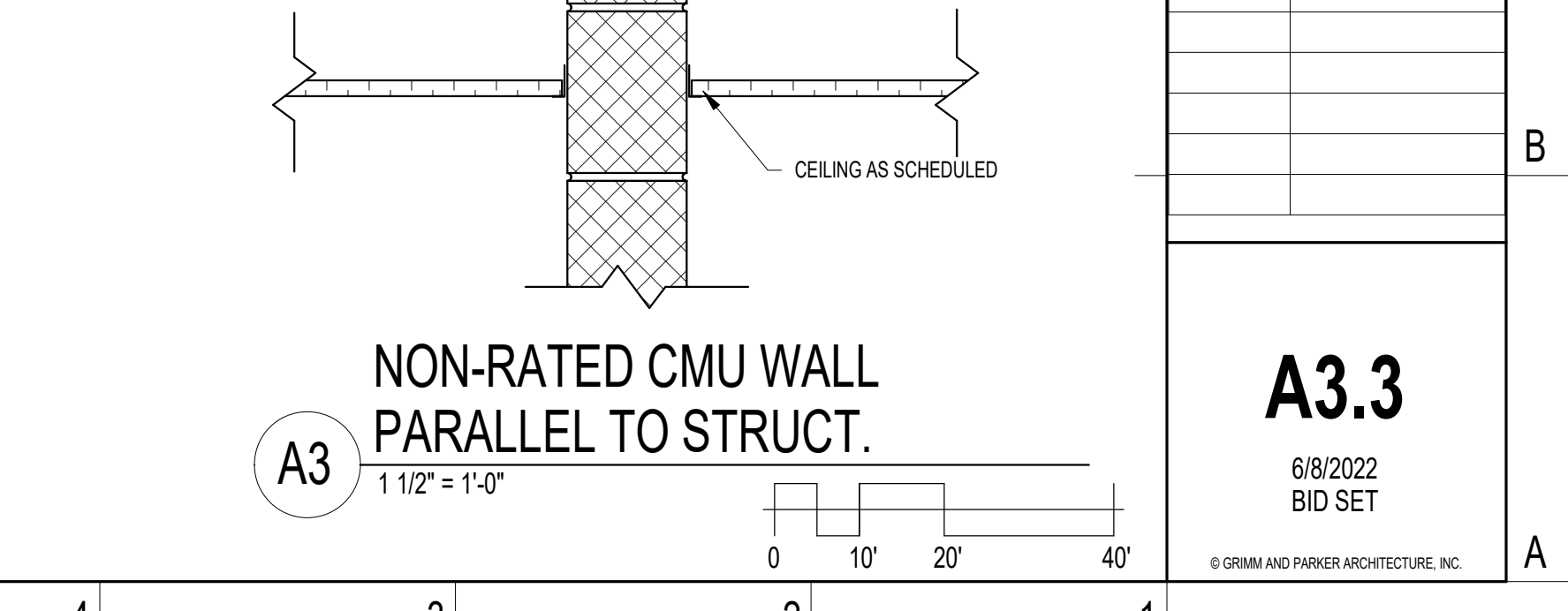
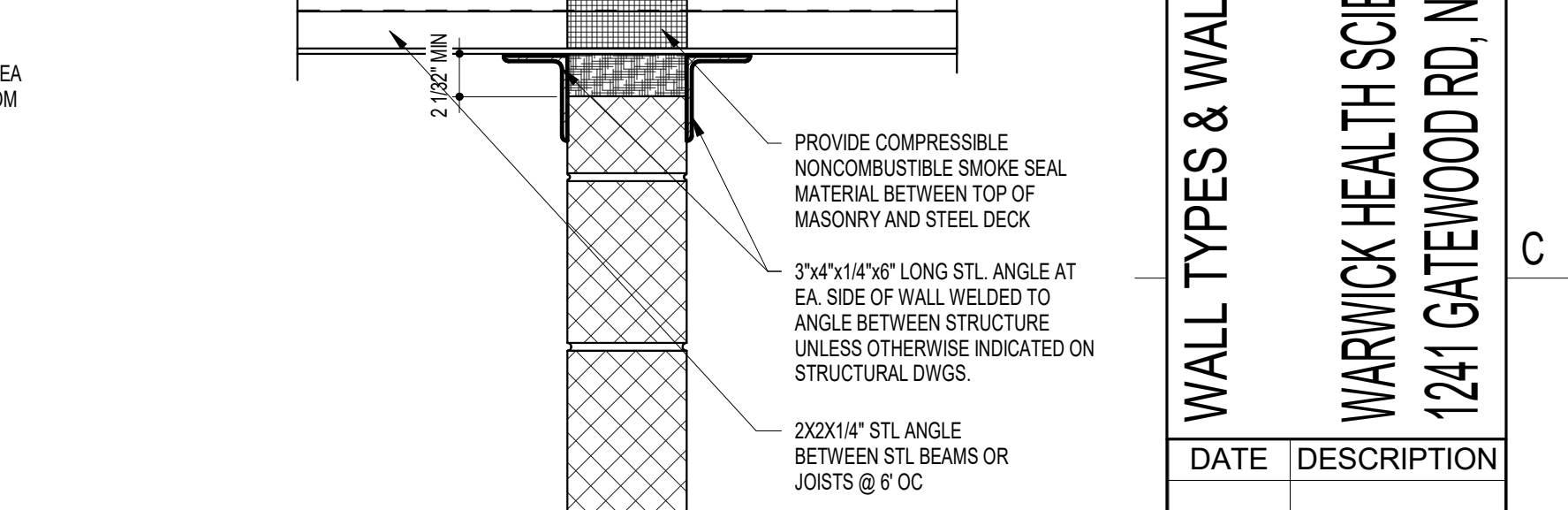
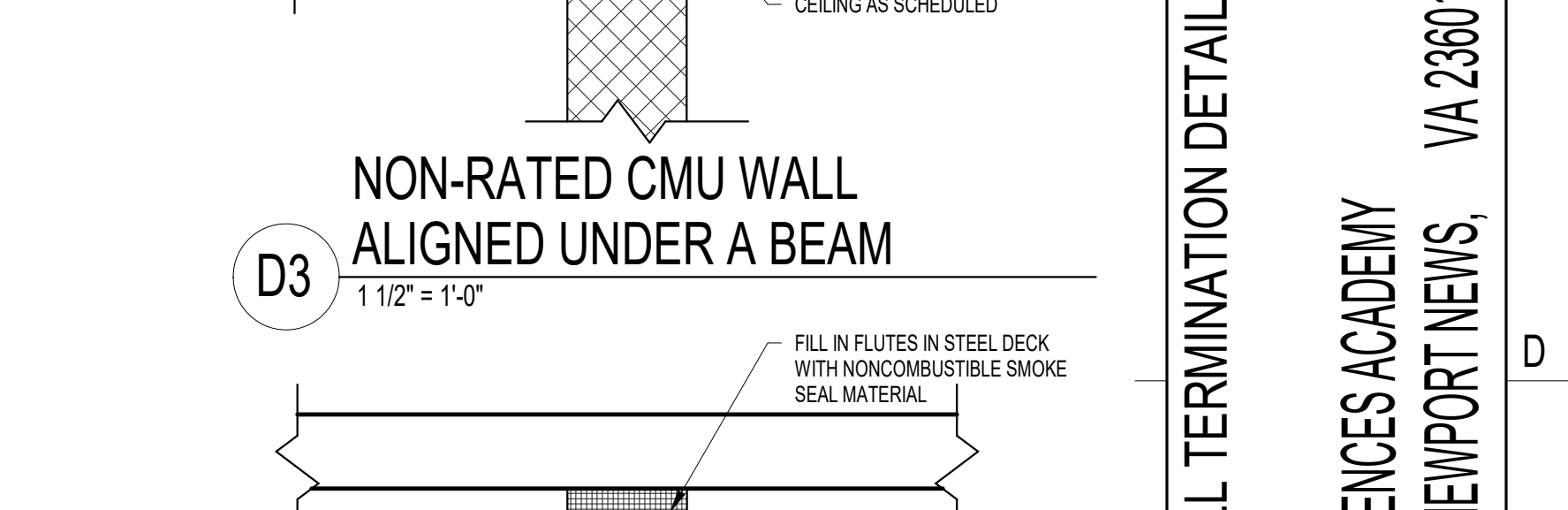
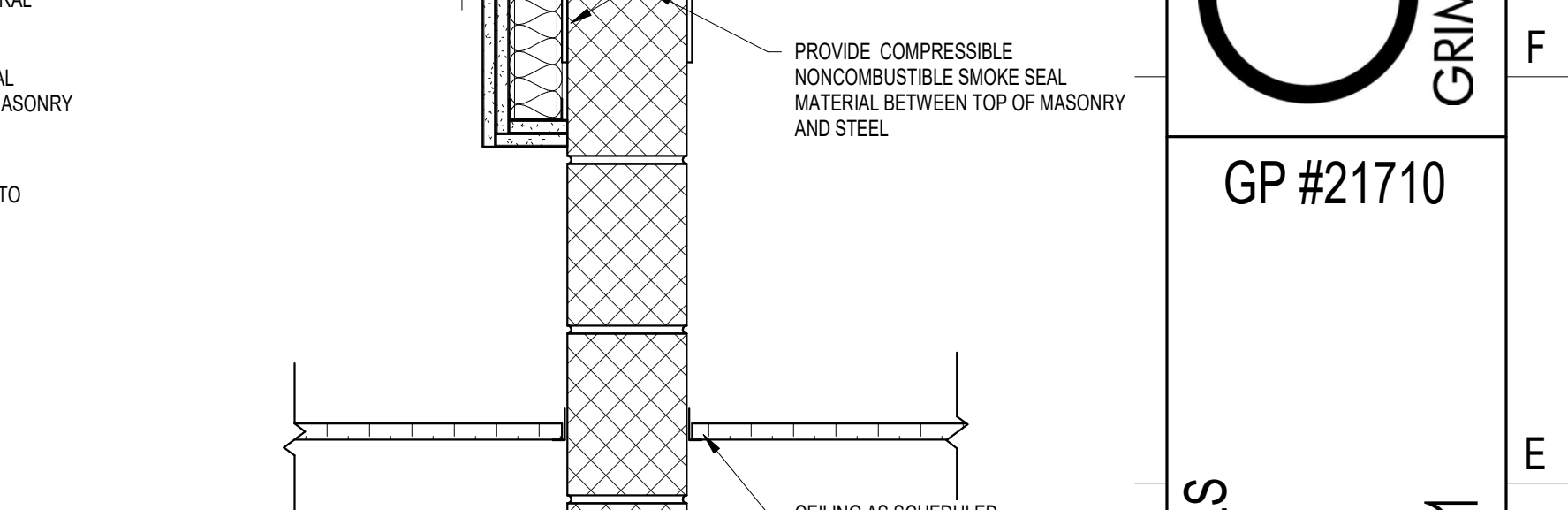
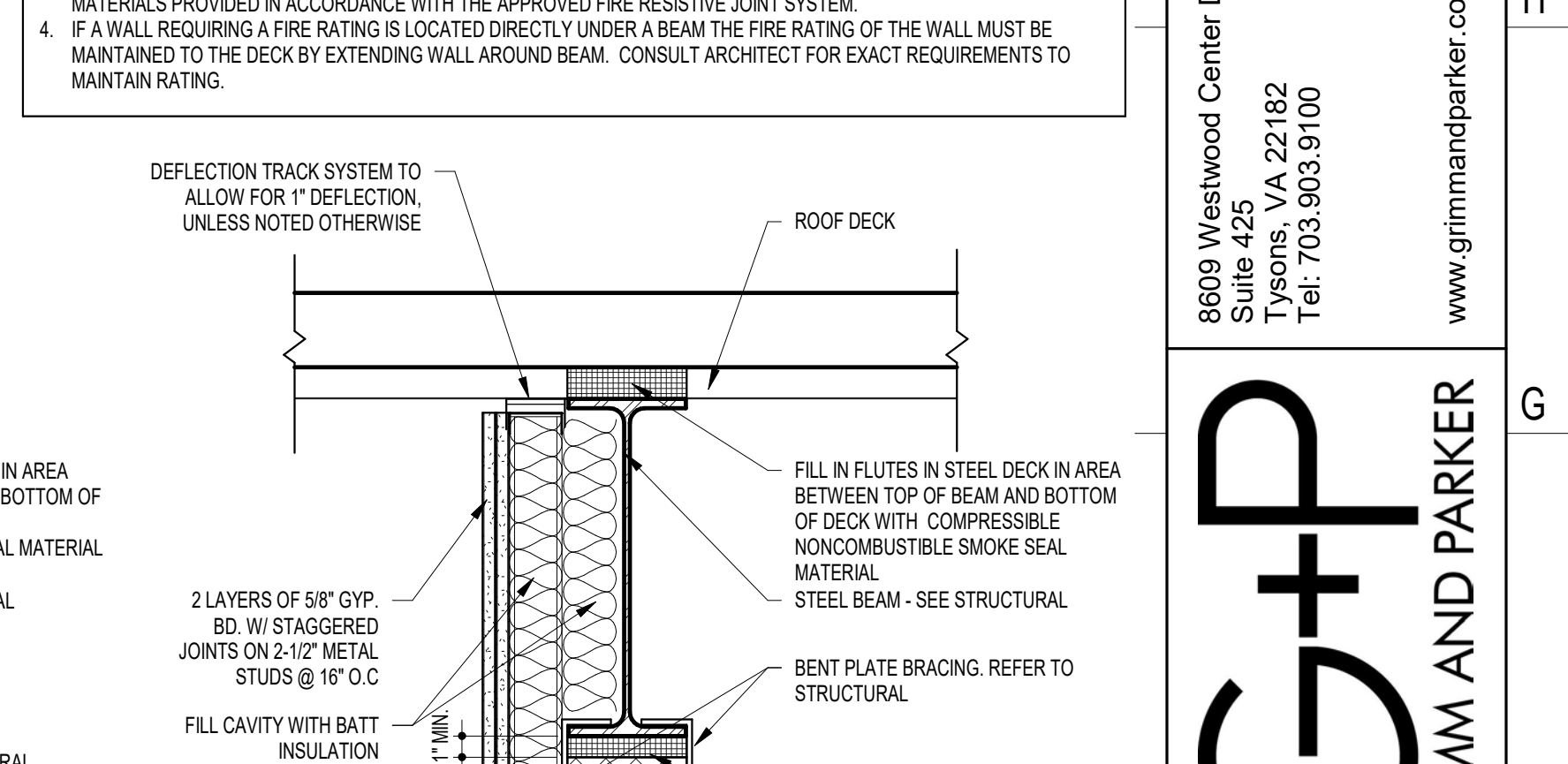
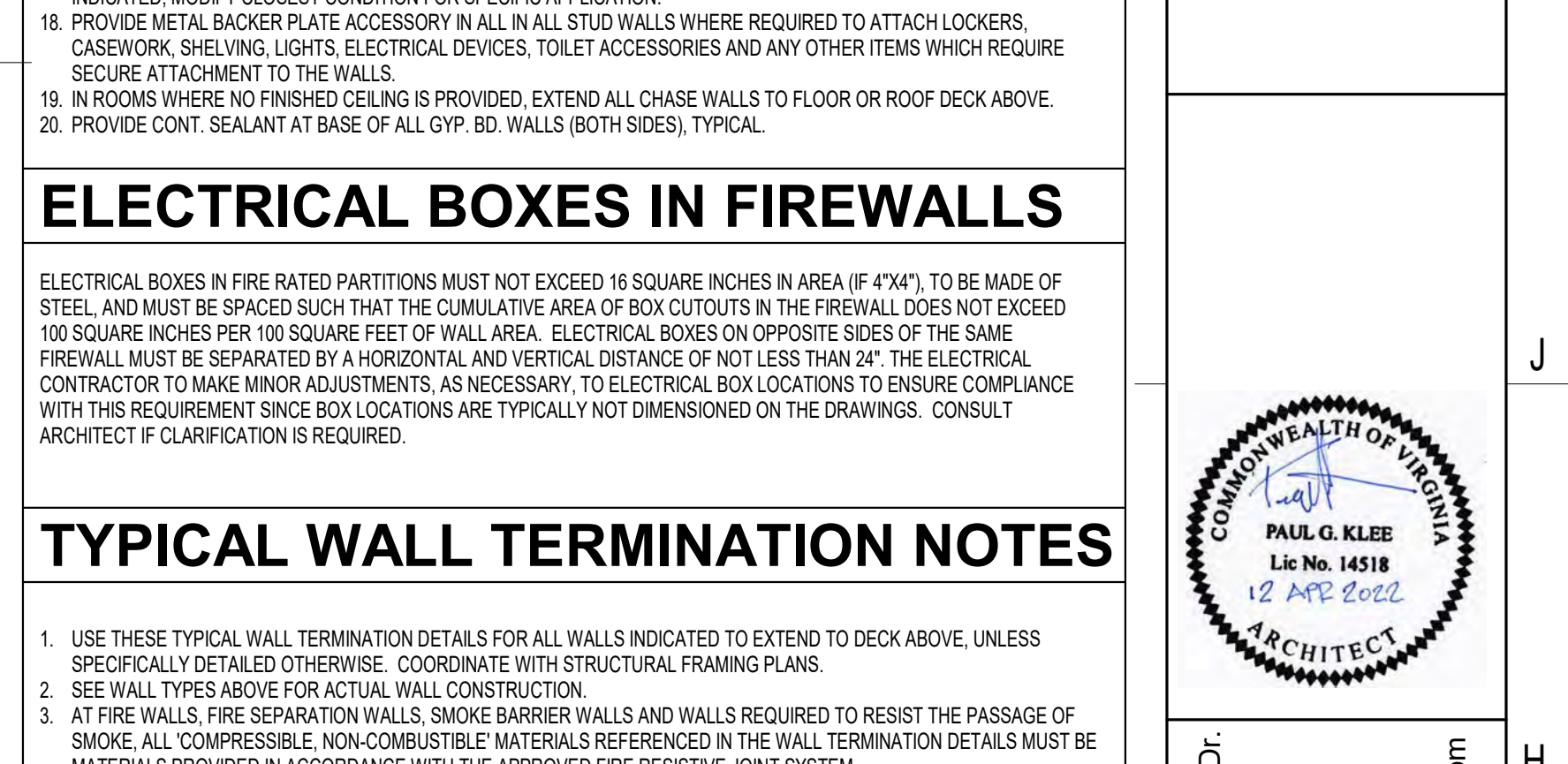
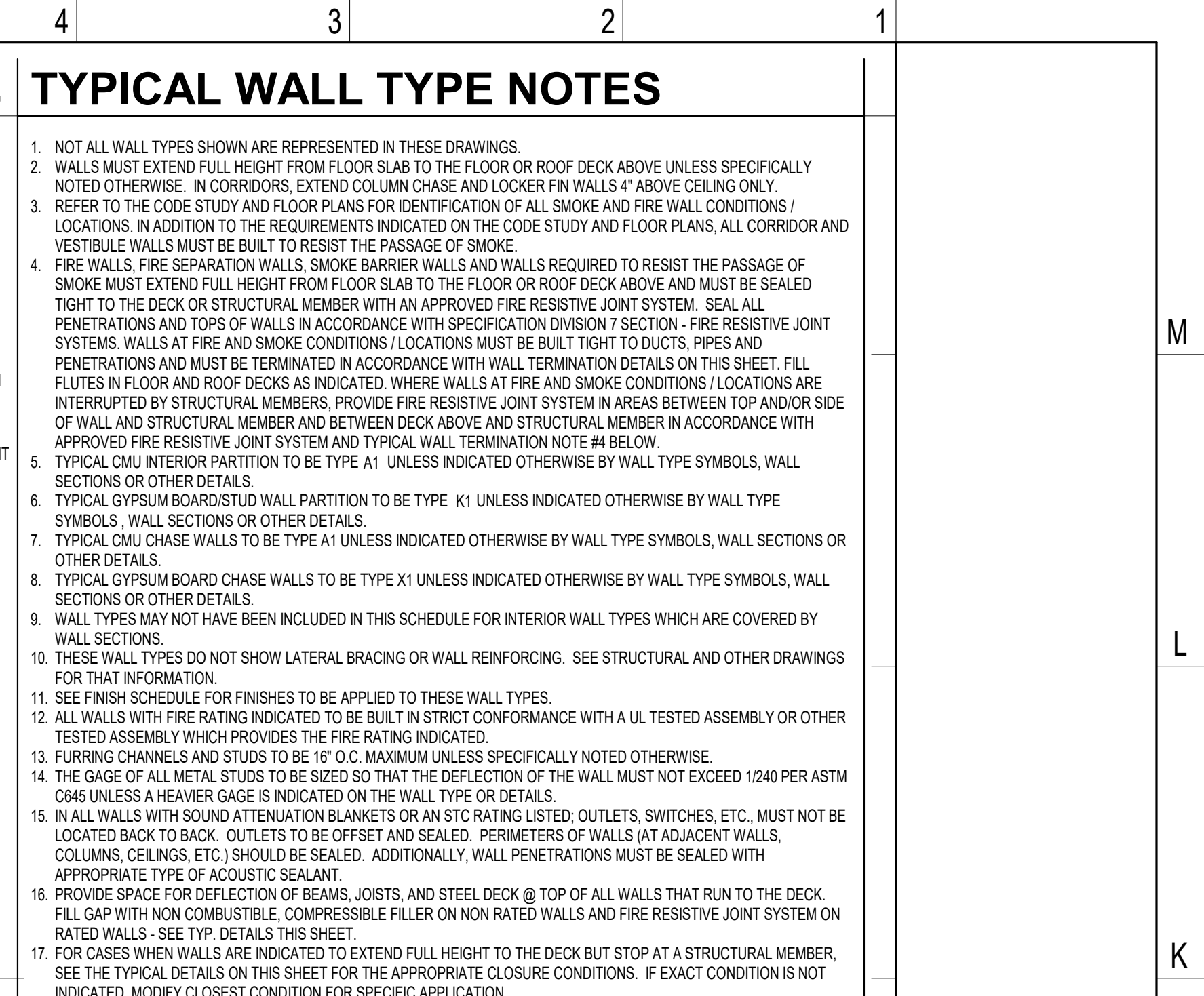
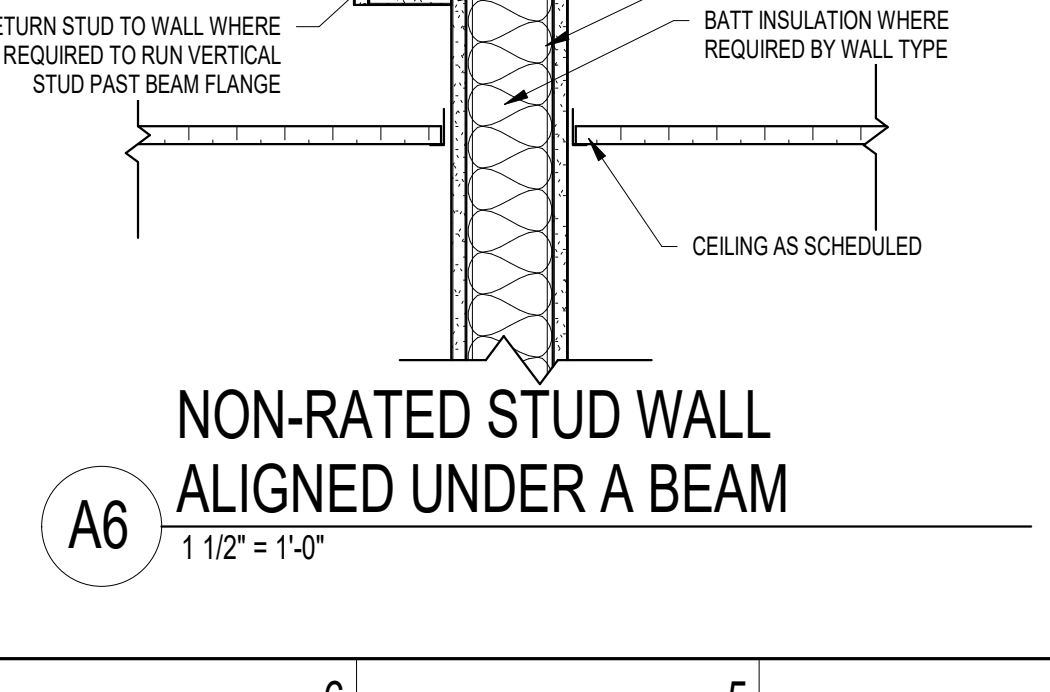
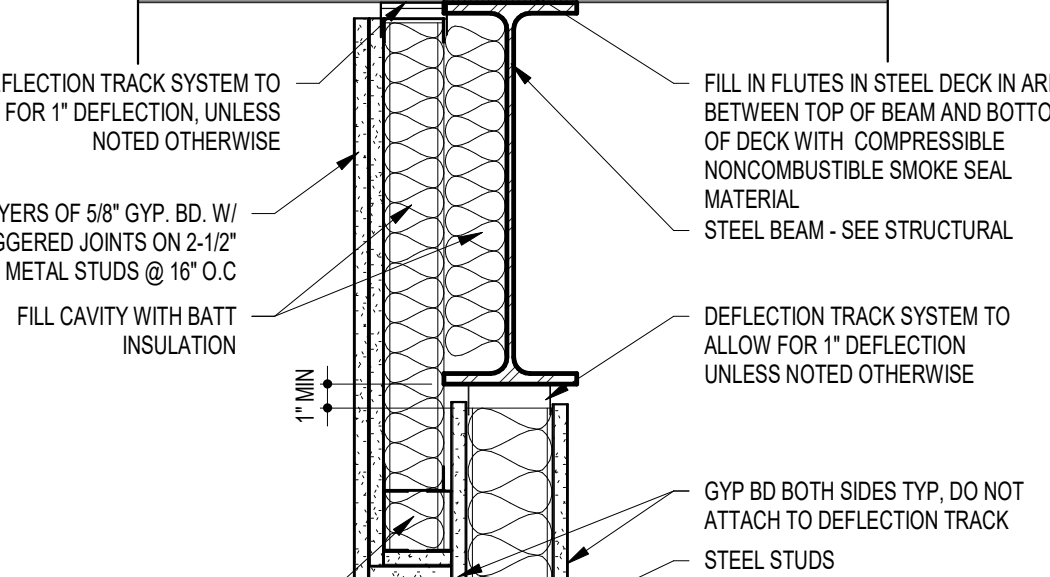
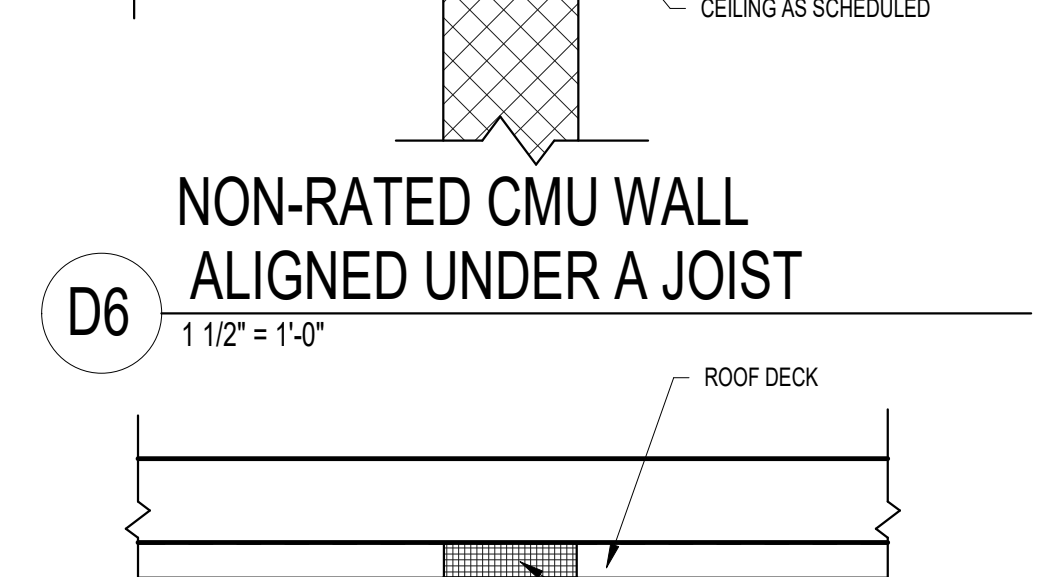
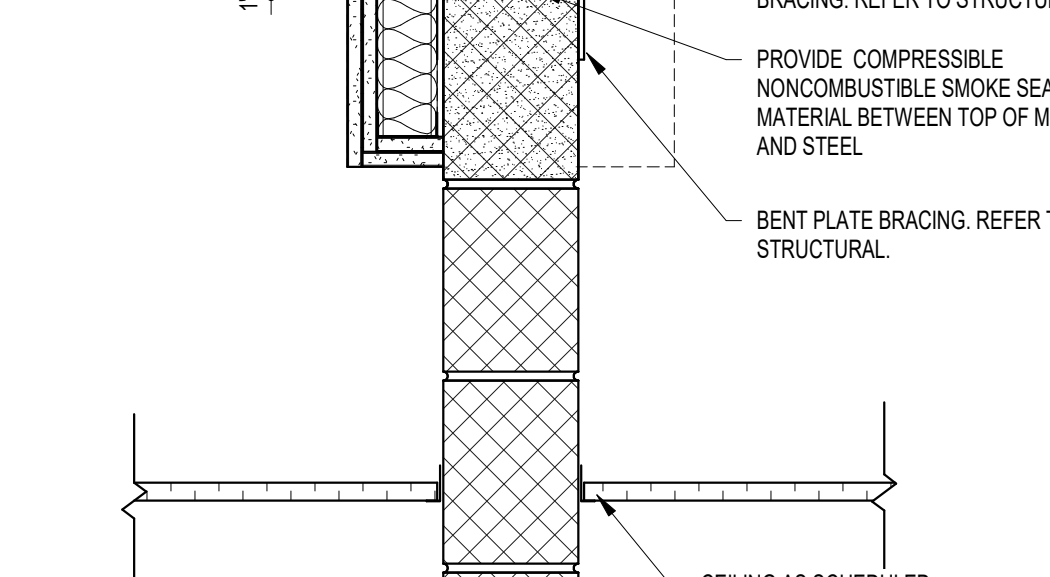
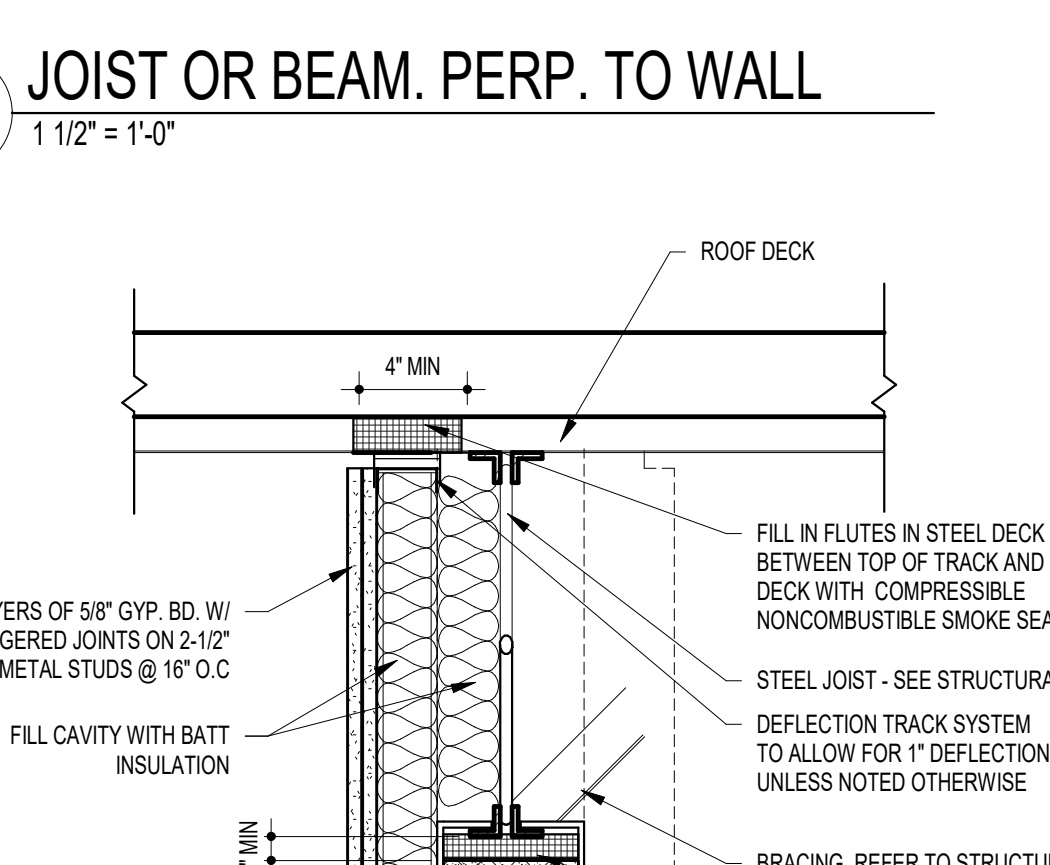
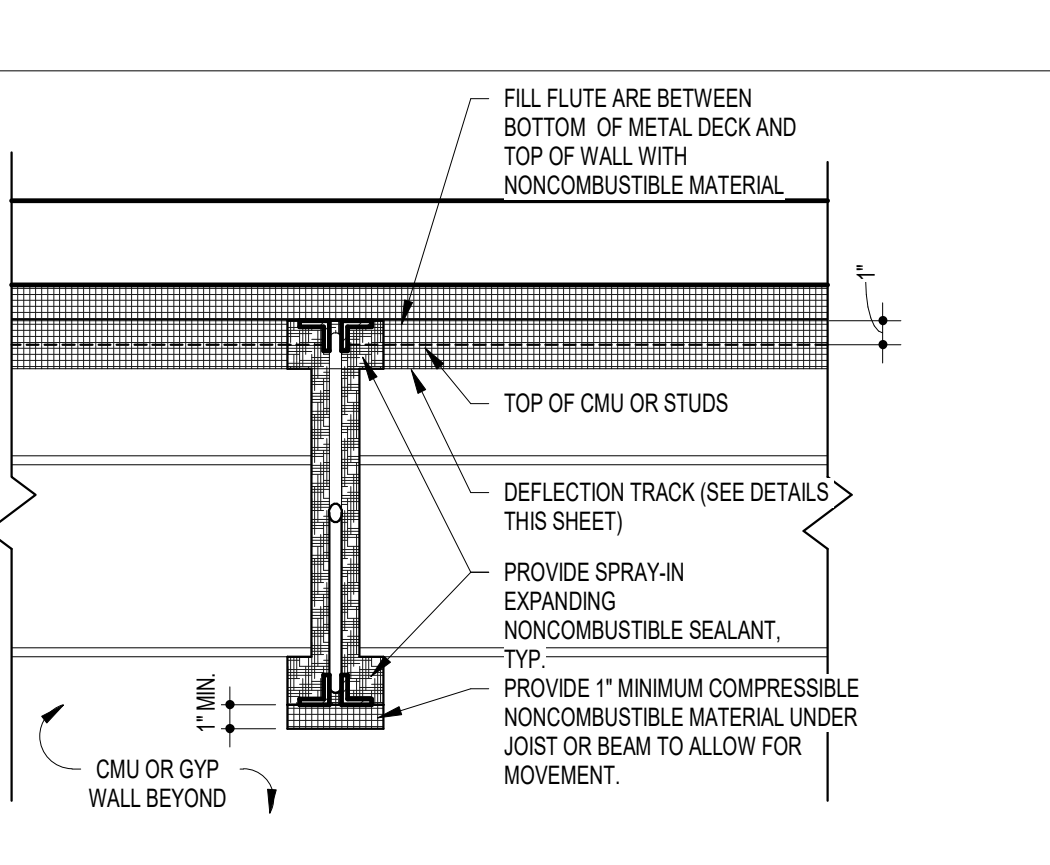
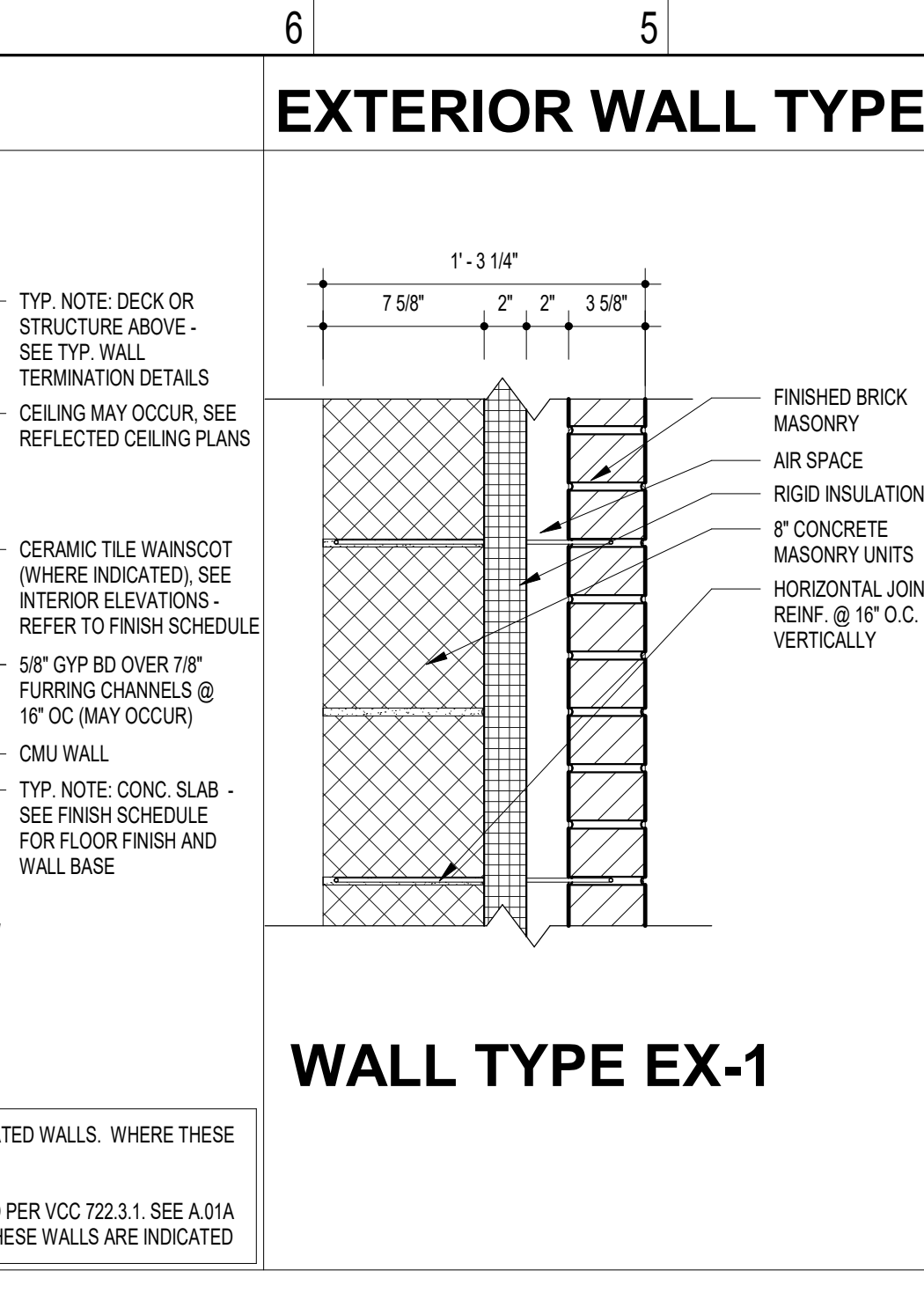
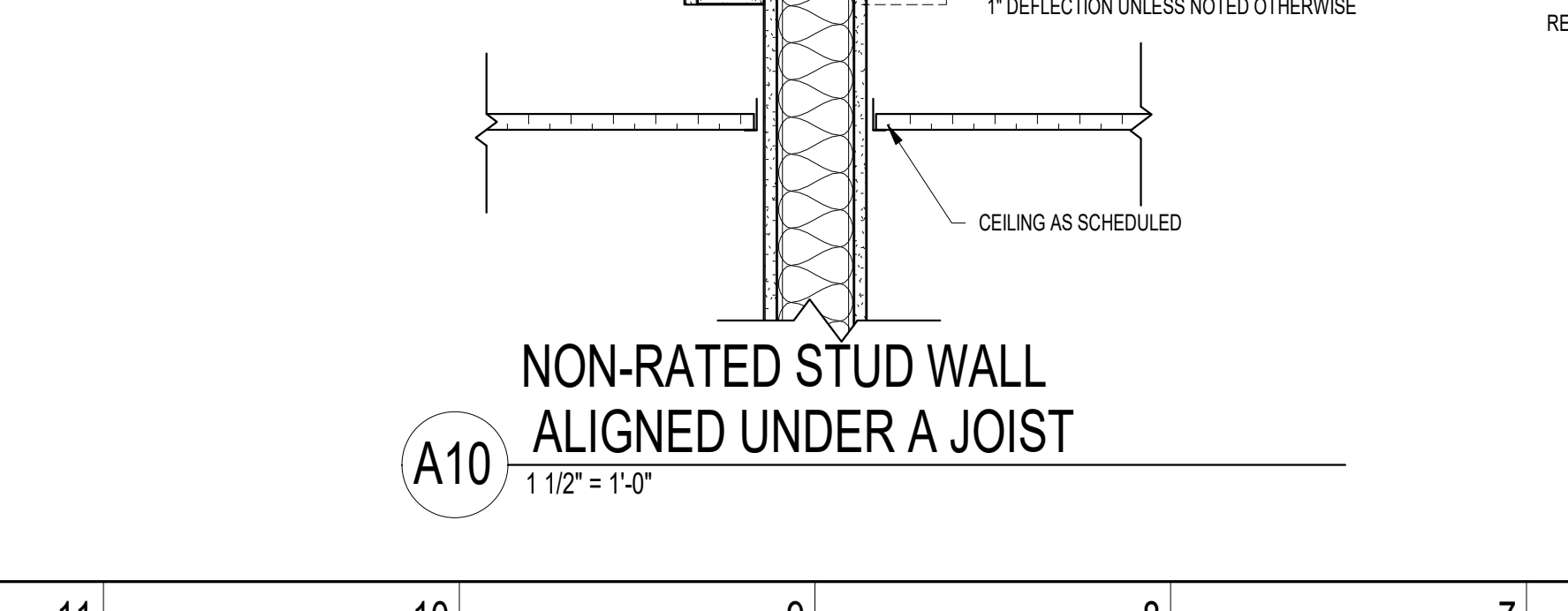
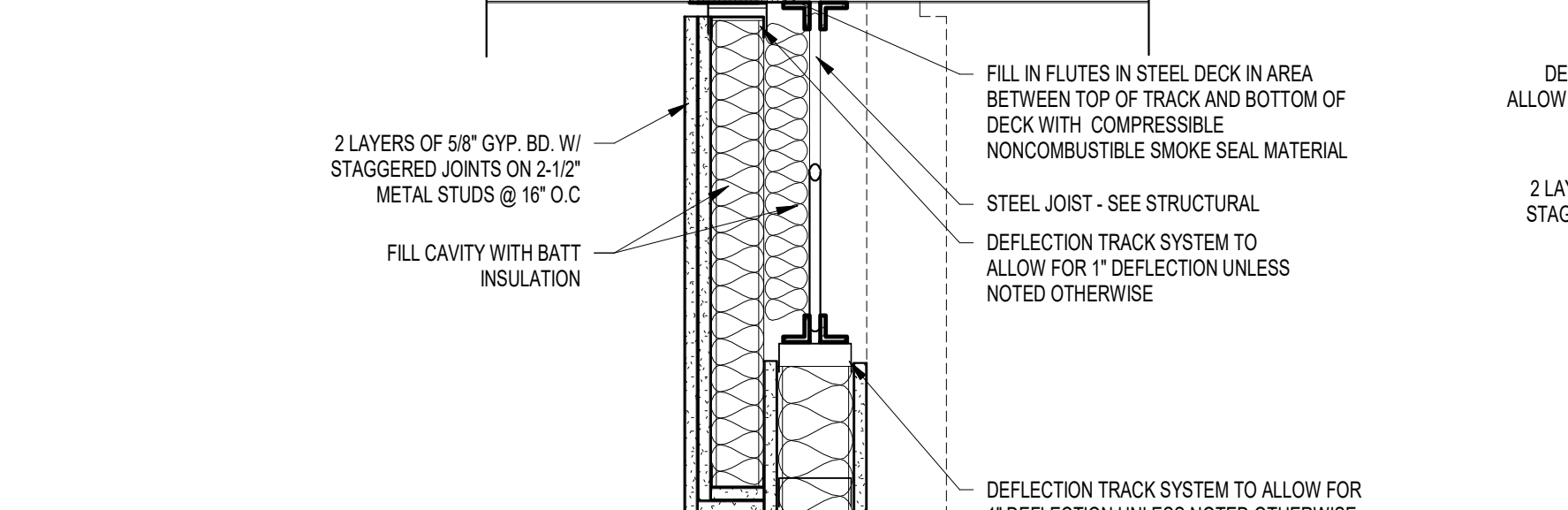
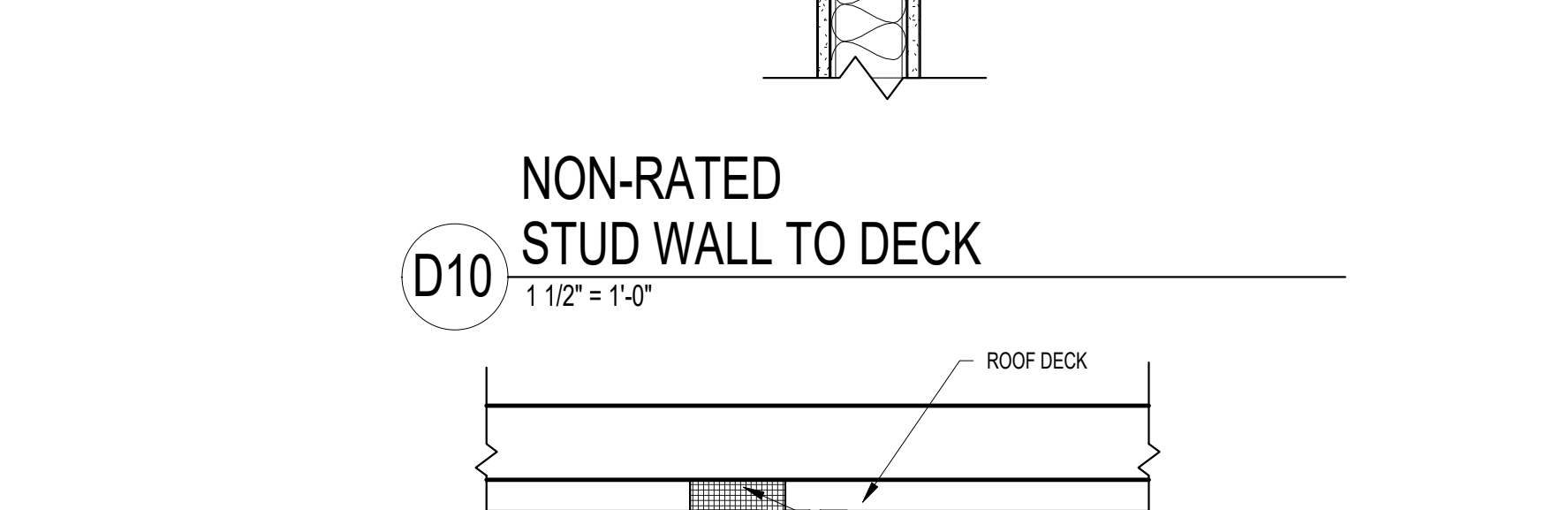
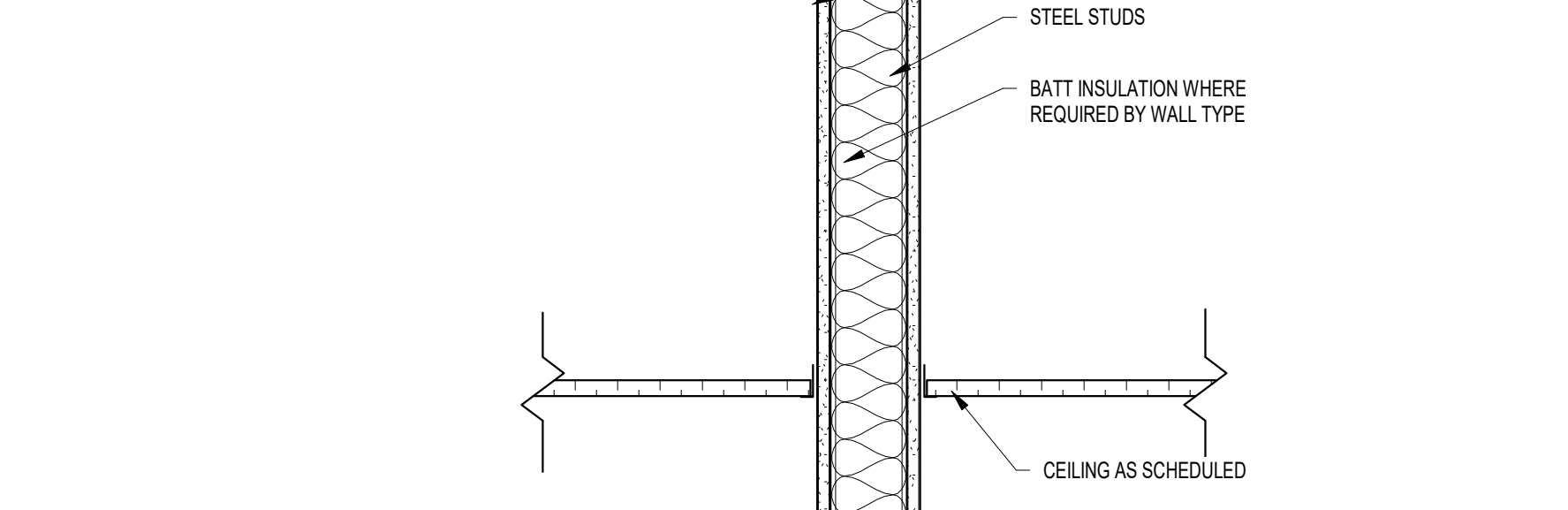
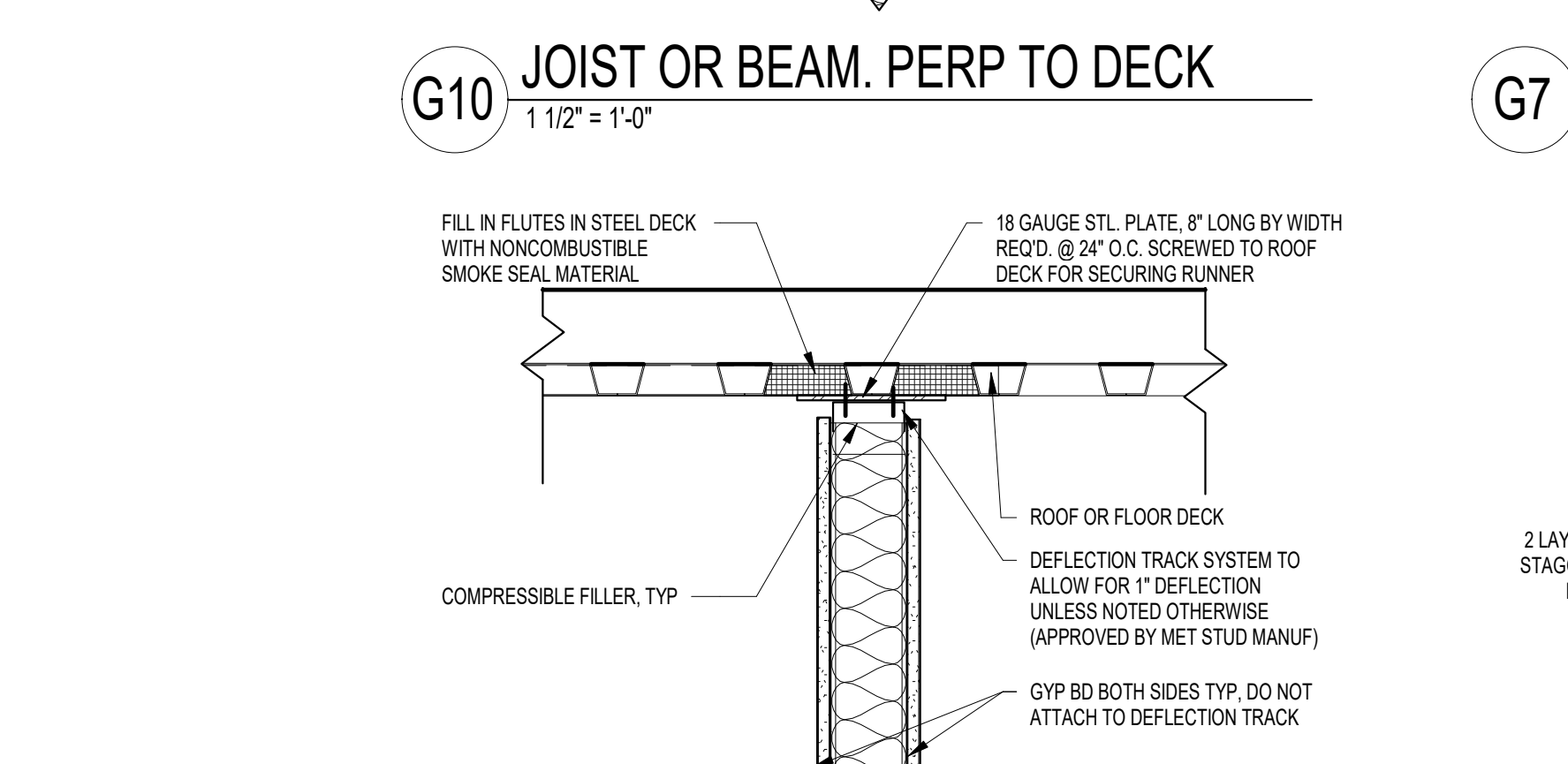
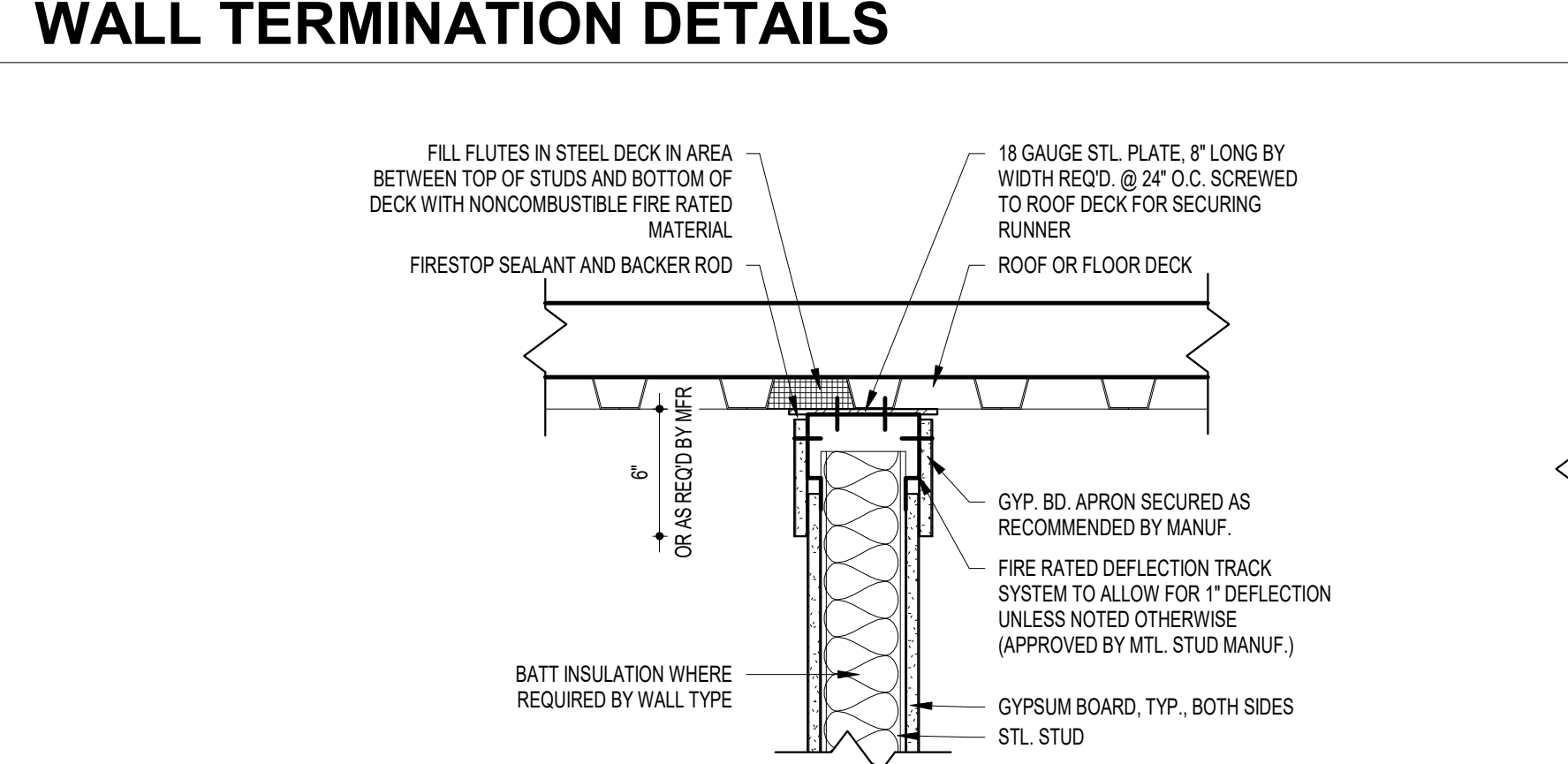
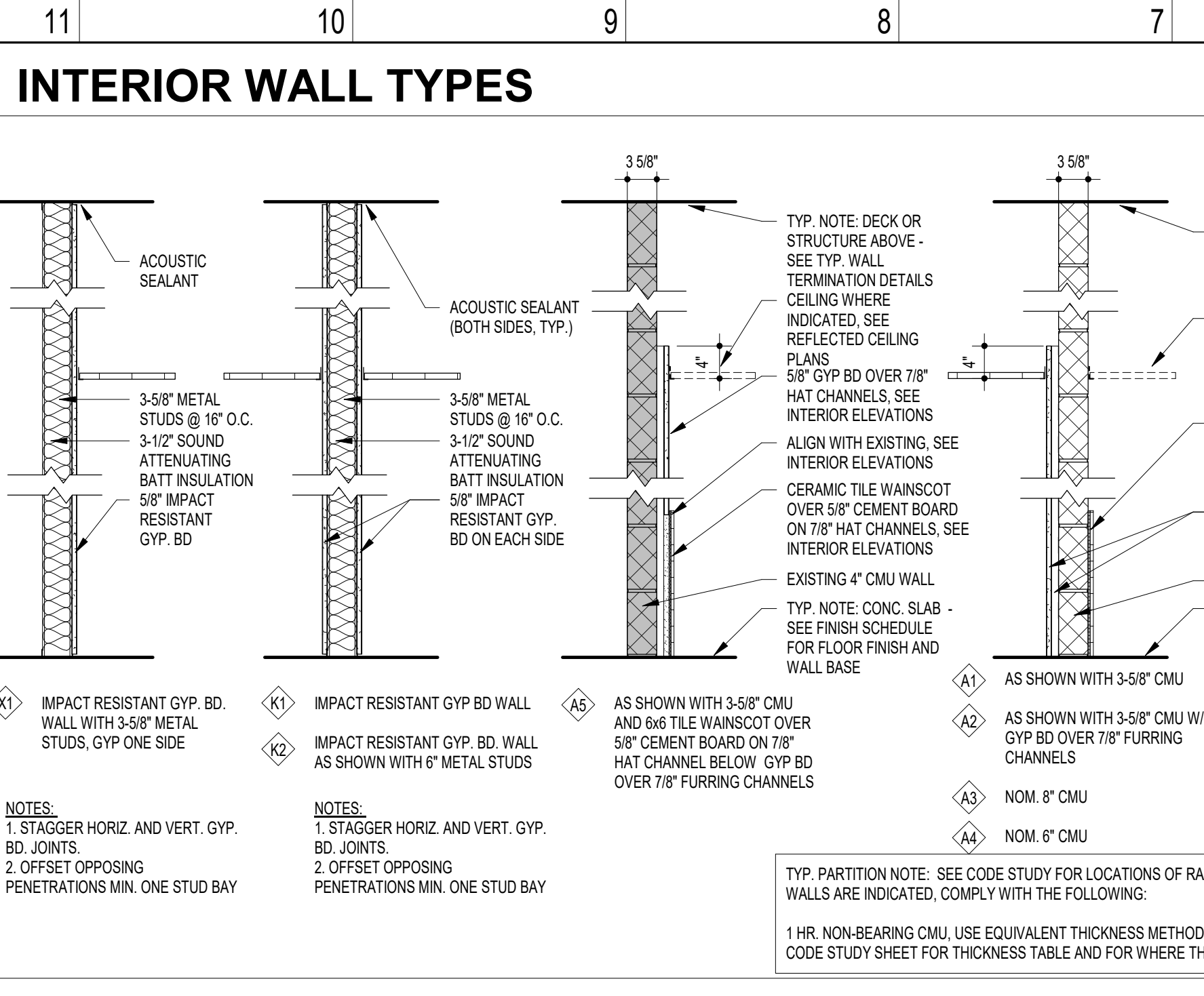
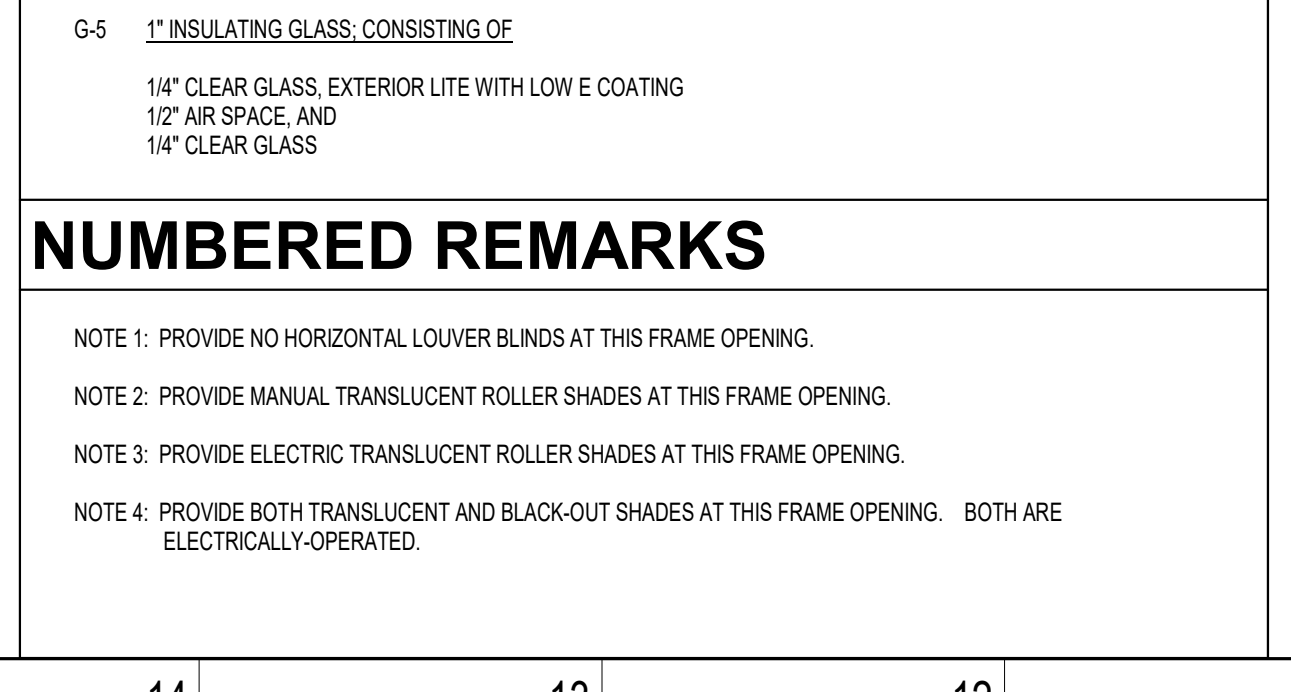
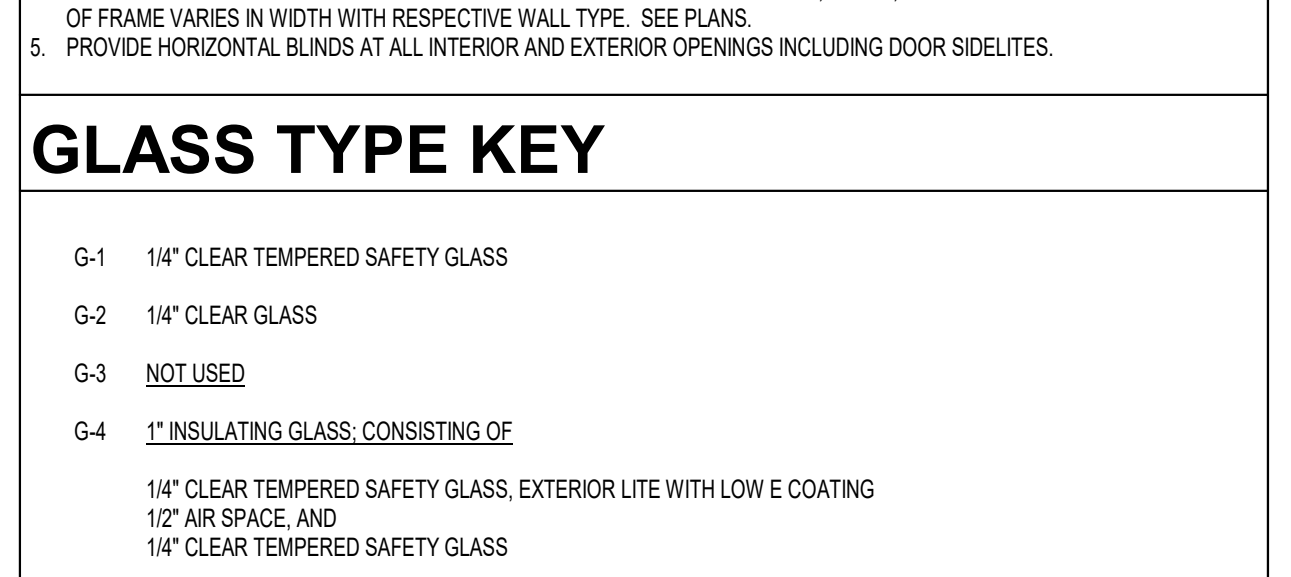
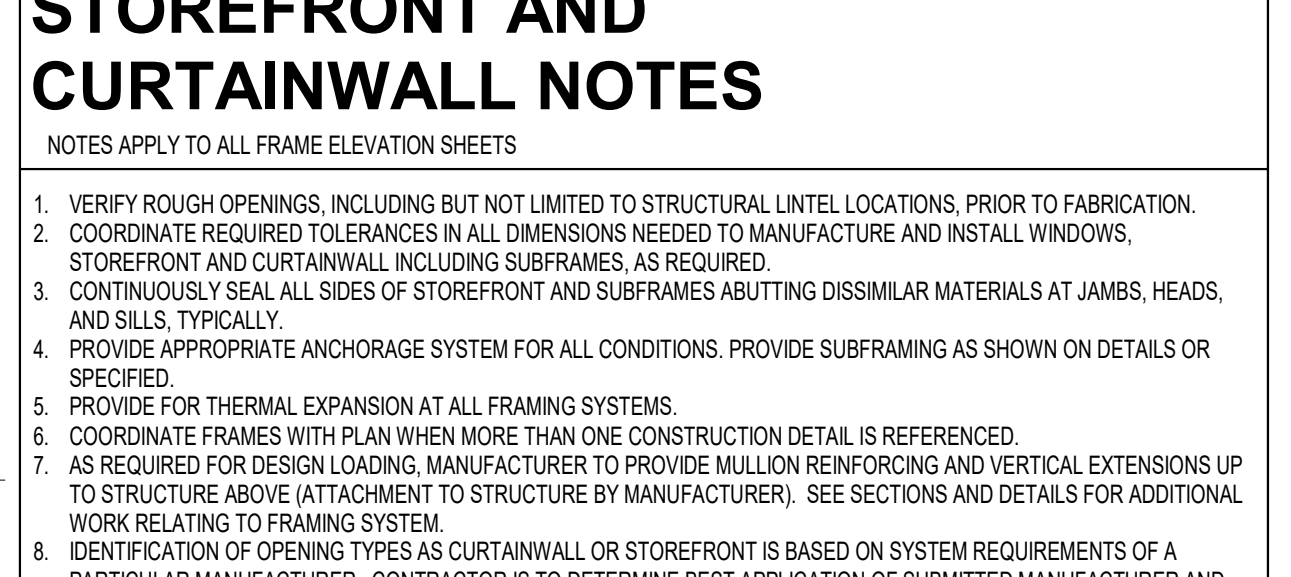
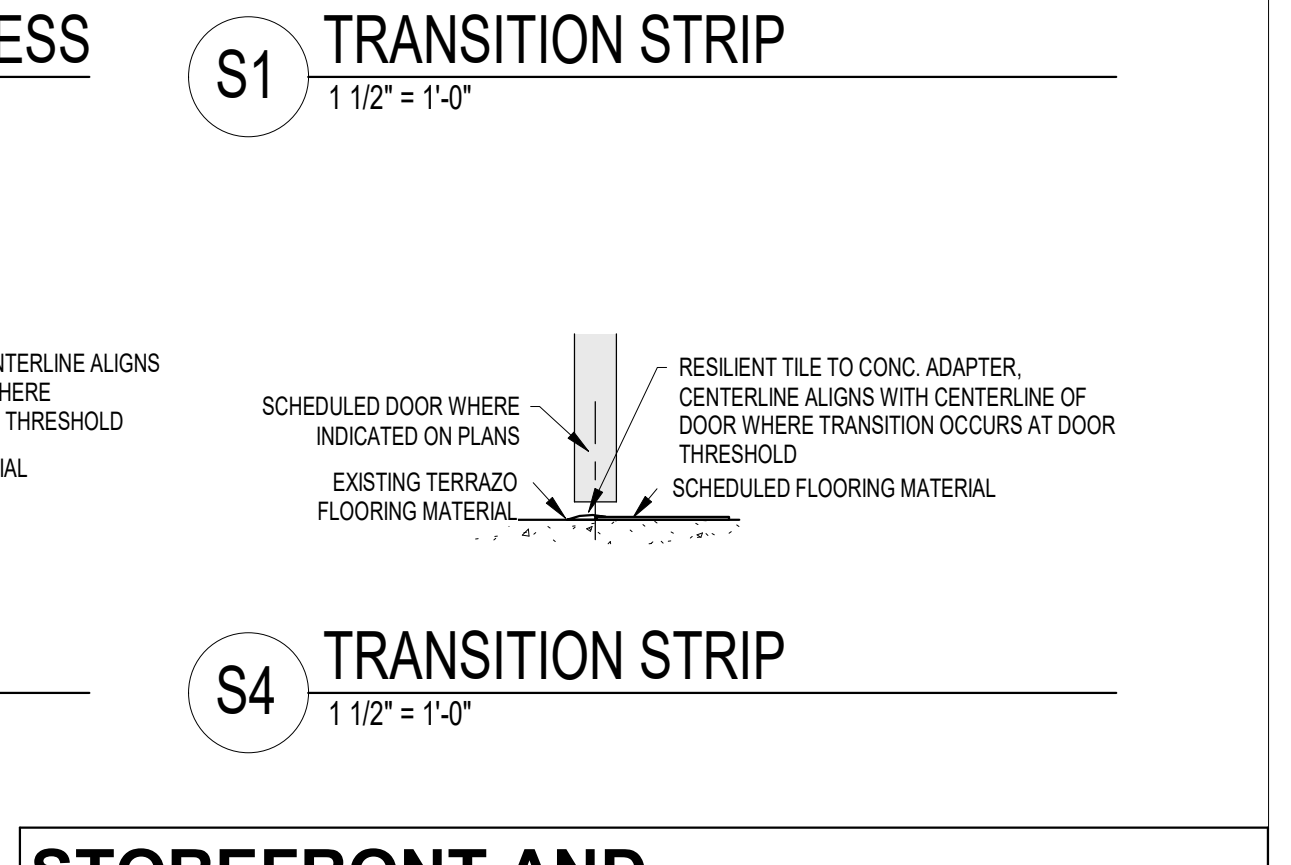
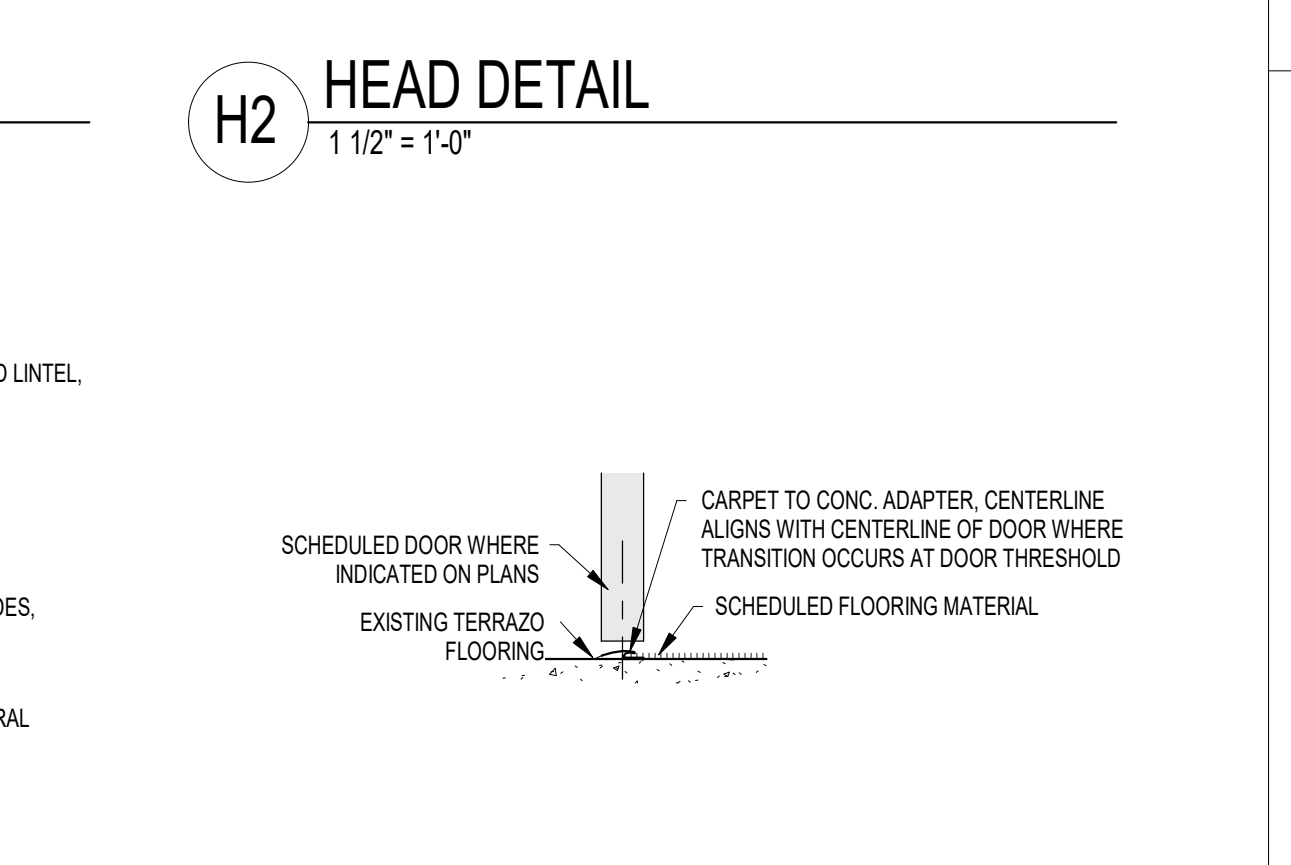
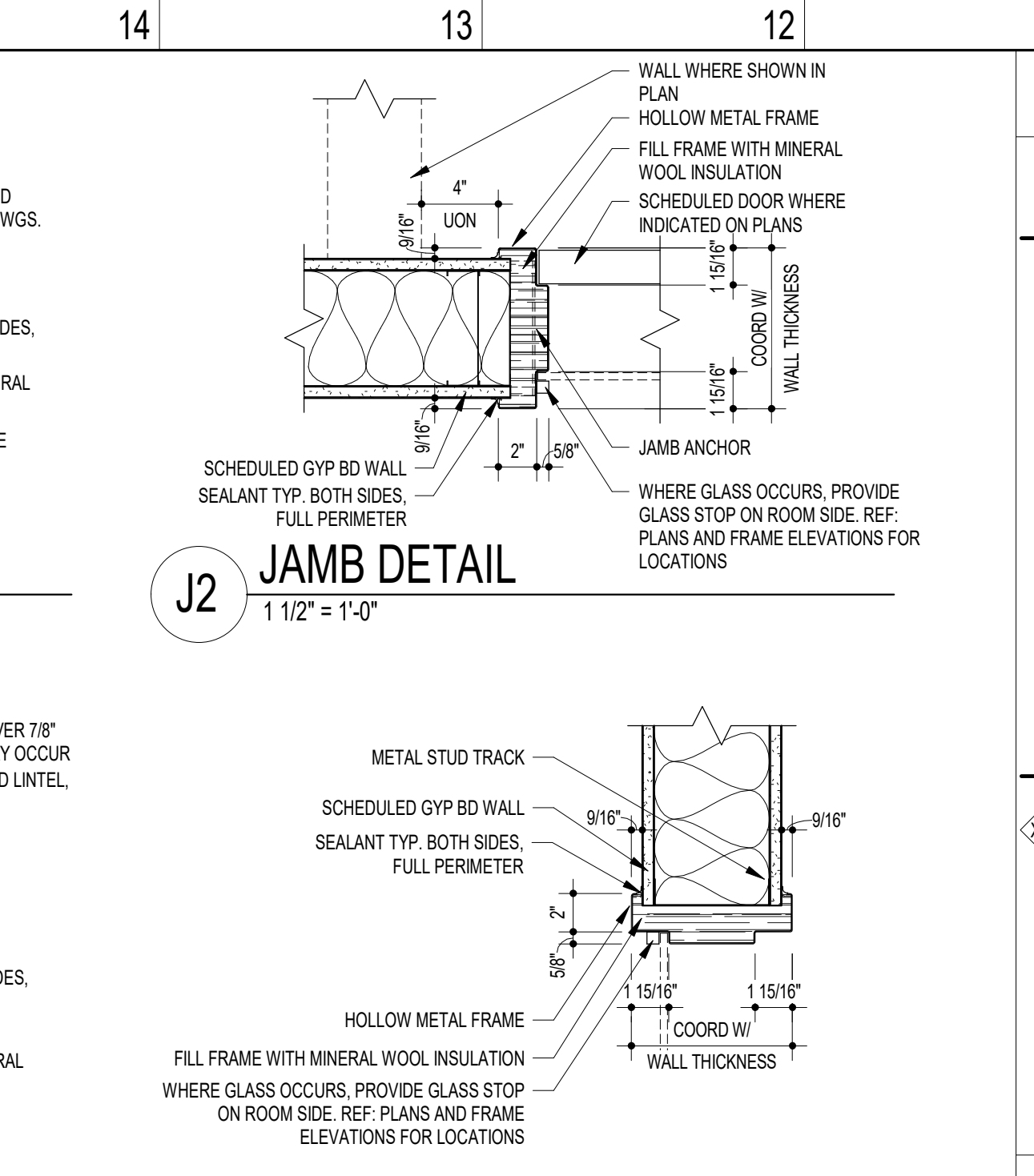
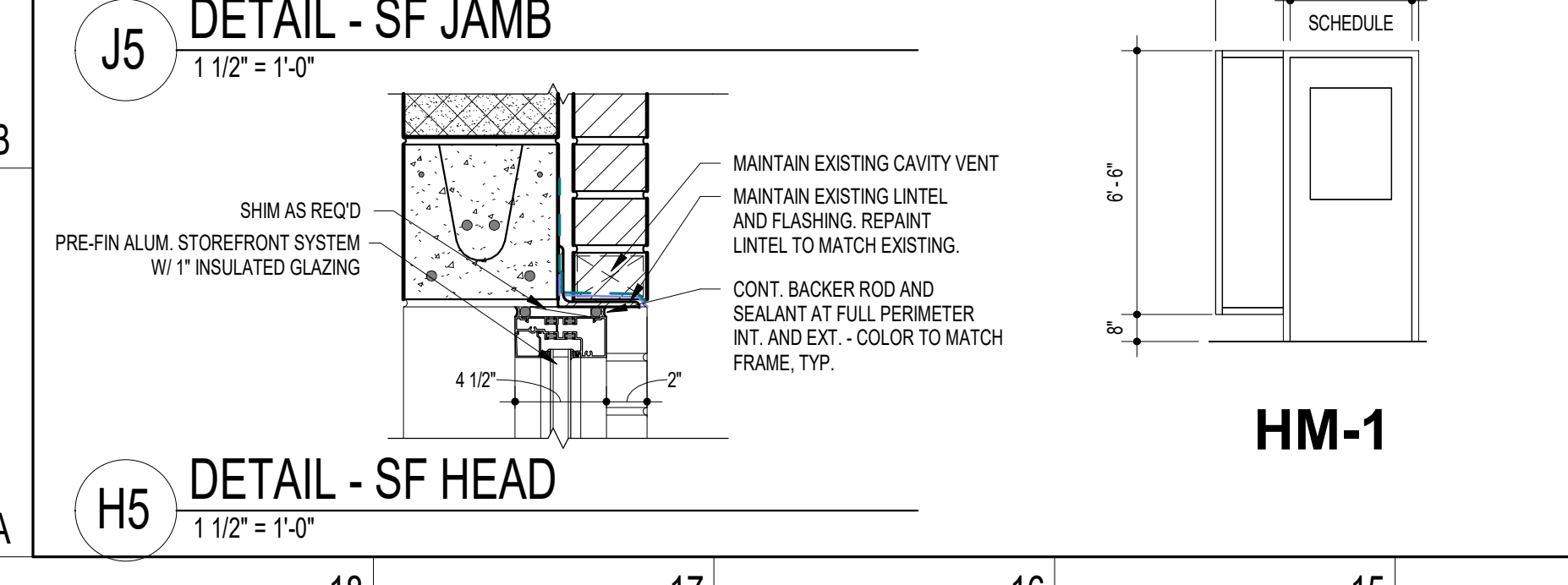
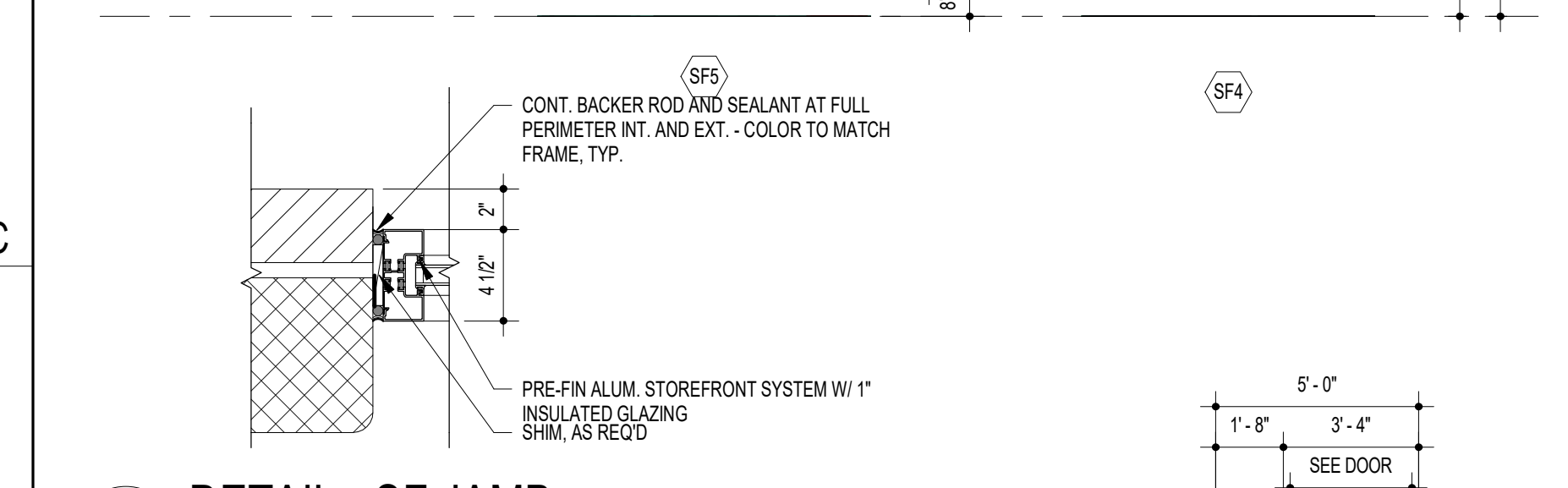
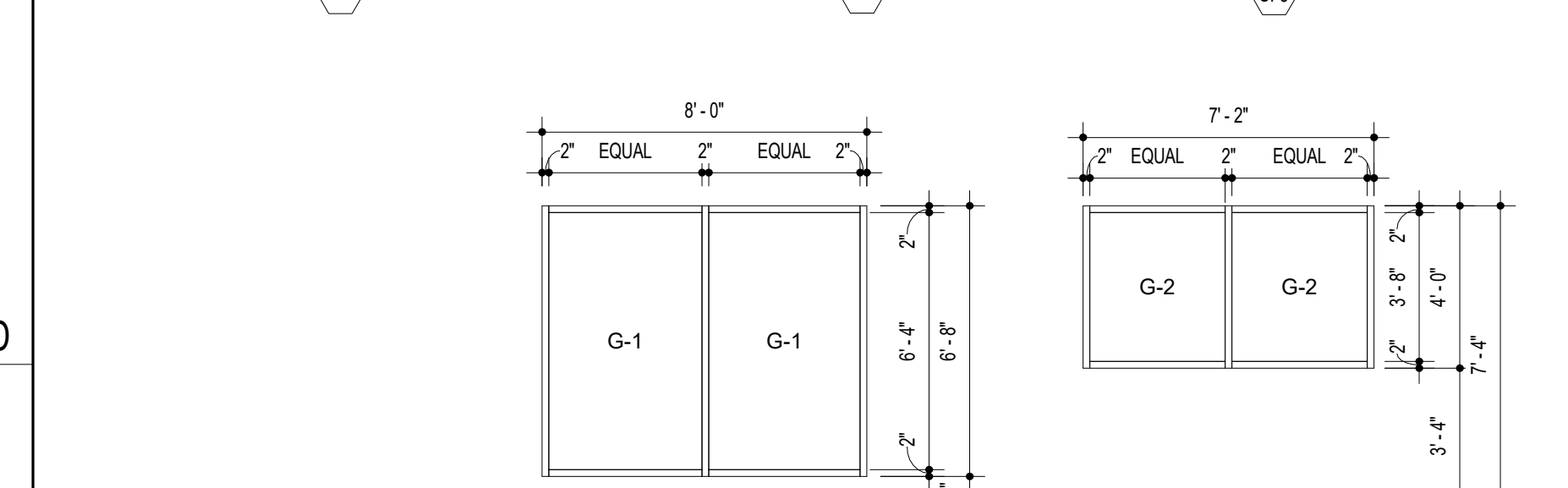
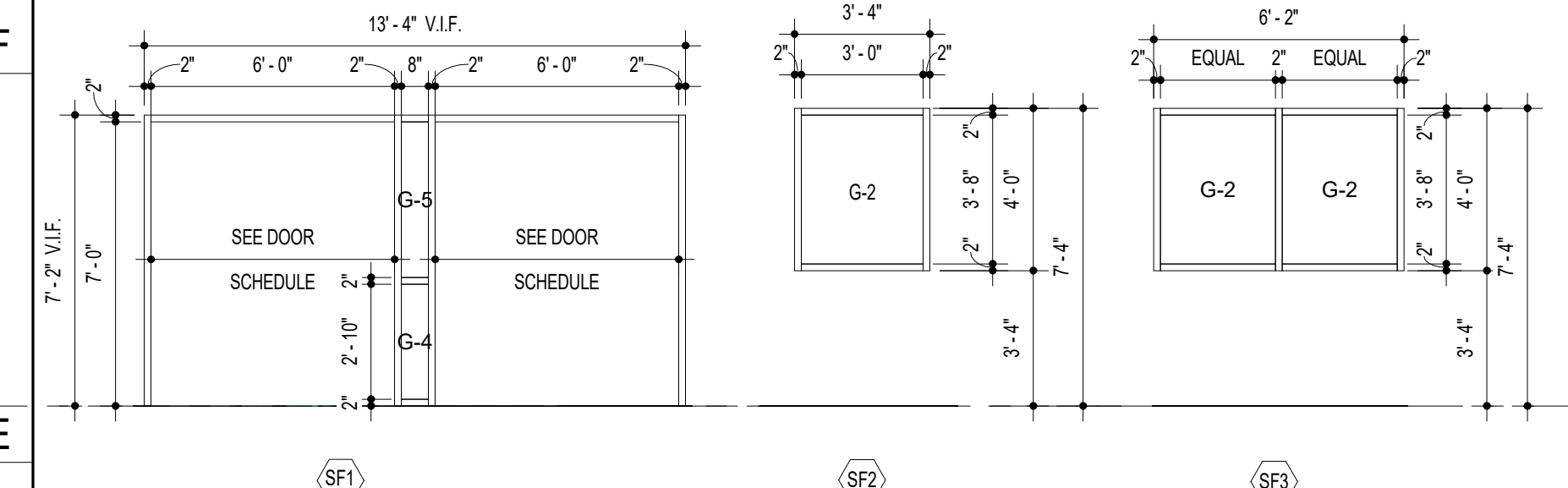
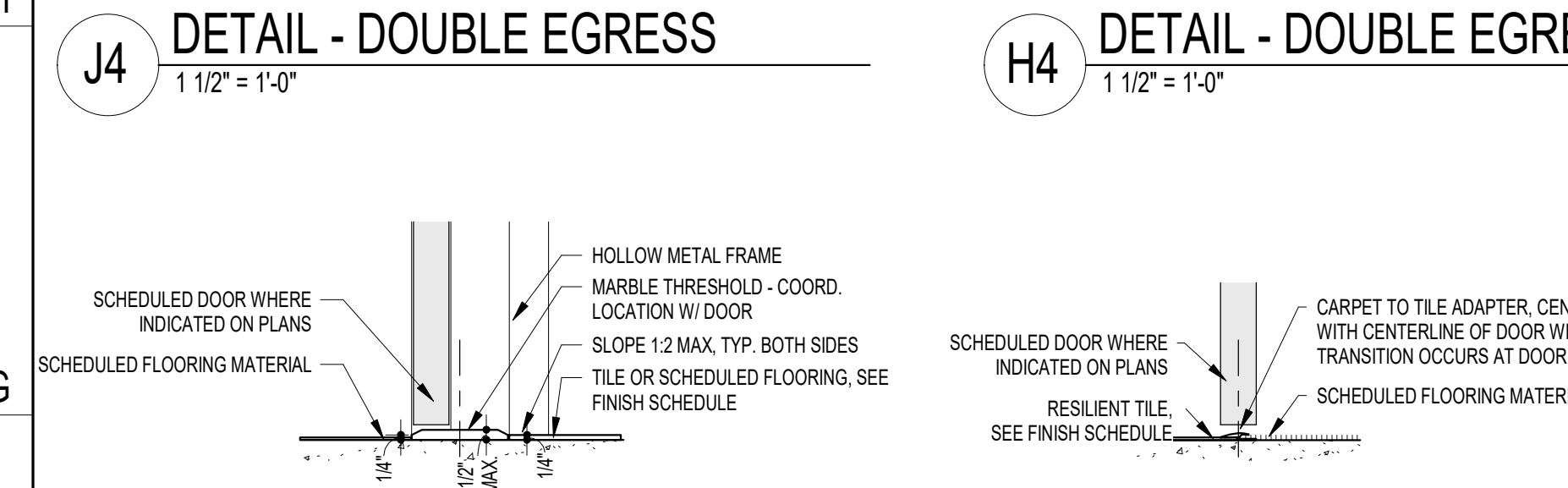
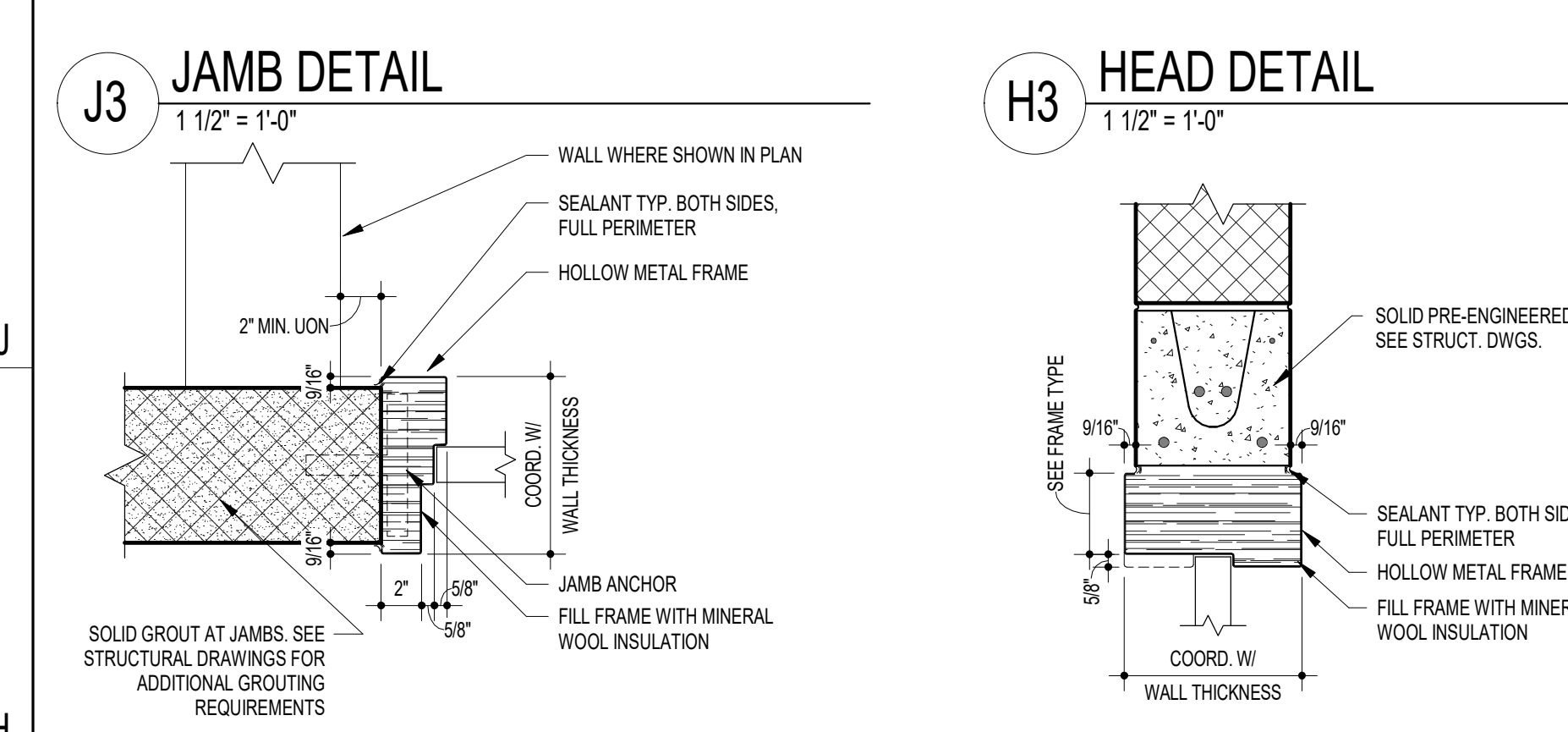
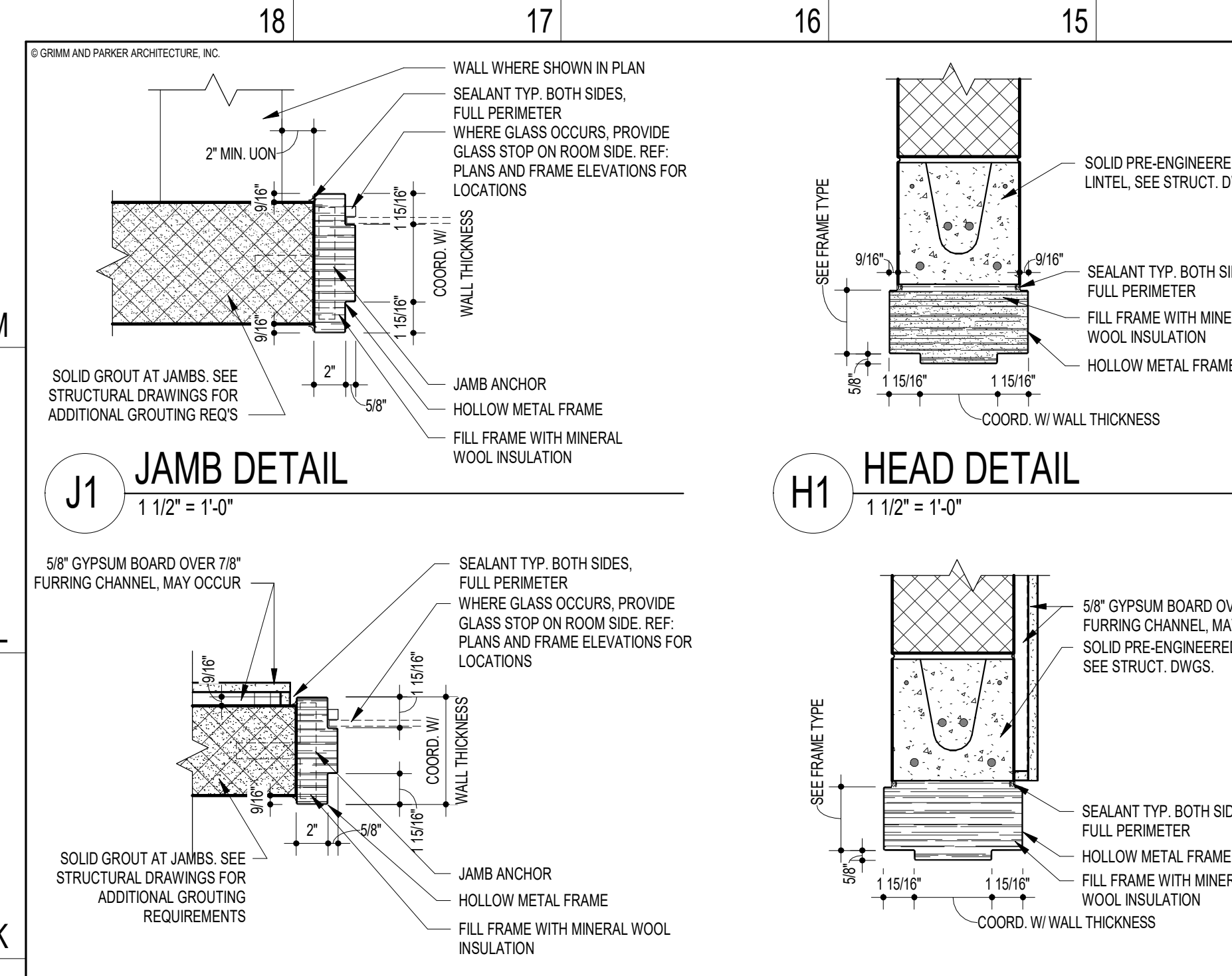
DOOR TYPES



FRAME TYPES



Vertical sidebar containing project information: 8609 Westwood Center Dr., Suite 425, Tysons, VA 22182, Tel: 703.903.9100, www.grimmandparker.com, GP #21710, and company logo.



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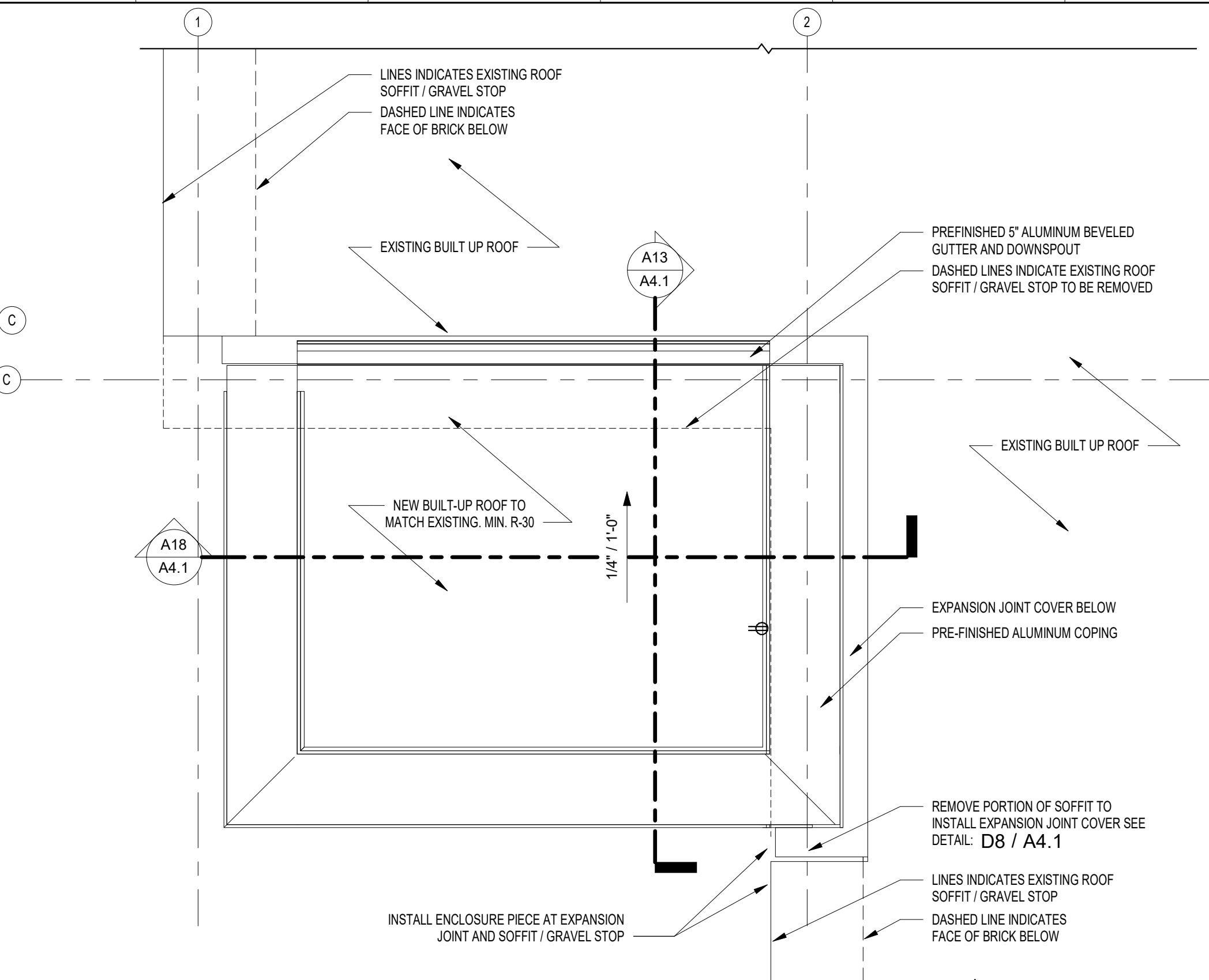
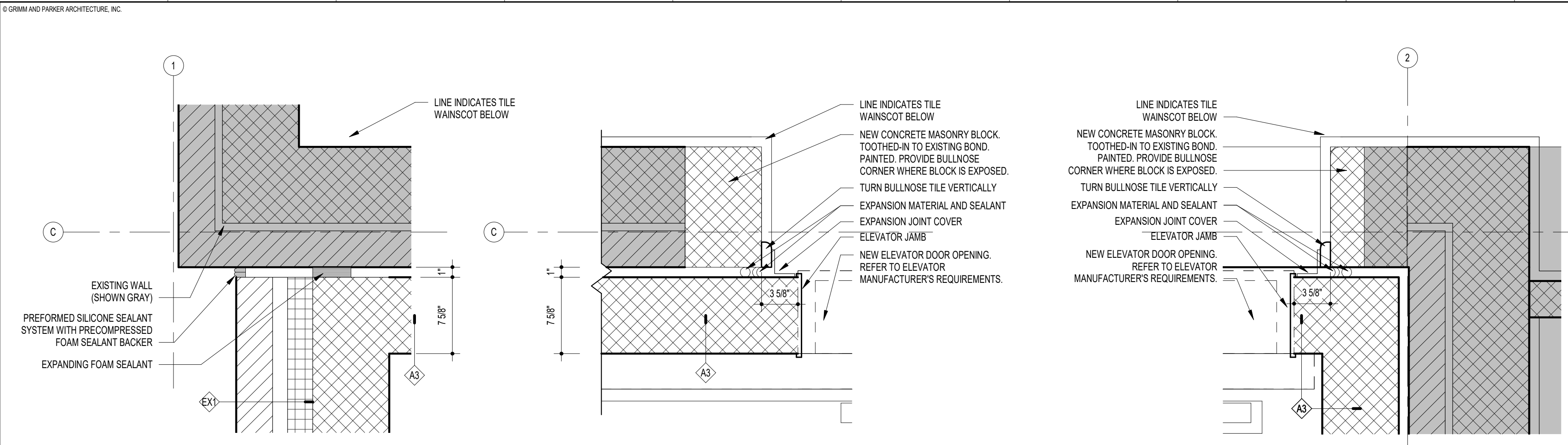
GRIMM AND PARKER

GP #21710

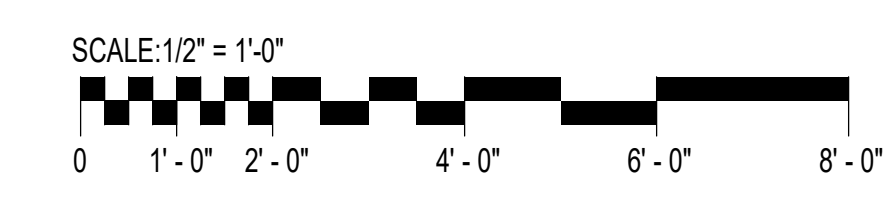
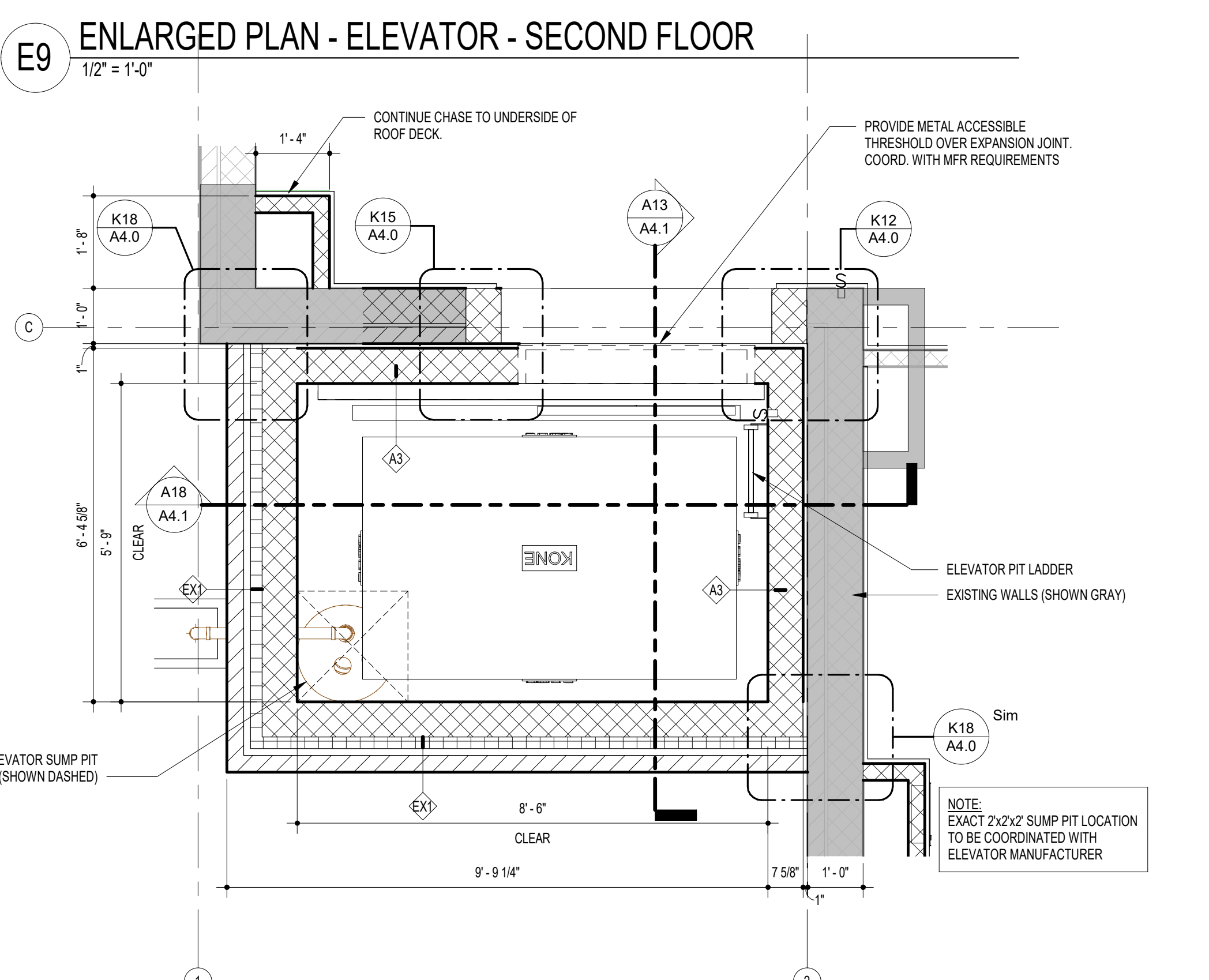
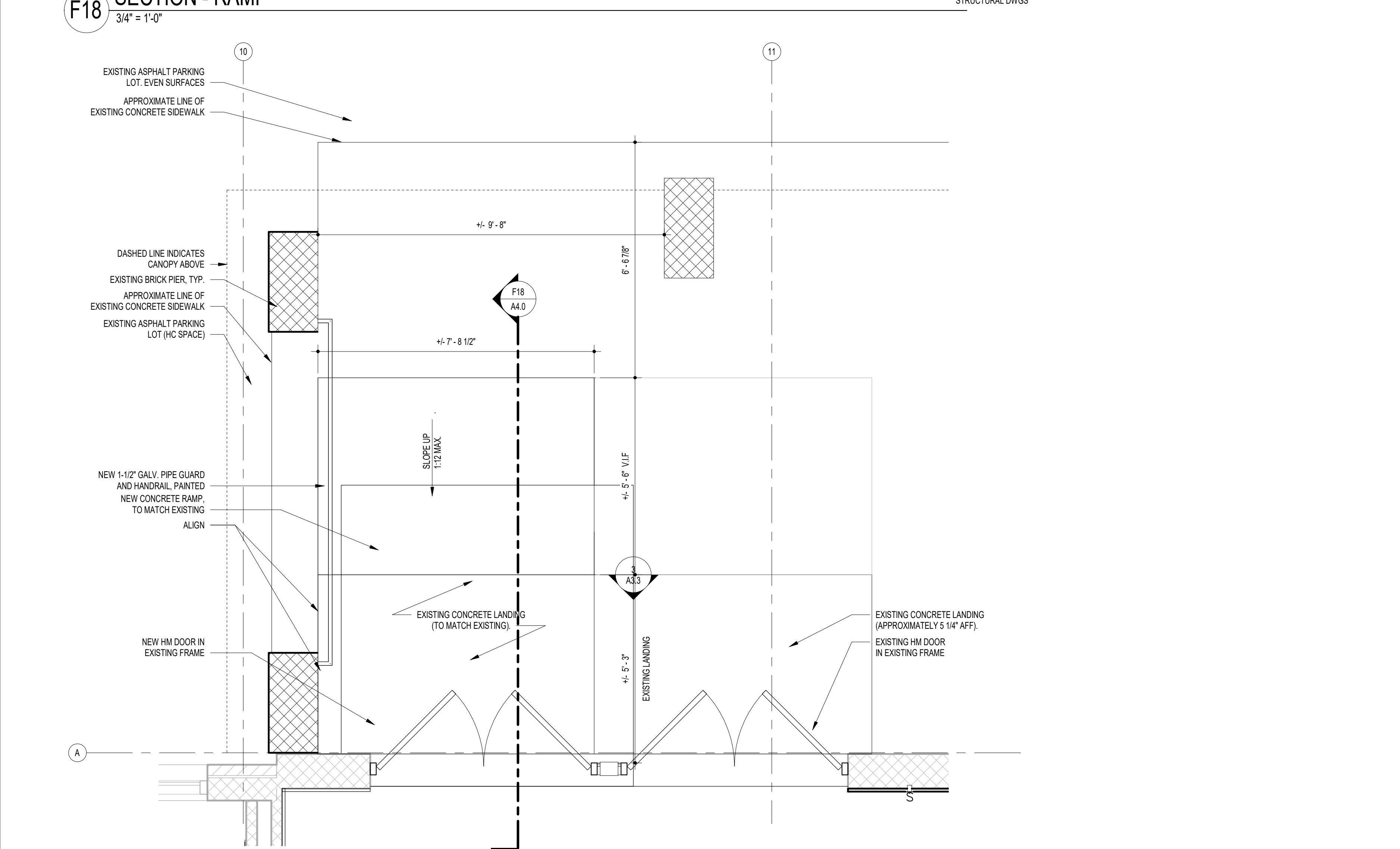
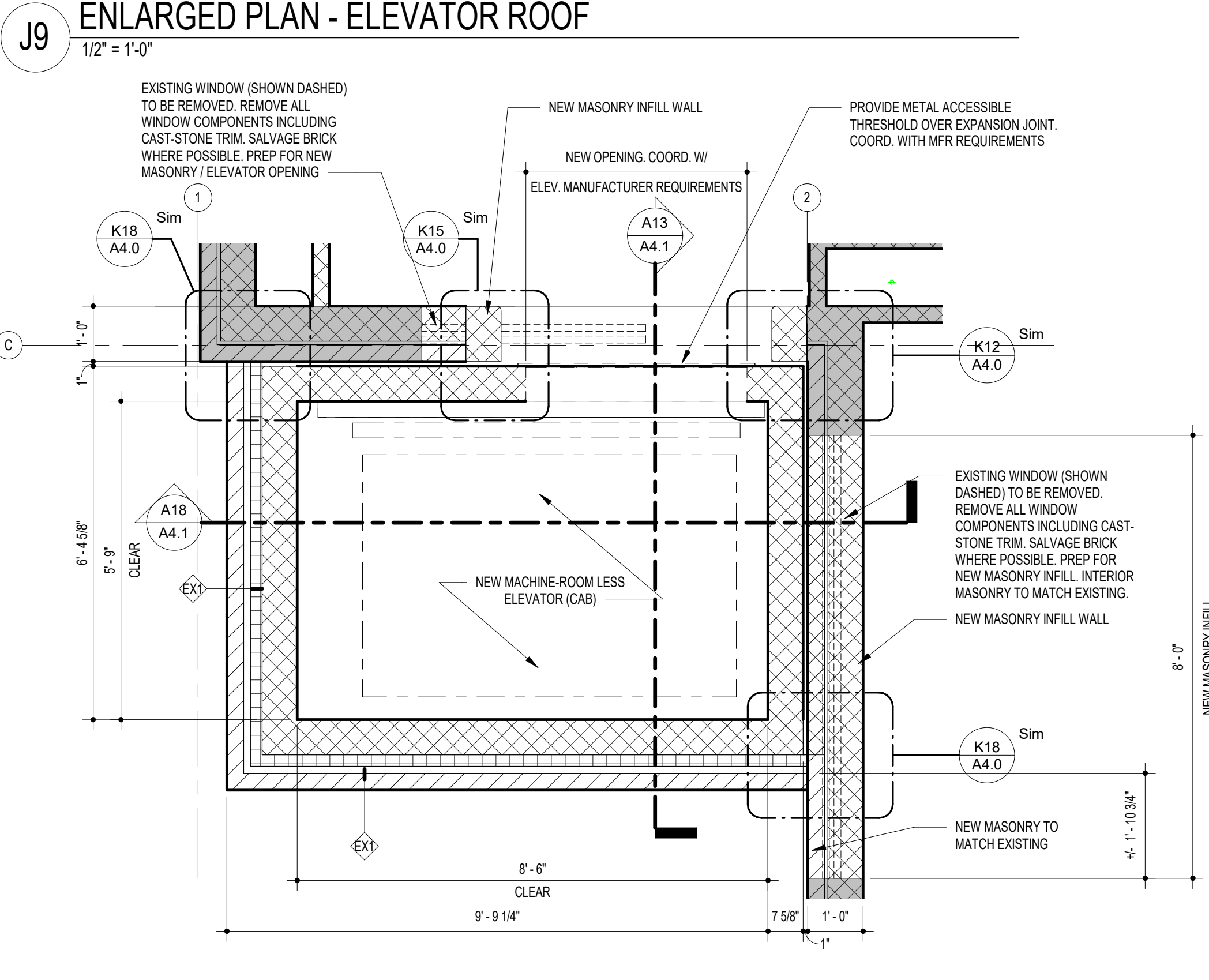
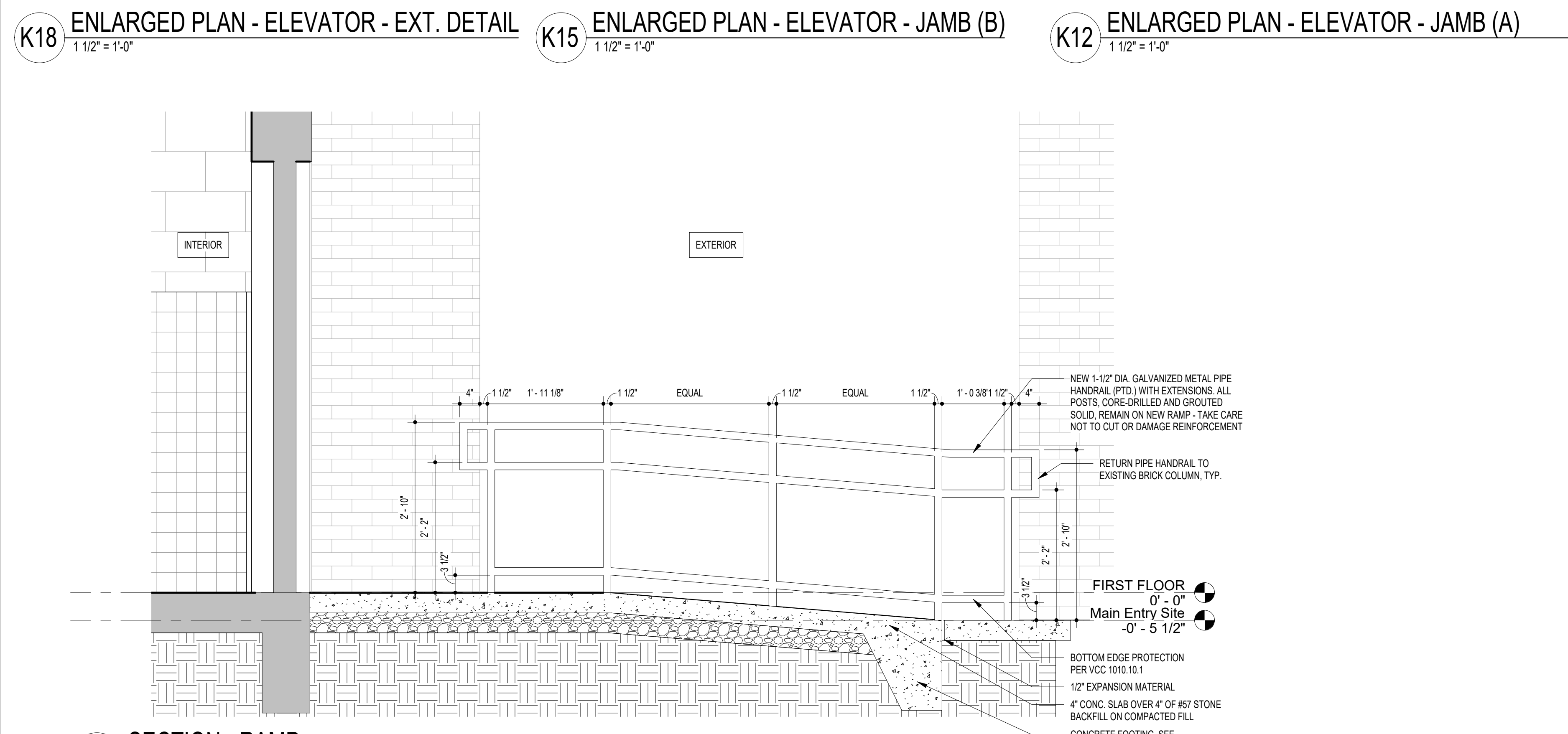
WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD., NEWPORT NEWS, VA 23601

DATE DESCRIPTION

A3.3
6/8/2022
BID SET



- GENERAL ROOF DEMOLITION NOTES**
- DO NOT STOCKPILE MATERIALS ON ROOF.
 - PROTECT EXISTING AIR INTAKES DURING DEMOLITION FROM COORS, DUST & DEBRIS. COORDINATE ALL SHUTDOWNS WITH HNS PROJECT MANAGER.
 - PROTECT ALL ROOF DRAINS DURING DEMOLITION AND DO NOT ALLOW DEBRIS TO FALL INTO DRAIN AT ANY POINT DURING THIS CONSTRUCTION PROJECT.
 - CONTRACTOR TO FIELD VERIFY LOCATIONS OF ALL EXISTING ROOF TOP ITEMS.
 - FIELD VERIFY CONDITION OF ALL EXISTING CURB CONSTRUCTION.
 - CONTRACTOR TO VERIFY ALL DIMENSIONS, EXISTING SYSTEMS AND DECK TYPES PRIOR TO COMMENCEMENT OF OPERATIONS.
 - LIMIT AREAS OF DISTURBANCE TO MAINTAIN EXISTING ROOF WARRANTY.
- GENERAL ROOF PLAN NOTES**
- CONTRACTOR TO FIELD VERIFY LOCATIONS OF ALL EXISTING ROOF TOP ITEMS. COORDINATE ALL NEW WORK WITH MECHANICAL, ELECTRICAL, PLUMBING & DEMOLITION WORK.
 - PROTECT ALL FINISHED SURFACES OF BUILDING DURING CONSTRUCTION, REPAIR / PATCH FINISHES AFFECTED / DAMAGED BY NEW WORK CONSTRUCTION ACTIVITIES.
 - ALL CELINGS AFFECTED BY NEW WORK TO BE REPAIRED OR REPLACED.
- TYPICAL ROOF NOTES**
- DETAILS INDICATED ARE TYPICAL FOR ALL SIMILAR ROOFING CONDITIONS UNLESS OTHERWISE INDICATED.
 - UNLESS OTHERWISE NOTED, MINIMUM ROOF SLOPE IS 1/4" PER FOOT. PROVIDE TAPERED INSULATION EVEN IF NOT SHOWN ON THIS PLAN AS REQUIRED TO MAINTAIN MINIMUM REQUIRED SLOPE TO ROOF DRAINS AND ELIMINATE ANY AREAS OF POTENTIAL STANDING WATER. TAPERED INSULATION AT ALL CRICKETS TO HAVE A MINIMUM 1/2" PER FOOT SLOPE. PROVIDE TAPERED INSULATION AT ALL CRICKETS TO MAINTAIN MINIMUM 1/4" PER FOOT SLOPE TO DRAIN IN DIRECTION INDICATED.
 - COORDINATE HEIGHTS OF ALL FLASHINGS AND EXPANSION JOINT CAPS WITH TAPERED INSULATION TO MAINTAIN MINIMUM DIMENSIONS DETAILED.
 - ALL ROOF PENETRATIONS AND ACCESSORIES (DRAINS, VENTS, ETC.) ARE TO BE INSTALLED AND FLASHED IN COMPLIANCE WITH THE CURRENT EDITIONS OF N.R.C.A. ROOFING AND WATERPROOFING MANUAL AND S.I.A.C.N.A. (ARCHITECTURAL SHEET METAL MANUAL).
 - PROVIDE TAPERED CRICKETS, MINIMUM 1/2" PER FOOT SLOPE AT NEW ELEVATOR WALLS TO MAINTAIN POSITIVE DRAINAGE.
 - PROVIDE SPLASH BLOCK AND ROOF PROTECTION AT DOWNSPOUT.
 - CONTRACTOR IS RESPONSIBLE FOR PROVIDING EIT. FRY WOOD BLOCKING AS REQUIRED TO ACCOMMODATE ALL PROFILES OF FINISHED ROOFING INCLUDING AT CRICKETS AND TAPERED INSULATION ABOVE ROOF DECK TO MEET IECC REQUIREMENTS. INSULATION THICKNESS MAY BE REDUCED 1" OR LESS PER IECC SECTION 402.2.2 EXCEPT IN PROVIDED THE AREA-WEIGHTED U-FACTOR IS EQUIVALENT TO THE SAME ASSEMBLY WITH THE MINIMUM REQUIRED R VALUE OVER THE ENTIRETY OF THE ROOF. CONTRACTOR MUST PROVIDE CALCULATIONS VERIFYING IECC COMPLIANCE.
 - CONTRACTOR SHALL PERFORM WORK WITH THE PREVIOUS ROOF MANUFACTURER REPRESENTATIVE, CERTIFIED INSTALLER PRESENT TO OBSERVE, INSPECT AND CONFIRM THE EXISTING ROOF WARRANTY IS MAINTAINED. ALL TIE-IN DETAILS TO BE SUBMITTED TO PREVIOUS ROOF MANUFACTURER CERTIFIED INSTALLER FOR APPROVAL PRIOR TO CONSTRUCTION.



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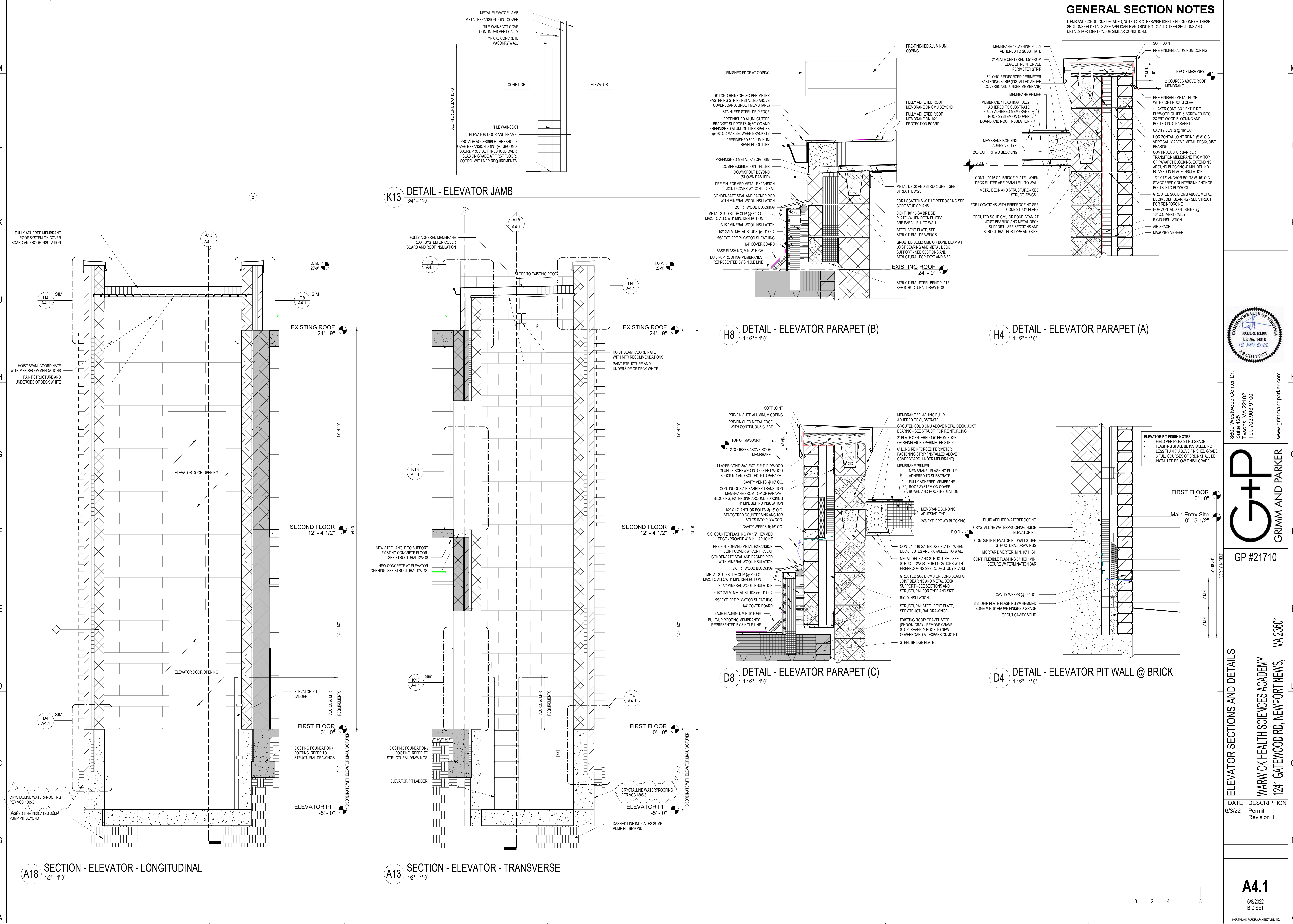


GP #21710

ENLARGED PLANS & DETAILS
WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD., NEWPORT NEWS, VA 23601

DATE	DESCRIPTION

A4.0
4/8/2022
BID SET



GENERAL SECTION NOTES

ITEMS AND CONDITIONS DETAILED, NOTED OR OTHERWISE IDENTIFIED ON ONE OF THESE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.

K13 DETAIL - ELEVATOR JAMB

3/4" = 1'-0"

H8 DETAIL - ELEVATOR PARAPET (B)

1 1/2" = 1'-0"

H4 DETAIL - ELEVATOR PARAPET (A)

1 1/2" = 1'-0"

D8 DETAIL - ELEVATOR PARAPET (C)

1 1/2" = 1'-0"

D4 DETAIL - ELEVATOR PIT WALL @ BRICK

1 1/2" = 1'-0"

A18 SECTION - ELEVATOR - LONGITUDINAL

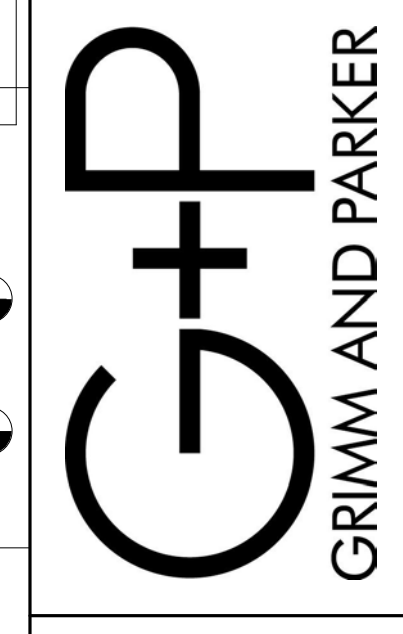
1/2" = 1'-0"

A13 SECTION - ELEVATOR - TRANSVERSE

1/2" = 1'-0"



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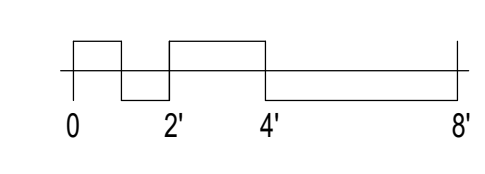
GP #21710

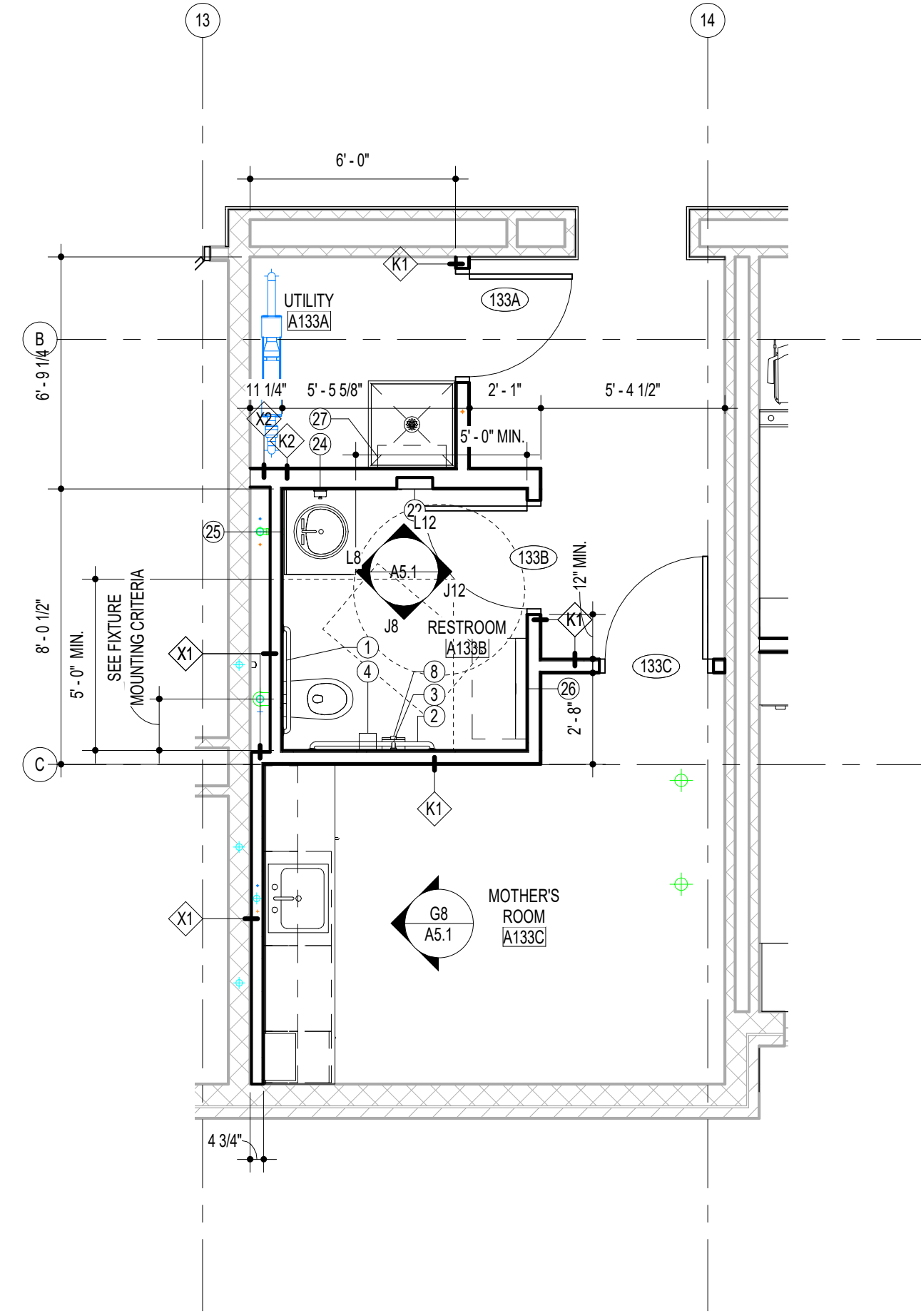
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ELEVATOR SECTIONS AND DETAILS

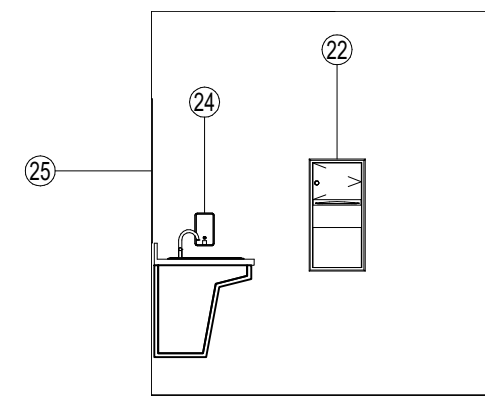
DATE	DESCRIPTION
6/3/22	Permit Revision 1

A4.1
6/8/2022
BID SET

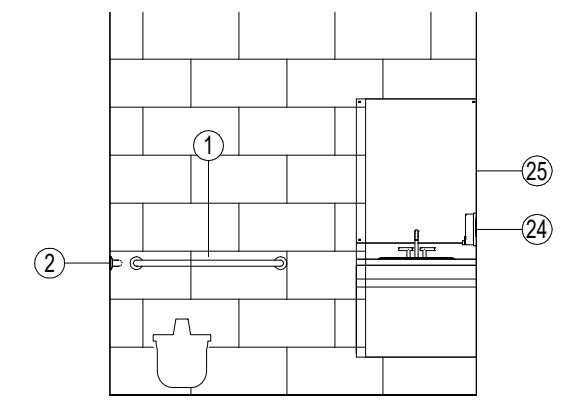




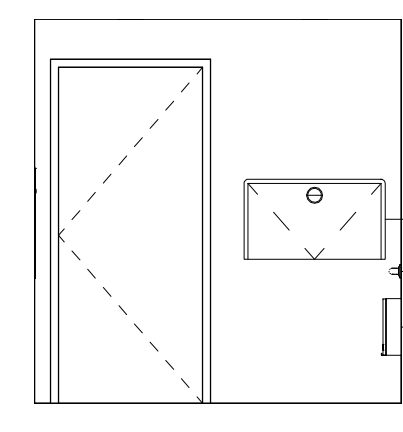
G18 ENLARGED PLAN - FAMILY ROOMS
1/4" = 1'-0"



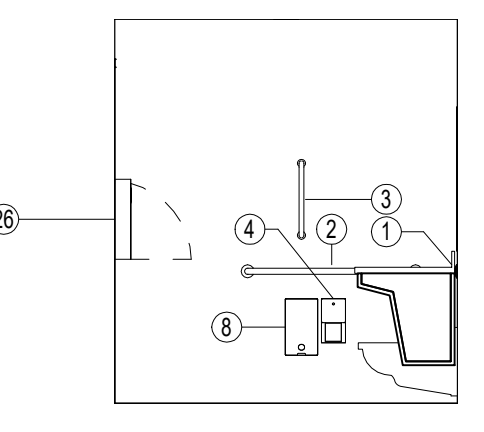
L12 INT. ELEVATION - FAMILY RESTROOM (N)
1/4" = 1'-0"



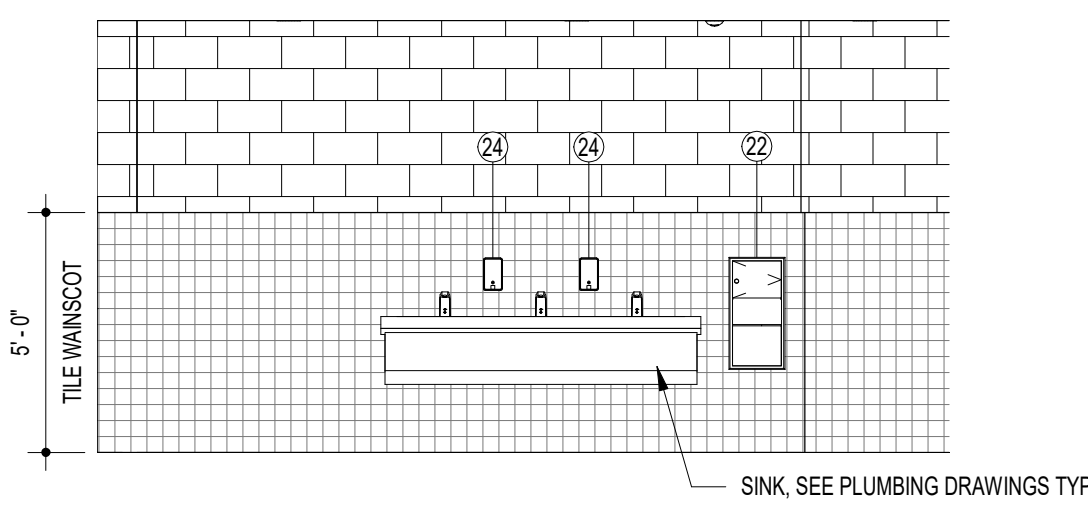
L8 INT. ELEVATION - FAMILY RESTROOM (W)
1/4" = 1'-0"



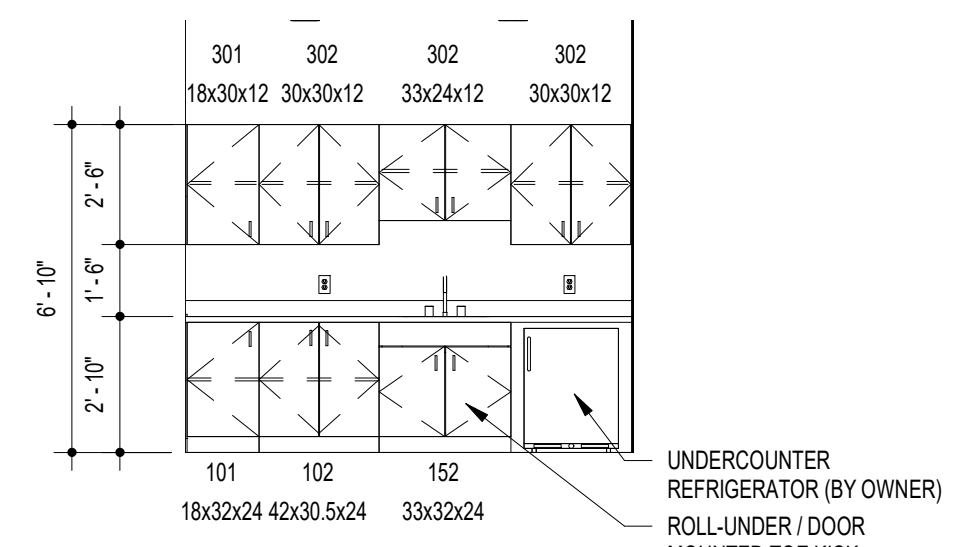
J12 INT. ELEVATION - FAMILY RESTROOM (E)
1/4" = 1'-0"



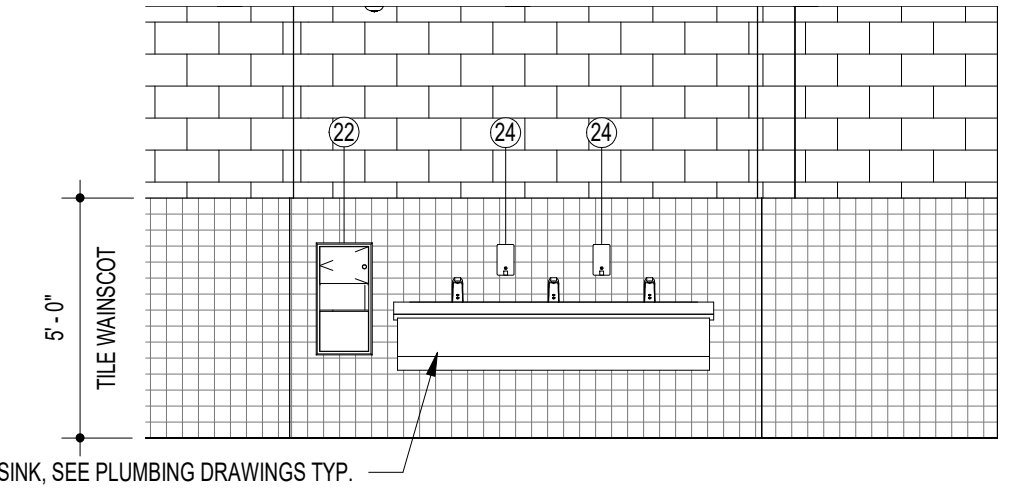
J8 INT. ELEVATION - FAMILY RESTROOM (S)
1/4" = 1'-0"



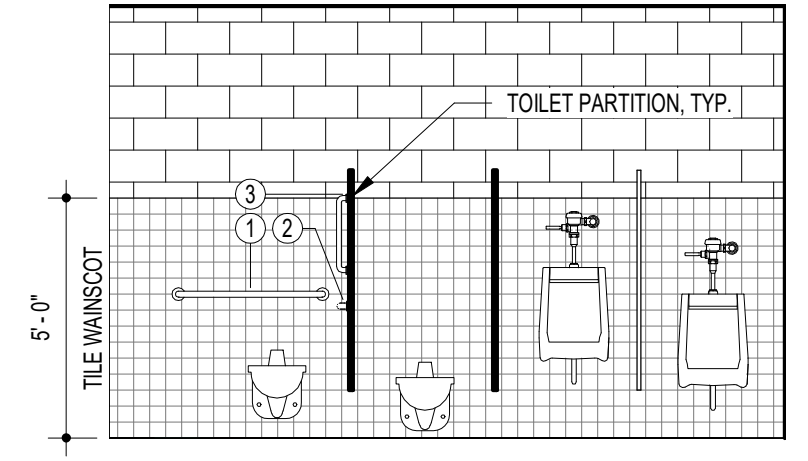
G12 INT. ELEVATION - BOYS SINK
1/4" = 1'-0"



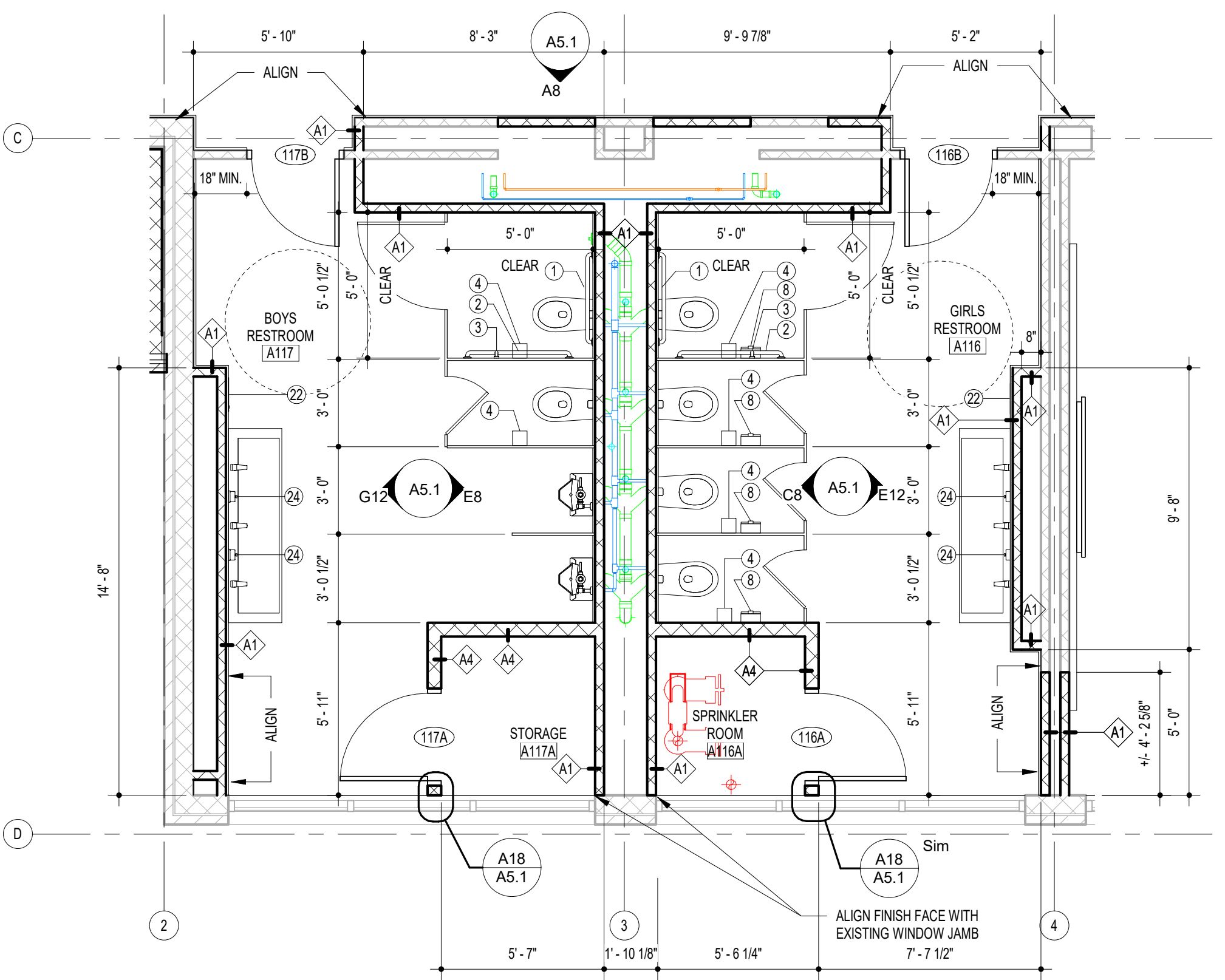
G8 INT. ELEVATION - MOTHER'S ROOM
1/4" = 1'-0"



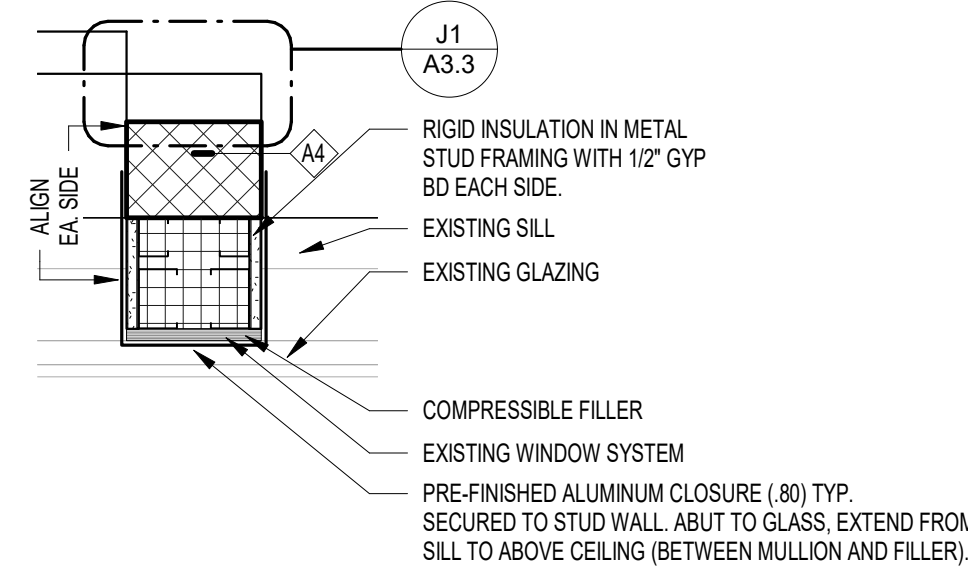
E12 INT. ELEVATION - GIRLS SINK
1/4" = 1'-0"



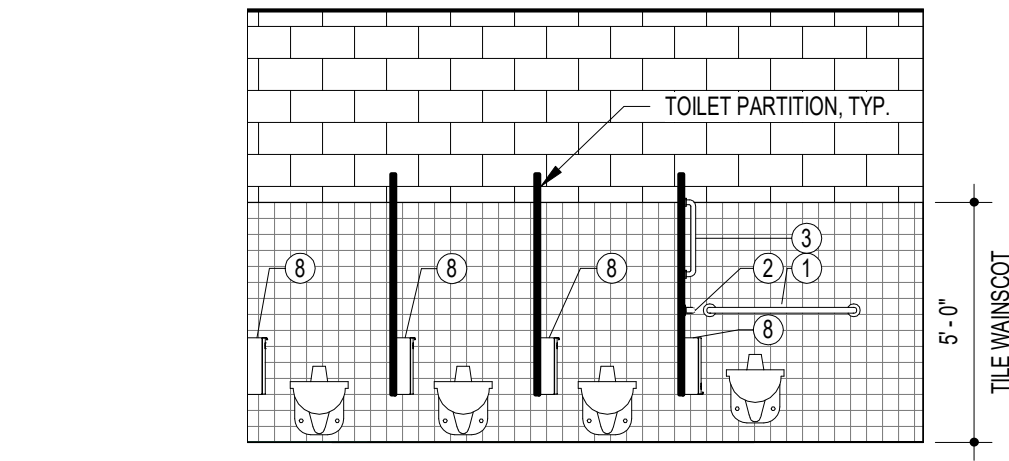
E8 INT. ELEVATION - BOYS RESTROOM
1/4" = 1'-0"



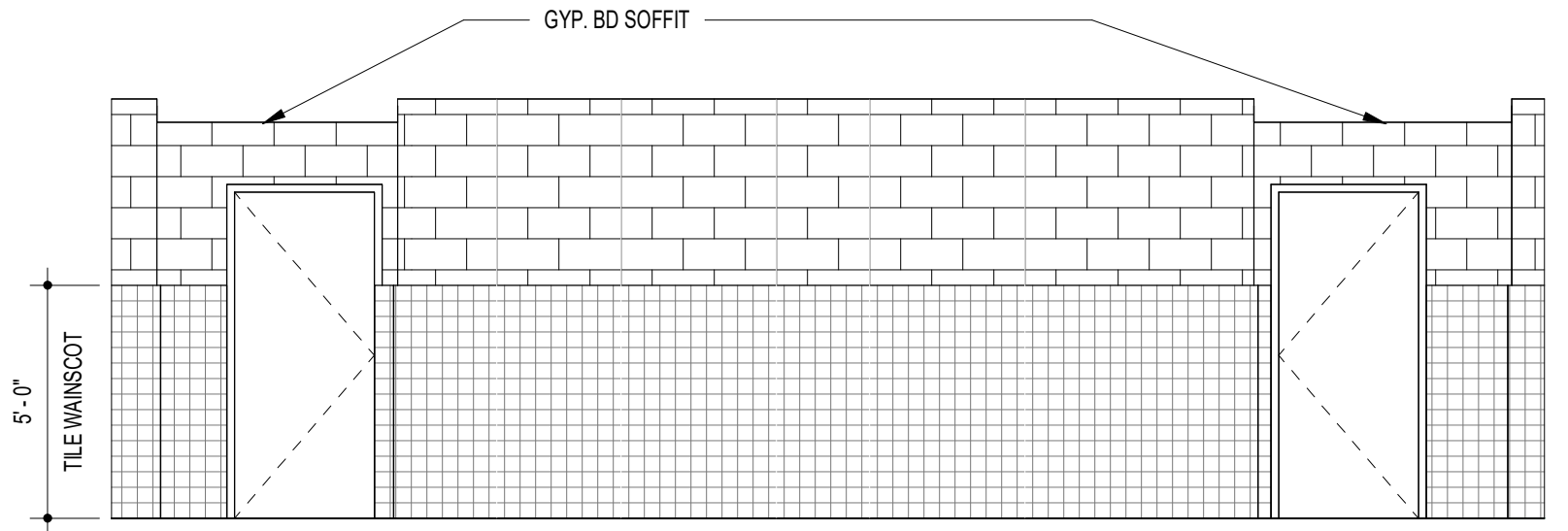
A14 ENLARGED PLAN - RESTROOMS 116 / 117
1/4" = 1'-0"



A18 DETAIL - WALL TERMINATION ENCLOSURE
1 1/2" = 1'-0"



C8 INT. ELEVATION - GIRLS RESTROOM
1/4" = 1'-0"



A8 INT. ELEVATION - CORRIDOR AT RESTROOMS
1/4" = 1'-0"

TYPICAL TOILET ROOM NOTES

- ALL ACCESSORIES ARE SURFACE MOUNTED UNLESS NOTED OTHERWISE.
- PROVIDE 1 PAPER TOWEL DISPENSER AND SOAP DISPENSER (ITEMS 1 & 2) AT EACH SINK LOCATION THROUGHOUT THE BUILDING.
- NO SUBSTITUTIONS WILL BE PERMITTED FOR TOILET ACCESSORIES UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE OWNER.
- PROVIDE UTILITY SHELF WITH HOOK HOLDER (ITEM 4) IN ALL SERVICE CLOSETS.
- LOCATE SANITARY NAPKIN DISPOSAL UNITS 2'-0" O.C. FROM ADJACENT WALL AND 2'-0" A.F.F. TO THE TOP OF THE UNIT. LOCATE AT ALL WOMEN'S TOILET.
- ALL GRAB BAR MOUNTING TO COMPLY WITH ADA REQUIREMENTS.
- CENTERLINES OF ALL TOILETS IN STALLS TO BE EQUAL DISTANT BETWEEN PARTITIONS UNLESS DIMENSIONED OR NOTED OTHERWISE.
- WHERE TOILET ACCESSORIES FALL PARTIALLY ON THE CERAMIC TILE EITHER OMIT THE TILE UNDER THE ACCESSORY FOR A FLUSH FIT OR PROVIDE CONTINUOUS WOOD BLOCKING.
- REFER TO PLUMBING PLANS FOR FLOOR DRAIN LOCATIONS.
- REFER TO PLUMBING PLANS AND SCHEDULE FOR TOILET FIXTURE TYPE LOCATIONS.

FITTURE	STANDARD		ACCESSIBLE				REMARKS
	CHILD (K-5TH)	ADULT	CHILD ADA (AGES 3-4 PRE-K)	CHILD ADA (AGES 5-8 GRADE K-2)	CHILD ADA (AGES 9-12 GRADE 3-5)	ADULT ADA (AGE 13+ GRADE 6+)	
WATER CLOSET	A	15"				18 1/2"	TO TOP OF TOILET SEAT
	B	22"				25"	TO CL OF TISSUE DISPENSING POINT
	C	-				35"	TOP OF GRAB BAR GRIPPING SURFACE
	D	-				40"	TO BOTTOM OF GRAB BAR
CHILD ADA WATER CLOSET - REAR	C	-				40"	TO CL OF GRAB BAR
	C	-				40"	TO CL OF GRAB BAR

KEY NOTES: 1) 38" GRAB BAR; 2) 42" GRAB BAR; 3) TISSUE DISPENSER; 4) VERTICAL GRAB BAR; 5) SANITARY NAPKIN DISPOSAL (WHERE INDICATED ON PLANS)

REFERENCE: ANSI 117.1-2009

NOTE: IF FLUSH VALVE IS PROVIDED AT CHILD ADA W.C. GRAB BAR MAY BE SHIFTED IF WC IS LESS THAN 15" TO WALL OR SPLIT W/ 12" AT SHORT SIDE AND 24" AT LONG SIDE TO COMPLY MOUNTING HEIGHT REQUIREMENTS

SEE ABOVE FOR GRAB BAR MOUNTING HT. 'C'

FITTURE	STANDARD		ACCESSIBLE				REMARKS
	CHILD (K-5TH)	ADULT	CHILD ADA (AGES 3-4 PRE-K)	CHILD ADA (AGES 5-8 GRADE K-2)	CHILD ADA (AGES 9-12 GRADE 3-5)	ADULT ADA (AGE 13+ GRADE 6+)	
WATER CLOSET - TOP	A	SEE PLANS	12"	14"	16"	17"	TO CENTERLINE OF WATER CLOSET
	B	1'-0"					

KEY NOTES: 1) 38" GRAB BAR; 2) 42" GRAB BAR; 3) FLUSH VALVE ACTUATOR TO BE LOCATED ON OPEN SIDE OF WATER CLOSET; 4) WHERE WATER CLOSET IS INSTALLED WITHIN AN ACCESSIBLE COMPARTMENT, OBSERVE REQUIRED DOOR OPENING LOCATIONS AND DIMENSIONS RELATIVE TO WATER CLOSET LOCATION AS SHOWN (OPPOSITE NEAR-SIDE WALL/PARTITION); 5) PROVIDE MINIMUM 32" CLEAR DOOR OPENING MEASURED BETWEEN FACE OF DOOR AND STRIKE-SIDE JAMB FACE WITH DOOR IN 90 DEG. OPEN POSITION.

REFERENCE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN

FITTURE	STANDARD		ACCESSIBLE				REMARKS
	CHILD (K-5TH)	ADULT	CHILD ADA (AGES 3-4 PRE-K)	CHILD ADA (AGES 5-8 GRADE K-2)	CHILD ADA (AGES 9-12 GRADE 3-5)	ADULT ADA (AGE 13 & UP GRADE 6 & UP)	
WATER CLOSET - REAR	A	17"	24"	15"	15"	15"	TO TOP OF RIM
	B	31"	31"	31"	31"	33"	TO TOP OF RIM
LAVATORY	B	38"	38"	38"	38"	39"	TO B.O. MIRROR REFLECTIVE SURFACE
	C	40"	35"	39"	39"	40"	TO CENTERLINE OF SOAP DISPENSING POINT
PAPER TOWEL DISP.	A	40"	35"	38"	38"	40"	TO CENTERLINE OF TOWEL DISPENSING POINT
	B	40"	35"	38"	38"	40"	TO ELECTRIC EYE OF HAND DRYER OR PUSH BUTTON
WATER COOLER	A	42"	35"	35"	35"	35"	TO SPOUT OUTLET

ITEM #	ACCESSORY DESCRIPTION	BOBRICK	A.S.I.	BRADLEY	REMARKS
	Bobrick B-2886 Classic Series Surface Mounted Multi-roll Toilet Tissue Dispenser				
1	GRAB BAR - 36"	B-6806-36	3201P-36	8122-001360	
2	GRAB BAR - 42"	B-6806-42	3201P-42	8122-001420	
3	VERTICAL GRAB BAR - 18"	B-6806-18	3501-18		
4	TOILET TISSUE DISPENSER				NNPS STANDARD
8	SANITARY NAPKIN DISPOSAL	B-35139	0852	4781-11	PARTITION MOUNTED
22	Recessed Combination Towel and Waste Unit	B-398			
24	Surface Mounted Soap Dispenser	B-2111			NNPS STANDARD
25	Stainless Steel Mirror				SIZE AS INDICATED
26	Surface Mounted Baby Changing Station	KB110-SSWM			
27	UTILITY SHELF	B-298X24			



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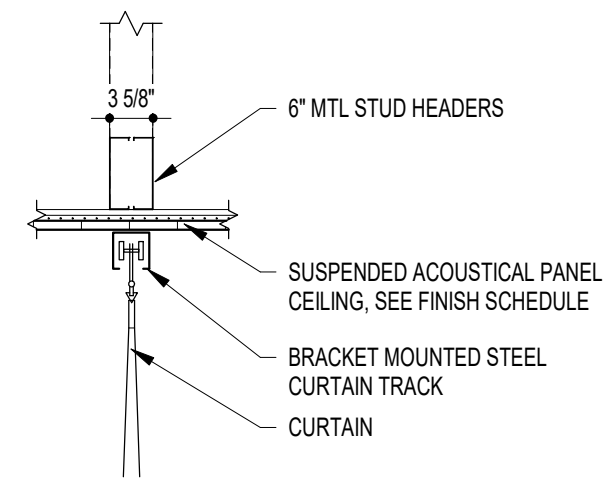


GP #21710

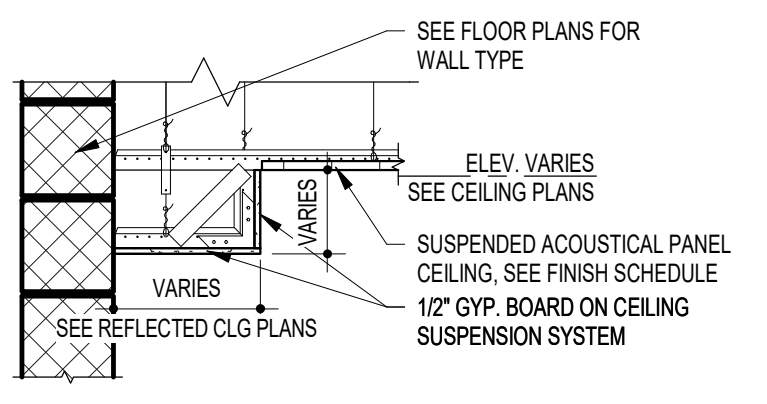
ENLARGED TOILET ROOM PLANS
WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD., NEWPORT NEWS, VA 23601

DATE	DESCRIPTION

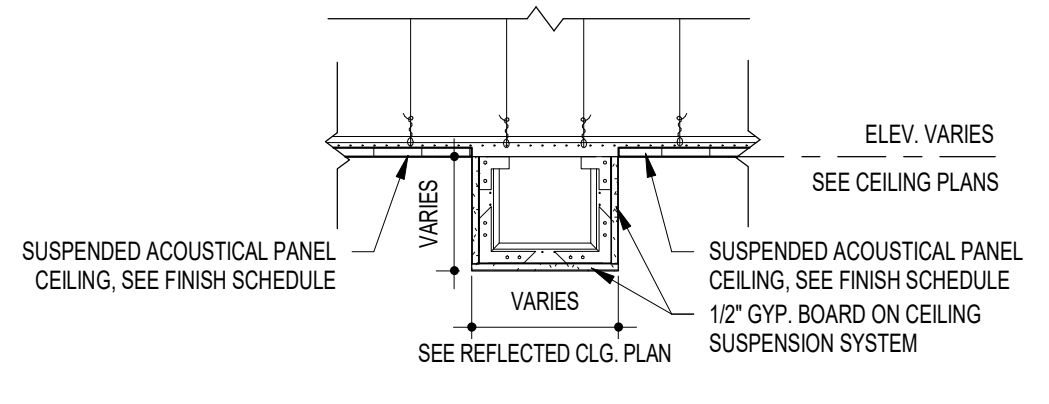
A5.1
6/8/2022
BID SET



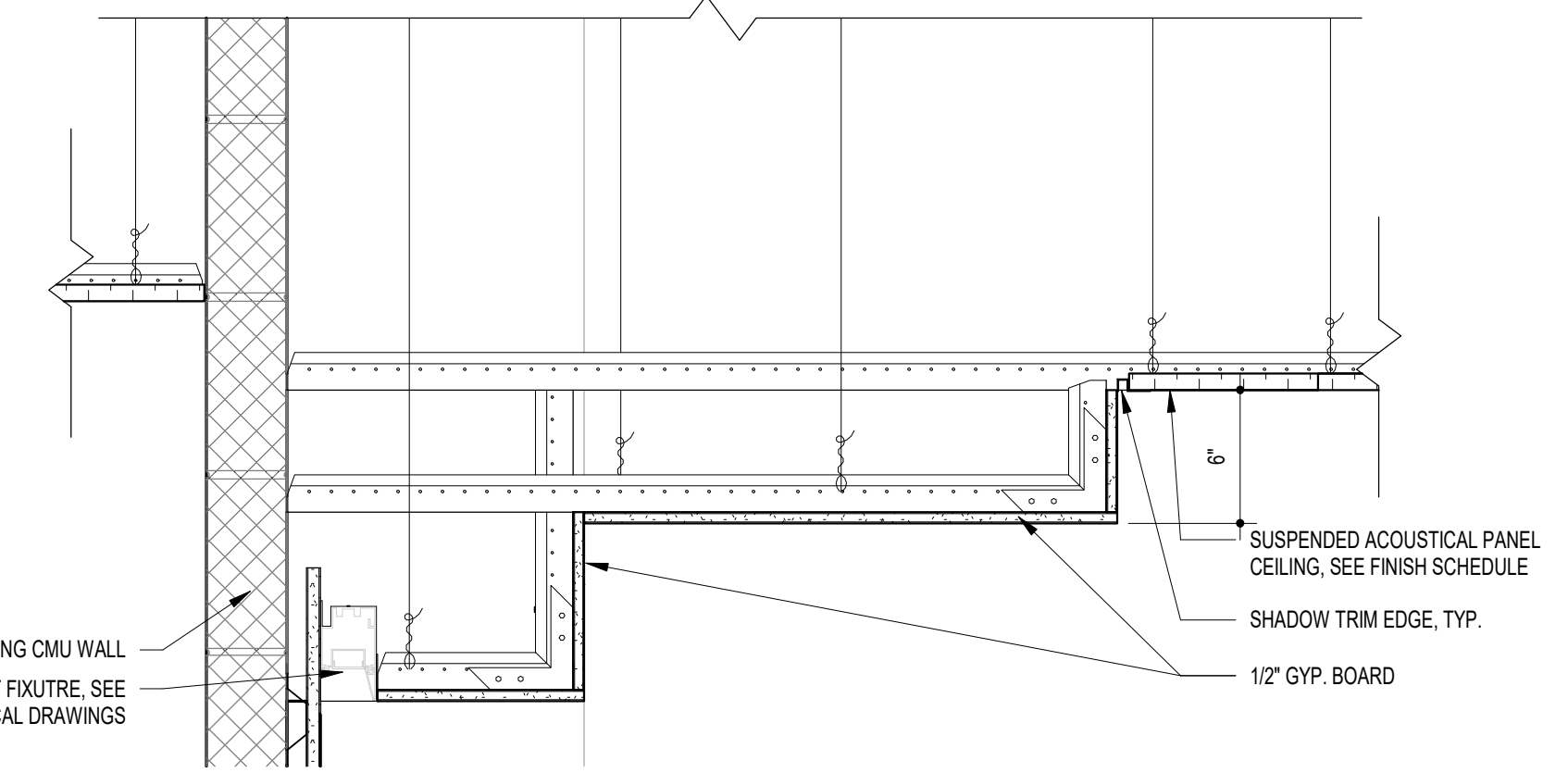
L18 DETAIL - CUBICLE CURTAIN
3/4" = 1'-0"



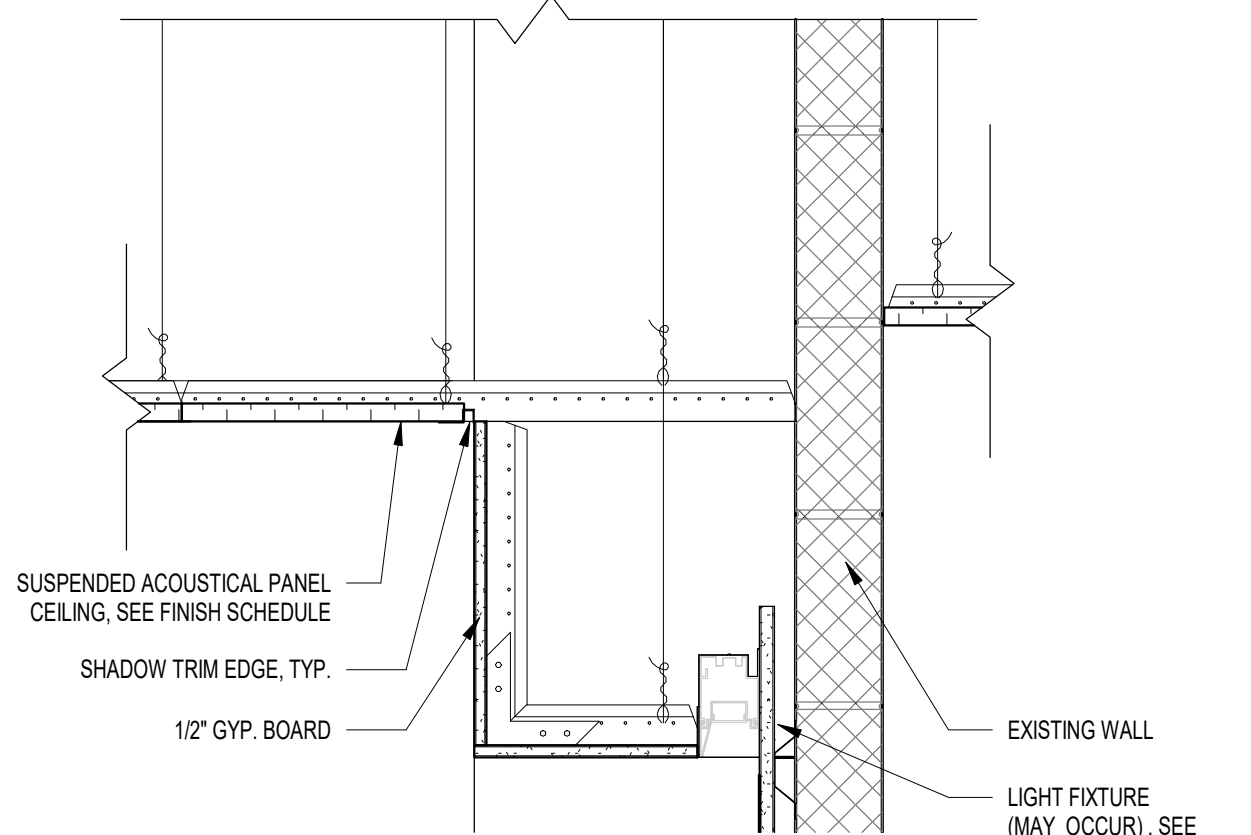
L14 DETAIL - TYPICAL BULKHEAD - CMU
3/4" = 1'-0"



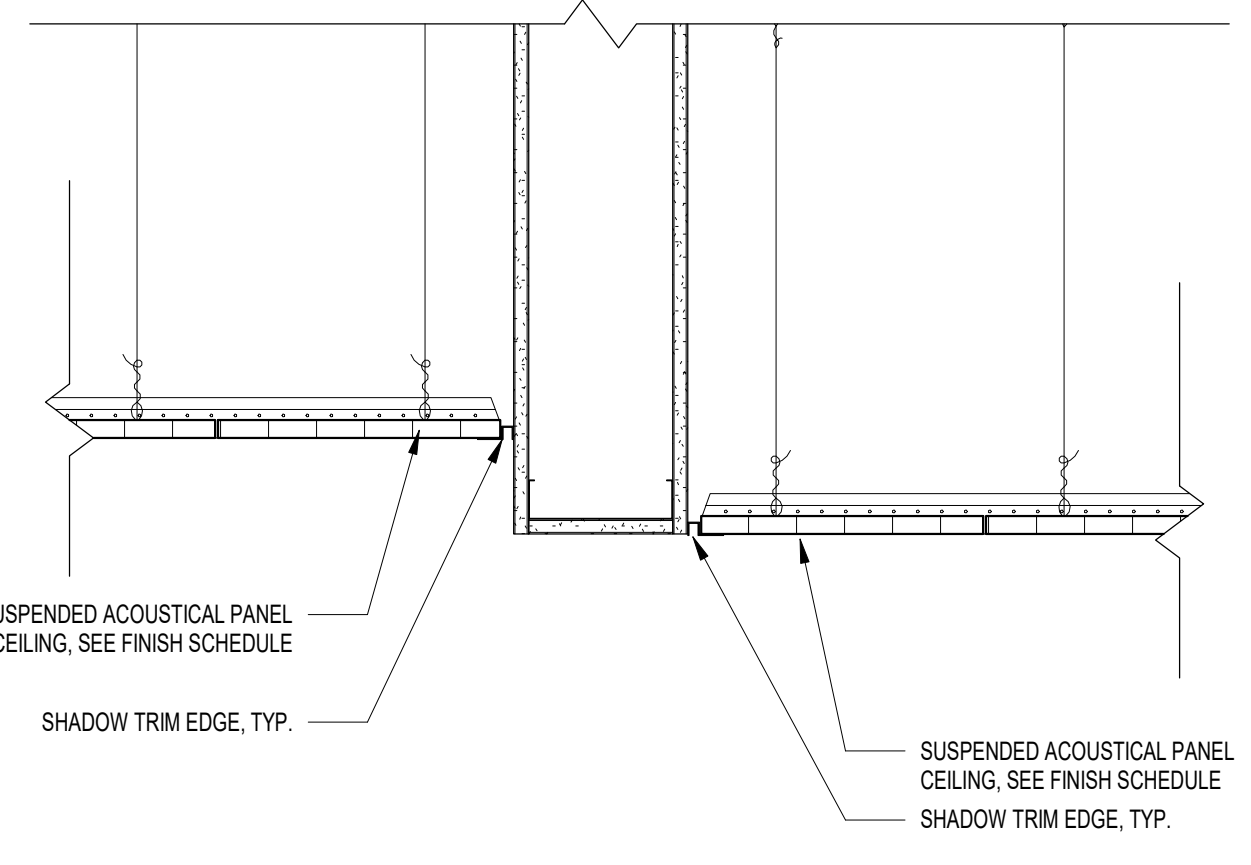
L9 CEILING DETAIL - TYPICAL BULKHEAD
3/4" = 1'-0"



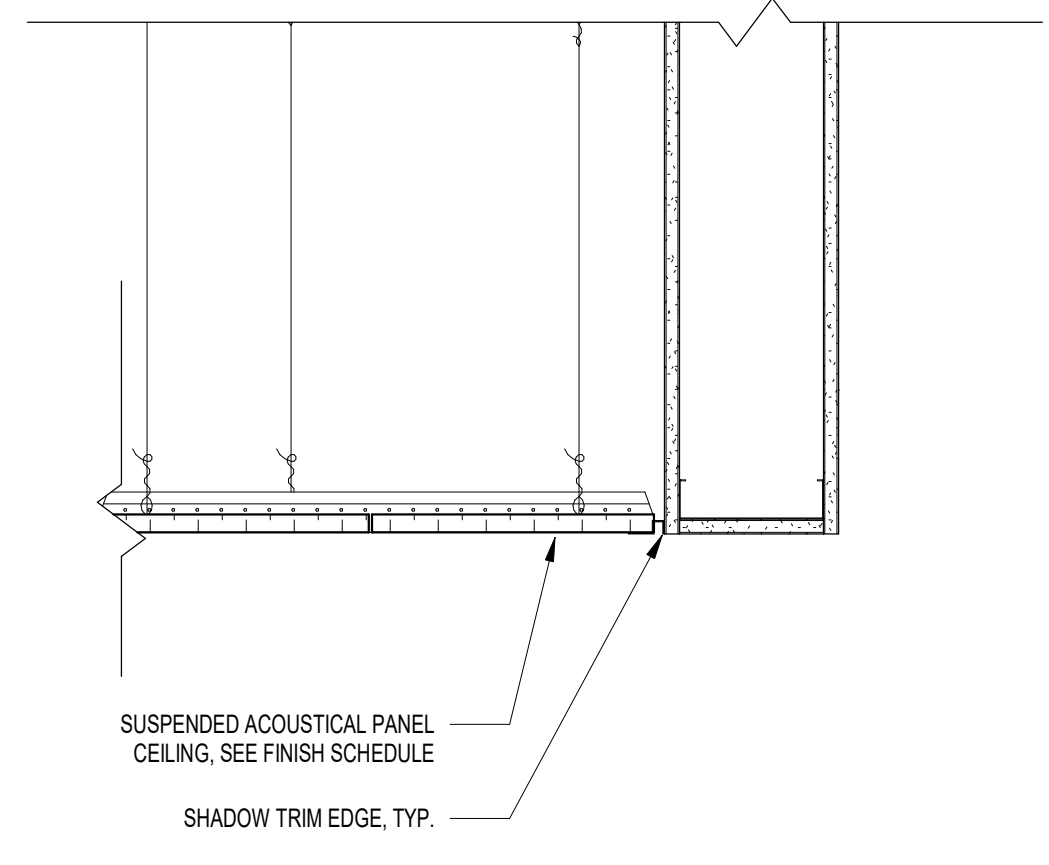
H18 CEILING DETAIL - TYPICAL CORRIDOR NORTH
1 1/2" = 1'-0"



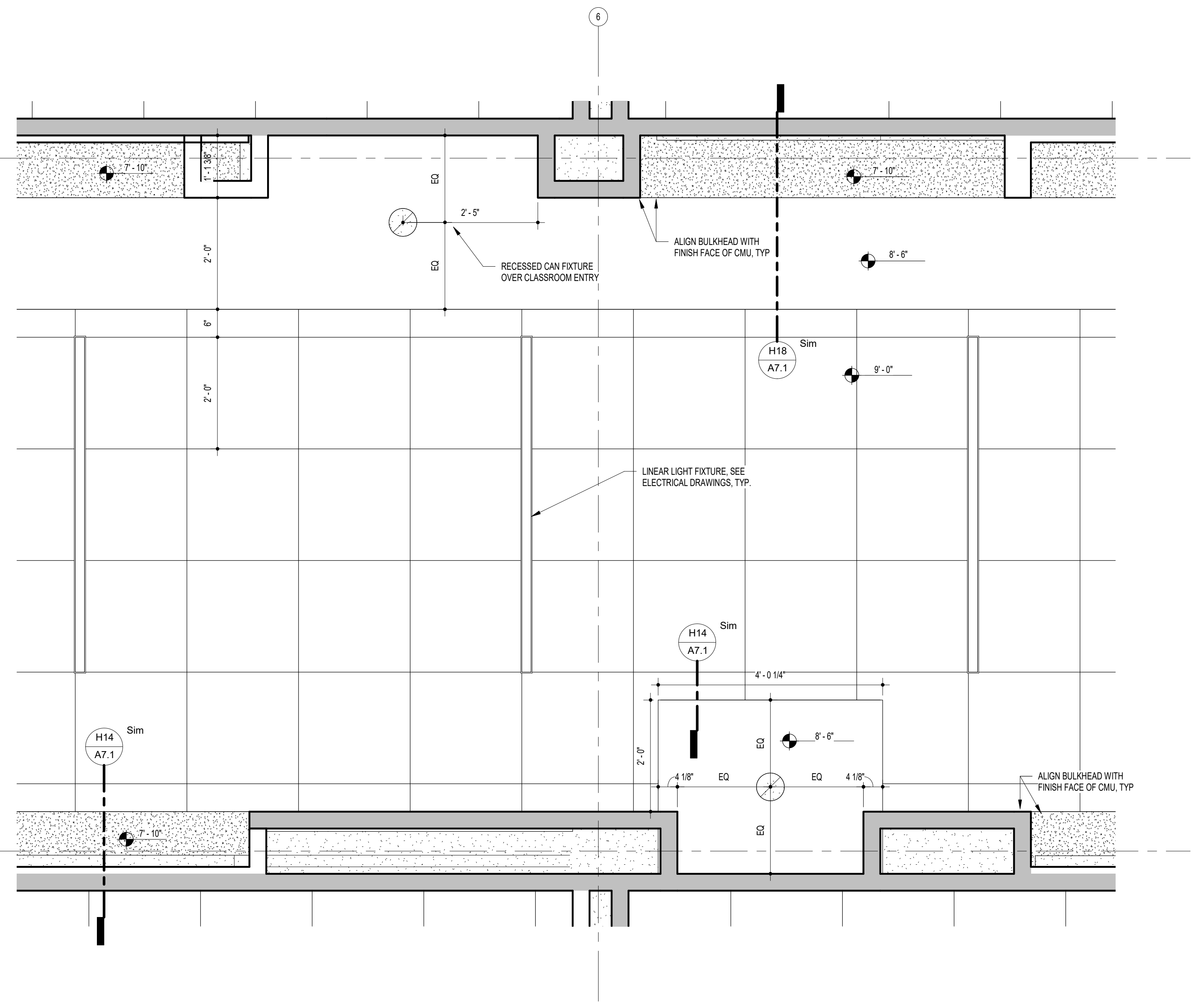
H14 CEILING DETAIL - TYPICAL CORRIDOR SOUTH
1 1/2" = 1'-0"



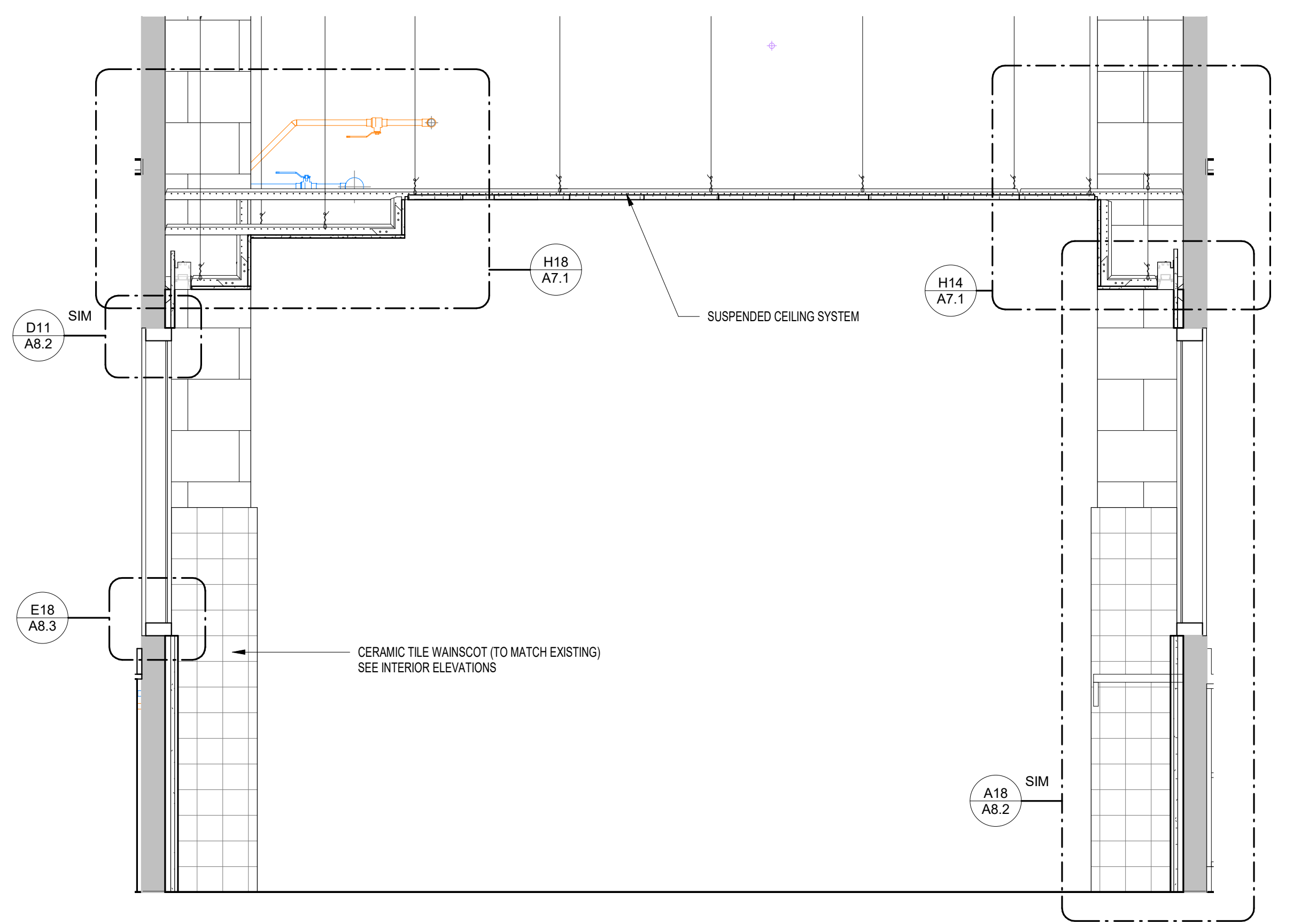
H9 CEILING DETAIL - APC TO GYP (TWO SIDES)
1 1/2" = 1'-0"



H5 CEILING DETAIL - APC TO GYP/CMU
1 1/2" = 1'-0"



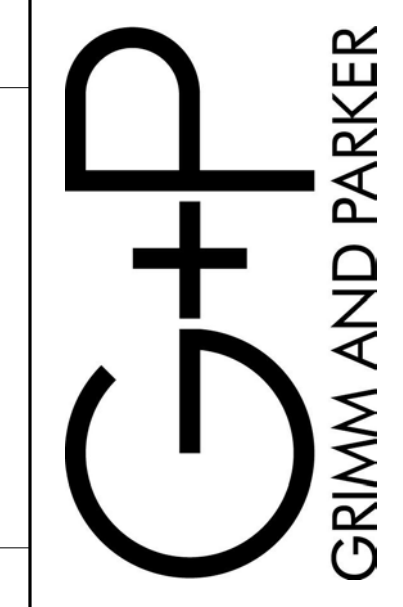
A18 REFLECTED CEILING PLAN DETAIL - TYPICAL CEILING
3/4" = 1'-0"



A7 SECTION - TYPICAL CORRIDOR WIDTH
3/4" = 1'-0"



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DATE	DESCRIPTION

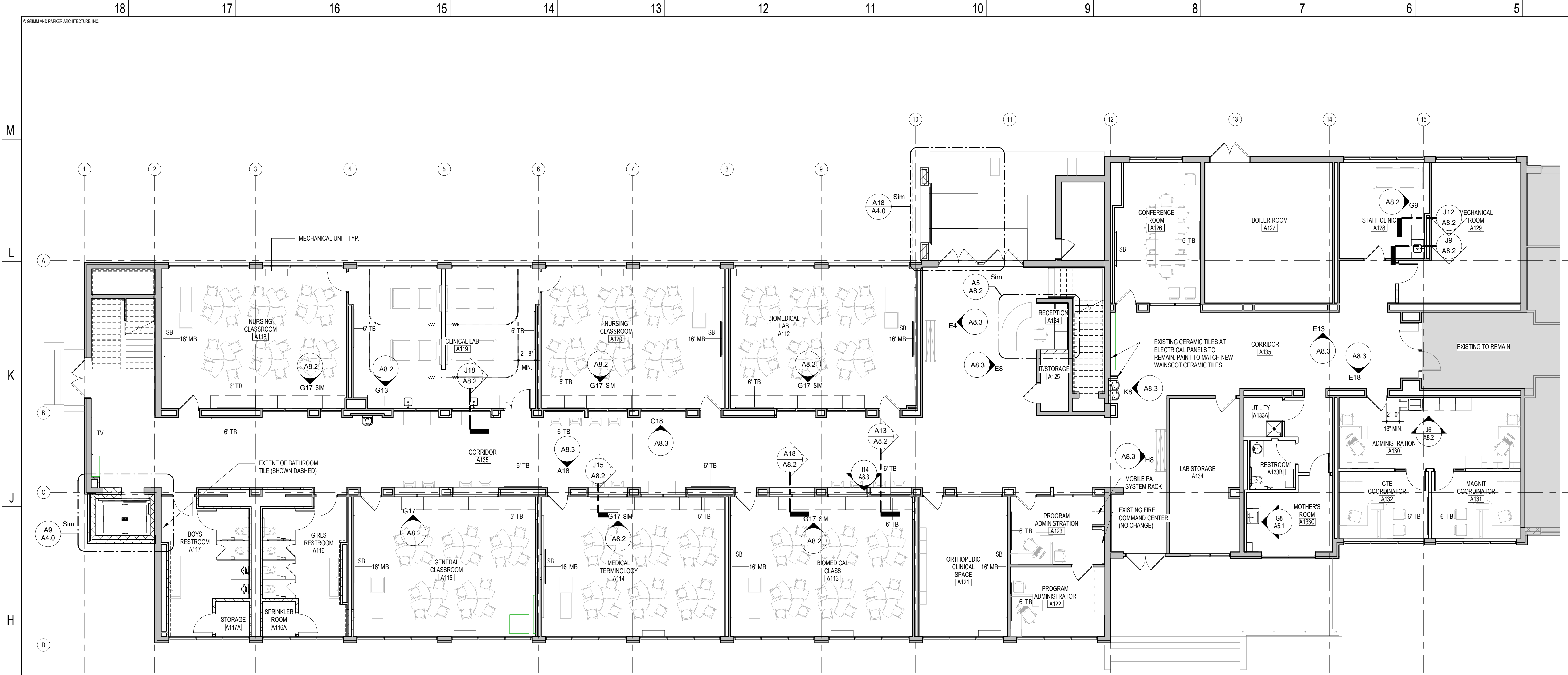
A7.1
6/8/2022
BID SET

FURNISHING AND EQUIPMENT NOTES

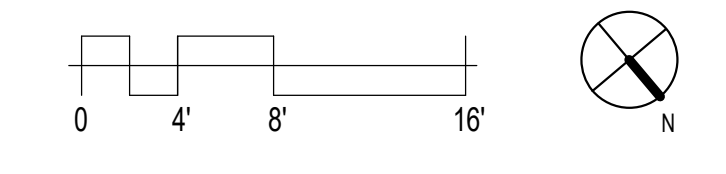
- NOTE: NOT ALL ITEMS INDICATED ON SCHEDULE ARE REPRESENTED IN THIS PROJECT.
1. ALL CABINET HEIGHTS INCLUDE COUNTERTOPS. DIMENSIONS ARE TO THE NEAREST INCH.
 2. DIVISIONS IN CASEWORK ARE SHOWN FOR CLARITY AND DO NOT REPRESENT BREAKS IN THE COUNTERTOP.
 3. PROVIDE CONTINUOUS COUNTERTOP OVER ALL SIMILAR HEIGHT CASEWORK, UNLESS OTHERWISE NOTED.
 4. MANUFACTURER AND CATALOG NUMBERS ARE FOR REFERENCE AND ILLUSTRATION PURPOSES ONLY. SEE SPECIFICATION FOR FULL CASEWORK REQUIREMENTS.
 5. PROVIDE RESILIENT BASE FOR ALL CASEWORK THAT MEETS THE FLOOR ON FRONT AND EXPOSED SIDES AND BACK. DOTTED LINES INDICATE WALL HUNG CABINETS. DIVISIONS OF BASE CABINETS BELOW THE COUNTERTOP. FURNITURE NOT IN THE CONTRACT OR PROJECTION SCREENS - SEE CASEWORK KEY AND SPECIFICATIONS.
 7. ALL CABINETS AND DRAWERS TO HAVE CAM LOCKS EXCEPT FOR SINK BASE CABINETS.
 8. ALL EXPOSED SURFACES EXPOSED TO VIEW FROM ANY PERSPECTIVE TO BE COVERED WITH LAMINATE.
 9. ALL CASEWORK WHICH MEETS A WALL AT ONE OR BOTH ENDS, TO BE PROVIDED WITH FILLER PANELS AND SCRIBED TO THE WALL(S) AS REQUIRED.
 10. ALL CABINETS AND DRAWERS IN THE KINDERGARTEN ROOMS TO BE PROVIDED WITH RECESSED HANDLES.
 11. ALL COUNTERTOP CORNERS TO BE 1/2" RADIUS UNLESS OTHERWISE NOTED.
 12. PROVIDE ADEQUATE BLOCKING IN STUD WALLS AND AT CMU WALLS FOR WALL MOUNTED EQUIPMENT AND FURNISHINGS.
 13. CONTRACTOR TO FIELD VERIFY ALL CLEAR OPENINGS PRIOR TO MILLWORK OR CASEWORK FABRICATION.
 14. MILLWORK AND CASEWORK DRAWINGS ARE DIAGRAMMATIC IN NATURE TO SHOW DESIGN INTENT. ALL WORK TO BE DONE IN ACCORDANCE WITH SPECIFICATIONS. CONSTRUCTION DETAILS ARE TO BE SUBMITTED IN SHOP DRAWINGS AND ARE SUBJECT TO THE APPROVAL OF THE ARCHITECT.

VISUAL DISPLAY KEY

TB	TACKBOARD
MB	MARKERBOARD
SB	SMART BOARD
TV	TV MONITOR

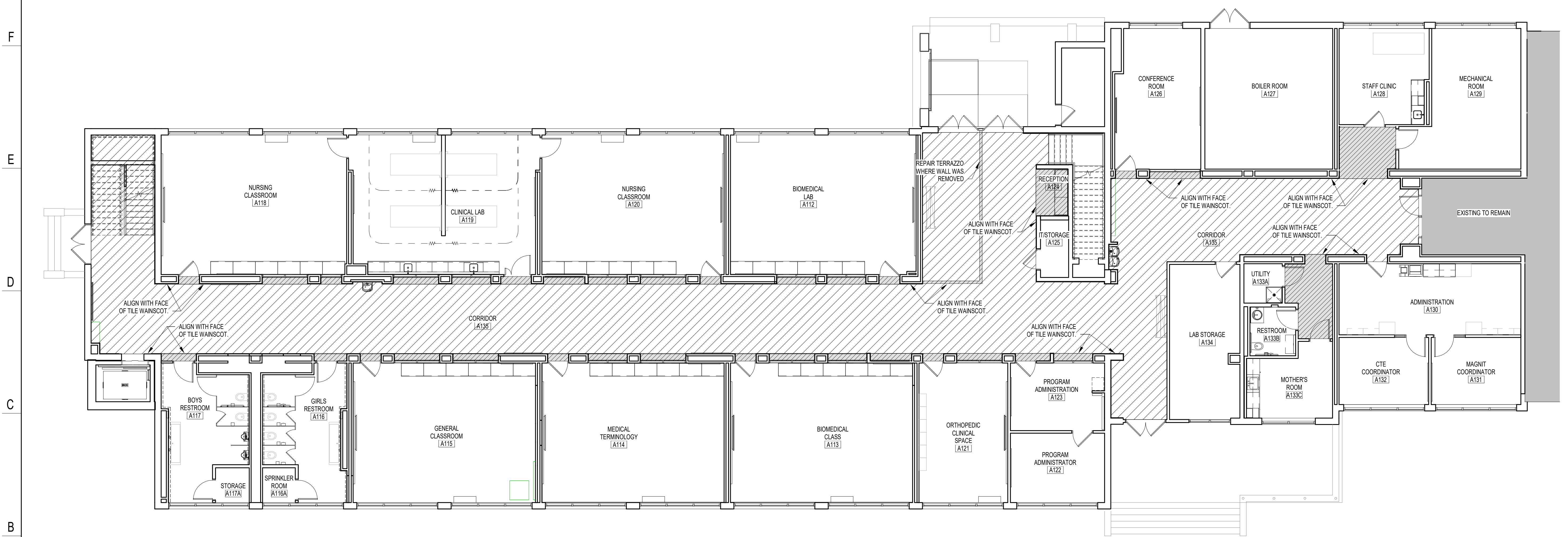


G18 FIRST FLOOR - FURNITURE AND FINISHES PLAN
1/8" = 1'-0"

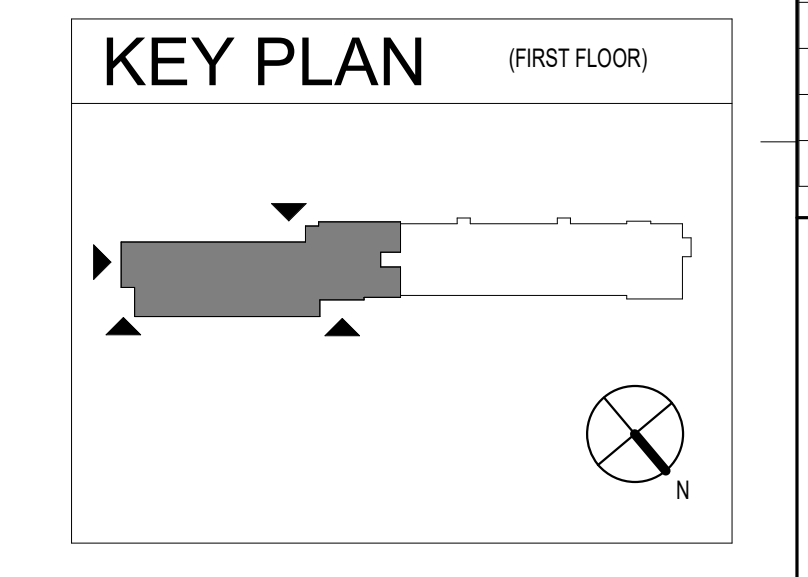
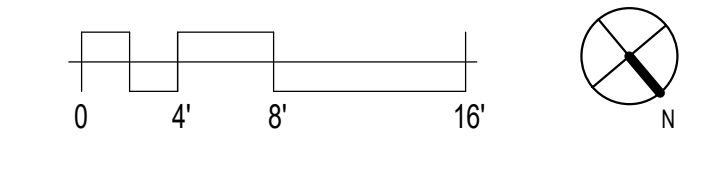


TERRAZZO TYPE KEY

	EXISTING TO REMAIN TERRAZZO
	NEW TERRAZZO



A18 FIRST FLOOR - INFILL TERRAZZO DIAGRAM
1/8" = 1'-0"



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FURNISHING & FINISHES PLAN & CASEWORK ELEV.
WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD., NEWPORT NEWS, VA 23601

DATE	DESCRIPTION

A8.1
6/8/2022
BID SET

FURNISHING AND EQUIPMENT NOTES

- NOTE: NOT ALL ITEMS INDICATED ON SCHEDULE ARE REPRESENTED IN THIS PROJECT.
1. ALL CABINET HEIGHTS INCLUDE COUNTERTOPS. DIMENSIONS ARE TO THE NEAREST INCH.
 2. DIVISIONS IN CASEWORK ARE SHOWN FOR CLARITY AND DO NOT REPRESENT BREAKS IN THE COUNTERTOP.
 3. PROVIDE CONTINUOUS COUNTERTOP OVER ALL SIMILAR HEIGHT CASEWORK, UNLESS OTHERWISE NOTED.
 4. MANUFACTURER AND CATALOG NUMBERS ARE FOR REFERENCE AND ILLUSTRATION PURPOSES ONLY. SEE SPECIFICATION FOR FULL CASEWORK REQUIREMENTS.
 5. PROVIDE RESILIENT BASE FOR ALL CASEWORK THAT MEETS THE FLOOR ON FRONT AND EXPOSED SIDES AND BACK.
 6. DOTTED LINES INDICATE WALL HUNG CABINETS. DIVISIONS OF BASE CABINETS BELOW THE COUNTERTOP. FURNITURE NOT IN THE CONTRACT OR PROJECTION SCREENS. SEE CASEWORK KEY AND SPECIFICATIONS.
 7. ALL CABINETS AND DRAWERS TO HAVE CAM LOCKS EXCEPT FOR SINK BASE CABINETS.
 8. ALL EXPOSED SURFACES (EXPOSED TO VIEW FROM ANY PERSPECTIVE) TO BE COVERED WITH LAMINATE.
 9. ALL CASEWORK WHICH MEETS A WALL AT ONE OR BOTH ENDS, TO BE PROVIDED WITH FILLER PANELS AND SCRIBED TO THE WALLS AS REQUIRED.
 10. ALL CABINETS AND DRAWERS IN THE KINDERGARTEN ROOMS TO BE PROVIDED WITH RECESSED HANDLES.
 11. ALL COUNTERTOP CORNERS TO BE 1/2" RADIUS UNLESS OTHERWISE NOTED.
 12. PROVIDE ADEQUATE BLOCKING IN STUD WALLS AND AT CMU WALLS FOR WALL MOUNTED EQUIPMENT AND FURNISHINGS.
 13. CONTRACTOR TO FIELD VERIFY ALL CLEAR OPENINGS PRIOR TO MILLWORK OR CASEWORK FABRICATION.
 14. MILLWORK AND CASEWORK DRAWINGS ARE DIAGRAMMATIC IN NATURE TO SHOW DESIGN INTENT. ALL WORK TO BE DONE IN ACCORDANCE WITH SPECIFICATIONS. CONSTRUCTION DETAILS ARE TO BE SUBMITTED IN SHOP DRAWINGS AND ARE SUBJECT TO THE APPROVAL OF THE ARCHITECT.

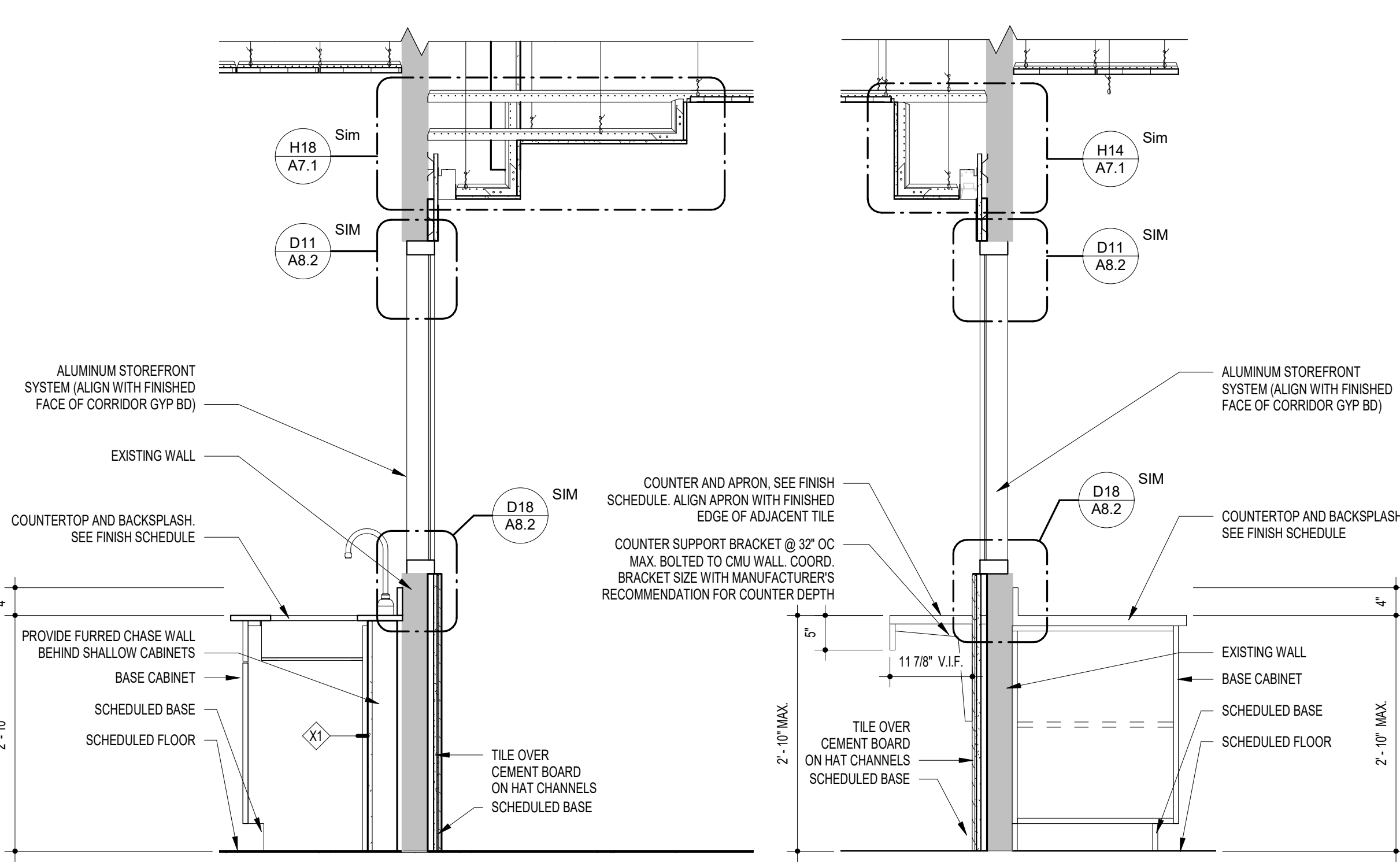
CASEWORK KEY

MODEL #
WIDTH X HEIGHT X DEPTH
REMARKS

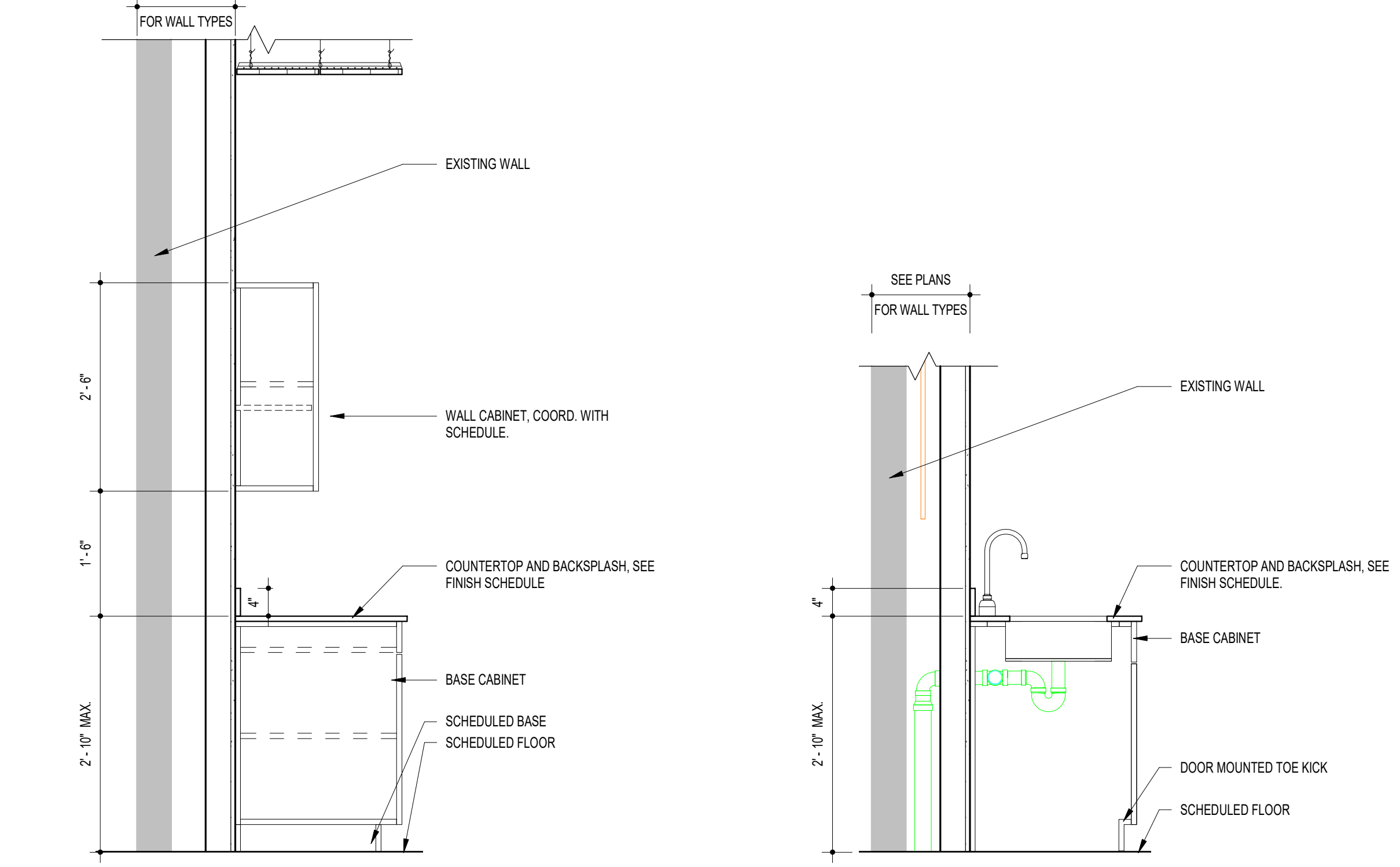
CON. COUNTER & BACK SPLASH

MODEL #
WIDTH X HEIGHT X DEPTH
REMARKS

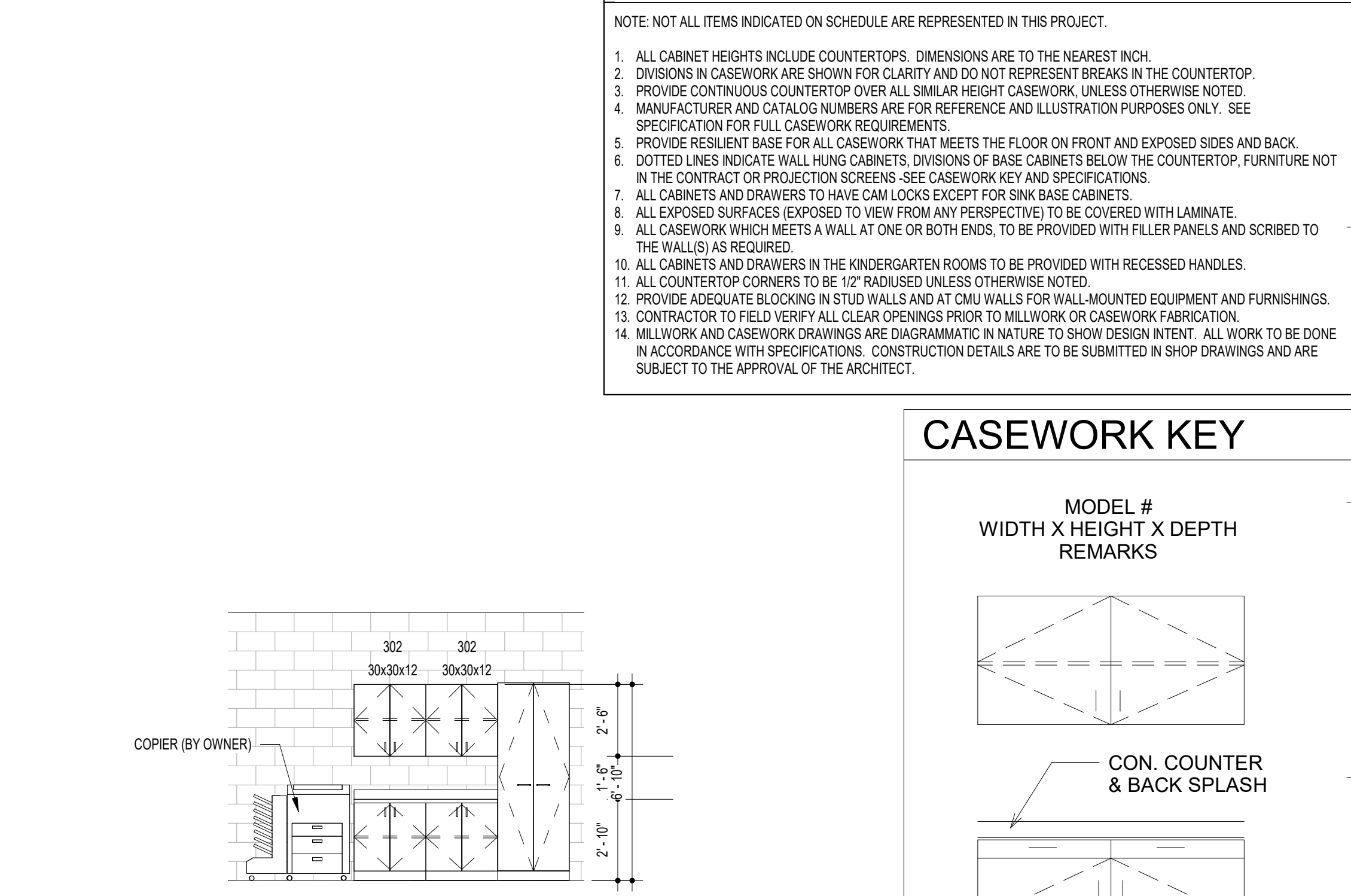
NOTE: ALL CASEWORK MODEL NUMBERS ARE FROM THE NORTH AMERICAN ARCHITECTURAL WOODWORK STANDARDS (NAAWS) DESIGNS FOR ARCHITECTURAL CABINETS.



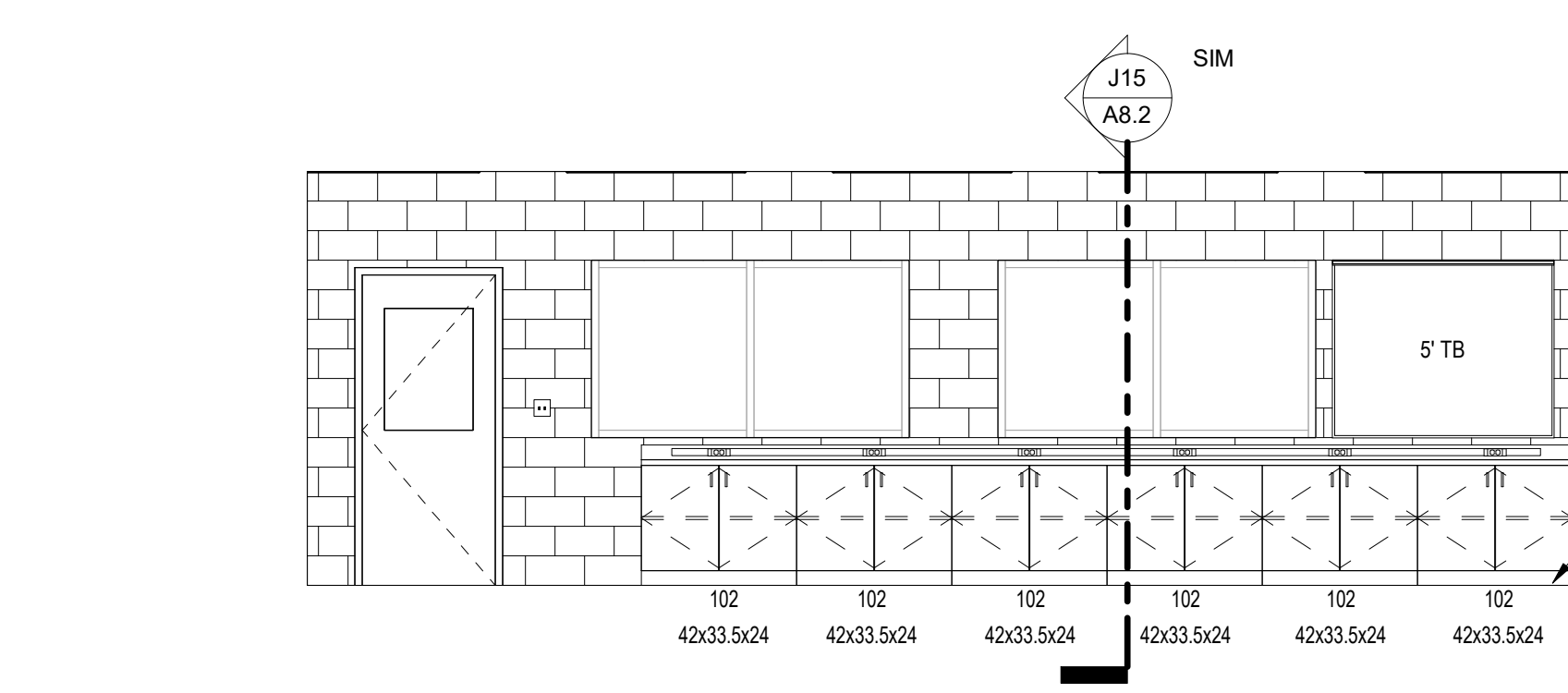
J18 SECTION - COUNTER (SINK)
3/4" = 1'-0"



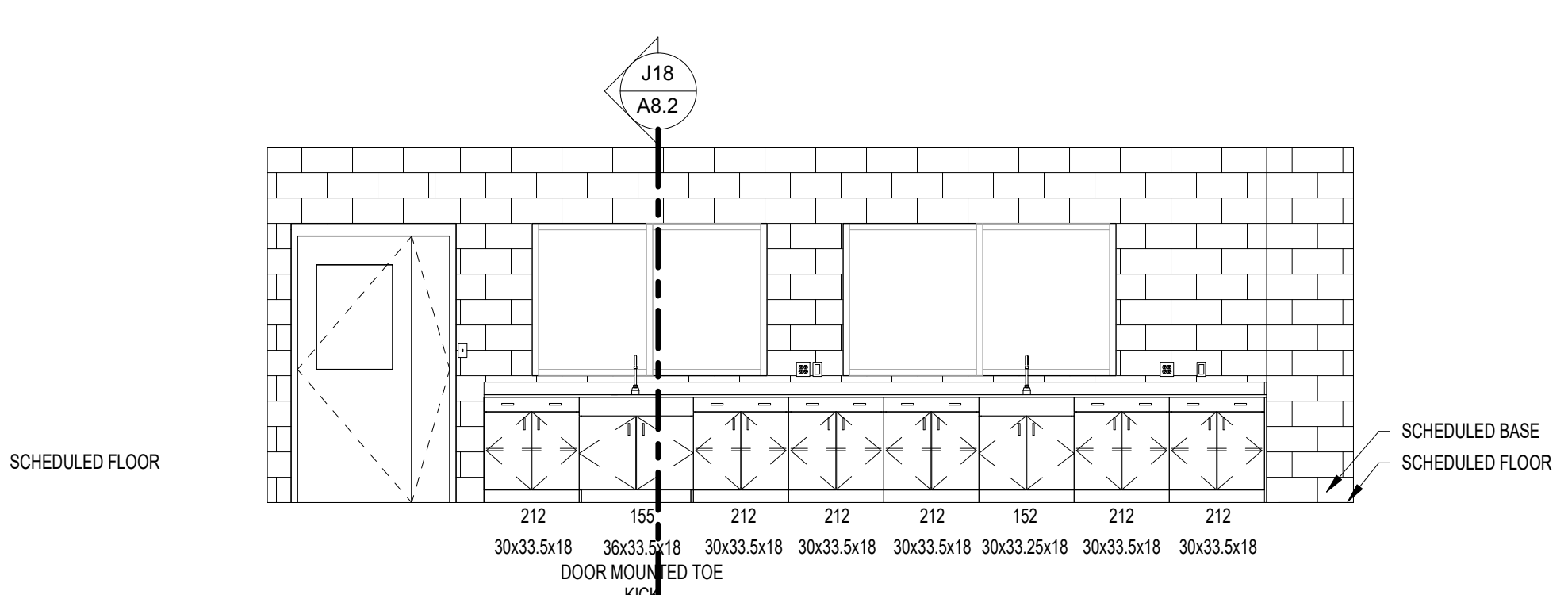
J12 SECTION - LAB BASE & WALL CABINET
3/4" = 1'-0"



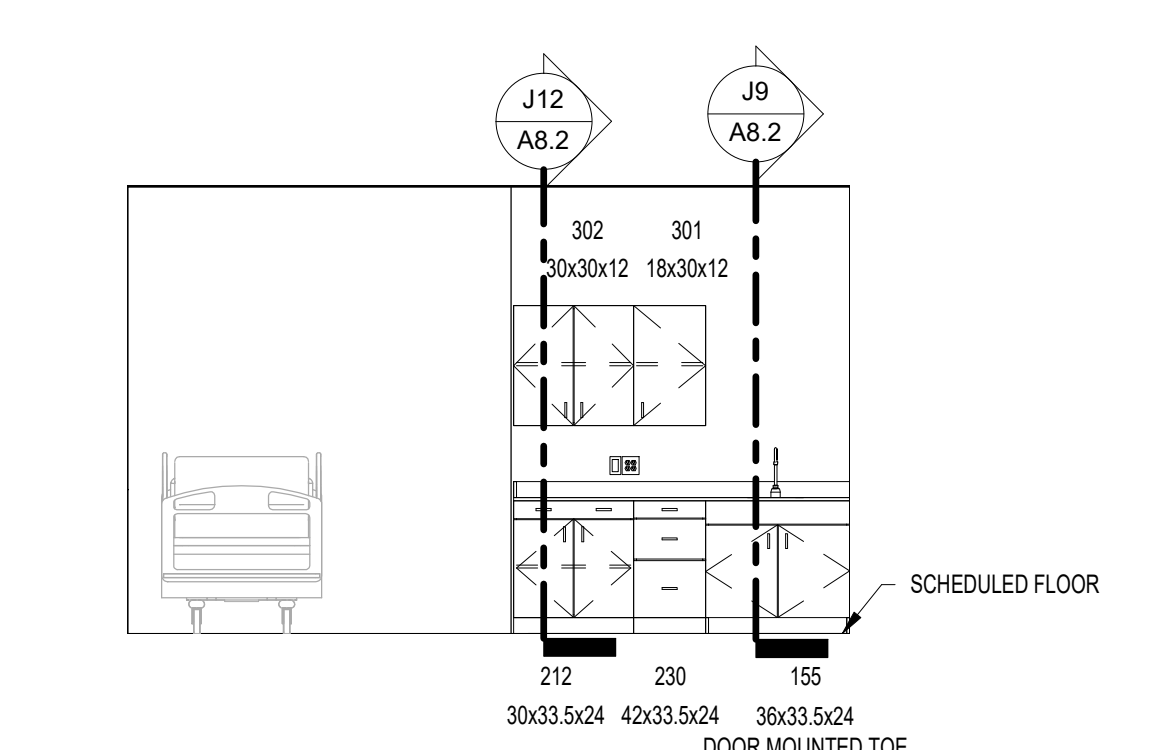
J6 INTERIOR ELEVATION - ADMINISTRATION
1/4" = 1'-0"



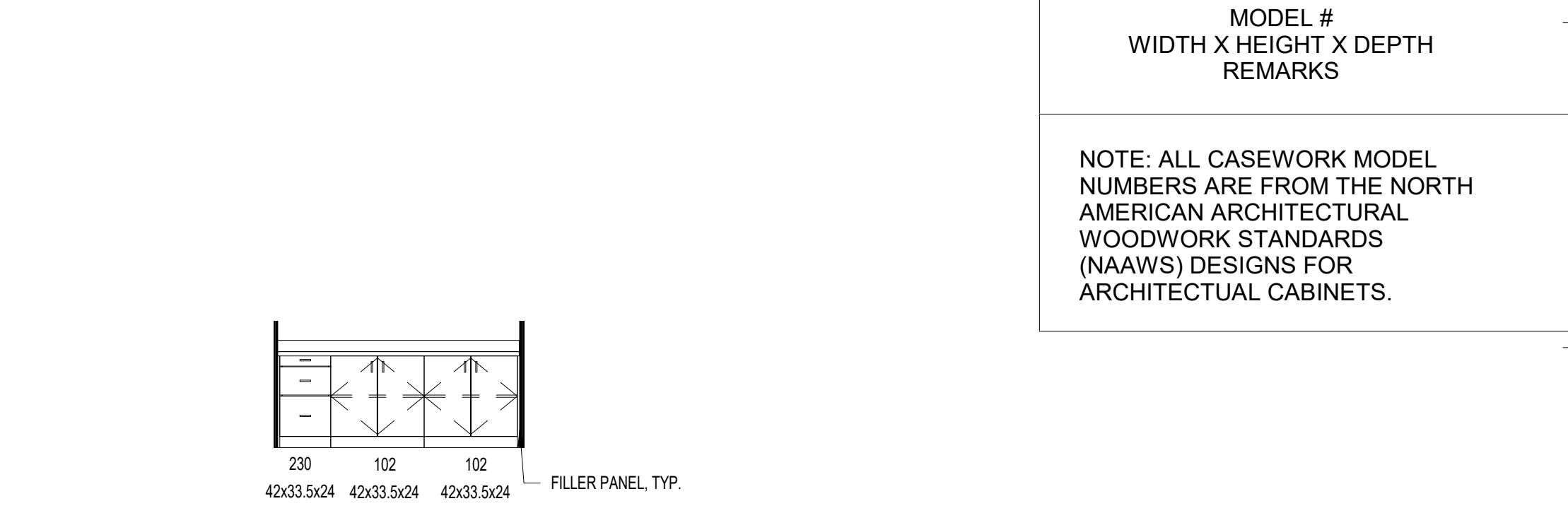
G17 INTERIOR ELEVATION - GENERAL CLASSROOM
1/4" = 1'-0"



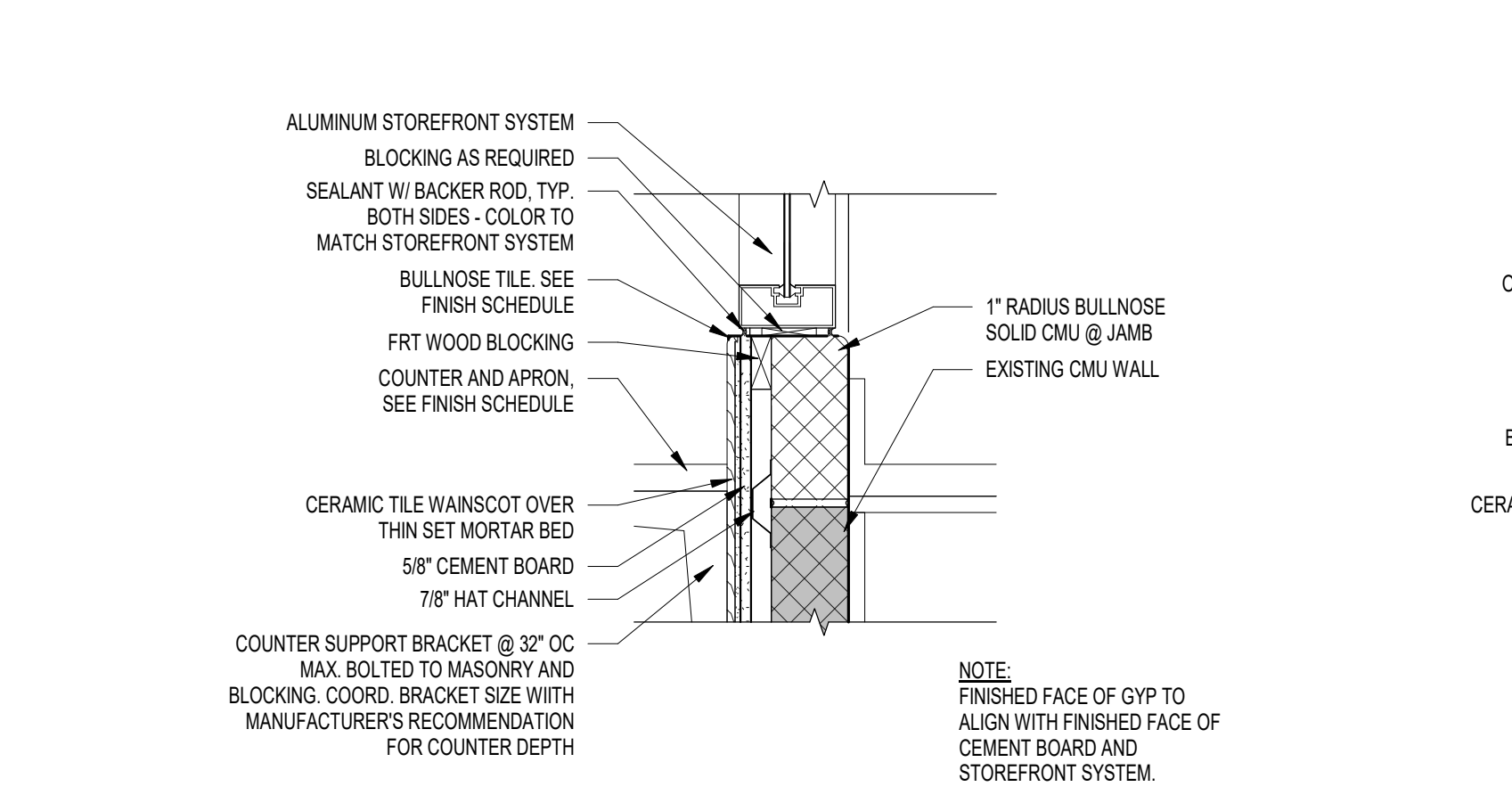
G13 INTERIOR ELEVATION - CLINICAL LAB SOUTH
1/4" = 1'-0"



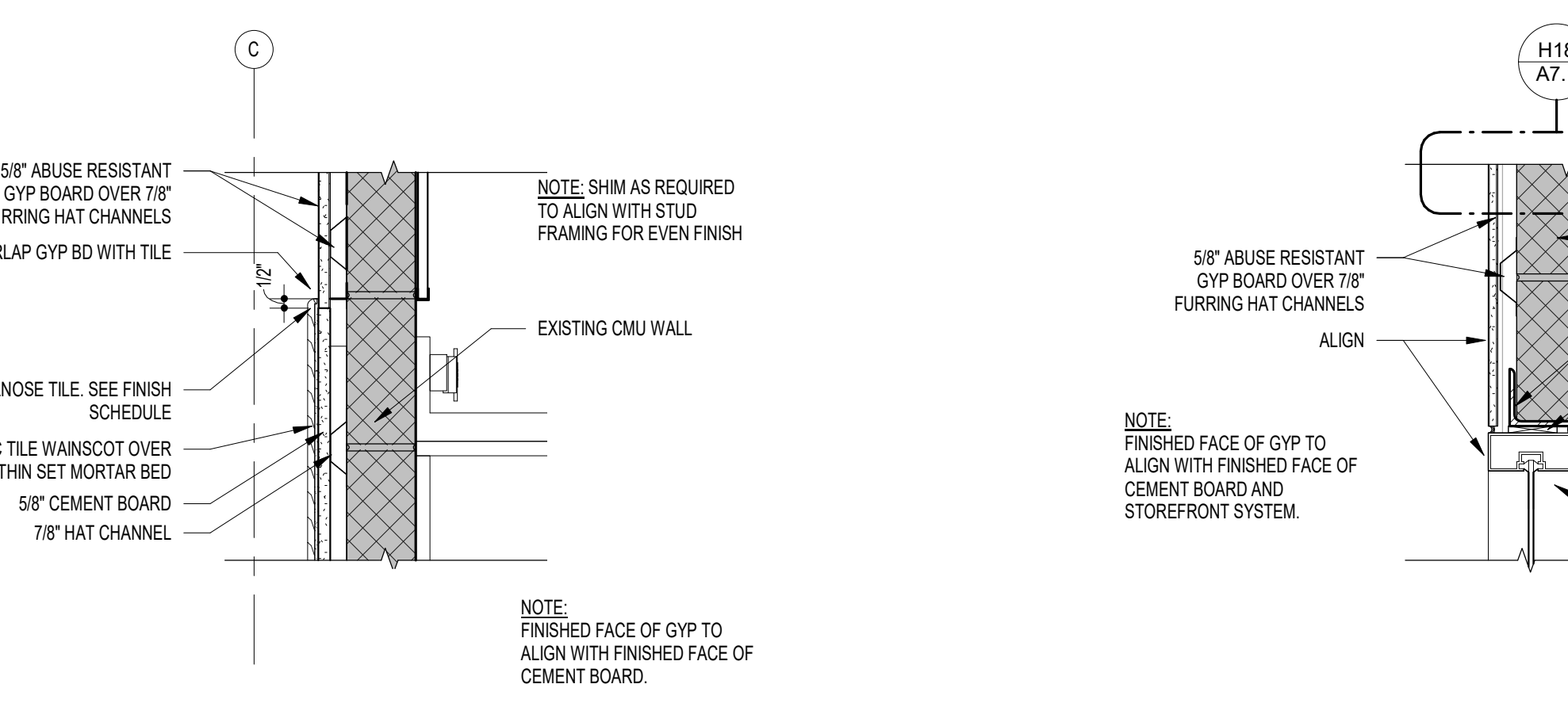
G9 INTERIOR ELEVATION - STAFF CLINIC EAST
1/4" = 1'-0"



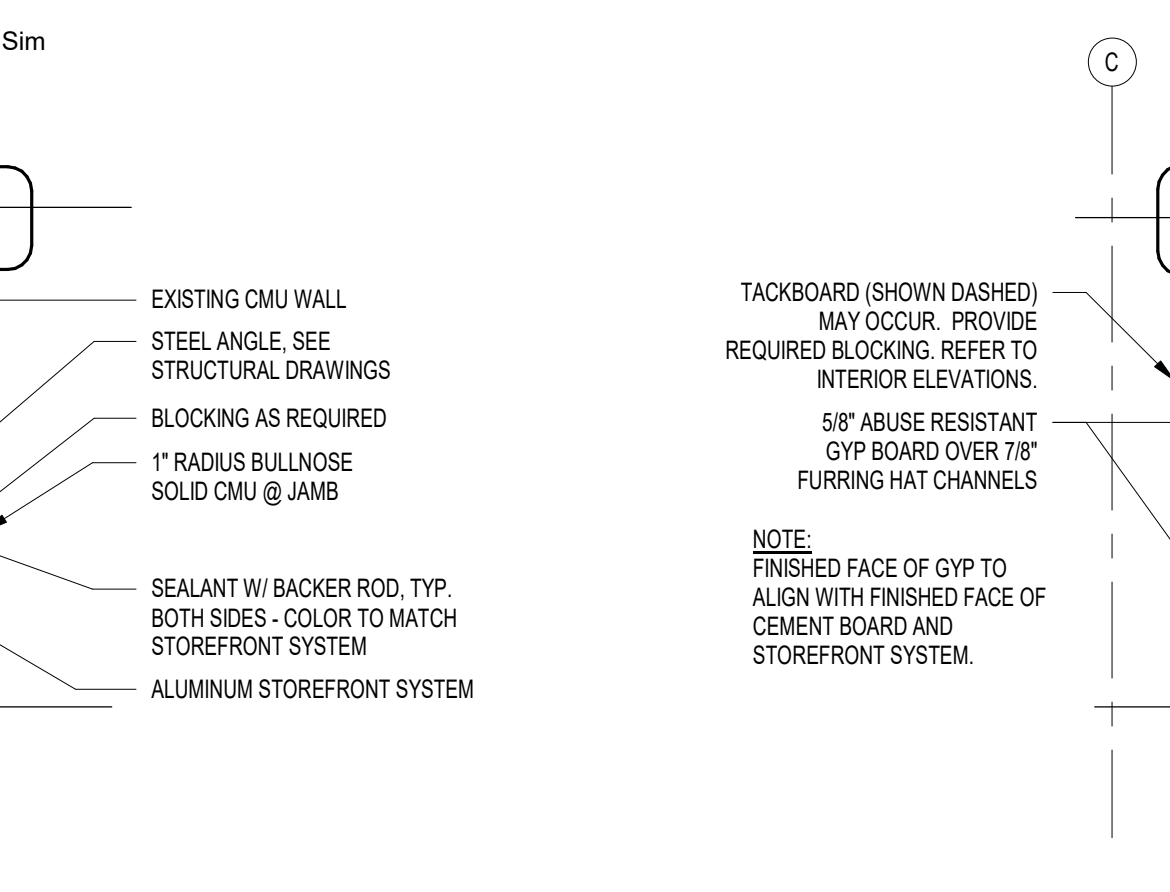
G6 INTERIOR ELEVATION - RECEPTION
1/4" = 1'-0"



D18 DETAIL - CORRIDOR COUNTER/STOREFRONT (SILL)
1 1/2" = 1'-0"



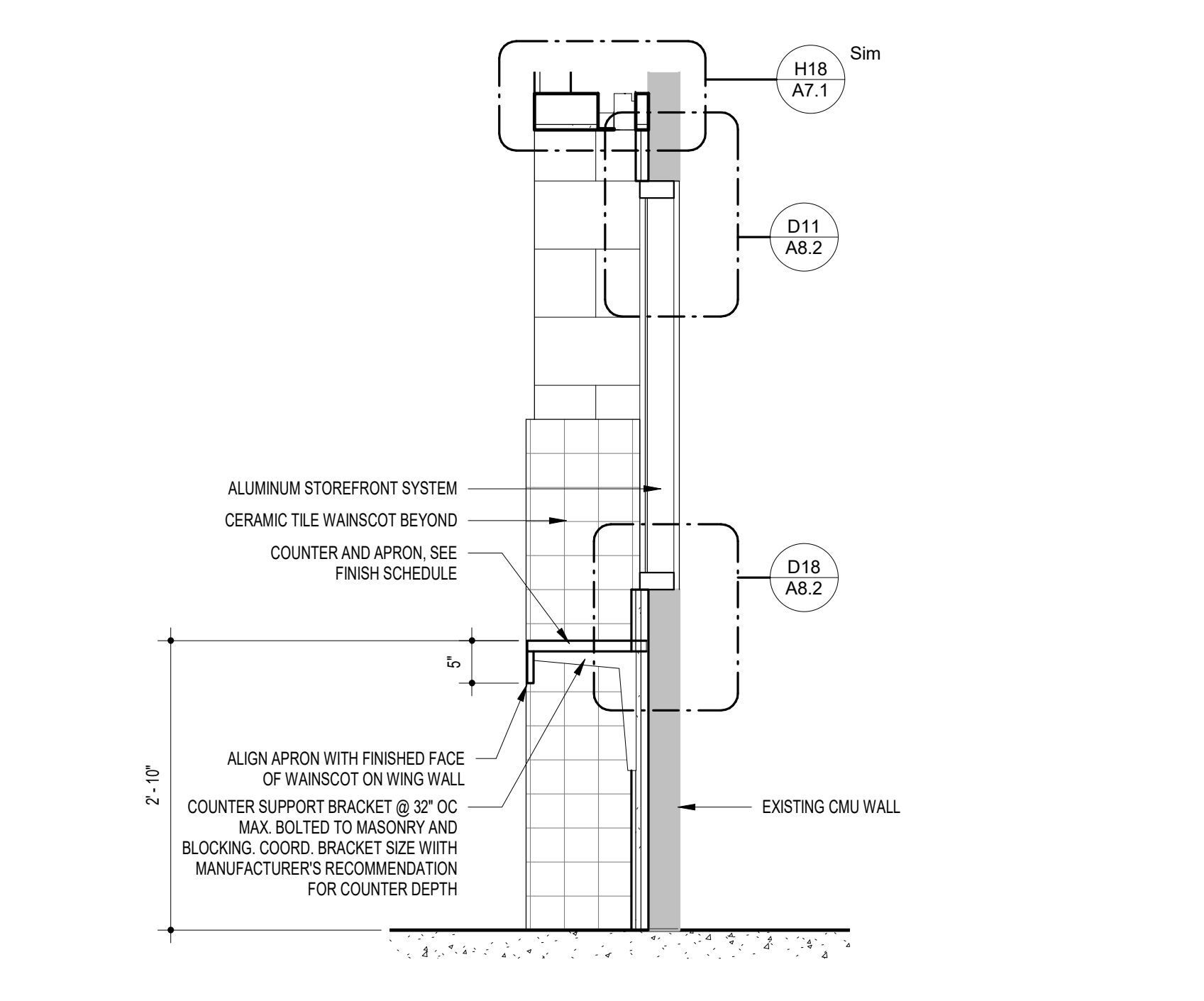
D14 DETAIL - CORRIDOR COUNTER AT CMU
1 1/2" = 1'-0"



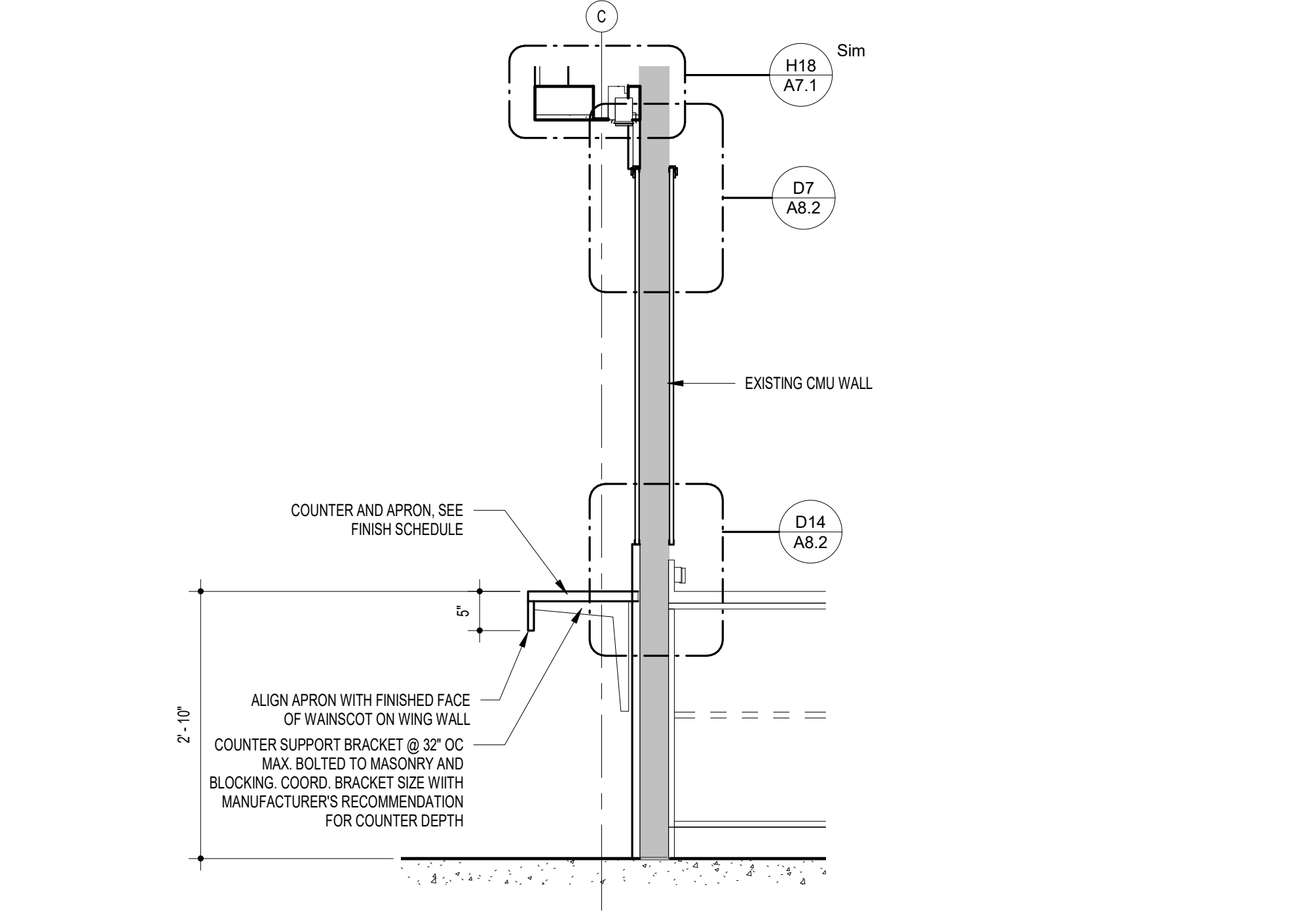
D11 DETAIL - CORRIDOR COUNTER/STOREFRONT (HEAD)
1 1/2" = 1'-0"



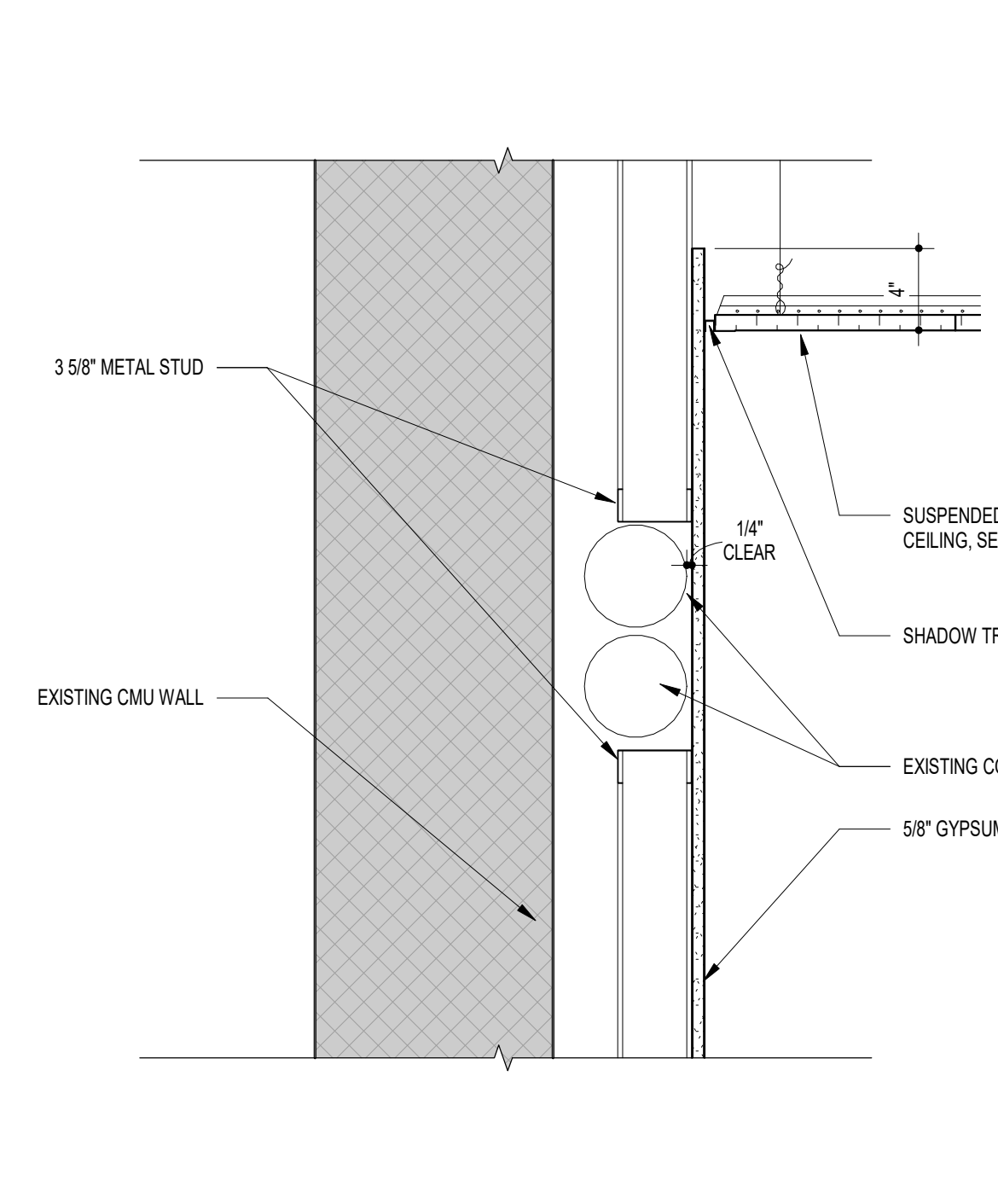
D7 DETAIL - CORRIDOR WALL WITH GYP BD
1 1/2" = 1'-0"



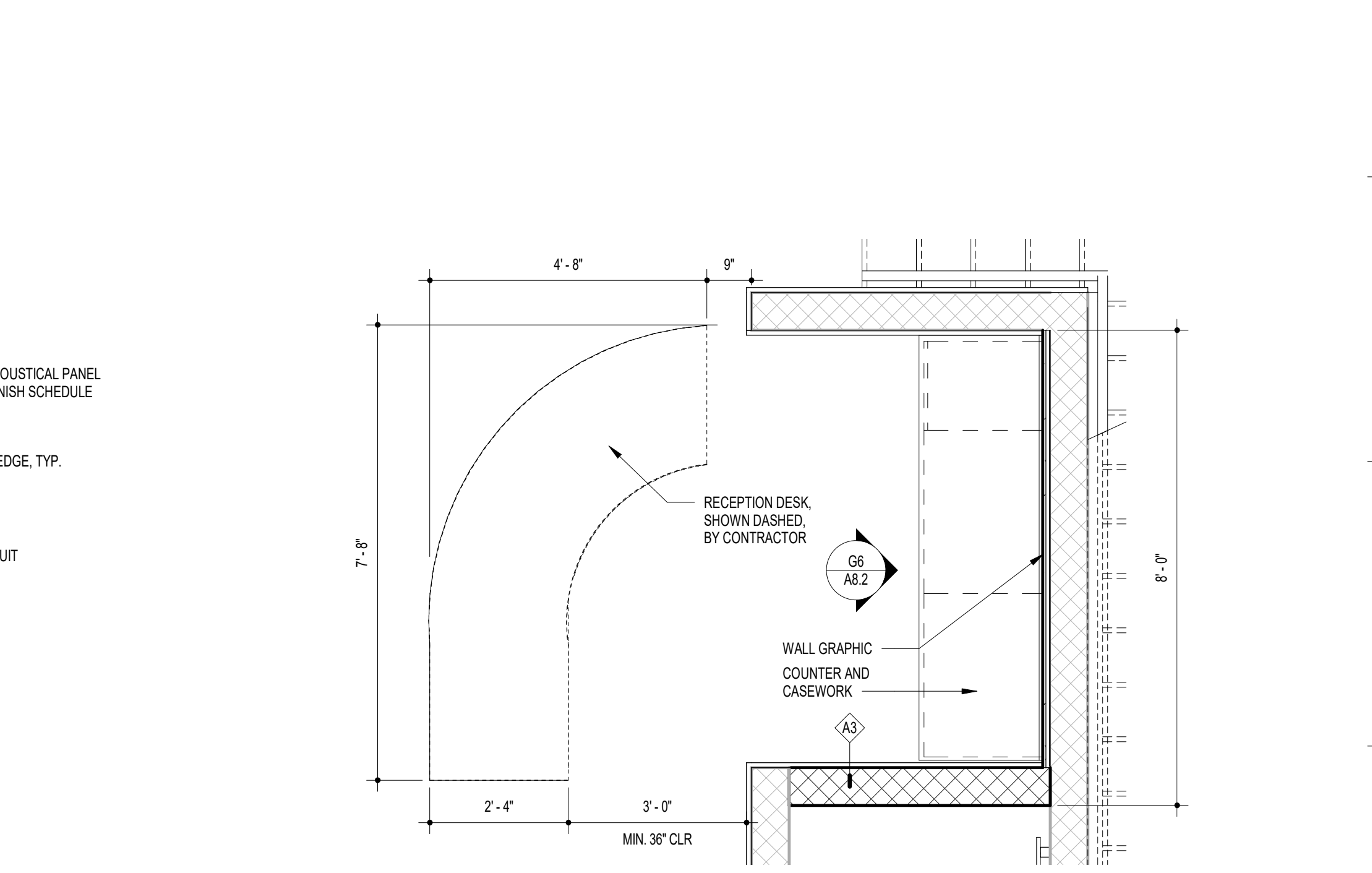
A18 SECTION - TYPICAL CORRIDOR COUNTER (GLASS)
3/4" = 1'-0"



A13 SECTION - TYPICAL CORRIDOR COUNTER (CMU)
3/4" = 1'-0"



A9 DETAIL - WALL @ CONFERENCE ROOM
1 1/2" = 1'-0"



A5 PLAN - RECEPTION DESK
1/2" = 1'-0"

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GP #21710

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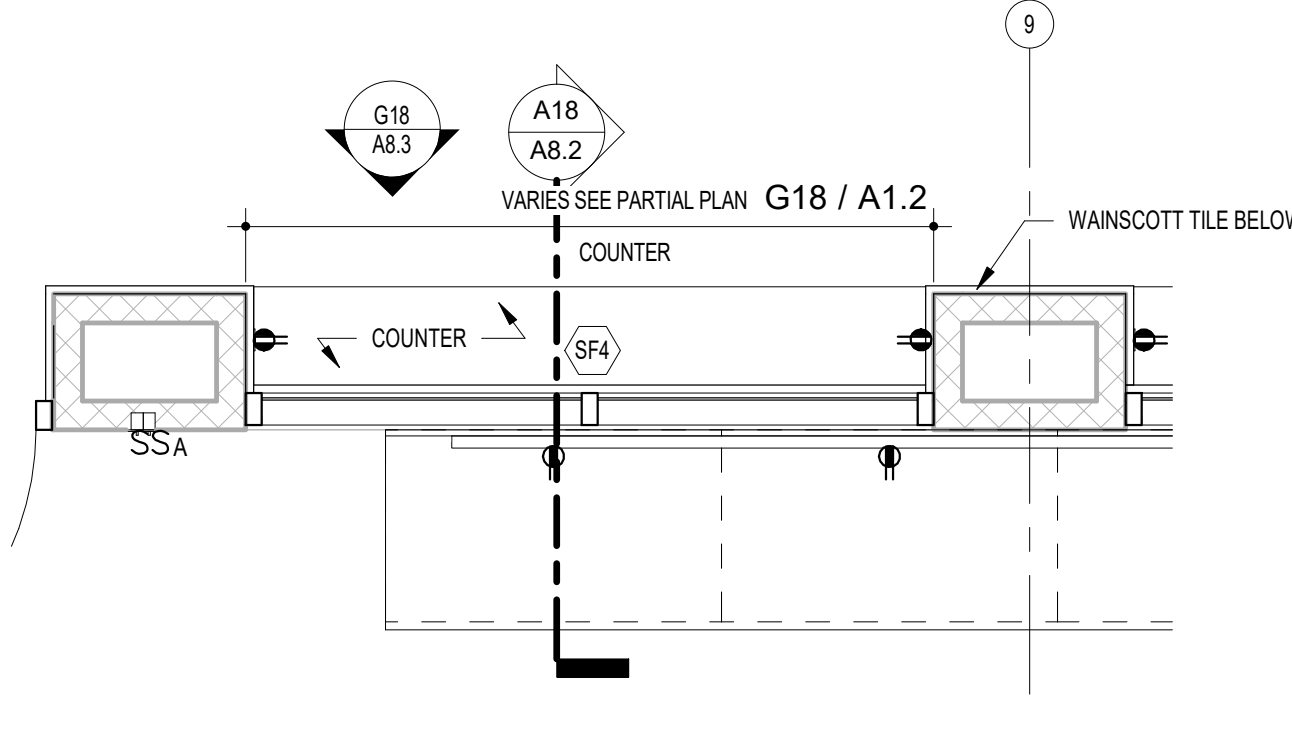
CASEWORK DETAILS & MILLWORK

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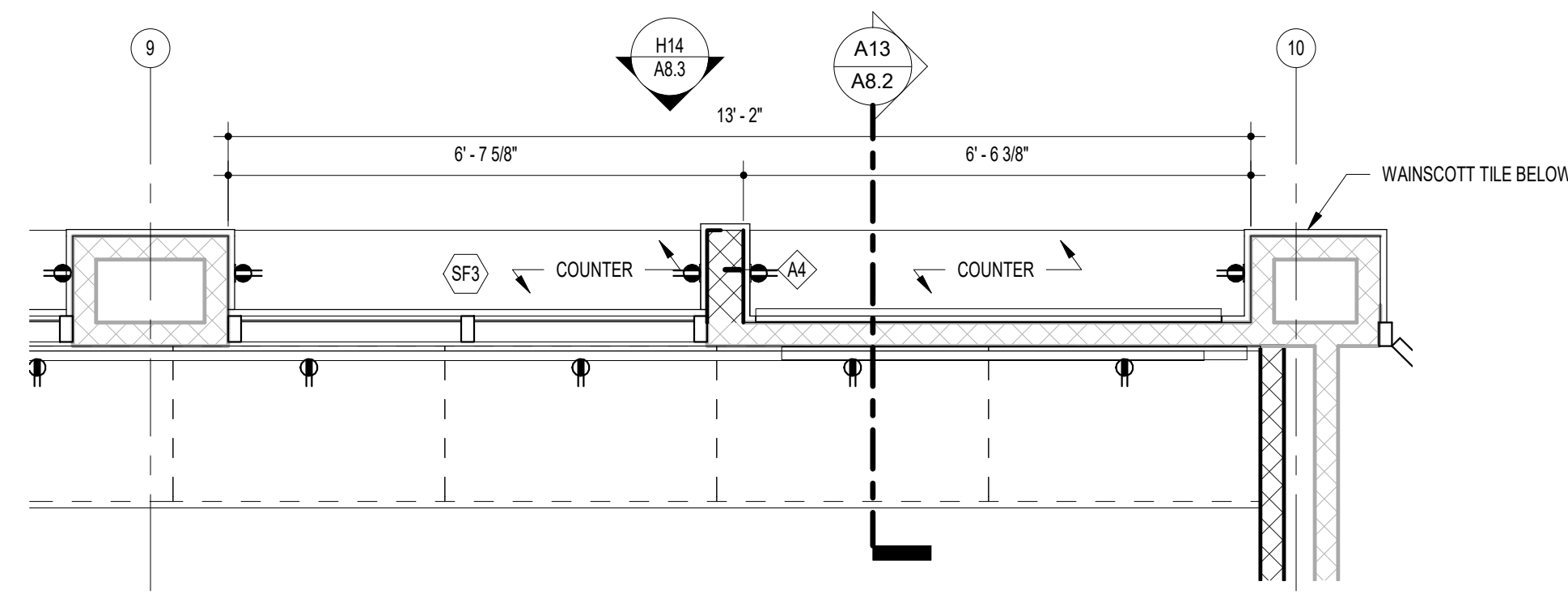
DATE	DESCRIPTION

A8.2
4/8/2022
BID SET

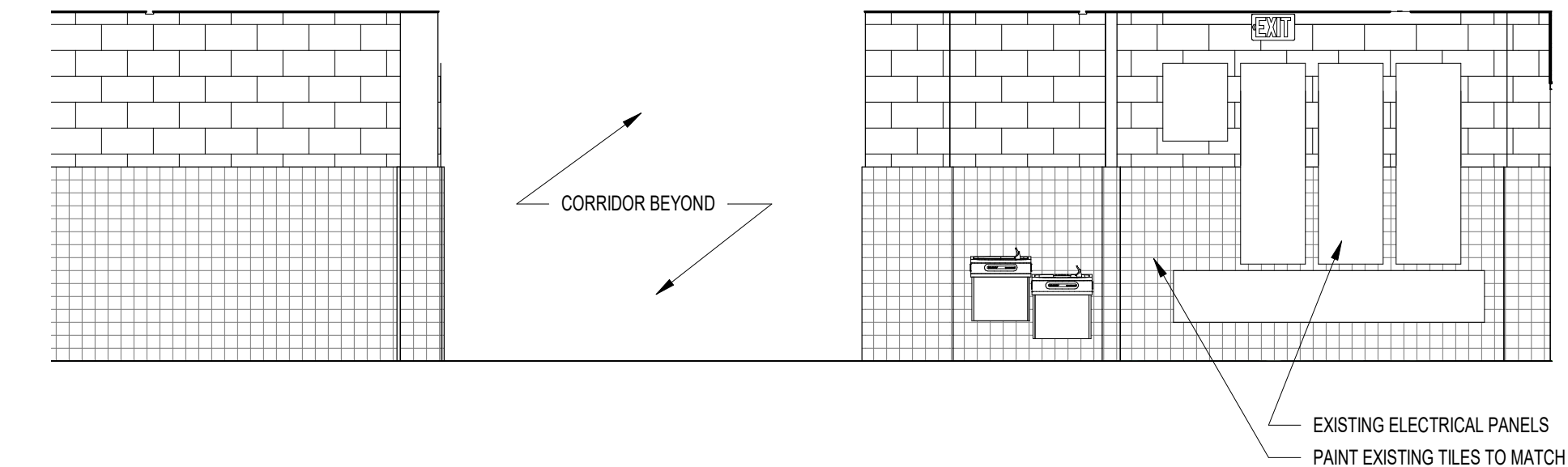
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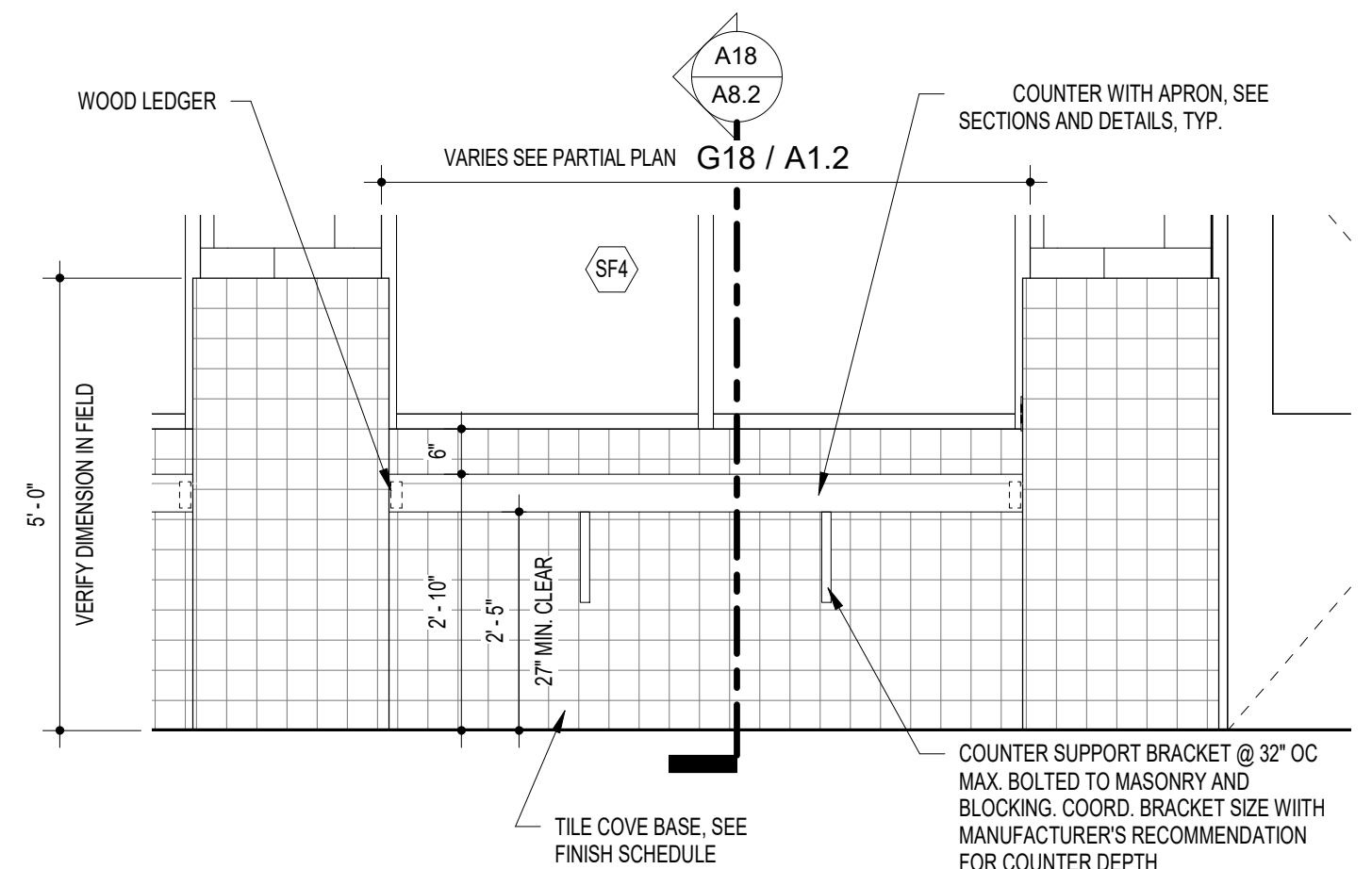
K18 PLAN - TYPICAL CORRIDOR MILLWORK
1/2" = 1'-0"



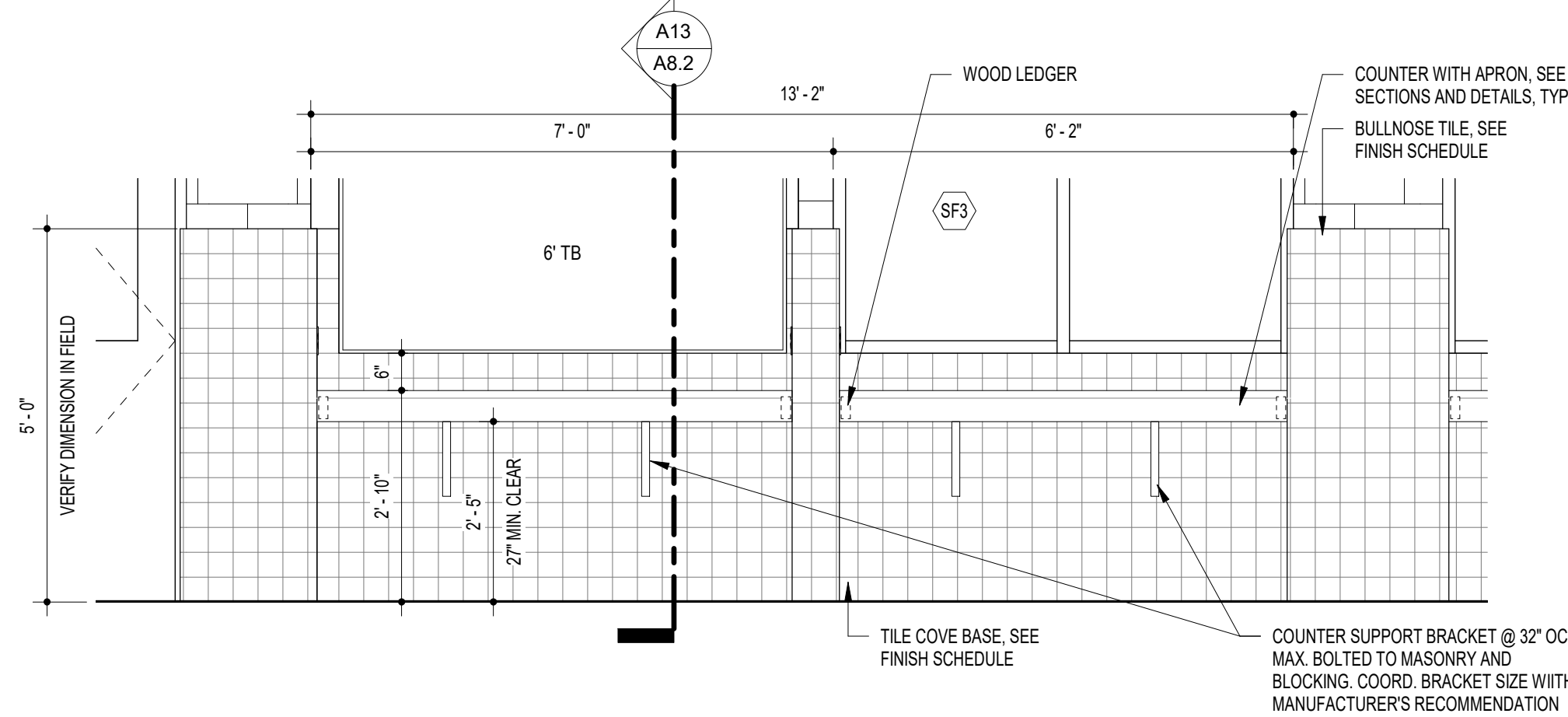
K14 PLAN - CORRIDOR MILLWORK B
1/2" = 1'-0"



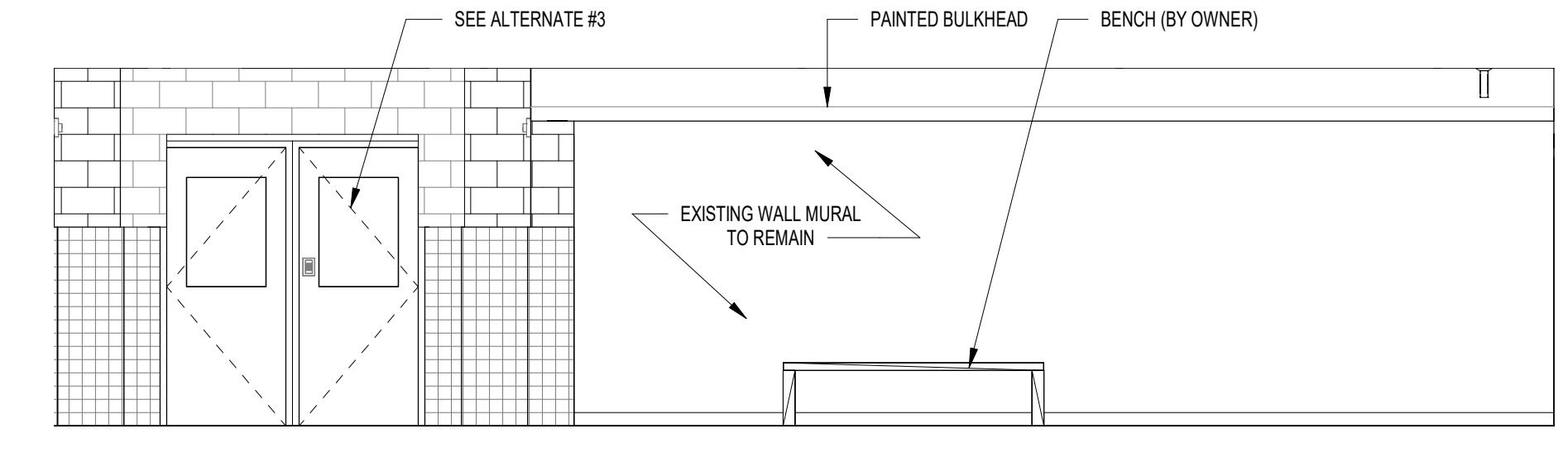
K8 INTERIOR ELEVATION - CORRIDOR AT ELECTRICAL PANELS
1/4" = 1'-0"



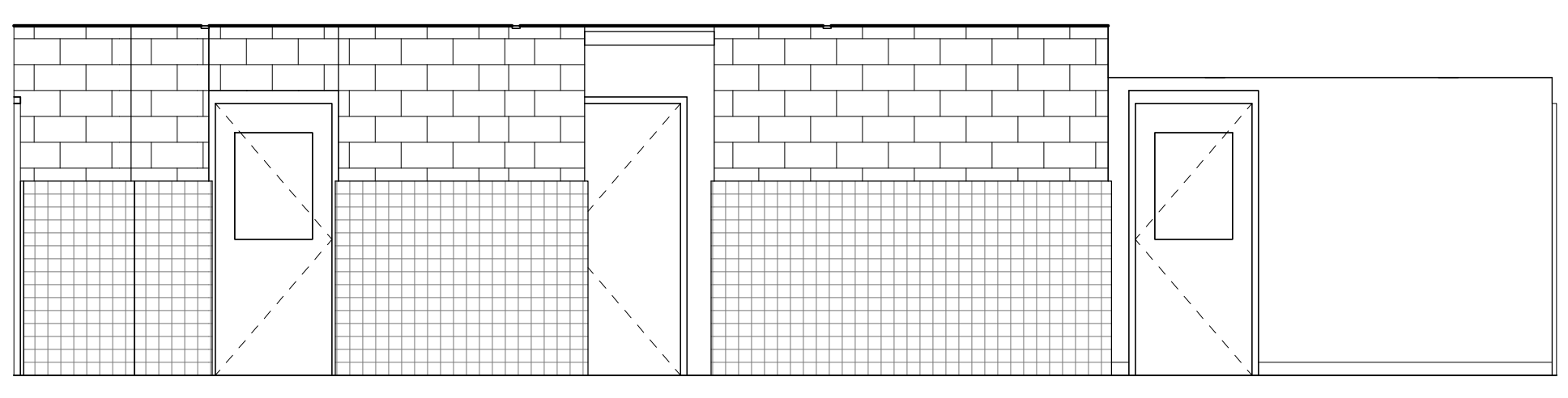
G18 ELEVATION - TYPICAL CORRIDOR MILLWORK
1/2" = 1'-0"



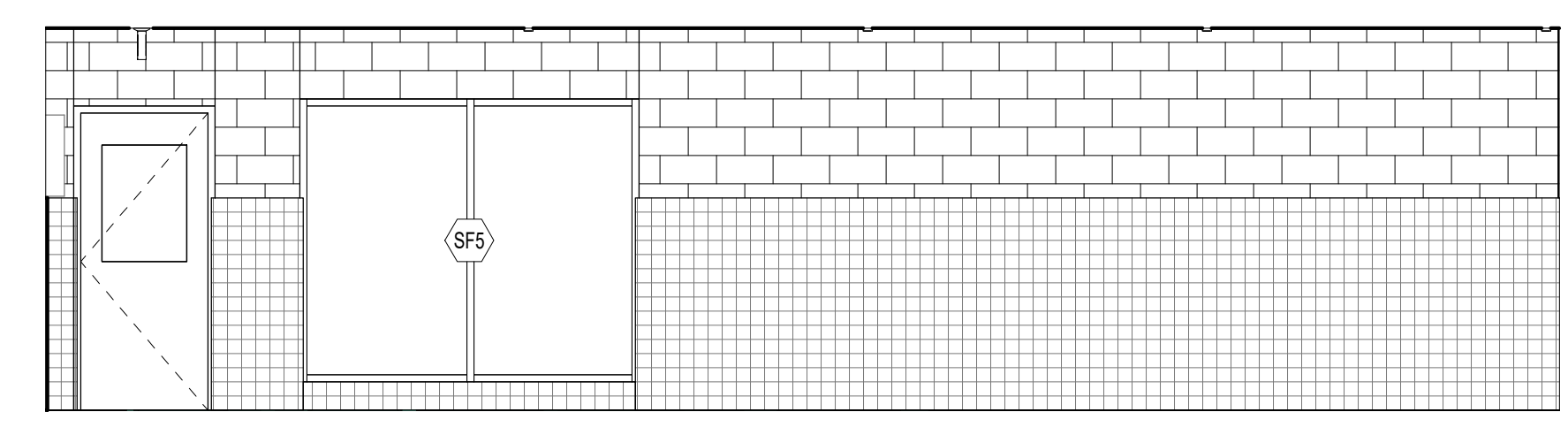
H14 ELEVATION - CORRIDOR MILLWORK B
1/2" = 1'-0"



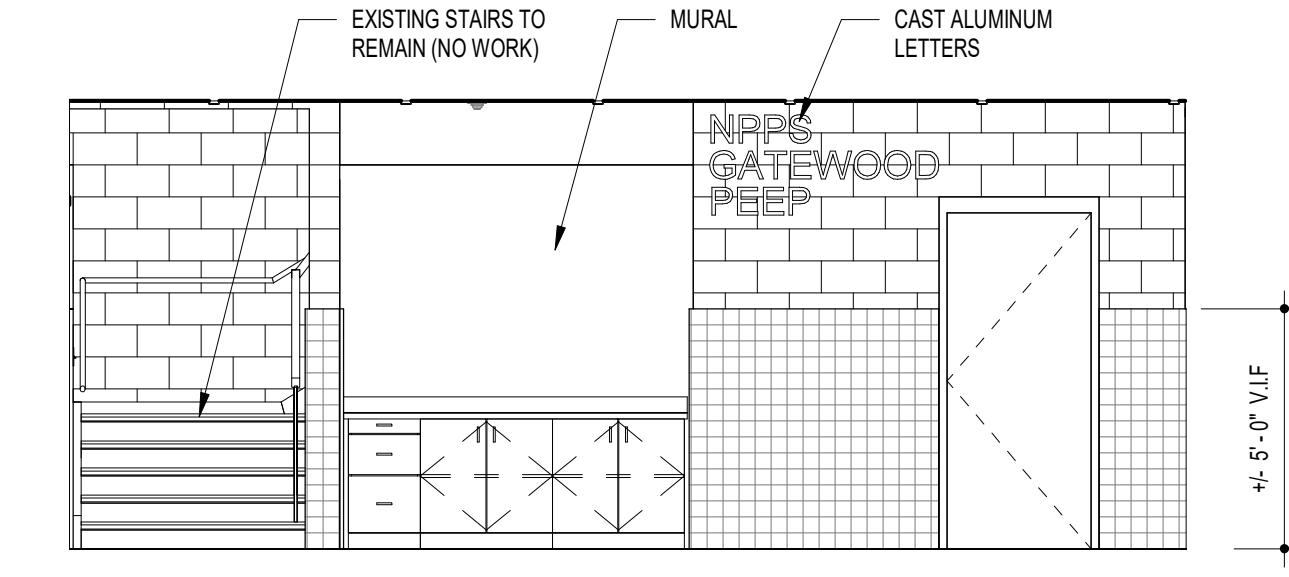
H8 INTERIOR ELEVATION - LAB STORAGE EAST
1/4" = 1'-0"



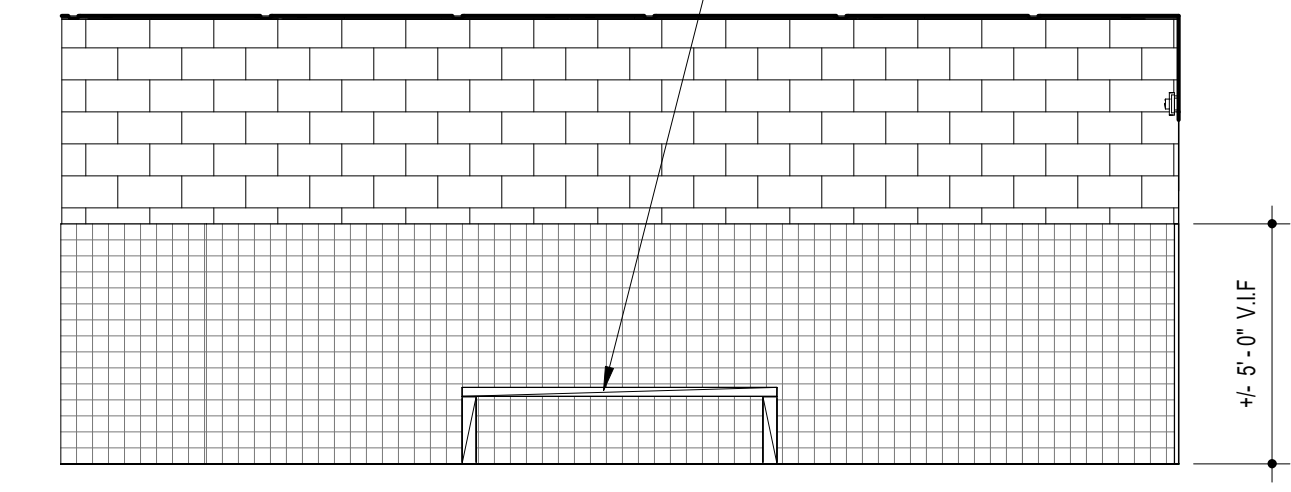
E18 INTERIOR ELEVATION - CORRIDOR SOUTH
1/4" = 1'-0"



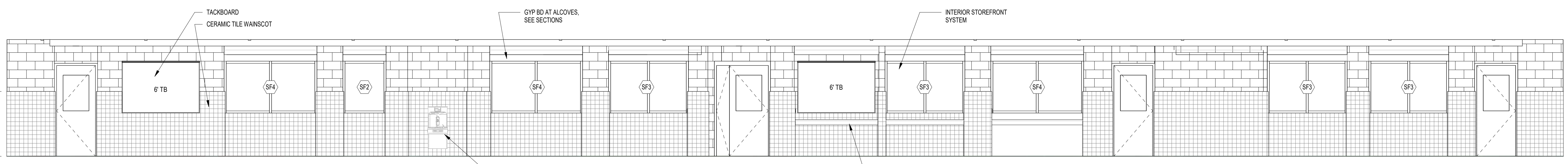
E13 INTERIOR ELEVATION - CORRIDOR NORTH
1/4" = 1'-0"



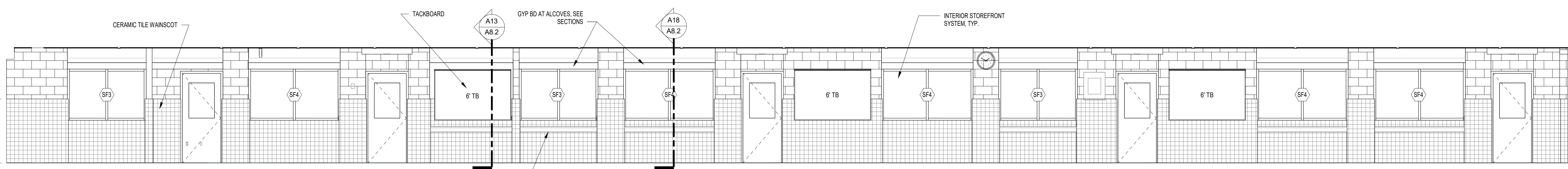
E8 INTERIOR ELEVATION - RECEPTION EAST
1/4" = 1'-0"



E4 INTERIOR ELEVATION - RECEPTION WEST
1/4" = 1'-0"



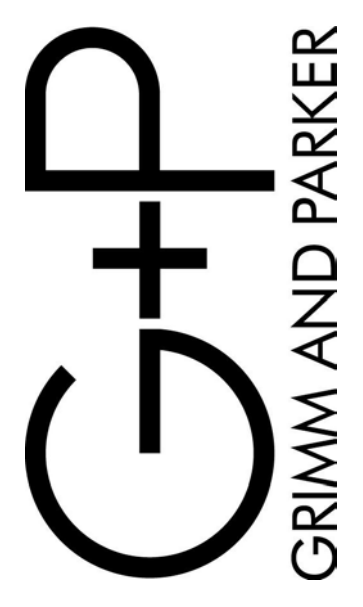
C18 INTERIOR ELEVATION - MAIN CORRIDOR NORTH
1/4" = 1'-0"



A18 INTERIOR ELEVATION - MAIN CORRIDOR SOUTH
1/4" = 1'-0"



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GP #21710

INTERIOR ELEVATIONS & MILLWORK
WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD., NEWPORT NEWS, VA 23601

DATE	DESCRIPTION

A8.3
6/8/2022
BID SET

GENERAL NOTES:

- 1. THE STRUCTURAL DRAWINGS MUST BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, CIVIL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS...
2. THE NEW PORTION OF THIS STRUCTURE HAVE BEEN DESIGNED IN ACCORDANCE WITH THE PROVISIONS OF THE VIRGINIA CONSTRUCTION CODE, 2018 EDITION.
3. THE WORK OUTLINED IN THE BUILDING CODE IS SUBJECT TO SPECIAL INSPECTIONS AS DESCRIBED IN THE TECHNICAL SPECIFICATIONS.
4. THE CONTRACTOR MUST PROVIDE TEMPORARY SHORING AND BRACING REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL PERMANENT SUPPORTS AND LATERAL BRACING ARE IN PLACE.
5. PORTIONS OF THE STRUCTURE NOT ALTERED AND NOT AFFECTED BY THE ALTERATION HAVE NOT BEEN REVIEWED FOR COMPLIANCE WITH THE CODE REQUIREMENTS FOR A NEW STRUCTURE.
6. BEFORE PROCEEDING WITH WORK WITHIN THE EXISTING STRUCTURE, THE CONTRACTOR MUST BECOME FAMILIAR WITH THE EXISTING STRUCTURAL CONDITIONS...
7. THE CONTRACTOR MUST FIELD VERIFY THE DIMENSIONS, ELEVATIONS, AND OTHER REQUIREMENTS NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTIONS OF THE STRUCTURE TO THE EXISTING.
8. DISCREPANCIES BETWEEN DRAWINGS, BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, OR WITHIN THE SPECIFICATIONS, MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER DURING THE BIDDING PROCESS...
9. PRIOR TO ISSUING THE STRUCTURAL DRAWINGS FOR ANY PURPOSE, AUTHORIZATION MUST BE OBTAINED FROM THE STRUCTURAL ENGINEER OF RECORD...
10. DESIGN CRITERIA:
CLASSIFICATION OF BUILDING RISK CATEGORY III
SUPER IMPOSED ROOF DEAD LOADS - UNIFORM: 1 1/2" INSULATION AND ROOF MEMBRANE 3 PSF
LIVE LOADS - UNIFORM: SLAB ON GRADE 100 PSF, ROOF 20 PSF, CLASSROOMS 40 PSF, PARTITION ALLOWANCE 15 PSF
LIVE LOAD REDUCTION OF THE UNIFORMLY DISTRIBUTED FLOOR LIVE LOADS HAS BEEN UTILIZED.
LIVE LOADS - CONCENTRATED: FLOORS 1,000#, ROOFS 300#
UNLESS OTHERWISE NOTED, CONCENTRATED LOADS ARE APPLIED UNIFORMLY OVER 2'-6" x 2'-6" AREA.
SNOW LOADS: GROUND SNOW LOAD 15 PSF, FLAT ROOF LOAD 16.5 PSF, IMPORTANCE FACTOR (Is) 1.1, THERMAL FACTOR (Ct) 1.0, EXPOSURE FACTOR (Ce) 1.0
WIND LOADS: ULTIMATE DESIGN WIND SPEED (VULT) 126 MPH, EXPOSURE CATEGORY B, INTERNAL PRESSURE COEFFICIENT +/-0.18, COMPONENT AND CLADDING PRESSURES: WALLS, ZONE 5 (10 SF) 33 PSF, ROOF, ZONE 3 (10 SF) 77 PSF
SEISMIC LOADS: SITE CLASSIFICATION D ASSUMED, SEISMIC DESIGN CATEGORY A, IMPORTANCE FACTOR (Ie) 1.25, SPECTRAL RESPONSE ACCELERATIONS: Ss 0.097, S1 0.041, Sms 0.155, Sm1 0.099, Sps 0.103, Sm1 0.066

FOUNDATION NOTES:

- 1. FOUNDATIONS HAVE BEEN DESIGNED FOR AN ASSUMED NET ALLOWABLE SOIL BEARING PRESSURE OF 2,000 PSF.
2. PRIOR TO PLACING FOUNDATION CONCRETE, ALL FOUNDATION EXCAVATIONS MUST BE INSPECTED BY THE OWNER'S SPECIAL INSPECTOR TO EXPLORE THE EXTENT OF LOOSE, SOFT, EXPANSIVE, OR OTHERWISE UNSATISFACTORY SOIL MATERIAL AND TO VERIFY DESIGN BEARING PRESSURE...
3. CONTROL GROUNDWATER AND SURFACE RUNOFF THROUGHOUT THE CONSTRUCTION PROCESS. INUNDATION AND LONG TERM EXPOSURE OF BEARING SURFACES WHICH RESULT IN DETERIORATION OF BEARING MUST BE PREVENTED.

CAST-IN-PLACE CONCRETE NOTES:

- 1. CONCRETE MUST BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301 AND 318.
2. CONCRETE MUST BE NORMAL WEIGHT AND MUST OBTAIN 28 DAY COMPRESSIVE STRENGTHS AS FOLLOWS: A. SLAB-ON-GRADE 3,500 PSI, B. SLABS-ON-DECKS 4,000 PSI, C. CONCRETE NOT OTHERWISE NOTED 4,000 PSI
3. REINFORCING MATERIALS MUST BE AS FOLLOWS: A. REINFORCING BARS - ASTM A615, GRADE 60, DEFORMED. B. WELDED WIRE REINFORCEMENT - ASTM A1064, WELDED STEEL WIRE REINFORCEMENT, PROVIDE SHEET TYPE, ROLL TYPE IS NOT ACCEPTABLE.
4. ALL REINFORCING STEEL AND EMBEDDED ITEMS SUCH AS ANCHOR RODS AND WELD PLATES MUST BE ACCURATELY PLACED AND ADEQUATELY TIED AND SUPPORTED BEFORE CONCRETE IS PLACED TO PREVENT DISPLACEMENT BEYOND PERMITTED TOLERANCES.
5. CONCRETE COVER TO REINFORCING STEEL MUST CONFORM TO THE MINIMUM COVER RECOMMENDATIONS IN ACI 318, UNLESS THE DRAWINGS SHOW GREATER COVER REQUIREMENTS.
6. LAP CONTINUOUS REINFORCING STEEL 57 X BAR DIAMETER, TYPICAL UNLESS OTHERWISE NOTED.

CONCRETE MASONRY NOTES:

- 1. CONCRETE MASONRY MATERIALS AND CONSTRUCTION MUST CONFORM TO THE AMERICAN CONCRETE INSTITUTE (ACI) 530.
2. CONCRETE MASONRY UNITS MUST CONFORM TO ASTM C90 AND MUST BE MADE WITH LIGHTWEIGHT AGGREGATE. MINIMUM NET AREA COMPRESSIVE STRENGTH OF MASONRY UNITS MUST BE 2,000 PSI AT 28 DAYS.
3. COMPRESSIVE STRENGTH OF MASONRY MUST BE DETERMINED BY THE UNIT STRENGTH METHOD AS SET FORTH IN ACI 530.1. THE NET AREA COMPRESSIVE STRENGTH OF MASONRY, fm, MUST BE 2,000 PSI AT 28 DAYS.
4. MORTAR MUST BE TYPE 'M' OR 'S' AND MUST COMPLY WITH ASTM C270, PROPORTIONS OR PROPERTIES SPECIFICATION.
5. GROUT MUST COMPLY WITH EITHER THE PROPORTIONS OR PROPERTIES SPECIFICATION OF ASTM C476 AND AS FOLLOWS: A. PROPORTIONS SPECIFICATION: THIS MIX CANNOT CONTAIN ADMIXTURES... B. PROPERTIES SPECIFICATION: THIS MIX MUST BE PROPORTIONED TO OBTAIN A DOCUMENTED 28 DAY COMPRESSIVE STRENGTH OF 2,000 PSI...
6. REINFORCING STEEL MUST COMPLY WITH ASTM A615, GRADE 60. SHOP FABRICATE REINFORCING BARS WHICH ARE SHOWN TO BE BENT OR HOOKED.
7. ALL BOND BEAMS, REINFORCED CELLS AND CELLS WITH EXPANSION BOLTS, EMBED PLATES OR OTHER ANCHORS AND ALL CELLS BELOW GRADE MUST BE GROUTED SOLID. GROUT PROCEDURE MUST COMPLY WITH ACI 530.1.
8. ALL CMU WALLS MUST BE REINFORCED CONTINUOUSLY FROM FOUNDATION TO TOP OF WALL...
9. LAP ALL REINFORCING AS FOLLOWS UNLESS OTHERWISE NOTED:

Table with 2 columns: BAR SIZE, REINFORCING CENTERED. Rows include #4 (12"), #5 (20"), #6 (37").

- 10. PROVIDE ONE VERTICAL BAR EACH SIDE OF ALL OPENINGS AND CONTROL JOINTS, AND AT CORNERS OF ALL MASONRY WALLS.
11. PROVIDE REINFORCING STEEL DOWELS OF THE SAME SIZE AND SPACING AS VERTICAL REINFORCING FROM THE SUPPORTING STRUCTURE. DOWELS MUST HAVE STANDARD ACI HOOKS.
12. PROVIDE STANDARD 9 GAGE LADDER TYPE HORIZONTAL JOINT REINFORCING IN CMU WALLS AT 16 INCHES ON CENTER AND IN TWO JOINTS IMMEDIATELY ABOVE AND BELOW ALL OPENINGS...

STRUCTURAL STEEL NOTES:

- 1. STRUCTURAL STEEL MUST BE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) 360.
2. STRUCTURAL STEEL MUST COMPLY WITH THE FOLLOWING SPECIFICATIONS: A. STRUCTURAL STEEL SHAPES, PLATES AND BARS UNLESS OTHERWISE NOTED - ASTM A36, Fy = 36 KSI, B. STRUCTURAL STEEL W-SHAPES - ASTM A992, Fy = 50 KSI
3. PROVIDE ANGLE FRAMING AROUND OPENINGS LARGER THAN 6 INCHES IN ANY DIMENSION (INCLUDING ROOF DRAINS) TO SUPPORT STEEL DECK, TYPICAL UNLESS OTHERWISE NOTED OR DETAILED AS FOLLOWS:
JOIST/BREAM SPACING TO 6'-0", ANGLE SIZE L3x3x1/4
4. WELDING MUST BE IN ACCORDANCE WITH AWS D1.1, "STRUCTURAL WELDING CODE - STEEL." WELD ELECTRODES MUST BE E70XX LOW HYDROGEN...
5. STRUCTURAL STEEL SCHEDULED TO RECEIVE SPRAYED-ON FIREPROOFING MUST NOT BE PRIME PAINTED.
6. HOT-DIP GALVANIZE AFTER FABRICATION THE FOLLOWING: A. ANGLES AND PLATES SUPPORTING MASONRY IN EXTERIOR WALLS, B. LINTELS AND LINTEL ASSEMBLIES SUPPORTING MASONRY IN EXTERIOR WALLS, C. ALL STEEL EXPOSED TO WEATHER IN THE FINAL CONSTRUCTION, D. ITEMS IDENTIFIED AS GALVANIZED ON ARCHITECTURAL OR STRUCTURAL DRAWINGS.

STEEL DECK NOTES:

- 1. STEEL DECK MUST BE IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE (AISI), "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS" AND THE STEEL DECK INSTITUTE (SDI), "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS, AND ROOF DECKS."
2. STEEL DECK INSTALLATION MUST COMPLY WITH THE FOLLOWING: A. ROOF DECK: 1 1/2" x 18 GAGE TYPE 'B' GALVANIZED...
3. STEEL DECK MUST BE INSTALLED PERPENDICULAR TO SUPPORTS AND MUST HAVE A MINIMUM OF THREE CONTINUOUS SPANS...
4. WELDING MUST BE IN ACCORDANCE WITH AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL".
5. PERMANENT SLOPED LOADS MUST NOT BE SUPPORTED BY STEEL ROOF DECK.
6. STEEL DECK SCHEDULED TO RECEIVE SPRAYED-ON FIREPROOFING MUST BE GALVANIZED.
7. SHEAR CONNECTORS FOR COMPOSITE FLOOR SYSTEMS MUST BE 3/4 INCH DIAMETER HEADED STUDS CONFORMING WITH ASTM A108...
8. CONDUIT AND PIPING MUST NOT BE PLACED IN ELEVATED SLABS.

COLD-FORMED METAL FRAMING NOTES:

- 1. COLD-FORMED METAL FRAMING MUST BE IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE (AISI) "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS".
2. SUBMIT SHOP DRAWINGS SIGNED AND SEALED BY A VIRGINIA LICENSED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN OF COLD-FORMED METAL FRAMING...
3. WELDING MUST BE IN ACCORDANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL". TOUCH UP ALL WELDS WITH SPECIFIED COATING SYSTEMS.
4. COLD-FORMED METAL FRAMING MEMBERS MUST CONFORM TO ASTM C955, AND BE FORMED OF CORROSION-RESISTANT STEEL...
5. MEMBER SECTION PROPERTIES MUST CONFORM TO PART 'I' OF THE "COLD-FORMED STEEL DESIGN MANUAL."
6. COLD-FORMED METAL FRAMING MEMBERS, HEADERS AND CONNECTIONS SHOWN ON STRUCTURAL AND ARCHITECTURAL DRAWINGS ARE SCHEMATIC ONLY...
7. PROVIDE BRIDGING LINES AT 4'-0" MAXIMUM ON CENTER IN ALL WALLS UNLESS OTHERWISE INDICATED.

POST-INSTALLED ANCHOR NOTES:

- 1. ALL POST INSTALLED ANCHORS INDICATED ON THE DRAWINGS ARE BY HILTI, INC. AND MUST BE CONSIDERED THE BASIS OF DESIGN PRODUCT...
A. ANCHORAGE TO CONCRETE
1. ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE USE: a. HILTI HIT-HY 200 SAFE SET SYSTEM... b. HILTI KWIK HUS EZ SCREW ANCHORS...
2. MECHANICAL ANCHORS USE: a. HILTI KWIK HUS EZ SCREW ANCHORS...
B. ANCHORAGE TO MASONRY
1. ADHESIVE ANCHORS USE: a. HILTI HIT-HY 270 MASONRY ADHESIVE ANCHORING SYSTEM... b. STEEL ANCHOR ELEMENT MUST BE HILTI HAS-E CONTINUOUSLY THREADED ROD...
2. MECHANICAL ANCHORS USE: a. HILTI KWIK HUS EZ SCREW ANCHORS...
C. ANCHORAGE TO SOLID GROUTED MASONRY
1. ADHESIVE ANCHORS USE: a. HILTI HIT-HY 270 MASONRY ADHESIVE ANCHORING SYSTEM... b. STEEL ANCHOR ELEMENT MUST BE HILTI HAS-E CONTINUOUSLY THREADED ROD...
D. ANCHORAGE TO HOLLOW / MULTI-WYTHE MASONRY
1. ADHESIVE ANCHORS USE: a. HILTI HIT-HY 270 MASONRY ADHESIVE ANCHORING SYSTEM... b. STEEL ANCHOR ELEMENT MUST BE HILTI HAS-E CONTINUOUSLY THREADED ROD...
2. ALTERNATE POST INSTALLED ANCHOR PRODUCTS MAY BE SUBMITTED TO THE ENGINEER FOR REVIEW...
3. INSTALL ANCHORS PER THE MANUFACTURER INSTRUCTIONS...
4. THE CONTRACTOR MUST ARRANGE FOR AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PRESENT ON-SITE INSTALLATION TRAINING...
5. ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE...

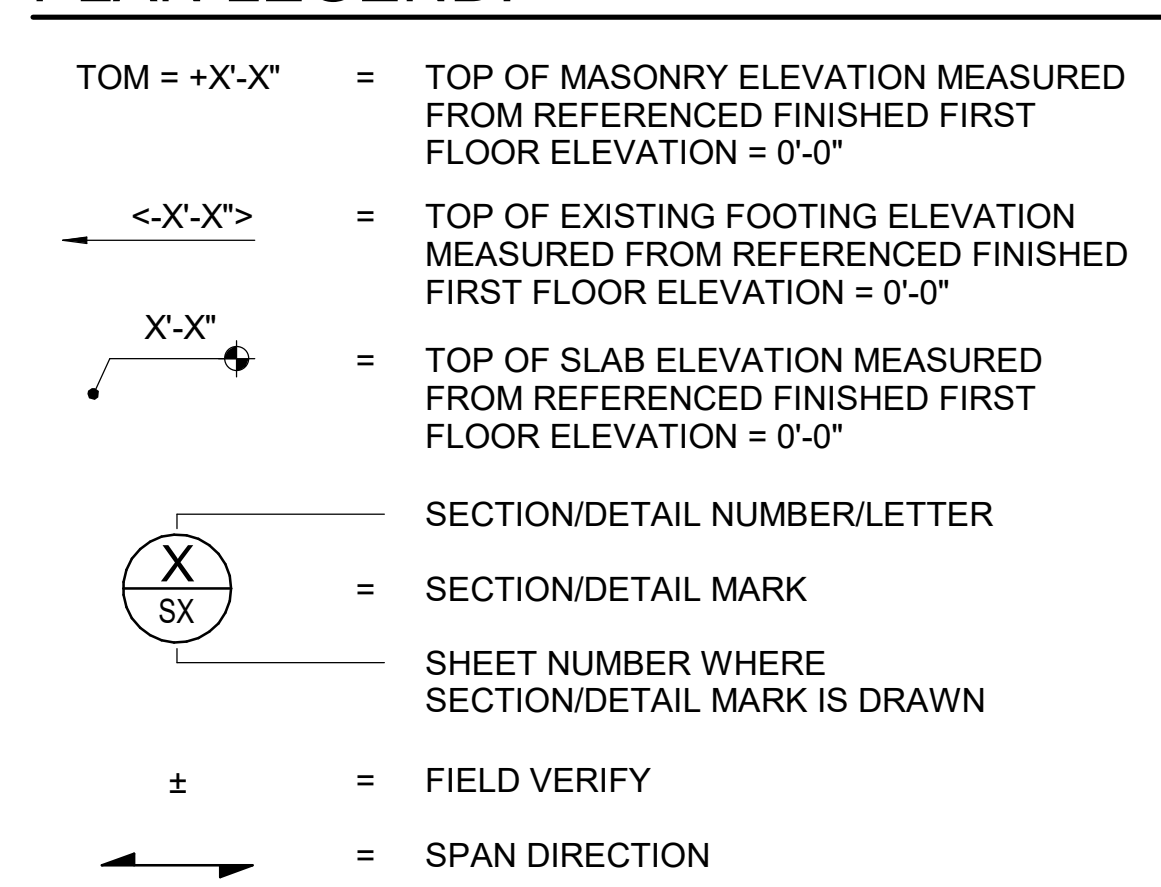
POST-INSTALLED ANCHOR NOTES (CONT):

- 6. EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS...
7. ALL POST INSTALLED ANCHORS REQUIRE CONTINUOUS SPECIAL INSPECTIONS TO VERIFY INSTALLATION HAS BEEN PERFORMED IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS...

ABBREVIATIONS:

Table listing abbreviations and their meanings: AFF ABOVE FINISHED FLOOR, ARCH ARCHITECT, BAR DIAMETER, BRACED FRAME, BUILDING EXPANSION JOINT, BUILDING BEAM, BOTTOM OF DECK, BOTTOM CHAIR, BETWEEN, CENTER TO CENTER, COLD-FORMED METAL FRAMING, CONTROL JOINT, CENTERLINE, CONCRETE MASONRY UNIT, COLUMN, CONCRETE, CONNECTION, CONSTRUCTION, CONTINUOUS, CONCRETE, CENTER, CENTERED, CURTAIN WALL, DOUBLE, DOWELED CONSTRUCTION JOINT, DIAMETER, DOUBLE JOIST, DRAWINGS, EACH, EACH FACE, EXPANSION JOINT, ELEVATION, ELEVATOR EMBEDMENT, EDGE OF DECK, EDGE OF SLAB, EQUAL, EACH WAY, EXISTING, EXPANSION, EXTERIOR, FLOOR DRAIN, FOUNDATION, FACE OF, FINISHED FLOOR ELEVATION, FINISH, FINISHED FLOOR, FACE OF BUILDING, FACE OF CONCRETE, FACE OF MASONRY, FACE OF SLAB/ STUD, FRAMING, FOOTING, FIELD VERIFY, GALVANIZED, GENERAL GRADE BEAM, HIGH, HORIZONTAL, HOLLOW STRUCTURAL SECTION, HEIGHT, HEAVY INTERIOR, JOINT BEARING ELEVATION, JOINT, KEYED CONSTRUCTION JOINT, LONG LEG HORIZONTAL, LONG LEG VERTICAL, LONG SIDE HORIZONTAL, LONG SIDE VERTICAL, LIGHTWEIGHT, LIGHTWEIGHT CONCRETE MASONRY MATERIAL, MAXIMUM, MECHANICAL, MOMENT FRAME, MANUFACTURER, MIDDLE, MINIMUM, MODIFY, MIDDEPTH OF SLAB, NOMINAL, NOT TO SCALE, ON CENTER, OPPOSITE HAND, OPENING, POWDER ACTUATED FASTENER, PARALLEL, PERPENDICULAR, PRE-ENGINEERED METAL BUILDING, PENETRATE, PENETRATION, PERPENDICULAR, PLATE, RADIUS, REFERENCE, REFER TO, REINFORCE, REINFORCED, REINFORCING, REQUIRED, REQUIREMENTS, SCHEDULE, STEPPED FOOTING, STEPPED GRADE BEAM, SIMILAR, SAWED JOINT, SLOPE, SLAB-ON-GRADE, SIDEPLATE FRAME, STANDARD, TRUSS BEARING ELEVATION, TOP & BOTTOM, TONGUE AND GROOVE, THICKNESS, TOP OF CONCRETE, TOP OF FOOTING, TOP OF MASONRY, TOP OF PEDESTAL, TOP OF STEEL, THICKENED SLAB, TYPICAL, UNLESS OTHERWISE NOTED, VERTICAL, WITH, WORKING POINT, WOOD STRUCTURAL PANEL(S), WELDED WIRE REINFORCING.

PLAN LEGEND:



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GRIMM AND PARKER logo

GP #21710

GENERAL NOTES WARWICK HEALTH SCIENCES ACADEMY 1241 GATEWOOD RD., NEWPORT NEWS, VA 23601

Table with 2 columns: DATE, DESCRIPTION

S001 6/8/2022 BID SET

KEY NOTES

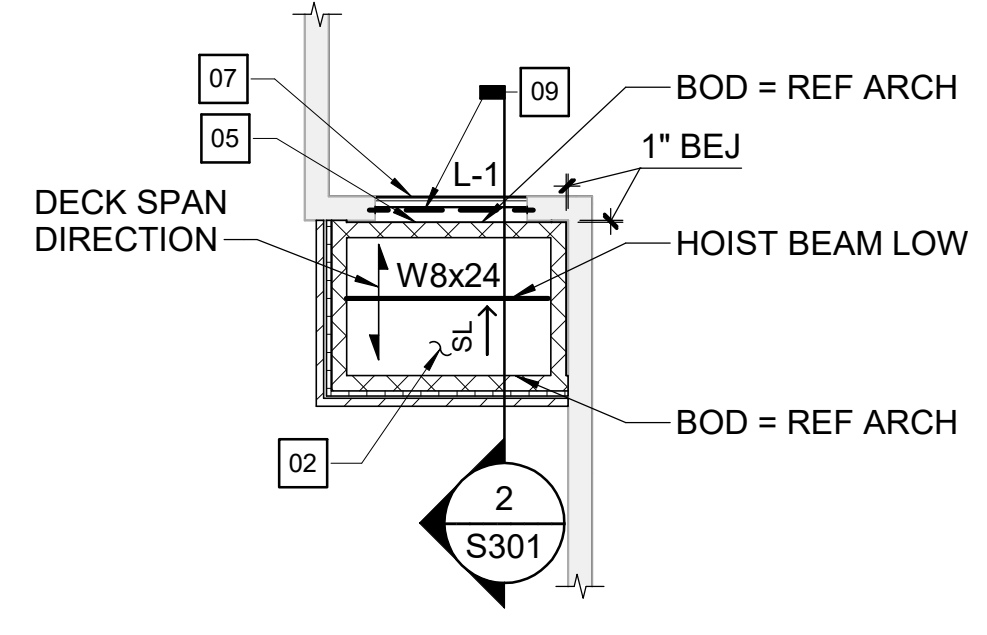
- 01 REFER TO ELEVATOR SUMP PIT DETAIL ON SHEET S501.
- 02 ROOF DECK, REF NOTES ON S001.
- 03 UNDERPIN EXISTING FOOTING AS REQD TO INSTALL NEW ELEVATOR PIT.
- 04 PROVIDE 8" DEEP BOND BEAM REINFORCED WITH 2-#4 BOTTOM ON ALL 4 SIDES OF THE SHAFT. TOP OF BOND BEAM IS 8" BELOW FINISHED FLOOR. FOR MASONRY OPENINGS IN NEW CMU REFER TO THE TYPICAL DETAIL ON SHEET S501.
- 05 INFILL PORTION OF THE EXISTING OPENING NO LONGER USED WITH NEW CMU AND/OR BRICK TO MATCH THE EXISTING.
- 06 REMOVE EXISTING CONCRETE AT THRESHOLD IN EXISTING WALL TO JOIST BEARING ELEVATION OR 8" BELOW FINISHED FLOOR AND FILL WITH CONCRETE, REINFORCE WITH 2-#4 CONT.
- 07 L-1 LINTEL IS A W8x28. REFER TO THE TYPICAL DETAIL ON SHEET S501.

FRAMING PLAN NOTES

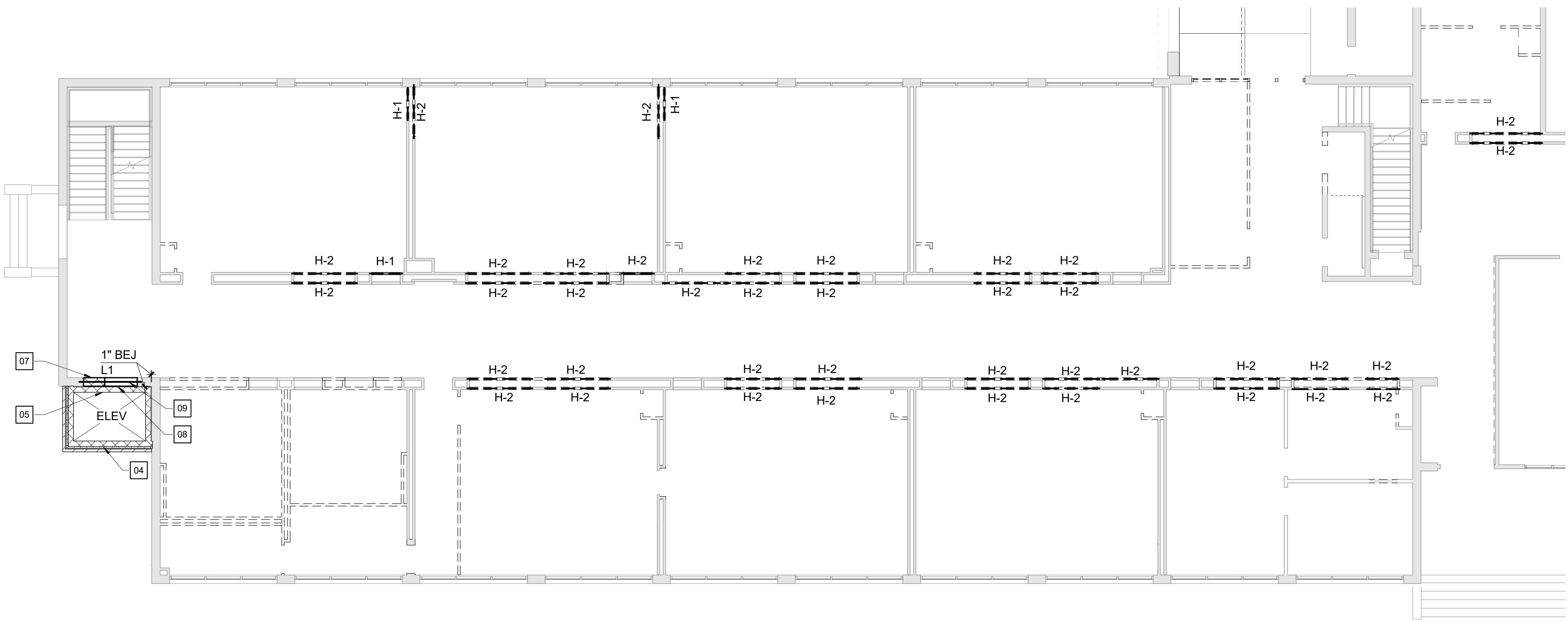
- A. REFER TO FOUNDATION PLAN AND ARCHITECTURAL DRAWINGS FOR DIMENSIONS NOT SHOWN.
- B. TOP OF EXISTING SECOND FLOOR FINISHED FLOOR ELEVATION IS = +12'-4 1/2" +/-

FOUNDATION PLAN NOTES

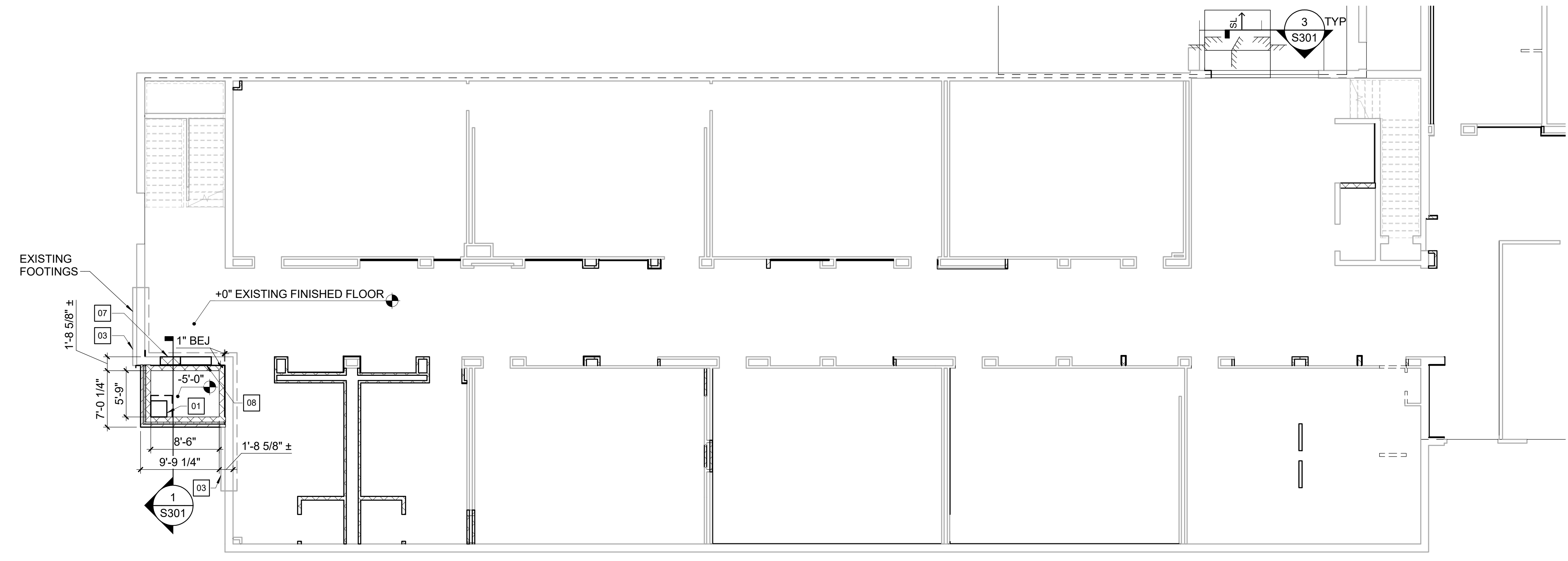
- A. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS TO NONBEARING WALLS, WALL CONTROL JOINTS AND OPENINGS.
- B. UNLESS OTHERWISE NOTED, ALL ELEVATIONS ARE BASED ON A FINISHED FIRST FLOOR REFERENCE OF 0'-0". ACTUAL FINISHED FLOOR ELEVATION MUST MATCH THE EXISTING. REFER TO ARCHITECTURAL DRAWINGS FOR FINISHED FLOOR MATERIAL.
- C. UTILITY LOCATIONS ARE NOT SHOWN ON PLAN. THE CONTRACTOR SHALL COORDINATE THE LOCATIONS, SIZES, AND INVERTS OF UTILITIES. AT LOCATIONS WHERE UTILITIES PASS BELOW THE TOP OF FOOTING ELEVATION, STEP THE TOP OF FOOTING DOWN ON EACH SIDE PER THE "STEPPED FOOTING DETAIL," AND SLEEVE THE UTILITY THROUGH THE FOUNDATION WALL. THE CONTRACTOR MAY, AT THEIR OPTION, SLEEVE THE UTILITY THROUGH THE FOUNDATION PER THE "UTILITY SLEEVE DETAIL." ALL PENETRATIONS IN MASONRY WALLS GREATER THAN 1'-4" REQUIRE A BOND BEAM LINTEL.
- D. UNLESS OTHERWISE INDICATED, EXTEND WALL FOOTINGS A MINIMUM OF 6 INCHES BEYOND ENDS OF WALLS.



3 ELEVATOR HIGH ROOF PLAN
1/8" = 1'-0"



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



1 ELEVATOR PIT FOUNDATION PLAN
1/8" = 1'-0"

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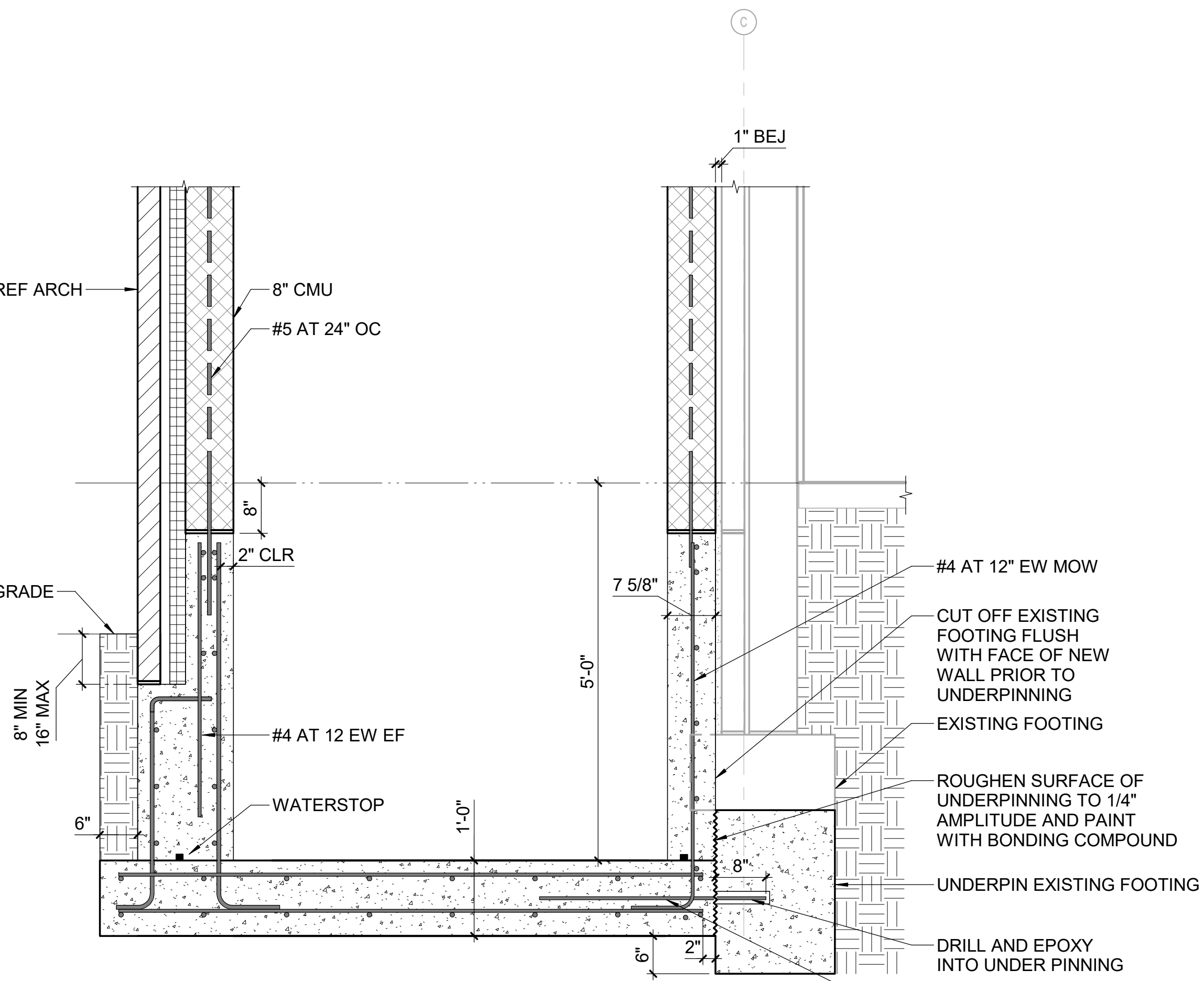
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GP #21710

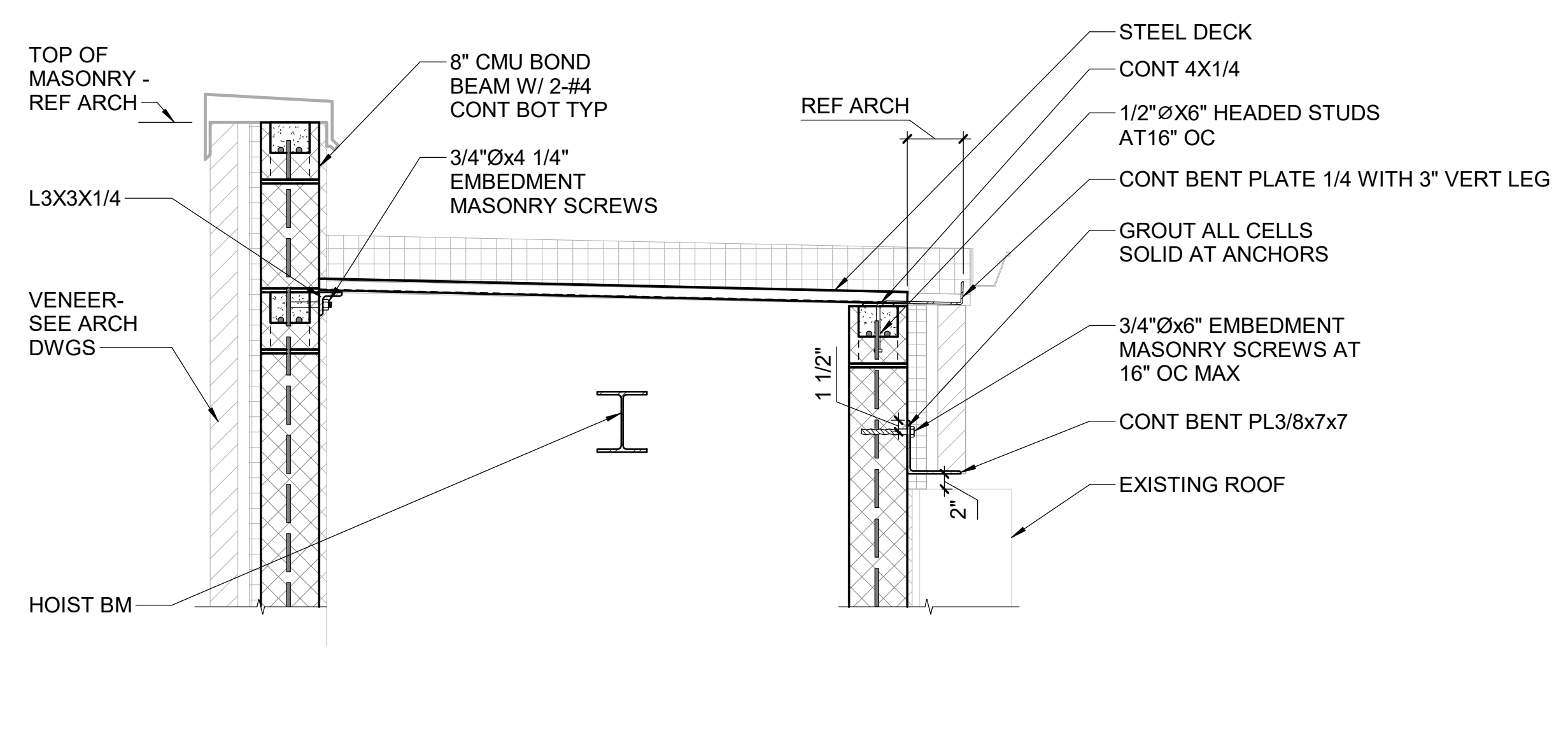
FOUNDATION, FRAMING PLANS, AND SECTIONS
WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD., NEWPORT NEWS, VA 23601

DATE	DESCRIPTION

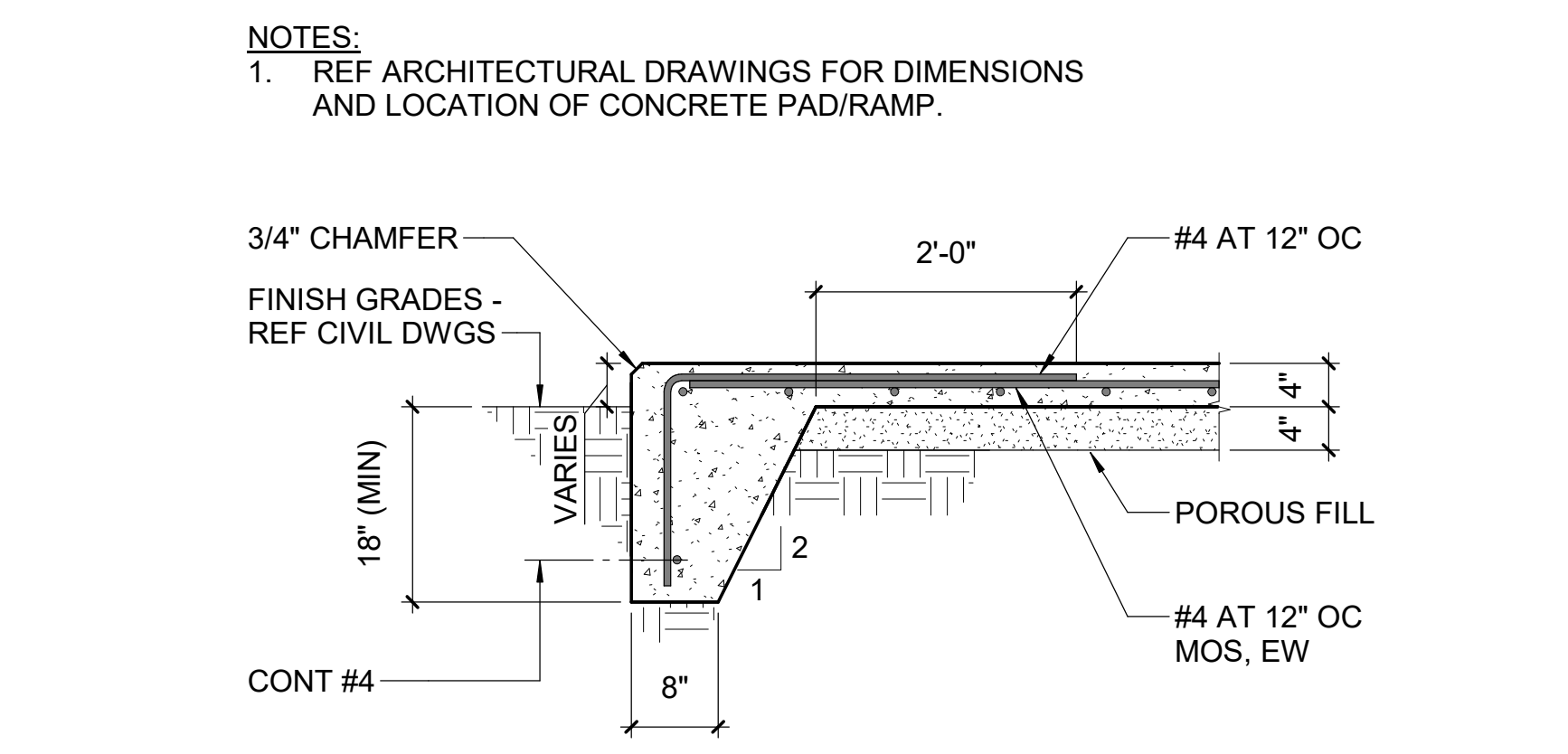
S101
6/8/2022
BID SET



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



2 SECTION
3/4" = 1'-0"



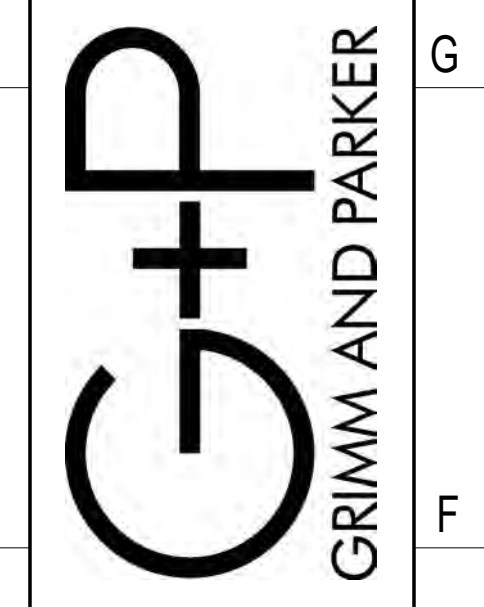
3 SECTION
3/4" = 1'-0"

NOTES:
1. REF ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND LOCATION OF CONCRETE PAD/RAMP.

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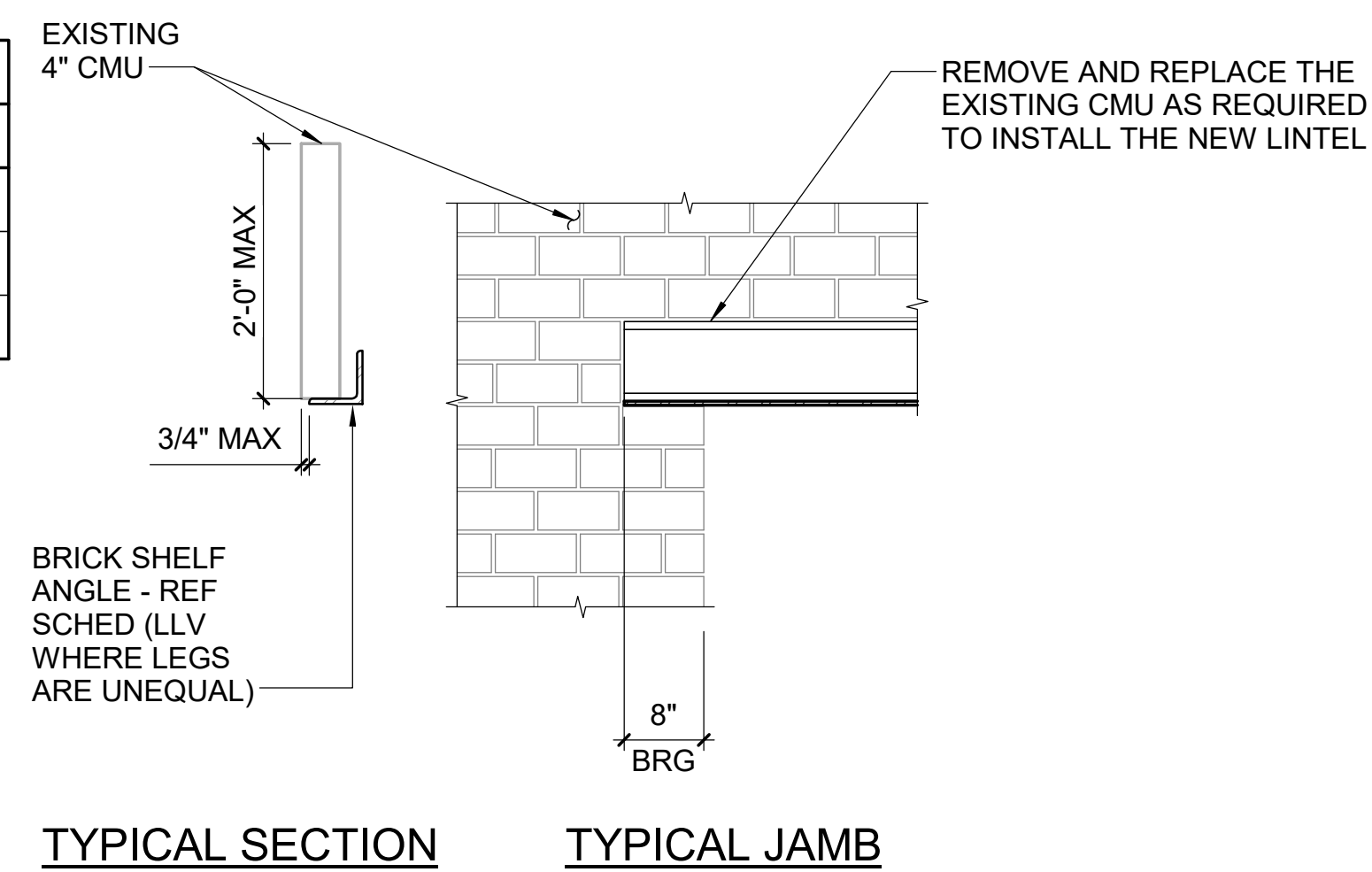
SECTIONS
WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD, NEWPORT NEWS, VA 23601

DATE	DESCRIPTION

S301
6/8/2022
BID SET

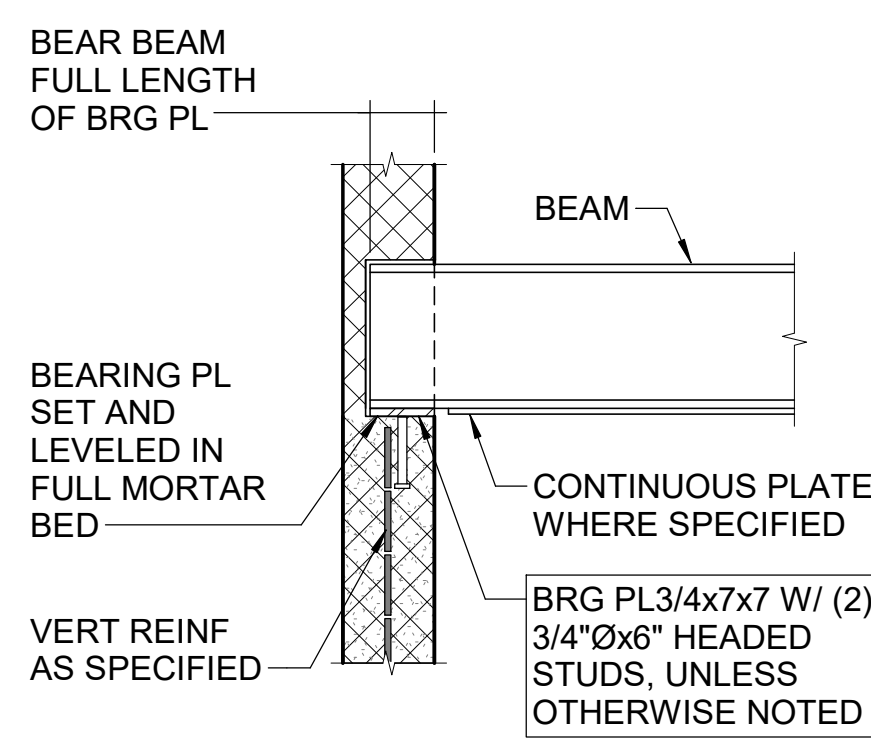
BRICK SHELF ANGLE SCHEDULE		
MARK	CLEAR SPAN	SIZE
H1	0 TO 3'-4"	L4x4x1/4
H2	3'-5" TO 14'-0"	L7x4x3/8
H3	14'-1" TO 22'-0"	BENT PL3/8x4x12

- NOTES:**
- REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS.
 - SHELF ANGLE SCHEDULE APPLIES ONLY TO SHELF ANGLES NOT OTHERWISE DETAILED.



BRICK SHELF ANGLE DETAILS

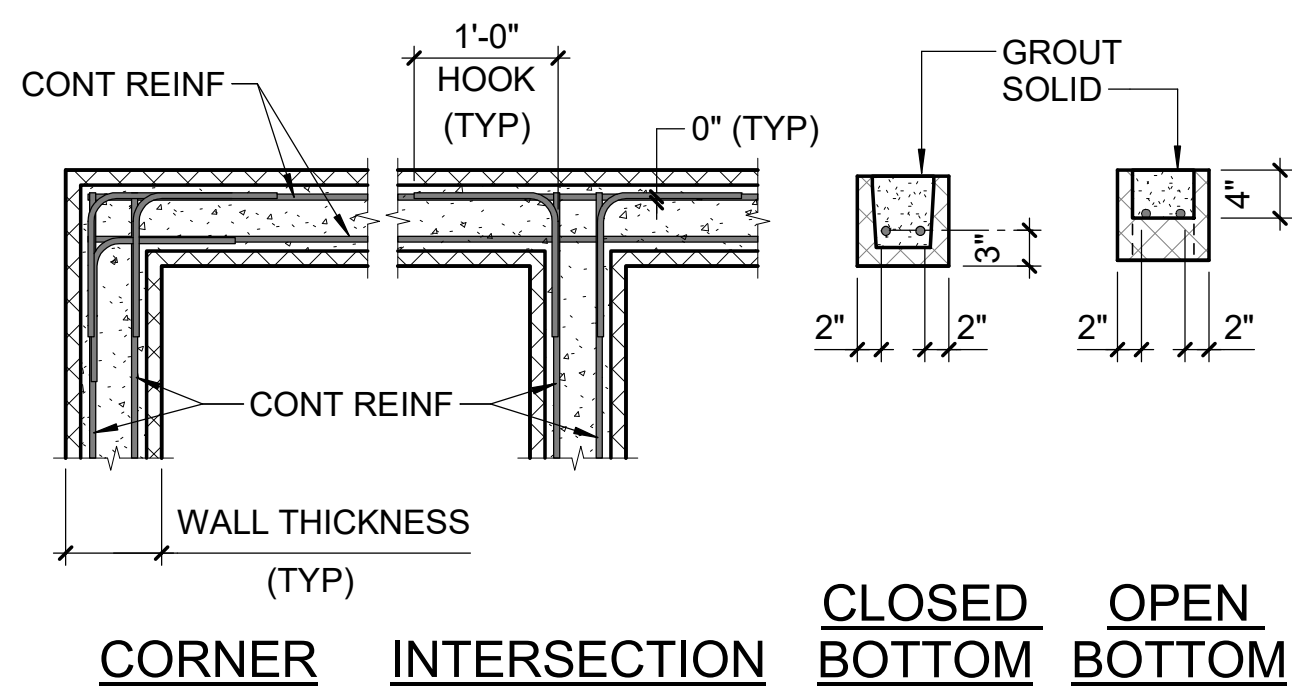
NTS



PERPENDICULAR TO WALL

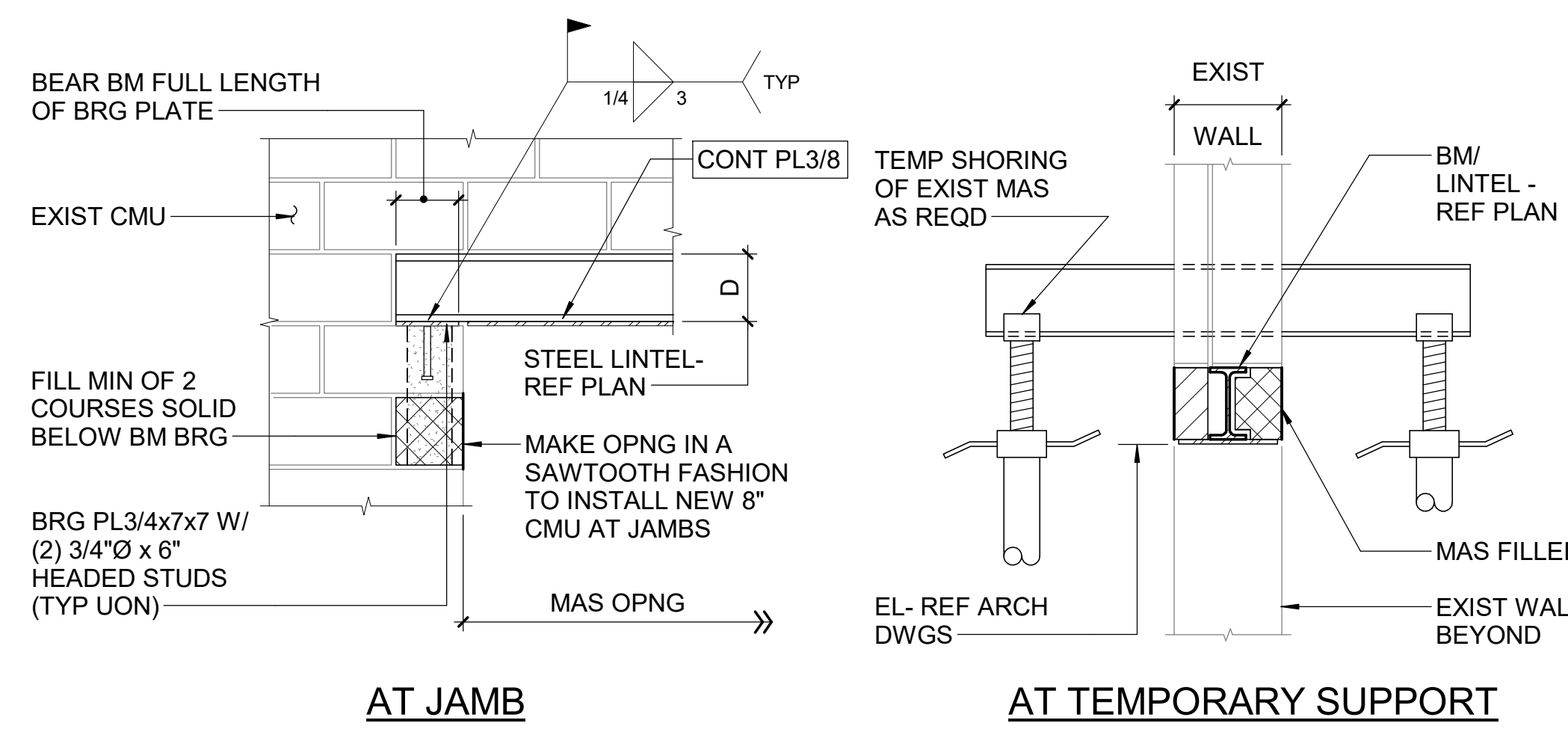
TYPICAL BEAM BEARING ON MASONRY DETAIL

NTS



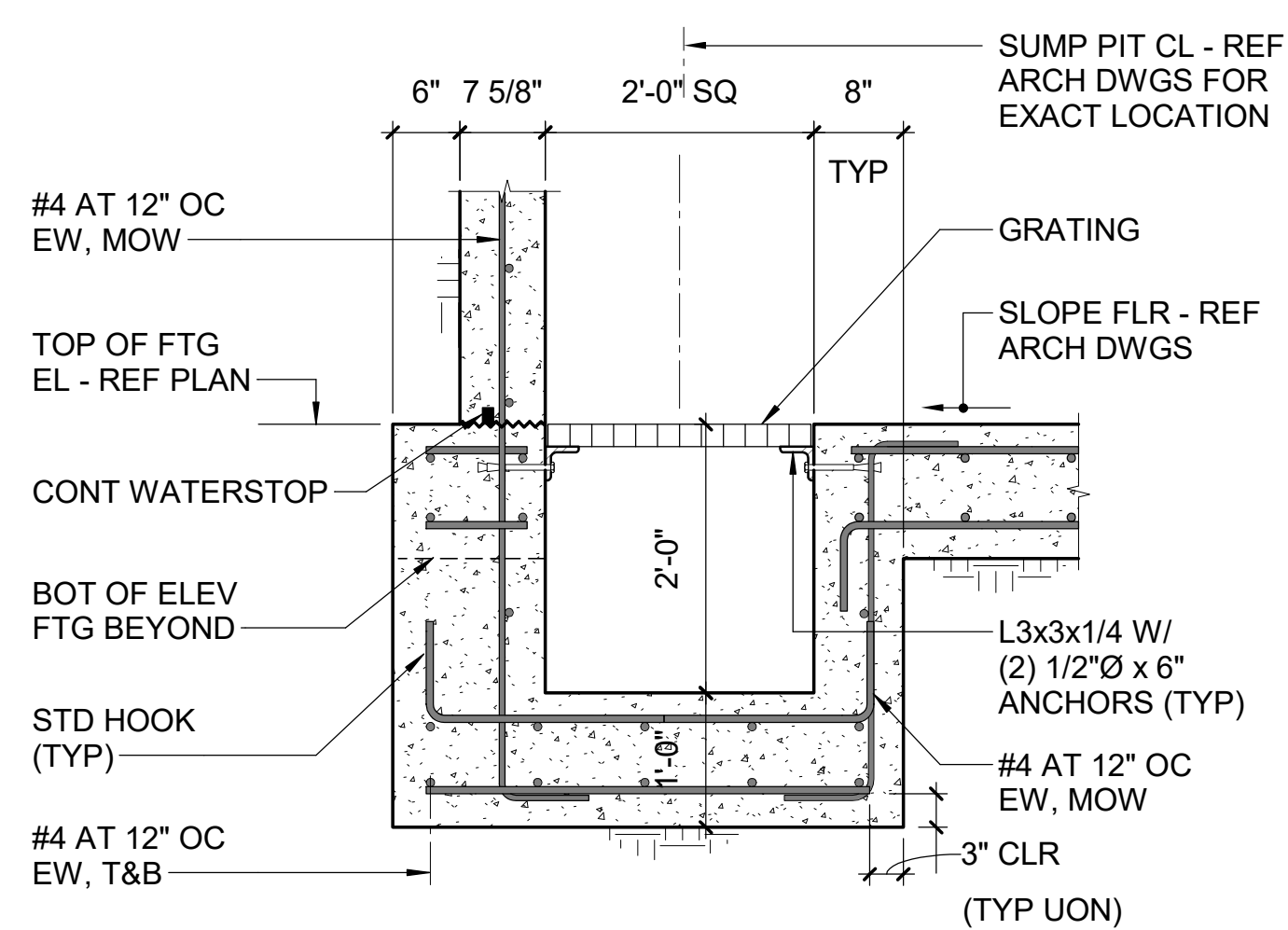
TYPICAL BOND BEAM REINFORCING DETAILS

NTS



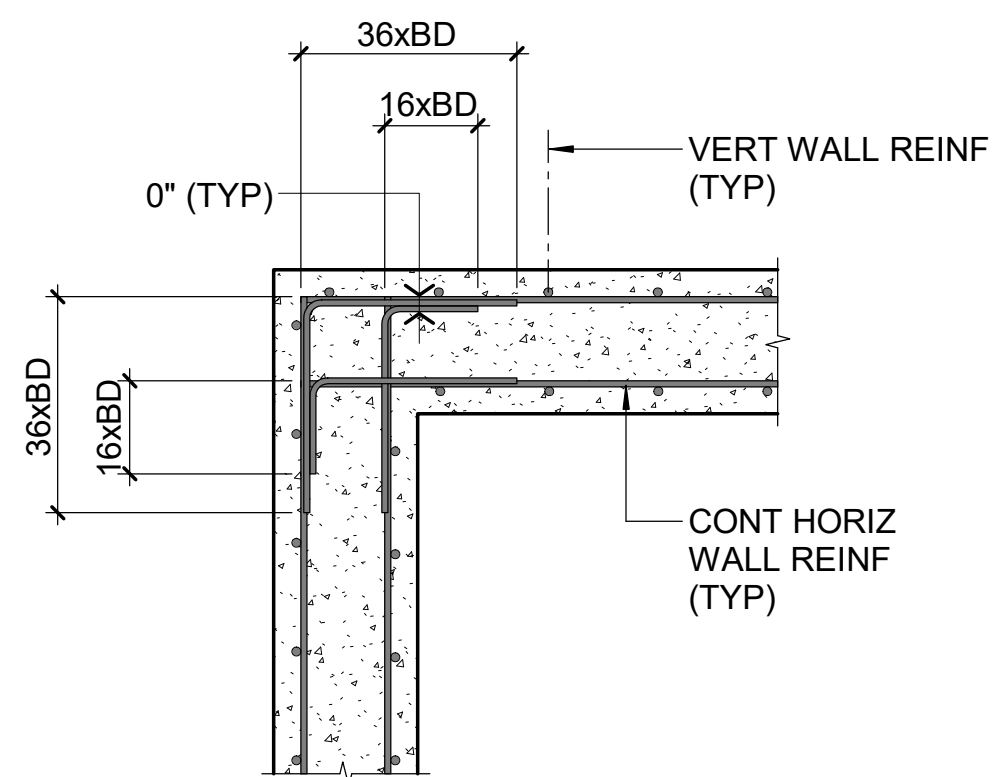
TYPICAL STEEL LINTEL BEARING ON EXISTING MASONRY DETAILS

NTS



ELEVATOR SUMP PIT DETAIL

NTS



TYPICAL DETAIL AT CORNERS OF CONCRETE WALLS

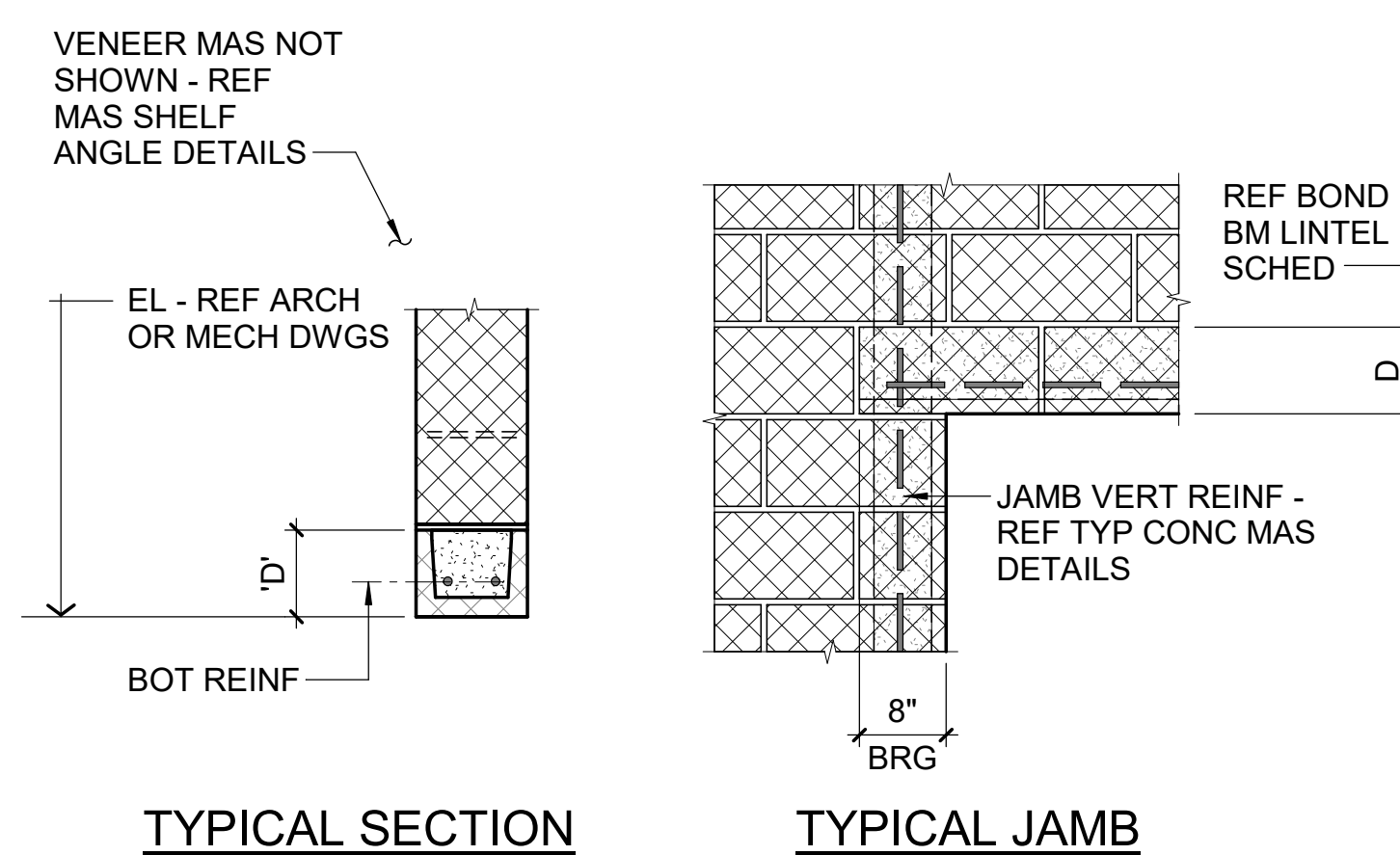
NTS

BOND BEAM LINTEL SCHEDULE		
CLEAR SPAN	DEPTH 'D'	REINFORCING
0 TO 5'-4"	8"	8" WIDE (2) #8 BOTTOM

- NOTES:**
- REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS; FOR DUCT OPENINGS REFER TO MECHANICAL DRAWINGS.
 - REFER TO ARCHITECTURAL DRAWINGS FOR WIDTH OF LINTEL.
 - SCHEDULE APPLIES ONLY TO LINTELS NOT OTHERWISE SHOWN ON THE DRAWINGS.

BOND BEAM LINTEL DETAILS

NTS



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GP #21710

GRIMM AND PARKER

GP #21710

TYPICAL DETAILS

WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD, NEWPORT NEWS, VA 23601

DATE	DESCRIPTION

S501
6/8/2022
BID SET

PLUMBING FIXTURE SCHEDULE ①

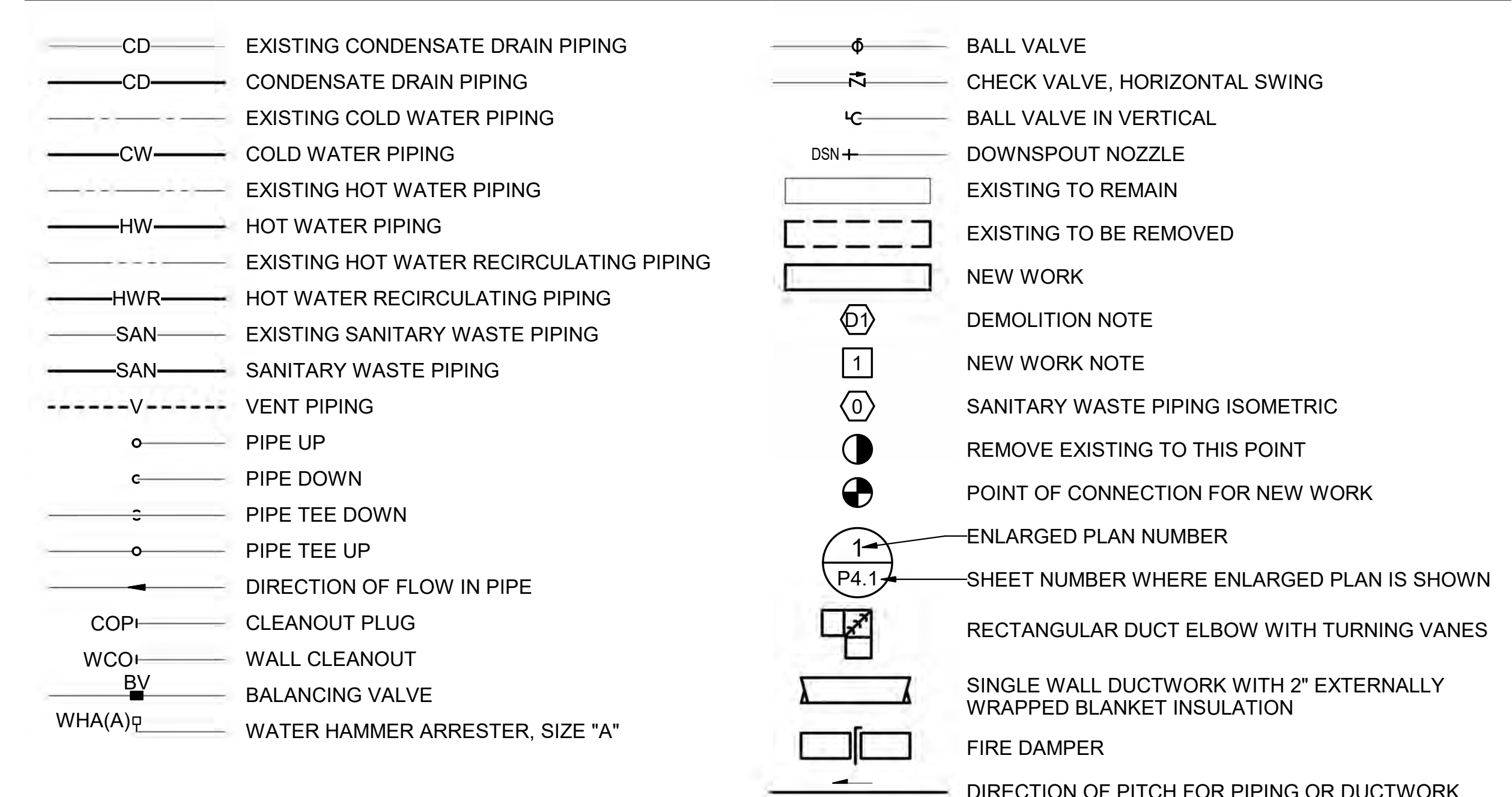
MARK	FIXTURE	MANUFACTURER	MODEL NUMBER	MATERIAL	SIZE	MOUNTING HEIGHT	SUPPLY & DRAIN FITTING	SUPPLY STOPS	TRAP	PIPE ROUGH-IN SIZES				REMARKS
										W	V	HW	CW	
P-1	WATER CLOSET	KOHLER	K-4325	VITREOUS CHINA	15-1/4" TO RIM	WALL MOUNTED	SLOAN G2-8111-1.28	-	-	4"	2"	-	1"	④ ⑥ SEAT: K-4670-SC
P-1A	WATER CLOSET (ADA)	KOHLER	K-4325	VITREOUS CHINA	16-7/8" TO RIM	WALL MOUNTED	SLOAN G2-8111-1.28	-	-	4"	2"	-	1"	④ ⑥ SEAT: K-4670-SC
P-2	LAVATORY (ADA)	ACORN	3803-09-H1-OCC11	POLYMER RESIN	22" x 80"	34" TO RIM	FAUCET: SF-2300 DRAIN: INCLUDED	LOOSE KEY	17 GAUGE W/ CLEANOUT	1-1/2"	2"	1/2"	1/2"	⑦ ⑧ ⑨
P-2A	LAVATORY (ADA)	KOHLER	K-2196-4	VITREOUS CHINA	21-1/4" x 18-1/8"	COUNTERTOP	FAUCET: SF-2300 DRAIN: 155A	LOOSE KEY	17 GAUGE W/ CLEANOUT	1-1/2"	2"	1/2"	1/2"	⑦ ⑧ ⑩
P-3	MOP SINK	STERN WILLIAMS	SB-900	TERRAZZO	24" x 24" 12" DEEP	FLOOR MOUNTED	FAUCET: 445-PVBCP	INTEGRAL	DEEP SEAL	3"	2"	3/4"	3/4"	⑤
P-4	ELECTRIC WATER COOLER (BI-LEVEL)	HALSEY TAYLOR	HAC-8FSBL-Q-ADA	STAINLESS STEEL	-	27" TO LOWER APRON	-	W/ HANDLE	17 GAUGE W/ CLEANOUT	1-1/2"	2"	-	1/2"	-
P-5	SINGLE BOWL SINK (ADA)	JUST	SL-ADA-2225-A-GR	STAINLESS STEEL	22" x 25" 5-1/2" DEEP	COUNTERTOP	FAUCET: B-2852 DRAIN: J-35	LOOSE KEY	17 GAUGE W/ CLEANOUT	1-1/2"	2"	1/2"	1/2"	② ③ ⑦
P-6	CLINIC SINK (ADA)	JUST	SL-ADA-1613-A-GR	STAINLESS STEEL	13" x 16" 5-1/2" DEEP	COUNTERTOP	FAUCET: B-2852 DRAIN: J-35	LOOSE KEY	17 GAUGE W/ CLEANOUT	1-1/2"	2"	1/2"	1/2"	② ③ ⑦
P-7	URINAL	KOHLER	K-4991-ET	VITREOUS CHINA	-	24" TO LIP	SLOAN G2-8186-0.125	-	-	2"	2"	-	3/4"	⑩
P-7	URINAL (ADA)	KOHLER	K-4991-ET	VITREOUS CHINA	-	17" TO LIP	SLOAN G2-8186-0.125	-	-	2"	2"	-	3/4"	⑩

- NOTES:**
- ① ALL FIXTURES TO BE LOW CONSUMPTION AND VANDAL-RESISTANT.
 - ② FAUCET BY T & S BRASS, DRAIN BY JUST.
 - ③ CENTER DRAIN AT REAR OF BOWL OR BOWLS.
 - ④ 1.28 GPF.
 - ⑤ FAUCET BY CHICAGO.
 - ⑥ BATTERY POWERED, SENSOR ACTIVATED FLUSH VALVE.
 - ⑦ HARDWIRED SENSOR ACTIVATED FAUCET.
 - ⑧ PROVIDE MV-1 AS SCHEDULED.
 - ⑨ FAUCET BY SLOAN.
 - ⑩ 0.125 GPF.
 - ⑪ FAUCET BY SLOAN, DRAIN BY MCGUIRE.

ABBREVIATIONS

AAV	AIR ADMITTANCE VALVE	"F	DEGREES FAHRENHEIT
ABV	ABOVE	FCO	FLOOR CLEANOUT
AD	ACCESS DOOR	FCU	FAN COIL UNIT
ADA	AMERICANS WITH DISABILITIES ACT	FD	FIRE DAMPER
AHU	AIR HANDLING UNIT	FD-1	FLOOR DRAIN AND TYPE
BFF	BELOW FINISHED FLOOR	GPF	GALLONS PER FLUSH
<u>BFP-1</u>	BACKFLOW PREVENTER AND TYPE	HW	HOT WATER
CD	CONDENSATE DRAIN	HWR	HOT WATER RECIRCULATING
CF/HR	CUBIC FEET PER HOUR	<u>ILX</u>	INDOOR (SPLIT SYSTEM A/C) UNIT DESIGNATION
CFM	CUBIC FEET PER MINUTE	KW	KILOWATT
CO	CLEANOUT	MBH	1000 BRITISH THERMAL UNITS PER HOUR
COP	CLEANOUT PLUG	MCA	MINIMUM CIRCUIT AMPS
CW	COLD WATER	MECH	MECHANICAL
CWM	COLD WATER MAKE-UP	<u>P-1</u>	FIXTURE MARK
D	DRAIN	RS	REFRIGERANT SUCTION
DB	DRY BULB	TYP	TYPICAL
DSN	DOWNSPOUT NOZZLE	V	VENT OR VOLTS
DWV	DRAIN, WASTE AND VENT	WB	WET BULB
EAT	ENTERING AIR TEMPERATURE	WCO	WALL CLEANOUT
		WHA(A)	WATER HAMMER ARRESTER SIZE

LEGEND



GENERAL DEMOLITION NOTES

- REFER TO ARCHITECTURAL PLANS FOR CUTTING AND PATCHING OF FLOORS, WALLS AND CEILINGS.
- THE EXACT LOCATION OF HIDDEN PLUMBING WORK SUCH AS PIPING BELOW THE SLAB OR BELOW GRADE, OR INSIDE OF WALLS IS UNKNOWN. CONTRACTOR SHALL LOCATE ALL PIPING REQUIRED FOR DEMOLITION OR NEW CONNECTIONS USING LOCATING INSTRUMENTS AND/OR EXCAVATION METHODS AS REQUIRED. VERIFY ALL EXISTING PIPE SIZES, MATERIALS AND DEPTH PRIOR TO MAKING NEW CONNECTIONS. MODIFY EXISTING ROUGH-INS AS REQUIRED FOR NEW PLUMBING FIXTURES.
- INVERTS OF EXISTING UNDERGROUND SANITARY PIPING SHALL BE CHECKED AGAINST NEW CONNECTED PIPING LAYOUTS PRIOR TO NEW EXCAVATIONS AND PIPE INSTALLATION. CONTRACTOR SHALL ROUTE PIPING IN A MANNER TO MAINTAIN REQUIRED SLOPE ON PIPING AND MEET EXISTING INVERTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AT HIS SOLE EXPENSE, ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
- COORDINATE WITH OWNER PRIOR TO SHUTTING OFF WATER SUPPLY OR DISRUPTING SEWER USAGE. REFER TO THE SPECIFICATIONS FOR PROCEDURES TO BE FOLLOWED. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING TOILETS AND OTHER PLUMBING FACILITIES WHILE SERVICES ARE NOT AVAILABLE FOR USE.
- CONTRACTOR SHALL REPORT IMMEDIATELY TO THE ENGINEER ALL FIELD CONDITIONS ENCOUNTERED WHICH ARE NOT SHOWN ON THE DRAWINGS AND WHICH WERE NOT REASONABLY ANTICIPATED.
- WHERE PIPING IS SHOWN TO BE ABANDONED, CAP ALL ABOVE AND BELOW GRADE PIPING FOR A PERMANENT WATERTIGHT SEAL.
- DUE TO THE AGE OF THE BUILDING, THE CONTRACTOR SHALL ROD AND FLUSH ALL EXISTING UNDERGROUND WASTE PIPING INDICATED TO BE REUSED OR REMAIN ACTIVE. ONCE THE PIPING HAS BEEN THOROUGHLY FLUSHED FREE OF ALL DEBRIS AND FUNCTIONING PROPERLY, THE PIPING SHALL BE INSPECTED WITH A CAMERA TO DETERMINE ITS CONDITION. ANY WEAKENED, WORN OR DAMAGED PIPING SHALL BE REPORTED TO THE ENGINEER.

SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE

MARK	TOTAL CFM	INDOOR UNIT					OUTDOOR UNIT				REMARKS			
		COOLING		ELECTRICAL		SELECTION BASED ON "DAIKIN"	ELECTRICAL			SELECTION BASED ON "DAIKIN"				
		EAT DB(°F)	TOTAL MBH	FLA	V		PH	MCA	V			PH		
IU-1	525	80.0	67.0	18.0	1.6	208	1	FBQ18PVJU	OU-1	16.5	208	1	RZR18TAVJUA	① ② ③ ④ ⑤ ⑥

- REMARKS: ① PROVIDE WITH UNIT MOUNTED CONTROLLER. ② PROVIDE WITH CONDENSATE OVERFLOW SWITCH. ③ PROVIDE WITH R-410A REFRIGERANT. ④ CFM INDICATED BASED ON HIGH FAN SPEED AND WET COIL. ⑤ INDOOR UNIT POWERED BY OUTDOOR UNIT. ⑥ PROVIDE INDOOR UNIT WITH 14/3 CONDUCTOR AND 3-POLE DISCONNECT SWITCH BY UNIT MANUFACTURER.

PLUMBING DRAIN AND EQUIPMENT SCHEDULE

ITEM	MANUFACTURER	MODEL NUMBER	REMARKS
FLOOR DRAIN #1 (FD-1)	J.R. SMITH	2005(Y)-A-U-NB	WITH DEEP SEAL TRAP AND WATERLESS TRAP SEAL.
BACKFLOW PREVENTER #1 (BFP-1)	WILKINS	375FSC	SERVES MAIN BUILDING. ASSE 1013 CERTIFIED.
WATERLESS TRAP SEAL	GREEN DRAIN	SERIES G2	BARRIER-TYPE TRAP SEAL DEVICE. ASSE 1072 CERTIFIED.
AIR ADMITTANCE VALVE (AAV)	STUDOR	MINI-VENT	INSTALL IN VERTICAL POSITION.
MIXING VALVE #1 (MV-1)	LEONARD	170A-LF	MOUNT MIXING VALVE BELOW LAVATORIES <u>P-2</u> AND <u>P-2A</u> . ASSE 1070 CERTIFIED.
ELEVATOR SUMP PUMP WITH OIL GUARD SYSTEM (SP-1)	ZOELLER	940-0005	SUMP PUMP: ZOELLER 160 SERIES, 50 GPM @ 18 FT/HEAD, 0.5 HP, 1550 RPM, 115 VOLTS, 1 PH. ALARM PANEL: 115 VOLTS, 1 PH. LOCATE ALARM PANEL IN ELEVATOR SHAFT WHERE INDICATED.

PLUMBING GENERAL NOTES

- FOR CONTINUATION OF PIPING BEYOND LIMITS OF BUILDING, SEE SITE PLAN.
- PIPING SHALL BE CONCEALED, UNLESS OTHERWISE NOTED.
- REFER TO STRUCTURAL DRAWINGS FOR LOCATIONS OF COLUMNS, FOOTINGS, PIPE CAPS AND/OR GRADE BEAMS. COORDINATE ROUTING OF UNDERSLAB PLUMBING WITH STRUCTURAL DRAWINGS AND COMPLY WITH APPLICABLE NOTES AND DETAILS ON THOSE DRAWINGS. KEEP ALL PIPING CLEAR OF FOOTINGS. DO NOT PENETRATE FOOTINGS OR GRADE BEAMS.
- PROVIDE PIPE SLEEVES LARGE ENOUGH TO ALLOW FOR LATERAL PIPE MOVEMENT.
- FOR PIPE SIZES NOT SHOWN, SEE ISOMETRICS AND DIAGRAMS.
- EXERCISE DUE CAUTION INSTALLING RUNOUTS AND BRANCH PIPING FROM MAINS TO ALLOW FOR EXPANSION MOVEMENT.
- EXACT LOCATION OF FLOOR DRAINS SHALL BE AS INDICATED ON ARCHITECTURAL DRAWINGS.
- ARRANGE EXPOSED AND ABOVE CEILING PIPING TO CLEAR DUCTWORK, CONDUITS, LIGHT FIXTURES, ETC., AND ALLOW FOR PIPE HANGERS AND ACCESS TO VALVES.
- OVERHEAD PIPING IN EXPOSED STRUCTURE AREAS SHALL BE RUN AS CLOSE TO ROOF DECK AS PRACTICABLE AND PARALLEL TO FRAMING WHEN POSSIBLE.
- LOCATIONS INDICATED FOR PLUMBING VENTS ARE APPROXIMATE. MAINTAIN PLUMBING VENTS 5'-0" (MINIMUM) FROM EDGE OF ROOF AND 10'-0" (MINIMUM) FROM INTAKE AIR VENTS.
- FLOOR DRAINS SHALL BE SET FLUSH, LEVEL WITH FINISHED FLOOR.
- INSTALL ALL DOMESTIC WATER PIPING ON CONDITIONED SIDE OF BUILDING INSULATION.
- COORDINATE WITH THE CONSTRUCTION PHASING PLANS ON THE ARCHITECTURAL DRAWINGS. COORDINATE ALL ASPECTS OF THE WORK TO COMPLY WITH THE PHASING PLANS.
- FOR ALL LOCATIONS AND HOURLY RATINGS FOR FLOORS, CEILINGS, WALLS AND ROOF, SEE FIRE SAFETY PLANS.
- ALL HOT WATER AND HOT WATER RECIRCULATING PIPING SHALL HAVE A MINIMUM OF ONE INCH THICK INSULATION.
- ALL DOMESTIC WATER PIPING SIZES BASED ON 8 FEET PER SECOND (MAXIMUM RECOMMENDED BY CODE).
- ALL PLUMBING VENTS SHALL BE 2", UNLESS OTHERWISE NOTED.

MECHANICAL GENERAL NOTES

- CONTRACTOR SHALL VISIT JOB SITE TO DETERMINE EXTENT OF WORK INVOLVED PRIOR TO BIDDING THE PROJECT.
- THE MECHANICAL SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2018 VIRGINIA UNIFORM STATEWIDE BUILDING CODE.
- COORDINATE LOCATION OF ALL DUCTWORK AND OTHER CEILING MOUNTED EQUIPMENT WITH LIGHT FIXTURES, SPRINKLER SYSTEMS AND ACCESSORIES INSTALLED BY OTHER TRADES SO AS TO PRESENT A NEAT AND ATTRACTIVE INSTALLATION THROUGHOUT THE BUILDING.
- ALL PIPING, VALVES, DUCTWORK, ETC., SHALL BE CONCEALED UNLESS OTHERWISE NOTED.
- PIPING ARRANGEMENTS ARE DIAGRAMMATIC.
- PIPING PASSING THROUGH WATERPROOF MEMBRANES SHALL BE MADE WATERTIGHT.
- ARRANGE PIPING AND DUCTWORK PARTICULARLY ABOVE CEILING AS REQUIRED TO CLEAR STRUCTURE, CONDUIT, LIGHTS, ETC., ALLOWING SPACE FOR HANGERS, INSULATION, ETC.
- DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS.
- REFER TO SPECIFICATIONS FOR FIRE DAMPER REQUIREMENTS. FURNISH AND INSTALL FIRE DAMPERS INDICATED ON DRAWINGS OR AS REQUIRED BY CODE. ALL FIRE DAMPERS SHALL BE IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS, UL LABELED AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- PROVIDE ACCESS DOORS TO ALL FIRE DAMPERS.
- MAINTAIN PROPER CLEARANCES PER ELECTRICAL CODE ON ALL EQUIPMENT. COORDINATE WITH ALL TRADES TO ENSURE CLEARANCES ARE NOT OBSTRUCTED.

GRILLE, REGISTER & DIFFUSER SCHEDULE

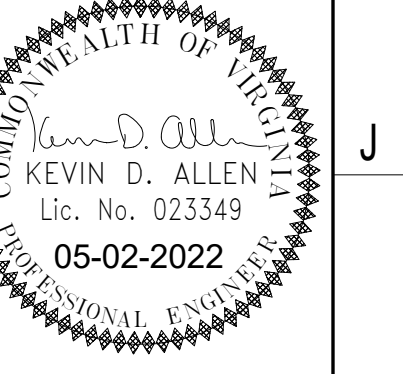
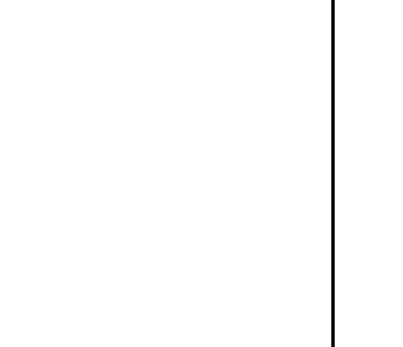
MARK	NECK SIZE	DESCRIPTION	MATERIAL	FINISH	VOLUME DAMPER	SHAPE	MAXIMUM ΔP	MAXIMUM NC	SELECTION BASED ON "PRICE"	REMARKS
(Y)	12" x 12"	CEILING RETURN OR EXHAUST GRILLE 45° DEFLECTION, 3/4" SPACING	STEEL	WHITE	NO	SQUARE	0.1"	25	530	①

- REMARKS: ① REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR CEILING TYPES. FOR ACOUSTIC CEILING, PROVIDE WITH 24" x 24" PANEL SUITABLE FOR MOUNTING IN LAY-IN GRID. FOR DRYWALL CEILING, PROVIDE WITH SMALL FACE AND SURFACE MOUNT FRAME.

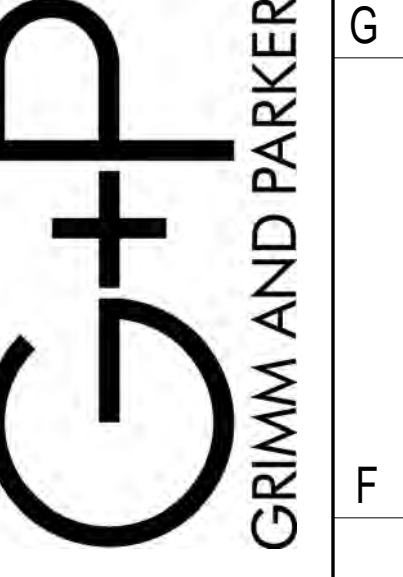
ASBESTOS DISCLOSURE STATEMENT

AN ASBESTOS INSPECTION WAS PERFORMED AND ASBESTOS-CONTAINING MATERIALS WERE FOUND GENERALLY IN THE AREAS INDICATED. THE ASBESTOS SURVEY/INSPECTION REPORT IS AVAILABLE TO THE CONTRACTOR(S) FOR HIS INFORMATION. THE ASBESTOS-CONTAINING MATERIALS SHALL BE REMOVED PRIOR TO ANY OTHER WORK BEING PERFORMED IN THE INDICATED AREAS. THE ASBESTOS MANAGEMENT PLAN IS INCLUDED IN THE DOCUMENTS. THE ASBESTOS ABATEMENT CONTRACTOR SHALL MARK UP THE ASBESTOS MANAGEMENT PLAN TO SHOW THE "AS-BUILT" CONDITIONS RESULTING FROM ITS WORK TO INCLUDE AREAS WHERE ASBESTOS WAS ABATED. AREAS WHERE ASBESTOS WAS ENCAPSULATED AND AREAS WHERE ASBESTOS CONTAINING MATERIALS EXIST BUT WERE LEFT IN PLACE.

NOTE: EXISTING CONDITIONS ILLUSTRATED HAVE BEEN DETERMINED FROM LIMITED ORIGINAL CONSTRUCTION DOCUMENTS AND LIMITED NON-INVASIVE FIELD INVESTIGATION. THE CONTRACTOR SHALL INVESTIGATE FIELD CONDITIONS PRIOR TO COMMENCEMENT OF WORK, COORDINATE AND MAKE ADJUSTMENTS AS NECESSARY.



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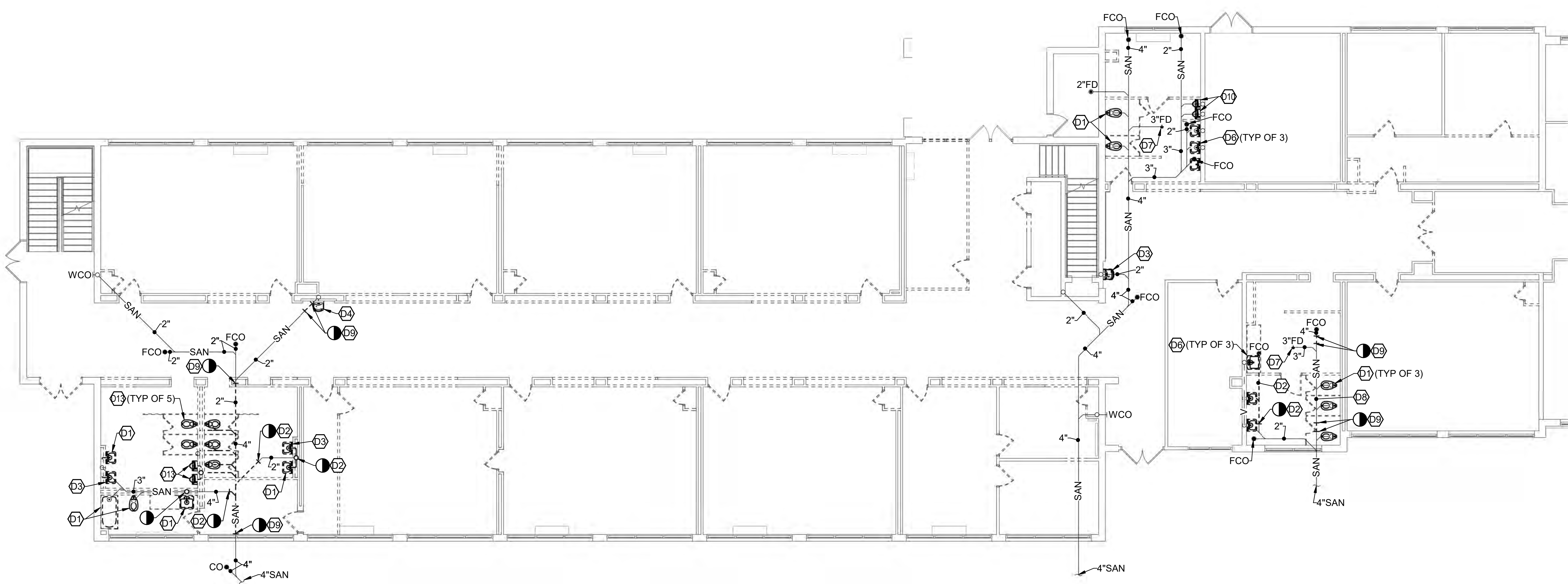


GP #21710

LEGEND, NOTES, ABBREVIATIONS & SCHEDULES
WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD., NEWPORT NEWS, VA 23601

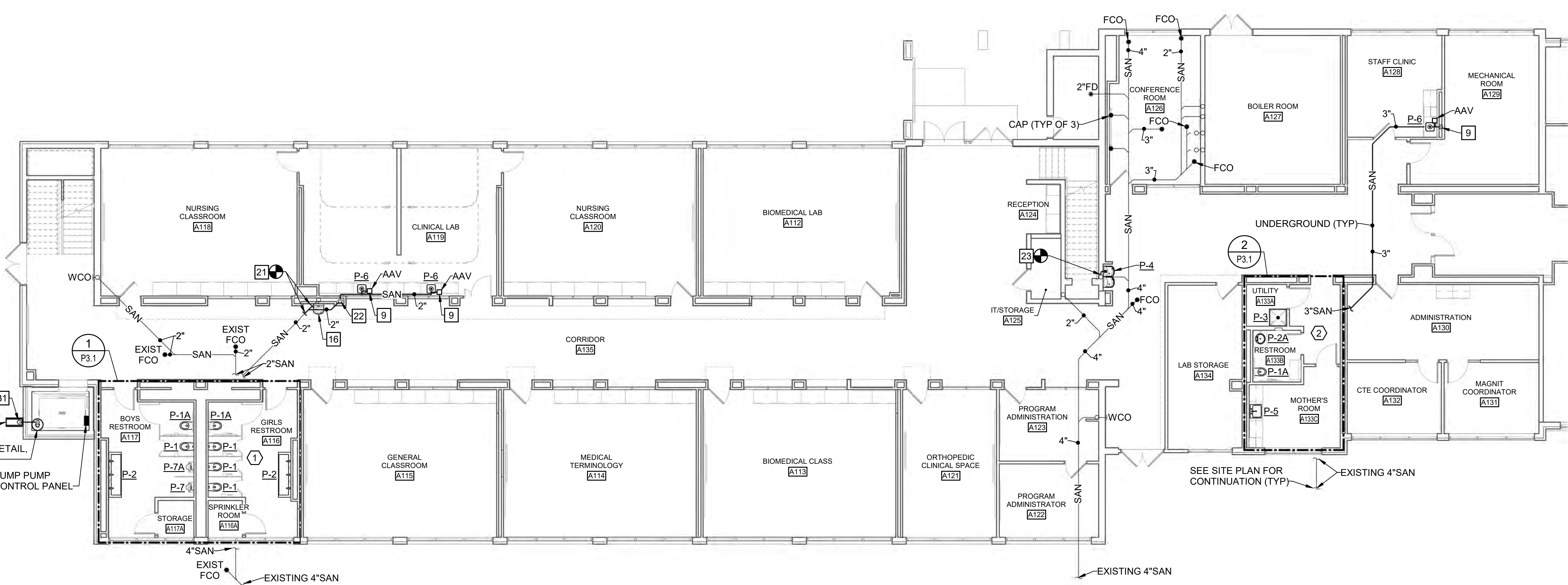
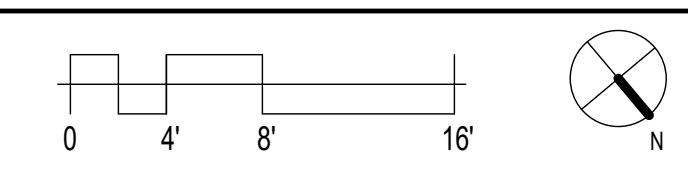
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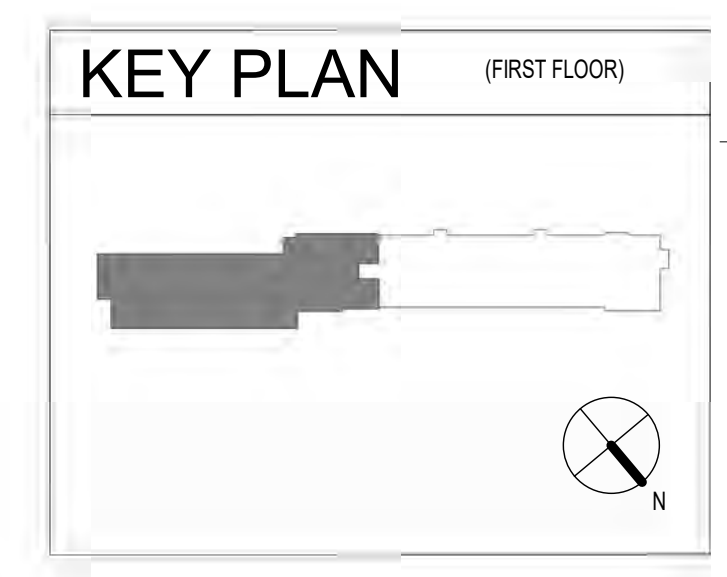
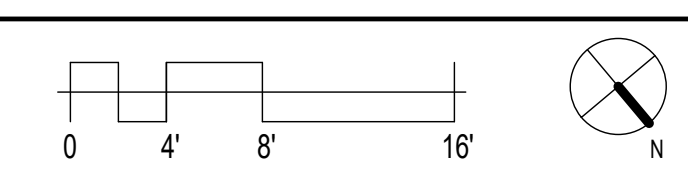
DEMOLITION NOTES	
NO.	DESCRIPTION
D1	REMOVE PLUMBING FIXTURE AND ALL ASSOCIATED PIPING TO BRANCH CONNECTION OR BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH SURROUNDING CONDITIONS. REMOVE FLANGE AND ALL CONNECTIONS. CUT SEWER PIPE MINIMUM OF 4" BELOW FLOOR AND FILL.
D2	REMOVE WASTE PIPING TO POINT INDICATED AND CAP.
D3	REMOVE PLUMBING FIXTURE. MODIFY ROUGH-IN IF REQUIRED TO ACCOMMODATE NEW FIXTURE.
D4	PLUMBING FIXTURE TO REMAIN.
D6	REMOVE LAVATORY. CAP WASTE AND HOT AND COLD WATER PIPING INSIDE WALL.
D7	REMOVE FLOOR DRAIN. CAP WASTE PIPING UNDERGROUND.
D8	WASTE PIPING TO REMAIN.
D9	REMOVE WASTE PIPING TO POINT INDICATED.
D10	REMOVE URINAL. CAP WASTE AND WATER PIPING INSIDE WALL.
D13	REMOVE PLUMBING FIXTURE AND ALL ASSOCIATED WASTE, VENT AND HOT AND/OR COLD WATER TO LIMITS INDICATED.

FIRST FLOOR - DEMOLITION PLAN - DWV
SCALE: 1/8" = 1'-0"



NEW WORK NOTES	
NO.	DESCRIPTION
9	PROVIDE AIR ADMITTANCE VALVE FOR UNDER COUNTER SINK.
16	EXISTING WATER COOLER.
21	CONNECT TO EXISTING WASTE PIPING AT POINT INDICATED.
22	2" WASTE DOWN TO UNDERGROUND.
23	CONNECT TO EXISTING WASTE ROUGH-IN.
31	2" DISCHARGE FROM SUMP PUMP THRU EXTERIOR WALL. TURN PIPE DOWN ABOVE SPLASH BLOCK WITH INSECT SCREEN.

FIRST FLOOR - NEW WORK PLAN - DWV
SCALE: 1/8" = 1'-0"



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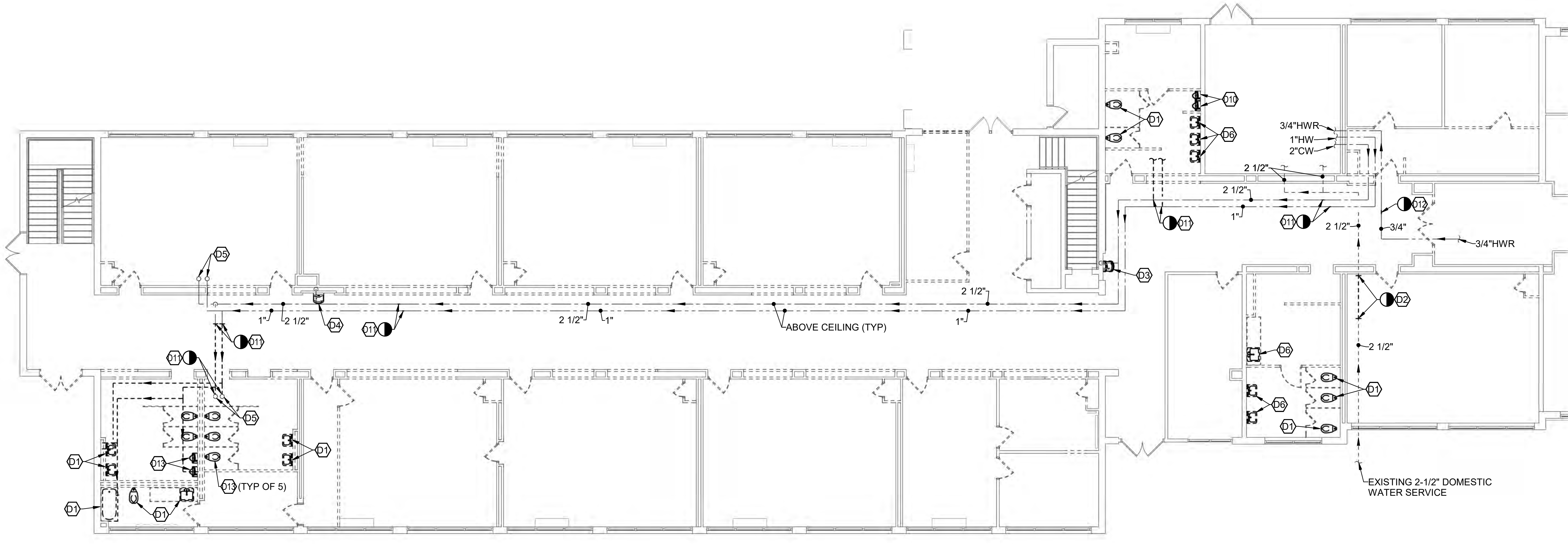


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FLOOR PLANS - DEMOLITION & NEW WORK - DWV
WARWICK HEALTH SCIENCES ACADEMY
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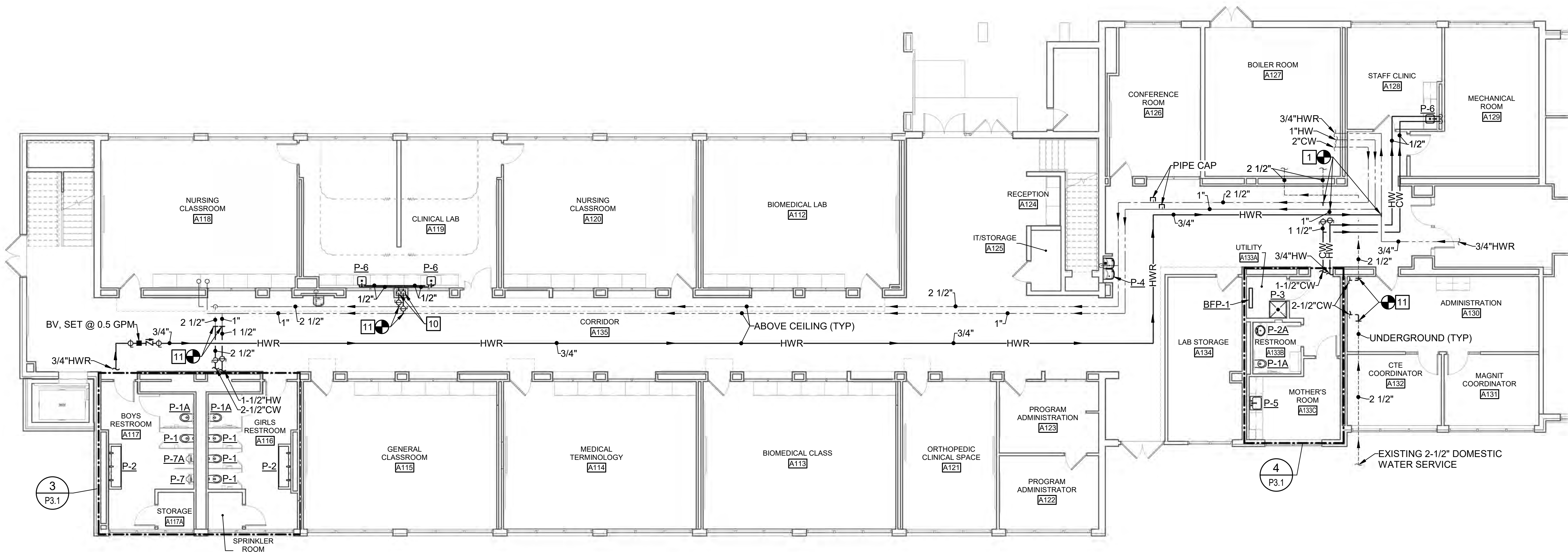
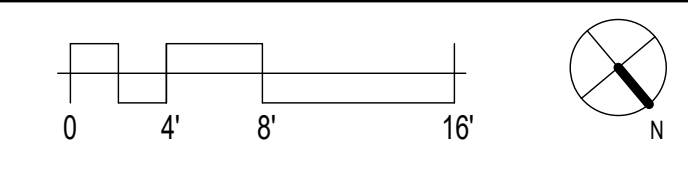
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DEMOLITION NOTES	
NO.	DESCRIPTION
D1	REMOVE PLUMBING FIXTURE AND ALL ASSOCIATED PIPING TO BRANCH CONNECTION OR BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH SURROUNDING CONDITIONS. REMOVE FLANGE AND ALL CONNECTIONS. CUT SEWER PIPE MINIMUM OF 4" BELOW FLOOR AND FILL.
D2	REMOVE WASTE PIPING TO POINT INDICATED AND CAP.
D3	REMOVE PLUMBING FIXTURE, MODIFY ROUGH-IN IF REQUIRED TO ACCOMMODATE NEW FIXTURE.
D4	PLUMBING FIXTURE TO REMAIN.
D5	HOT AND COLD WATER STACK TO SECOND FLOOR TO REMAIN.
D6	REMOVE LAVATORY, CAP WASTE AND HOT AND COLD WATER PIPING INSIDE WALL.
D10	REMOVE URINAL, CAP WASTE AND WATER PIPING INSIDE WALL.
D11	REMOVE HOT AND COLD WATER PIPING TO POINT INDICATED.
D12	REMOVE HOT WATER RECIRCULATING PIPING AT POINT INDICATED.
D13	REMOVE PLUMBING FIXTURE AND ALL ASSOCIATED WASTE, VENT AND HOT AND/OR COLD WATER TO LIMITS INDICATED.

FIRST FLOOR - DEMOLITION PLAN - DOMESTIC WATER

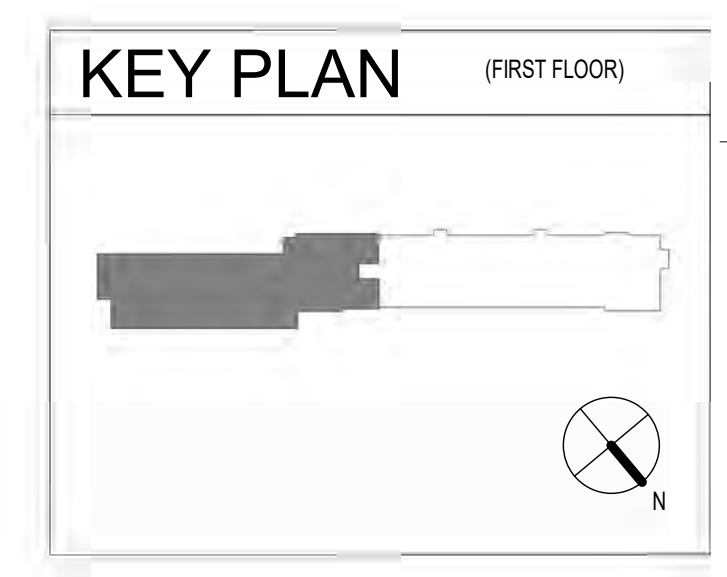
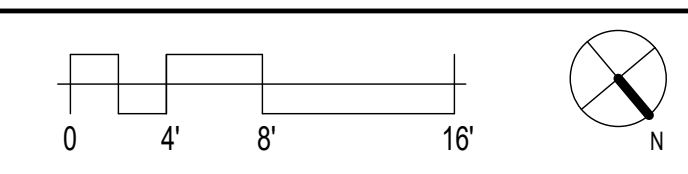
SCALE: 1/8" = 1'-0"



NEW WORK NOTES	
NO.	DESCRIPTION
N1	CONNECT TO EXISTING HOT AND COLD AND HOT WATER RECIRCULATING PIPING AT POINT INDICATED.
N10	3/4" HOT AND COLD WATER DOWN, BRANCH 1/2" HOT AND COLD WATER TO EACH SINK.
N11	CONNECT TO EXISTING HOT AND COLD WATER PIPING ABOVE CEILING AT POINT INDICATED.

FIRST FLOOR - NEW WORK PLAN - DOMESTIC WATER

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



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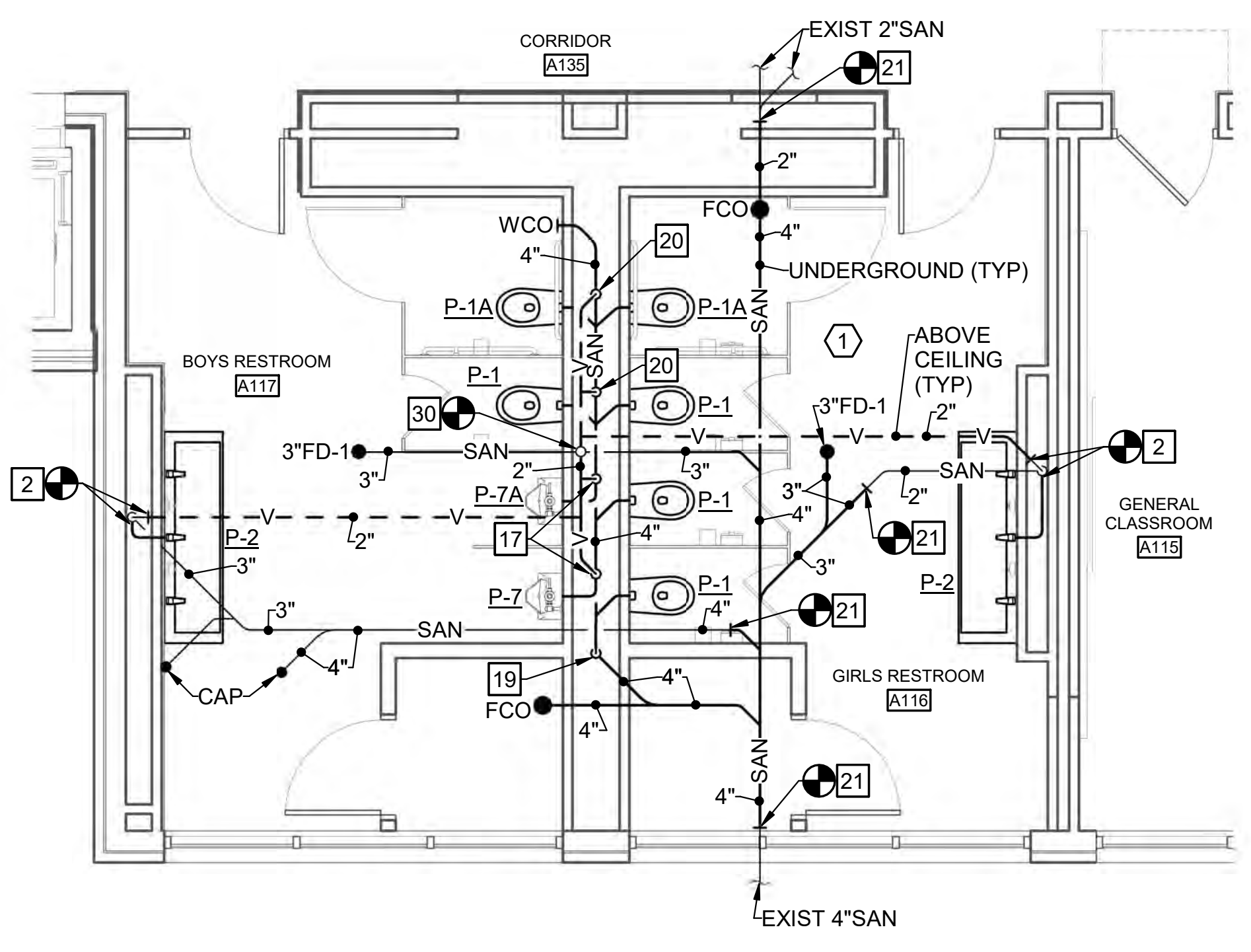
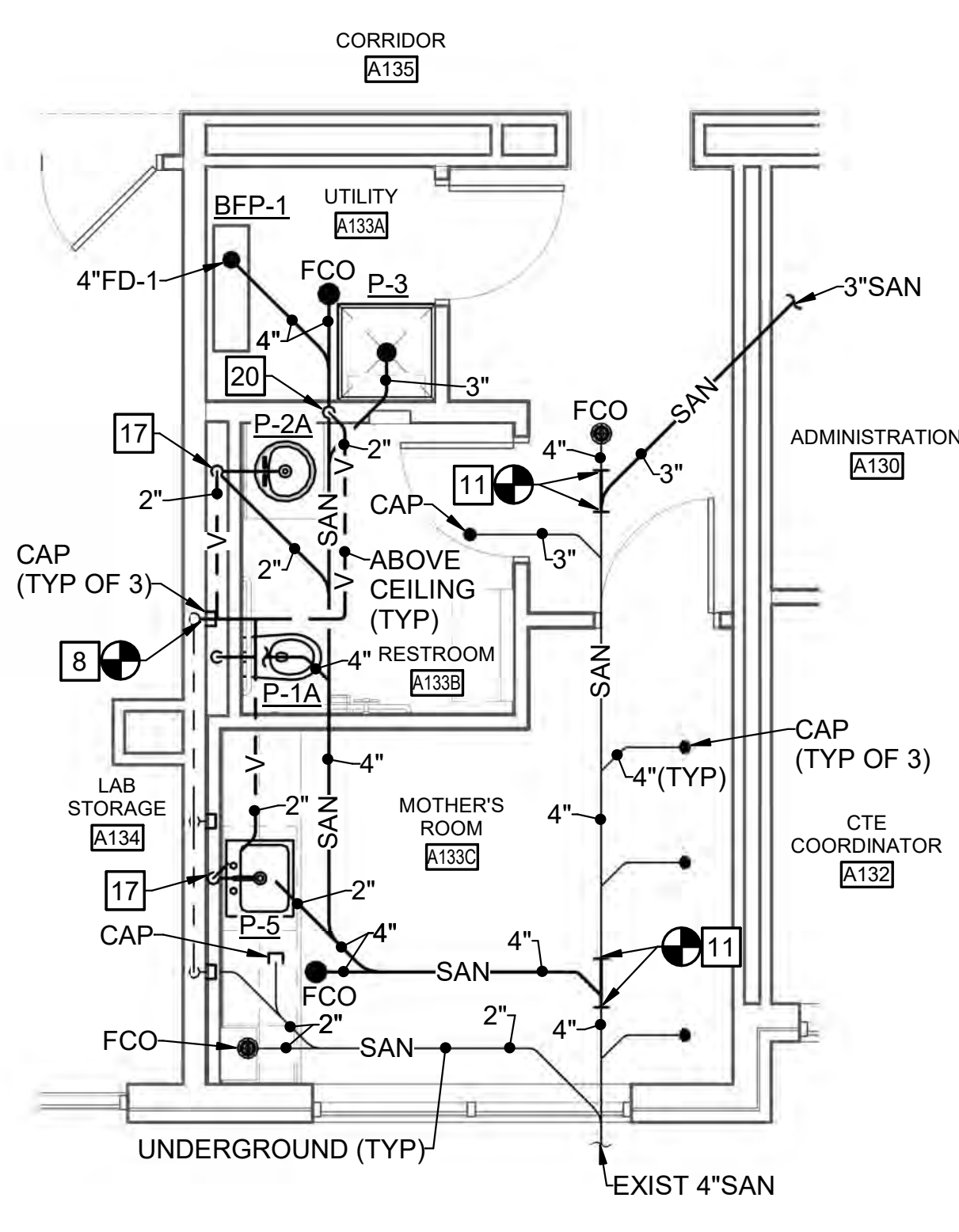
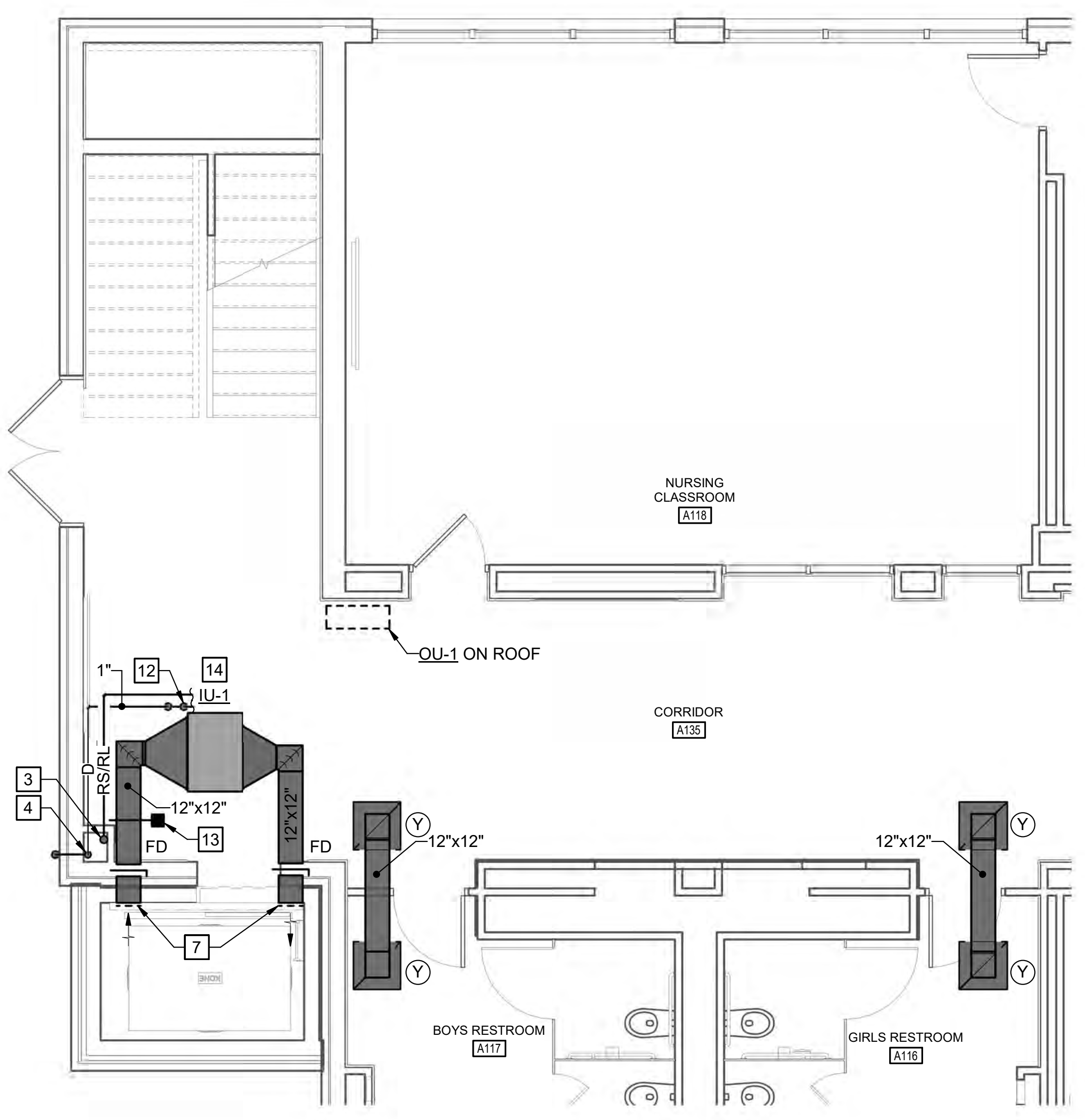


GP #21710

FLOOR PLANS - DEMOLITION & NEW WORK - DOMESTIC WATER
WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD., NEWPORT NEWS, VA 23601

DATE	DESCRIPTION

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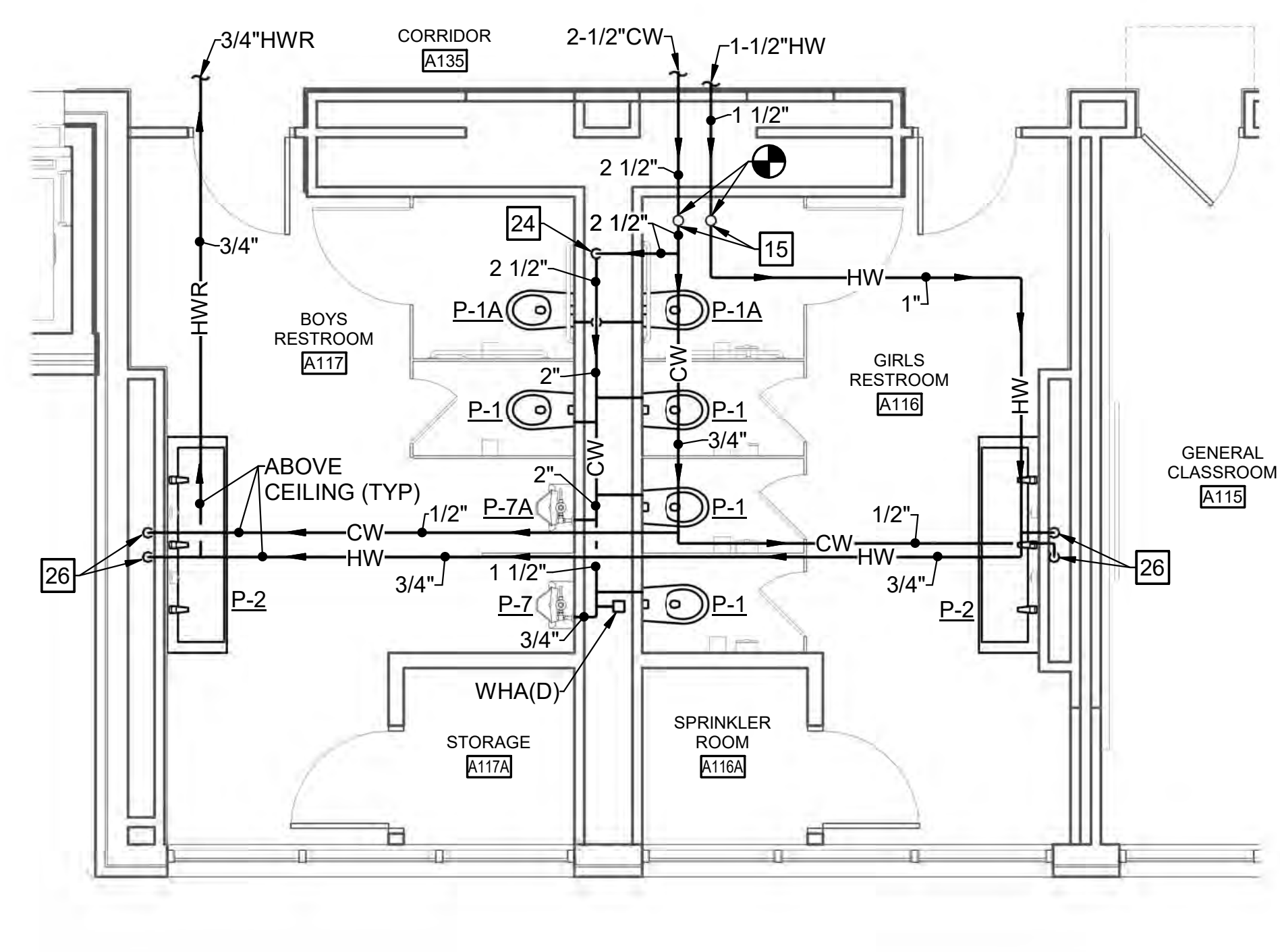
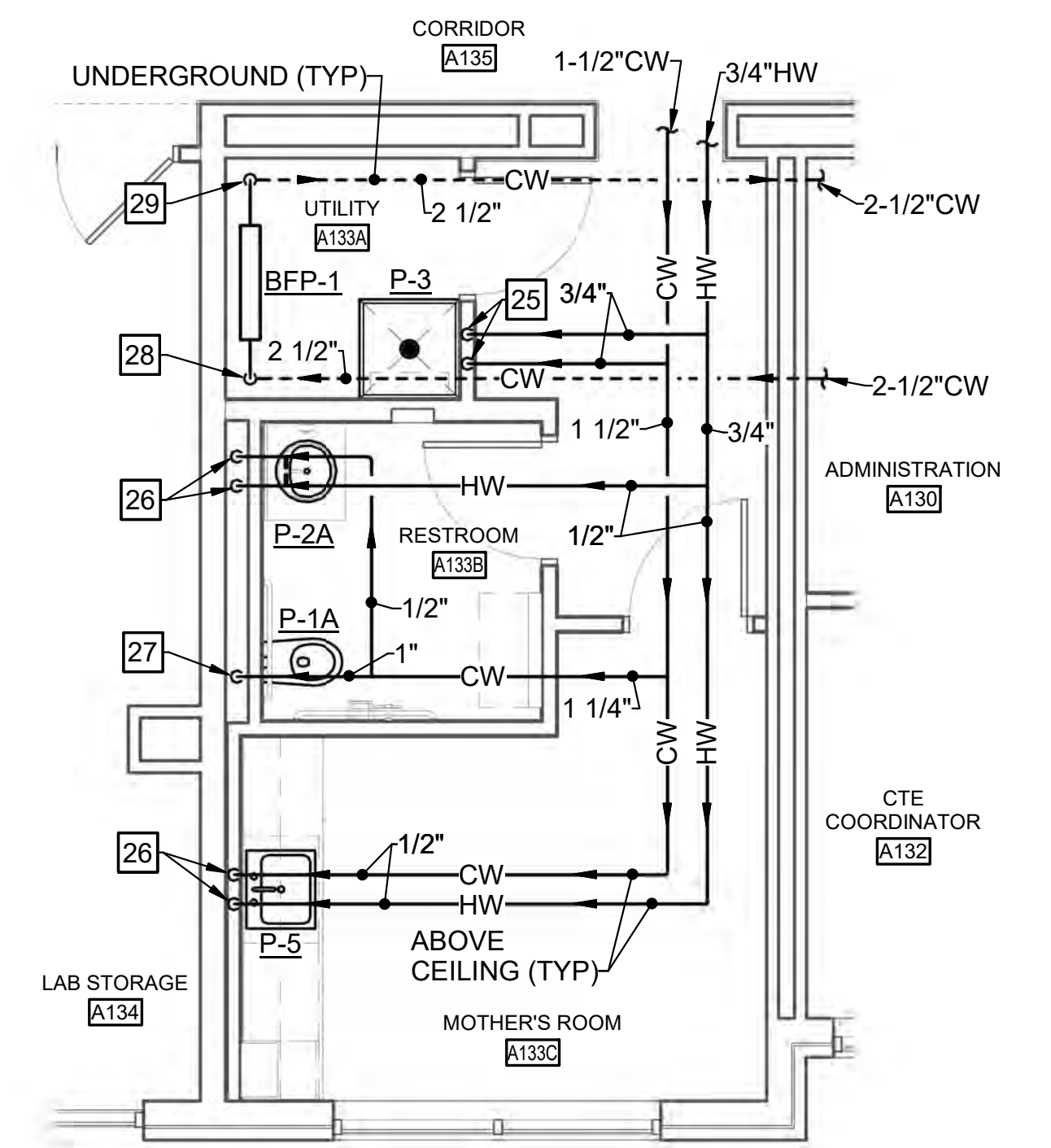
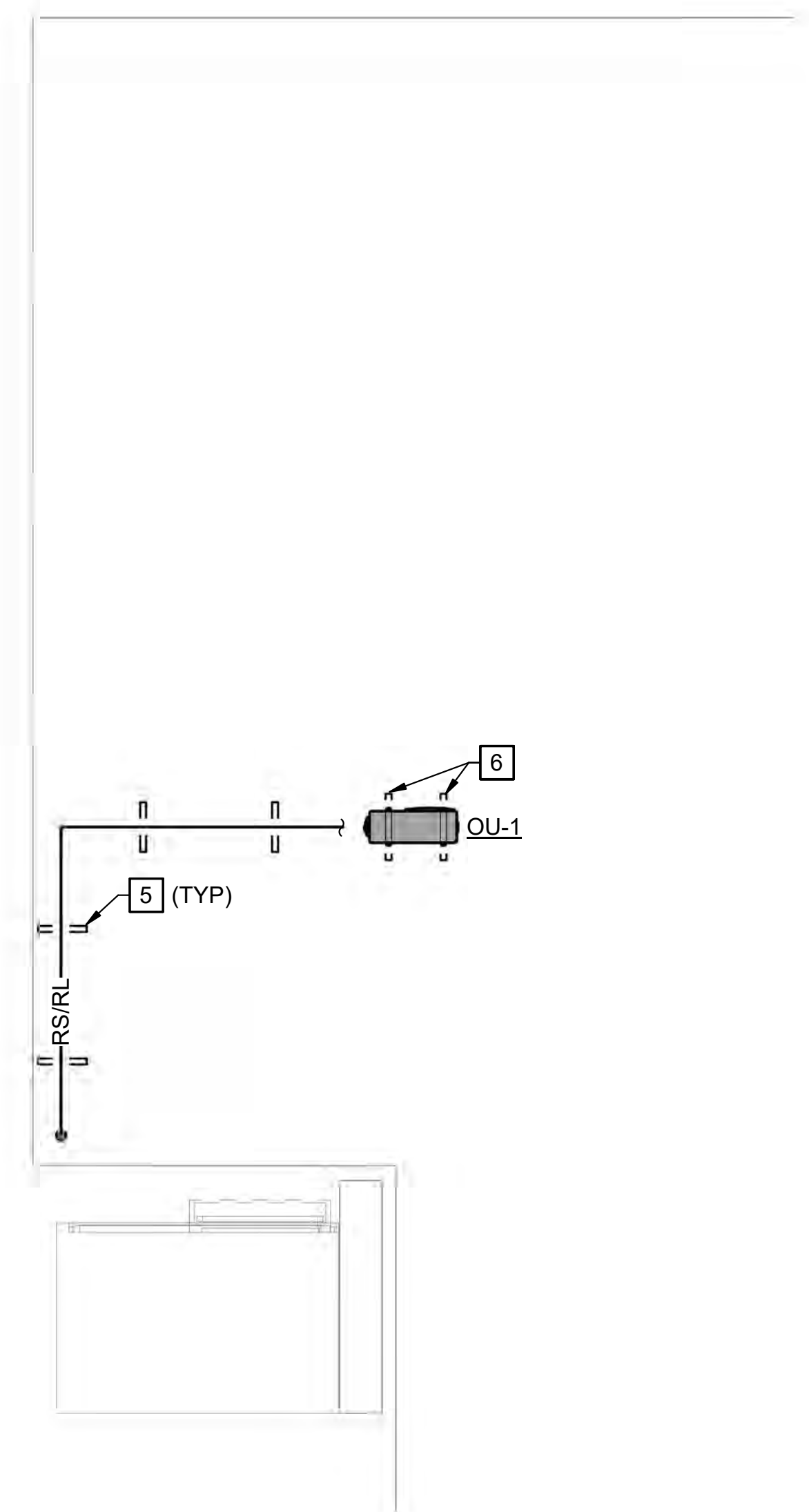


NEW WORK NOTES	
NO.	DESCRIPTION
2	CONNECT TO EXISTING WASTE AND VENT PIPING.
3	ROUTE REFRIGERANT PIPING TO OU-1 ON ROOF. SIZE REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4	ROUTE CONDENSATE DRAIN PIPING DOWN THROUGH EXTERIOR WALL AND TERMINATE ON SPLASH BLOCK. SEAL PENETRATION WATERTIGHT. PAINT EXTERIOR CONDENSATE DRAIN RED TO MATCH EXTERIOR BRICK WALL.
5	REFER TO "PIPE SUPPORT DETAIL" ON DRAWING P4.1.
6	REFER TO "ROOF MOUNTED CONDENSING UNIT DETAIL" ON DRAWING P4.1.
7	PROVIDE 1" X 1" WIRE MESH ON OPEN END OF DUCTWORK.
8	CONNECT NEW 2" VENT TO EXISTING VENT STACK TO SECOND FLOOR.
11	CONNECT TO EXISTING HOT AND COLD WATER PIPING ABOVE CEILING AT POINT INDICATED.
12	REFER TO "COIL CONDENSATE TRAP DETAIL" ON DRAWING P4.1.
13	PROVIDE CONTROLLER TO INTERFACE RETURN DUCT TEMPERATURE SENSOR WITH BAS FOR MONITORING AND ALARM.
14	MOUNT CONTROLLER TO SIDE OF IU ADJACENT TO FACTORY CONTROLS CONNECTION.
15	HOT AND COLD WATER STACK TO SECOND FLOOR TO REMAIN.
17	2" WASTE DOWN, 2" VENT UP.
19	4" WASTE DOWN TO UNDERGROUND.
20	2" VENT UP.
21	CONNECT TO EXISTING WASTE PIPING AT POINT INDICATED.
24	2-1/2" COLD WATER DOWN.
25	3/4" HOT AND COLD WATER DOWN.
26	1/2" HOT AND COLD WATER DOWN.
27	1" COLD WATER DOWN.
28	2-1/2" COLD WATER UP FROM UNDERGROUND.
29	2-1/2" COLD WATER DOWN TO UNDERGROUND.
30	CONNECT TO EXISTING 2" VENT PIPING TO SECOND FLOOR.

ENLARGED PARTIAL FIRST FLOOR - NEW WORK PLAN - MECHANICAL
SCALE: 1/4" = 1'-0"

2 ENLARGED NEW WORK PLAN - DW
SCALE: 1/4" = 1'-0"

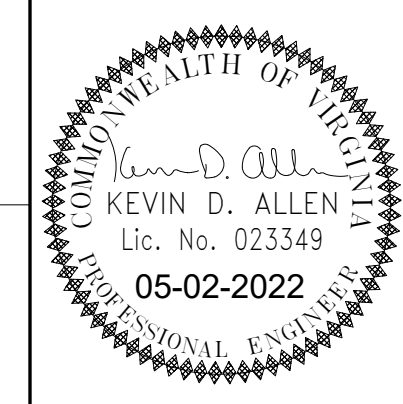
1 ENLARGED NEW WORK PLAN - DW
SCALE: 1/4" = 1'-0"



ENLARGED PARTIAL ROOF PLAN - NEW WORK - MECHANICAL
SCALE: 1/4" = 1'-0"

4 ENLARGED NEW WORK PLAN - DOMESTIC WATER
SCALE: 1/4" = 1'-0"

3 ENLARGED NEW WORK PLAN - DOMESTIC WATER
SCALE: 1/4" = 1'-0"



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GP #21710

ENLARGED PLANS - PLUMBING AND MECHANICAL
WARWICK HEALTH SCIENCES ACADEMY
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DATE	DESCRIPTION

P3.1
6/8/2022
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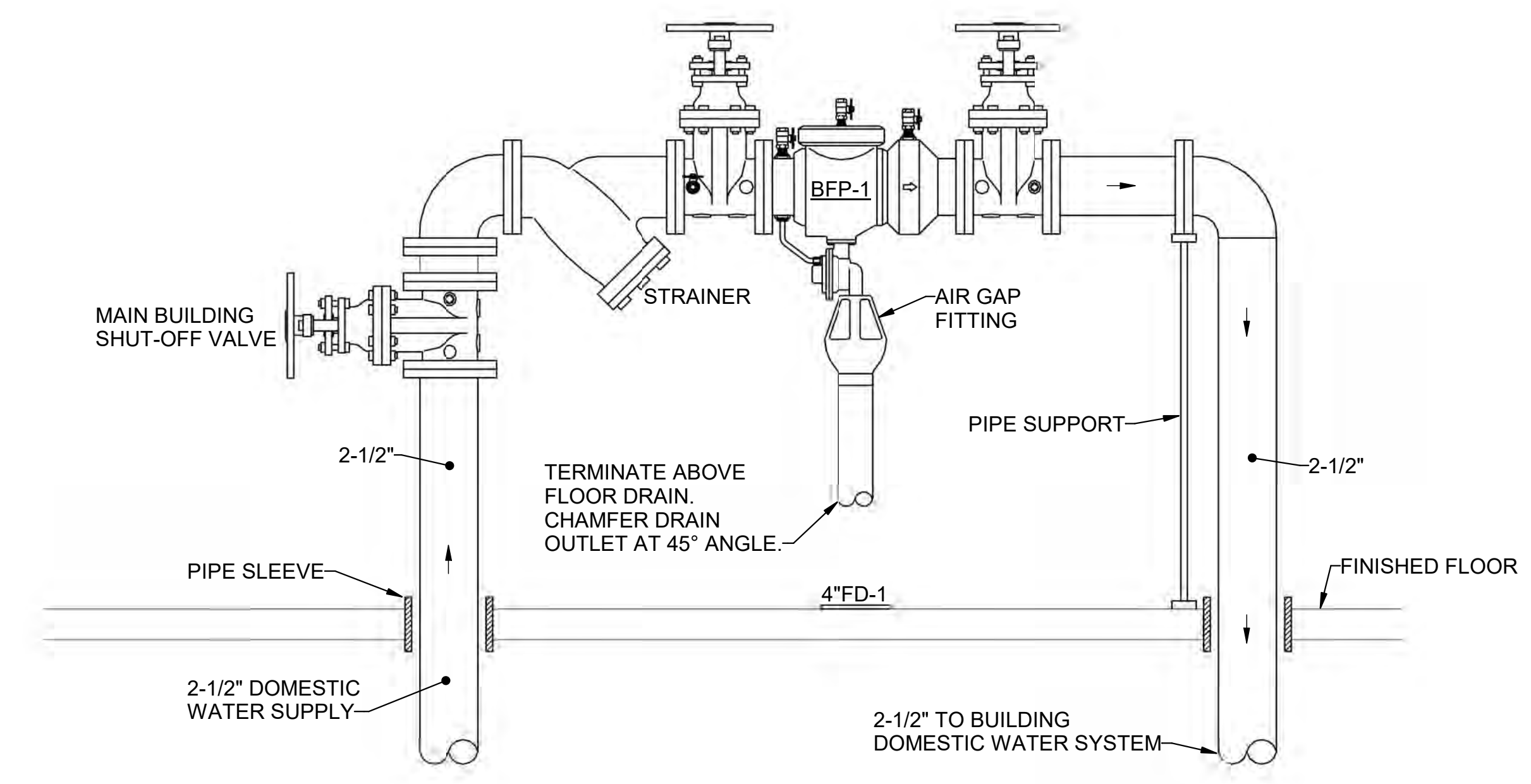
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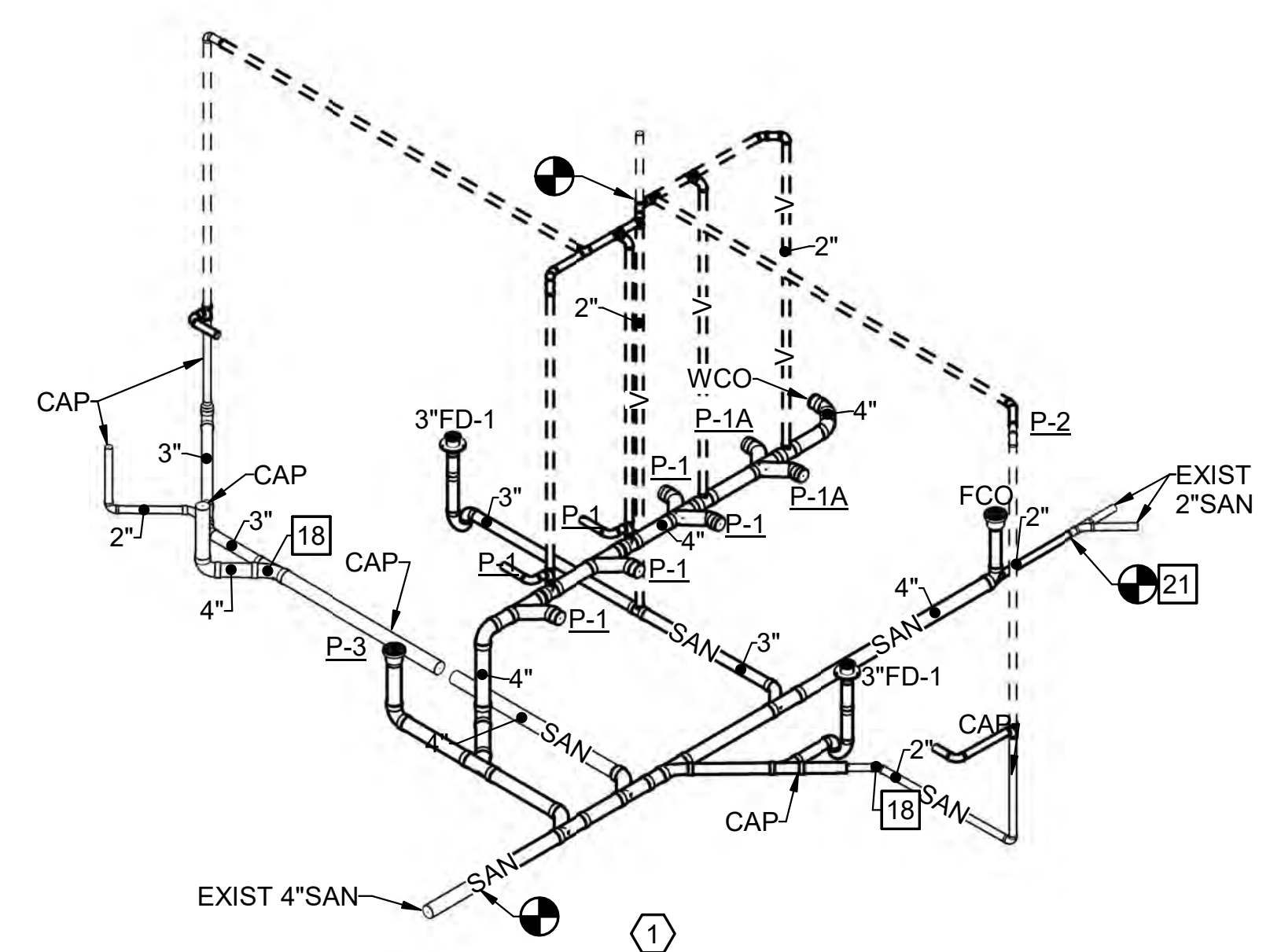
GP #21710

PLUMBING AND MECHANICAL DETAILS
WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD., NEWPORT NEWS, VA 23601

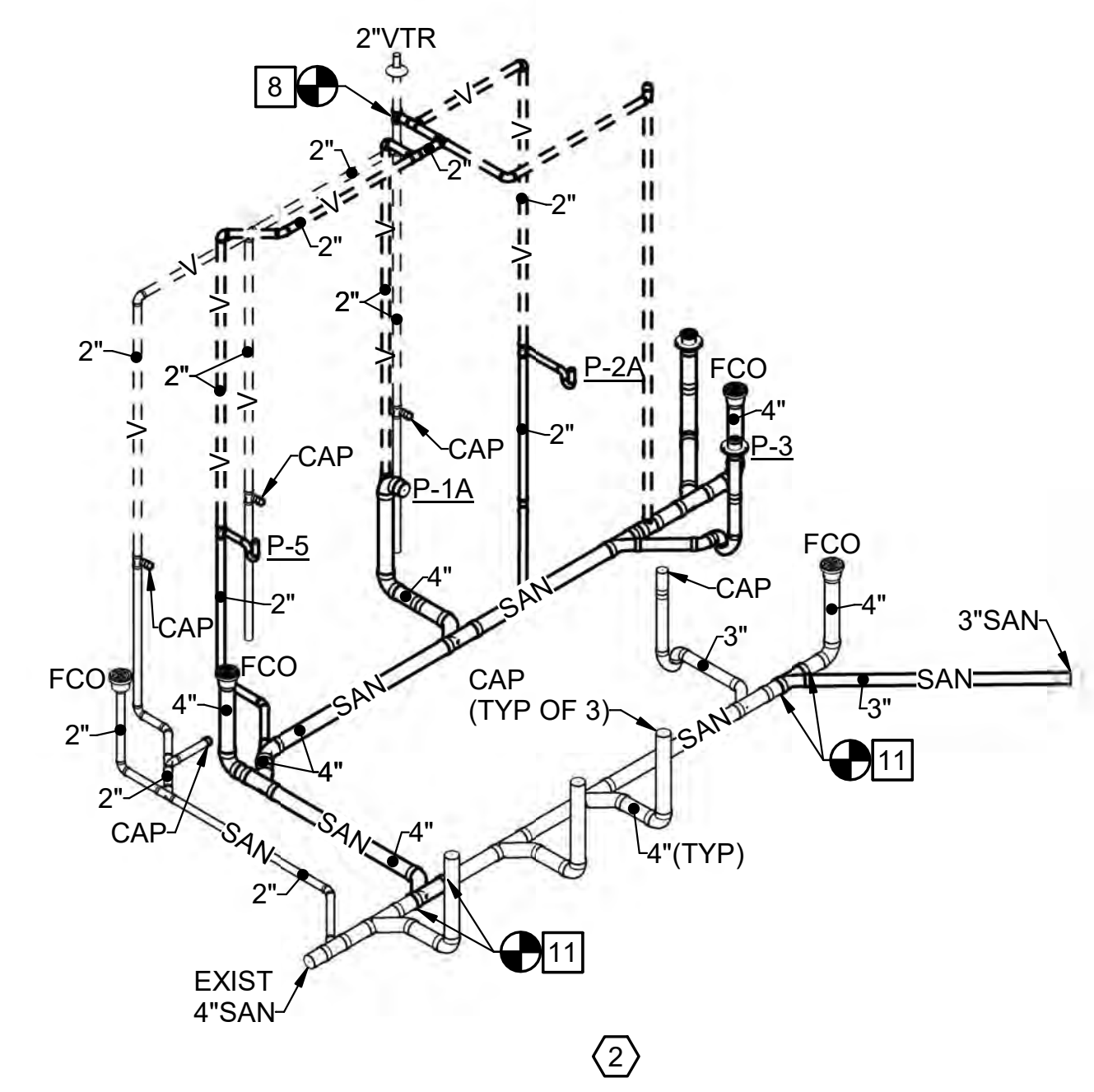
DATE	DESCRIPTION



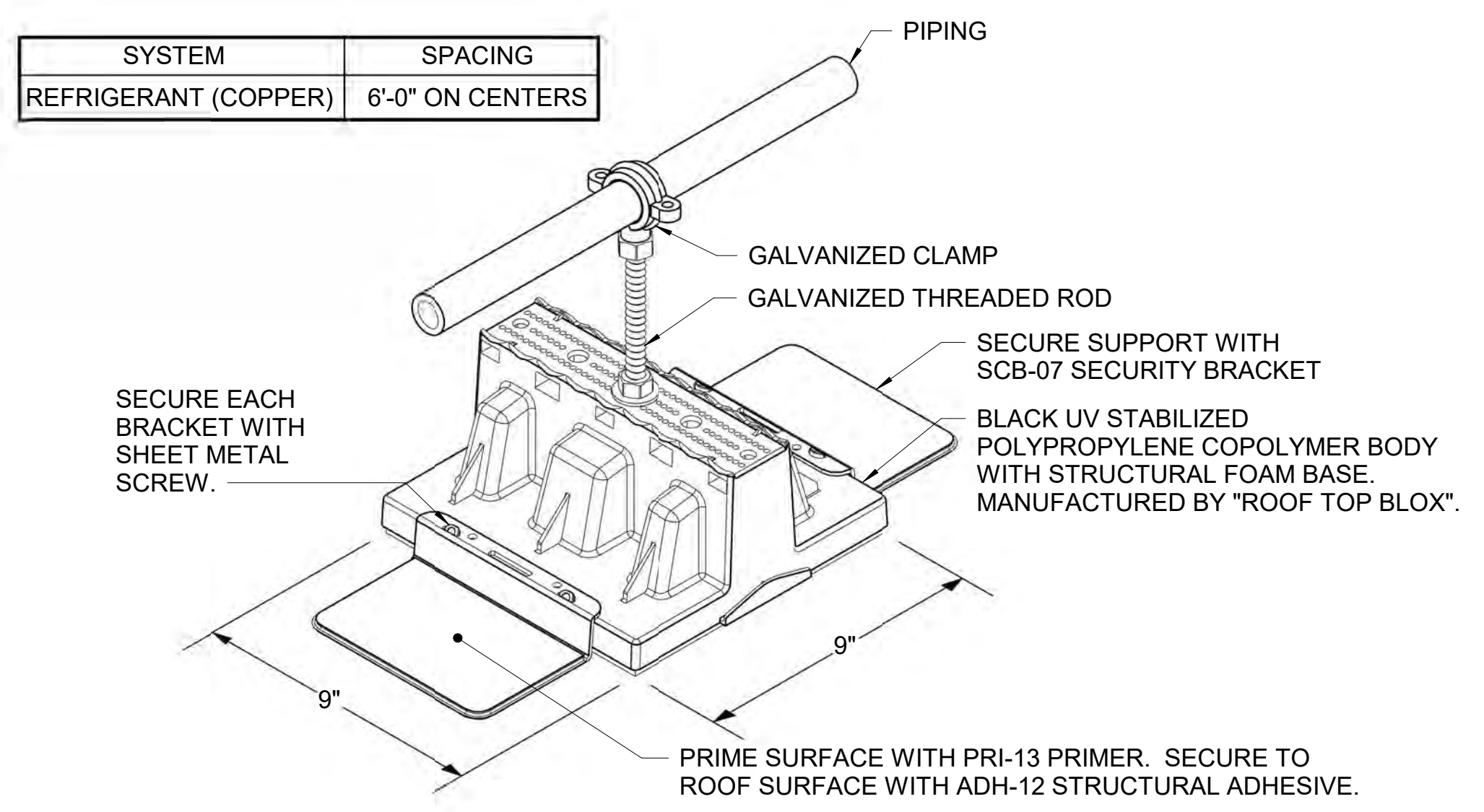
BACKFLOW PREVENTER DETAIL (BFP-1)
NOT TO SCALE



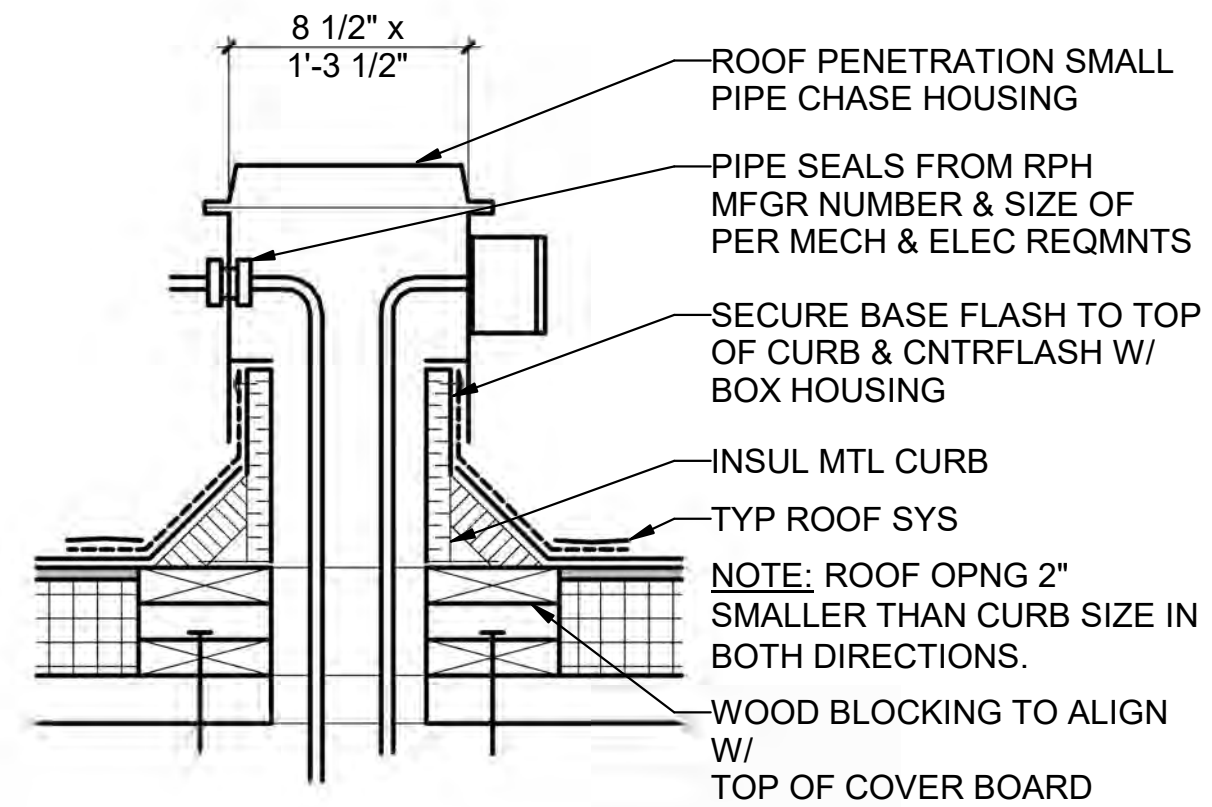
SANITARY WASTE PIPING ISOMETRIC
NOT TO SCALE



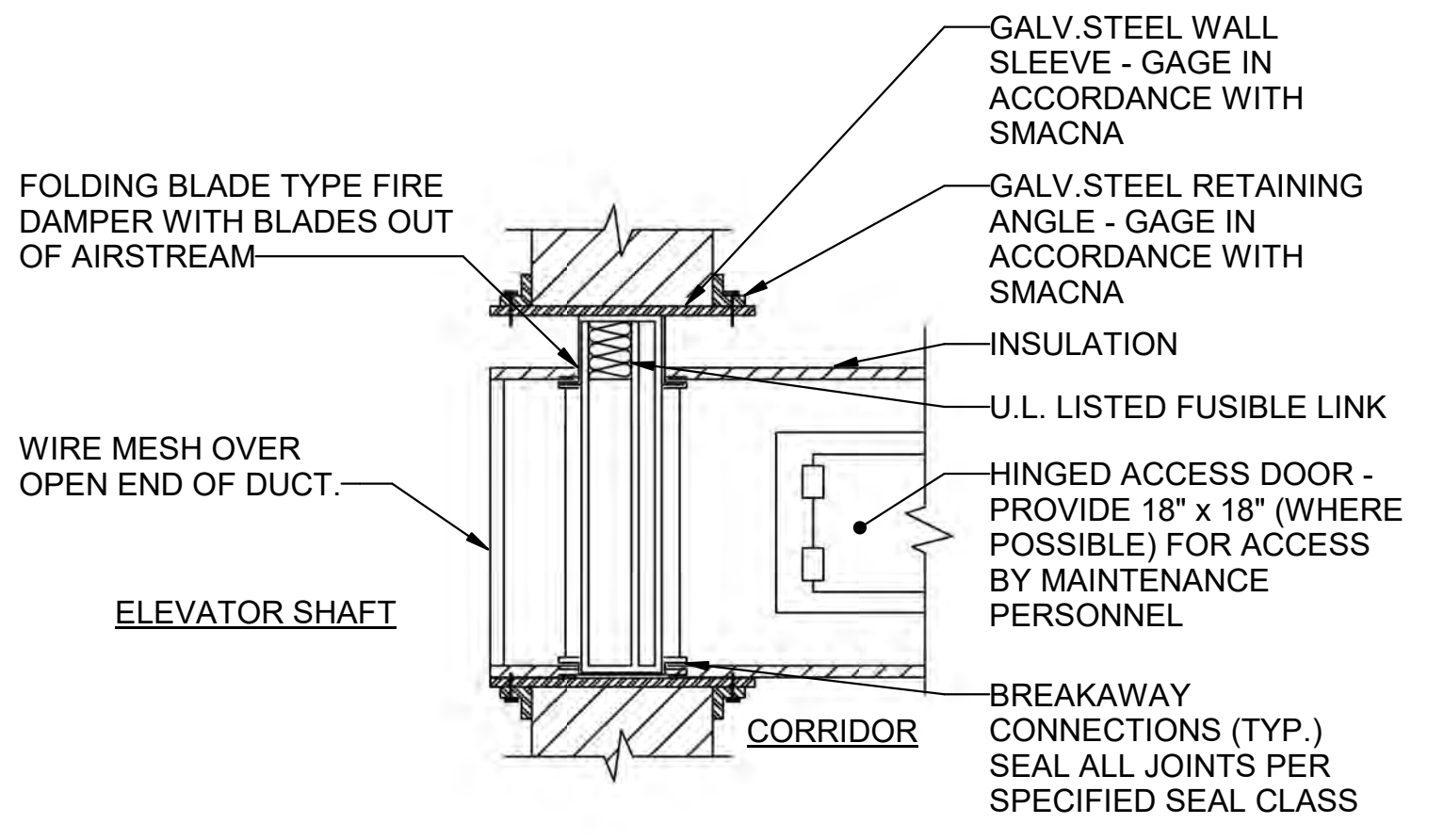
SANITARY WASTE PIPING ISOMETRIC
NOT TO SCALE



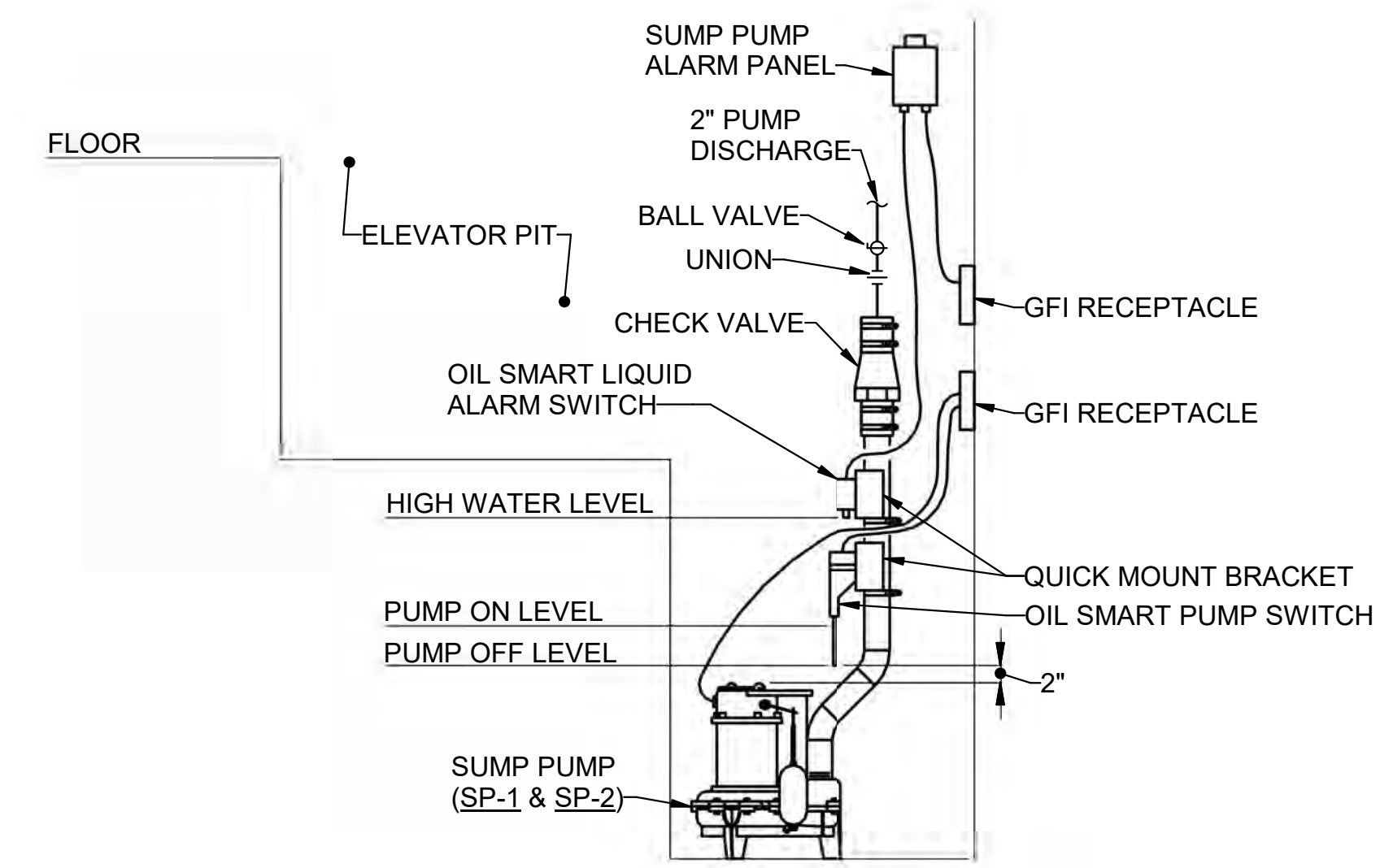
PIPING SUPPORT DETAIL
NOT TO SCALE



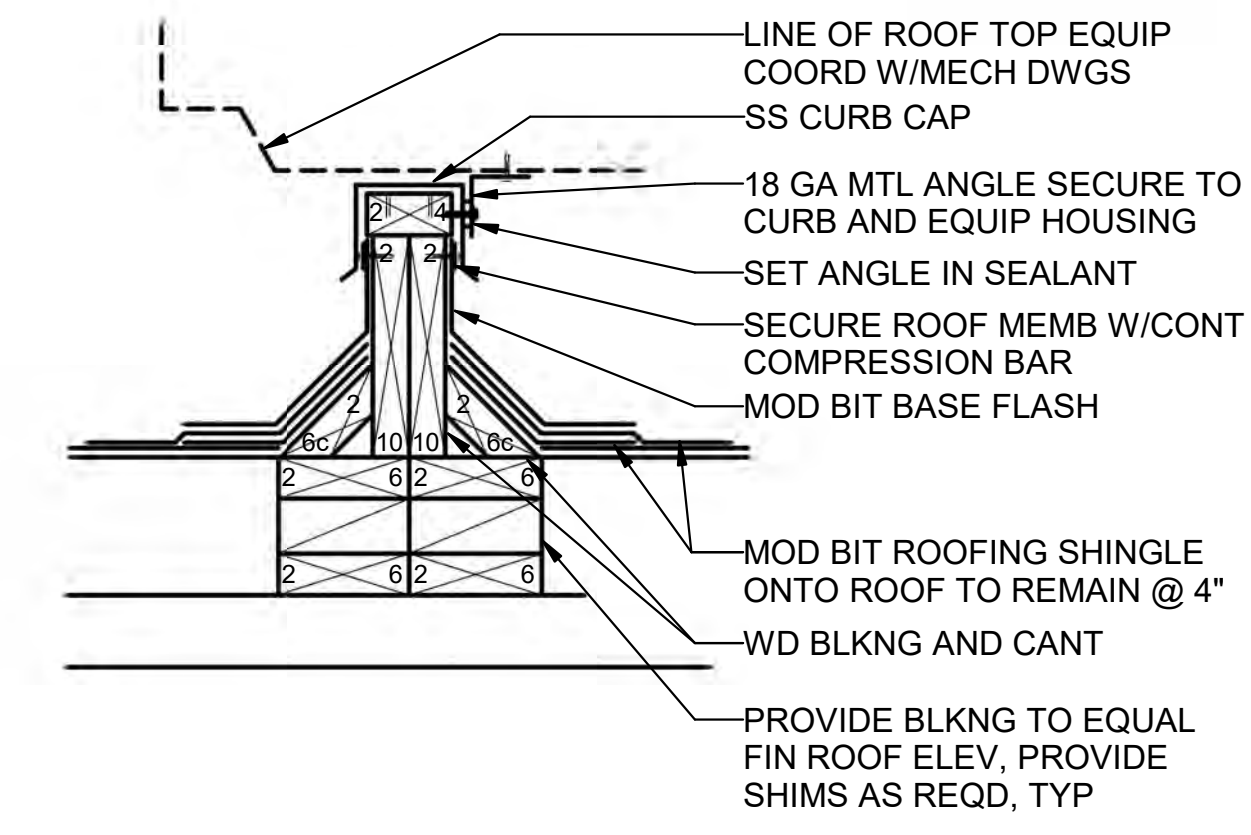
REFRIGERANT PIPE PENETRATION THROUGH ROOF DETAIL
NOT TO SCALE



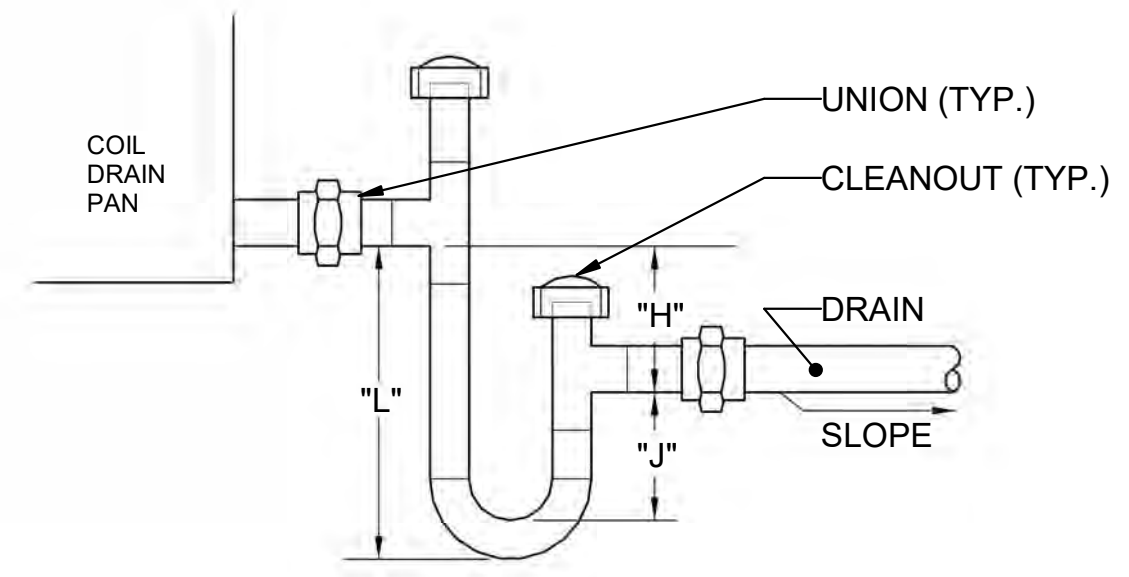
VERTICAL DYNAMIC FIRE DAMPER DETAIL
NOT TO SCALE



ELEVATOR SUMP PUMP DETAIL (SP-1)
NOT TO SCALE

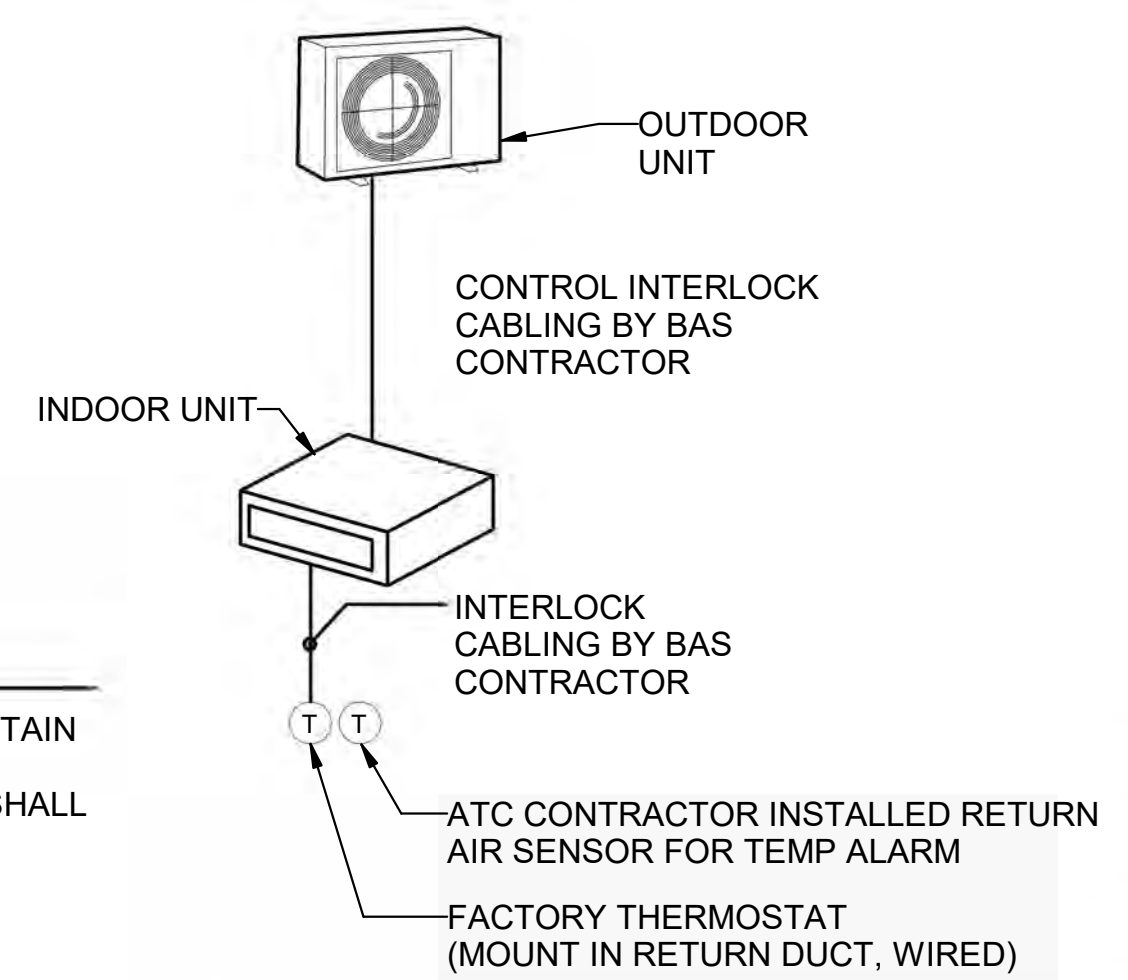


ROOF MOUNTED CONDENSING UNIT DETAIL
NOT TO SCALE



COIL CONDENSATE TRAP DETAIL
NOT TO SCALE

NOTES:
1. "H" = (1" FOR EACH 1" OF MAXIMUM NEGATIVE STATIC PRESSURE) + 1".
2. "J" = HALF OF H.
3. "L" = H + J + PIPE DIAMETER + INSULATION.
4. SIZE TRAP IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.



IU/OU CONTROL DIAGRAM
NOT TO SCALE

IU-1/OU-1 SEQUENCE OF OPERATION

- BUILDING AUTOMATION SYSTEM INTERFACE: SUPPLY FAN SHALL MAINTAIN A CONSTANT SPEED. THE UNIT SHALL RUN BASED ON RETURN AIR TEMPERATURE SENSOR. IF TEMPERATURE EXCEEDS 90°F AN ALARM SHALL BE TRANSMITTED TO THE DDC SYSTEM'S OPERATOR WORKSTATION.
- UNIT IS CONTROLLED BY FACTORY FURNISHED CONTROLS.

DDC LEGEND

- (AI) ANALOG INPUT HARDWARE POINT
- (AO) ANALOG OUTPUT HARDWARE POINT
- (BI) BINARY INPUT HARDWARE POINT
- (BO) BINARY OUTPUT HARDWARE POINT

NO.	DESCRIPTION
8	CONNECT NEW 2" VENT TO EXISTING VENT STACK TO SECOND FLOOR.
11	CONNECT TO EXISTING HOT AND COLD WATER PIPING ABOVE CEILING AT POINT INDICATED.
18	ABANDONED UNDERGROUND WASTE PIPING.
21	CONNECT TO EXISTING WASTE PIPING AT POINT INDICATED.

POINT NAME	HARDWARE POINTS				SOFTWARE POINTS			ALARMS				SHOW ON GRAPHIC
	AI	AO	BI	BO	AV	BV	TREND	NON-CRITICAL ALARM PRIORITY 6	NON-CRITICAL ALARM PRIORITY 5	RENO LESS CRITICAL ALARM PRIORITY 4	RENO LESS CRITICAL ALARM PRIORITY 3	
RETURN AIR TEMPERATURE	X											X
CONDENSATE OVERFLOW PROTECTION			X									X

IU-1/OU-1 POINTS LIST

System No. C-AJ-1226. Includes tables for ANSUL1479 (ASTM E814) and CANULC S115, and a cross-section diagram labeled SECTION A-A.

System No. C-AJ-1226. Includes text describing the firestop system and a cross-section diagram labeled SECTION A-A.

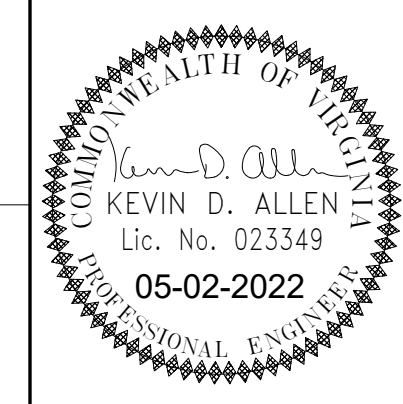
System No. C-AJ-1513. Includes tables for ANSUL1479 (ASTM E814) and CANULC S115, and a cross-section diagram labeled SECTION A-A.

System No. C-AJ-2109. Includes tables for F Ratings and L Rating at Ambient, and a cross-section diagram labeled SECTION A-A.

System No. C-AJ-5091. Includes a table for Pipe Type, Nom Pipe Diam, and F Rating, and a cross-section diagram labeled SECTION A-A.

System No. C-AJ-5091. Includes a table for F Ratings and L Rating at Ambient, and a cross-section diagram labeled SECTION A-A.

System No. C-AJ-5091. Includes text describing the firestop system and a cross-section diagram labeled SECTION A-A.



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GP #21710

FIRESTOP DETAILS WARRICK HEALTH SCIENCES ACADEMY 1241 GATEWOOD RD., NEWPORT NEWS, VA 23601

Table with 2 columns: DATE, DESCRIPTION.

P4.2 6/8/2022 BID SET

System No. C-AJ-1226

ANSIUL1479 (ASTM E814)	CANULC S115
F Rating — 3 Hr	F Rating — 3 Hr
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating At Ambient — Less Than 1 CFM/sq ft	FH Rating — 3 Hr
L Rating At 400 F — 4 CFM/sq ft	FTH Rating — 0 Hr
L Rating At Ambient — Less Than 1 CFM/sq ft	L Rating At Ambient — Less Than 1 CFM/sq ft
L Rating At 400 F — 4 CFM/sq ft	L Rating At 400 F — 4 CFM/sq ft

SECTION A-A

- Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 32 in. (813 mm).
- Metallic Sleeve — (Optional) Nom 32 in. (813 mm) diam (or smaller) Schedule 40 (or heavier) steel sleeve cast or grouted into floor or wall assembly. Flush with floor or wall surfaces or extending a max of 3 in. (76 mm) above floor or beyond both surfaces of wall.
- Sheet Metal Sleeve — (Optional) Max 6 in. (152 mm) diam, min 26 ga. galv steel provided with a 26 ga galv steel square flange spot welded to the sleeve at approx mid-height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. (51 mm) larger than the sleeve diam. The sleeve is to be cast in place and may extend a max of 4 in. (102 mm) below the bottom of the deck and a max of 1 in. (25 mm) above the top surface of the concrete floor.
- Sheet Metal Sleeve — (Optional) - Max 12 in. (305 mm) diam, min 24 ga galv steel provided with a 24 ga galv steel square flange spot welded to the sleeve at approx mid-height, or flush with bottom of sleeve in floors, and sized to be a min of 2 in. (51 mm) larger than the sleeve diam. The sleeve is to be cast in place and may extend a max of 4 in. (102 mm) below the bottom of the deck and a max of 1 in. (25 mm) above the top surface of the concrete floor.
- Through-Penetrant — One metallic pipe, tube or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between penetrant and periphery of opening shall be min 0 in. (point contact) to max 1-7/8 in. (48 mm). Penetrant may be installed with continuous point contact. Penetrant to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic penetrants may be used:
 - A. Steel Pipe — Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - B. Iron Pipe — Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.
 - C. Copper Pipe — Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.
 - D. Copper Tubing — Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.
 - E. Conduit — Nom 6 in. (152 mm) diam (or smaller) steel conduit.
 - F. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT).

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Page: 1 of 2

System No. C-AJ-1226

4. Firestop System — The firestop system shall consist of the following:

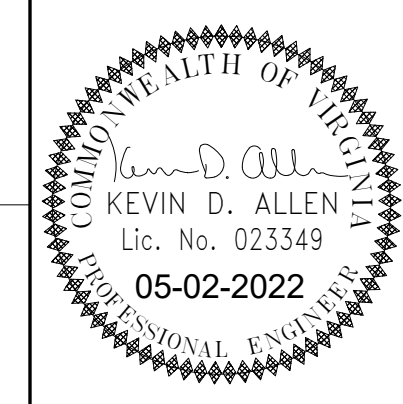
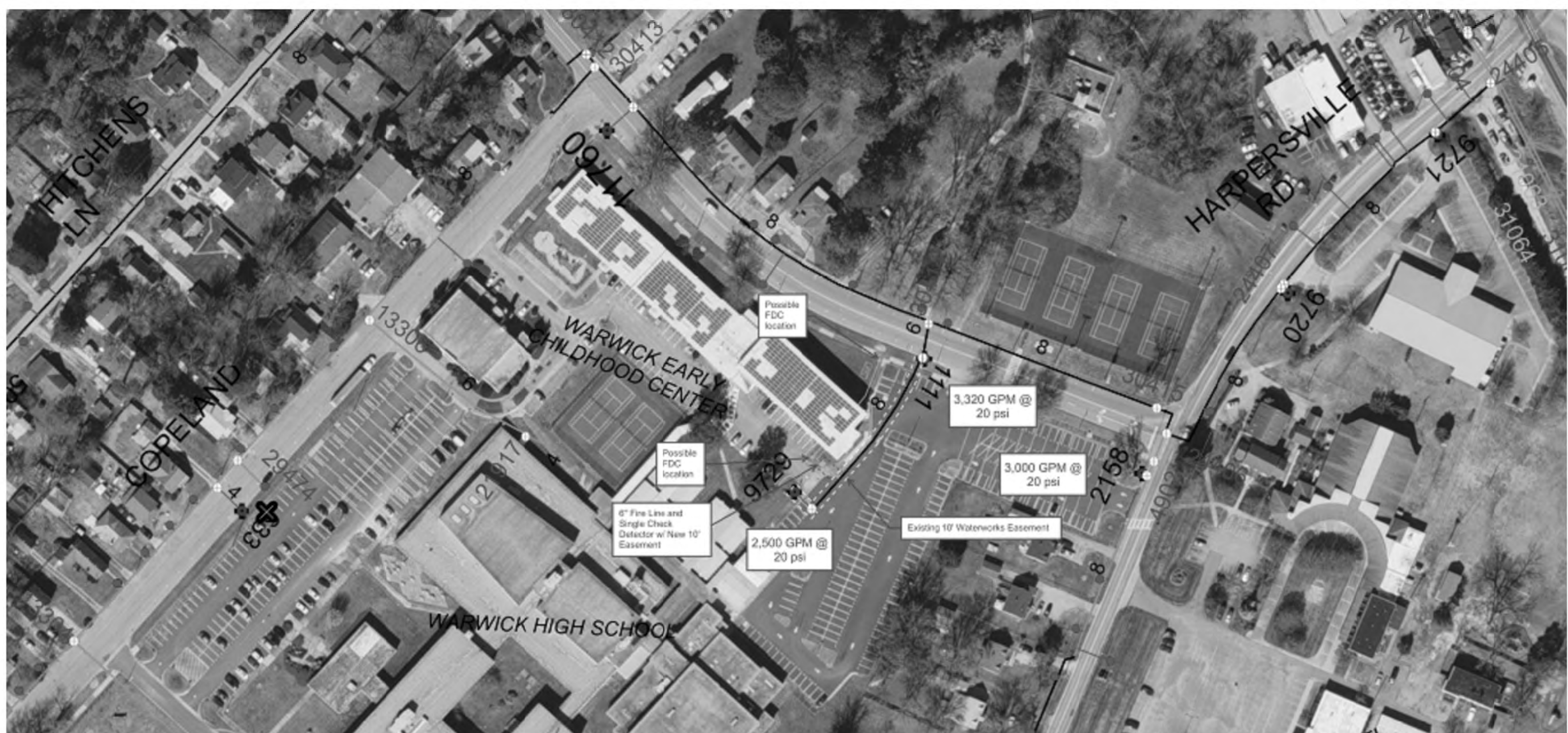
- Packing Material — Min 4 in. (102 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or sleeve or from both surfaces of wall or sleeve as required to accommodate the required thickness of fill material.
- Fill, Void or Cavity Material* — Sealant — Min 1/4 in. (6 mm) thickness of fill material applied within the annulus, flush with top surface of floor or sleeve or with both surfaces of wall or sleeve. At the point or continuous contact locations between penetrant and concrete or sleeve, a min 1/4 in. (6 mm) diam bead of fill material shall be applied at the concrete or sleeve/pipe penetrant interface on the top surface of floor and on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant or FS-One MAX Intumescent Sealant
* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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Page: 2 of 2



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GP #21710

LEGEND, NOTES, & ABBREVIATIONS
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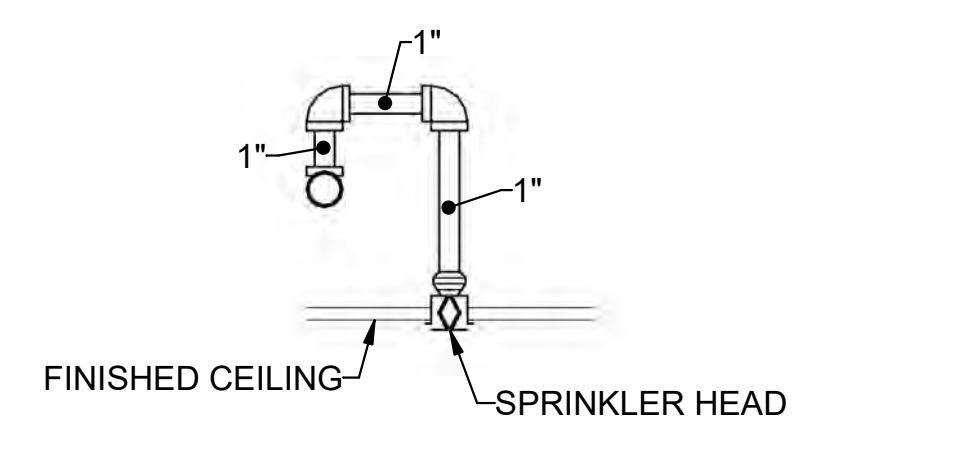
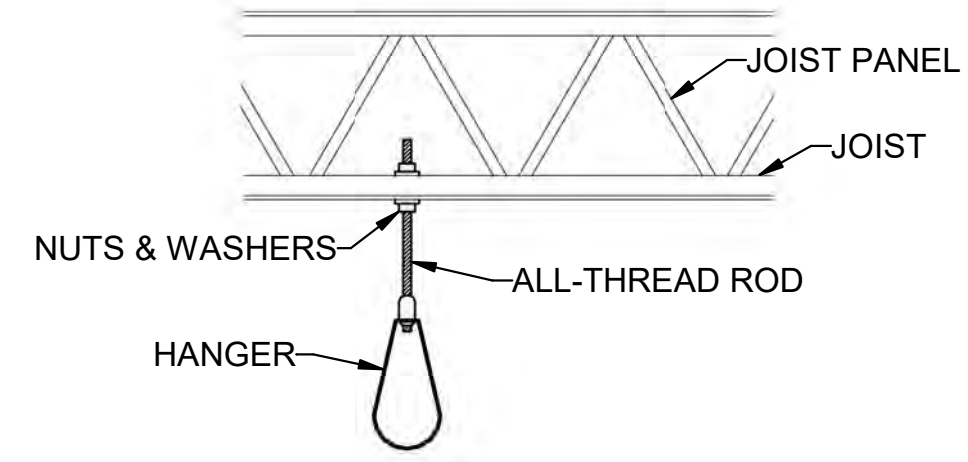
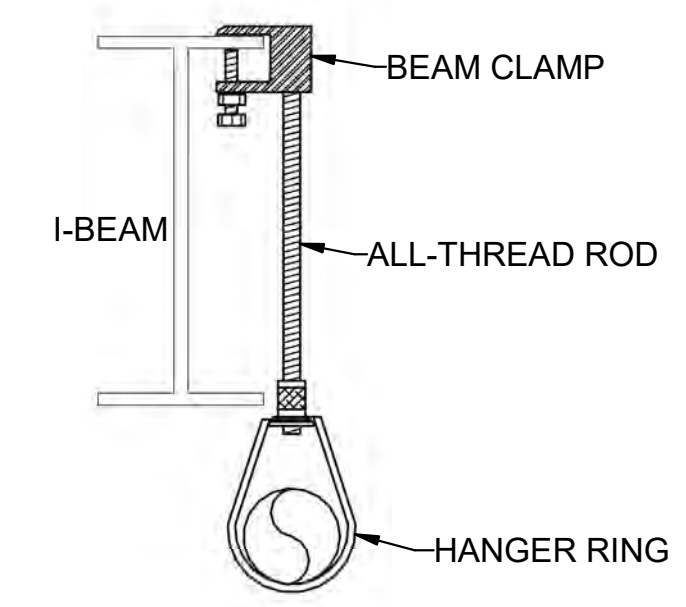
DATE	DESCRIPTION

DATE	DESCRIPTION

SP0.1
6/8/2022
BID SET

RISER NOTES

- | | |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| ① 6" FIRE MAIN | ⑪ ELECTRIC BELL PROVIDED BY DIVISION 28. |
| ② PIPE SLEEVE | ⑫ DRAIN 12" ABOVE FINISHED FLOOR FROM BACKFLOW PREVENTER. TERMINATE WITH J.R. SMITH 1770-BS DOWNSPOUT NOZZLE. |
| ③ ROD AND ANCHOR PER NFPA-24, FIGURE 96-39 (PAINT UNDERGROUND THREADED ROD AND NUTS WITH MASTIC) | ⑬ CONCENTRIC REDUCER |
| ④ BUTTERFLY VALVE WITH TAMPER SWITCH | ⑭ THRUST BLOCK |
| ⑤ PIPE SUPPORT AS REQUIRED | ⑮ SUPPLY PRESSURE GAUGE |
| ⑥ REDUCED PRESSURE BACKFLOW PREVENTER WILKINS MODEL 475V-BF SERIES | ⑯ MAIN DRAIN ANGLE VALVE |
| ⑦ AIR GAP FITTING | ⑰ FLOW SWITCH |
| ⑧ WET PIPE RISER CHECK VALVE AND TRIM | ⑱ SYSTEM PRESSURE GAUGE |
| ⑨ MAIN SYSTEM DRAIN | ⑲ 4" FROM FIRE DEPARTMENT CONNECTION |
| ⑩ CHECK VALVE | ⑳ SPLASH BLOCK |

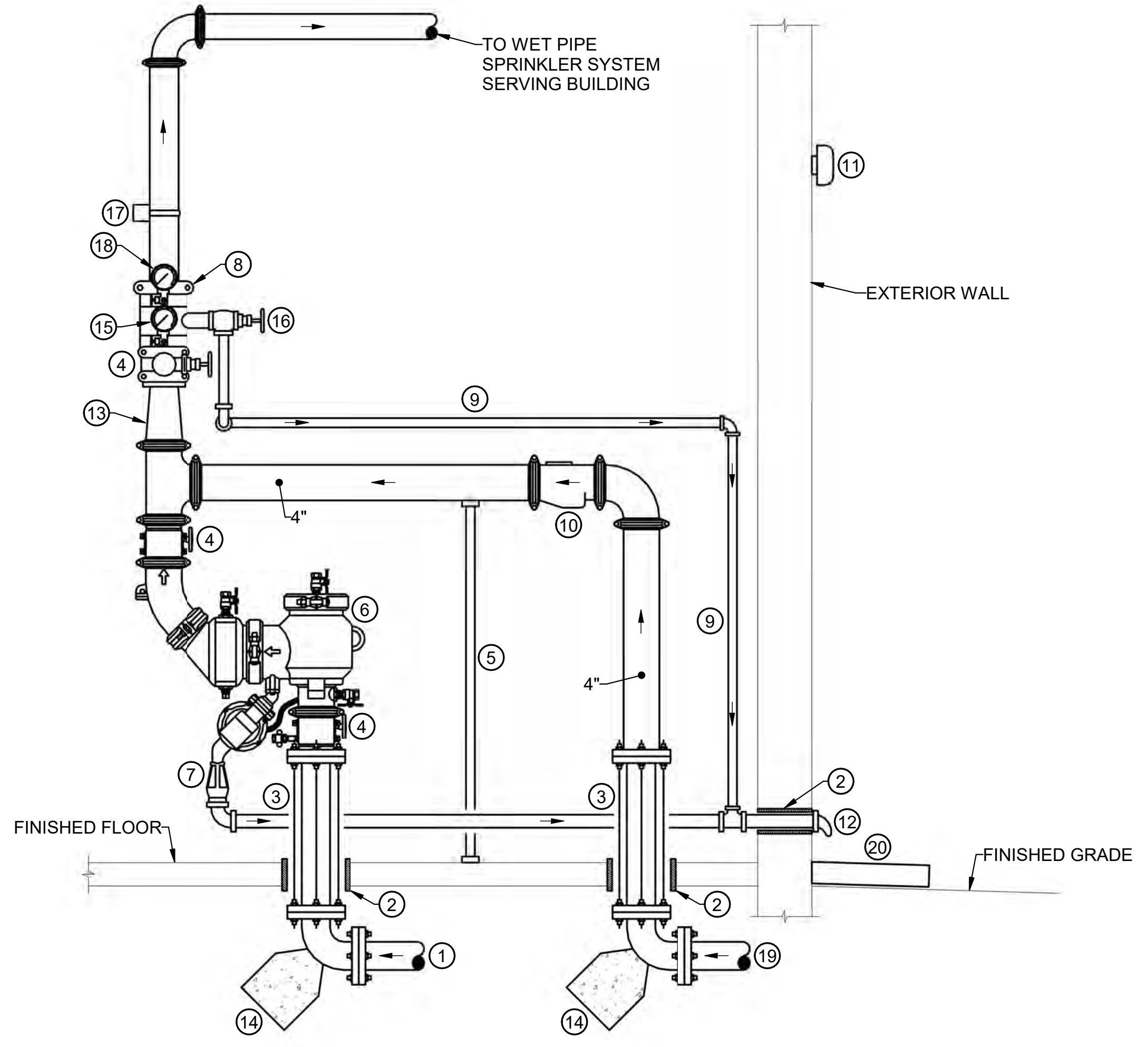


LEGEND

- F--- FIRE PROTECTION UNDERGROUND PIPING
- c PIPE DOWN
- SPACE PROTECTION BASED ON LIGHT HAZARD OCCUPANCY: 0.10 GPM/SF
- ▨ SPACE PROTECTION BASED ON ORDINARY HAZARD GROUP I OCCUPANCY: 0.15 GPM/SF
- ▩ SPACE PROTECTION BASED ON ORDINARY HAZARD GROUP II OCCUPANCY: 0.20 GPM/SF
- ▧ MOST REMOTE AREA (BCOM ONLY)

GENERAL NOTES

- ALL WORK SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF NFPA.
- COORDINATE LOCATION OF SPRINKLER HEADS AND PIPING WITH ALL TRADES, INCLUDING LIGHTS, MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTWORK AND DIFFUSERS. COMPLY WITH ALL CLEARANCE REQUIREMENTS REQUIRED BY THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE. SEE ELECTRICAL DRAWINGS FOR LOCATION OF ALL EQUIPMENT.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING HEIGHTS, TYPES, EXPOSED LOCATION AND SLOPED CEILINGS. COORDINATE PIPE ROUTINGS WITH THE REFLECTED CEILING PLANS.
- IN AREAS WITH "FLOATING" CEILINGS THAT DO NOT EXTEND TO THE WALL AND CEILINGS THAT CONTAIN OPEN BREAKS IN THEM, THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE LATEST VERSION OF NFPA'S REQUIREMENTS FOR SPRINKLERING ABOVE AND BELOW SUCH PARTIAL CEILING.
- ALL SPRINKLER PIPING LOCATED IN EXPOSED CEILING CONSTRUCTION AREAS TO BE INSTALLED ABOVE BOTTOM CHORD OF JOISTS AND ABOVE CEILING IN AREAS WITH CEILINGS.
- LOCATION OF ALL SPRINKLER SYSTEM DRAINS SHALL BE COORDINATED WITH ARCHITECT AND INDICATED ON SPRINKLER SYSTEM SHOP DRAWINGS.
- SPRINKLER SYSTEM INSPECTOR'S TEST TO BE LOCATED IN JANITOR'S CLOSETS, UNFINISHED MECHANICAL AREAS, OR IN A CHASE WITH ACCESS DOOR. LOCATION OF INSPECTOR'S TEST TO BE COORDINATED WITH ARCHITECT AND INDICATED ON SPRINKLER SYSTEM SHOP DRAWINGS.
- SPRINKLER PIPING, FITTINGS AND ACCESSORIES SHALL BE CONCEALED, UNLESS OTHERWISE NOTED. ANY EXPOSED PIPING IN FINISHED AREAS SHALL BE COORDINATED AND APPROVED BY THE ARCHITECT AND INDICATED ON THE SPRINKLER SYSTEM DRAWINGS PRIOR TO INSTALLATION.

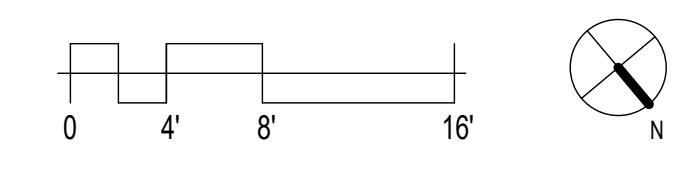


THE FIRE SPRINKLER WORK IS TO BE DONE UNDER A PERFORMANCE SPECIFICATION. THE NEW PIPING DRAWINGS ARE DIAGRAMMATIC ONLY. THE CONTRACTOR SHALL PROVIDE WORKING DRAWINGS ACCORDING TO SPECIFICATIONS. THE COMPLETED SYSTEM SHALL BE HYDRAULICALLY DESIGNED AND CALCULATED.



FIRST FLOOR - NEW WORK PLAN - SPRINKLER

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



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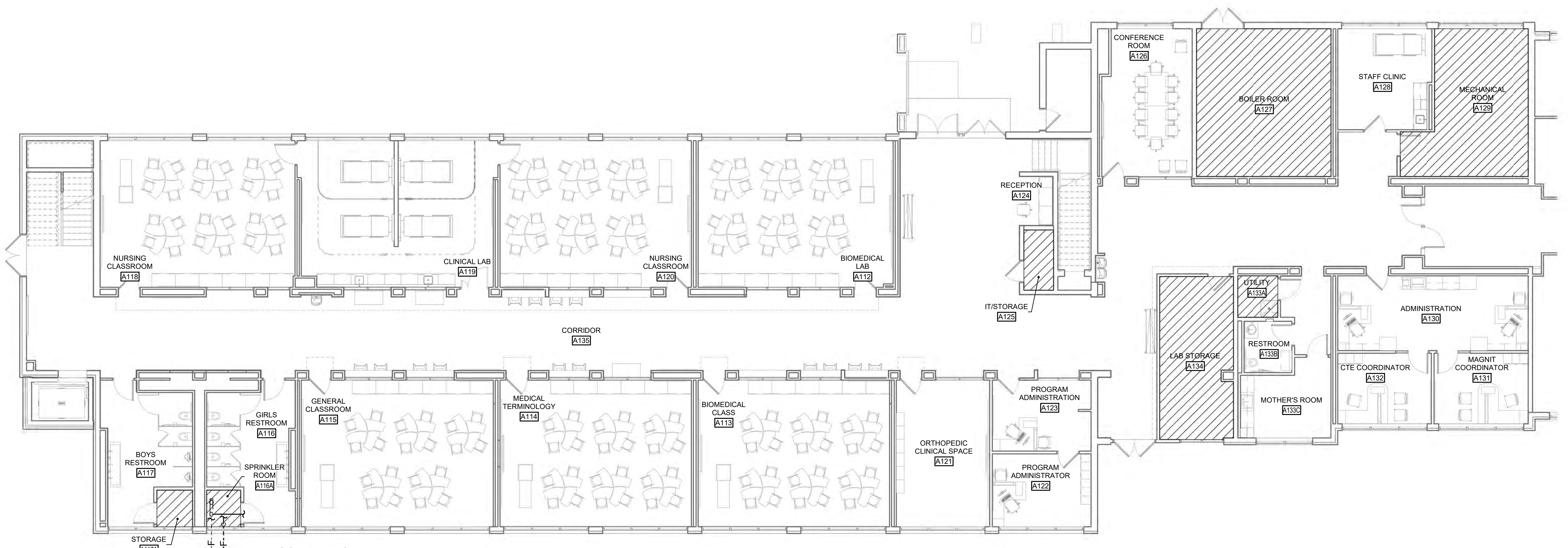


GP #21710

FIRST FLOOR PLANS - NEW WORK - SPRINKLER
WARWICK HEALTH SCIENCES ACADEMY
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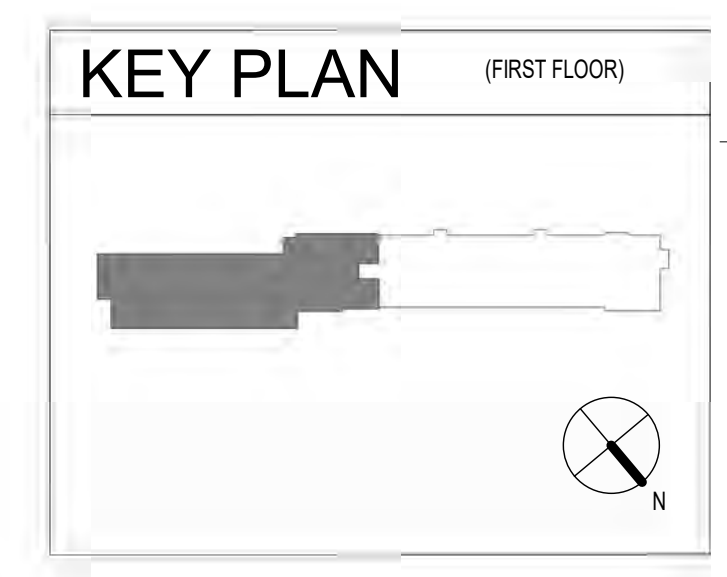
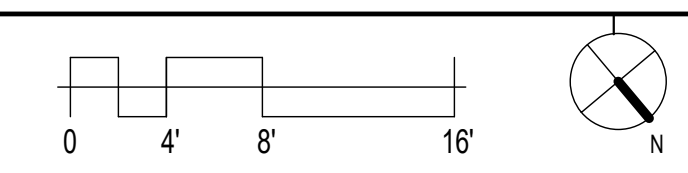
DATE	DESCRIPTION

SP1.1
6/8/2022
BID SET



FIRST FLOOR - NEW WORK PLAN - SPRINKLER

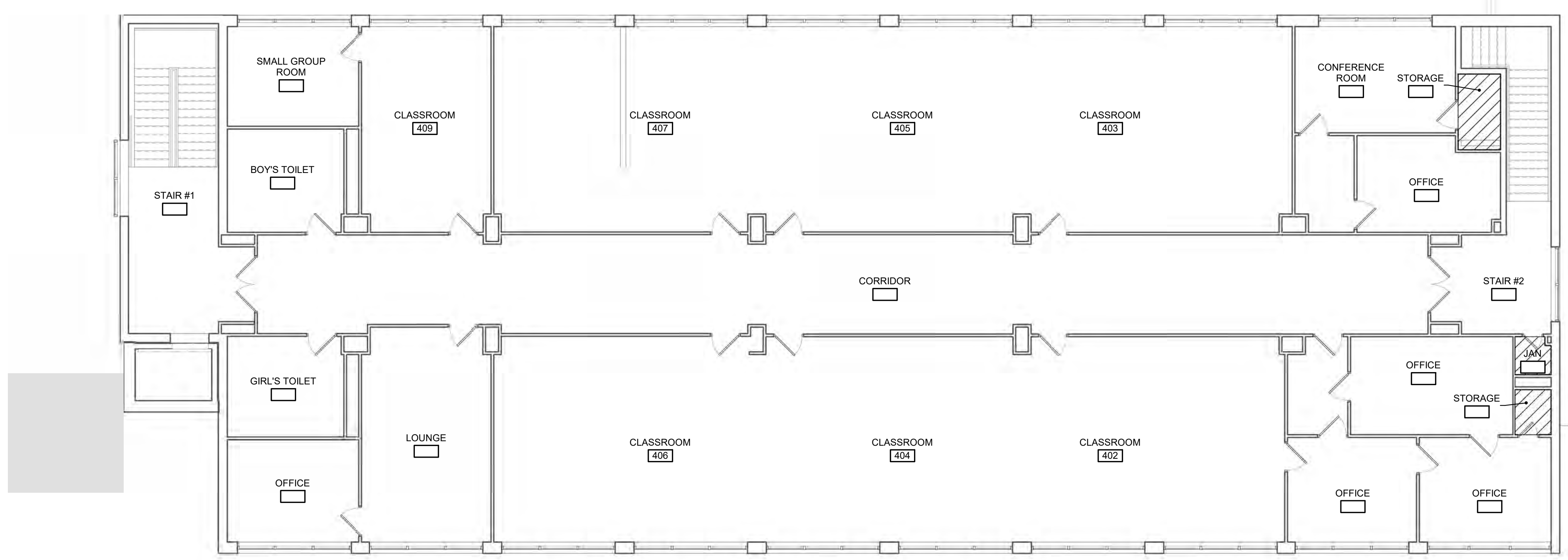
SCALE: 1/8" = 1'-0"



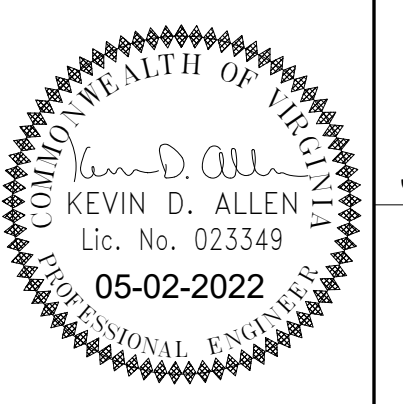
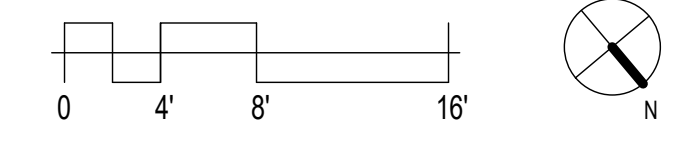
18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



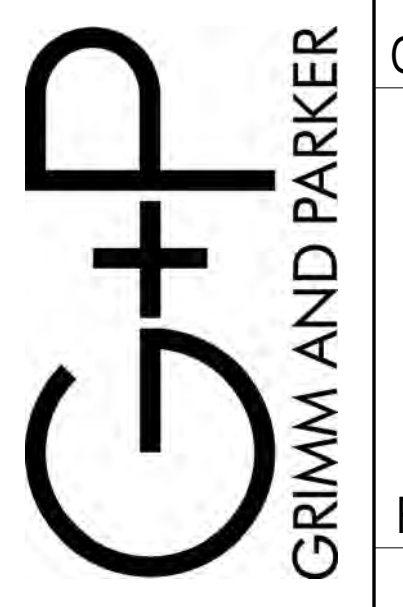
M
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SECOND FLOOR PLAN - NEW WORK - SPRINKLER
SCALE: 1/8" = 1'-0"



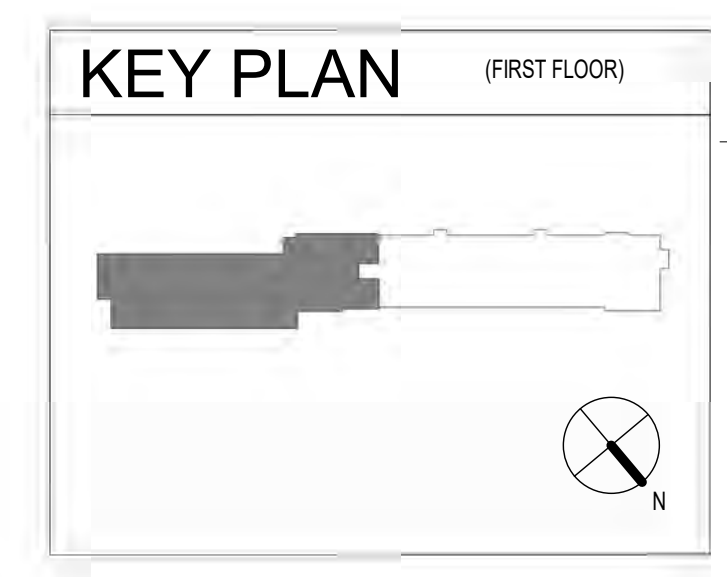
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GP #21710

SECOND FLOOR PLAN - NEW WORK - SPRINKLER
WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD, NEWPORT NEWS, VA 23601

DATE	DESCRIPTION



SP1.2
6/8/2022
BID SET

18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

ELECTRICAL LEGEND:

LIGHTING:

- EXISTING 2' X 4' LIGHT FIXTURE
EXISTING 1' X 4' LIGHT FIXTURE.
EXISTING 6" DOWNLIGHT.
EXISTING WALL MOUNTED LED LIGHT FIXTURE.
EXISTING WALL MOUNTED EMERGENCY LIGHT FIXTURE.
EXISTING WALL MOUNTED LINE VOLTAGE OCCUPANCY SENSOR.
2' X 2' LED LIGHT FIXTURE. NUMBER SUBSCRIPT INDICATES LIGHT FIXTURE TYPE. LETTER SUBSCRIPT INDICATES LIGHT FIXTURE CONTROLLED BY CORRESPONDING LIGHT SWITCH.
2' X 2' LED LIGHT FIXTURE WITH SELF CONTAINED EMERGENCY BATTERY PACK. NUMBER SUBSCRIPT INDICATES LIGHT FIXTURE TYPE.
6" LED LIGHT FIXTURE. NUMBER SUBSCRIPT INDICATES LIGHT FIXTURE TYPE.
6" LED NIGHT LIGHT (ALWAYS ON) FIXTURE WITH SELF CONTAINED EMERGENCY BATTERY PACK. NUMBER SUBSCRIPT INDICATES LIGHT FIXTURE TYPE.
DOWNLIGHT LED LIGHT FIXTURE. NUMBER SUBSCRIPT INDICATES LIGHT FIXTURE TYPE.
DOWNLIGHT LED NIGHT LIGHT (ALWAYS ON) FIXTURE WITH SELF CONTAINED EMERGENCY BATTERY PACK. NUMBER SUBSCRIPT INDICATES LIGHT FIXTURE TYPE.
CEILING MOUNTED EXIT LIGHT (ALWAYS ON) WITH SELF CONTAINED EMERGENCY BATTERY PACK AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREA INDICATES FACE-LIT. NUMBER SUBSCRIPT INDICATES LIGHT FIXTURE TYPE.
WALL MOUNTED EXIT LIGHT (ALWAYS ON) WITH SELF CONTAINED EMERGENCY BATTERY PACK AND DIRECTIONAL ARROWS AS INDICATED. SHADED AREA INDICATES FACE-LIT. NUMBER SUBSCRIPT INDICATES LIGHT FIXTURE TYPE.
EMERGENCY CALL STATION SIGN LIGHT FIXTURE. CEILING MOUNTED. PROVIDE DIRECTIONAL ARROWS WHICH POINT TO CALL STATION. NUMBER SUBSCRIPT INDICATES LIGHT FIXTURE TYPE.
CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR - PROVIDE SENSOR SWITCH CATALOG NO. CMR-PDT-10 OR APPROVED EQUAL.
CEILING MOUNTED LINE VOLTAGE OCCUPANCY SENSOR. PROVIDE SENSOR SWITCH CATALOG NO. WV-PDT-WV-BR.
CEILING MOUNTED LOW VOLTAGE OCCUPANCY SENSOR. PROVIDE SENSOR SWITCH CATALOG NO. HW-13-WV-BR.
TWO POLE LIGHTING POWER PACK. PROVIDE SENSOR SWITCH CATALOG NO. IPP-20-2P.
SINGLE POLE SWITCH, 20A, 120/277V, AC. INSTALL +46" A.F.F., U.O.N.
THREE-WAY SWITCH, 20A, 120/277V, AC. INSTALL +46" A.F.F., U.O.N.
FOUR-WAY SWITCH, 20A, 120/277V, AC. INSTALL +46" A.F.F., U.O.N.
SINGLE POLE SWITCH WITH OCCUPANCY SENSOR. INSTALL +46" A.F.F. PROVIDE SENSOR SWITCH CATALOG NO. WSD-PDT-SA.

POWER:

- DUPLEX RECEPTACLE, 20A, 120V. INSTALL +18" A.F.F. TO CENTER OF RECEPTACLE, U.O.N. IF CENTER SHADED, INSTALL +6" ABOVE COUNTER TOP OR BACKSPASH. IF SIDES ARE SHADED, PROVIDE DUPLEX RECEPTACLE WITH USB PORT. "CF" WHEN USED INDICATES GROUND FAULT CIRCUIT INTERRUPTER. "WP" WHEN USED INDICATES WEATHERPROOF WHILE IN USE. "4" WHEN USED INDICATES DOUBLE DUPLEX RECEPTACLE. "C" WHEN USED, INDICATES CEILING MOUNTED RECEPTACLE. SUBSCRIPT "W", WHEN USED, INDICATES DEVICE IN WIREMOLD SURFACE NON-METALLIC OUTLET BOX.
20A, 120V. DUPLEX RECEPTACLE FOR TELEVISION / SMARTBOARD. INSTALL BEHIND TELEVISION OR SMARTBOARD.
20A, 120V. DUPLEX RECEPTACLE FOR ELECTRIC WATER COOLER. INSTALL DEVICE BEHIND WATER COOLER ENCLOSURE. VERIFY EXACT LOCATION WITH SUPPLIER OF WATER COOLER.
MULTI-OUTLET SURFACE NONMETALLIC RACEWAY, WIREMOLD V4000 SERIES (OR APPROVED EQUAL) WITH DUPLEX 20A, 125 VOLT, NEMA 5-20R, GROUNDING TYPE RECEPTACLES AND DATA OUTLETS COVERPLATES AS INDICATED ON DRAWING E0.2. INSTALL ON BACKSPASH OR ABOVE COUNTER TOP. PROVIDE WITH ALL NECESSARY COVERS, FITTINGS, HARDWARE AND WITH QUANTITY OF RECEPTACLES SHOWN ON FLOOR PLANS.
PROVIDE RACEWAY AT THIS POINT WITH A 90 DEGREE FITTING AND RUN RACEWAY VERTICALLY ON WALL. TERMINATE RACEWAY 6" ABOVE CEILING WITH ENTRANCE END FITTING. INSTALL BRANCH CIRCUIT CONDUCTORS ABOVE CEILING IN 3/4" CONDUIT.
EXISTING SPECIAL PURPOSE RECEPTACLE.
ELECTRICAL CONNECTION TO EQUIPMENT.
DISCONNECT SWITCH, 600V, U.O.N.: 3P=NUMBER OF POLES, 60=SWITCH RATING, 40=FUSE RATING. PROVIDE IN NEMA 1 ENCLOSURE IF INSTALLED INDOORS AND PROVIDE NEMA 3R ENCLOSURE IF INSTALLED OUT OF DOORS.
PANELBOARD, 208Y/120 VOLT.
BRANCH CIRCUIT OR FEEDER WIRING IN CONDUIT. RUN CONCEALED ABOVE CEILING, IN WALL, BELOW FLOOR SLAB OR UNDERGROUND. NO TICK MARKS INDICATES 2 #12 CONDUCTORS & 1 #12 GND., IN 1/2" CONDUIT, U.O.N. TICK MARKS, WHEN SHOWN, INDICATE NUMBER OF CONDUCTORS IF OTHER THAN THREE; (7) INDICATES GROUNDING CONDUCTOR. SEE NOTES ON DRAWING FOR CONDUCTOR SIZES LARGER THAN #12.
HOMERUNS TO PANEL. PANEL & CIRCUIT DESIGNATION AS INDICATED.
DEMOLITION NOTE INDICATOR.
NEW WORK NOTE INDICATOR.
ROOM NUMBER INDICATOR.

CLOCK SYSTEM:

- EXISTING WALL MOUNTED SCHOOL CLOCK.

ELEVATOR COMMUNICATION SYSTEM:

- ELEVATOR TWO-WAY COMMUNICATION PANEL.
ELEVATOR MASTER COMMUNICATION STATION.

FIRE ALARM SYSTEM:

- EXISTING PULL STATION, INSTALL +42" A.F.F. TO CENTER.
EXISTING FIRE ALARM NOTIFICATION DEVICE.
NEW AUDIO/VISUAL DEVICE. INSTALL ON WALL AT +80" A.F.F. TO THE BOTTOM OF THE LENS OR +96" TO THE TOP OF THE LENS. SUBSCRIPT INDICATES CANDELLA RATING.
NEW VISUAL DEVICE. INSTALL ON WALL +80" A.F.F. TO THE BOTTOM OF THE LENS OR +96" TO THE TOP OF THE LENS. SUBSCRIPT INDICATES CANDELLA RATING.
NEW SMOKE DETECTOR.
NEW HEAT DETECTOR.
NEW FIRE ALARM SYSTEM CONNECTION TO SPRINKLER SYSTEM TAMPER SWITCH.
NEW FIRE ALARM SYSTEM CONNECTION TO SPRINKLER SYSTEM FLOW SWITCH.
NEW FIRE ALARM SYSTEM AND ELECTRICAL CONNECTION TO SPRINKLER FIRE ALARM BELL.
EXISTING BOSCH FIRE ALARM CONTROL PANEL.
CEILING MOUNTED AUDIO/VISUAL DEVICE. SUBSCRIPT INDICATES CANDELA LEVEL.

TELECOMMUNICATION SYSTEM:

- EXISTING DATA OUTLET.
EXISTING COAXIAL / CABLE OUTLET IN SURFACE MOUNTED OUTLET BOX.
EXISTING PHONE OUTLET.
EXISTING TELEPHONE BACKBOARD.
NEW DATA OUTLET. PROVIDE 1-GANG OUTLET BOX (LEVITON OR EQUAL) WITH LEVITON, 42080-1IS - IVORY SINGLE PORT FACEPLATE AND LEVITON - 5G108-RL5 - BLUE CAT5E SNAP-IN JACK. PROVIDE SURFACE MOUNTED RACEWAY, SIZED AS REQUIRED, FROM OUTLET BOX TO ABOVE LAY-IN TILE CEILING, U.O.N. INSTALL OUTLET +18" A.F.F., U.O.N. PROVIDE ONE CAT 5E PLENUM RATED CABLE HOMERUN WITH INSERTS. INSTALL ABOVE CEILING AND TERMINATE AS INDICATED ON DRAWING E3.1.
EXISTING TEACHER'S PANEL.
NEW TEACHER'S PANEL. PROVIDE 2-GANG BOX (LEVITON OR EQUAL) WITH SURFACE MOUNTED RACEWAY. TERMINATE RACEWAY ABOVE CEILING. PROVIDE LEVITON - 41290-DMI - IVORY DOUBLE GANG MOS FACEPLATE FOR TEACHER PANELS/SYSTEM INTEGRATION PANELS. LEVITON - 41291-1BI - IVORY BLANK PLATES FOR DOUBLE GANG MOS FACEPLATE, LEVITON - 41290-HDI - IVORY HDMI PLATES FOR DOUBLE GANG MOS FACEPLATE, LEVITON - 41291-2QI - IVORY SNAP-IN PLATES FOR DOUBLE GANG MOS FACEPLATE, AND LEVITON - 5G108-RL5 - BLUE CAT5E SNAP-IN JACK. REUSE EXISTING HDMI CABLE SAVED DURING DEMOLITION AND CONNECT TO TEACHER'S PANEL AND SMARTBOARD. PROVIDE ONE CAT 5E PLENUM RATED CABLE HOMERUN WITH INSERTS. TERMINATE AS INDICATED ON DRAWING E3.1.
EXISTING INTERACTIVE SMARTBOARD.

INTERCOM SYSTEM:

- EXISTING AIPHONE AUDIO / VIDEO INTERCOM DEVICE.
PROVIDE SPEAKER VOLUME CONTROL, BOGEN - AT10A - 10W VOLUME CONTROL SINGLE GANG FACEPLATE. PROVIDE 1-GANG OUTLET BOX, RECESSED IN NEW WALL, +54" A.F.F. PROVIDE 1/2" CONDUIT. TERMINATE 6" ABOVE CEILING. PROVIDE 22/4 PLENUM RATED INTERCOM CABLE AND CONNECT TO SPEAKER IN SPACE.
PROVIDE INTERCOM SPEAKER, BOGEN - RE84 - BACK CAN, BOGEN - TB8 - TILE BRIDGE, AND BOGEN - S86T725P38W - CEILING SPEAKER. PROVIDE 22/4 PLENUM RATED INTERCOM CABLE HOMERUN AND TERMINATE ON EXISTING STYLE 66 TERMINAL BLOCKS LOCATED BEHIND EXISTING INTERCOM CABINET. SPEAKER LOCATIONS SHALL BE FIELD VERIFIED WITH NNPS.

ACCESS CONTROL SYSTEM:

- EXISTING ACCESS CONTROL SYSTEM CARD READER.
PROVIDE ACCESS CONTROL SYSTEM METAL DOOR CONTACT, BOSCH - ISN-CMET-200AR - COMMERCIAL GRADE. PROVIDE ACCESS CONTROL POPIT. INSTALL ABOVE DOOR. PROVIDE PLENUM RATED ACCESS CONTROL CABLE AND CONNECT TO NEAREST SECURITY ALARM POPIT. COORDINATE LOCATION OF EXISTING POPIT AND PROGRAMMING WITH NNPS TECHNOLOGY DEPARTMENT.
EXISTING ACS KEY PAD.

ABBREVIATIONS:

- A AMPERE
A.F.F. ABOVE FINISHED FLOOR
EMCS EMERGENCY MASTER CALL STATION
ETWCP EMERGENCY TWO-WAY COMMUNICATION PANEL
FCC FIRE COMMAND CENTER
GND. GROUND
LED LIGHT EMITTING DIODE
MDP MAIN DISTRIBUTION PANELBOARD
NNPS NEWPORT NEWS PUBLIC SCHOOLS
P POLE OR PHASE
U.O.N. UNLESS OTHERWISE NOTED
V VOLT
W WATT
Y WYE

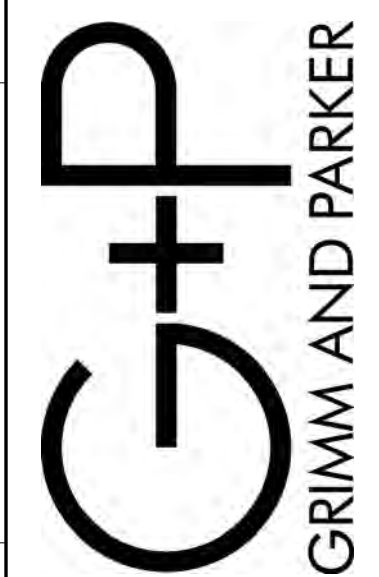
Table with columns: TYPE, MANUFACTURER'S CATALOG No., VOLT, LUMEN, LOAD, MOUNTING, NOTES. Contains 17 rows of fixture specifications.

GENERAL: MATCH MOUNTING HARDWARE AND FRAME WITH THE CEILING TYPE OR CONSTRUCTION IN WHICH FIXTURE IS TO BE INSTALLED. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLANS AND FINISH SCHEDULES.

- NOTES:
1. PROVIDE DIRECTIONAL ARROWS AND ACCESSORIES AS INDICATED ON THE DRAWINGS. SHADING INDICATES NUMBER OF FACES LIT.
2. SIGN SHALL READ "EMERGENCY CALL STATION" WITH DIRECTIONAL ARROW POINTING TOWARD ELEVATOR. VERIFY WITH SUPPLIER OF FIXTURE THAT WORDING AND DIRECTIONAL ARROWS WILL FIT. PROVIDE SHOP DRAWING DEPICTING SIZE AND LETTERING PLACEMENT PRIOR TO RELEASE.



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GP #21710

ELECTRICAL LEGEND, ABBREVIATIONS AND LIGHT FIXTURE SCHEDULE
WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD., NEWPORT NEWS, VA 23001

DATE DESCRIPTION

Table with columns: DATE, DESCRIPTION. Contains one row with date 6/8/2022 and description BID SET.

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6/8/2022
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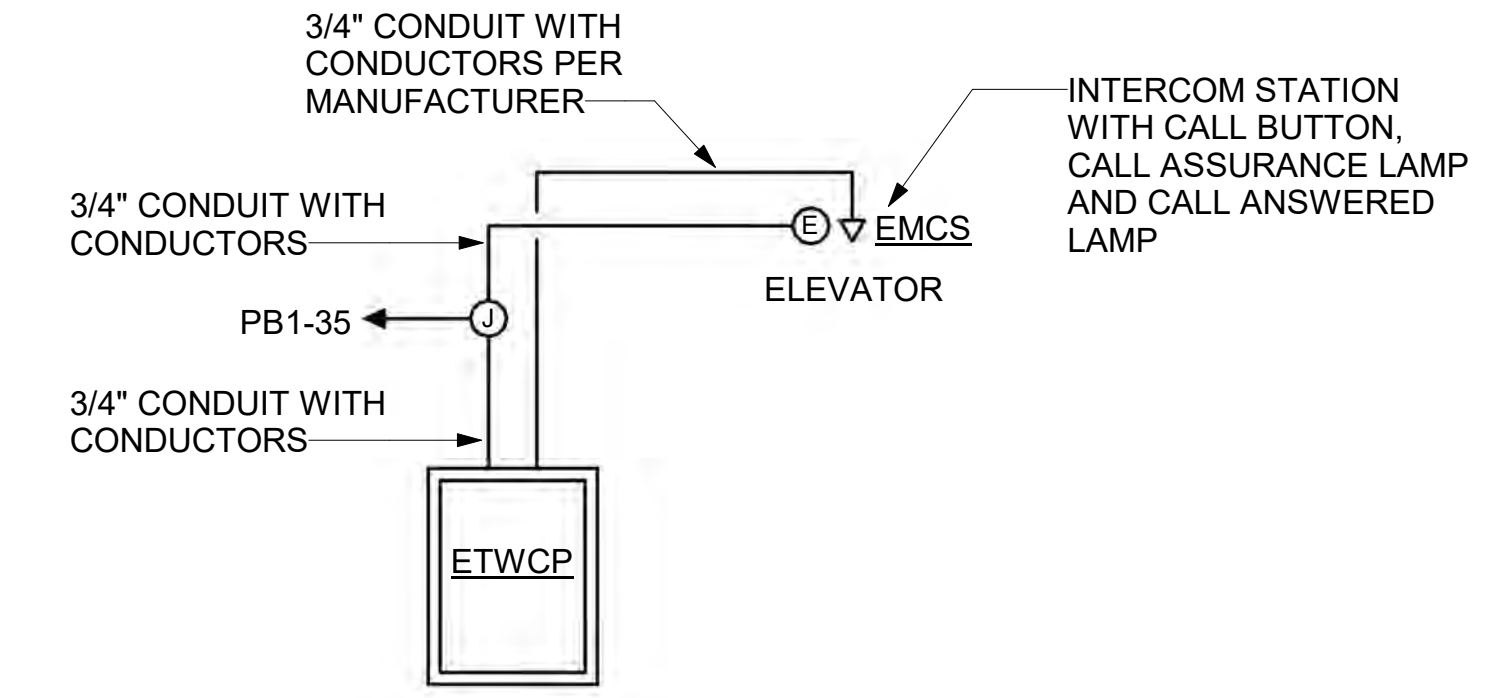
GENERAL DEMOLITION NOTES:

- DISCONNECT AND REMOVE ALL ELECTRICAL MATERIAL SHOWN ON ELECTRICAL DEMOLITION DRAWINGS, U.O.N.
- PROVIDE ALL ELECTRICAL DEMOLITION WORK NECESSARY TO INSTALL NEW WORK. CONTRACTOR SHALL REROUTE AND RECONNECT ANY CIRCUIT THAT WILL REMAIN IN USE BUT INTERFERES WITH NEW CONSTRUCTION.
- MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN OR PORTIONS THEREOF AFFECTED BY NEW WORK.
- EXISTING CONDITIONS ILLUSTRATED HAVE BEEN DETERMINED FROM ORIGINAL CONSTRUCTION DOCUMENTS AND LIMITED NON-INVASIVE FIELD INVESTIGATION. THE CONTRACTOR SHALL INVESTIGATE FIELD CONDITIONS PRIOR TO COMMENCEMENT OF WORK, COORDINATE AND MAKE ADJUSTMENTS AS NECESSARY.
- ANY POWER OUTAGE THAT WILL AFFECT THE MAIN DISTRIBUTION PANEL (MDP) AND POWER TO THE WHOLE BUILDING SHALL BE COORDINATED IN ADVANCE WITH NNPS PLANT SERVICES/ELECTRIC SHOP.
- BEFORE BEGINNING ANY WORK, FIELD VERIFY THE WORKING CONDITION OF ALL AUXILIARY SYSTEM EQUIPMENT/DEVICES (WIRELESS ACCESS POINTS, PROJECTORS, SMOKE DETECTORS, MOTION DETECTORS, FIRE ALARM NOTIFICATION DEVICES, PHONES, PRINTERS, COMPUTERS, MONITORS, KEYBOARDS, ETC.) SCHEDULED FOR REMOVAL. NOTIFY THE OWNER OF ANY DEFECTIVE EQUIPMENT. AFTER REINSTALLATION OF AUXILIARY SYSTEMS EQUIPMENT/DEVICES SAVED DURING DEMOLITION IS COMPLETE, RE-VERIFY THE WORKING CONDITION OF EACH. REPLACE ALL EQUIPMENT/DEVICES FOUND DEFECTIVE AFTER REINSTALLATION WHICH WAS WORKING PRIOR TO REMOVAL WITH NEW EQUIPMENT/DEVICES TO MATCH EXISTING AT NO ADDITIONAL COST TO THE OWNER.
- DURING REMOVAL OF THE EXISTING LAY-IN CEILING PANELS, SUPPORT ALL EXISTING AUXILIARY SYSTEMS CABLES (DATA, TELEPHONE, CCTV, FIRE ALARM, MOTION DETECTORS, CATV, ETC.) ORIGINATING FROM MDF OR IDF EQUIPMENT FROM EXISTING STRUCTURE EXISTING CEILING. ADJUST ROUTING OF THESE CABLE TO ACCOMMODATE THE INSTALLATION OF NEW HVAC SYSTEM EQUIPMENT AND DUCTWORK. RE-VERIFY THE WORKING CONDITION OF THESE CABLES AND REPLACE ALL CABLES FOUND DEFECTIVE AFTER REINSTALLATION, WHICH WERE WORKING PRIOR TO REMOVAL WITH CABLES TO MATCH EXISTING AT NO ADDITIONAL COST TO OWNER.
- DISCONNECT, REMOVE AND SAVE FOR REINSTALLATION THE FOLLOWING EQUIPMENT/DEVICES IN ALL SPACES WHERE CEILINGS ARE REMOVED/REINSTALLED AND WITH HVAC SYSTEM DEMOLITION/NEW WORK:
 - ALL COMPUTERS INCLUDING ASSOCIATED MONITORS, TOWERS, POWER CORDS AND DATA PATCH CABLES.
 - ALL WALL AND DESK MOUNTED TELEPHONE INSTRUMENTS, INCLUDING PATCH CABLES.
 - ALL PRINTERS INCLUDING ASSOCIATED POWER CORDS AND DATA PATCH CABLES.
 - ALL WIRELESS ACCESS POINTS DEVICES.
 - ALL CEILING MOUNTED OR CART MOUNTED PROJECTORS INCLUDING ASSOCIATED MOUNTING PLATES, CEILING MOUNTED RECEPTACLES, CEILING MOUNTED DATA OUTLETS, POWER CORDS AND DATA PATCH CABLES.
 - ALL WALL MOUNTED SMARTBOARDS, MDF AND IDF DATA RACKS SHALL REMAIN IN PLACE, COVERED AND PROTECTED THROUGHOUT CONSTRUCTION, U.O.N.

LABEL ALL EQUIPMENT/DEVICES WITH REGARDS TO ROOM NUMBERS AND LOCATIONS TO ENSURE EACH ITEM IS REINSTALLED IN THE SAME LOCATION FROM WHICH THEY WERE REMOVED. ALL ITEMS SHALL BE SECURELY STORED IN A TEMPERATURE AND HUMIDITY CONTROLLED LOCATION AND AWAY FROM ALL CONSTRUCTION. COORDINATE THE IDENTIFICATION OF EACH ITEM WITH THE OWNER PRIOR TO REMOVAL AND PROVIDE DOCUMENTATION IDENTIFYING EACH ITEM TYPE AND QUANTITY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MOVING, REROUTING OR SECURING ALL AUXILIARY SYSTEMS CABLES DURING CONSTRUCTION IF ANY CEILINGS ARE TO BE REMOVED AND/OR RAISED. IF ANY WIRING HAS TO BE DISCONNECTED TO BE REROUTED, THE CONTRACTOR SHALL CORRDINATE WITH NNPS.

GENERAL NEW WORK NOTES:

- WHERE INDIVIDUAL 120V HOMERUN CIRCUITS ARE SHOWN ON THE DRAWINGS, THEY MAY BE COMBINED AS FOLLOWS:
 - NO MORE THAN THREE (3) PHASE CONDUCTORS PLUS THREE NEUTRALS AND ONE (1) GROUND PER CONDUIT, EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.
 - NO TWO OF THE SAME PHASE CONDUCTOR PER CONDUIT.
 - PROVIDE 120V CIRCUIT WITH INDIVIDUAL NEUTRALS PER CIRCUIT. NEUTRALS MAY NOT BE SHARED BETWEEN PHASES.
- COORDINATE WITH PLUMBING DRAWINGS FOR EXACT LOCATION OF EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS INCLUDING EXACT POINT OF ELECTRICAL CONNECTION. MAKE ADJUSTMENTS TO CONDUIT ROUTING, PLACEMENT OF DISCONNECTS AS REQUIRED.
- PROVIDE NEW TYPED PANEL INDEXES FOR ALL PANELS WHERE CHANGES BROUGHT ON BY THIS PROJECT OCCUR.
- EXERCISE CARE IN REMOVING MATERIAL AND EQUIPMENT DURING DEMOLITION. REPAIR ANY DAMAGE TO EXISTING SURFACES OR EXISTING EQUIPMENT TO REMAIN TO THE SATISFACTION OF THE ARCHITECT AND OWNER AT NO COST TO THE OWNER.
- ALL MATERIAL REMOVED DURING DEMOLITION (AND NOT CALLED OUT TO BE REINSTALLED) SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE JOB SITE, UNLESS OTHERWISE NOTED. THE OWNER RESERVES THE RIGHT TO SALVAGE ANY OR ALL EXISTING MATERIAL AND/OR EQUIPMENT NOT SCHEDULED TO BE REINSTALLED.
- VERIFY ALL CIRCUITS SAVED DURING DEMOLITION AS TO WIRE SIZE AND POINT OF ORIGIN.
- WHERE THE TERM "BRANCH CIRCUITRY" IS USED ON THESE DRAWINGS, IT IS TO BE CONSTRUED TO MEAN CONDUIT AND CONDUCTORS.
- INSTALL DEVICES SHOWN ON DRAWINGS IN ACCORDANCE WITH MOUNTING HEIGHTS SHOWN IN THE ELECTRICAL LEGEND AND/OR THE PROJECT SPECIFICATIONS.
- SEAL AROUND ALL EXISTING AND NEW CONDUIT PENETRATIONS THROUGH WALLS WITH FIRE RETARDANT SEALANT THAT MEETS OR EXCEEDS THE FIRE RATING OF THE WALL.
- ALL NEW AUXILIARY SYSTEMS (FIRE ALARM, INTERCOM, DATA, AND ACCESS CONTROL) CABLING INSTALLED ABOVE CEILING WITHOUT CONDUIT SHALL BE PLENUM RATED.
- SPLICES, KINKS, TWISTS AND DEFECTS OF ANY NATURE WILL NOT BE ACCEPTED BY NNPS TECHNOLOGY STAFF AND THE CONTRACTOR MUST, AT ITS OWN EXPENSE, REPLACE ALL SECTION OF CABLE IDENTIFIED BY NNPS.
- NNPS TECHNOLOGY STAFF SHOULD BE CONSULTED BY CONTRACTOR FOR CHANGES THAT WILL BE MADE AND FOR GUIDANCE.
- HARD AND ELECTRONIC COPIES OF AS-BUILT DRAWINGS SHALL BE PROVIDED TO NNPS TECHNOLOGY STAFF THAT SHOWS CABLE PATH, ZONE NUMBER FOR ANY NEW DEVICES, LOCATION OF DEVICES, ETC.
- ALL MODIFICATIONS TO THE EXISTING BOGEN INTERCOM SYSTEM SHALL BE PERFORMED BY A CERTIFIED BOGEN REPRESENTATIVE AND COORDINATED NNPS TECHNOLOGY STAFF.
- ALL CAT 5E CABLING SHALL BY SUPERIOR ESSEX, BERK-TEK, OR NNPS TECHNOLOGY APPROVED BRAND. ALL DATA CABLING SHALL COMPLY WITH ANSI/TIA/EIA-568-B. ALL DATA CABLE CONNECTORS SHALL BE WIRED FOR T568B. ALL NEW DATA CABLING SHALL TERMINATE AT EXISTING PATCH PANELS IN EXISTING MDF/IDF CABINETS. COORDINATE THIS WORK WITH NNPS TECHNOLOGY STAFF.
- PROVIDE BUSHINGS ON ALL CONDUITS AND RACEWAYS.
- ALL HORIZONTAL CABLES MUST BE LABELED TWICE ON EACH END, TWELVE INCHES BETWEEN THE LABELS, WHICH WILL START TWO INCHES FROM THE CUT SHEATHING USING MECHANICALLY GENERATED LABELS (HAND WRITTEN LABELS ARE NOT AUTHORIZED), LABELING CONVENTION WILL BE PROVIDED BY NNPS.
- ALL AUXILIARY SYSTEMS CABLES INSTALLED ABOVE CEILINGS SHALL BE INSTALLED IN EXISTING PATHWAYS WHERE AVAILABLE. PROVIDE J-HOOKS 12" ON CENTER IN AREAS WHERE EXISTING PATHWAYS ARE NOT AVAILABLE.

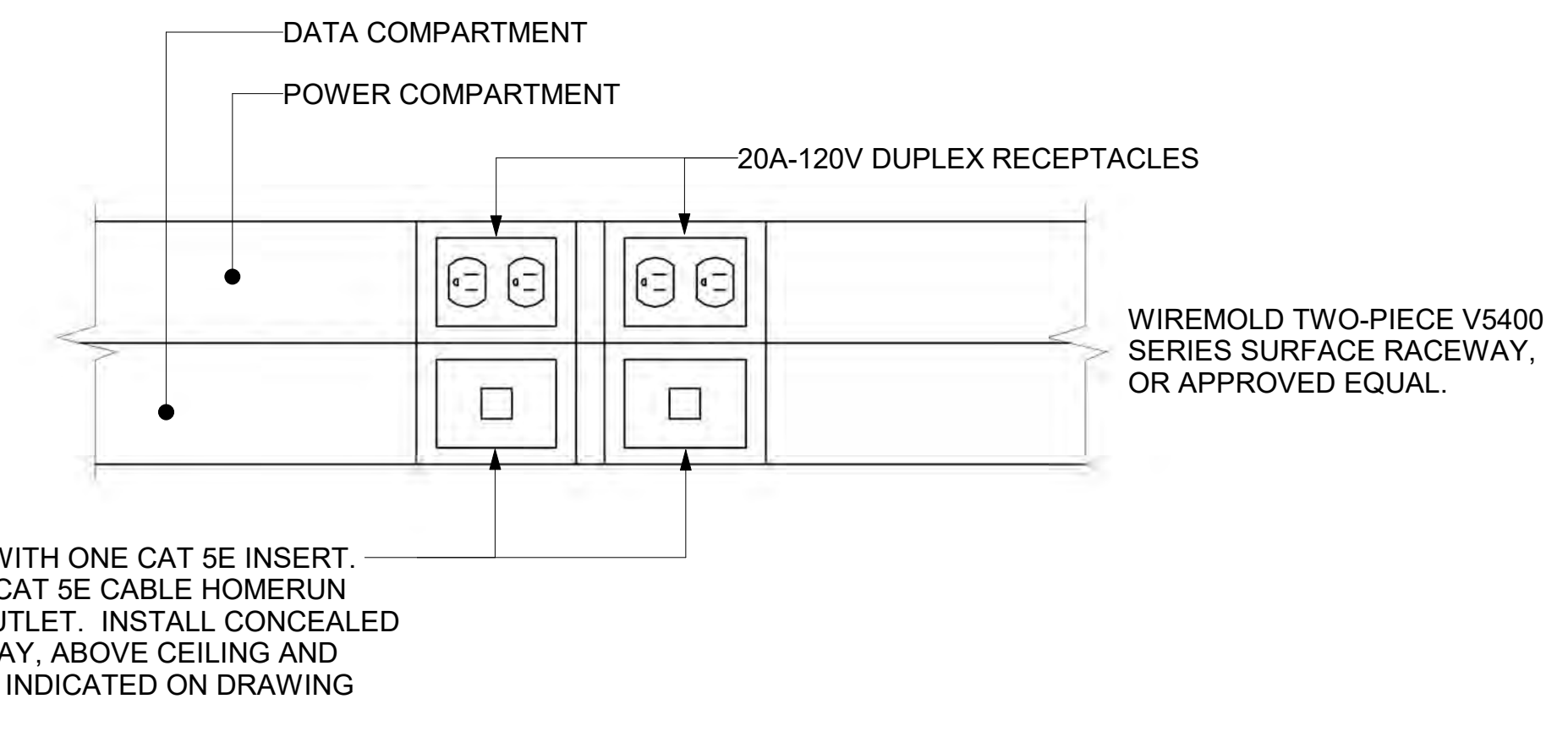


EMERGENCY TWO-WAY COMMUNICATION SYSTEM RISER DIAGRAM

NOT TO SCALE

NOTE:

PROVIDE 3/4\"/>

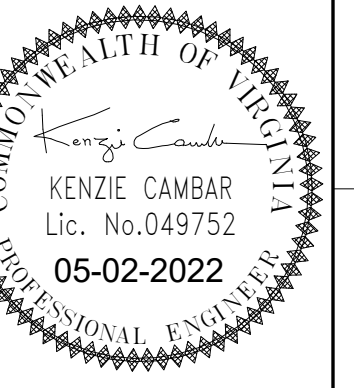


TYPICAL 2 COMPARTMENT RACEWAY DETAIL

SCALE: 1/8\"/>

GENERAL FIRE ALARM NOTES:

- IF THERE WILL BE A POWER OUTAGE, THE CONTRACTOR SHALL PROVIDE A GENERATOR TO SUPPORT THE ALARM SYSTEM, SECURITY SYSTEM AND COX TELEPHONE EQUIPMENT. COORDINATE IN ADVANCE WITH NNPS PLANT SERVICES/ELECTRIC SHOP AND NNPS TECHNOLOGY.
- ALL FIRE ALARM WORK (WIRING DEVICES AND CONNECTING DEVICES) SHALL BE PERFORMED BY CERTIFIED BOSCH/RADIONICS MANUFACTURER. DOCUMENTATION OF BOSCH CERTIFICATION BY COMPANY AND INSTALLER SHALL BE PROVIDED.
- NNPS TECHNOLOGY STAFF WILL PROVIDE ADDRESSING AND VERBAL GUIDANCE ON THE ALARM CONNECTIVITY. IF QUESTIONS COME UP DURING THE PROJECT CONTACT NNPS TECHNOLOGY.
- NNPS TECHNOLOGY STAFF WILL PROVIDE THE FIRE ALARM PANEL PROGRAMMING.
- PRIOR TO THE PROJECT STARTING GENERAL CONTRACTOR FOREMAN AND ASSISTANT FOREMAN NAMES AND TELEPHONE NUMBERS SHOULD BE PROVIDED TO NNPS TECHNOLOGY SO THAT ALARM CODES CAN BE CREATED AND THE ABILITY OF PLACING THE ALARM SYSTEMS ON TEST.
- PRIOR TO ANY DISTURBANCE OF THE ALARM SYSTEMS THE SYSTEM(S) SHOULD BE PLACED ON TEST WITH NNPS ALARM MONITORING CENTER
- ANY NEW FIRE DEVICES SHALL BE WIRED WITH 4-CONDUCTOR RED PLENUM RATED FIRE WIRE. RED AND BLACK WIRES SHALL BE POWER AND THE OTHER TWO USED FOR DATA.
- NO T-TAPPING SHALL BE USED ON THE FIRE ALARM SYSTEM
- IF ANY MODIFICATIONS OR DEVICE REMOVAL/REINSTALLATIONS ARE NEEDED A CITY PERMIT MUST BE PULLED FOR THE FIRE ALARM SYSTEM.



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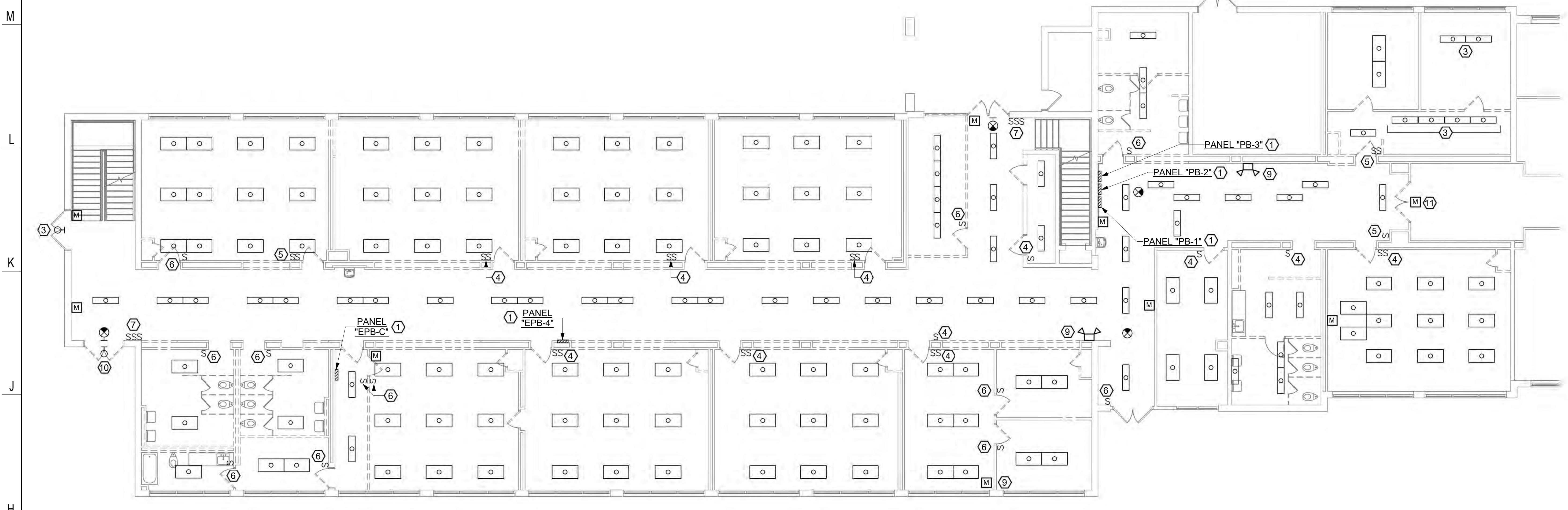
ELECTRICAL DETAILS AND GENERAL NOTES

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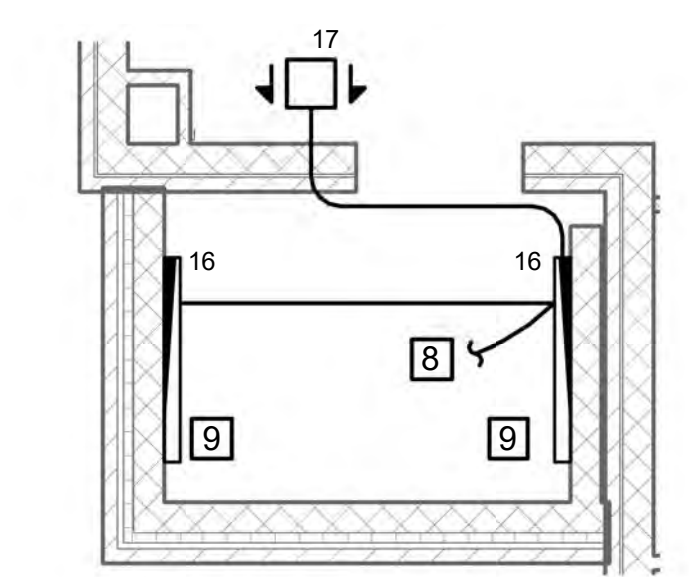


FIRST FLOOR PLAN - DEMOLITION - LIGHTING (2) (8)

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

DEMOLITION NOTES: (THIS DRAWING ONLY)

- 1 EXISTING TO REMAIN.
- 2 REMOVE ALL LIGHT FIXTURES AND EXIT LIGHTS SHOWN ON THIS DRAWING, U.O.N. REMOVE CONDUIT AND CONDUCTORS BACK TO PANEL.
- 3 EXISTING LIGHT FIXTURE TO REMAIN. REMOVE CONDUIT AND CONDUCTORS.
- 4 REMOVE LIGHT SWITCH AND CIRCUITRY. SAVE OUTLET BOX AND CONDUIT FOR REUSE.
- 5 REMOVE LIGHT SWITCH. REMOVE BRANCH CIRCUITRY. PROVIDE BLANK COVERPLATE ON EXISTING OUTLET BOX.
- 6 REMOVE LIGHT SWITCH, BRANCH CIRCUITRY AND OUTLET BOX.
- 7 REMOVE LIGHT SWITCHES. REMOVE BRANCH CIRCUITRY TO FIRST FLOOR LIGHT FIXTURES. SAVE OUTLET BOX AND BRANCH CIRCUITRY TO SECOND FLOOR FOR REUSE.
- 8 REMOVE ALL WALL MOUNTED OCCUPANCY SENSORS SHOWN ON THIS DRAWING, U.O.N.
- 9 REMOVE WALL MOUNTED EMERGENCY LIGHT FIXTURE.
- 10 REMOVE LIGHT FIXTURE. REMOVE PHOTOCCELL AND SAVE FOR REUSE. MAINTAIN DOWNSTREAM AND UPSTREAM BRANCH CIRCUITRY TO REMAINING EXTERIOR LIGHT FIXTURES.
- 11 UNDER BASE BID, EXISTING LINE VOLTAGE OCCUPANCY SENSOR TO REMAIN. UNDER ALTERNATE, REMOVE OCCUPANCY SENSOR AND CONDUCTORS AND REINSTALL ON NEW DOOR FRAME AT SAME LOCATION.

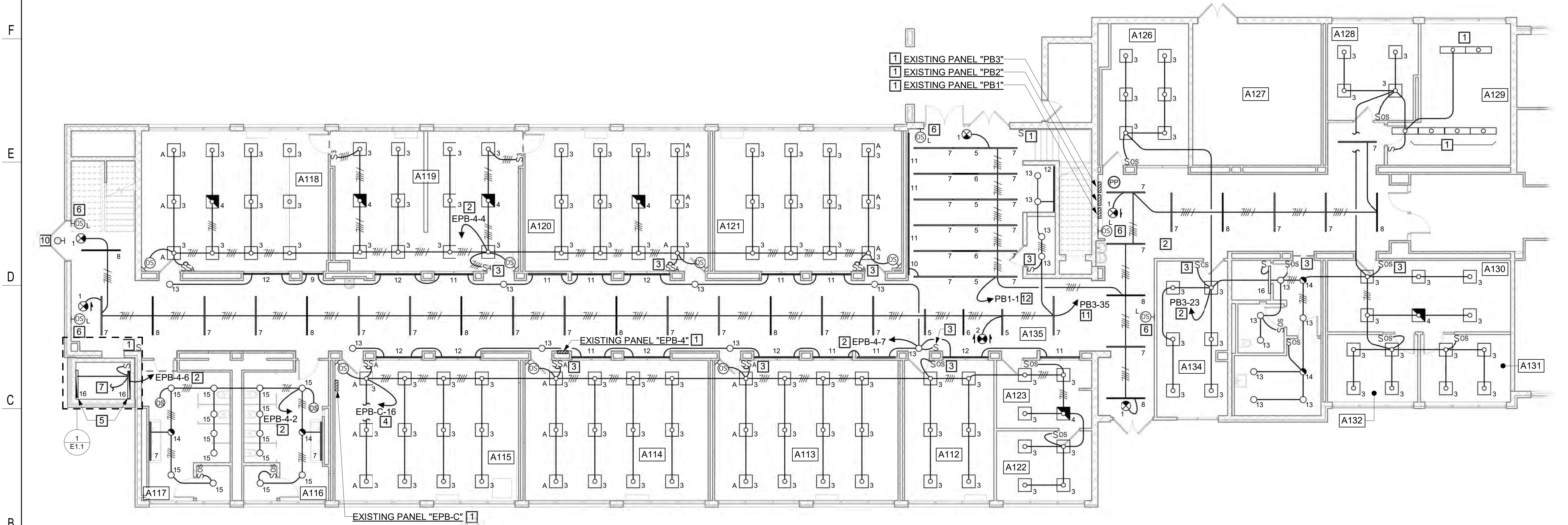


SECOND FLOOR ELEVATOR PLAN - NEW WORK - LIGHTING

SCALE: 1/4" = 1'-0"

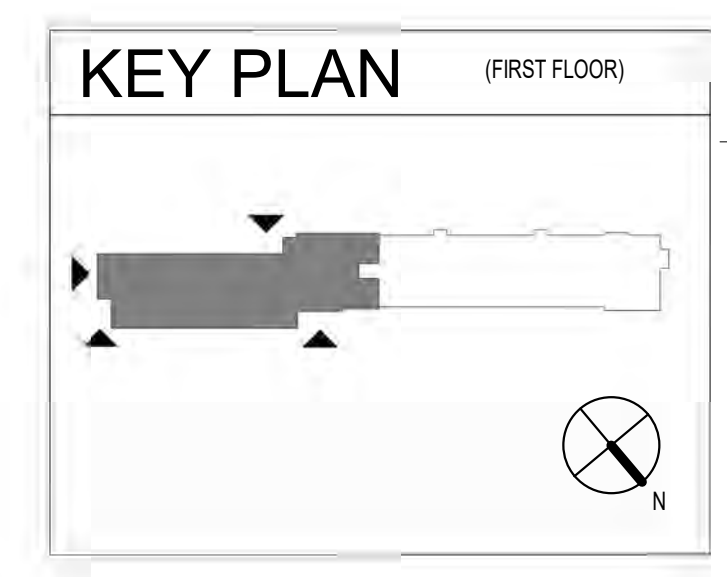
NEW WORK NOTES: (THIS DRAWING ONLY)

- 1 EXISTING REUSED.
- 2 CONNECT HOMERUN TO EXISTING 20A-1P CIRCUIT BREAKER IN PANEL AND SPACE INDICATED.
- 3 INSTALL NEW LIGHT SWITCH IN EXISTING OUTLET BOX SAVED DURING DEMOLITION.
- 4 PROVIDE 20A-1P CIRCUIT BREAKER IN PANEL AND SPACE INDICATED. CONNECT HOMERUN TO NEW CIRCUIT BREAKER. PANEL "EPB-C" IS A 208Y/120V, 3-PHASE, 4-WIRE, 100A SQUARE "D" PANELBOARD.
- 5 INSTALL LIGHT FIXTURES IN ELEVATOR PIT. COORDINATE EXACT LOCATION WITH SUPPLIER OF ELEVATOR EQUIPMENT PRIOR TO ROUGH-IN OF CONDUIT AND OUTLET BOX.
- 6 INTERLOCK ALL LOW VOLTAGE OCCUPANCY SENSORS SO THAT WHEN ANY SENSOR IS ACTIVATED, IT WILL ENERGIZE POWER PACK "PP" AND TURN ALL CORRIDOR LIGHTS ON.
- 7 UP TO LIGHT FIXTURES AT TOP OF ELEVATOR SHAFT. SEE "SECOND FLOOR ELEVATOR PLAN - NEW WORK - LIGHTING" ON THIS DRAWING FOR CONTINUATION.
- 8 DOWN TO LIGHTS IN ELEVATOR PIT. SEE "FIRST FLOOR PLAN - NEW WORK - LIGHTING" ON THIS DRAWING FOR CONTINUATION.
- 9 INSTALL LIGHT FIXTURES AT TOP OF ELEVATOR SHAFT. COORDINATE EXACT LOCATION WITH SUPPLIER OF ELEVATOR EQUIPMENT PRIOR TO ROUGH-IN OF CONDUIT AND OUTLET BOX.
- 10 INSTALL PHOTOCCELL SAVED DURING DEMOLITION TO THIS LIGHT FIXTURE. CONNECT PHOTOCCELL SO THAT WHEN ACTIVATED, ALL EXTERIOR LIGHT FIXTURES WILL TURN ON.
- 11 CONNECT HOMERUN TO EXISTING 20A-1P CIRCUIT BREAKER IN PANEL AND SPACE INDICATED, VIA NEW POWER PACK "PP".
- 12 PROVIDE 20A-1P CIRCUIT BREAKER IN PANEL AND SPACE INDICATED. CONNECT HOMERUN TO NEW CIRCUIT BREAKER, VIA NEW POWER PACK "PP". PANEL "PB1" IS A 208Y/120V, 3-PHASE, 4-WIRE, 200A GENERAL ELECTRIC TYPE "NLB" PANELBOARD.



FIRST FLOOR PLAN - NEW WORK - LIGHTING

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



COMMONWEALTH OF VIRGINIA

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FLOOR PLANS - DEMOLITION & NEW WORK - LIGHTING

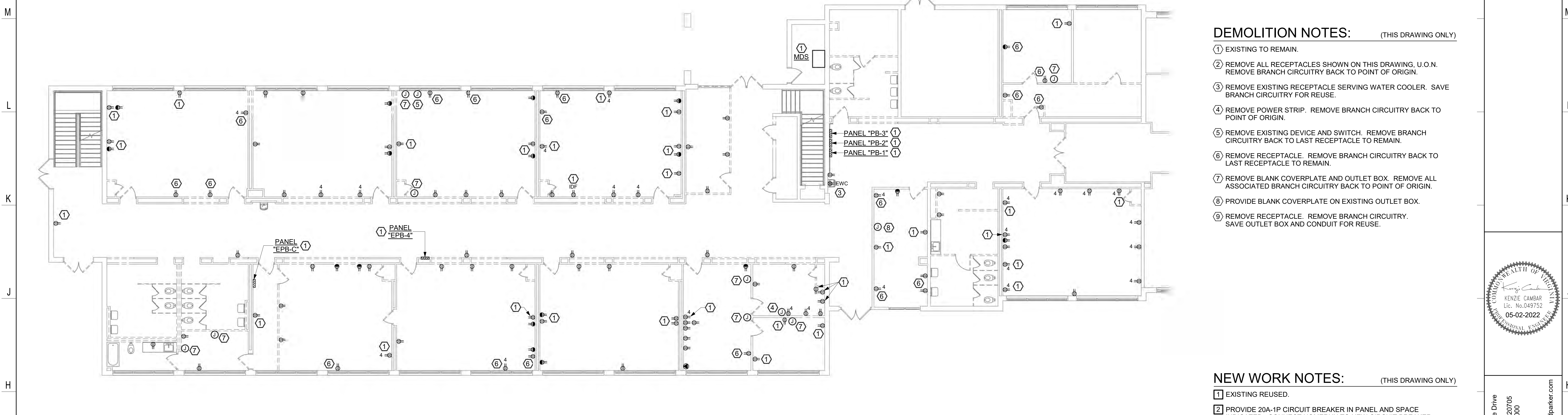
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FIRST FLOOR PLAN - DEMOLITION - POWER (2)
SCALE: 1/8" = 1'-0"

DEMOLITION NOTES: (THIS DRAWING ONLY)

- 1 EXISTING TO REMAIN.
- 2 REMOVE ALL RECEPTACLES SHOWN ON THIS DRAWING, U.O.N. REMOVE BRANCH CIRCUITRY BACK TO POINT OF ORIGIN.
- 3 REMOVE EXISTING RECEPTACLE SERVING WATER COOLER. SAVE BRANCH CIRCUITRY FOR REUSE.
- 4 REMOVE POWER STRIP. REMOVE BRANCH CIRCUITRY BACK TO POINT OF ORIGIN.
- 5 REMOVE EXISTING DEVICE AND SWITCH. REMOVE BRANCH CIRCUITRY BACK TO LAST RECEPTACLE TO REMAIN.
- 6 REMOVE RECEPTACLE. REMOVE BRANCH CIRCUITRY BACK TO LAST RECEPTACLE TO REMAIN.
- 7 REMOVE BLANK COVERPLATE AND OUTLET BOX. REMOVE ALL ASSOCIATED BRANCH CIRCUITRY BACK TO POINT OF ORIGIN.
- 8 PROVIDE BLANK COVERPLATE ON EXISTING OUTLET BOX.
- 9 REMOVE RECEPTACLE. REMOVE BRANCH CIRCUITRY. SAVE OUTLET BOX AND CONDUIT FOR REUSE.

NEW WORK NOTES: (THIS DRAWING ONLY)

- 1 EXISTING REUSED.
- 2 PROVIDE 20A-1P CIRCUIT BREAKER IN PANEL AND SPACE INDICATED. CONNECT HOMERUN TO NEW CIRCUIT BREAKER. EXISTING PANEL "PB2" IS A 208Y/120V, 3-PHASE, 4-WIRE, 200A GENERAL ELECTRIC TYPE "NLAB" PANELBOARD.
- 3 CONNECT HOMERUN TO EXISTING 20A-1P CIRCUIT BREAKER IN PANEL AND SPACE INDICATED.
- 4 PROVIDE 20A-1P CIRCUIT BREAKER IN PANEL AND SPACE INDICATED. CONNECT HOMERUN TO NEW CIRCUIT BREAKER. EXISTING PANEL "PB1" IS A 208Y/120V, 3-PHASE, 4-WIRE, 200A GENERAL ELECTRIC TYPE "NLAB" PANELBOARD.
- 5 RECEPTACLE FOR SUMP PUMP. COORDINATE EXACT LOCATION WITH PLUMBING SUB-CONTRACTOR.
- 6 RECEPTACLE FOR SUMP PUMP CONTROL PANEL. COORDINATE EXACT LOCATION WITH SUPPLIER OF SUMP PUMP CONTROL PANEL.
- 7 PROVIDE 100A-3P SHUNT-TRIP TYPE CIRCUIT BREAKER IN PANEL AND SPACE INDICATED. PROVIDE 3 #3 AND 1 #8 GROUND IN 1-1/4" CONDUIT AND CONNECT TO NEW CIRCUIT BREAKER. MAIN DISTRIBUTION SWITCHBOARD "MDS" IS A 208Y/120V, 3-PHASE, 4-WIRE, 1000A SIEMENS SWITCHBOARD.
- 8 INSTALL DUPLEX RECEPTACLE BEHIND INTERACTIVE SMARTBOARD.
- 9 COORDINATE EXACT LOCATION OF DISCONNECT SWITCH WITH ELEVATOR EQUIPMENT SUPPLIER.
- 10 COORDINATE EXACT LOCATION OF ELEVATOR CONTROLLER WITH ELEVATOR EQUIPMENT SUPPLIER.
- 11 TO RECEPTACLE ON TOP OF ELEVATOR SHAFT. SEE "SECOND FLOOR ELEVATOR PLAN - POWER - NEW WORK" ON THIS DRAWING.
- 12 DOWN TO RECEPTACLE IN ELEVATOR PIT.
- 13 PROVIDE DISCONNECT SWITCH WITH NORMALLY CLOSED AUXILIARY CONTACTS FOR USE BY ELEVATOR INSTALLER. COORDINATE WITH ELEVATOR SUPPLIER.
- 14 CONNECT HOMERUN TO EXISTING 15A-1P CIRCUIT BREAKER IN PANEL AND SPACE INDICATED.
- 15 PROVIDE CONDUIT WITH PULLWIRE BETWEEN "OU-1" AND "IU-1". FOLLOW PATH OF REFRIGERANT PIPING. EQUIPMENT WIRING PROVIDED BY SUPPLIER OF EQUIPMENT. IN ACCORDANCE WITH MECHANICAL SPECIFICATIONS. CONDUIT AND ELECTRICAL CONNECTIONS TO EQUIPMENT PROVIDED BY DIVISION 26 SUB-CONTRACTOR. COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- 16 PROVIDE 2 #10 AND 1 #10 GROUND IN 1/2" CONDUIT AND CONNECT TO SPARE 25A-2P CIRCUIT BREAKER IN PANEL AND SPACE INDICATED.
- 17 CONNECT HOMERUN TO SPARE 15A-1P CIRCUIT BREAKER IN PANEL AND SPACE INDICATED.
- 18 PROVIDE GFCI TYPE CIRCUIT BREAKER IN PANEL AND SPACE INDICATED. CONNECT HOMERUN TO NEW CIRCUIT BREAKER.
- 19 PROVIDE ELECTRICAL CONNECTION TO IU-1 VIA 3-POLE DISCONNECT SWITCH PROVIDED WITH UNIT.



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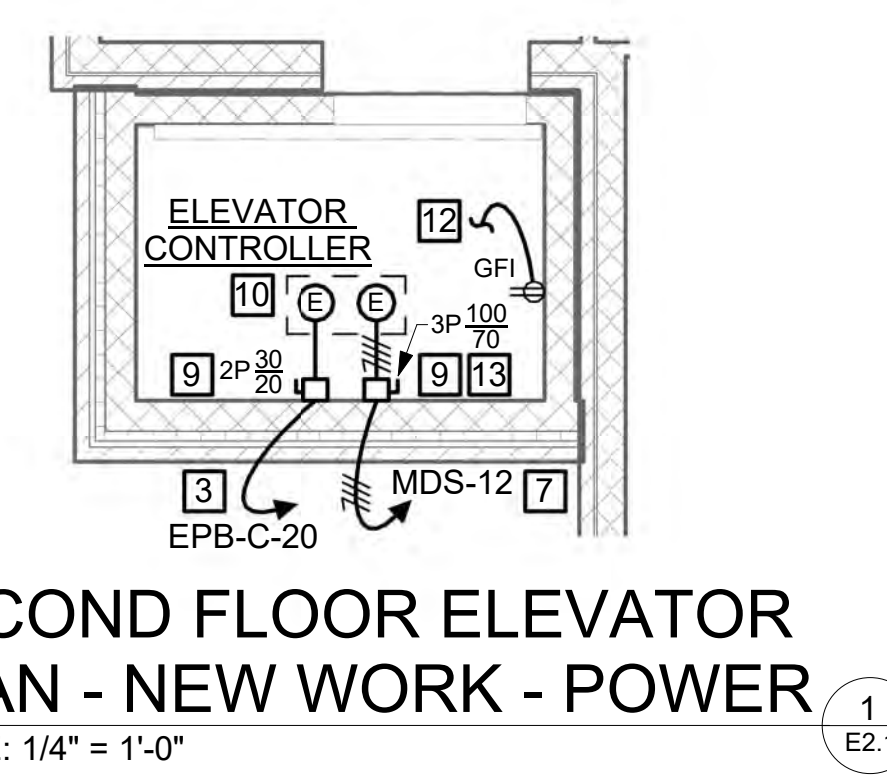


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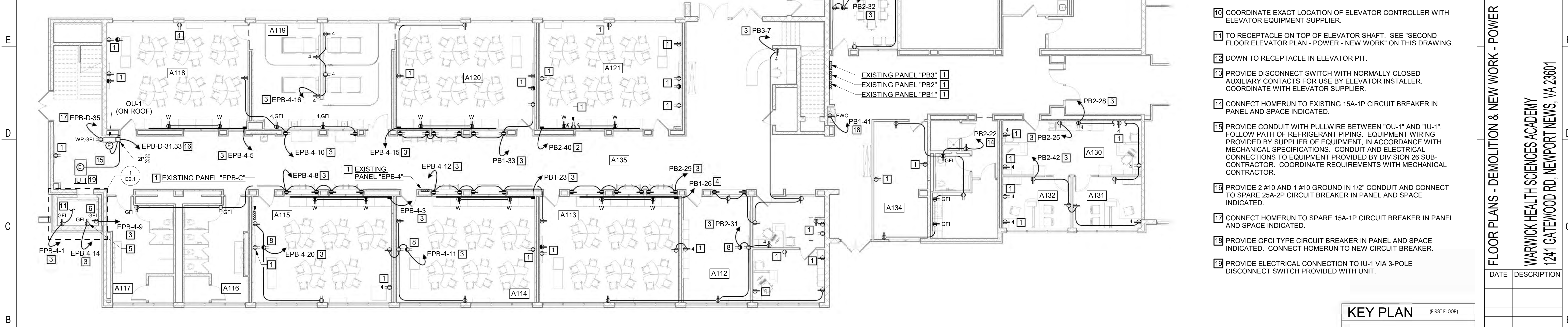
FLOOR PLANS - DEMOLITION & NEW WORK - POWER

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1241 GATEWOOD RD., NEWPORT NEWS, VA 23601

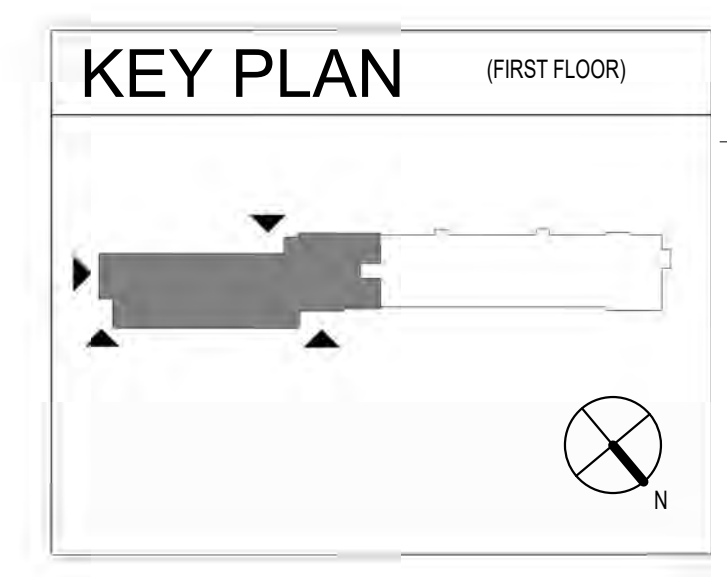
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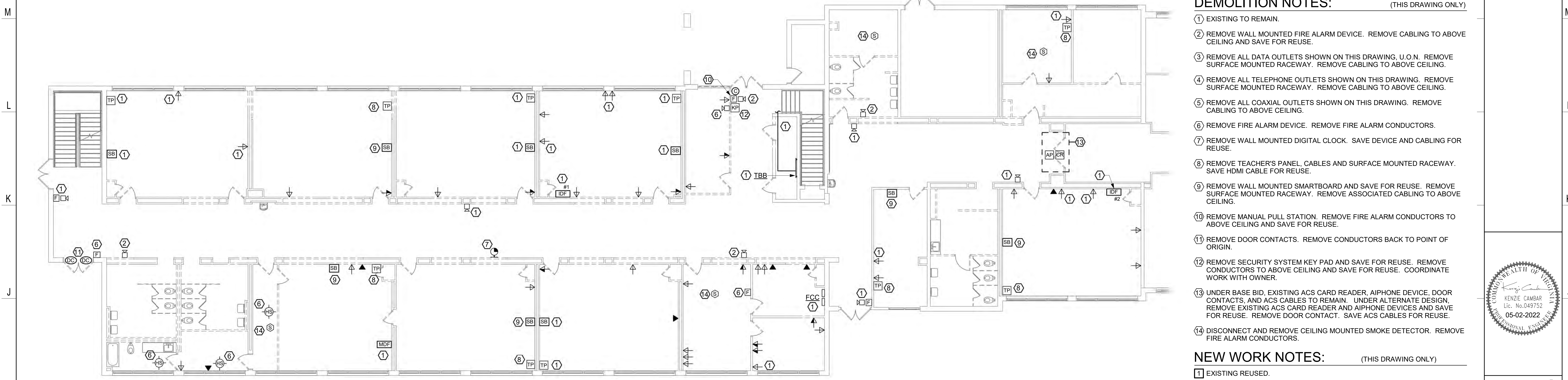
SECOND FLOOR ELEVATOR PLAN - NEW WORK - POWER (1)
SCALE: 1/4" = 1'-0"



FIRST FLOOR PLAN - NEW WORK - POWER
SCALE: 1/8" = 1'-0"



E2.1
6/8/2022
BID SET



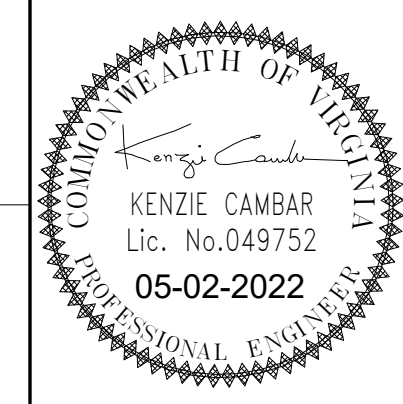
FIRST FLOOR PLAN - DEMOLITION - AUXILIARY SYSTEMS ③④⑤
SCALE: 1/8" = 1'-0"

DEMOLITION NOTES: (THIS DRAWING ONLY)

- ① EXISTING TO REMAIN.
- ② REMOVE WALL MOUNTED FIRE ALARM DEVICE. REMOVE CABLING TO ABOVE CEILING AND SAVE FOR REUSE.
- ③ REMOVE ALL DATA OUTLETS SHOWN ON THIS DRAWING, U.O.N. REMOVE SURFACE MOUNTED RACEWAY. REMOVE CABLING TO ABOVE CEILING.
- ④ REMOVE ALL TELEPHONE OUTLETS SHOWN ON THIS DRAWING. REMOVE SURFACE MOUNTED RACEWAY. REMOVE CABLING TO ABOVE CEILING.
- ⑤ REMOVE ALL COAXIAL OUTLETS SHOWN ON THIS DRAWING. REMOVE CABLING TO ABOVE CEILING.
- ⑥ REMOVE FIRE ALARM DEVICE. REMOVE FIRE ALARM CONDUCTORS.
- ⑦ REMOVE WALL MOUNTED DIGITAL CLOCK. SAVE DEVICE AND CABLING FOR REUSE.
- ⑧ REMOVE TEACHER'S PANEL, CABLES AND SURFACE MOUNTED RACEWAY. SAVE HDMI CABLE FOR REUSE.
- ⑨ REMOVE WALL MOUNTED SMARTBOARD AND SAVE FOR REUSE. REMOVE SURFACE MOUNTED RACEWAY. REMOVE ASSOCIATED CABLING TO ABOVE CEILING.
- ⑩ REMOVE MANUAL PULL STATION. REMOVE FIRE ALARM CONDUCTORS TO ABOVE CEILING AND SAVE FOR REUSE.
- ⑪ REMOVE DOOR CONTACTS. REMOVE CONDUCTORS BACK TO POINT OF ORIGIN.
- ⑫ REMOVE SECURITY SYSTEM KEY PAD AND SAVE FOR REUSE. REMOVE CONDUCTORS TO ABOVE CEILING AND SAVE FOR REUSE. COORDINATE WORK WITH OWNER.
- ⑬ UNDER BASE BID, EXISTING ACS CARD READER, AIPHONE DEVICE, DOOR CONTACTS, AND ACS CABLES TO REMAIN. UNDER ALTERNATE DESIGN, REMOVE EXISTING ACS CARD READER AND AIPHONE DEVICES AND SAVE FOR REUSE. REMOVE DOOR CONTACT. SAVE ACS CABLES FOR REUSE.
- ⑭ DISCONNECT AND REMOVE CEILING MOUNTED SMOKE DETECTOR. REMOVE FIRE ALARM CONDUCTORS.

NEW WORK NOTES: (THIS DRAWING ONLY)

- ① EXISTING REUSED.
- ② REINSTALL WALL MOUNTED DIGITAL CLOCK SAVED DURING DEMOLITION. CONNECT TO EXISTING CABLING SAVED DURING DEMOLITION.
- ③ INSTALL NEW SMOKE DETECTOR IN ELEVATOR PIT. INTERLOCK SMOKE DETECTOR WITH ELEVATOR CONTROLLER AS DIRECTED BY SUPPLIER OF EQUIPMENT.
- ④ INTERLOCK HEAT DETECTOR WITH ELEVATOR CONTROLLER. INSTALL HEAT DETECTOR WITHIN 2' OF SPRINKLER HEAD IN ACCORDANCE WITH NFPA REQUIREMENTS.
- ⑤ PROVIDE 3/4" CONDUIT WITH PULLWIRE FOR TELEPHONE CABLE TO ELEVATOR CONTROLLER.
- ⑥ SEE "ELEVATOR COMMUNICATION SYSTEM RISER DIAGRAM" ON DRAWING E0.2 FOR ADDITIONAL INFORMATION.
- ⑦ INTERLOCK NEW SMOKE DETECTOR WITH ELEVATOR CONTROLLER AS DIRECTED BY SUPPLIER OF EQUIPMENT.
- ⑧ INSTALL NEW SMOKE DETECTOR ON TOP OF ELEVATOR SHAFT. INTERLOCK SMOKE DETECTOR WITH ELEVATOR CONTROLLER.
- ⑨ CONNECT ALL EXISTING AND NEW FIRE ALARM DEVICES TO EXISTING FIRE ALARM CONTROL PANEL.
- ⑩ PROVIDE NEW CEILING MOUNTED INTERCOM SPEAKER. INSTALL IN NEW CEILING. CONNECT TO EXISTING INTERCOM SYSTEM.
- ⑪ REINSTALL EXISTING SMARTBOARD SAVED DURING DEMOLITION. PROVIDE SURFACE MOUNTED RACEWAY FROM SMARTBOARD TO ABOVE LAY-IN TILE CEILING. PROVIDE ONE CAT 5E PLENUM RATED CABLE HOMERUN WITH INSERTS FROM BEHIND SMARTBOARD AND TERMINATE IN EXISTING MDF CABINET.
- ⑫ REINSTALL EXISTING WALL MOUNTED FIRE ALARM DEVICE. CONNECT TO EXISTING FIRE ALARM CONDUCTORS SAVED DURING DEMOLITION.
- ⑬ REINSTALL EXISTING MANUAL PULL STATION. CONNECT TO EXISTING FIRE ALARM CONDUCTORS SAVED DURING DEMOLITION.
- ⑭ REINSTALL EXISTING SECURITY SYSTEM KEY PAD ON NEW WALL. RECONNECT TO EXISTING CONDUCTORS SAVED DURING DEMOLITION.
- ⑮ PROVIDE ACCESS CONTROL (ACS) DOOR CONTACTS AND ACS CONNECTION TO CONTACTS.
- ⑯ UNDER BASE BID, EXISTING ACS CARD READER, AIPHONE DEVICE, AND DOOR CONTACT TO REUSED. PROVIDE ACCESS CONTROL (ACS) CONNECTION TO CONTACTS IN THE NEW PANIC HARDWARE. PROVIDE ACS DOOR CONTACTS AND CONNECT TO EXISTING ACCESS CONTROL PANEL. COORDINATE THIS WORK WITH THE OWNER. UNDER ALTERNATE DESIGN, REINSTALL EXISTING ACS CARD READER AND AIPHONE DEVICES. PROVIDE ACCESS CONTROL (ACS) CONNECTION TO CONTACTS IN THE NEW PANIC HARDWARE ON BOTH DOORS, PROVIDE NEW ACS CARD READER ON THE PEEP ACADEMY. PROVIDE NEW DOOR CONTACTS FOR BOTH DOORS, AND CONNECT ALL NEW ACS DEVICES TO EXISTING ACCESS CONTROL PANEL. COORDINATE THIS WORK WITH THE OWNER.
- ⑰ TERMINATE ALL CAT 5E HOMERUNS IN THIS SPACE IN EXISTING MDF CABINET.
- ⑱ TERMINATE ALL CAT 5E HOMERUNS IN THIS SPACE IN EXISTING IDF CABINET #1.
- ⑲ TERMINATE ALL CAT 5E HOMERUNS IN THIS SPACE IN EXISTING IDF CABINET #2.
- ⑳ TERMINATE CAT 5E CABLE FROM THIS OUTLET TO IDF CABINET #1.
- ㉑ REINSTALL EXISTING SMARTBOARD SAVED DURING DEMOLITION. PROVIDE SURFACE MOUNTED RACEWAY FROM SMARTBOARD TO ABOVE LAY-IN TILE CEILING. PROVIDE ONE CAT 5E PLENUM RATED CABLE HOMERUN WITH INSERTS FROM BEHIND SMARTBOARD AND TERMINATE IN EXISTING IDF CABINET #2.
- ㉒ PROVIDE NEW CEILING MOUNTED FIRE ALARM DEVICE IN NEW CEILING. PROVIDE NEW FIRE ALARM CONDUCTORS. CONNECT TO EXISTING FIRE ALARM CONTROL PANEL.

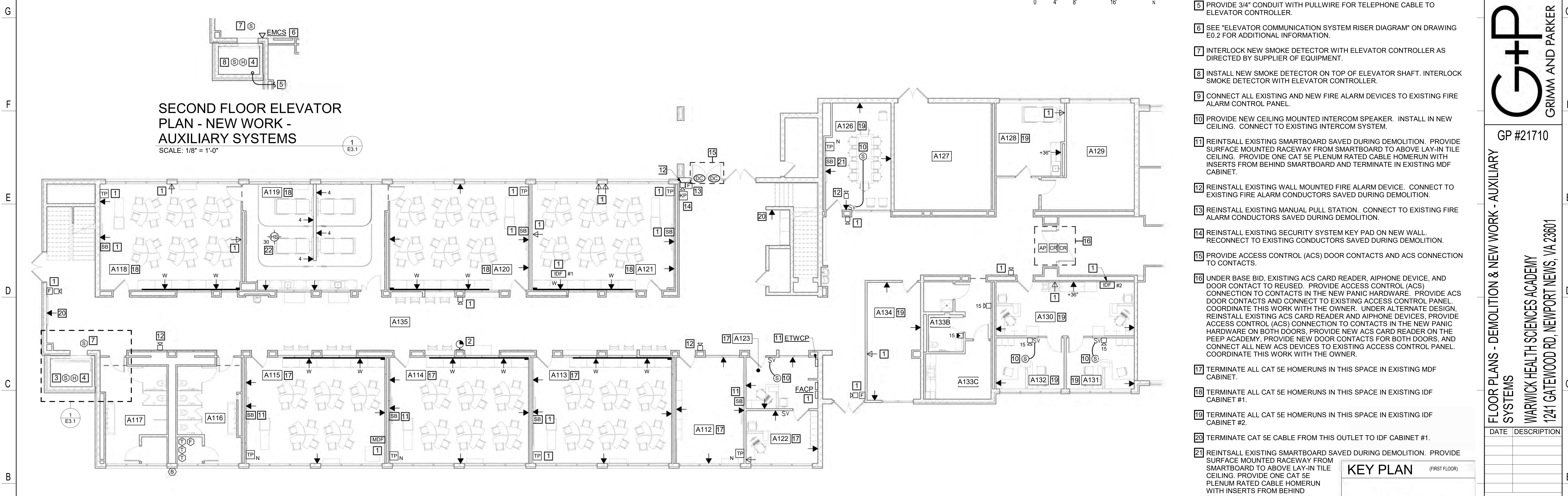


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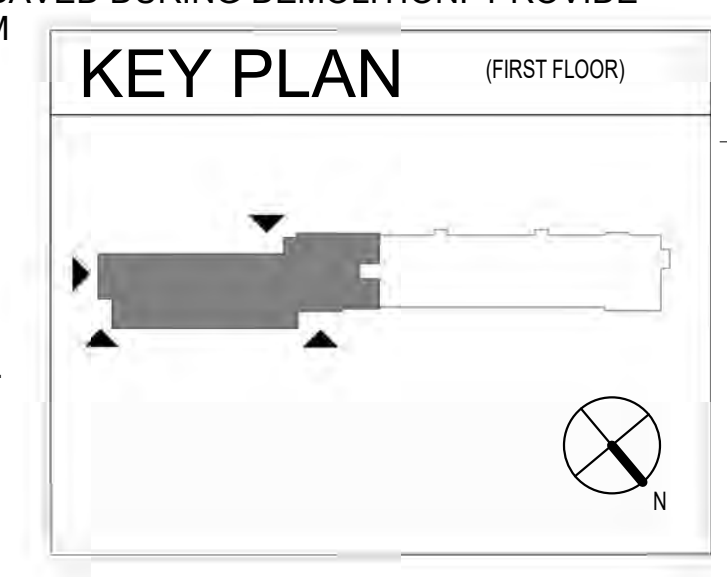


GP #21710

FLOOR PLANS - DEMOLITION & NEW WORK - AUXILIARY SYSTEMS
WARWICK HEALTH SCIENCES ACADEMY
1241 GATEWOOD RD., NEWPORT NEWS, VA 23601



FIRST FLOOR PLAN - NEW WORK - AUXILIARY SYSTEMS ⑨
SCALE: 1/8" = 1'-0"



DATE	DESCRIPTION

E3.1
6/8/2022
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