

NYACK UFSD

PROFESSIONAL DEVELOPMENT CENTER

13A DICKINSON AVENUE  
NYACK, NY 10960

OCTOBER 12, 2022

PROFESSIONAL  
DEVELOPMENT CENTER

NY SED Project. No  
50-03-04-03-1-005-006

KG+D Project No.  
2021-1048

DESIGN TEAM

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KG+D Architects

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Mount Kisco, NY 10549  
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STRUCTURAL ENGINEER  
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SPECIFICATION CONSULTANT  
SUE MCCLYMONDS

200 Robb Road  
Amsterdam, NY 12010  
phone: 518-843-4054

ISSUE FOR REBID



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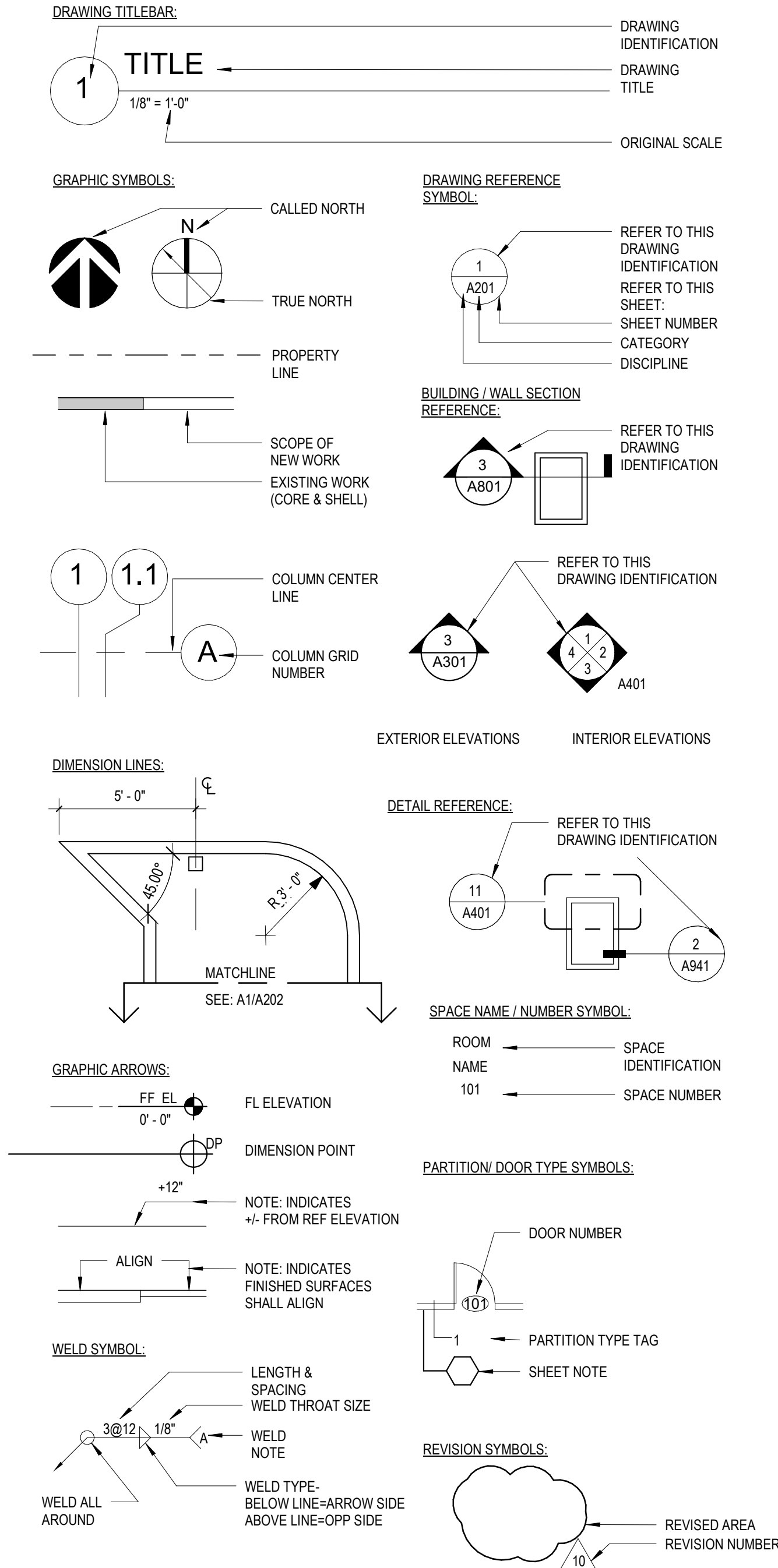
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ABBREVIATIONS

AFF	ABOVE FINISH FLOOR	FAB	FABRIC	MAINT	MAINTAIN/MAINTENANCE	S	SAFETY GLZING/SEE SPEC
ACM	ASBESTOS CONTAINING MATERIAL	FTF	FACE TO FACE	MAX	MAXIMUM	SCHED	SCHEDULE/SCHEDULED
ACPL	ACOUSTIC PANEL	FIN	FINISHED	MFG	MANUFACTURER	SECT	SECTION
ACT	ACOUSTIC CEILING TILE	FA	FIRE ALARM	MSNRY	MASONRY	SFB	SPLIT FACE BLOCK
ADJ	ADJUSTABLE	FD	FLOOR DRAIN	MO	MASONRY OPENING	SH	SHELVING/SHELF/SHELVES
AC	AIR CONDITIONING	FDMPR	FIRE DAMPER	MATL	MATERIAL	SIM	SIMILAR
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL	FE	FIRE EXTINGUISHER	MECH	MECHANICAL	SL	SLATE
AHAP	AS HIGH AS POSSIBLE	FEC	FIRE EXTINGUISHER CABINET	MTL	METAL	STC	SOUND TRANSMISSION CLASS
ALUM	ALUMINUM	FF	FACTORY FINISH	MCP	METAL COMPOSITE PANEL	SPEC	SPECIFICATION
AMP	ACRYLIC MODIFIED POLYESTER	FHC	FIRE HOSE CABINET	MCB	METAL CORNER BEAD	SQFT	SQUARE FOOT
APPROX	APPROXIMATE	FHVC	FIRE HOSE VALVE CABINET	MS	METAL STUD	ST	SAND, STAIN & SEAL
		FR	FIRE RATED	MLWK	MILL WORK	STSL	STAINLESS STEEL
		FRD	FRENCH DRAIN	MIN	MINIMUM	STL	STEEL
		FFSC	FIRE RATED ASSEMBLY (DOORS)	MISC	MISCELLANEOUS	STR	STRUCTURAL/STRUCTURE
		FRTD	FIRE RETARDANT	MLDG	MOLDING	SUSP	SUSPENDED/SUSPENSION
		FIX	FIXTURE	MTG	MOUNTING		
		FUFLR	FLOOR			T	TOP
		FLUOR	FLUORESCENT	NIC	NOT IN CONTRACT	TB	TACKBOARD
		FL MTD	FLUSH MOUNTED	NTS	NOT TO SCALE	TBD	TO BE DETERMINED
		FT	FOOT/FEET	NO	NUMBER	TERR	TERRAZZO
		FDN	FOUNDATION			TFF	TOP FINISHED FLOOR
		FRITZ	FRITZ FLOOR (RTT) TILE	OC	ON CENTER	TMP GL	TEMPERED GLASS
				OPNG	OPENING	THERMO	THERMOSTAT
		GALV	GALVANIZED	OPP	OPPOSITE	T&B	TOP AND BOTTOM
		GFB	GROUND FACE BLOCK	OH	OPPOSITE HAND	TO	TOP OF
		GFRG	GLASS FIBER REINFORCED GYPSUM	OTS	OPEN TO STRUCTURE	TOS	TOP OF STEEL
		GL	GLASS	OUT	OUTLET	TQSS	TOP OF STRUCTURAL SLAB
		GOG	GOGGLE	OD	OUTSIDE DIAMETER	TOES	TOP OF EXISTING SLAB
		GWB	GYPSUM WALLBOARD	OF	OUTSIDE FACE	TRES	TERRAZZO RESILIENT TILE
						TRY	TYPICAL
		H	HEIGHT AFF	P	PAINTED	UNFIN	UNFINISHED
		HDW	HARDWARE	PT	PORCELAIN TILE	UNO	UNLESS NOTED OTHERWISE
		HDWD	HARDWOOD	PTB	PORCELAIN TILE BASE	UR	UNRINAL
		HD	HEAD	PR	PAIR	UTIL	UTILITY
		HDR	HEADER	PNL	PANEL		
		HVAC	HEATING, VENTILATING, AIR CONDITIONING	PTN	PARTITION	VAT	VINYL ASBESTOS TILE
		HR	HOUR	PL	PROPERTY LINE	VCT	VINYL COMPOSITE TILE
		HT	HEIGHT	PLAM	PLASTIC LAMINATE	VEN	VENEER
		HM	HOLLOW METAL	PLMB	PLUMBING	VERT	VERTICAL
		HMFR	HOLLOW METAL FRAME	PLYWD	PLYWOOD	VET	VINYL ENHANCED TILE
		DN	HORIZONTAL	PTWD	PRESERVATIVE TREATED WOOD	VIF	VERIFY IN FIELD
		HC	HANDICAP			VRS	VINYL REDUCER STRIP
				QT	QUARRY TILE	VT	VINYL TILE
				QTB	QUARRY TILE BASE	VVW	VINYL WALL COVERING
				QTY	QUANTITY		
						WB	WHITEBOARD
				RCP	REFLECTED CEILING PLAN	WC	WATER CLOSET
				REFL	REFLECTED	WF	WATER FOUNTAIN
				REQD	REQUIRED	WGL	WIRE GLASS
				RB	RUBBER BASE	WTH	WITH
				RTN	RETURN	W/C	WHEEL CHAIR
				RA	RETURN AIR	W/O	WITHOUT
				REV	REVISED/REVISION	WOM	WALK OFF MAT
				RFI	REQUEST FOR INFORMATION	WD	WOOD
				RO	ROUGH OPENING	WD BLKG	WOOD BLOCKING
				RT	RUBBER TREAT/TILE	WD DR	WOOD DOOR
				RTB	RUBBER TREAD BASE	WP	WATERPROOFING
				RTT	RESILIENT TERRAZZO TILE	WR	WARDROBE
				RW	RESCUE WINDOW	WW	WINDOW WALL
						YD	YARD
						YCO	YARD CLEANOUT
						ZCC	ZINC COATED COPPER

DRAWING ANNOTATIONS



MATERIAL LEGEND

	CMU WALL
	CMU WALL
	GWB WALL
	MASONRY VENEER
	GWB - "TYPE X" UNO (SEE SPECS)
	EXPOSED TO WEATHER OR MOISTURE)
	WOOD BLOCKING (PRESSURE TREATED ALL AREAS EXPOSED TO WEATHER OR MOISTURE)
	CAULK w/ BACKER ROD
	WATERPROOFING MEMBRANE, OR ROOFING MEMBRANE OR FLASHING RIGID INSULATION
	BATT INSULATION
	POROUS FILL
	SUITABLE COMPACTED BACKFILL (SEE SPEC)
	UNDISTURBED SOIL
	CAST-IN-PLACE CONCRETE OR CAST STONE
	GLASS SURFACE

GENERAL NOTES

- A. GENERAL NOTES:**
- THE CONTRACTOR SHALL PROVIDE COMPLETE PROJECT SYSTEMS AND COMPONENTS AND COMPLY WITH ALL REQUIREMENTS INDICATED ON THE PROJECT DOCUMENTS. ALL WORK TO BE COMPLETED IN MANNER TO PROVIDE OCCUPANCY PERMIT PRIOR TO LEASE COMMENCEMENT.
  - WORK WITHIN THE AREA BOUNDARIES INDICATED IN THE PROJECT DOCUMENTS, SHALL COMPLY WITH ALL APPLICABLE BUILDING CODE, REGULATION, & ORDINANCE REQUIREMENTS. OCCUPANTS ADJACENT TO THE PROJECT AREA BOUNDARIES SHALL CONTINUE UNINTERRUPTED OCCUPANCY DURING CONSTRUCTION OF THE PROJECT.
  - VERIFY FIELD CONDITIONS AND COORDINATION WITH THE PROJECT DOCUMENTS PRIOR TO PROCEEDING WITH THE WORK.
  - COORDINATE THE WORK WITH ALL REQUIREMENTS INDICATED IN THE PROJECT DOCUMENTS.
  - PERFORM THE WORK AT THE PROJECT SITE DURING NORMAL BUSINESS HOURS, UNLESS OTHERWISE NOTED.
  - COORDINATE THE WORK WITH EQUIPMENT, FURNISHINGS, AND SYSTEMS.
- B. DEFINITIONS:**
- "TYPICAL" OR "TYP" INDICATES IDENTICAL COMPLETE SYSTEM SHALL BE PROVIDED FOR EACH OCCURRENCE OF THE CONDITION NOTED.
  - "SIMILAR" OR "SIM" INDICATES COMPLETE SYSTEM AND COMPONENTS SHALL BE PROVIDED COMPARABLE TO THE CHARACTERISTICS FOR THE CONDITION NOTED.
  - "OPPOSITE HAND" OR "OH" INDICATES COMPLETE SYSTEM AND COMPONENTS SHALL BE PROVIDED AS A MIRROR IMAGE TO THE CHARACTERISTICS FOR THE CONDITION NOTED.
  - "AS REQUIRED" INDICATES COMPONENTS REQUIRED TO COMPLETE THE NOTED SYSTEM, AS INDICATED IN THE PROJECT DOCUMENTS, SHALL BE PROVIDED
  - "ALIGN" INDICATES ACCURATELY PROVIDE FINISH FACES OF MATERIALS IN STRAIGHT, TRUE, AND PLUMB RELATION TO ADJACENT MATERIALS.
- C. DIMENSIONS:**
- DIMENSIONS ARE INDICATED TO THE CENTERLINE OF THE STRUCTURAL GRID, FACE OF CONCRETE WALL, NOMINAL FACE OF CMU WALL, FACE OF PARTITION AS SCHEDULED, UNLESS OTHERWISE NOTED.
  - ALIGNMENT OF PARTITIONS AND FINISHES AS SCHEDULED SHALL BE STRAIGHT, TRUE & PLUMB. THE PRIORITY FOR PROJECT DIMENSIONS SHALL BE IN THE FOLLOWING ORDER:  
A. STRUCTURAL DRAWINGS  
B. LARGE SCALE DETAILS  
C. SMALL SCALE DETAILS  
D. ENLARGED VIEWS  
E. FLOOR PLANS AND ELEVATIONS
  - MINIMUM DIMENSIONS FOR ACCESSIBILITY CLEARANCES AND BUILDING CODE REQUIREMENTS SHALL BE MAINTAINED.
  - FLOOR ELEVATIONS ARE INDICATED TO THE FACE OF THE STRUCTURAL SLAB, UNLESS OTHERWISE NOTED.
  - VERTICAL DIMENSIONS ARE INDICATED FROM THE FLOOR ELEVATION TO FACE OF FINISHED MATERIAL, UNLESS NOTED ABOVE FINISH FLOOR -"AFF".
  - CEILING HEIGHTS ARE INDICATED FROM THE FLOOR ELEVATION TO THE FACE OF SUSPENDED ACOUSTIC PANEL CEILING GRID OR FACE OF FINISH MATERIAL FOR OTHER CEILING TYPES, UON.
  - DIMENSIONS SHOWN ON THE DRAWINGS SHALL INDICATE THE REQUIRED SIZE, CLEARANCE, AND DIMENSIONAL RELATIONSHIP BETWEEN PROJECT SYSTEMS AND COMPONENTS. DIMENSIONS SHALL NOT BE DETERMINED BY SCALING THE DRAWINGS.
- D. DRAWING SET ORGANIZATION:**
- EACH DRAWING SET SHEET IS IDENTIFIED BY THE SHEET NUMBER IN THE LOWER RIGHT HAND CORNER OF THE DRAWING TITLE BLOCK. THE SHEET TITLE PROVIDES A GENERAL DESCRIPTION OF THE CONTENTS OF THE SHEET.  
SHEET NUMBER EXAMPLE: A201  
"A" INDICATES THE DISCIPLINE THAT CREATED THE DRAWING  
"2" INDICATES THE DRAWING CATEGORY CONTAINED ON THE SHEET  
"01" INDICATES THE SHEET NUMBER
  - SHEET NUMBERS MAY INCLUDE SUPPLEMENTAL CHARACTERS TO PROVIDE ADDITIONAL INFORMATION, SUCH AS DRAWING CONTENT, PROJECT SECTOR OR PHASE. REFER TO THE DRAWING INDEX FOR A COMPLETE LIST OF SHEETS INCLUDED IN THE DOCUMENT SET.  
EXAMPLE: EL201A  
"EL" INDICATES THE DISCIPLINE THAT CREATED THE DRAWING AND THE DRAWING CONTENT = ELECTRICAL LIGHTING  
"A" INDICATES SECTOR "A" OF PLAN SHEET "201". REFER TO THE PROJECT KEY PLAN OR COMPOSITE PLAN INDICATING THE RELATIONSHIP OF THE SECTORS.
  - DRAWING SET INDEX INDICATES THE COMPLETE LIST OF SHEETS CONTAINED IN THE DRAWING SET, INDEXED BY DISCIPLINE, SHEET NUMBER AND SHEET TITLE, IN SEQUENTIAL ORDER. NOTE THAT ALL SEQUENTIAL SHEET NUMBERS MAY BE NOT USED IN THE DRAWING SET.
  - DISCIPLINE IDENTIFICATION, IN ORDER BOUND IN THE DRAWING SET. REFER TO THE DRAWING SET INDEX FOR DISCIPLINE CONTAINED IN THIS DRAWING SET:  
G GENERAL INFORMATION      M MECHANICAL  
CC CODE COMPLIANCE      E ELECTRICAL  
S STRUCTURAL      P PLUMBING  
A ARCHITECTURAL
  - DRAWING CATEGORY IDENTIFICATION. REFER TO THE DRAWING SET INDEX FOR DISCIPLINES, CATEGORIES, AND SHEET NUMBERS CONTAINED IN THIS DRAWING SET:

PROJECT INFORMATION

OWNER	NYACK PUBLIC SCHOOLS 13A DICKINSON AVE, NYACK, NY 10960  TELEPHONE: 845.353.7000 FAX: 845.353.7019
PROJECT LOCATION	NYACK PROFESSIONAL DEVELOPMENT CENTER 13A DICKINSON AVE, NYACK, NY 10960
TYPE OF PROJECT	RENOVATION
NYSED NUMBER	66-23-00-01-0-008-011
PROJECT COMMENCEMENT	SUMMER 2022
PROJECT COMPLETION	FALL 2022
APPLICABLE CODES	1. 2020 NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE 2. 2020 UNIFORM CODE SUPPLEMENTS 3. 1998 MANUAL OF PLANNING STANDARDS, THE UNIVERSITY OF THE STATE OF NEW YORK, THE STATE EDUCATION DEPARTMENT
WORK AREA	LEVEL 2

PROFESSIONAL DEVELOPMENT CENTER

NYACK UFSD

13A DICKINSON AVENUE  
NYACK, NY 10960

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NY SED PROJECT CONTROL NO.

50-03-04-03-1-005-006

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KEY PLAN

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5	2022-10-12	ISSUE FOR REBID
4	2022-08-03	BID ADDENDUM #3
2	2022-07-12	ISSUE FOR BID
1	2022-03-24	CONSTRUCTION DOCUMENTS

No.	Date	Issue
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Sheet Title

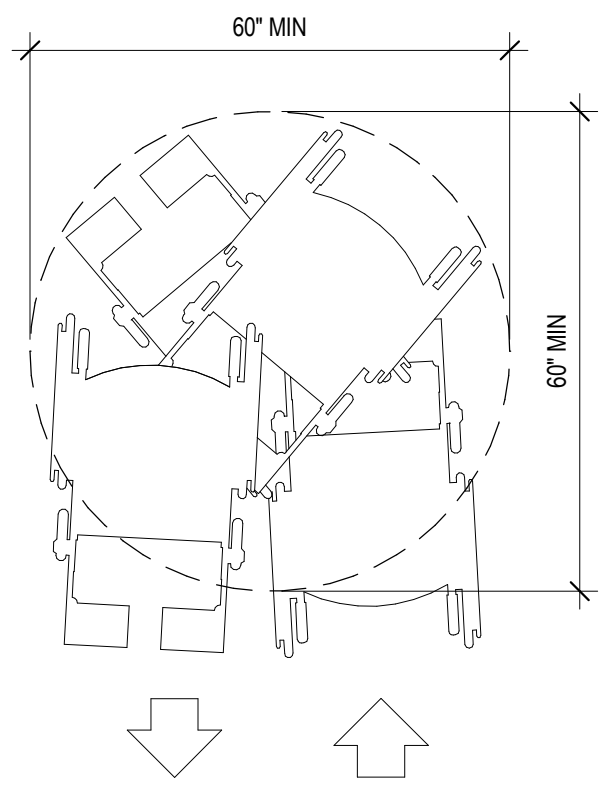
GENERAL INFORMATION

Job No.	Date
2021-1048	09/10/2021
Scale	Drawn / Checked
AS NOTED	Author Checker

Sheet Number



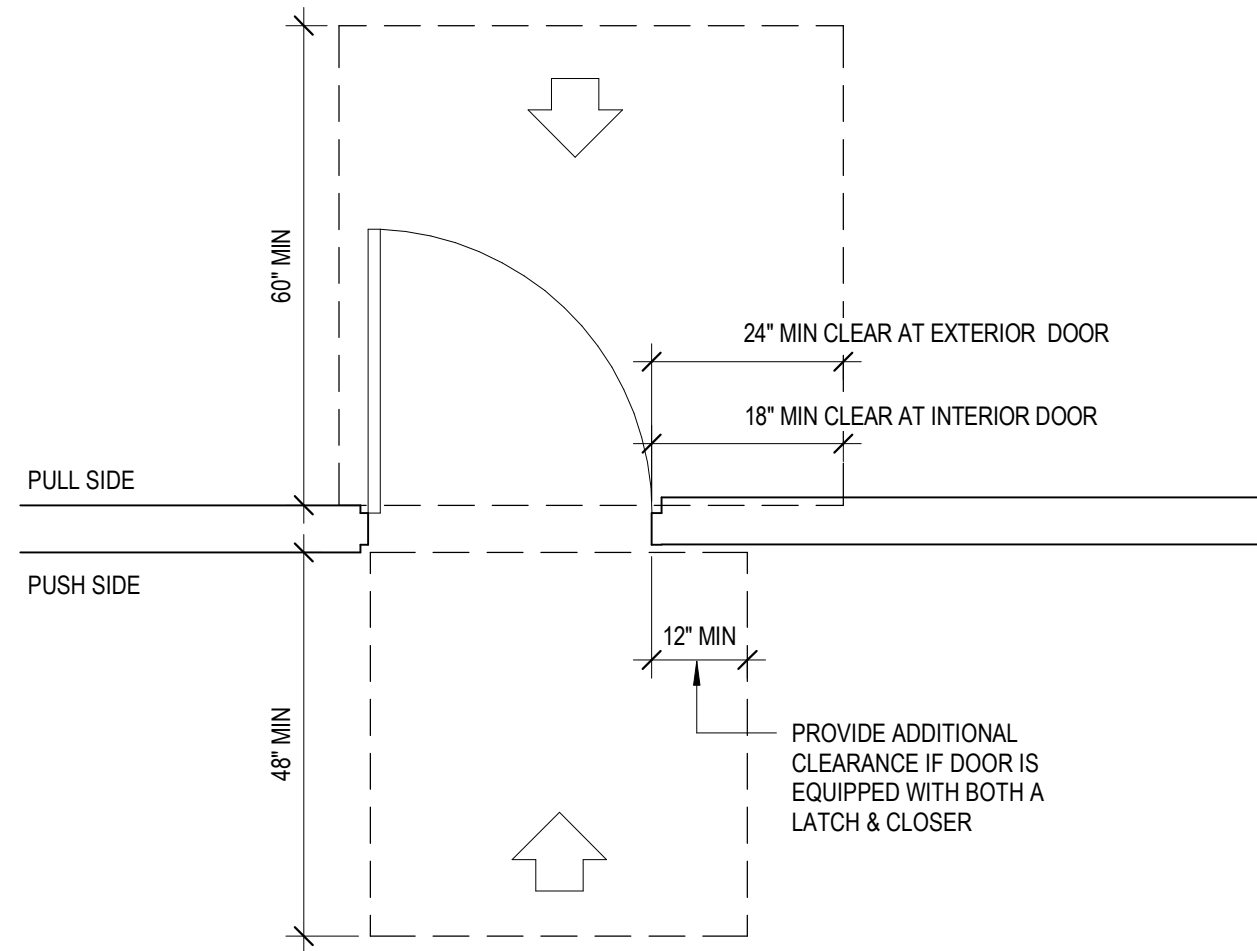
G001



SPACE NEEDED TO  
TURN A WHEELCHAIR

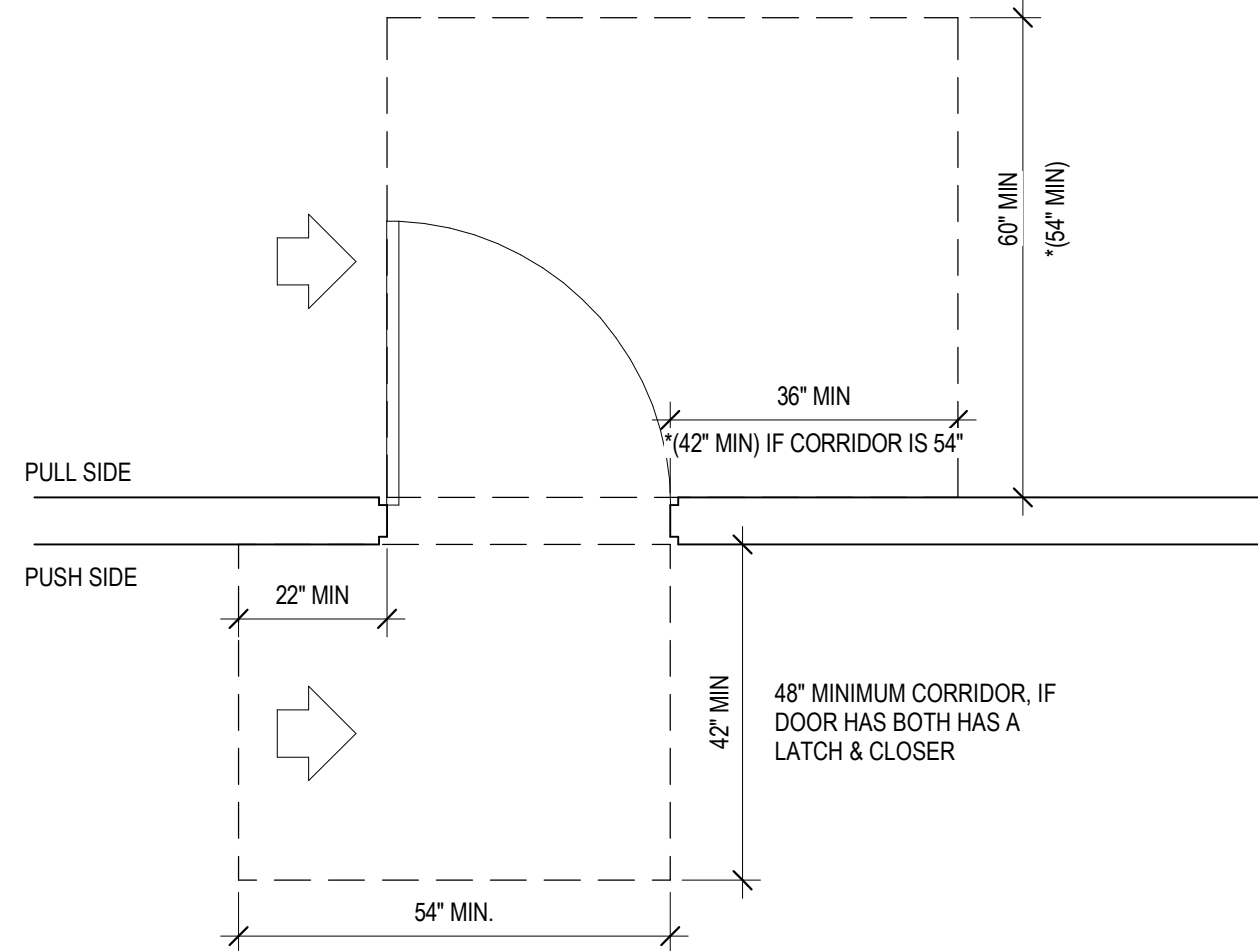
3 WHEELCHAIR TURNING RADIUS  
1/2" = 1'-0"

REF:  
ADA: 304.3  
ANSI:  
304.3  
G100-1006  
E

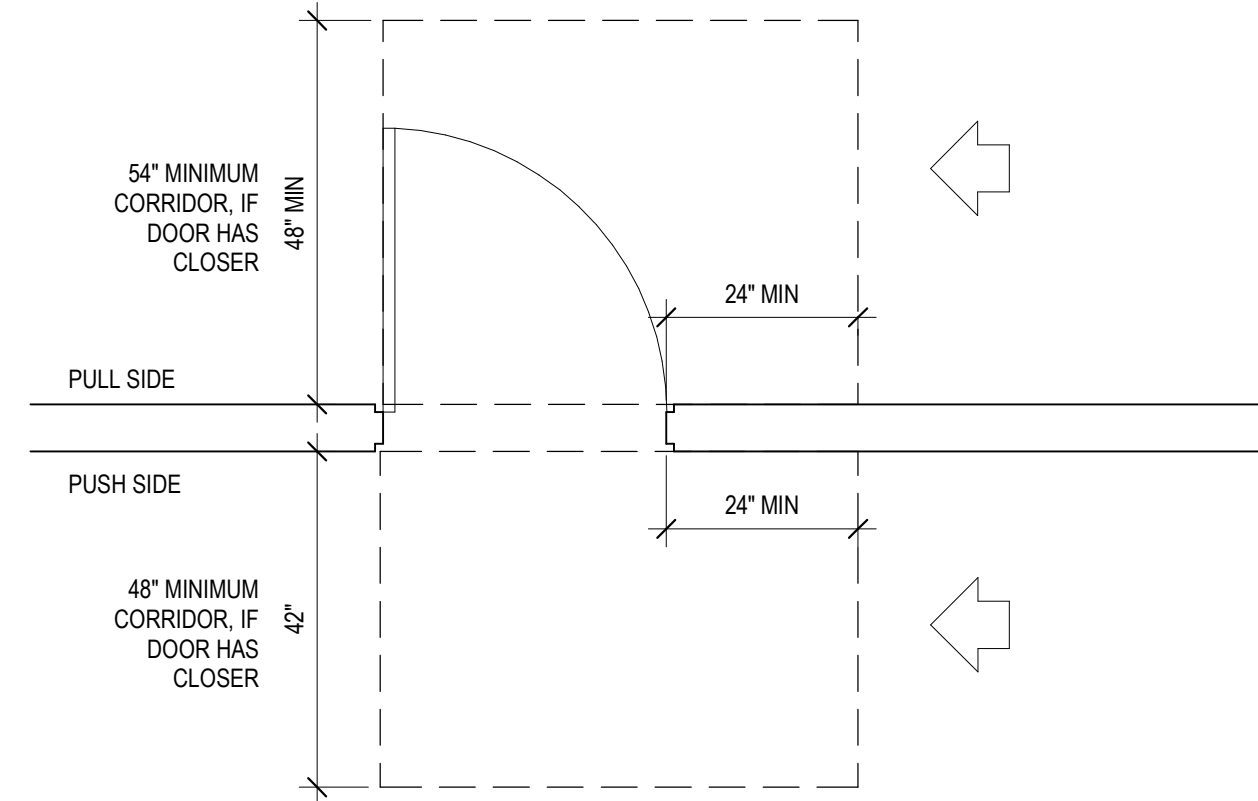


A. FRONT APPROACH

1 SWINGING DOOR APPROACH  
1/2" = 1'-0"

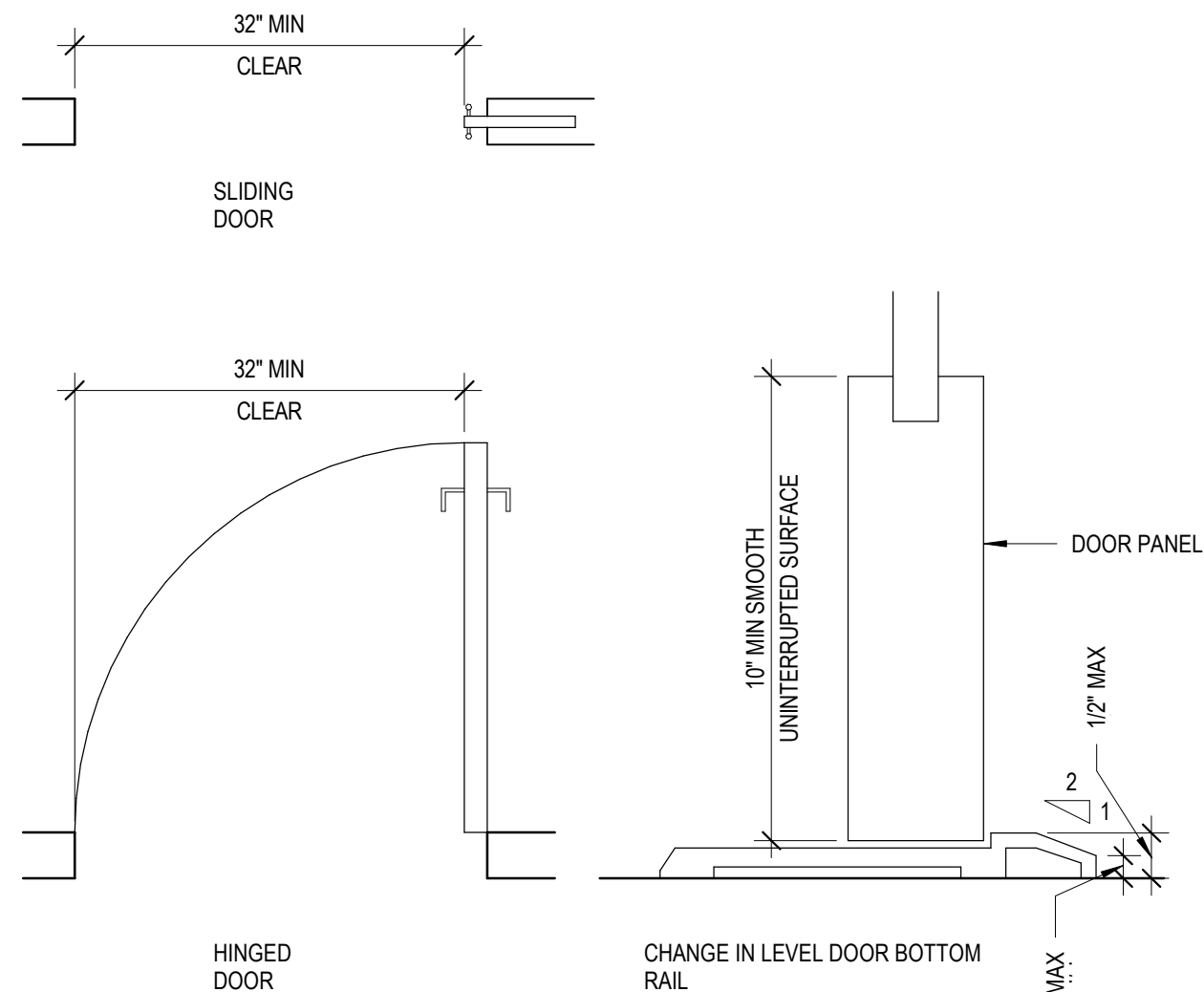


B. HINGE APPROACH



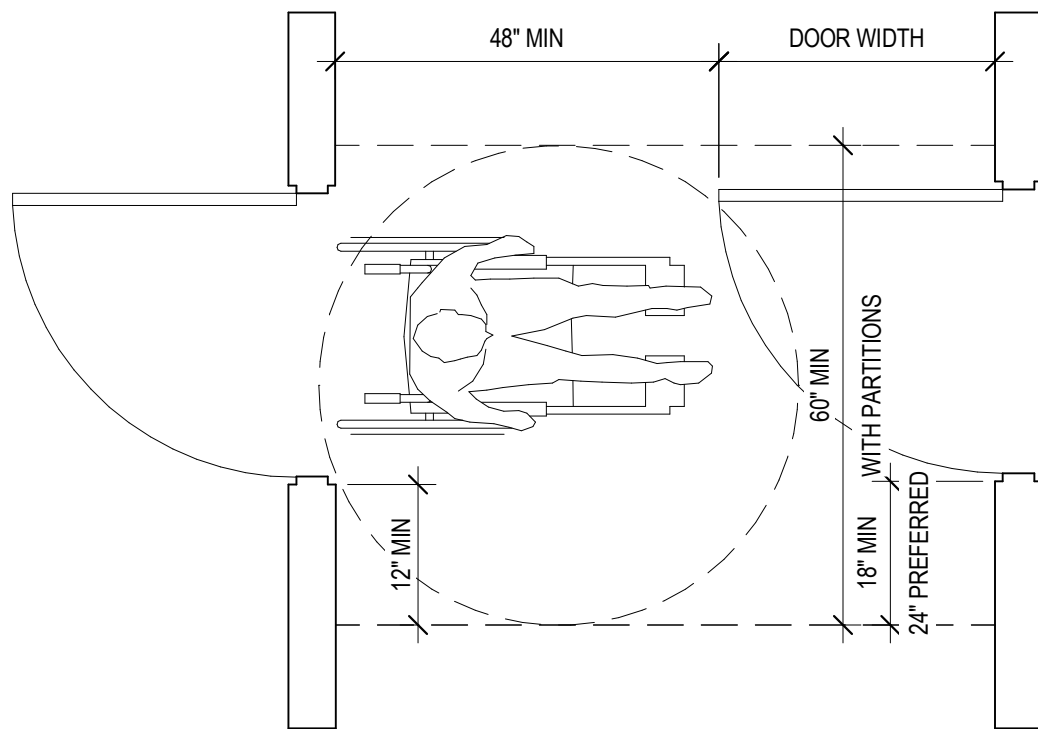
C. LATCH SIDE APPROACH

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ANSI:  
404.2.3.1  
G100-1007A



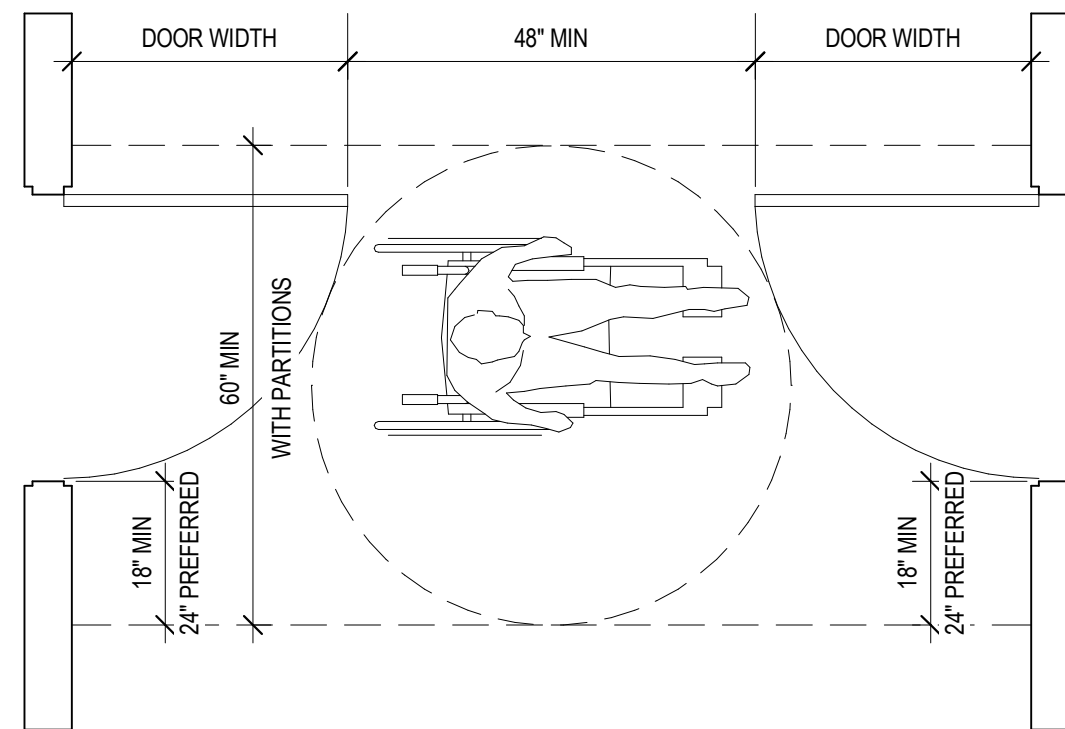
4 DOOR OPENING  
6" = 1'-0"

REF:  
ADA: 404.2, 303.3  
ANSI: 404.2.2,  
404.2.9  
G100-1007  
D

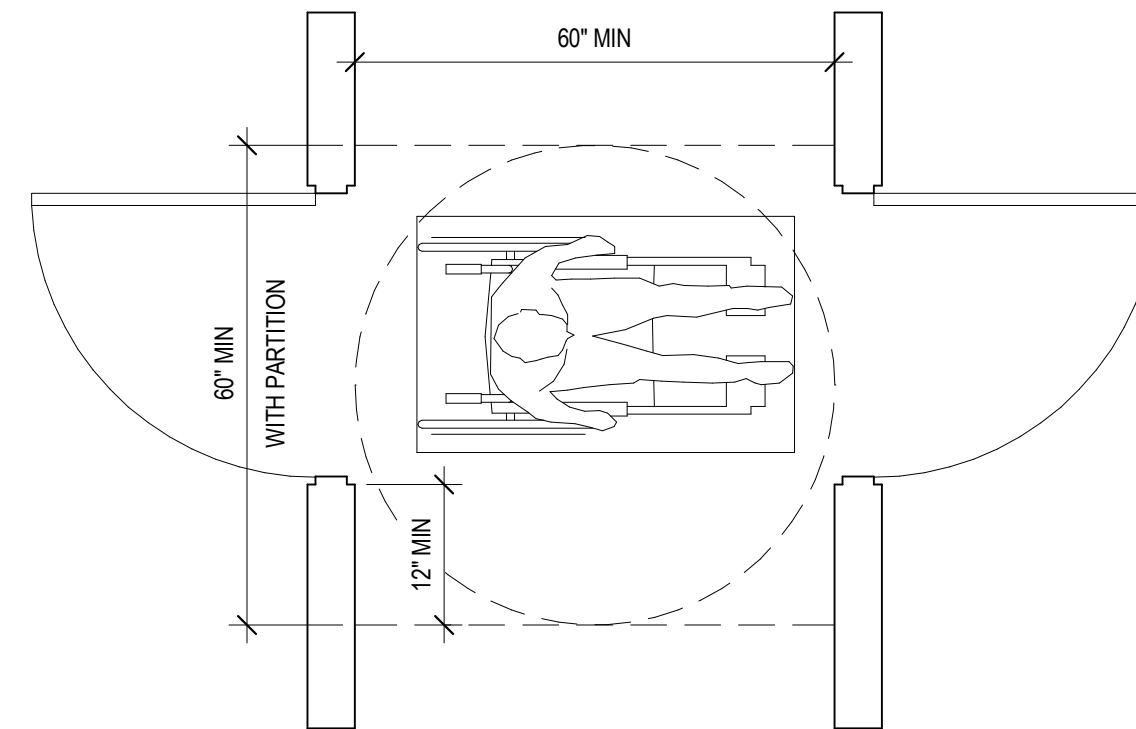


A

2 TWO HINGED DOORS IN SERIES  
1/2" = 1'-0"

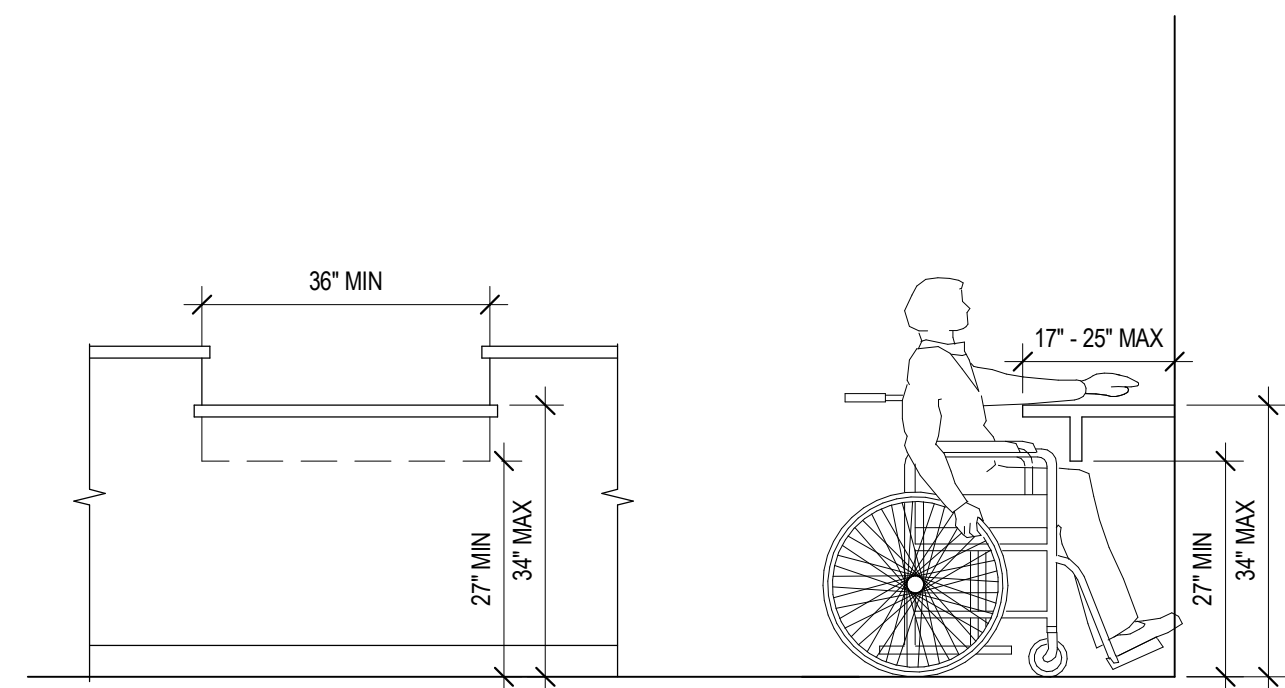


B



C

REF:  
ADA: 404.2.6  
ANSI:  
404.2.5  
G100-1007C



CLEARANCES FOR  
COUNTERS

5 MINIMUM CLEARANCE FOR COUNTER  
1/2" = 1'-0"

REF:  
ADA: 306.1  
ANSI:  
306.2  
G100-1009B

PROFESSIONAL  
DEVELOPMENT  
CENTER

NYACK UFSD

13A DICKINSON AVENUE  
NYACK, NY 10960

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imagine  
build  
**KG+D . ARCHITECTS PC**  
285 MAIN STREET MOUNT KISCO . NEW YORK . 10549  
P:914.666.5900 KGDARCHITECTS.COM

NY SED PROJECT CONTROL NO.

50-03-04-03-1-005-006

ISSUE FOR REBID

AREA OF WORK  
NO WORK

KEY PLAN

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5	2022-10-12	ISSUE FOR REBID
2	2022-07-12	ISSUE FOR BID
1	2022-03-24	CONSTRUCTION DOCUMENTS

No. Date Issue

Sheet Title

ACCESSIBILITY  
DIAGRAMS

Job No. 2021-1048 Date 09/10/2021

Scale AS NOTED Drawn / Checked Author Checker

Sheet Number

G002

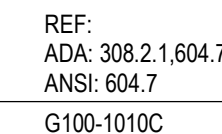
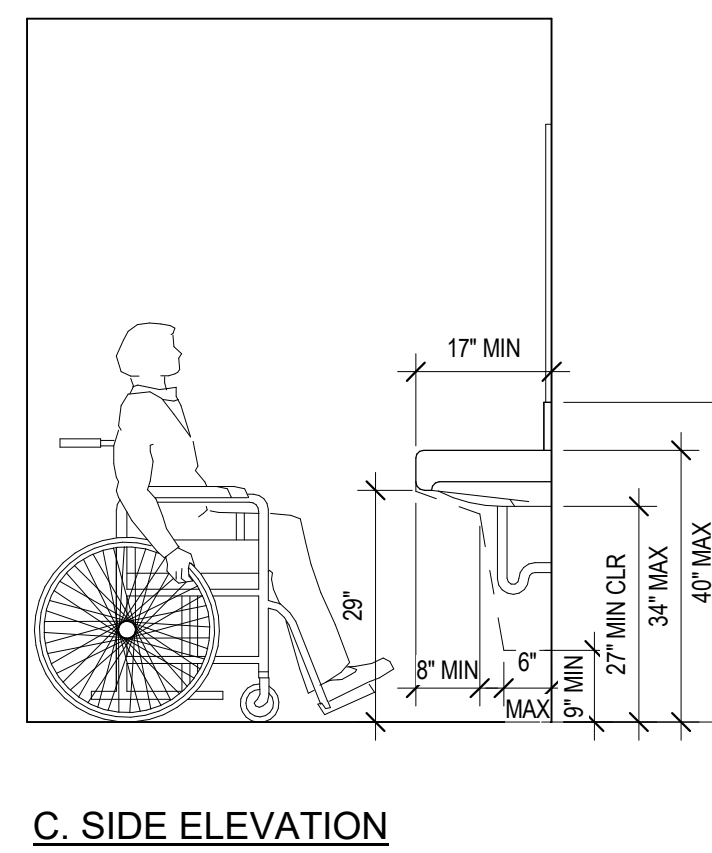
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build

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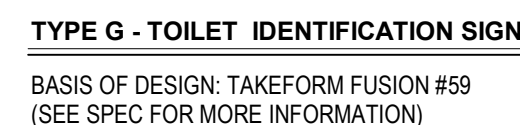
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ISSUE FOR REBID

G003


$$\sqrt{1/2'' = 1'-0''}$$

$$1/2'' = 1'-0''$$
G100-1010  
F
$$\frac{1}{2}'' = 1'-0$$

G100 1010E



SIGNAGE SCHEDULE					
ROOM NO.	LOCATION	SIGN TYPE	SIGN TEXT	QTY	DESCRIPTION
103	T	G	GENDER NEUTRAL	1	GENDER NEUTRAL TOILET ROOM
103	T				
107	T				
108	PANTRY				


5	2022-10-12	ISSUE FOR REBID
2	2022-07-12	ISSUE FOR BID
1	2022-03-24	CONSTRUCTION DOCUMENTS
No.	Date	Issue

Sheet TitleSheet No. 100

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## ACCESSIBILITY

## ACCESSIBILITY

## DIAGRAMS

## DIAGRAMS

## DISCUSSION

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Job No.	Date
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2021-1048	09/10/2021
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2021-10-10	2021-10-10

Scale	Drawn / Checked
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AS NOTED	Author Checker
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Sheet Number	
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Sheet Number

0002

(G00)3

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<b><u>BUILDING INFORMATION</u></b>	
USE & OCCUPANCY CLASSIFICATION:	ASSEMBLY (A - 3)
WORK CHARACTERIZATION:	RENOVATION LEVEL 2
CONSTRUCTION CLASSIFICATION:	TYPE IIIB
FIRE RATING FOR BEARING WALLS	
EXTERIOR*:	2 HRS
INTERIOR:	0 HRS
FIRE RATING FOR NON-BEARING WALLS AND PARTITIONS	
EXTERIOR:	1 HR
INTERIOR:	0 HRS
FIRE RATING FOR FLOORS (TYPE IIIB):	0 HRS
FIRE RATING FOR ROOFS (TYPE IIIB):	0 HRS
<b><u>BUILDING AREA:</u></b>	
EXISTING HEIGHT IN STORIES: 2	
ALLOWABLE HEIGHT IN STORIES: 2	
EXISTING TOTAL BUILDING AREA: 7,356 SF	
TOTAL ALLOWABLE AREA: 9,500 SF	
TOTAL PROJECT SCOPE AREA: 2,908 SF	
 *NOT LESS THAN THE FIRE-RESISTANCE RATING BASED ON FIRE SEPARATION DISTANCE (SEE TABLE 602). FROM TABLE 602, FIRE SEPARATION DISTANCE = $X > 30$ , FIRE RATING = 0 HRS.	

ASSEMBLY	FIRE-RESISTANCE RATING	TYPICAL LOCATIONS
FIRE BARRIER	1 HOUR	--
FIRE PARTITION	1 HOUR	--

ITEM	DWG SHOWN
ROOM USE DESIGNATIONS	CC DWGS
ROOM SQUARE FOOTAGE	CC DWGS
ROOM OCCUPANCY LOADS	CC DWGS
EXIT ACCESS/ TRAVEL DISTANCE	CC DWGS
GROUND FL:	150 FT MAX TO EXTERIOR DOOR
BASEMENT / 2ND FL:	120 FT MAX TO STAIR ENCLOSURE

EGRESS CAPACITY CALCULATIONS:								
<u>PER BC NYS</u>			REQUIRED			PROVIDED		
SPACE	AREA	OCC LOAD	EGRESS	# EXITS	MAX TRAV DISTANCE**	EGRESS	# EXITS	MAX TRAV DISTANCE**
HILLTOP DEVELOPMENT CENTER	3,198 SF	255	51" <small>(255 * 0.27)</small>	2	200' / 75'	204"	4	63'/53'

** TRAVEL DISTANCE/COMMON PATH OF TRAVEL DISTANCE
---

ITEM	DWG SHOWN
INTERIOR ACCESSIBLE ROUTE	ACCESSIBILITY DIAGRAMS
ACCESSIBLE ENTRANCES	ACCESSIBILITY DIAGRAMS
ACCESSIBLE TOILET FACILITIES	ACCESSIBILITY DIAGRAMS
SIGNAGE	ACCESSIBILITY DIAGRAMS, SPECIFICATIONS

THE OCCUPIED PORTION OF THE EXISTING SCHOOL BUILDING SHALL ALWAYS COMPLY WITH THE MINIMUM REQUIREMENTS NECESSARY TO MAINTAIN A CERTIFICATE OF OCCUPANCY.

ALL SCHOOL AREAS TO BE DISTURBED DURING RENOVATION OR DEMOLITION HAVE BEEN OR WILL BE TESTED FOR LEAD AND ASBESTOS.

GENERAL SAFETY AND SECURITY STANDARDS FOR CONSTRUCTION PROJECTS:

- (A) ALL CONSTRUCTION MATERIALS SHALL BE STORED IN A SAFE AND SECURE MANNER.
- (B) FENCES AROUND CONSTRUCTION SUPPLIES OR DEBRIS SHALL BE MAINTAINED.
- (C) GATES SHALL ALWAYS BE LOCKED UNLESS A WORKER IS IN ATTENDANCE TO PREVENT UNAUTHORIZED ENTRY.
- (D) DURING EXTERIOR RENOVATION WORK, OVERHEAD PROTECTION SHALL BE PROVIDED FOR ANY SIDEWALKS OR AREAS IMMEDIATELY BENEATH THE WORK SITE OR SUCH AREAS SHALL BE FENCED OFF AND PROVIDED WITH WARNING SIGNS TO PREVENT ENTRY.
- (E) WORKERS SHALL BE REQUIRED TO WEAR PHOTO-IDENTIFICATION BADGES AT ALL TIMES FOR IDENTIFICATION AND SECURITY PURPOSES WHILE WORKING AT OCCUPIED SITES.

SEPARATION OF CONSTRUCTION AREAS FROM OCCUPIED SPACES:

CONSTRUCTION AREAS WHICH ARE UNDER THE CONTROL OF A CONTRACTOR AND THEREFORE NOT OCCUPIED BY DISTRICT STAFF OR STUDENTS SHALL BE SEPARATED FROM OCCUPIED AREAS. PROVISIONS SHALL BE MADE TO PREVENT THE PASSAGE OF DUST AND CONTAMINANTS INTO OCCUPIED PARTS OF THE BUILDING. PERIODIC INSPECTION AND REPAIRS OF THE CONTAINMENT BARRIERS MUST BE MADE TO PREVENT EXPOSURE TO DUST OR CONTAMINANTS. GYPSUM BOARD MUST BE USED IN EXIT WAYS OR OTHER AREAS THAT REQUIRE FIRE RATED SEPARATION. HEAVY DUTY PLASTIC SHEETING MAY BE USED ONLY FOR A VAPOR, FINE DUST OR AIR INFILTRATION BARRIER, AND SHALL NOT BE USED TO SEPARATE OCCUPIED SPACES FROM CONSTRUCTION AREAS.

- (A) A SPECIFIC STAIRWELL AND/OR ELEVATOR SHOULD BE ASSIGNED FOR CONSTRUCTION WORKER USE DURING WORK HOURS. IN GENERAL, WORKERS MAY NOT USE CORRIDORS, STAIRS OR ELEVATORS DESIGNATED FOR STUDENTS OR SCHOOL STAFF.
- (B) LARGE AMOUNTS OF DEBRIS MUST BE REMOVED BY USING ENCLOSED CHUTES OR A SIMILAR SEALED SYSTEM. THERE SHALL BE NO MOVEMENT OF DEBRIS THROUGH HALLS OF OCCUPIED SPACES OF THE BUILDING. NO MATERIAL SHALL BE DROPPED OR THROWN OUTSIDE THE WALLS OF THE BUILDING.
- (C) ALL OCCUPIED PARTS OF THE BUILDING AFFECTED BY RENOVATION ACTIVITY SHALL BE CLEANED AT THE CLOSE OF EACH WORKDAY. SCHOOL BUILDINGS OCCUPIED DURING A CONSTRUCTION PROJECT SHALL MAINTAIN REQUIRED HEALTH, SAFETY AND EDUCATIONAL CAPABILITIES AT ALL TIMES THAT CLASSES ARE IN SESSION.

A PLAN DETAILING HOW EXITING REQUIRED BY THE APPLICABLE BUILDING CODE WILL BE MAINTAINED.

A PLAN DETAILING HOW ADEQUATE VENTILATION WILL BE MAINTAINED DURING CONSTRUCTION.

CONSTRUCTION AND MAINTENANCE OPERATIONS SHALL NOT PRODUCE NOISE IN EXCESS OF 60 DBA IN OCCUPIED SPACES OR SHALL BE SCHEDULED FOR TIMES WHEN THE BUILDING OR AFFECTED BUILDING SPACES ARE NOT OCCUPIED OR ACOUSTICAL ABATEMENT MEASURES SHALL BE TAKEN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF CHEMICAL FUMES, GASES, AND OTHER CONTAMINATES PRODUCED BY WELDING, GASOLINE OR DIESEL ENGINES, ROOFING, PAVING, PAINTING, ETC. TO ENSURE THEY DO NOT ENTER OCCUPIED PORTIONS OF THE BUILDING OR AIR INTAKES.

THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ACTIVITIES AND MATERIALS WHICH RESULT IN "OFF-GASSING" OF VOLATILE ORGANIC COMPOUNDS SUCH AS GLUES, PAINTS, FURNITURE, CARPETING, WALL COVERING, DRAPERY, ETC. ARE SCHEDULED, CURED OR VENTILATED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS BEFORE A SPACE CAN BE OCCUPIED.

LARGE AND SMALL ASBESTOS ABATEMENT PROJECTS AS DEFINED BY 12NYCRR56 SHALL NOT BE PERFORMED WHILE THE BUILDING IS OCCUPIED". NOTE, IT IS OUR INTERPRETATION THAT THE TERM "BUILDING", AS REFERENCED IN THIS SECTION, MEANS A WING OR MAJOR SECTION OF A BUILDING THAT CAN BE COMPLETELY ISOLATED FROM THE REST OF THE BUILDING WITH SEALED NON COMBUSTIBLE CONSTRUCTION. THE ISOLATED PORTION OF THE BUILDING MUST CONTAIN EXITS THAT DO NOT PASS THROUGH THE OCCUPIED PORTION AND VENTILATION SYSTEMS MUST BE PHYSICALLY SEPARATED AND SEALED AT THE ISOLATION BARRIER.

EXTERIOR WORK SUCH AS ROOFING, FLASHING, SIDING, OR SOFFIT WORK MAY BE PERFORMED ON OCCUPIED BUILDINGS PROVIDED PROPER VARIANCES ARE IN PLACE AS REQUIRED, AND COMPLETE ISOLATION OF VENTILATION SYSTEMS AND AT WINDOWS IS PROVIDED. CARE MUST BE TAKEN TO SCHEDULE WORK SO THAT CLASSES ARE NOT DISRUPTED BY NOISE OR VISUAL DISTRACTION.

SURFACES THAT WILL BE DISTURBED BY RECONSTRUCTION MUST HAVE A DETERMINATION MADE AS TO THE PRESENCE OF LEAD. PROJECTS WHICH DISTURB SURFACES THAT CONTAIN LEAD SHALL HAVE IN THE SPECIFICATIONS A PLAN PREPARED BY A CERTIFIED LEAD RISK ASSESSOR OR SUPERVISOR WHICH DETAILS PROVISIONS FOR OCCUPANT PROTECTION, WORKSITE PREPARATION, WORK METHODS, CLEANING AND CLEARANCE TESTING WHICH ARE IN GENERAL ACCORDANCE WITH THE HUD GUIDELINES.

PROJECT SCOPE:	THIS PROJECT INVOLVES LIMITED ALTERATION OF AN EXISTING DEVELOPMENT CENTER TO RENOVATED THE SPACE TO A FLEXIBLE PROFESSIONAL DEVELOPMENT SPACE WITH INTERIOR UPGRADES.
CLASSIFICATION OF WORK:	ALTERATION LEVEL 2
APPLICABLE CODES:	2020 UNIFORM FIRE PREVENTION AND BUILDING CODE 2020 UNIFORM CODE SUPPLEMENTS  NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE  MANUAL OF PLANNING STANDARDS - 1998 THE UNIVERSITY OF OF THE STATE OF NEW YORK  THE STATE EDUCATION DEPARTMENT
PROJECT LOCATION:	13A DICKINSON AVE, NYACK, NY 10960
NOTE:	CONSTRUCTION TO TAKE PLACE SUMMER 2022 COMPLETION TO TAKE PLACE IN FALL 2022

## Professional Seal

5	2022-10-12	ISSUE FOR REBID
2	2022-07-12	ISSUE FOR BID
1	2022-03-24	CONSTRUCTION DOCUMENTS
No.	Date	Issue

Job No. 2021-1048	Date 09/10/2021
Scale AS NOTED	Drawn / Checked Author Check

# CC001

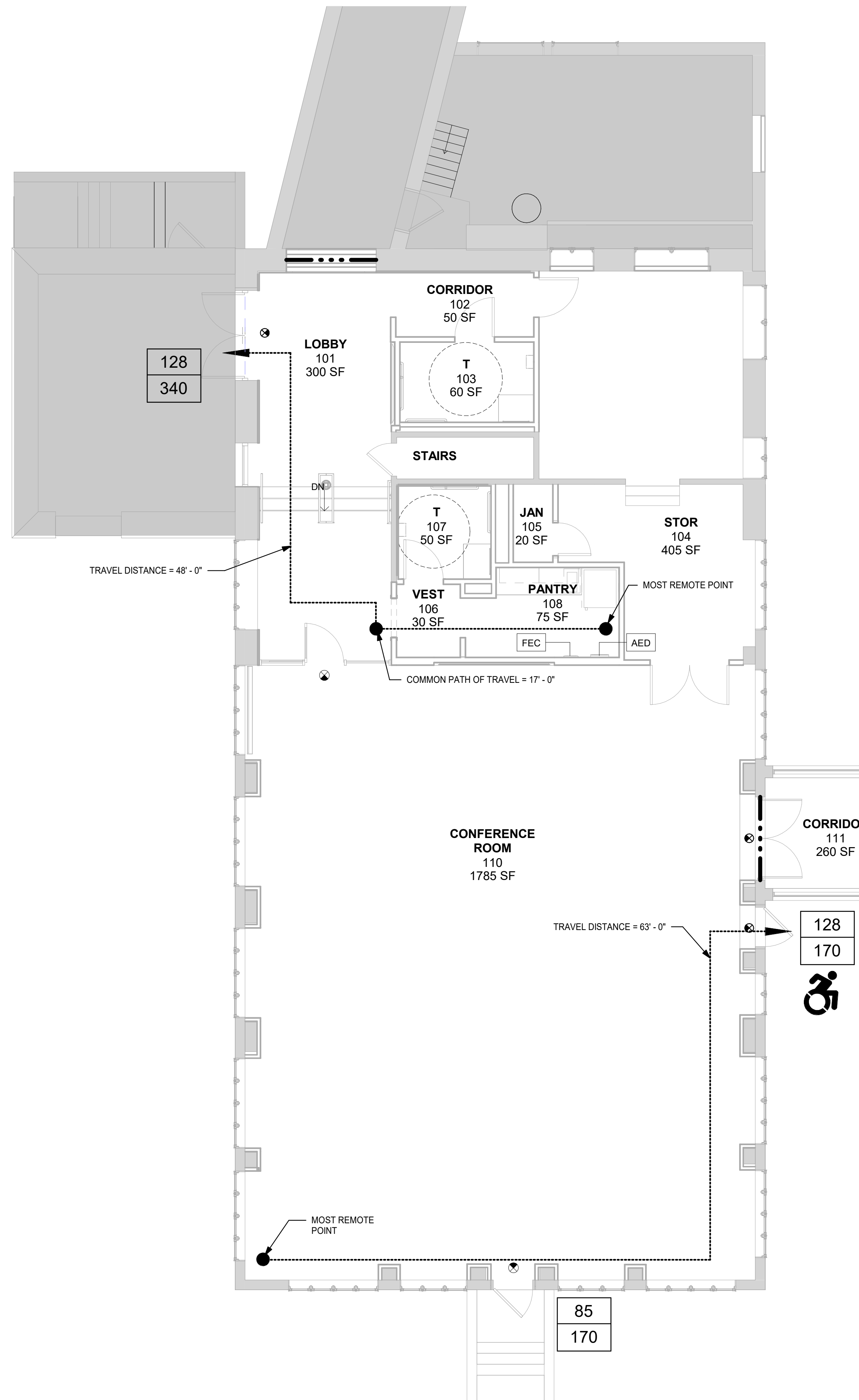
13A DICKINSON AVENUE  
NYACK, NY 10960



NY SED PROJECT CONTROL NO.

50-03-04-03-1-005-006

ISSUE FOR REBID




## EGRESS LEGEND





----- PATH OF EGRESS

▶ DIRECTION OF TRAVEL

305	<u>EXISTING EXIT CAPACITY</u>
343	ACTUAL LOAD
	MAXIMUM LOAD

 ADA ACCESSIBLE  
ENTRY/EGRESS

## CODE COMPLIANCE LEGEND

	— EGRESS LOAD
	— MAX CAPACITY
	FEC - FIRE EXTINGUISHER CABINET
	EXIT SIGN DIRECTION AS INDICATED

**DOOR CAPACITY CALCULATIONS (GENERAL)**  
AT 36" WIDE SINGLE DOORS, 34" CLEAR EGRESS WIDTH SHALL BE PROVIDED  
34" / 0.2" PER OCCUPANT = 170 OCCUPANT CAPACITY

AT 72" WIDE DOUBLE DOORS, 68" CLEAR EGRESS WIDTH SHALL BE PROVIDED  
68" / 0.2" PER OCCUPANT = 340 OCCUPANT CAPACITY

**DOOR CAPACITY CALCULATIONS (OVERALL)**

AREA OF WORK: 2,908 SF

**REQUIRED:** 255 OCCUPANTS X 0.2" PER OCCUPANT = 51"

**PROVIDED:** 170"

OCCUPANCY TABLE					
ROOM NAME	ROOM #	AREA	OCCUPANCY USE	CODE FACTOR	OCCUPANT LOAD
ASSEMBLY					
CONFERENCE ROOM	110	1783 SF	ASSEMBLY	7	255
ASSEMBLY: 1		1783 SF			255
STORAGE					
STOR	104	405 SF	STORAGE	300	1
STORAGE: 1		405 SF			1
		2188 SF			256

□ AREA OF WORK  
 ■ NO WORK

MAIN ENTRY

KEY PLAN

N

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1	2022-03-24	CONSTRUCTION DOCUMENTS
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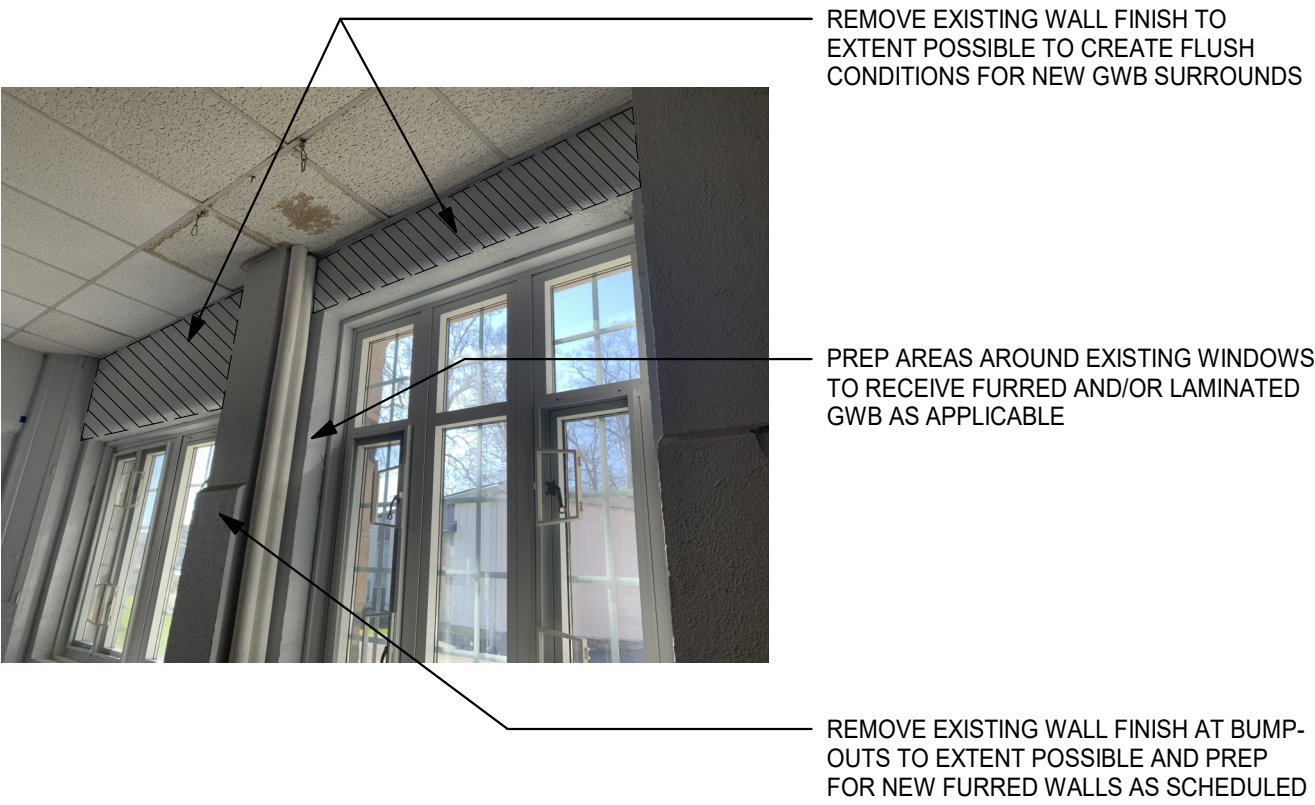
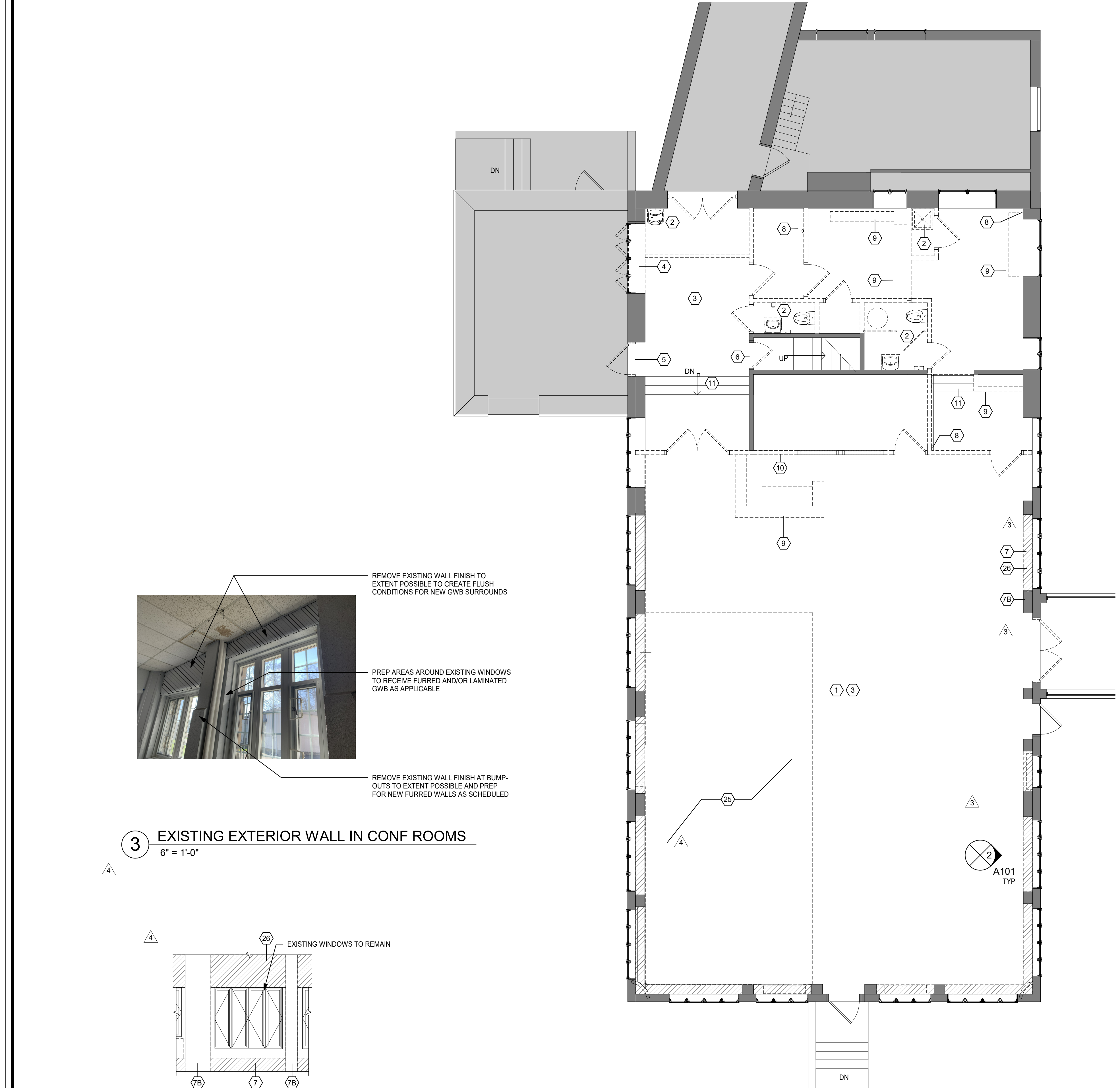
# CODE COMPLIANCE PLAN

Job No. 2021-1048	Date 09/10/2021
Scale AS NOTED	Drawn / Checked Author Check

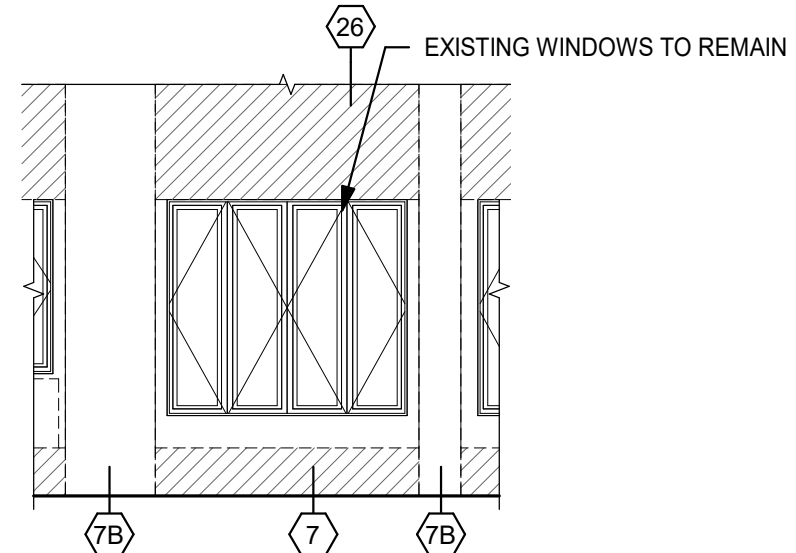
Sheet Number

CC002

1 CODE COMPLIANCE PLAN  
3/16" = 1'-0"



3 EXISTING EXTERIOR WALL IN CONF ROOMS  
6" = 1'-0"



2 TYPICAL DEMOLITION ELEVATION  
3/16" = 1'-0"

1 DEMOLITION PLAN  
3/16" = 1'-0"

HAZARDOUS MATERIAL NOTES:

- 1. THIS PROJECT REQUIRES REMOVAL OF HAZARDOUS MATERIALS. SEE SPECIFICATIONS FOR THE REPORT WHICH INCLUDES THE TYPES, EXPECTED LOCATIONS, HANDLING, REMOVAL PROCEDURES & OTHER INFO.
- 2. DEMOLITION &/OR TIE-INS TO EXISTING M.E.P. SYSTEMS MAY ENCOUNTER CONCEALED HAZARDOUS MATERIAL. NOTIFY THE ARCHITECT IMMEDIATELY SHOULD SUCH MATERIALS BE SUSPECTED & DO NOT DISTURB SUCH MATERIAL.

GENERAL DEMOLITION NOTES:

- 1. DEMOLITION IS NOT NECESSARILY LIMITED TO WHAT IS SHOWN ON DRAWINGS. THE INTENT IS TO INDICATE THE GENERAL SCOPE OF DEMOLITION REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS. PRIOR TO ANY DEMOLITION CONTRACTORS ARE REQUIRED TO VISIT SITE AND FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND NOTE ANY DISCREPANCIES IN WRITING TO ARCHITECT.
- 2. COORDINATE ALL DEMOLITION w/ M.E.P. REMOVALS. NOTE: ALL WIRING, DEVICES & M.E.P. SYSTEMS NOT BEING REMOVED AS PART OF THE WORK, WHICH RUN THROUGH THE WORK AREA, SHALL BE TESTED, LABELED & PROTECTED FROM DISTURBANCE SO THEY REMAIN OPERATIONAL THROUGHOUT THE PROJECT.
- 3. BEFORE STARTING DEMOLITION OPERATIONS CONTRACTOR SHALL REVIEW ABATEMENT SPECIFICATIONS & DRAWINGS WHICH IDENTIFIED AREAS & MATERIALS THAT ARE ASBESTOS CONTAINING MATERIALS & LEAD PAINT. CONTRACTOR SHALL FOLLOW PROCEDURES AS SET FORTH IN ABATEMENT SPECIFICATIONS AND BALANCE OF SPECIFICATIONS. ALL ABATEMENT WORK SHALL BE PART GENERAL TRADES CONTRACTORS BASE BID.
- 4. AT ANY SPACE BEING RENOVATED CONTRACTOR SHALL REMOVE EQUIPMENT AND MISCELLANEOUS ITEMS SUCH AS PLAQUES, SIGNAGE, DISPLAY BOARDS, TACK BOARDS, INTERCOMS, SPEAKERS, AND THE LIKE, AND TURN OVER TO THE OWNER.
- 5. ALL FLOOR AND WALL BASE TO BE REMOVED IN AREAS SHOWN IN CONTRACT.
- 6. ALL CEILING AND LIGHTING TO BE REMOVED IN AREAS SHOWN IN CONTRACT, UNO.
- 7. RETURN ALL EXISTING AV EQUIPMENT (I.E. PROJECTORS, SCREENS, MONITORS, AND SPEAKERS) TO OWNER.
- 8. DEMOLITION OF DOOR ASSEMBLIES TYPICALLY SHALL INCLUDE DEMO OF DOOR(S), FRAME SIDELITES (IF PRESENT), TRANSOMS (IF PRESENT), DOOR SADDLE, HARDWARE, AND RELATED ACCESSORIES. PATCH WALL, FLOOR, & HEAD. PREP FOR NEW DOOR ASSEMBLY (IF APPLICABLE).
- 9. DEMOLITION OF WINDOW ASSEMBLIES TYPICALLY SHALL INCLUDE DEMO OF WINDOW(S), FRAME, GLAZING, FLASHING, SILL TRIM, SURROUND, RETURN, HARDWARE, AND RELATED ACCESSORIES. PATCH ADJACENT AREAS. PREP FOR NEW WINDOW ASSEMBLY (IF APPLICABLE).
- 10. WHEN DEMOLISHING PORTIONS OF THE WALLS OR ROOFS, CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND SUPPORT LINTELS. REGARDLESS OF WHETHER OPENING SPECIFICALLY CALLS OUT FOR A NEW LINTEL OR NOT, ALL MASONRY OPENINGS THAT CONTRACTOR CUTS IN SHALL RECEIVE A SUPPORT LINTEL. SEE STRUCTURAL DRAWINGS FOR DETAILS ON LINTEL TYPES & SIZES.
- 11. WHEN DEMOLISHING PORTIONS OF MASONRY WALLS IN AREAS VISIBLE TO THE PUBLIC CONTRACTOR SHALL "SAW CUT" AT MASONRY WALLS AND "TOOTH IN" AT ANY PATCHING OF MASONRY WALLS. ALL SCARS TO CEILINGS, ADJACENT WALLS, AND FLOORS SHALL BE PATCHED & RESTORED TO MATCH EXISTING ADJACENT MATERIALS.
- 12. BEFORE CUTTING AND OPENING HOLE/TRENCH SPECIFICALLY FOR OTHER TRADE, CONTRACTOR SHALL REVIEW & VERIFY EXACT SIZE & LAYOUT WITH THAT TRADE CONTRACTOR.
- 13. WHEN DEMOLISHING PORTIONS OF EXTERIOR WALLS, CONTRACTOR SHALL SAVE PORTIONS OF DEMOLISHED MASONRY AND USE MASONRY INFILL OPENINGS AND TOOTH-IN AROUND ALL NEW OPENINGS.
- 14. WHEN DEMOLISHING FLOORS CONTRACTORS SHALL REMOVE FINISH FLOORING & SCRAPE SLAB/SUB-FLOORING CLEAN. SUB-FLOOR SHALL BE LEVELED PRIOR TO INSTALLATION OF NEW SCHEDULED FINISH FLOOR. ANY DAMAGE TO ADJ. FLOORS SHALL BE PATCHED.
- 15. AFTER DEMOLITION OPERATIONS, WHEN FINISH PATCHING IF SPECIFIC FINISH MATERIAL IS NOT CALLED OUT, CONTRACTOR SHALL MATCH EXISTING ADJACENT MATERIALS.
- 16. AFTER DEMOLITION, WHERE SPECIFICALLY CALLED OUT OR NO, CONTRACTOR SHALL REPAIR ALL SCARS TO EXISTING ADJACENT MATERIALS AND RESTORE TO PRIOR CONDITION.
- 17. OWNER HAS RIGHT OF FIRST REFUSAL OF ANY MATERIAL ABATEMENT NOTES. SEE HAZARDOUS MATERIALS SURVEY REPORT, SPECIFICATIONS, AND DRAWINGS.

GENERAL KEYNOTES

- 1 PATCH AND REPAIR AS REQUIRED IN PREPARATION FOR NEW CONSTRUCTION
- 2 GC TO COORDINATE PLUMBING TERMINATION BACK TO SOURCE
- 3 REMOVE EXISTING FLOORING MATERIAL AND PREPARE FLOOR SUBSTRATE FOR NEW CONSTRUCTION
- 4 REMOVE EXISTING WINDOWS, FRAMES AND ALL ASSOCIATED TRIM & HARDWARE - PREPARE MASONRY OPENING FOR NEW STOREFRONT AND DOOR. REMOVE EXISTING WINDOW TREATMENT.
- 5 REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE. INFILL WALL TO MATCH EXISTING FINISHES.
- 6 REMOVE EXISTING DOOR FRAME AND ALL ASSOCIATED HARDWARE. PREP AREA TO RECEIVE NEW DOOR AS SCHEDULED.
- 7 REMOVE LOWER WALL BETWEEN COLUMN FURRINGS AND PREP FOR NEW WORK - PATCH & MATCH EXISTING ADJACENT WALLS - TYP AT HATCH PATTERN IN MEETING ROOM - SEE DEMO ELEVATION
- 7B REMOVE PLASTER WALL TO EXTENT POSSIBLE AT ALL COLUMN LOCATIONS IN MEETING ROOM AND PREP FOR NEW WORK - STRUCTURE TO REMAIN - SEE DEMO ELEVATION
- 8 REMOVE EXPOSED PIPING. COORDINATE WITH PLUMBING DRAWINGS.
- 9 COORDINATE REMOVAL OF BUILT-IN MILLWORK AND FURNITURE W/ DISTRICT. LOOSE FURNITURE TO BE REMOVED BY OWNER. BUILT-IN MILLWORK TO BE REMOVED BY CONTRACTOR.
- 10 REMOVE STEEL SLAT ROLL UP DOOR
- 11 STAIRS TO REMAIN. PREP TO RECEIVE NEW FINISHES AS SCHEDULED.
- 25 LOCATION OF EXISTING RUBBER FLOORING ON +/- 1" HIGH ELEVATED WOOD PLATFORM TO BE REMOVED. GC TO COORDINATE DEMOLITION AND ABATEMENT AS REQUIRED PER SPECIFICATIONS.
- 26 REMOVE EXISTING PLASTER TO EXTENT POSSIBLE TO CREATE FLUSH CONDITION ABLE TO RECEIVE GYP BOARD IN WALL RECESS.

DEMOLITION LEGEND

- [Solid Grey Box] DENOTES AREA OF NO MAJOR ARCHITECTURAL WORK. SPECIFIC WORK MAY BE SHOWN ELSEWHERE INCLUDING WORK THAT MAY REQUIRE ACCESS, PATCHING & RESTORATION, REFER TO STRUCTURAL & M.E.P. DWGS.
- [Line with Arrow] EXISTING CONSTRUCTION TO REMAIN (DOOR, WALL, GLAZING, ETC.)
- [Dashed Line with Arrow] EXISTING CONSTRUCTION TO BE REMOVED (DOOR, WALL, GLAZING, ETC.)
- [Hexagon] KEYNOTES

PROFESSIONAL DEVELOPMENT CENTER

NYACK UFSD  
13A DICKINSON AVENUE  
NYACK, NY 10960

**KG+D** listen imagine build  
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KEY PLAN

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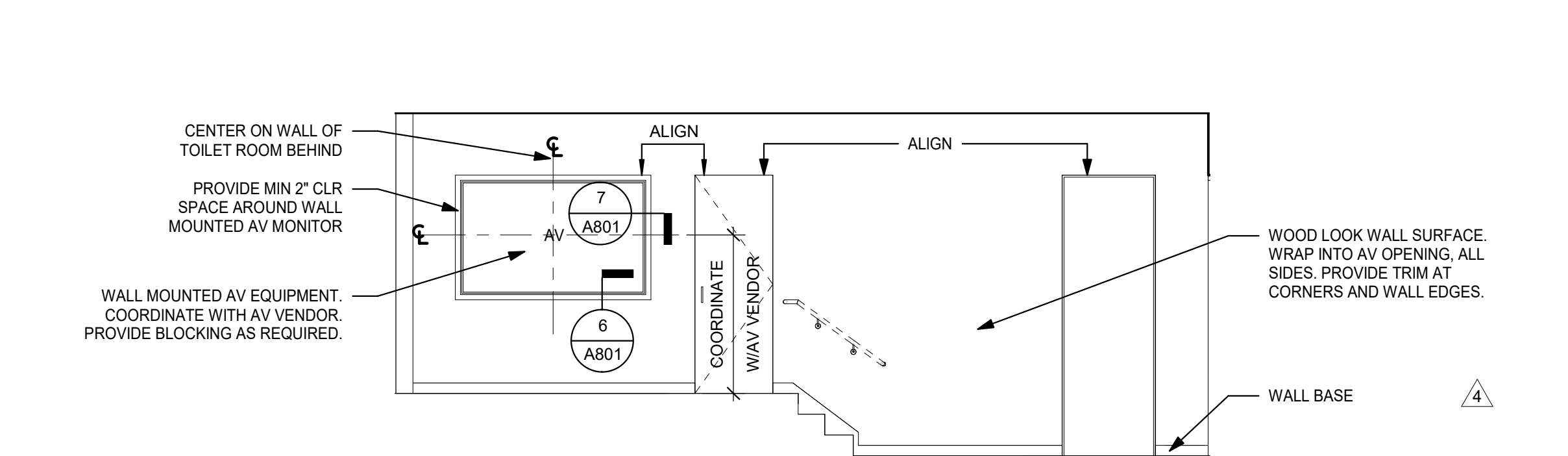
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5	2022-10-12	ISSUE FOR REBID
4	2022-08-03	BID ADDENDUM #3
3	2022-07-20	BID ADDENDUM #2
2	2022-07-12	ISSUE FOR BID
1	2022-03-24	CONSTRUCTION DOCUMENTS
No.	Date	Issue

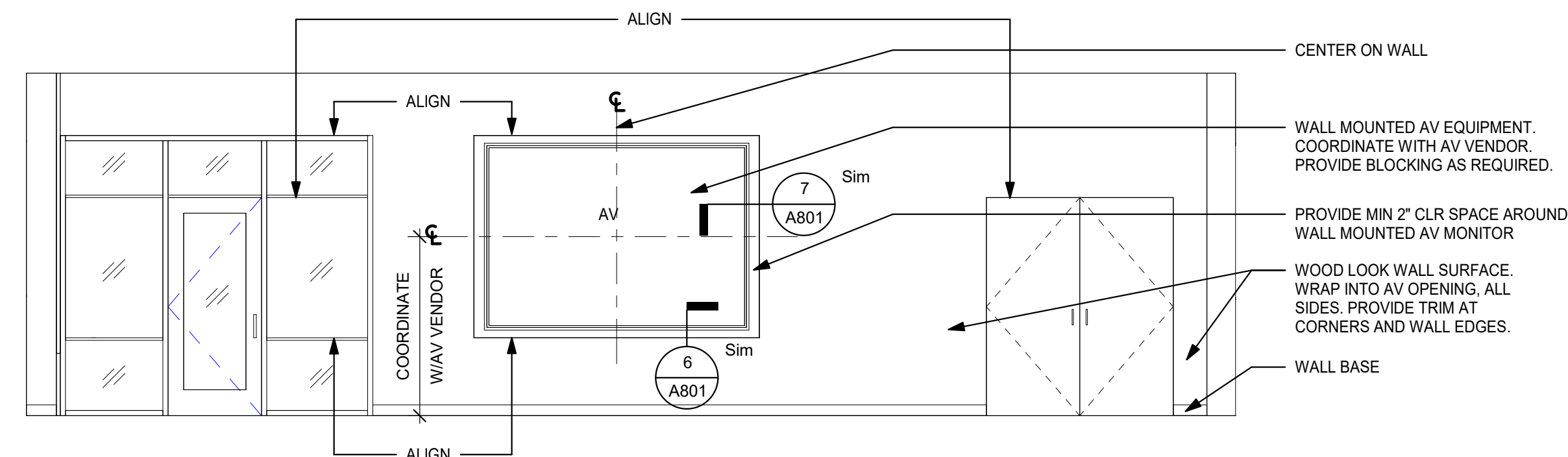
DEMOLITION PLAN

Job No.	2021-1048	Date	09/10/2021
Scale	AS NOTED	Drawn / Checked	Author Checker

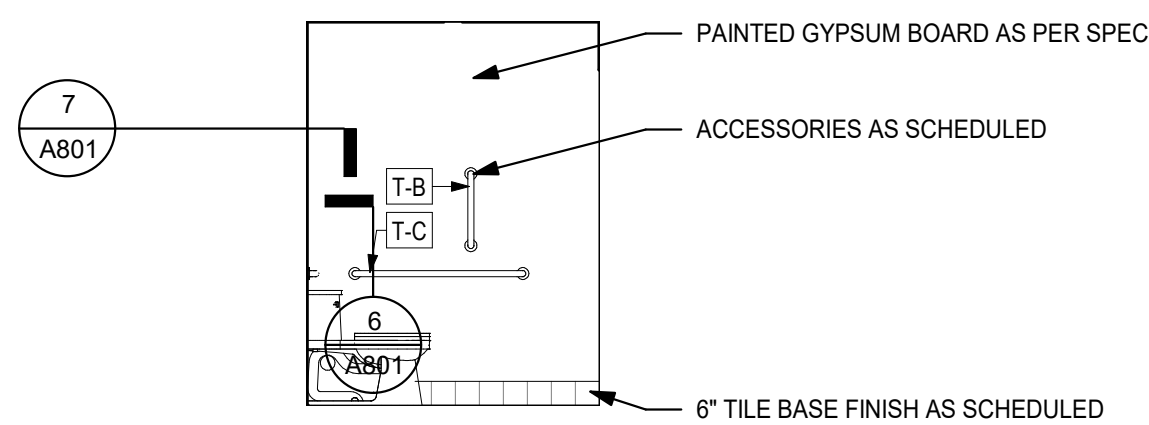
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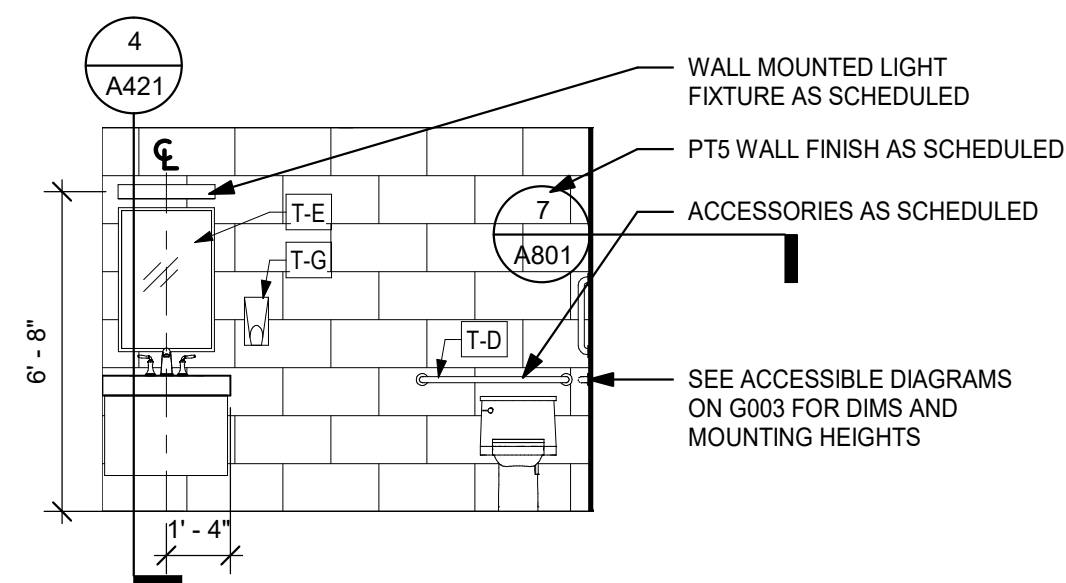
2 LOBBY WALL ELEVATION  
1/4" = 1'-0"



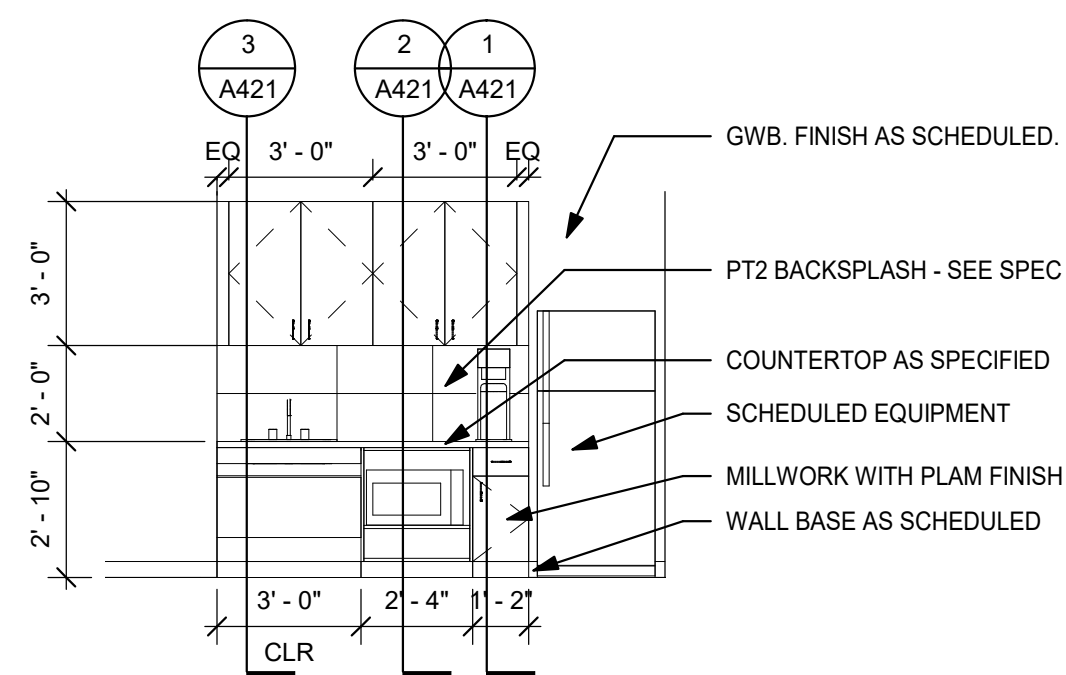
3 CONFERENCE WALL ELEVATION  
1/4" = 1'-0"



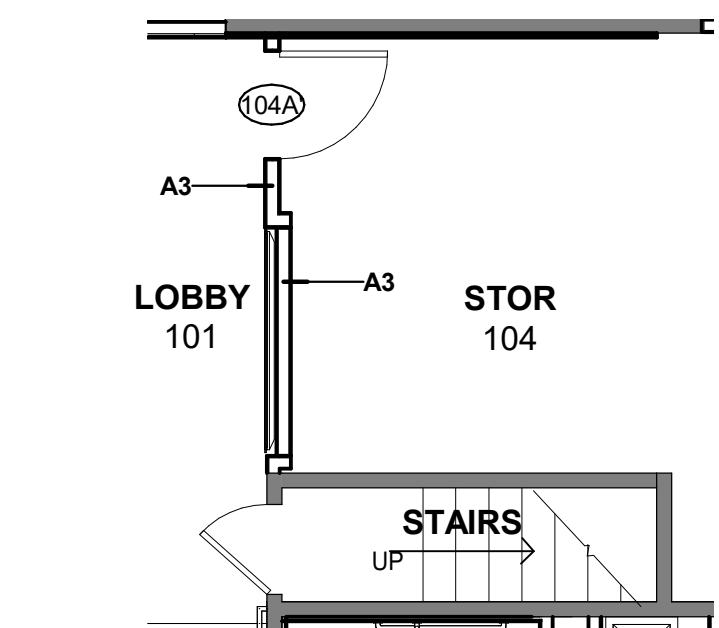
5 TOILET ROOM SIDE WALL ELEVATION  
1/4" = 1'-0"



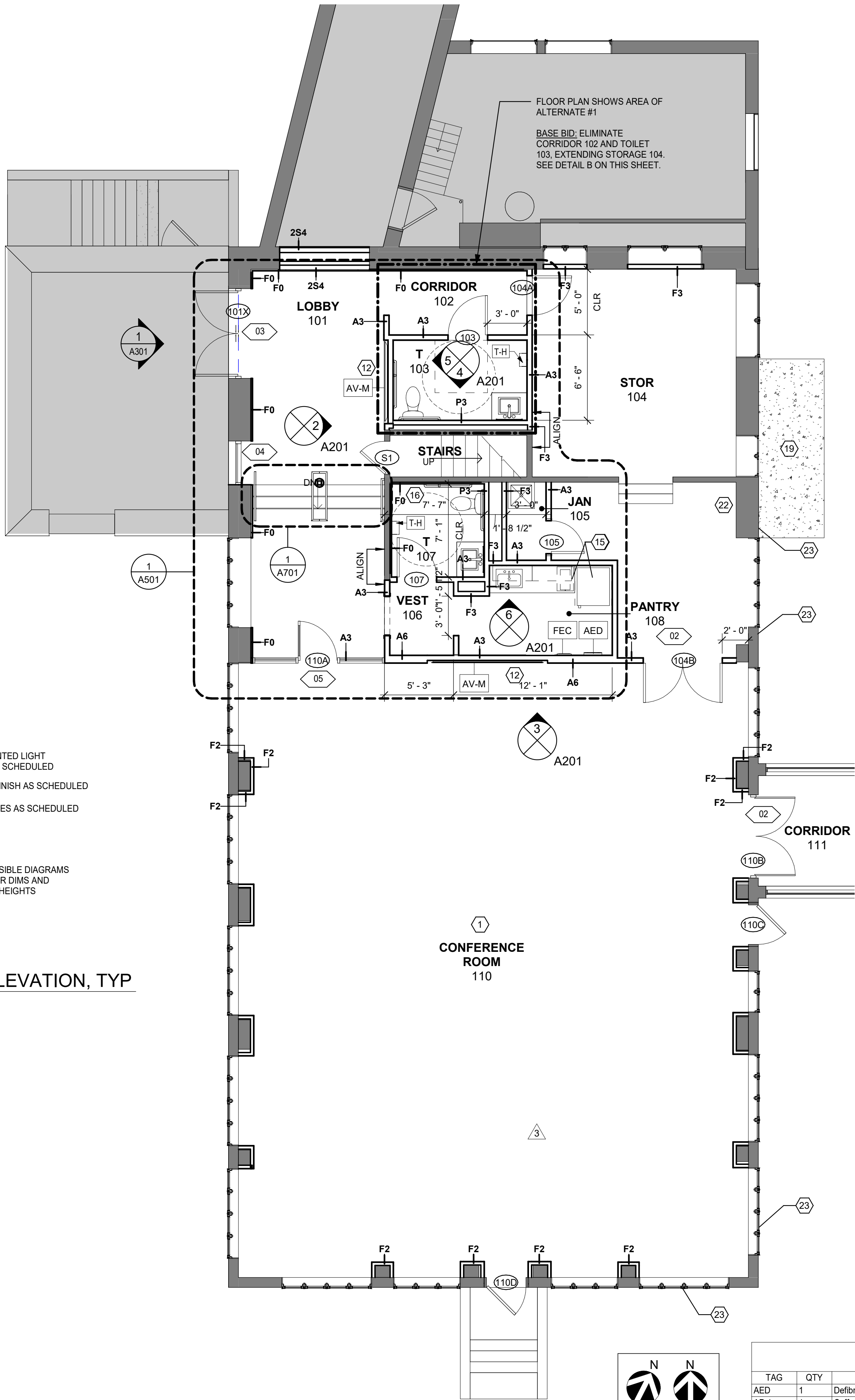
4 TOILET ROOM WET WALL ELEVATION, TYP  
1/4" = 1'-0"



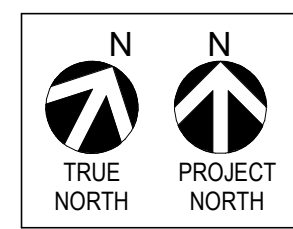
6 PANTRY NORTH ELEVATION  
1/4" = 1'-0"



B BASE BID FLOOR PLAN  
3/16" = 1'-0"



1 FLOOR PLAN  
3/16" = 1'-0"



### GENERAL FLOOR PLAN NOTES

- WHERE FURRED PARTITIONS EXCEED MAXIMUM HEIGHT, BRACE TO ADJACENT STRUCTURE.
- ALL INTERIOR PARTITION, PENETRATIONS, OTHER OPENINGS IN THE BUILDING SHELL SHALL BE SEALED, GASKETED, OR WEATHER STRIPPED.
- PROVIDE METAL STUD ANCHOR BRACKETS AT LOCATIONS INCLUDING BUT NOT LIMITED TO: GRAB BARS, SHELVS, OVERHEAD CABINETS, SIGNAGE, TOILET ROOMS ACCESSORIES, WALL MOUNTED AV EQUIPMENT, ETC.
- ALL DIMENSIONS TO THE EXTERIOR WALL ARE TO THE INSIDE FACE OF EXISTING SILL OR FINISH SURFACE. ALL PARTITIONS ARE DIMENSIONED FROM FACE OF PARTITION TYPE AS INDICATED UON. ALL DIMENSIONS MARKED "CLEAR" OR "CLR" SHALL BE MAINTAINED AND SHALL ALLOW FOR THICKNESSES OF ALL WALL FINISHES. DIMENSIONS SHALL NOT VARY MORE THAN +/- 1/8" WITHOUT WRITTEN CONSENT FROM THE ARCHITECT.
- EXISTING STUD WALLS TO REMAIN TO BE FLOATED AS REQUIRED TO PROVIDE SMOOTH SUBSTRATE (LEVEL 4). PREPARE FOR INSTALLATION OF NEW FINISHES.
- PATCH AND REPAIR EXISTING SLAB WITH HYDRAULIC CEMENT UNDERLAYMENT AS REQUIRED IN PREPARATION FOR NEW CONSTRUCTION. FLOORING TO BE LEVEL WITHIN A TOLERANCE OF 1/8" OVER 10'-0". FOR MAJOR DISCREPANCIES, VERIFY WITH ARCHITECT BEFORE PERFORMING ANY LEVELING WORK.
- PROVIDE ADJACENT PARTITION TYPE ABOVE ALL STOREFRONT SYSTEMS.
- REFER TO DEVICE ALIGNMENT DIAGRAMS ON SHEET A911 FOR TYPICAL LOCATIONS OF SWITCHES, CONTROLS, AND DEVICES.
- PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS UON.
- ALL DEMISING WALLS TO EXTEND TO DECK WITH GYP BOARD EXTENDING FULL HEIGHT OF PARTITION UON.
- LOCATE DOORS 4" FROM WALL, TYP.
- WHERE INFILLING MASONRY WALLS, MASONRY IS TO MATCH THE EXISTING SIZE, JOINTS ARE TO BE ALIGNED, AND THE WALL SHOULD HAVE A CLEAN APPEARANCE.

### GENERAL KEYNOTES

- PATCH AND REPAIR AS REQUIRED IN PREPARATION FOR NEW CONSTRUCTION
- COORDINATE POWER REQUIREMENTS AND MOUNTING HEIGHTS WITH SCHEDULED EQUIPMENT
- PROVIDE WATER LINE AND SHUT OFF VALVE FOR COFFEE MAKER AND REFRIGERATOR
- REFERENCE ACCESSIBILITY DIAGRAMS ON SHEET G003 FOR ADA CLEARANCES AND MOUNTING HEIGHTS
- PROVIDE CONCRETE PAD AT THIS LOCATION FOR NEW MECHANICAL EQUIPMENT. COORDINATE W/ MECH DRAWINGS
- GC TO PROVIDE 4'x8' SHEET OF 3/4" PLYWOOD AND PAINT TO MATCH WALL
- PROVIDE EXTERIOR EXHAUST LOUVER IN THIS LOCATION ON SECOND STORY. COORDINATE W/ MECH DRAWINGS

### FLOOR PLAN LEGEND

- EXISTING ROOM OR ZONE TO REMAIN, NOT INCLUDED IN THIS SCOPE OF WORK
- EXISTING CONSTRUCTION TO REMAIN (DOOR, WALL, GLAZING, ETC.)
- NEW PARTITION AS INDICATED
- NEW GLAZED OPENING WITH ALUM OR HM FRAME AS INDICATED
- FEC - FIRE EXTINGUISHER CABINET
- AED - DEFIBRILATOR
- NEW DOOR, DOOR NUMBER
- WALL TYPE
- FRAME TYPE
- KEY NOTES
- AREA OF ALTERNATE WORK

FFE SCHEDULE			
TAG	QTY	TYPE	COMMENTS
AED	1	Defibrillator	CABINET PROVIDED BY GC
AP-1	1	Coffee Maker	OFOI
AP-2	1	Refrigerator	OFOI
AP-4	1	Microwave	OFOI
AV-M	2	AV Monitor	OFOI - COORDINATE P&D & INSTALLATION REQUIREMENTS
AV-P	1	Projector	OFOI - COORDINATE P&D & INSTALLATION REQUIREMENTS - SEE RCP
AV-S	1	Projector Screen	OFOI - COORDINATE P&D & INSTALLATION REQUIREMENTS - SEE RCP
FEC	1	FEC - Semi Recessed - Red Die Cut	OFOI
SH-1	13	Window Shade	OFOI - SEE RCP
T-H	2	Hand Dryer	OFOI
Grand total: 24			

NOTE: ADDITIONAL ACCESSORIES INCLUDE, BUT NOT LIMITED TO, SOAP DISPENSERS, TOILET PAPER DISPENSERS, ETC. SEE SPEC.

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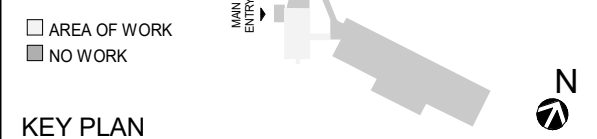
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4	2022-08-03	BID ADDENDUM #3
3	2022-07-20	BID ADDENDUM #2
2	2022-07-12	ISSUE FOR BID
1	2022-03-24	CONSTRUCTION DOCUMENTS

Sheet Title

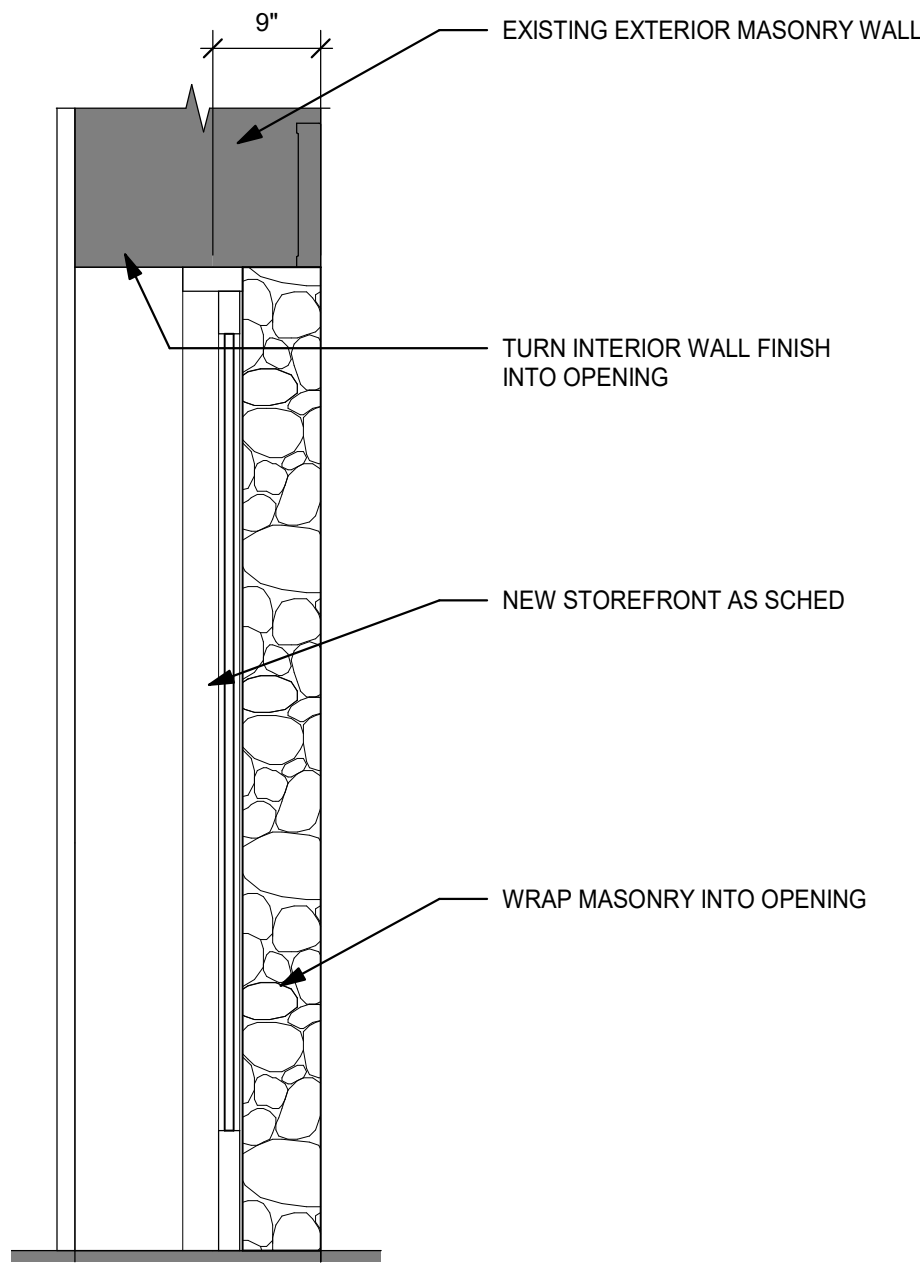
## FLOOR PLAN & INTERIOR ELEVATIONS

Job No. 2021-1048 Date 09/10/2021

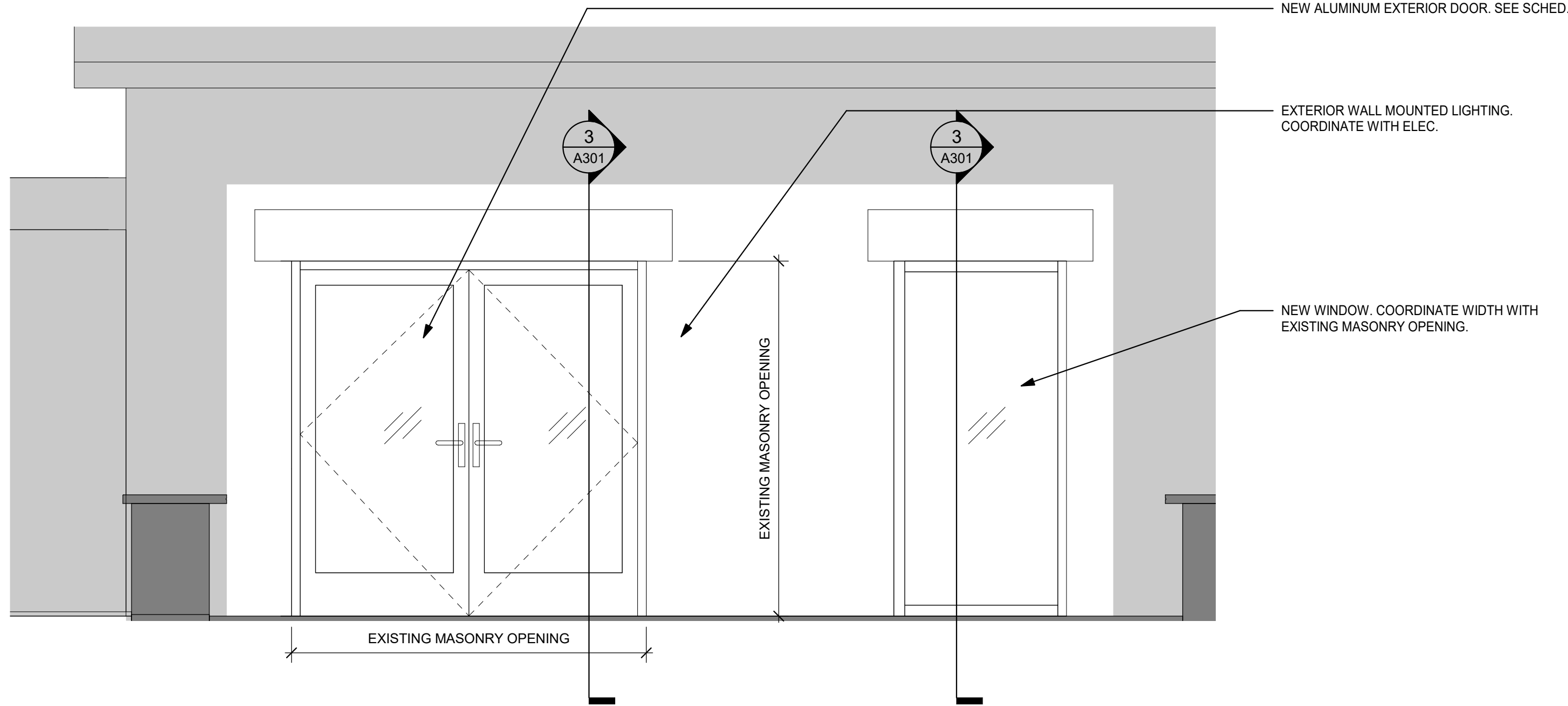
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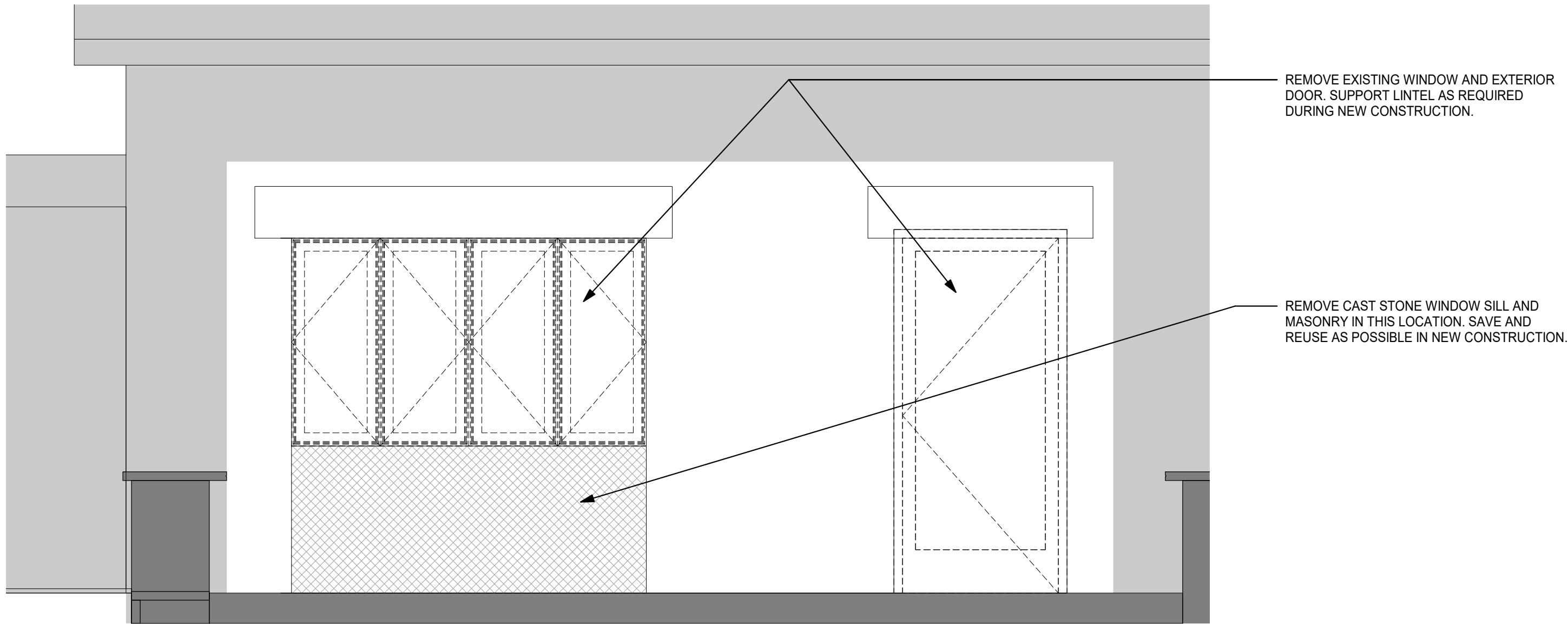
A201



3 WALL SECTION THRU STOREFRONT  
3/4" = 1'-0"



1 EXTERIOR ELEVATION  
1/2" = 1'-0"

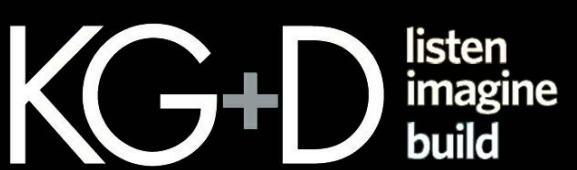


2 DEMO EXTERIOR ELEVATION  
1/2" = 1'-0"

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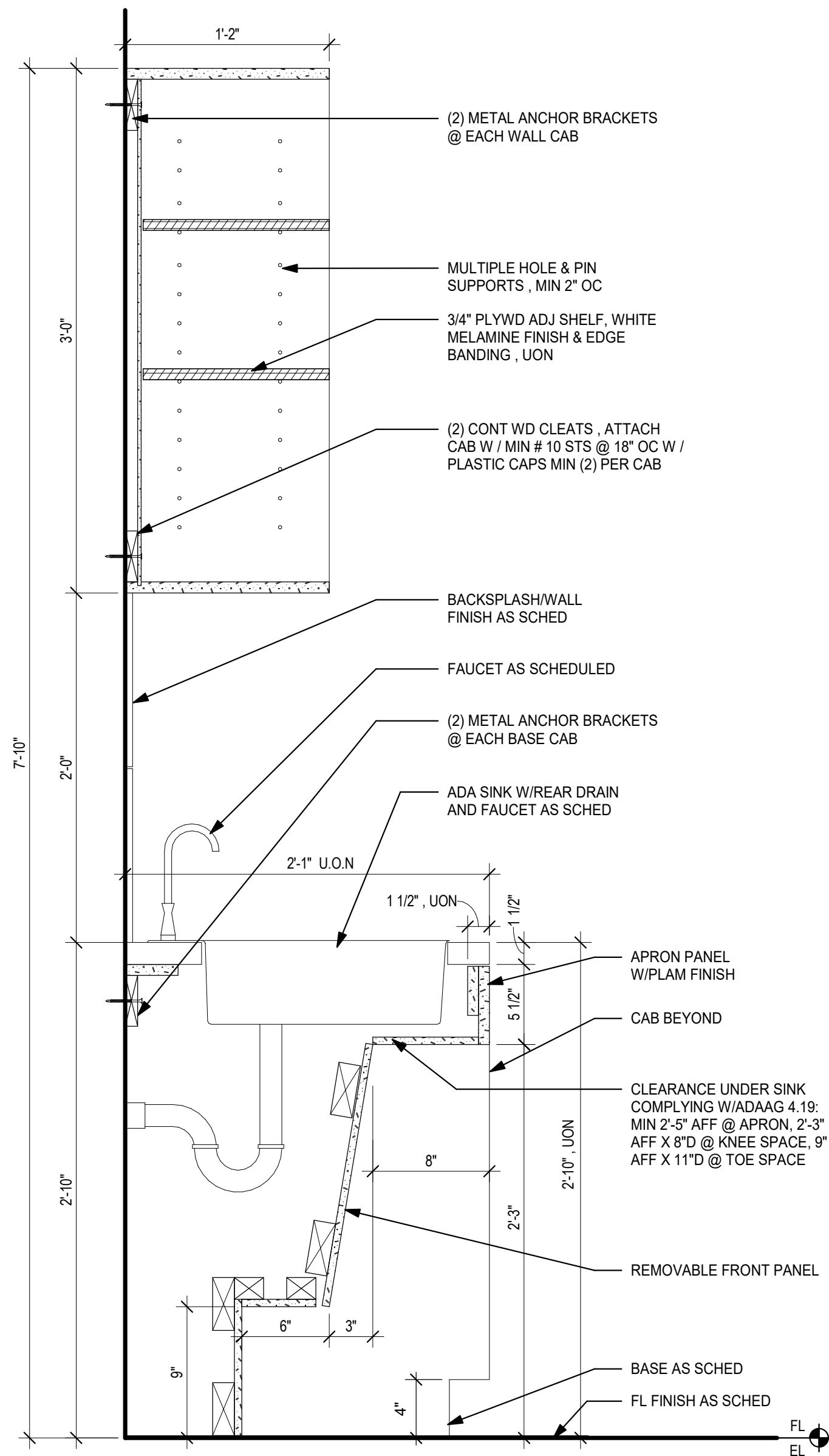
EXTERIOR  
ELEVATIONS &  
SECTIONS

Job No. 2021-1048 Date 09/10/2021

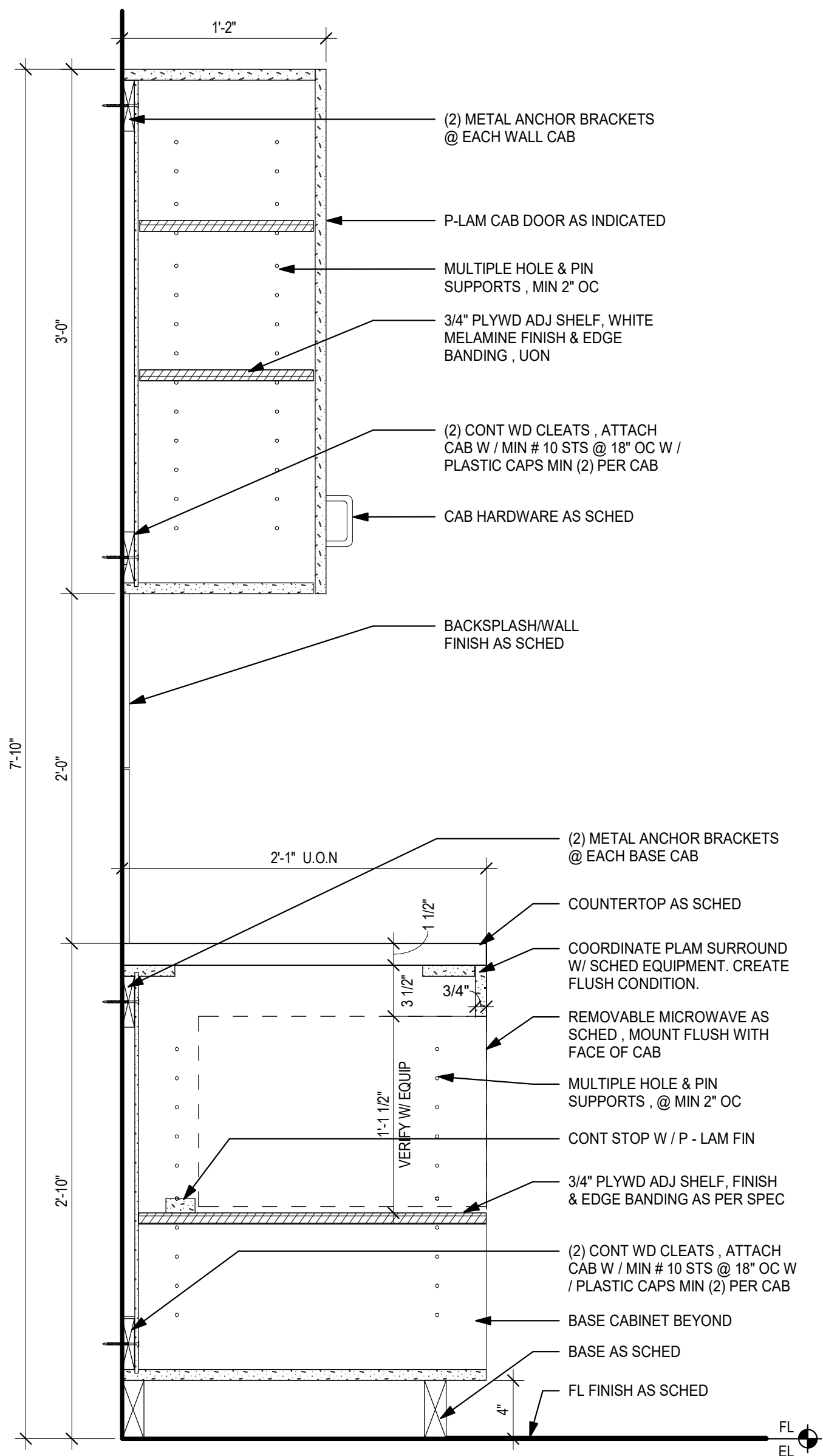
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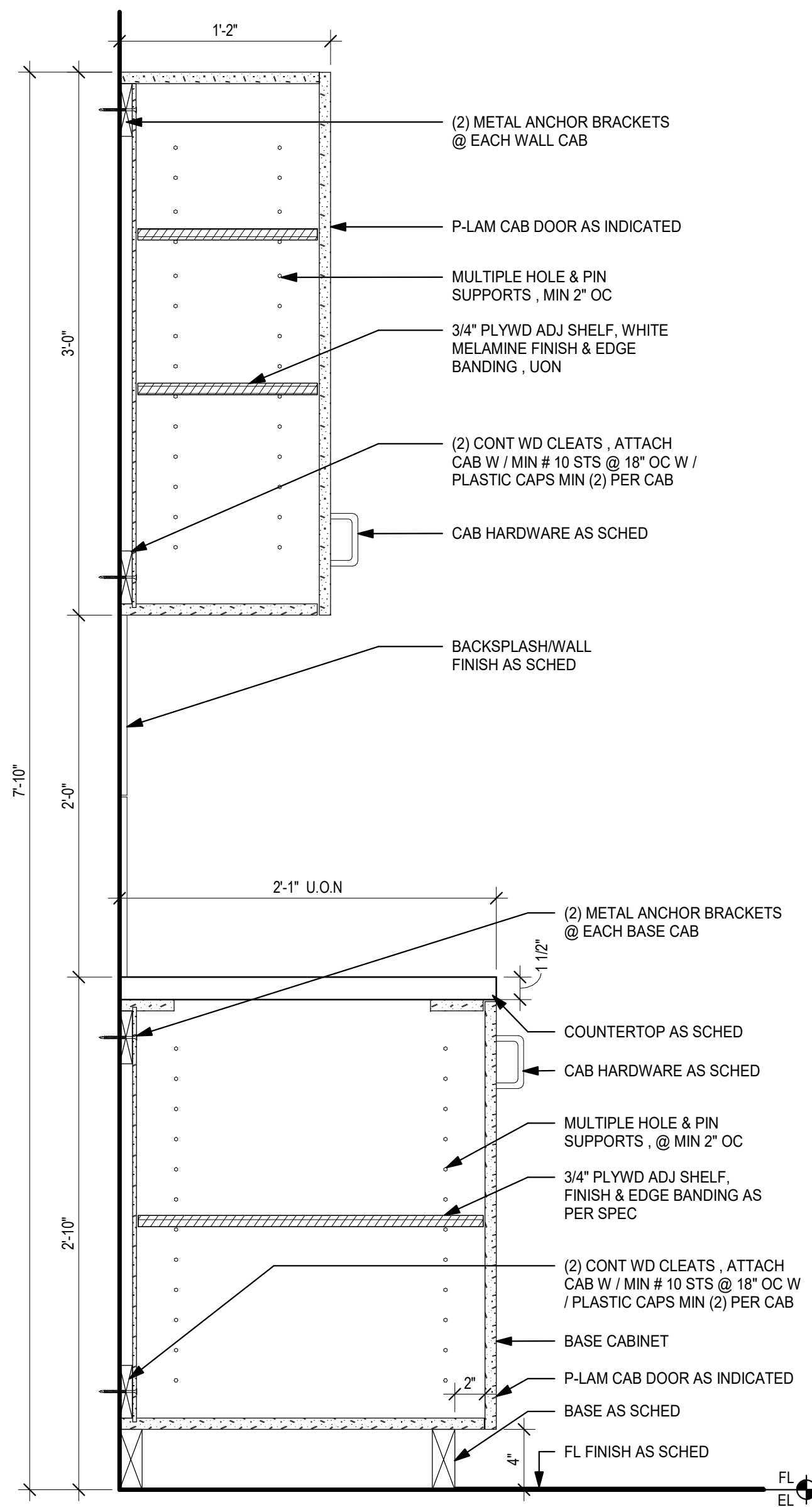
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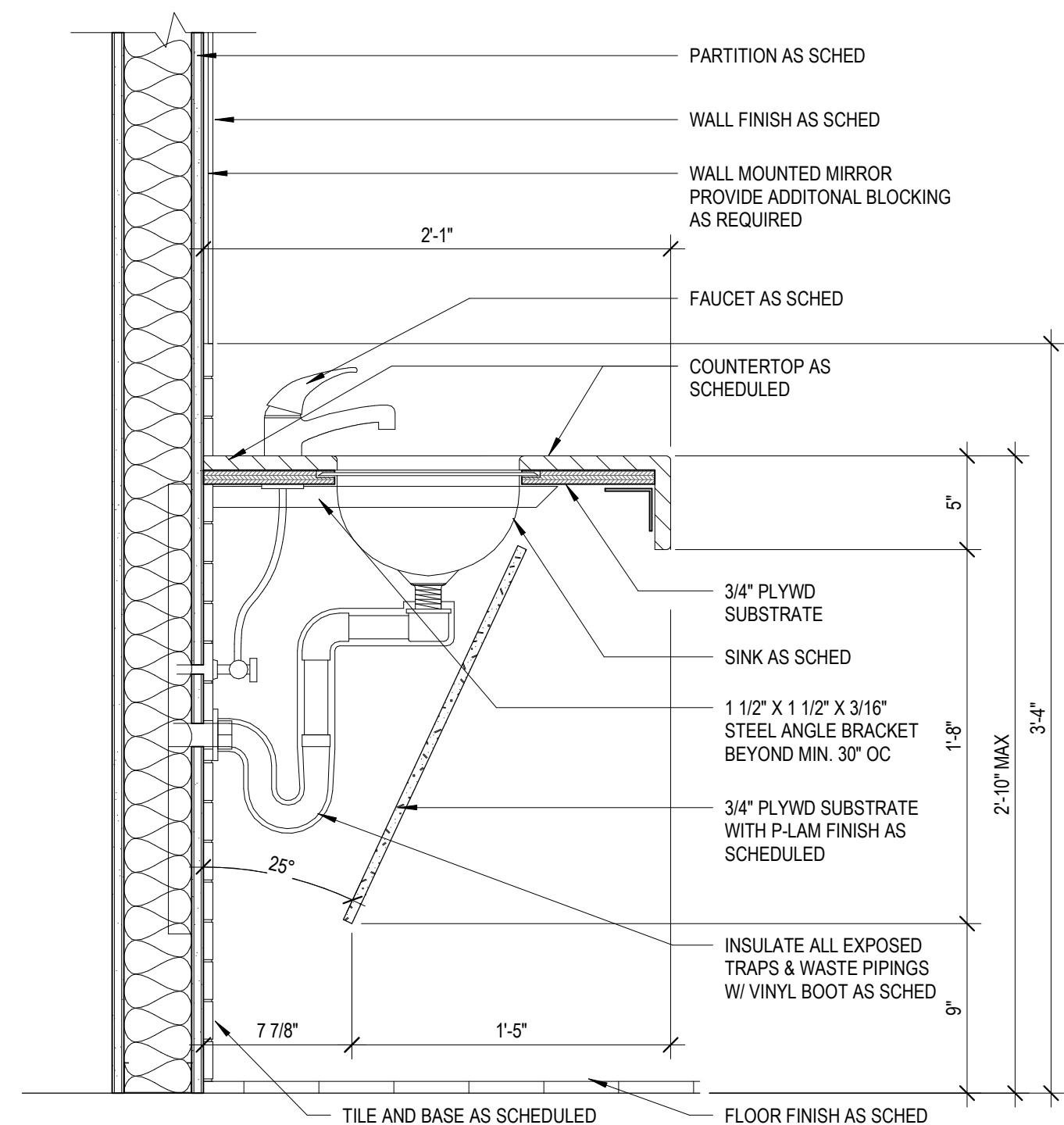
**3 KITCHEN ADA SINK W/ OPEN CABINET**  
1 1/2" = 1'-0"



**2 MICROWAVE BASE CABINET & UPPER CABINET**  
1 1/2" = 1'-0"



**1 TYP BASE CABINET W/ UPPER CABINET**  
1 1/2" = 1'-0"



**4 TOILET ROOM ADA SINK**  
1 1/2" = 1'-0"

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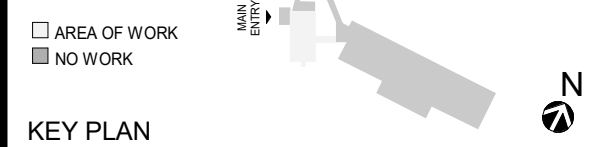
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3	2022-07-20	BID ADDENDUM #2
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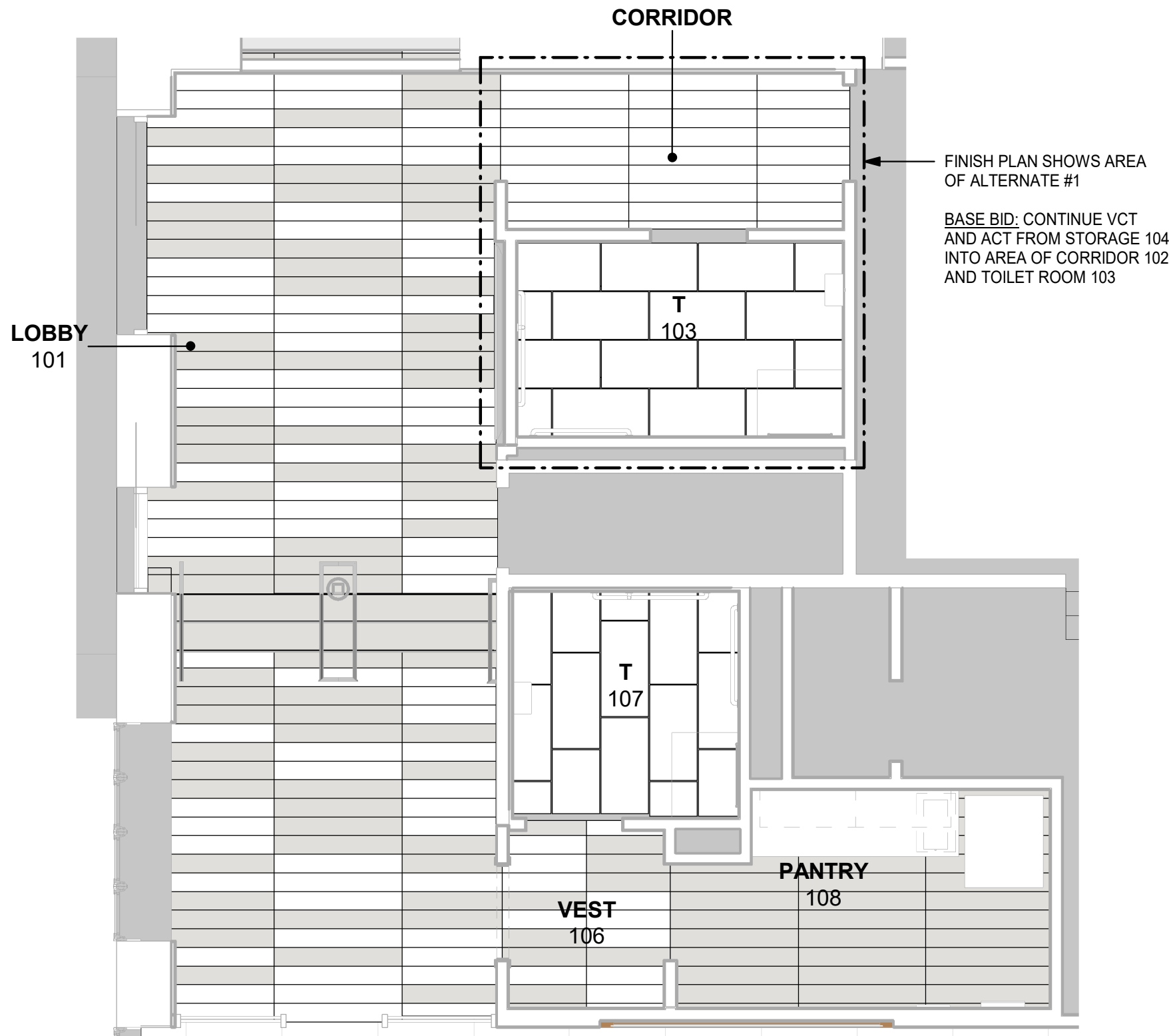
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DETAILS

Job No. 2021-1048 Date 09/10/2021

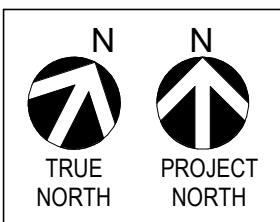
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A421



1 FLOOR TILE PATTERN  
1/4" = 1'-0"



#### FINISH LEGEND

	PORCELAIN TILE 1
	LUXURY VINYL TILE 1
	LUXURY VINYL TILE 2

Finish Schedule														
ROOM #	ROOM NAME	FLOOR		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		CEILING		Comments
		FIN	BASE	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	
101	LOBBY	LVT1/LVT2	RB/WRB	GWB	PTD	GWB	WC	GWB	PTD	GWB	PTD	GWB	PTD	
102	CORRIDOR	LVT1	RB	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	
103	T	PT1	PTB	GWB	PTD	GWB	PTD	CB	PT2	GWB	PTD	GWB	PTD	
104	STOR	RB	VCT1	GWB/EX	PTD	EXIST	PTD	GWB/EX	PTD	GWB/EX	PTD	ACT	FF	
105	JAN	CONC	S&S	EXIST	PTD	GWB	PTD	GWB	PTD	GWB	PTD	ACT	FF	
106	VEST	LVT1/LVT2	RB	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	GWB	PTD	
107	T	PT1	PTB	GWB	PTD	CB	PT5	CB	PTD	CB	PTD	GWB	PTD	
108	PANTRY	LVT2	RB	GWB/CB	PTD/PTS	GWB	PTD	GWB	PTD	GWB	PTD	ACT	FF	
110	CONFERENCE ROOM	CPT	RB/WRB	GWB	WC	GWB	PTD	GWB	PTD	GWB	PTD	ACT, AMC	FF	SEE RCP

NOTE:  
- REFER TO SPEC FOR MORE FINISH INFORMATION

#### ABBREVIATIONS:

ACT	ACOUSTIC CEILING TILE
AMC	ACOUSTIC METAL CEILING
CB	CEMENT BOARD
CPT	CARPET
CT	CERAMIC TILE
EX/EXIST	EXISTING
FF	FACTORY FINISH
GWB	GYPSUM WALLBOARD
LVT	LUXURY VINYL TILE
PT	PORCELAIN TILE
PTB	PORCELAIN TILE BASE
PTD	PAINTED
RB	RUBBER BASE
VCT	VINYL COMPOSITE TILE
WRB	WOOD RUBBER BASE

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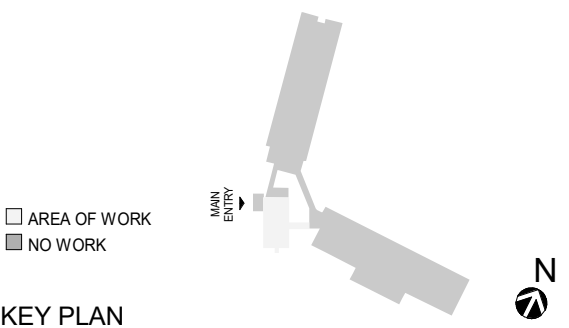
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## FINISH PLAN & SCHEDULE

Job No. 2021-1048 Date 09/10/2021

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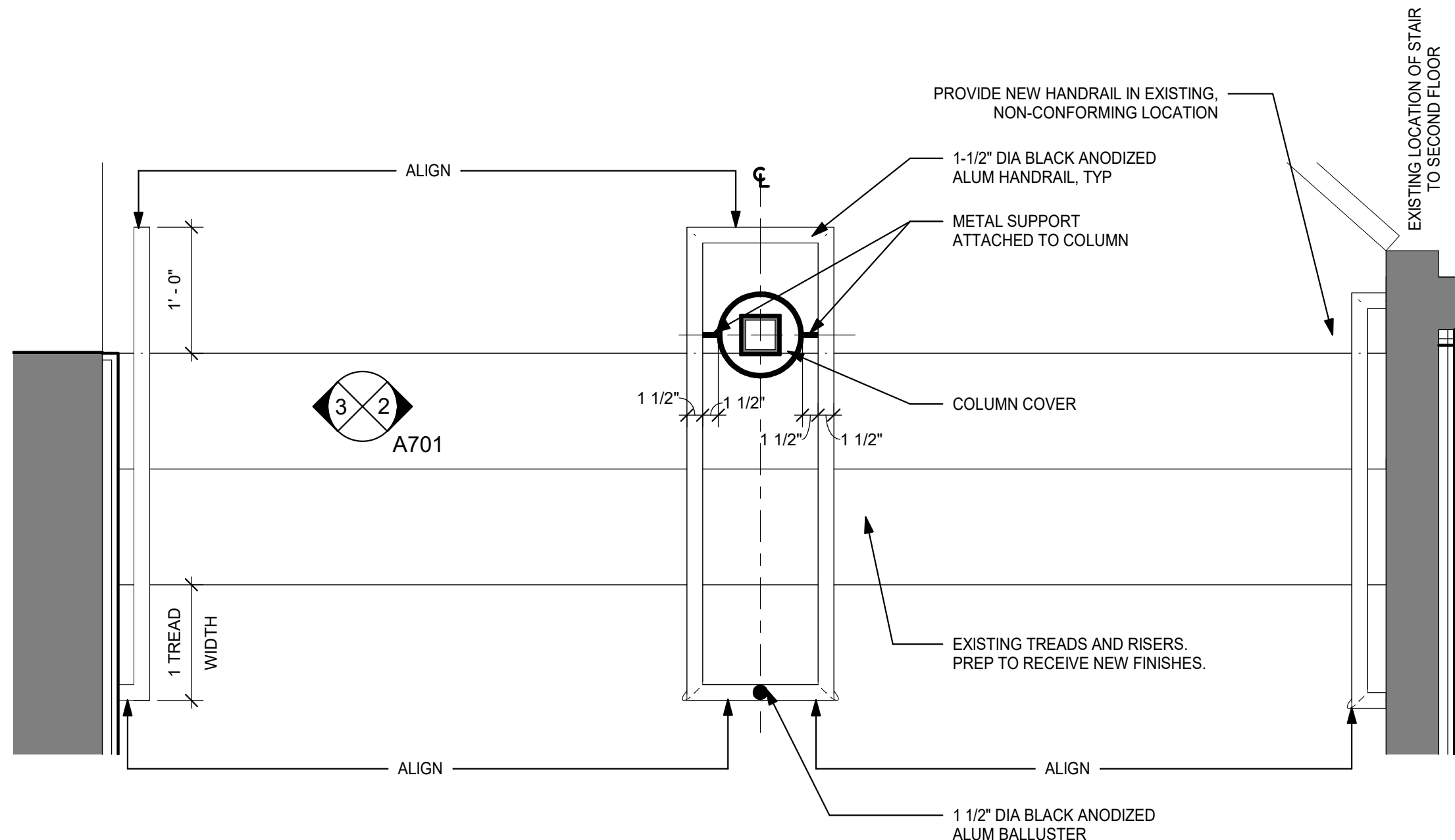
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STAIR DETAILS

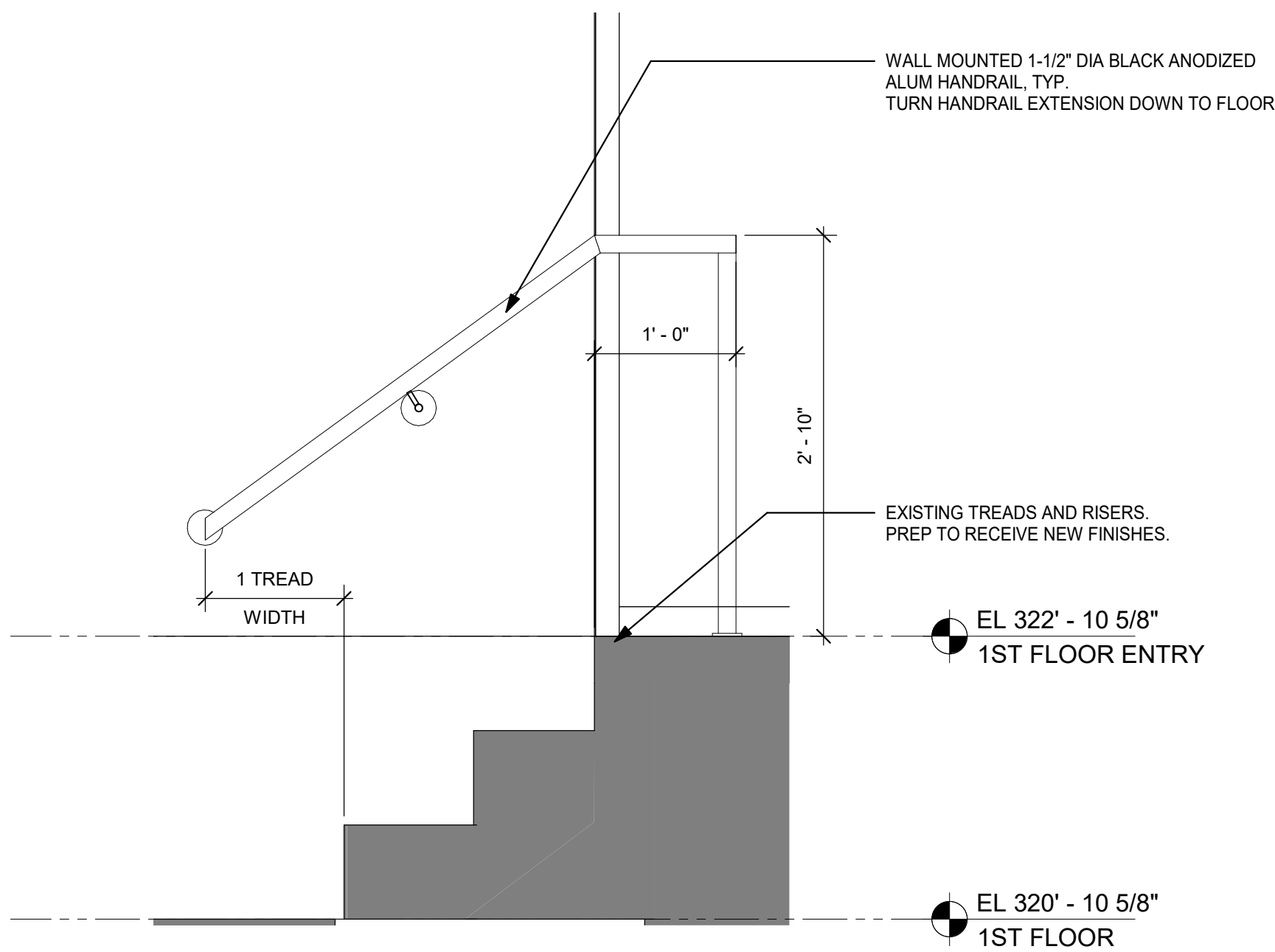
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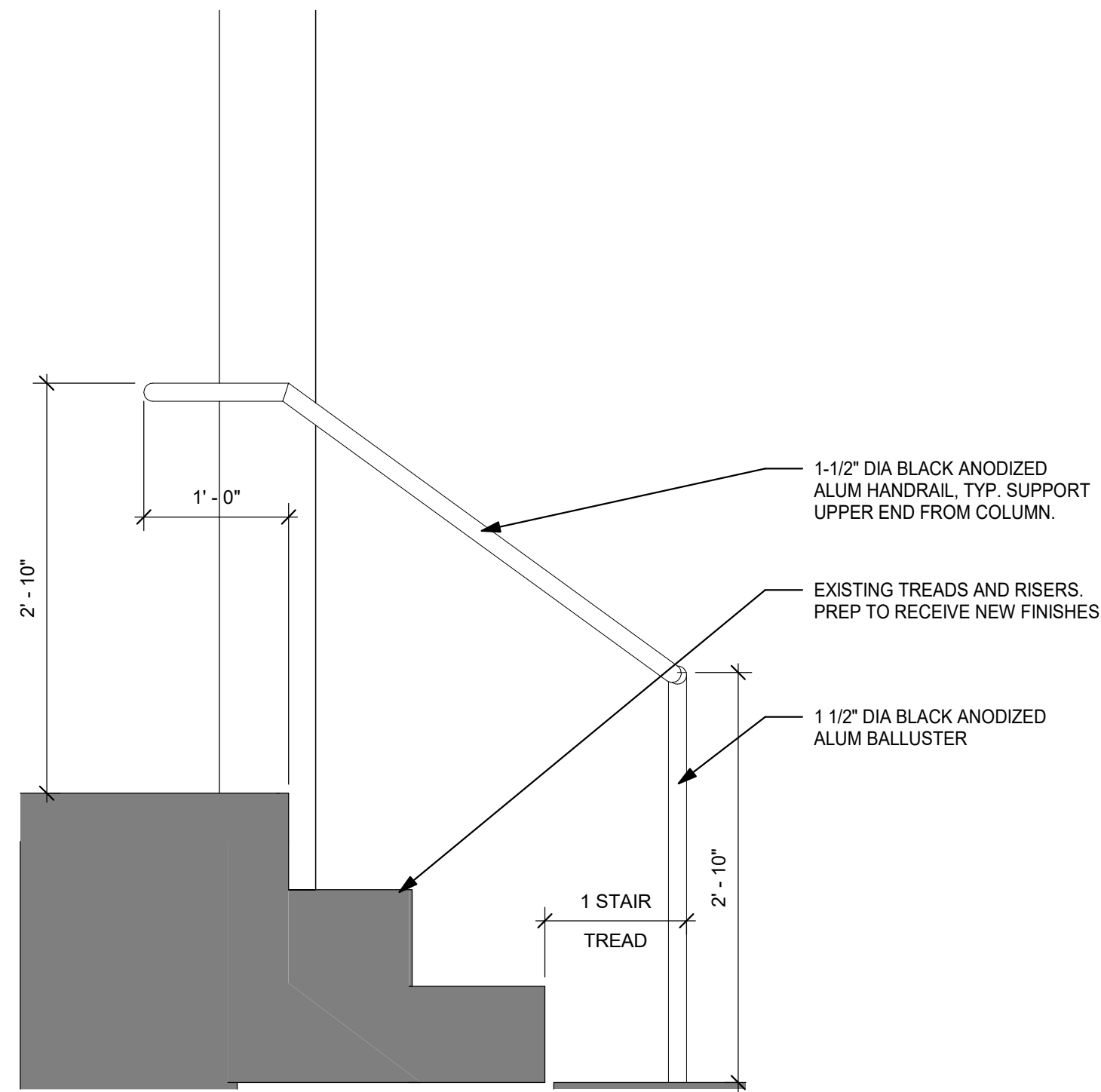
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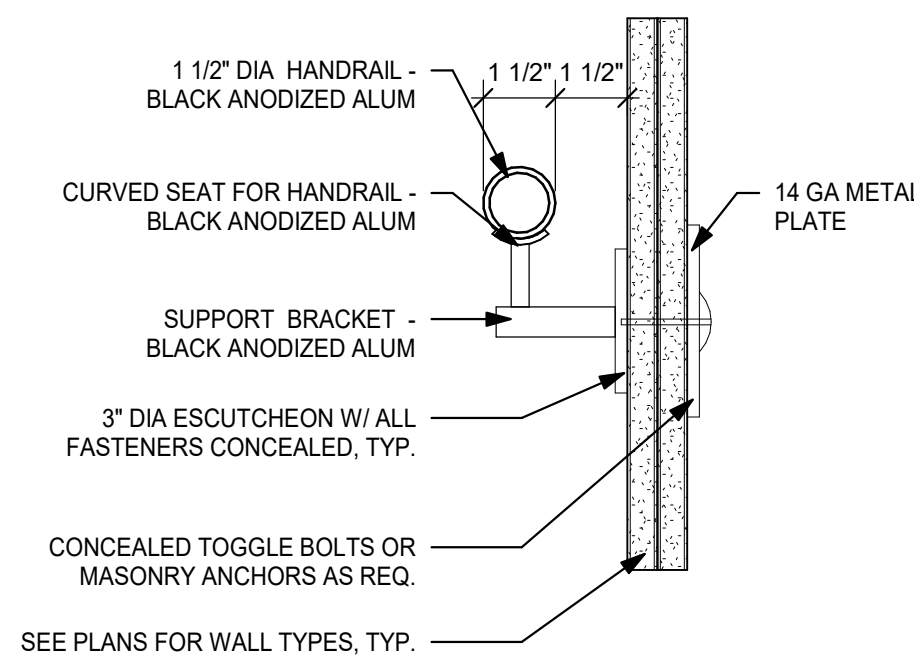
1 ENLARGED STAIR PLAN  
1" = 1'-0"



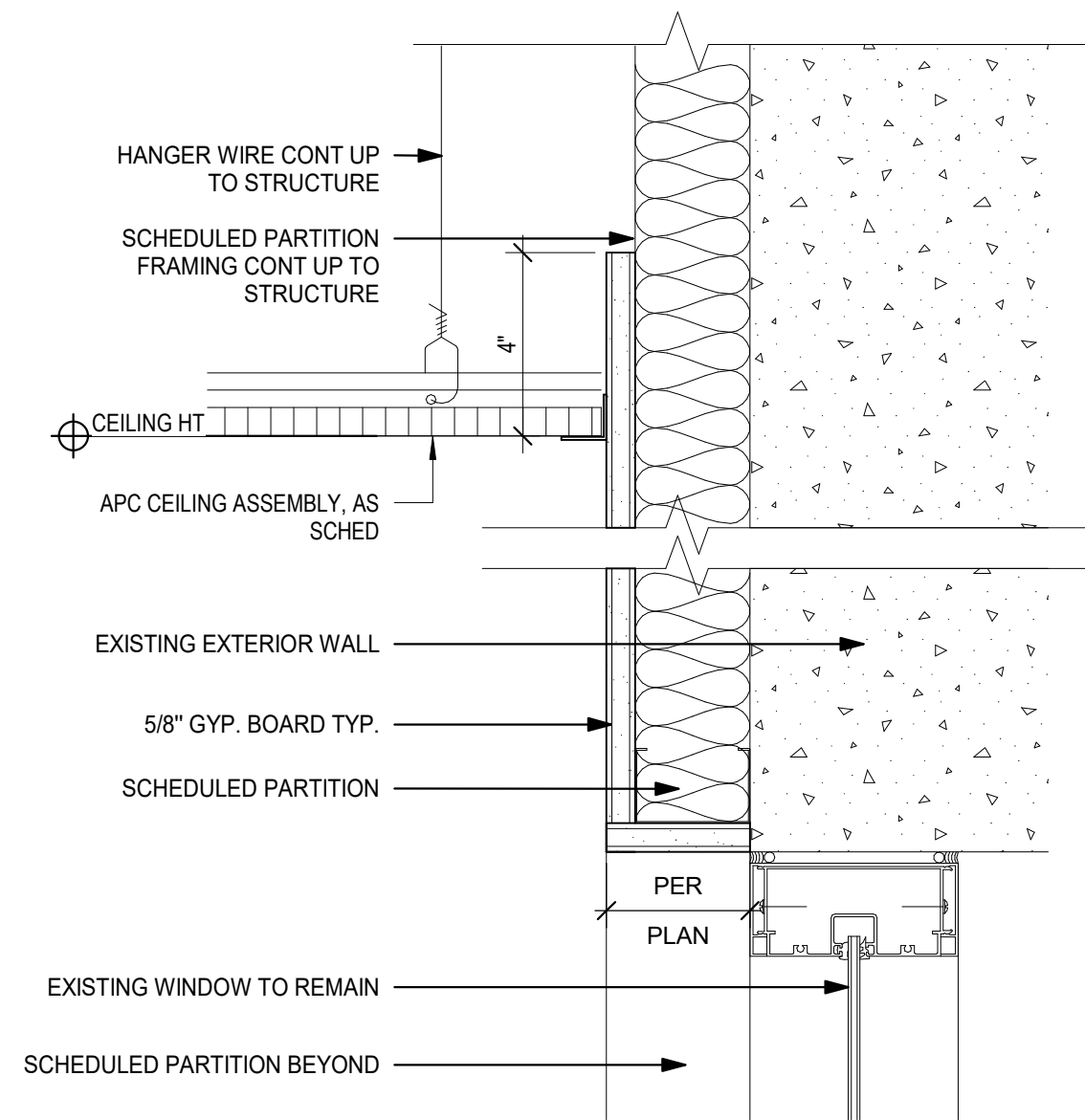
3 SECTION THRU STAIR  
1" = 1'-0"



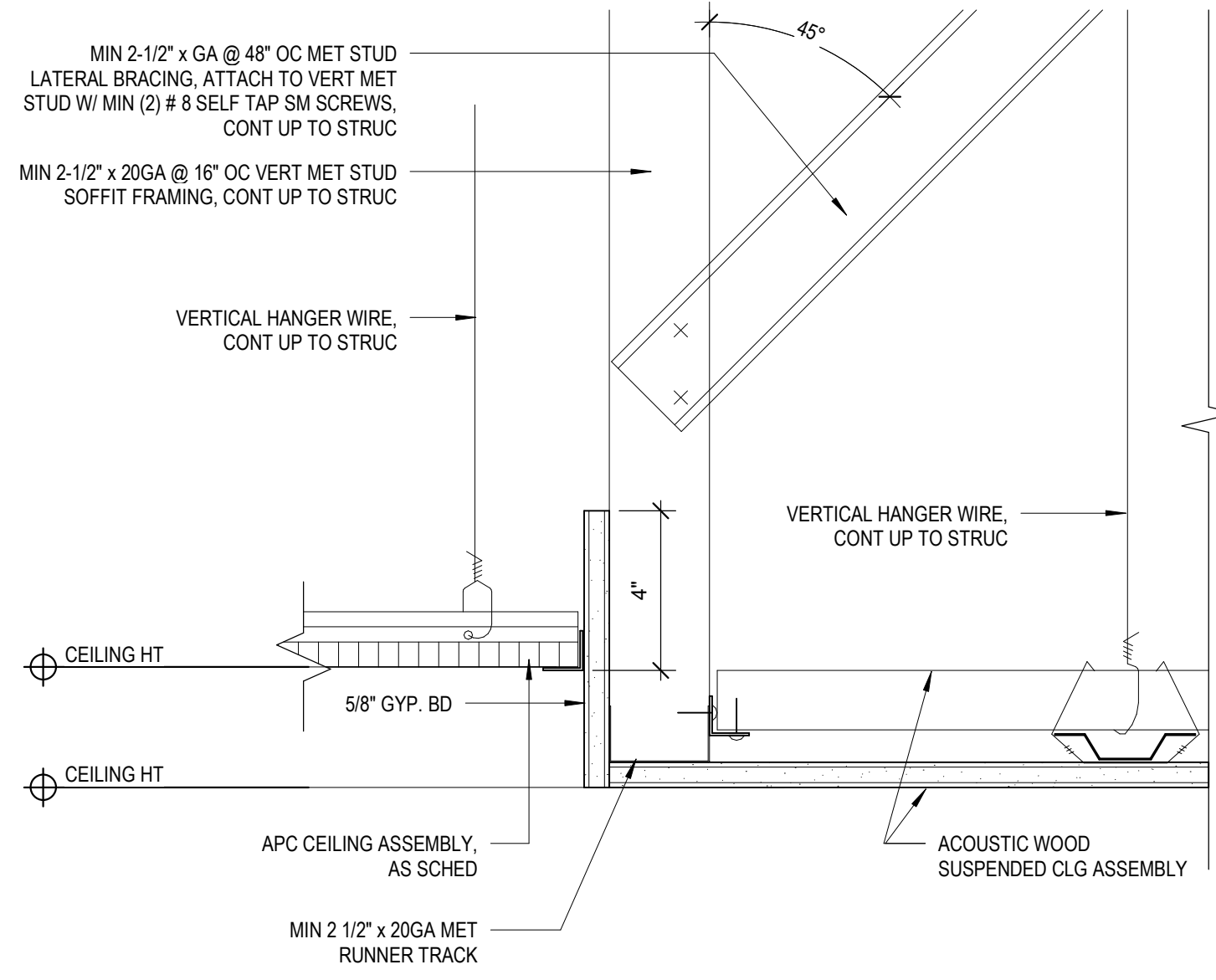
2 SECTION THRU STAIR @ CENTER RAIL  
1" = 1'-0"



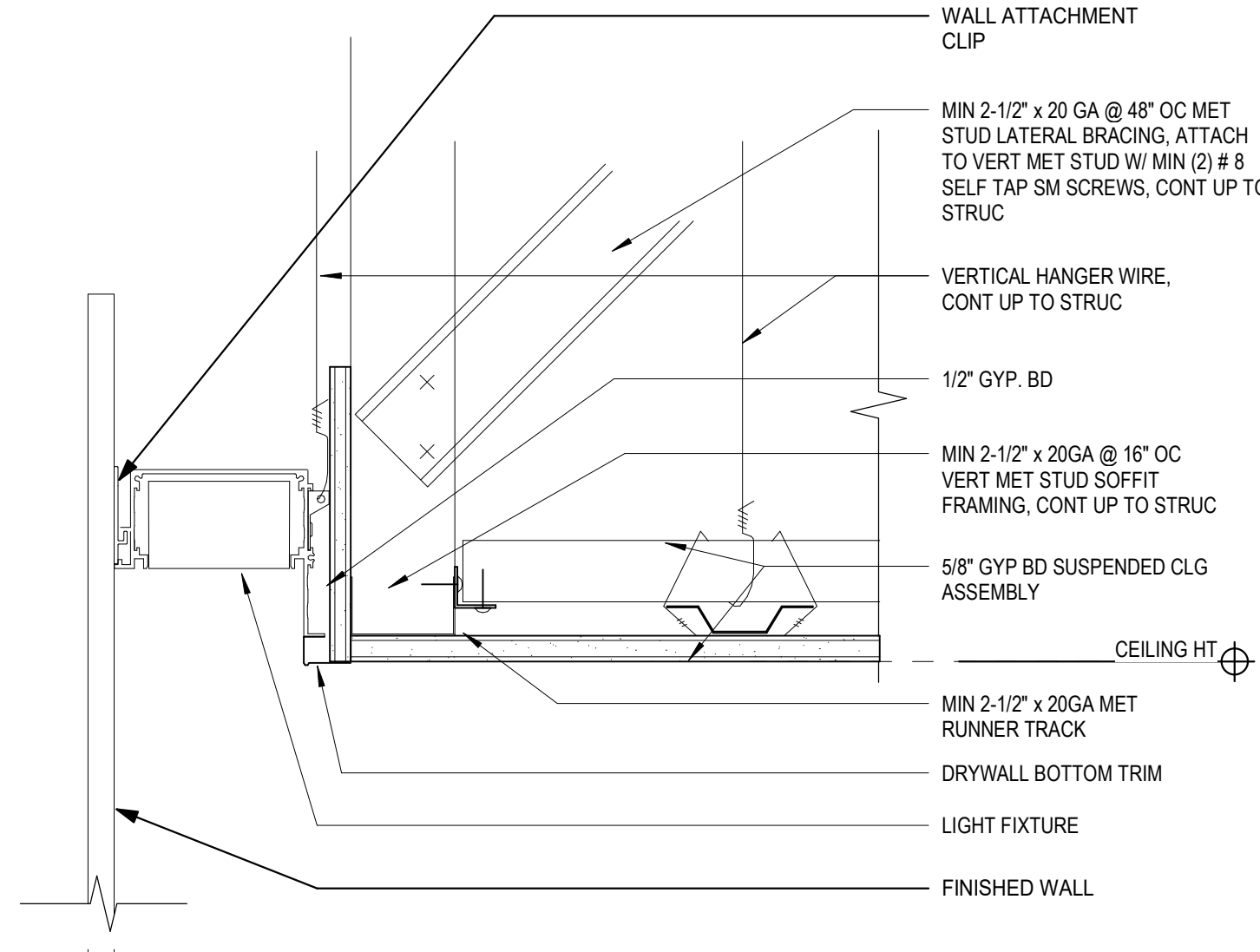
4 TYP DETAIL @ WALL MNTD HANDRAIL  
3" = 1'-0"



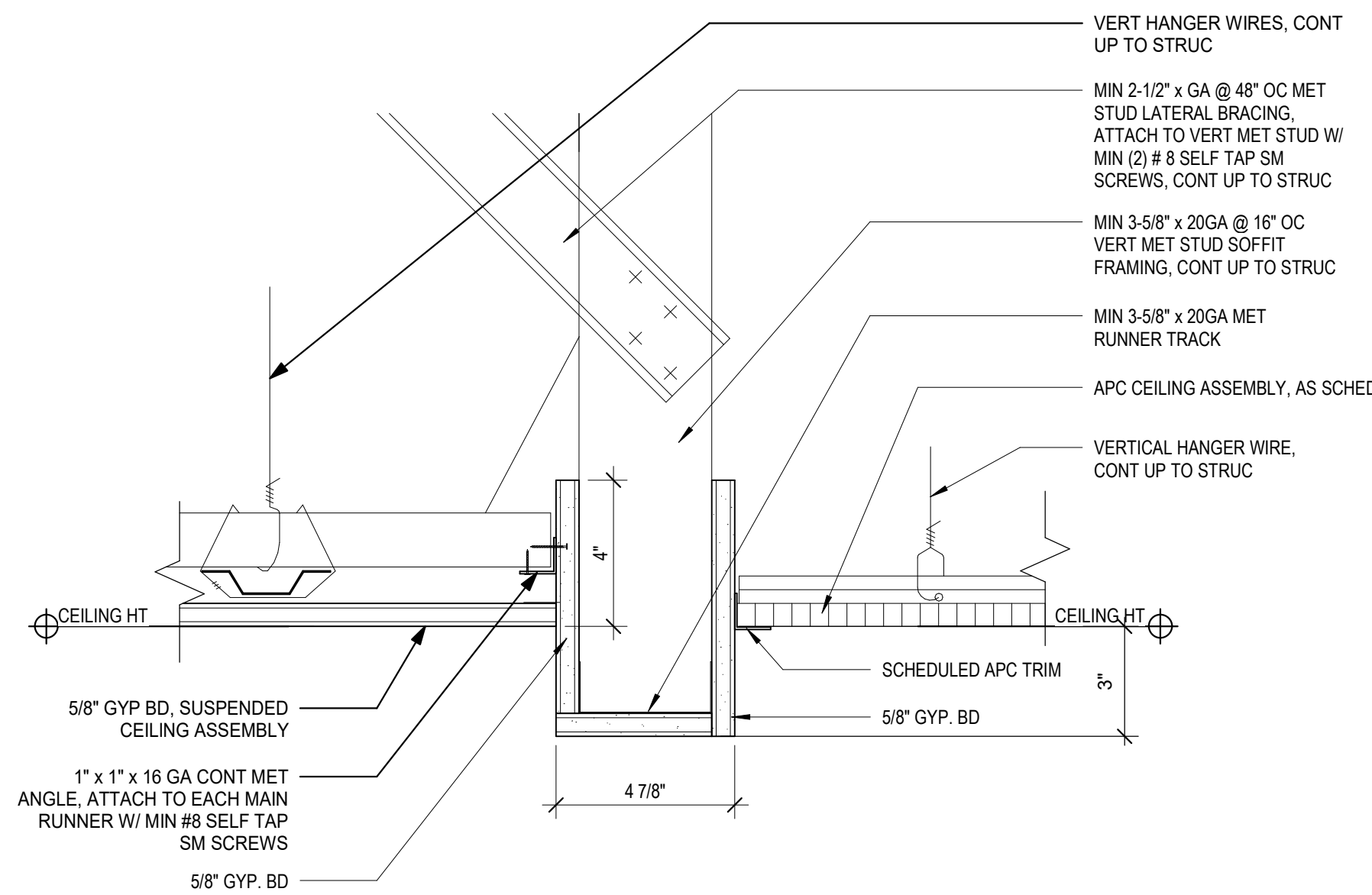
3 CEILING DETAIL AT PERIMETER  
3" = 1'-0"



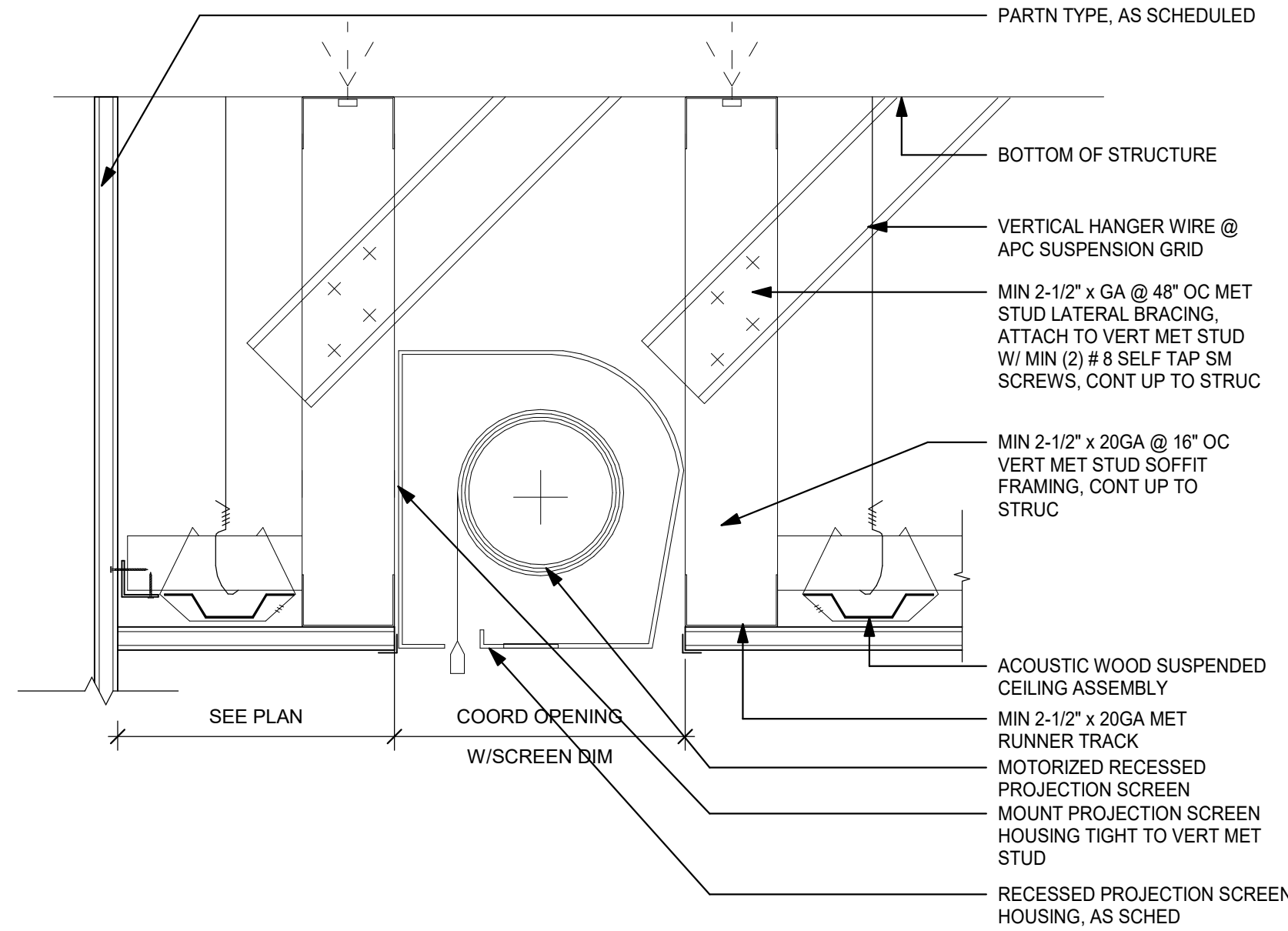
2 CEILING DETAIL AT SOFFIT  
3" = 1'-0"



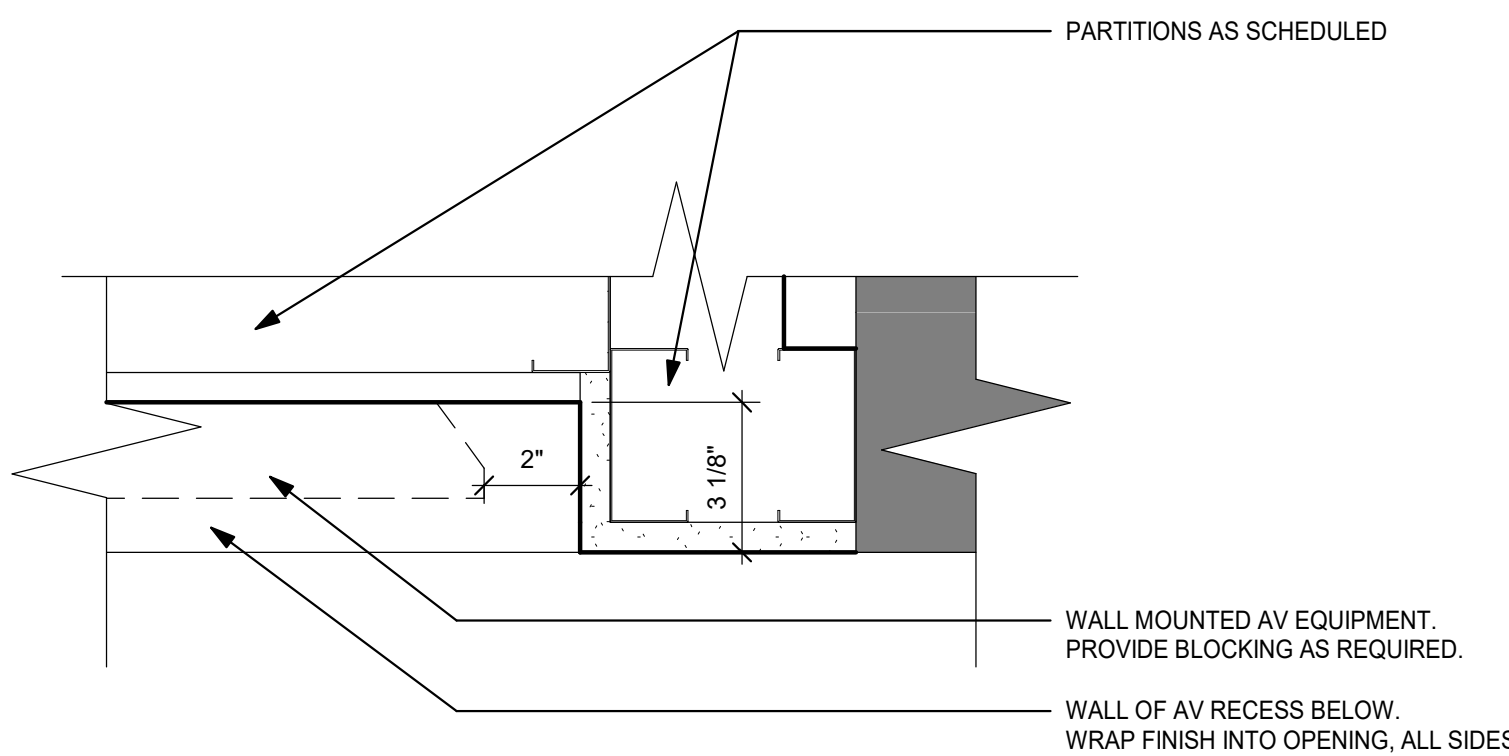
1 CEILING DETAIL AT PERIMETER COVE LIGHT  
3" = 1'-0"



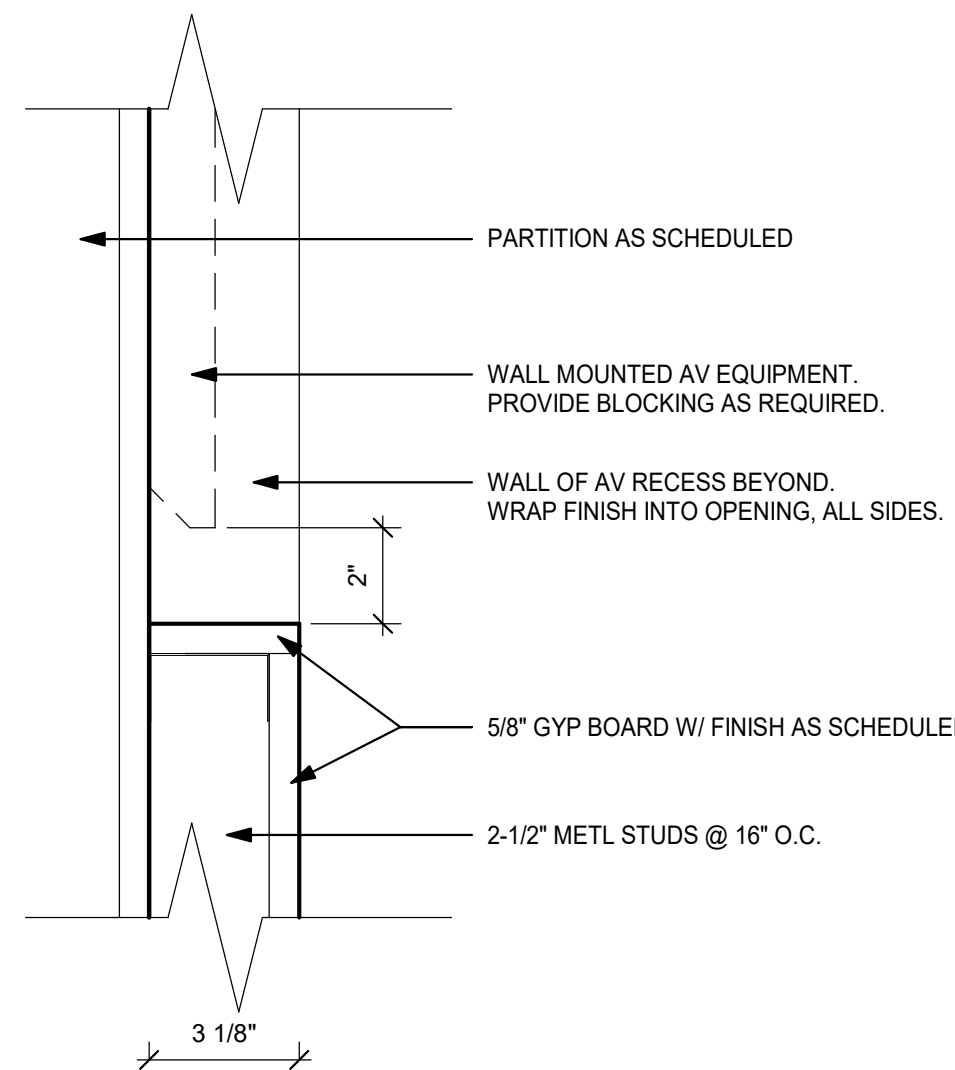
5 CEILING DETAIL AT BULKHEAD  
3" = 1'-0"



4 RECESSED PROJECTION SCREEN DET  
3" = 1'-0"



7 AV SECTION PLAN  
3" = 1'-0"



6 AV SECTION DETAIL  
3" = 1'-0"

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## INTERIOR DETAILS

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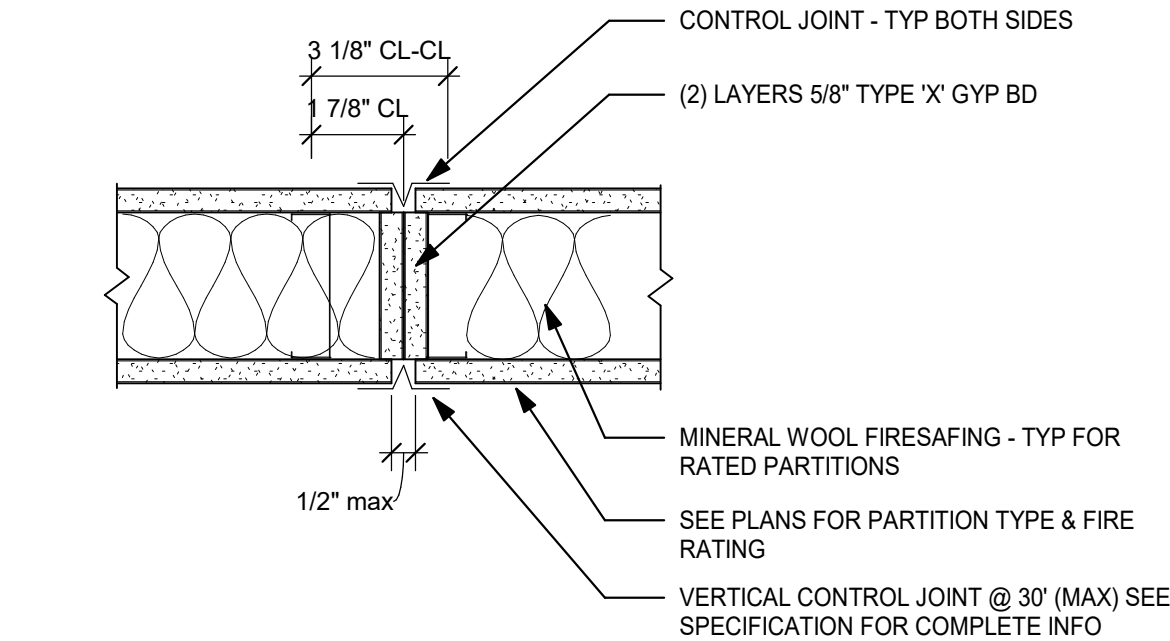
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imagine  
build

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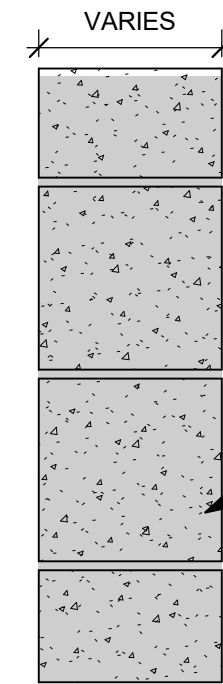
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A TYPICAL GYP BD CONTROL JOINT



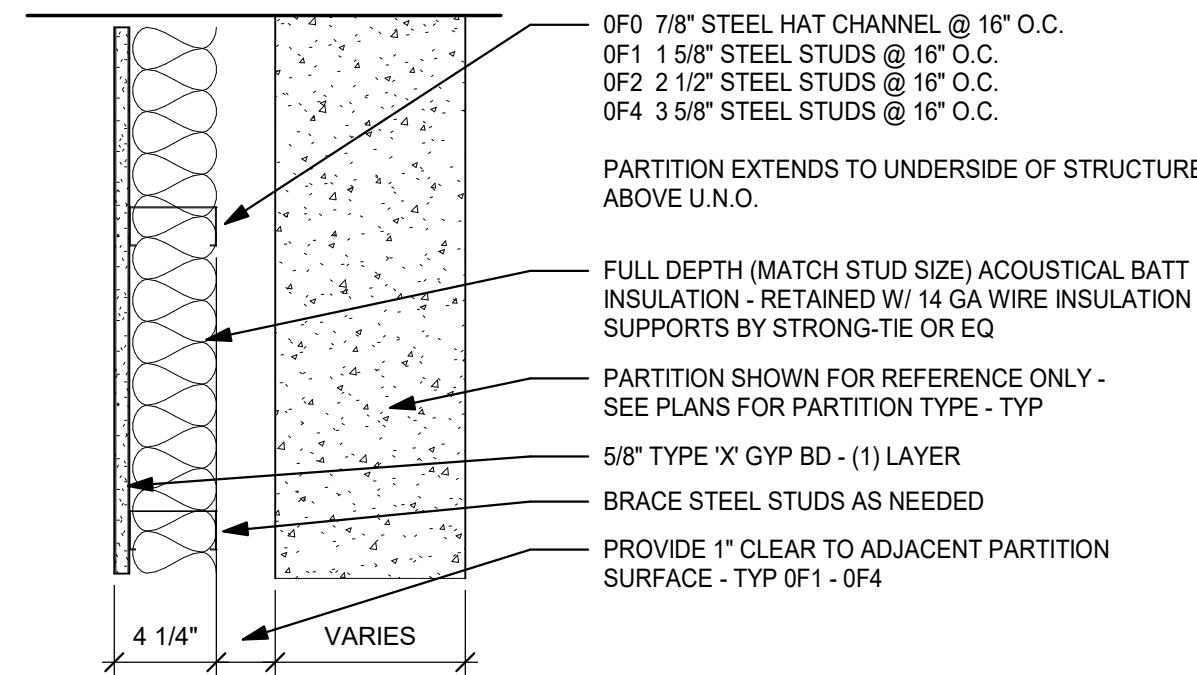
FOR CORRIDOR & INTERIOR WALLS IN RENOVATED SPACES OR FOR WALLS IDENTIFIES W/ 'EX' TAG, THE G.C. SHALL: CONFIRM EXTENT TO UNDERSIDE OF STRUCTURE ABOVE. GC TO NOTIFY ARCHITECT OF ANY DEFICIENCIES IN WALL CONSTRUCTION THAT DO NOT MEET THE REQUIRED HOURLY FIRE RATING OF WALL

IT IS THE DESIGN INTENTION THAT EXISTING MASONRY WALLS IN RENOVATED AREAS, ONCE CONFIRMED, SHALL BE CONSIDERED TO HAVE 1hr FIRE RATING

EXISTING MASONRY OR FRAMED WALL - SIZE VARIES - SEE PLANS & VERIFY IN FIELD

FORMER EXTERIOR WALLS IN THE EXISTING CLASSROOM BUILDING, WHICH ARE KNOWN TO CONSIST OF 4" BRICK VENEER & 8" MASONRY BACKUP (MANY ALSO HAVE AIRSPACE & ANOTHER 4" INNER WYTHE OF MASONRY) SHALL BE CONSIDERED TO HAVE A 2hr FIRE RATING EQUIVALENT TO UL #0906

EX EXISTING MASONRY WALL



FX NON-RATED FURRING PARTITION

PARTITION TAG NAMING MATRIX

1st NUMBER = FIRE RATING

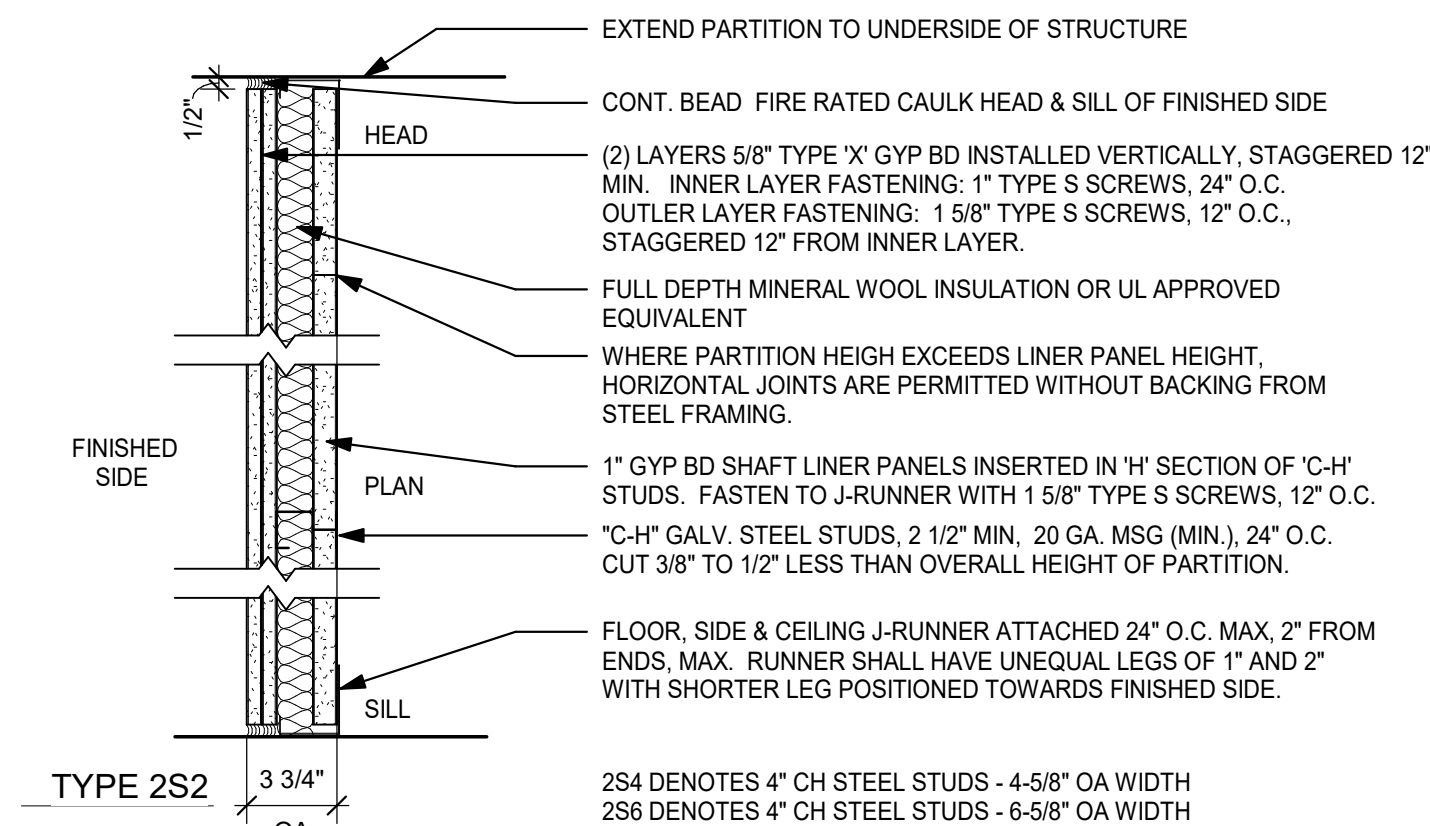
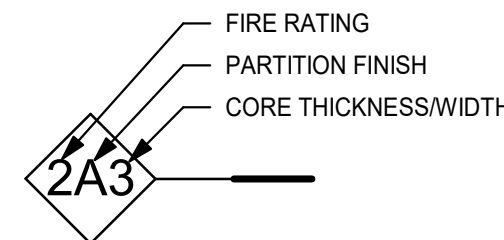
1 = 1 HR FIRE RATED PARTITION TYPE  
2 = 2 HR FIRE RATED PARTITION TYPE

2nd NUMBER = PARTITION FINISH

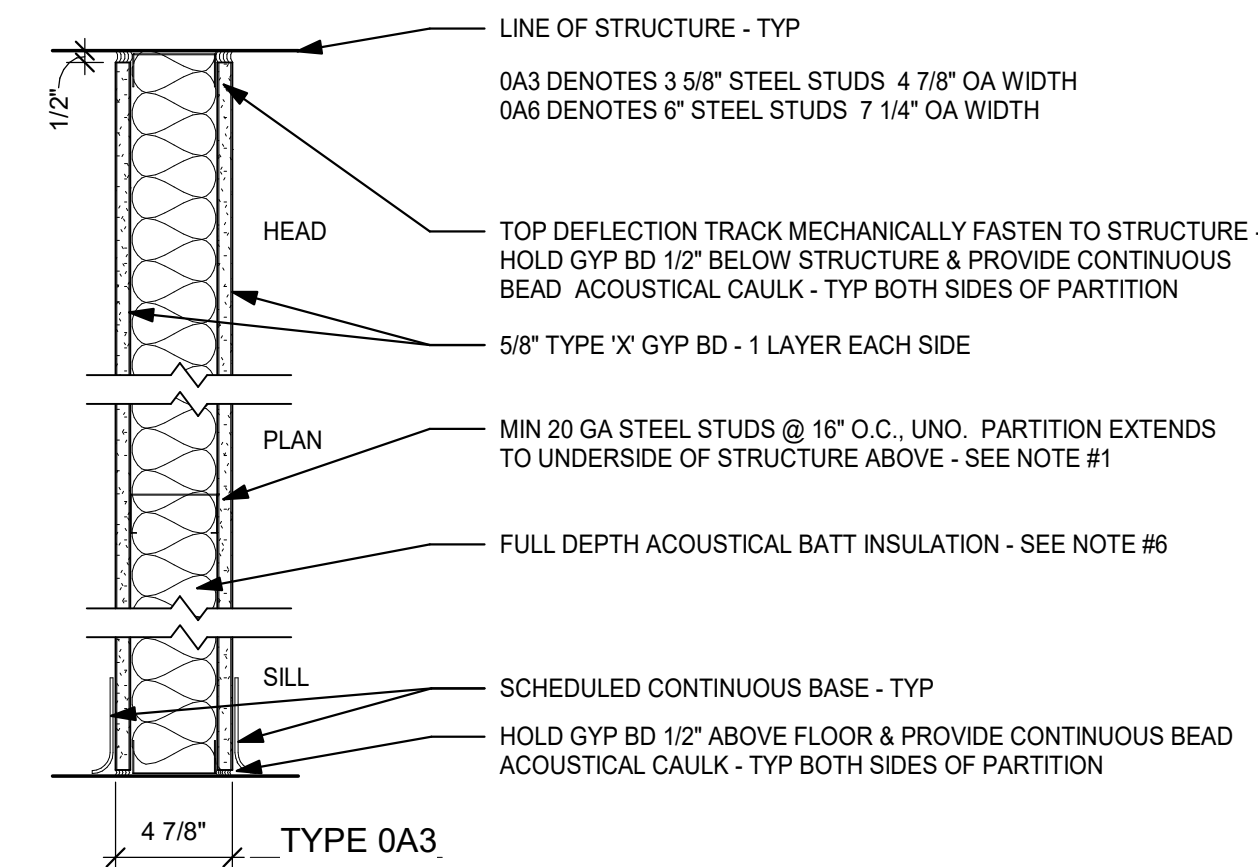
A = GYPSUM BOARD - BOTH SIDES  
B = CEMENTITIOUS BOARD - 1 OR BOTH SIDES  
C = ABUSE RESISTANT BOARD - 1 OR BOTH SIDES  
F = FURRING PARTITION  
M = MASONRY PARTITION - CMU  
P = PLUMBING CHASE  
S = SHAFT PARTITION

3rd NUMBER = PARTITION CORE THICKNESS / WIDTH

0 = 7/8" HAT CHANNEL  
1 = 1-5/8" STUD  
2 = 2-1/2" STUD  
3 = 3-5/8" STUD OR 4" CMU BLOCK  
4 = 4" STUD  
6 = 6" STUD OR 5-5/8" CMU BLOCK  
8 = 8" STUD OR 7-5/8" CMU BLOCK  
10 = 10" STUD OR 9-5/8" CMU BLOCK  
12 = 12" STUD OR 11-5/8" CMU BLOCK



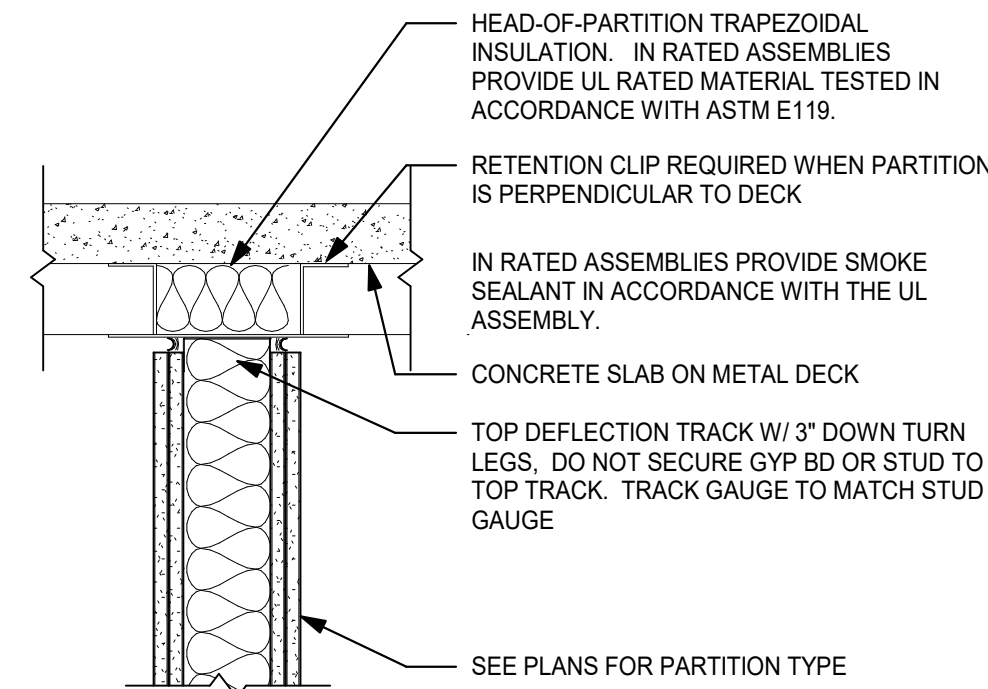
2SX 2 HR SHAFT PARTITION - UL #U415 - SYSTEM B  
DESIGN STC = 45  
FIELD STC = 38 (MIN)



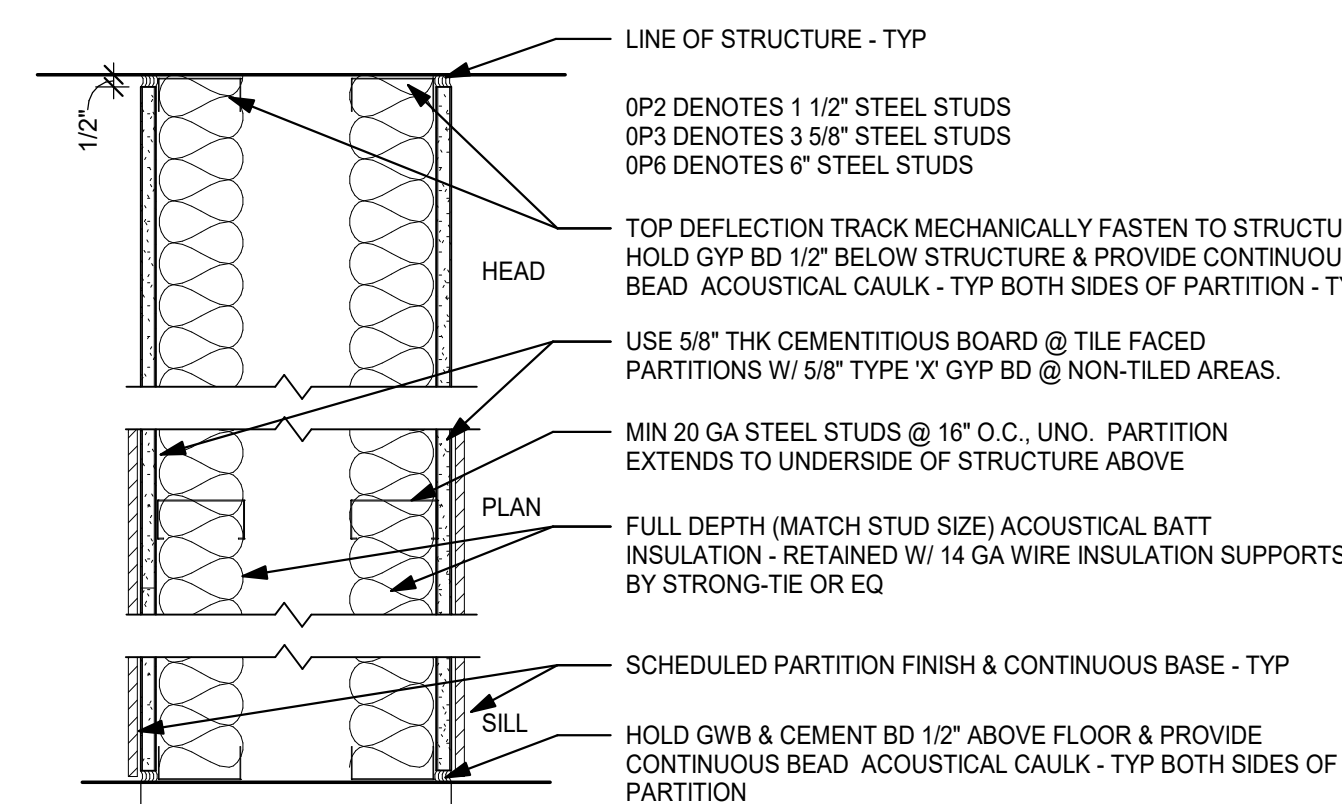
AX NON-RATED STEEL STUD WALL

PARTITION CONSTRUCTION NOTES

- PROVIDE DEFLECTION TRACK AT TOP OF ALL PARTITIONS THAT EXTEND TO STRUCTURE ABOVE, (TYPICAL). PROVIDE FIRE-RATED DEFLECTION TRACK SYSTEM AT TOP OF ALL FIRE-RATED PARTITIONS, (TYPICAL). SEE DETAIL H1 ON THIS SHEET.
- SEE SPECIFICATIONS FOR FIRESTOPPING REQUIREMENTS.
- WHERE ACOUSTICAL BATT INSULATION IS USED IN PARTITIONS: SEAL AIRTIGHT W/ NON-HARDENING ACOUSTICAL SEALANT AT TOP, BOTTOM & SIDES. PARTITION MOUNTED ELECTRICAL BOXES SHOULD BE OFFSET MIN 24" (NOT BACK TO BACK) W/ PERIMETER OF BOXES SEALED AIR-TIGHT W/ NON-HARDENING ACOUSTICAL PUTTY PADS. PIPE & DUCT PENETRATIONS SHALL BE SLEEVED, PACKED W/ 10lb. DENSITY CLOSED CELL FOAM, & SEALED TO PARTITION W/ NON-HARDENING ACOUSTICAL SEALANT. FIRE RATED PARTITIONS TO RECEIVE FIRE RATED PUTTY PADS - TYP
- PROVIDE 'INSULHOLD' HANGERS OR EQ BATT RETAINING CLIPS HORIZONTALLY @ MAX 48" SPACING PER MFG SPECS IN ALL SINGLE SIDED (GYP BD) FURRING PARTITIONS.
- COORDINATE REQUIRED STUD GAUGE WITH STRUCTURAL DRAWINGS - TYP
- WHEN (2) LAYERS OF TYPE 'X' GYP BD ARE REQUIRED, ONLY OUTER LAYER TO BE 5/8" THK ABUSE RESISTANT TYPE.
- REFER TO SPECIFICATIONS AND MANUFACTURER RECOMMENDATIONS FOR ENVIRONMENTAL CONDITIONS REQUIRED FOR STORAGE AND INSTALLATION OF GYPSUM PARTITION BOARD PRODUCTS. PRODUCTS IMPROPERLY STORED OR INSTALLED WITHOUT INDOOR ENVIRONMENTAL CONTROL MAY BE REJECTED.
- SEE SPECIFICATIONS FOR FINISH REQUIREMENTS OF GYP BD AT WET AREAS. USE TILE BACKER BOARD (CEMENT BOARD) FOR ALL TILED AREAS. GREEN BOARD &/OR BLUE BOARD ARE PROHIBITED FROM USE ON THIS PROJECT.
- ASSEMBLE ALL RATED PARTITION TYPES PER UNDERWRITERS LABORATORY FIRE RESISTANCE RATING REQUIREMENTS.
- METALLIC BOXES LOCATED ON OPPOSITE SIDES OF PARTITIONS OR PARTITIONS SHOULD BE SEPARATED BY A MINIMUM HORIZONTAL DISTANCE OF 24 IN. THIS MINIMUM SEPARATION DISTANCE BETWEEN METALLIC BOXES MAY BE REDUCED WHEN WALL-OPENING PROTECTIVE MATERIALS (CLV) ARE INSTALLED ACCORDING TO THE REQUIREMENTS OF THEIR CERTIFICATION.
- METALLIC BOXES SHALL NOT BE INSTALLED ON OPPOSITE SIDE OF PARTITIONS OR PARTITIONS OF STAGGERED STUD CONSTRUCTION UNLESS WALL-OPENING PROTECTIVE MATERIALS ARE INSTALLED WITH THE METALLIC BOXES IN ACCORDANCE WITH CERTIFICATION REQUIREMENTS FOR THE PROTECTIVE MATERIALS.



H1 TYPICAL PARTITION HEAD DETAIL @ METAL DECK PERPENDICULAR TO DECK



PX NON-RATED CAVITY PARTITION - PLUMBING, ETC.

Door Schedule																	
Level	Mark	From Room	From #	To Room	# LEA VES	WI	HT	ELEV	Door Mat	Door Fin	Frame Mat	Frame Fin	Frame Type	Fire Label	Saddle	HDWE SET	Comments
1ST FLOOR ENTRY	101X	LOBBY	101		2	3' - 3"	6' - 8"	G					03			1.0	SEE A301. REUSE EXISTING MASONRY OPENING.
1ST FLOOR ENTRY	103	CORRIDOR	102	T	1	3' - 0"	7' - 0"	F	WD	WD	HM	P	01		SL	5.0	DOOR IS PART OF ALTERNATE #1
1ST FLOOR ENTRY	104A	CORRIDOR	102	STOR	1	3' - 0"	7' - 0"	F	HM	PTD	HM	P	01			4.0	DOOR IS PART OF ALTERNATE #1
1ST FLOOR ENTRY	105	STOR	104	JAN	1	2' - 6"	7' - 0"	F	HM	PTD	HM	P	01			4.0	
1ST FLOOR ENTRY	S1	LOBBY	101	STAIRS	1	2' - 6"	7' - 0"	F	WD	WD	HM	P	01			6.0	DOOR STAIN TO MATCH WOOD LOOK WALL COVERING. MATCH EXISTING DOOR OPENING SIZE.
1ST FLOOR	104B	CONFERENCE ROOM	110	STOR	2	3'-0"	7' - 0"	F	WD	WD	HM	P	02			3.0	DOOR STAIN TO MATCH RECEIVE WOOD LOOK WALL COVERING
1ST FLOOR	107	VEST	106	T	1	3' - 0"	7' - 0"	F	HM	PTD	HM	P	01		SL	5.0	
1ST FLOOR	110A	CONFERENCE ROOM	110	LOBBY	1	3' - 0"	7' - 0"	G					05			2.0	
1ST FLOOR	110B	CONFERENCE ROOM	110	CORRIDOR	2	3' - 0"	7' - 0"	FLNG	HM	PTD	HM	P	02	90 MIN		8.0	
1ST FLOOR	110C	CONFERENCE ROOM	110		1	3' - 0"	7' - 0"	ETR	ETR	PTD	ETR	P	01			7.0	PAINT EXISTING DOOR AND FRAME. ADD FROSTED FILM TO TRANSOM GLASS.
1ST FLOOR	110D	CONFERENCE ROOM	110		1	3' - 0"	7' - 0"	ETR	ETR	PTD	ETR	P	01			7.0	PAINT EXISTING DOOR AND FRAME. REPLACE SOLID TRANSOM PANEL WITH GLASS AND FROSTED FILM.

GLASS NOTES:

GL-1 = 1/4" TEMPERED

GL-2 = LOW-E COATED, CLEAR INSULATING GLASS

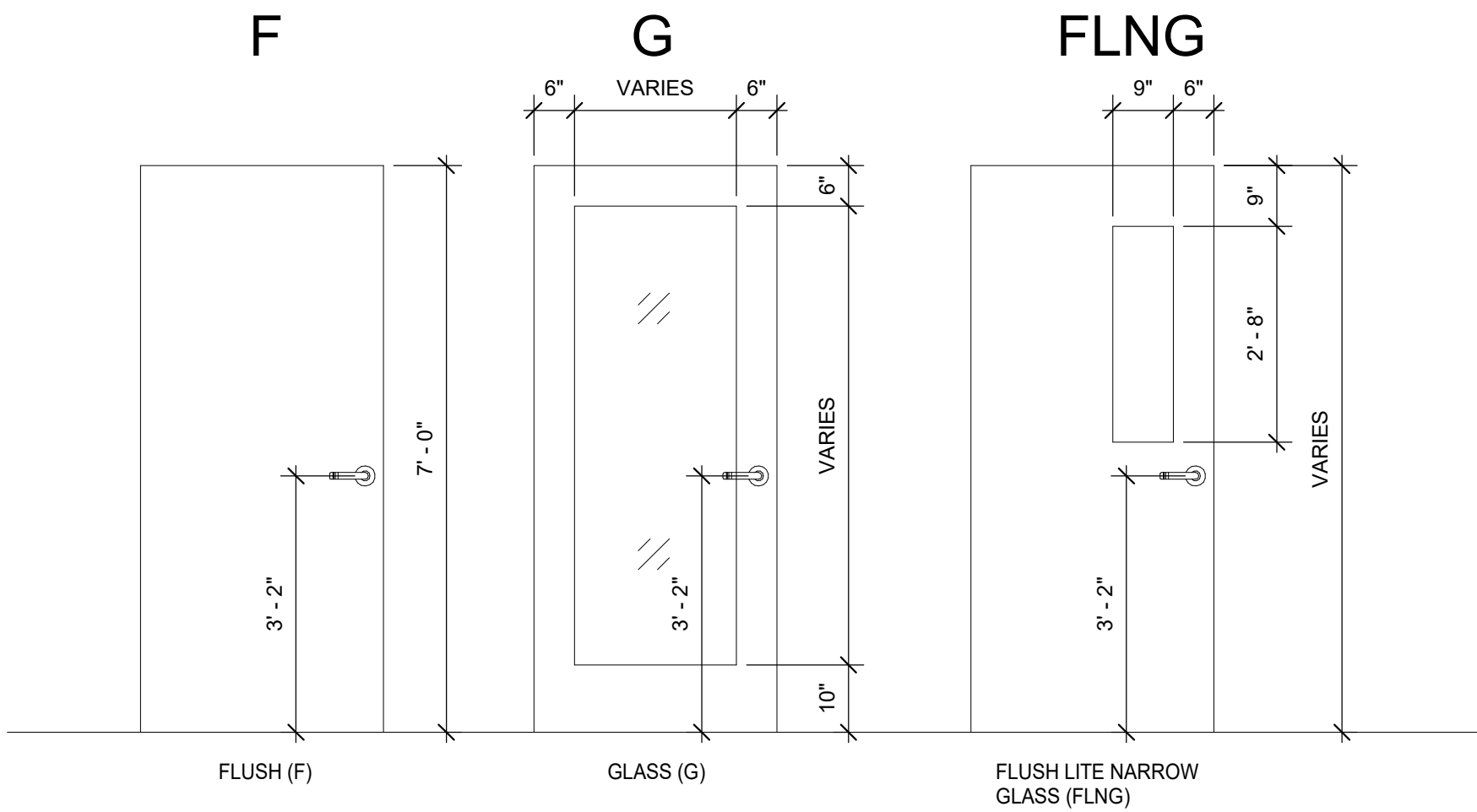
GENERAL NOTES

- G.C. SHALL VERIFY SIZE OF REPLACEMENT DOORS & FRAMES IN THE EXISTING BUILDING BEFORE ORDERING.
- SEE SPEC. SECTION 08 71 00 FOR DOOR HARDWARE SETS, HARDWARE NOTES, COMPONENTS & OTHER INFORMATION.
- EXTERIOR DOOR SYSTEMS SHALL BE FULLY PERIMETER CAULKED TO ADJACENT FINISHED SURFACES, BOTH INTERIOR & EXTERIOR - TYP.
- FACE OF ADJACENT WALL TO EDGE OF DOOR FRAME IS 4" (TYPICAL) U.N.O.
- SEE A201 FLOOR PLAN FOR FRAME TYPE LOCATIONS. PROVIDE FRAME TYPE 01 FOR DOORS THAT ARE UNLABELED.

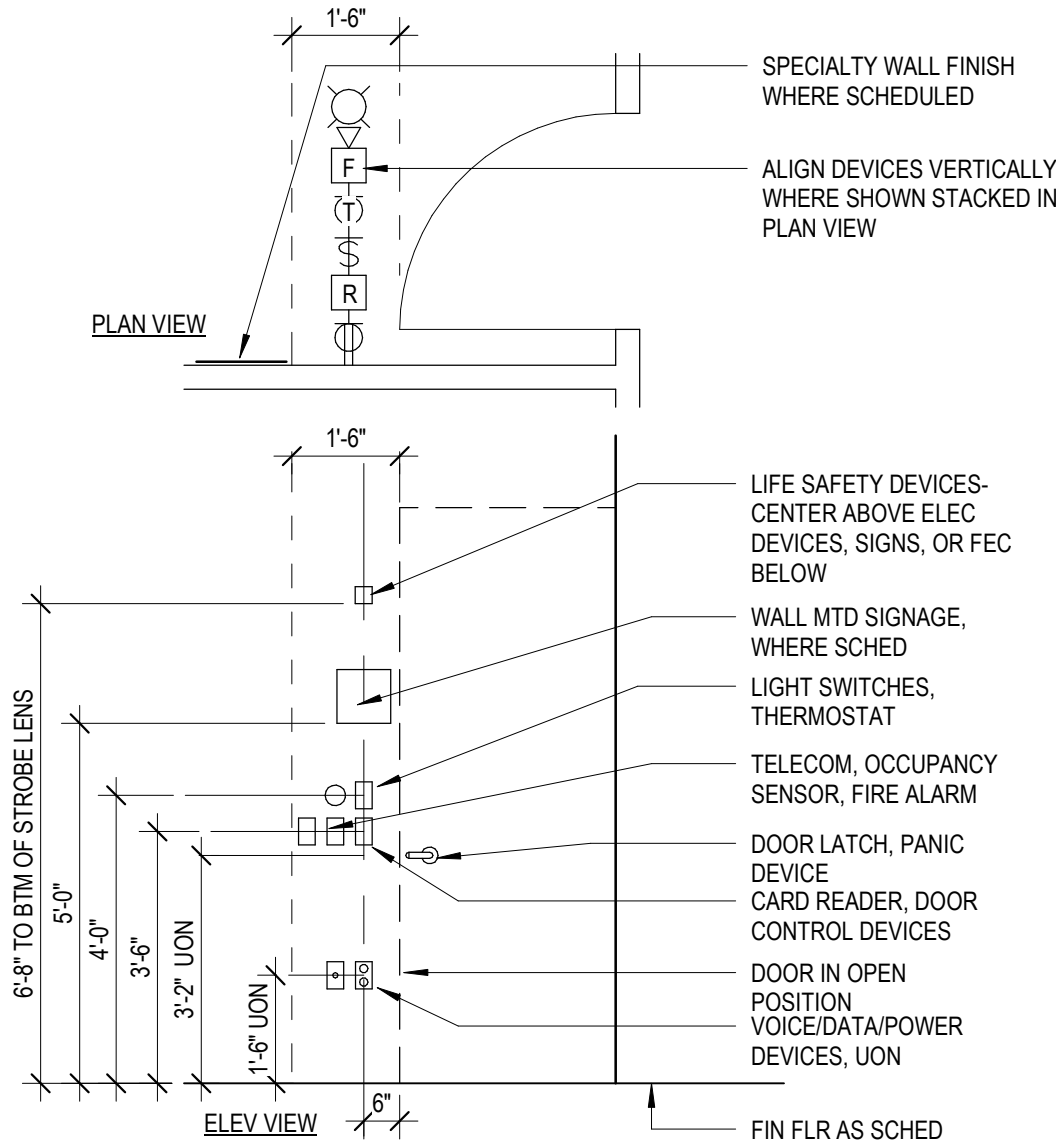
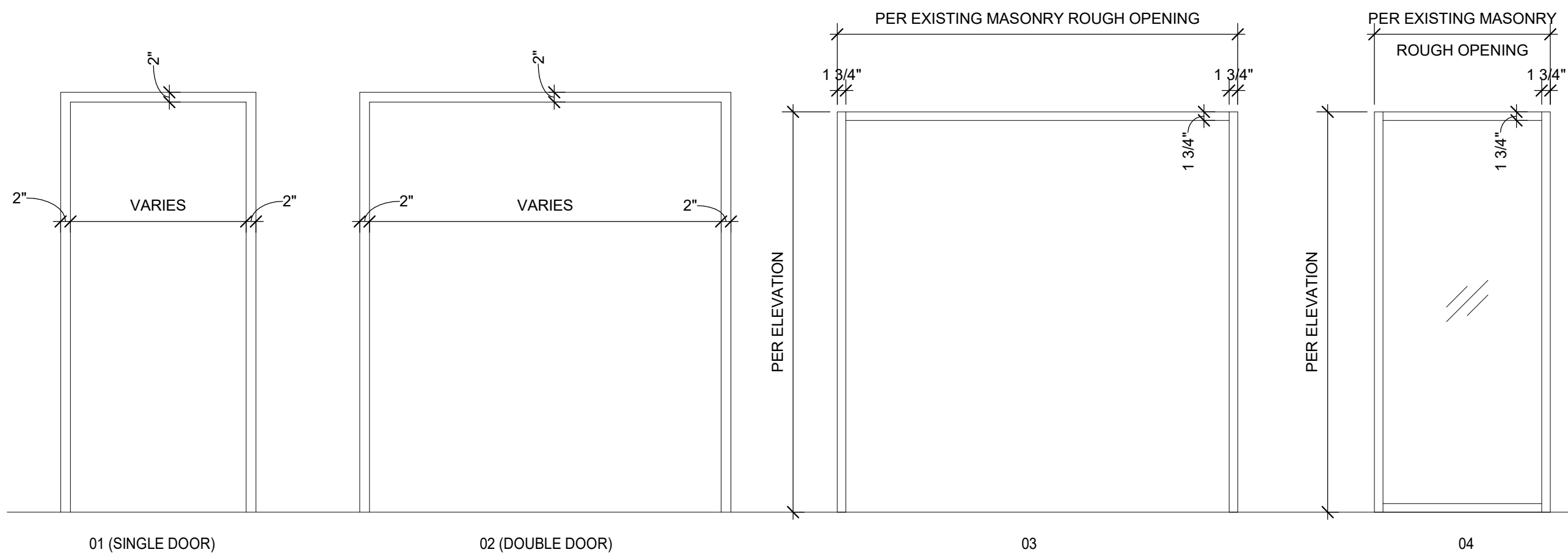
4

Door Schedule Base Bid																	
Level	Mark	From Room	From #	To Room	# LEAVES	WI	HT	ELEV	Door Mat	Door Fin	Frame Mat	Frame Fin	Frame Type	Fire Label	Saddle	HDWE SET	Comments
1ST FLOOR ENTRY	104A'	LOBBY	101	STOR	1	3' - 0"	7' - 0"	F	WD	WD	HM	P	1			9.0	BASE BID. DOOR STAIN TO MATCH WOOD LOOK WALL COVERING.

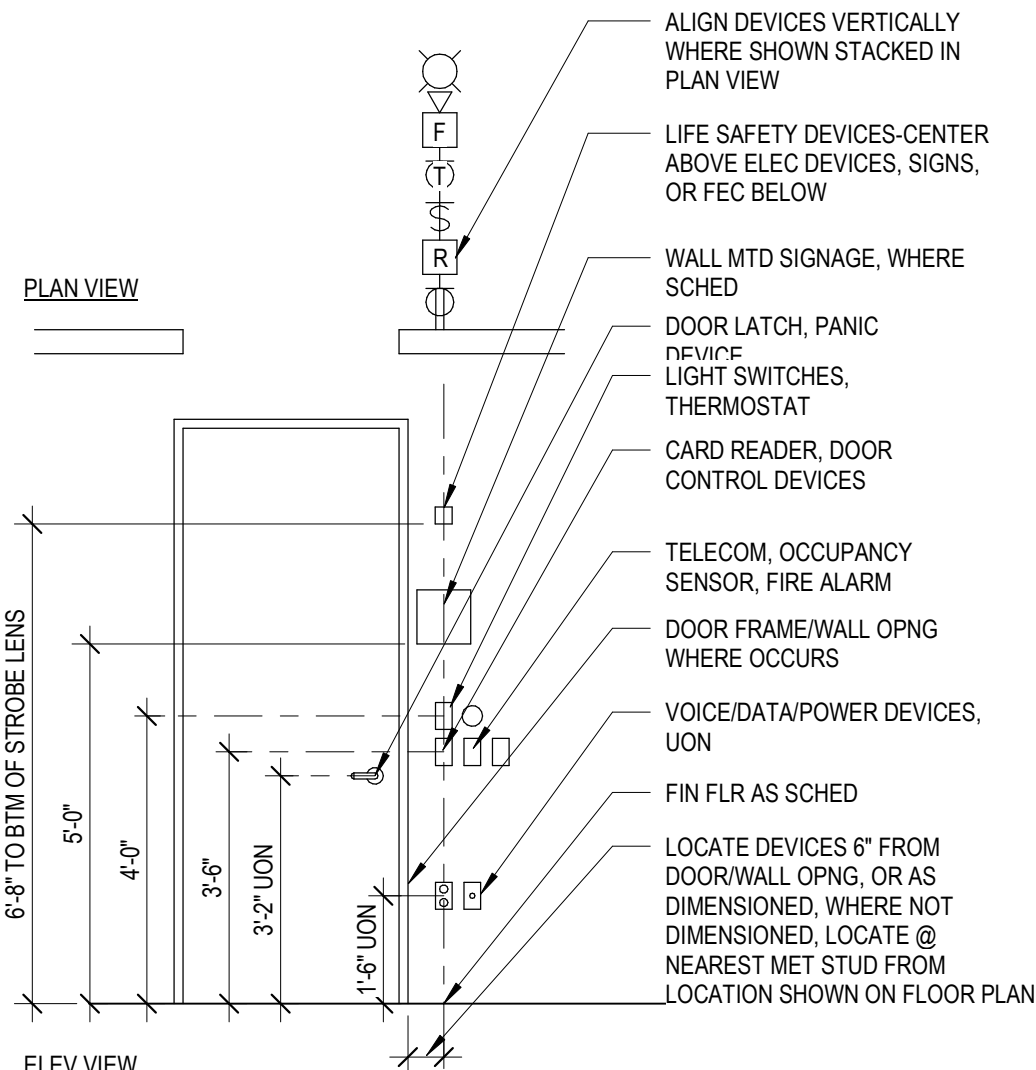
DOOR TYPES



FRAME TYPES



A900-3020A OPEN



A900-3020A

2 GEN DEVICE ALIGNMENT DIAGRAM - DOOR OPEN  
3/8" = 1'-0"

1 GENERAL DEVICE ALIGNMENT DIAGRAM  
3/8" = 1'-0"

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No.	Date	Issue
5	2022-10-12	ISSUE FOR REBID
4	2022-08-03	BID ADDENDUM #3
2	2022-07-12	ISSUE FOR BID
1	2022-03-24	CONSTRUCTION DOCUMENTS

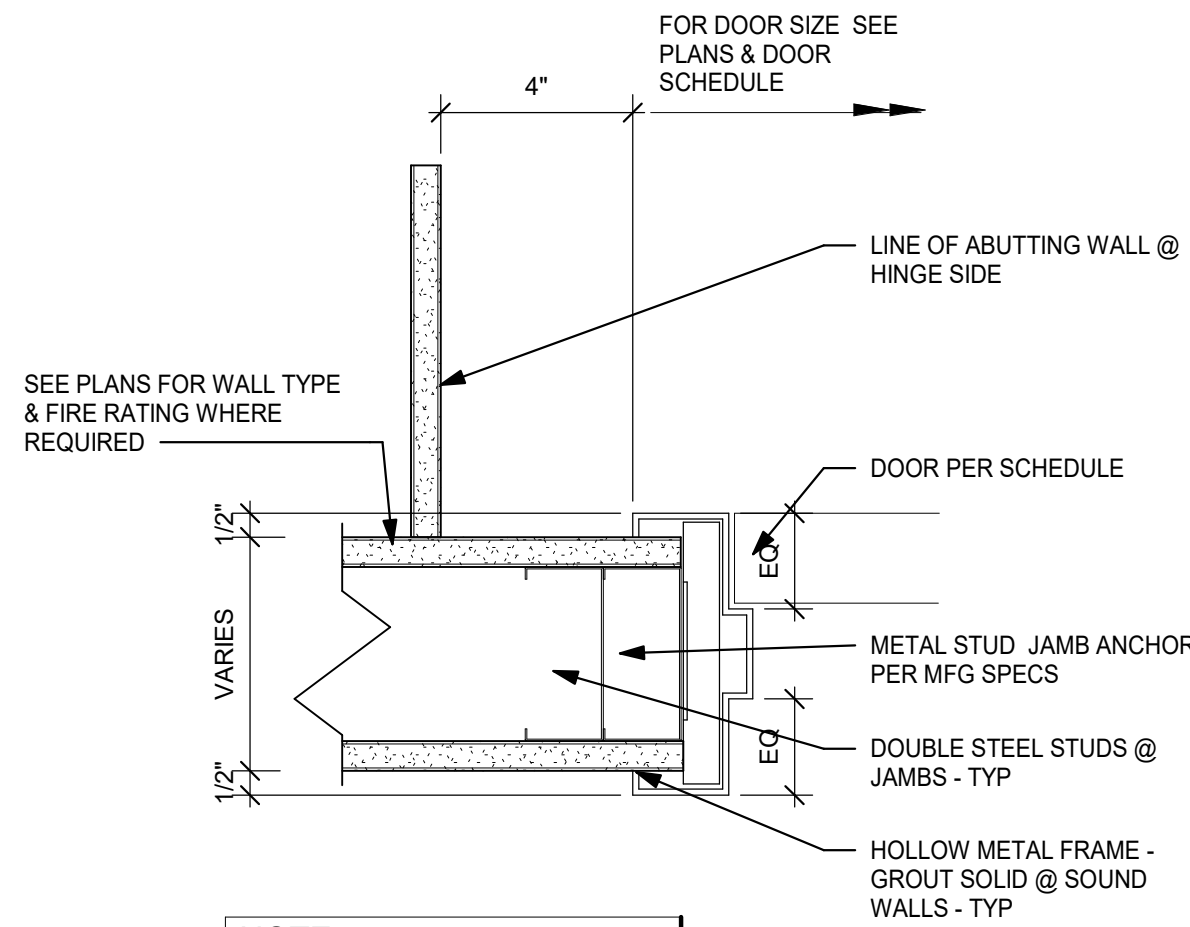
Sheet Title

DOOR SCHEDULE, DOOR & FRAME TYPES

Job No.	2021-1048	Date	09/10/2021
Scale	AS NOTED	Drawn / Checked	Author Checker

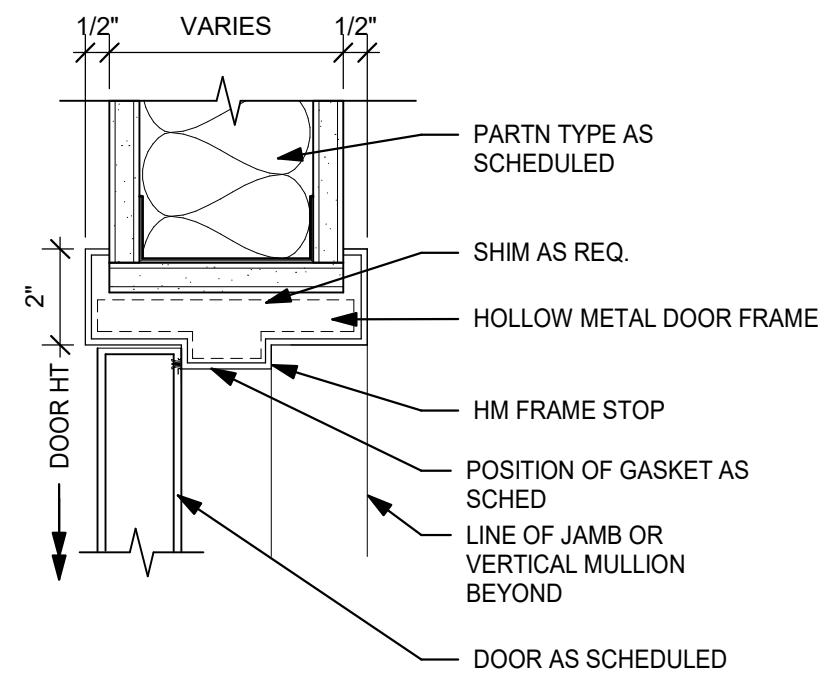
Sheet Number

A911



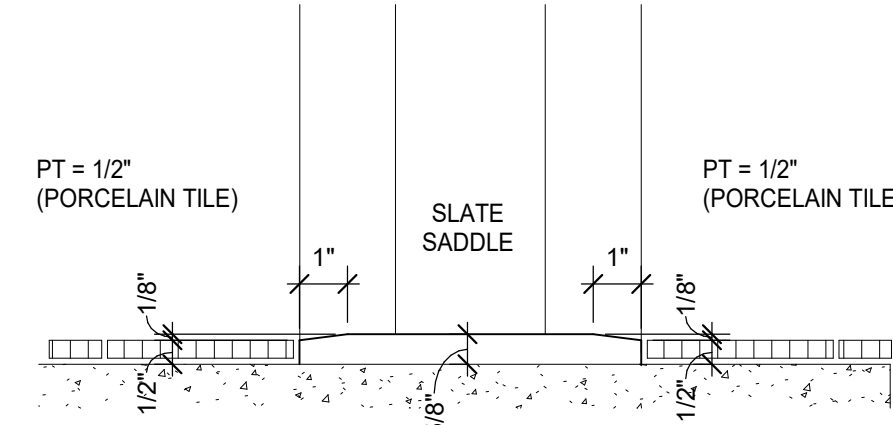
NOTE:  
ASSEMBLE AS PER  
UNDERWRITERS  
LABORATORY, FIRE  
RESISTANCE RATING  
REQUIREMENTS. WHERE  
RATED WALLS ARE  
INDICTED.

4 HM DOOR JAMB AT GYP BD WALL  
SCALE 3"= 1'-0"

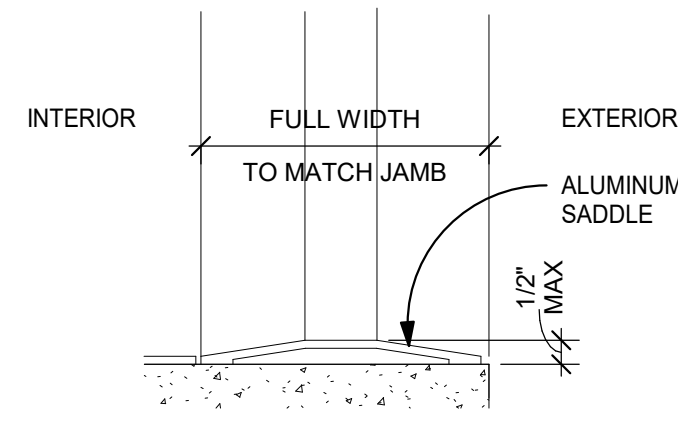


3 HM DOOR HEAD AT GYP BD WALL  
SCALE 3"= 1'-0"

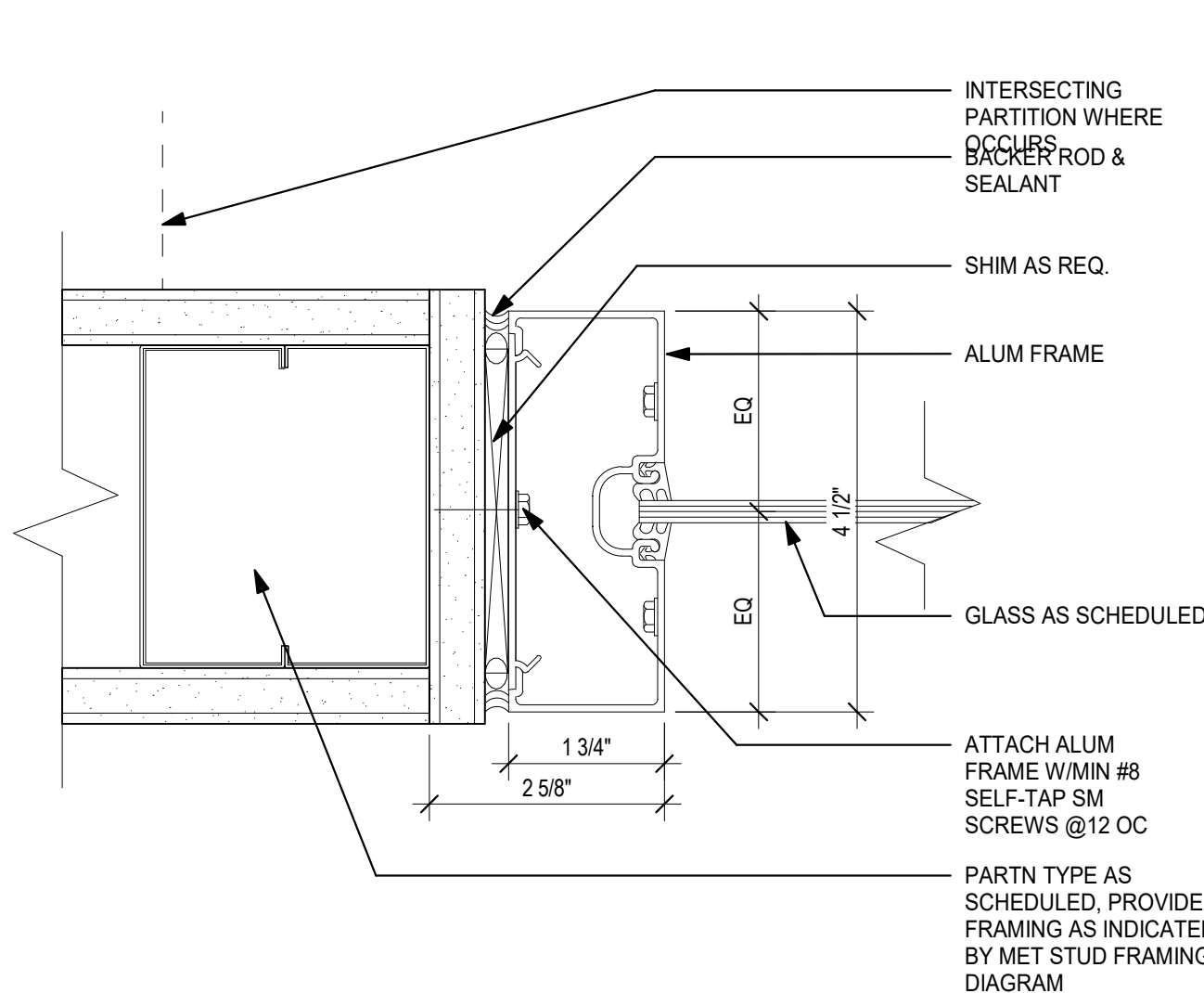
- SADDLE NOTES:
1. COORDINATE DOOR UNDERCUT WITH SADDLE & OTHER UNDERCUTTING REQ. SEE DOOR SCHEDULE & SADDLE DETAILS ON THIS SHEET.
  2. SADDLES ARE TO BE FULL WIDTH OF DOOR FRAME
  3. SADDLES MAY BE OMITTED WHERE MATERIALS OF SIMILAR THICKNESS MEET WITH THE WRITTEN APPROVAL OF THE ARCHITECT. DOOR UNDERCUTS MUST BE COORDINATED.
  5. SLATE SADDLES, WHEN USED OR CALLED FOR SHALL BE SELECTED FROM FULL COLOR RANGE TO MATCH ADJACENT FLOORING.



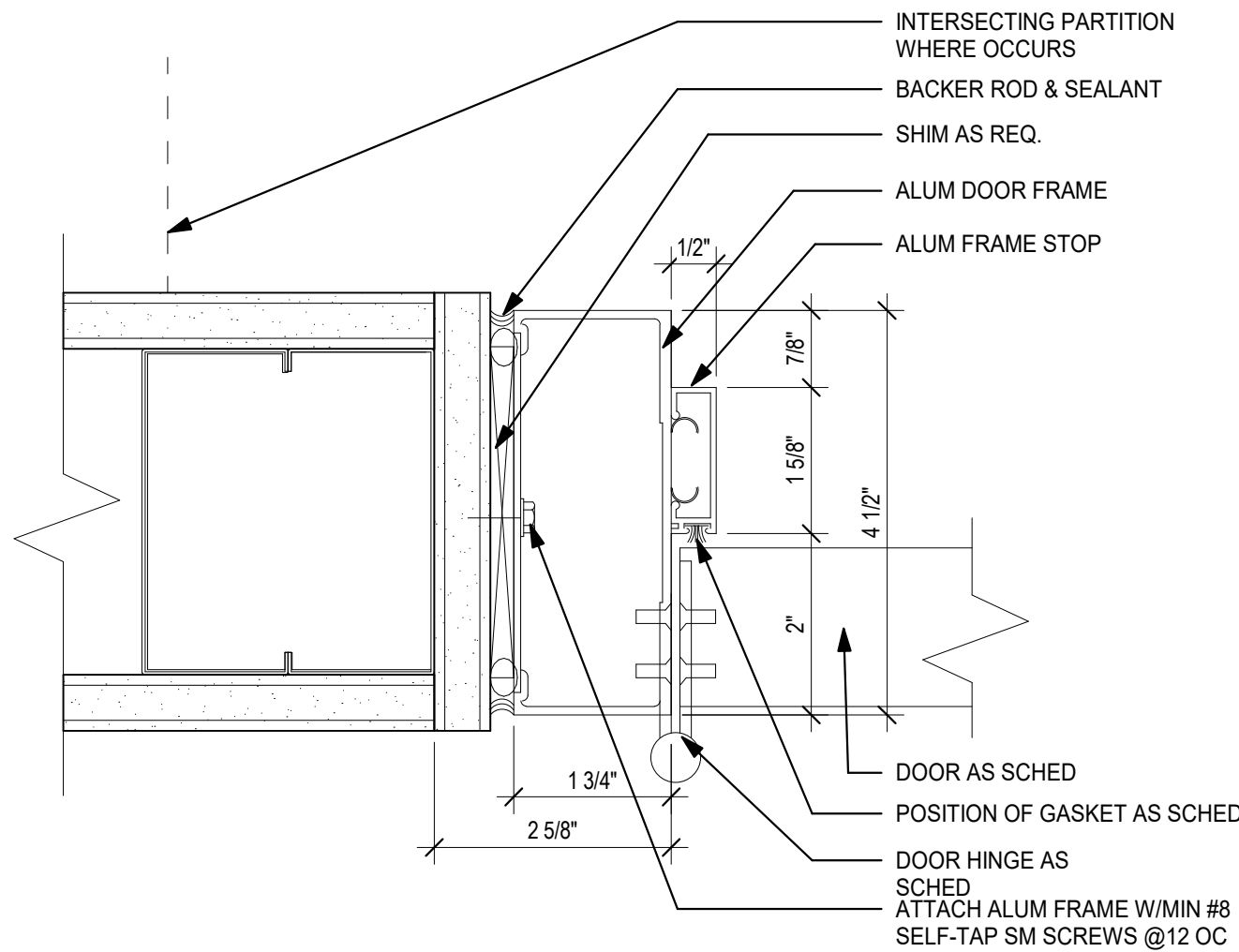
2 SADDLE DETAIL  
SCALE 3"= 1'-0"



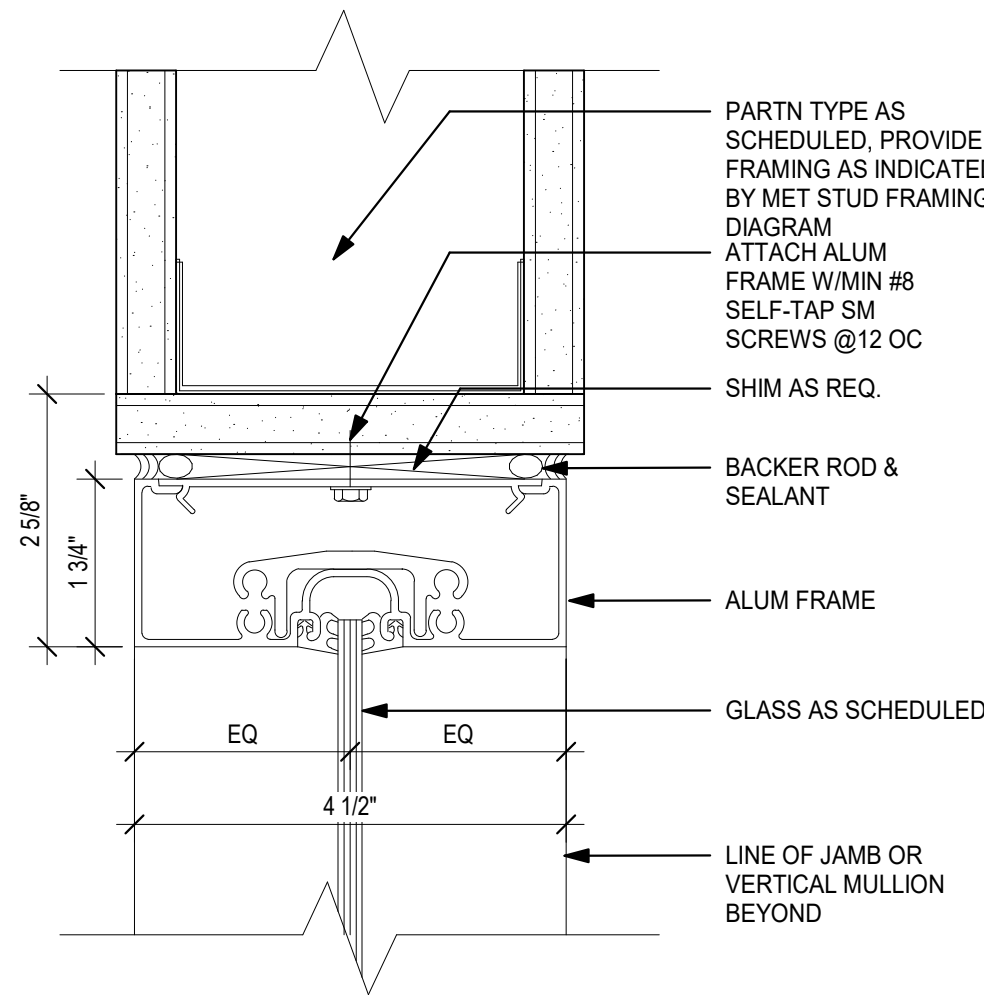
1 TYPICAL EXTERIOR SADDLE  
SCALE 3"= 1'-0"



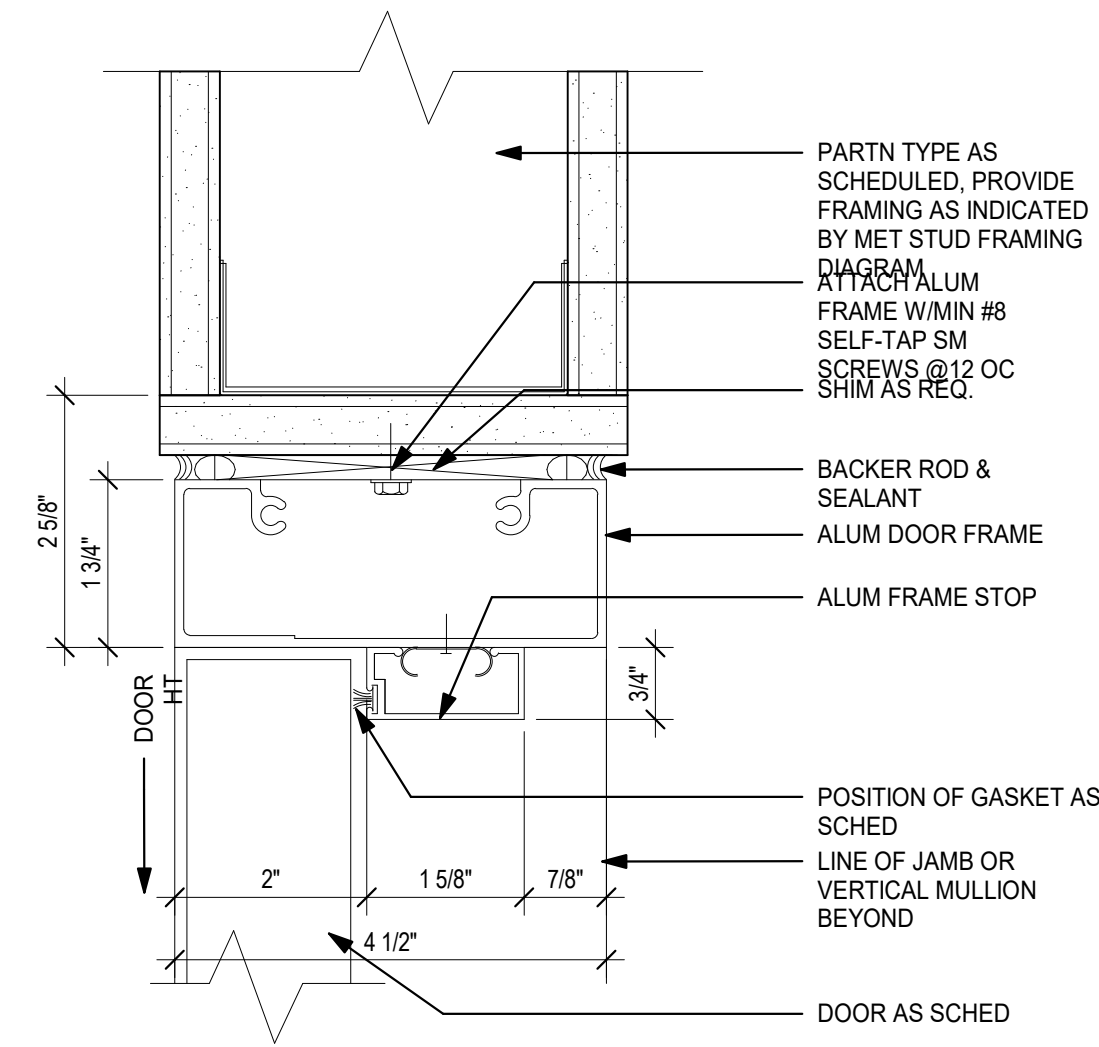
8 AL JAMB DETAIL  
6" = 1'-0"



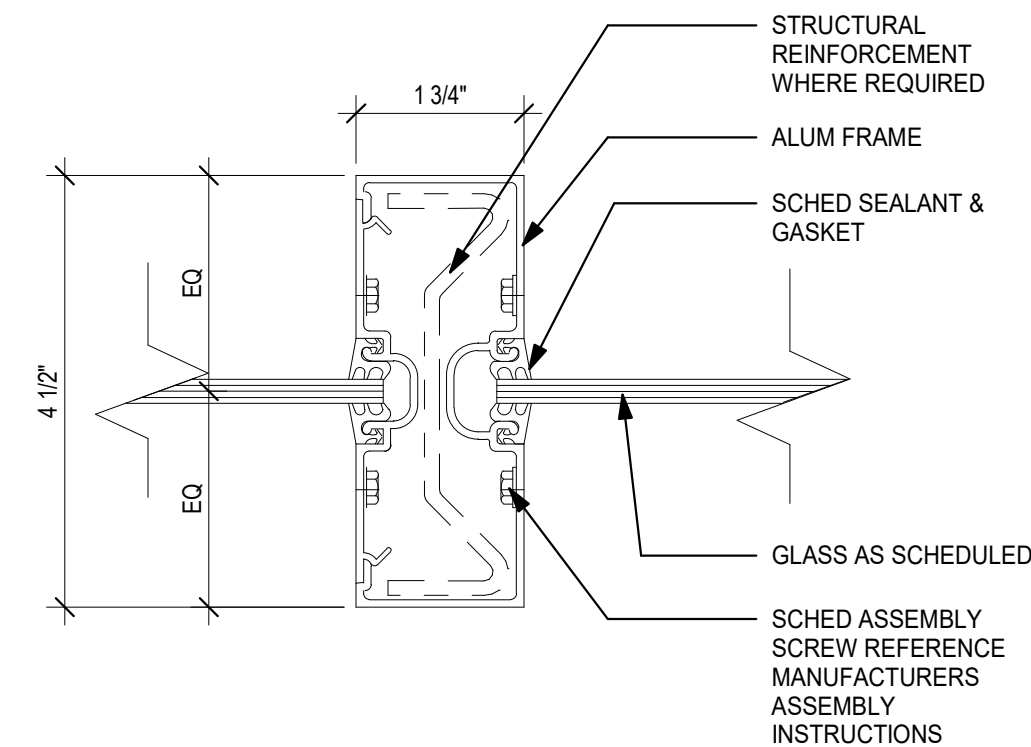
7 AL JAMB DETAIL @ DOOR  
6" = 1'-0"



6 AL HEAD DETAIL  
6" = 1'-0"



5 AL HEAD DETAIL @ DOOR  
6" = 1'-0"



9 MULLION DETAIL  
6" = 1'-0"

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2	2022-07-12	ISSUE FOR BID
1	2022-03-24	CONSTRUCTION DOCUMENTS

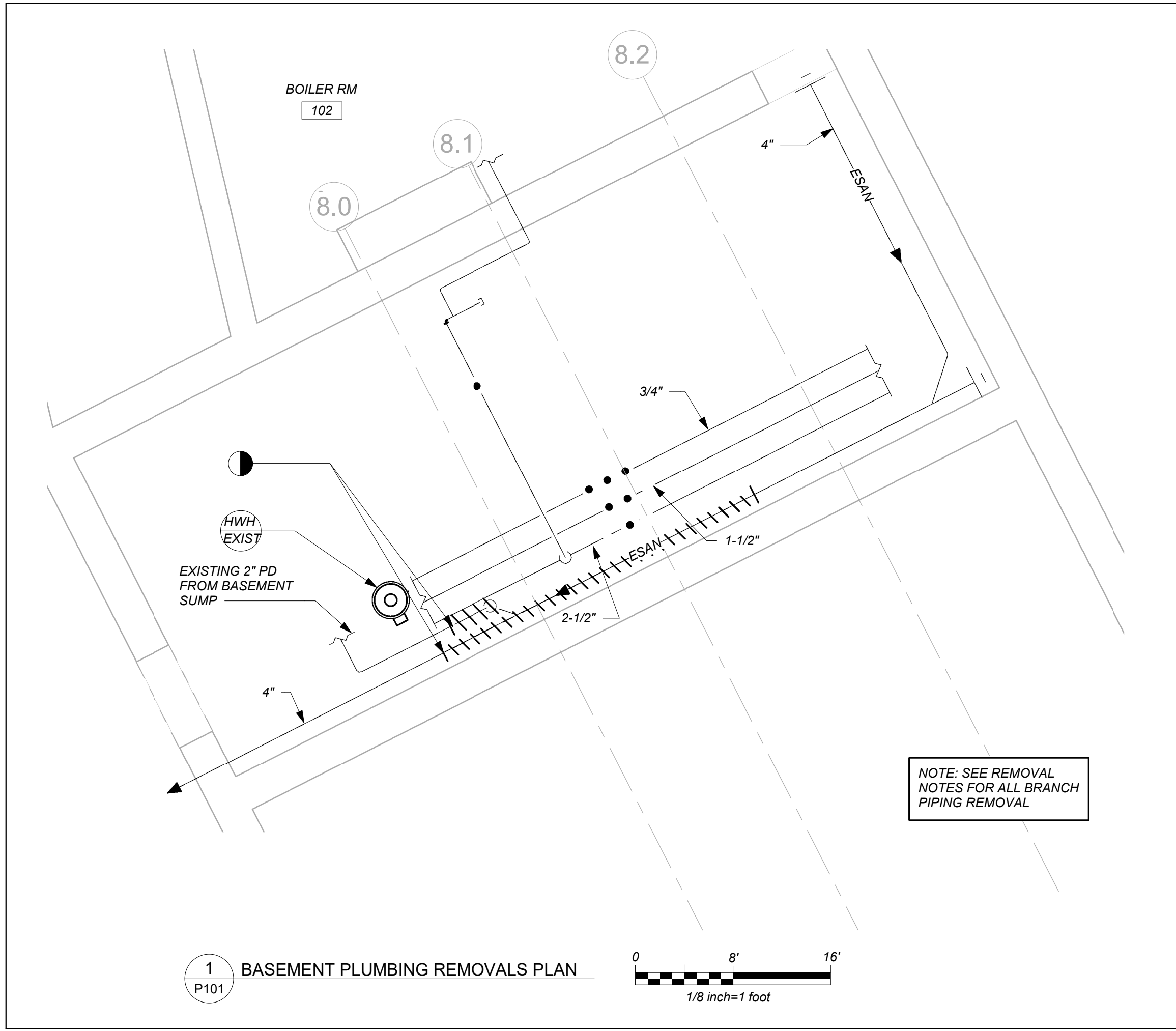
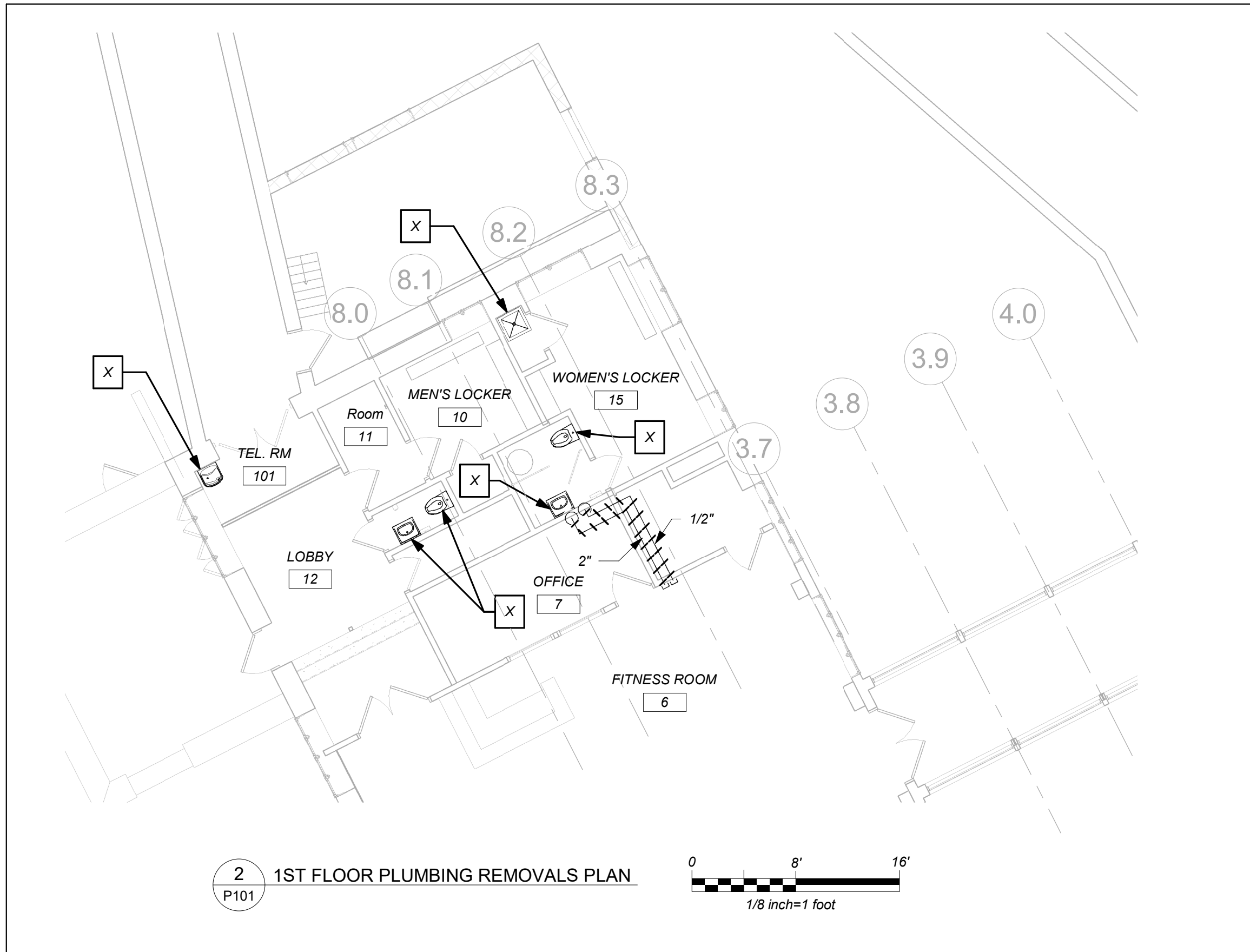
Sheet Title

## TYPICAL DOOR DETAILS

Job No.	2021-1048	Date	09/10/2021
Scale	AS NOTED	Drawn / Checked	Author Checker
Sheet Number			

A912

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL THE OTHER CONTRACTORS



LEGEND	
	NEW PIPING, FIXTURES, ETC.
	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RETURN PIPING
	PLUMBING VENT PIPING
	SANITARY PIPING
	EXISTING SANITARY PIPING
	EXISTING PUMP DISCHARGE PIPING
	FLOW DIRECTION WITHIN PIPE
	CLEANOUT
	SHUT-OFF VALVE
	COMBINATION BALANCING & SHUT-OFF VALVE
	PIPE CONNS. (BOTTOM; TOP 45 OR 90; PIPE UP)
	PLUMBING FIXTURE IDENTIFICATION
	PLUMBING CONTRACTOR
	GENERAL CONTRACTOR
	HVAC CONTRACTOR
	VENT THRU ROOF
	FRESH AIR INTAKE
	FLOOR DRAIN
	PRESSURE REDUCING VALVE
	HOT WATER HEATER IDENTIFICATION
	POINT OF CONNECTION
	PART PLAN, DETAIL, SECTION NUMBER
	SECTION IDENTIFICATION

PLUMBING FIXTURE SCHEDULE					
MARK	DESCRIPTION	BRANCH SIZE			
		W	V	H	C
A1	WALL MOUNTED WATER CLOSET (FLUSH VALVE) (HANDICAPPED)	4"	2"	-	1"
A1	FLOOR MOUNTED WATER CLOSET (FLUSH VALVE) (HANDICAPPED)	4"	2"	-	1"
B1	SINGLE WALL MOUNTED LAVATORY (HANDICAPPED)	1-1/2"	1-1/2"	1/2"	1/2"
B2	SINGLE COUNTER MOUNTED LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"
C	MOP RECEPTOR	3"	3"	3/4"	3/4"
X	EXISTING FIXTURE TO BE REMOVED	-	-	-	-

REMOVAL NOTES:	
1. THE SCOPE OF REMOVAL SHOWN IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED IN ORDER TO ACCOMMODATE NEW WORK.	
2. REMOVE ALL PLUMBING EQUIPMENT, SPECIALTIES, DRAINS, CONTROLS, HANGERS, BASES, SUPPORTS, PIPING, VALVES, TUBING AND PLUMBING ACCESSORIES THAT ARE NOT INCORPORATED IN THE NEW LAYOUT.	
3. WHERE REMOVAL IS INDICATED OR IMPLIED OR NOT INCORPORATED IN THE NEW LAYOUT, THE ITEM ITSELF IS TO BE REMOVED COMPLETELY TOGETHER WITH ALL CONNECTING PIPING, SPECIALTIES, SUPPORTS, CONTROLS, ETC. CONNECTING PIPING IS TO BE REMOVED BACK TO MAINS WHERE THE ARE TO BE CAPPED OR DISCONNECTED. THIS INCLUDES ALL GAS, SANITARY, VENT, WATER, AND PUMP DISCHARGE PIPING. REFER TO DIVISION 1 OF SPECIFICATION FOR CUTTING AND PATCHING REQUIREMENTS.	
4. WHERE EXISTING PIPING ENTERS INACCESSIBLE TRENCHES, TUNNELS, SHAFTS, WALLS AND CEILINGS INSIDE THE EXISTING BUILDING, IT SHALL BE CUT BACK AT LEAST 2" INTO SUCH INACCESSIBLE SPACES AND SHALL BE SUITABLY CAPPED AND SEALED BY THE CONTRACTOR.	
5. THE CONTRACTOR SHALL EXERCISE NORMAL CAUTION TO PREVENT UNNECESSARY CUTTING AND DAMAGE TO THE EXISTING BUILDING. ANY EXCESSIVE DAMAGE AS DETERMINED BY THE OWNER SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR CAUSING THE DAMAGE.	
6. ALL DEMOLISHED EQUIPMENT ETC. EXCEPT THOSE ITEMS SPECIFICALLY REQUESTED BY THE OWNER SHALL BECOME THE CONTRACTORS PROPERTY, SHALL BE REMOVED FROM THE PREMISES, AND DISPOSED OF LEGALLY.	

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PHONE: 914.328.6000 FAX: 914.328.9304 General@BGA-Eng.com

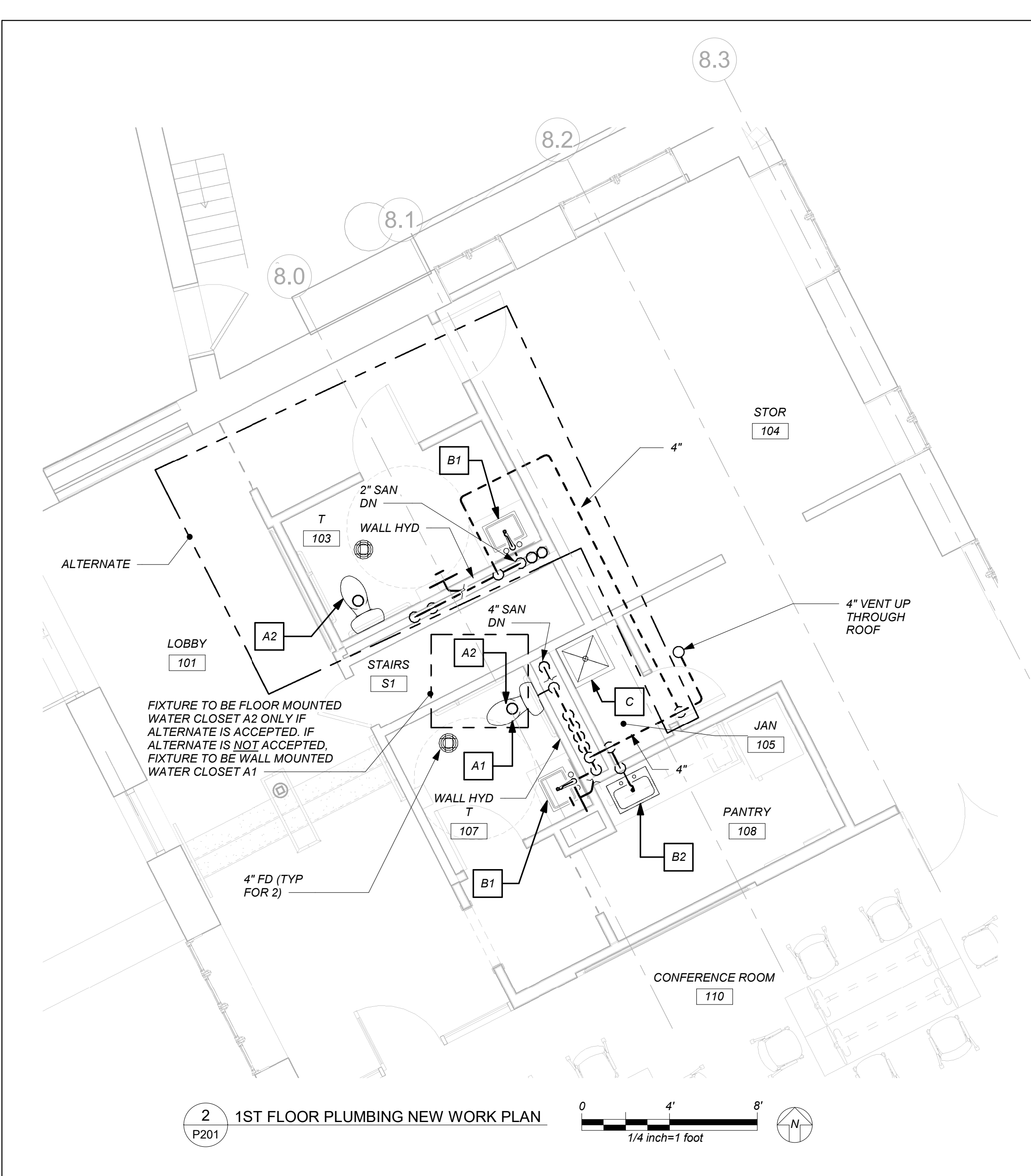
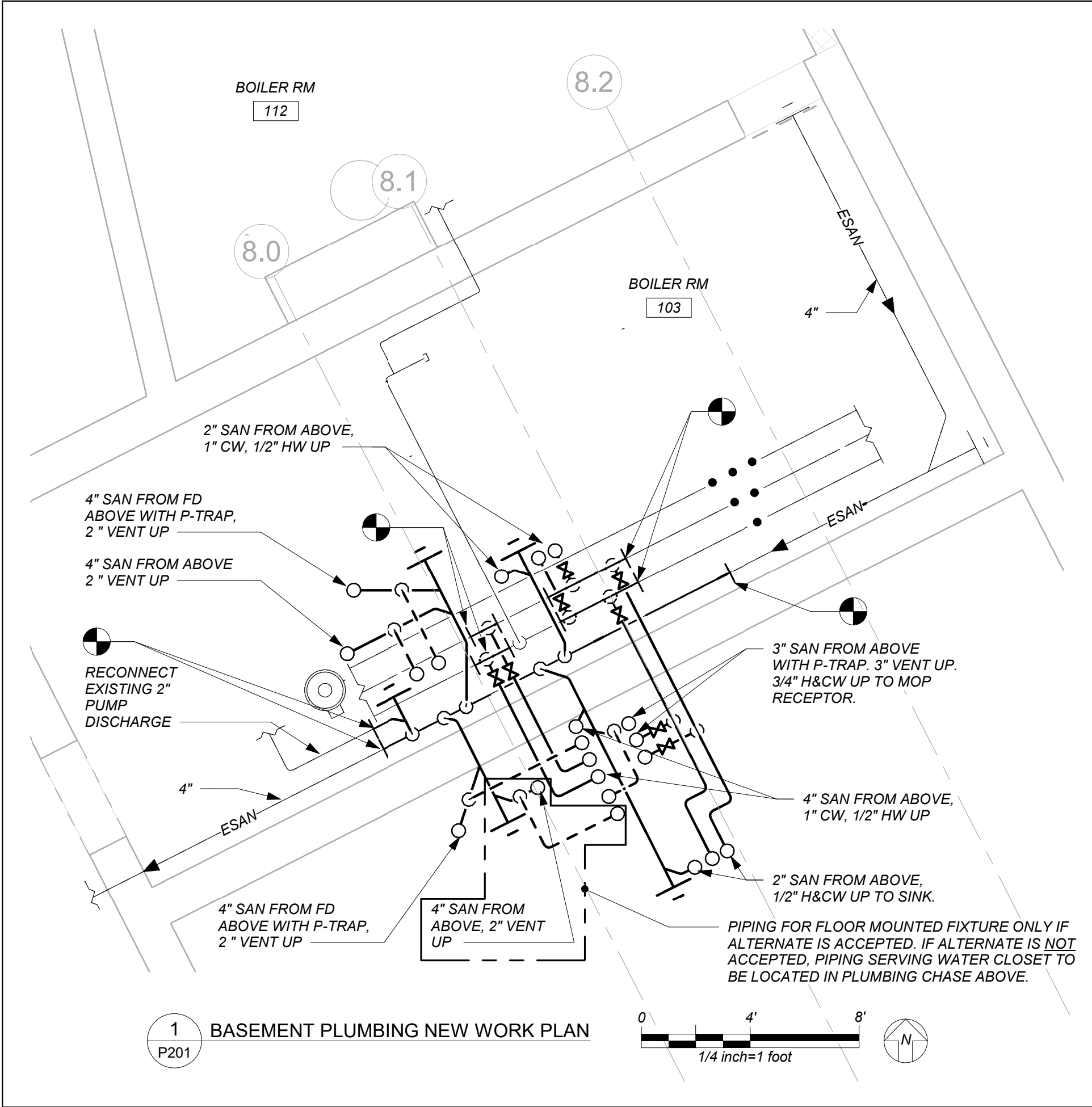
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## CONSTRUCTION DOCUMENTS



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3	2022-10-12	ISSUE FOR REBID	
2	2022-07-12	ISSUE FOR BID	
1	2022-03-24	CONSTRUCTION DOCUMENTS	
No.	Date	Issue	
Sheet Title			
LEGEND, SCHEDULE, NOTES, & PART BASEMENT & 1ST FLOOR PLANS (REMOVALS)			
Job No. 2021-1048		Date 09/10/2021	
Scale AS NOTED		Drawn / Checked BGA / BGA	
Sheet Number			
P101			



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JOB AND COORDINATE HIS WORK WITH THE  
WORK OF ALL THE OTHER CONTRACTORS

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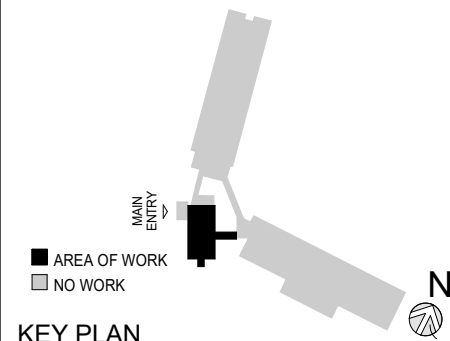
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CONSULTING ENGINEERS  
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NY SED PROJECT CONTROL NO.

66-23-00-01-0-008-011

## CONSTRUCTION DOCUMENTS



KEY PLAN

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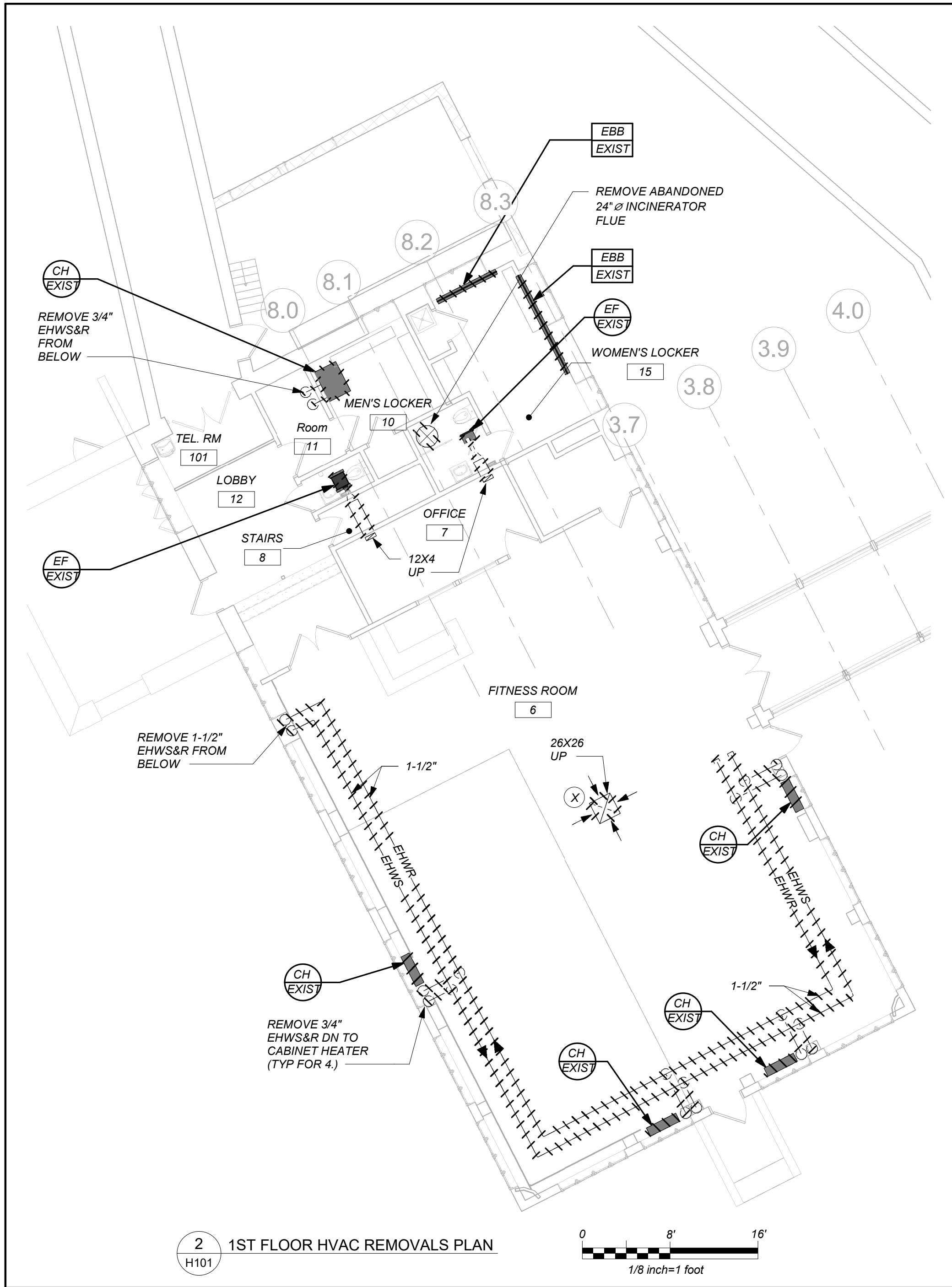
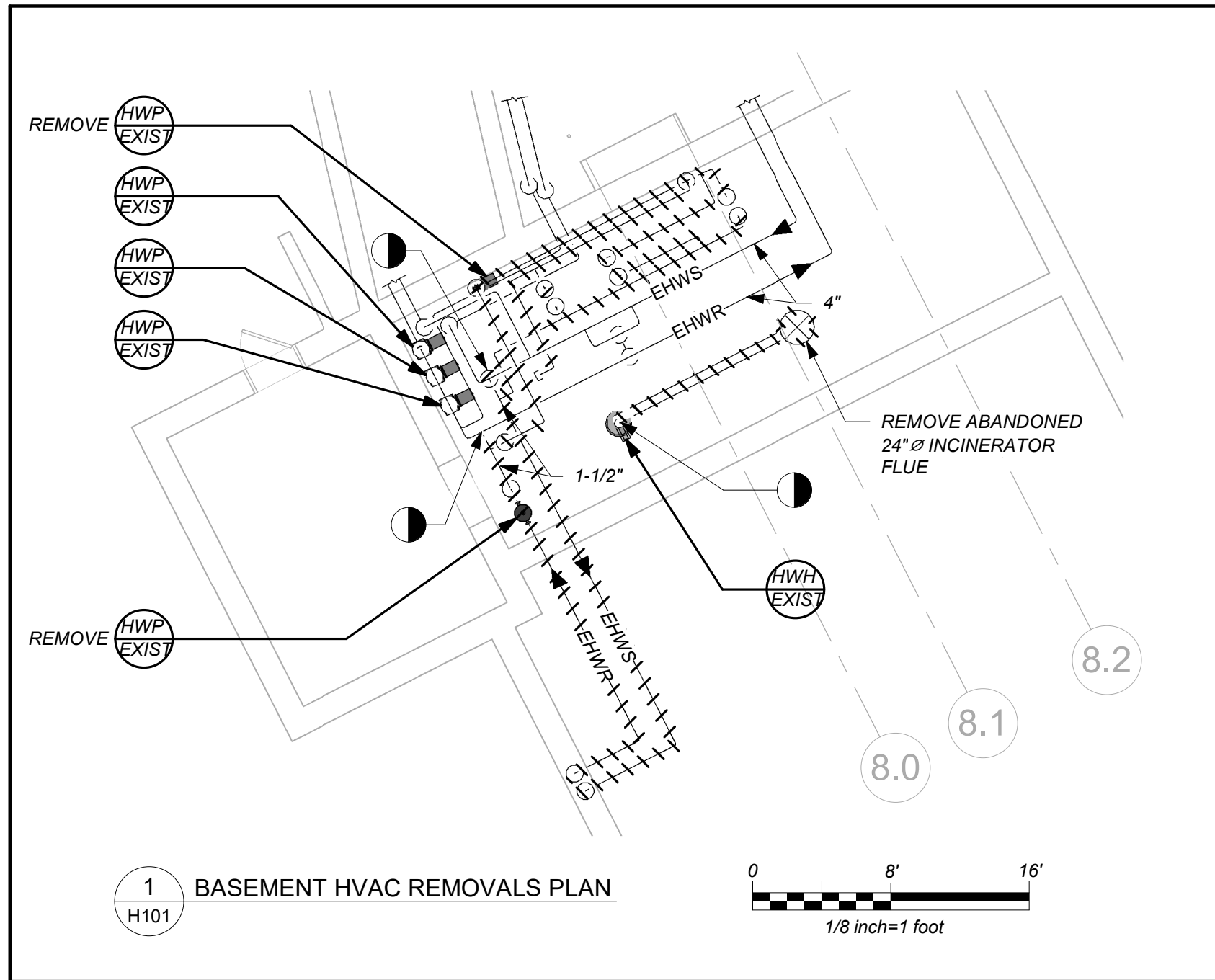
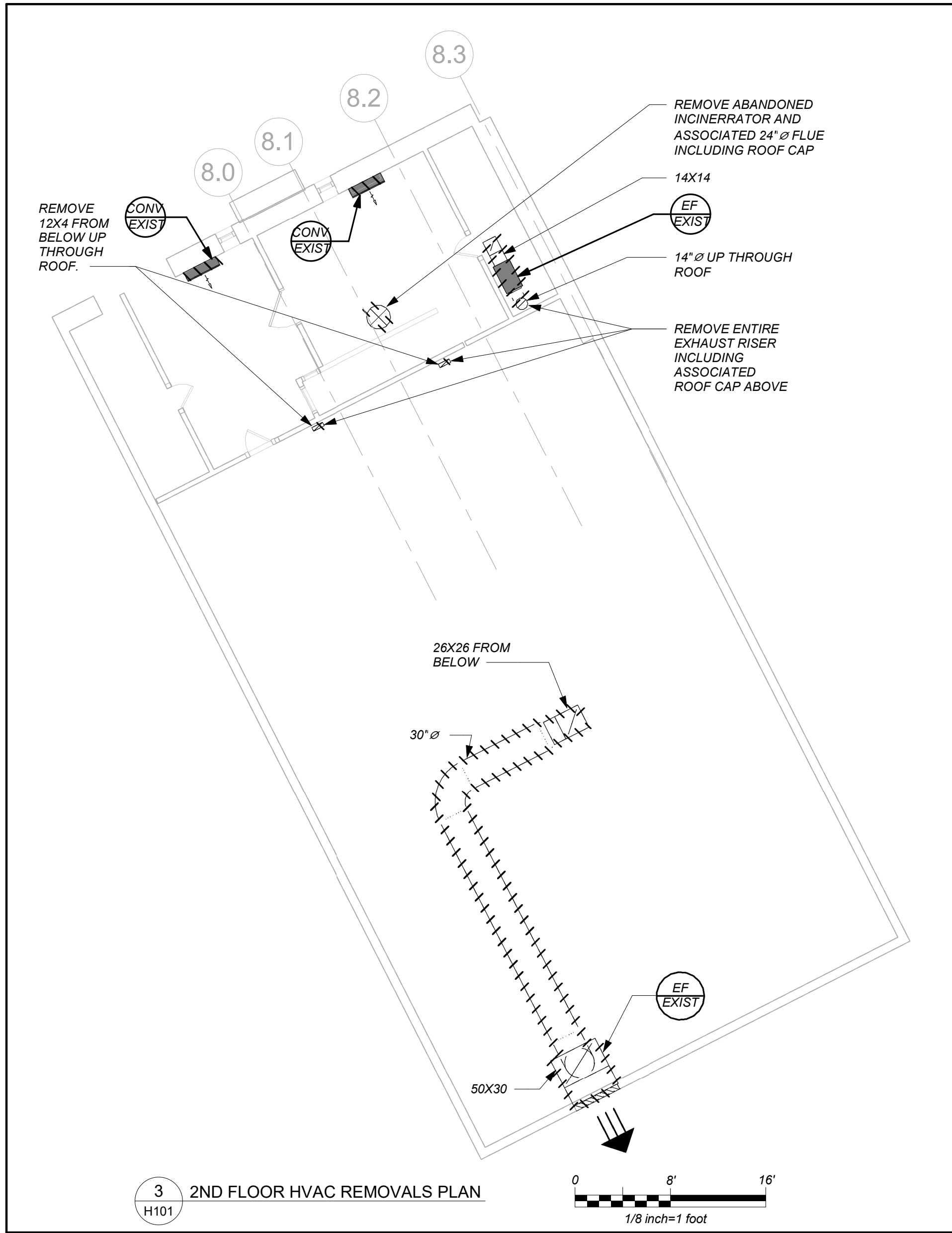
No.	Date	Issue
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## PART BASEMENT & 1ST FLOOR PLANS (NEW WORK)

Job No.	2021-1048	Date	09/10/2021
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number

P201



#### REMOVAL NOTES:

1. THE SCOPE OF REMOVAL SHOWN ON "REMOVALS" DRAWINGS IS DIAGRAMMATIC ONLY AND INDICATES THE INTENT OF THE WORK TO BE PERFORMED AND NOT THE COMPLETE SCOPE OF DEMOLITION AND/OR REMOVAL WORK. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO REMOVE ANY RELATED MECHANICAL DEVICES EVEN IF NOT SPECIFICALLY INDICATED TO BE REMOVED ON THESE DRAWINGS IN ORDER TO ACCOMMODATE NEW WORK.
2. DEVICES SHOWN CROSS HATCHED ON DRAWINGS ARE ITEMS TO BE REMOVED. ANY DEVICES REMOVED SHALL INCLUDE (BUT SHALL NOT BE LIMITED TO) THE REMOVAL OF ALL ASSOCIATED PIPING, CONTROLS, ETC. THAT ARE NOT INCORPORATED IN THE NEW LAYOUT. UNTIL SUCH REMOVAL IS COMPLETE, THIS CONTRACTOR SHALL PERFORM ALL WORK REQUIRED TO INSURE CONTINUITY OF SERVICE TO EXISTING REMAINING EQUIPMENT. NO EXTRAS RELATING TO THE SCOPE OF WORK DESCRIBED WILL BE ALLOWED.
3. EQUIPMENT, PIPING, ETC., REQUIRED TO RECONNECT SHALL BE INSTALLED CONCEALED WITHIN THE NEW SUSPENDED CEILINGS, PARTITIONS AND/OR WALLS, FLOORS. NO SURFACE MOUNTED OR EXPOSED EQUIPMENT, PIPING, ETC., SHALL BE PERMITTED, UNLESS SPECIFICALLY INDICATED.
4. ALL ITEMS TO BE REMOVED SHALL BE REVIEWED WITH THE OWNER PRIOR TO REMOVAL. OWNER SHALL HAVE FIRST SALVAGE RIGHTS. ITEMS THE OWNER WISHES TO KEEP SHALL BE REMOVED WITH CARE AND STORED AS DIRECTED BY OWNER. ITEMS THE OWNER DOES NOT WISH TO KEEP SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.

#### LEGEND

	EXISTING DUCTWORK, EQUIPMENT, ETC. TO REMAIN
	EXISTING DUCTWORK, EQUIPMENT, ETC. TO BE REMOVED
	NEW DUCTWORK POINT OF CHANGE IN DUCT SIZE
	NEW DUCTWORK FLEXIBLE CONNECTION
	SQUARE DUCT TURN WITH TURNING VANES
	NEW 4-WAY CEILING DIFFUSER TYPE - SEE SCHEDULE
	CEILING EXHAUST/RETURN REGISTER TYPE - SEE SCHEDULE
	REGISTER/DIFFUSER IDENTIFICATION TYPE - SEE SCHEDULE
	DUCT DROP, DUCT RISE
	DUCT MTD. MANUAL AIR VOLUME DAMPER (W/LOCKING DEVICE)
	MOTORIZED AIR VOLUME DAMPER (W/ACCESS DOOR)
	FD & AD FIRE DAMPER (U.L. APPROVED) & ACCESS DOOR
	FD & AD COMBINATION FIRE/SMOKE DAMPER (U.L. APPROVED) & ACCESS DOOR
	EHWR EXISTING HOT WATER SUPPLY PIPING
	EHWS EXISTING HOT WATER RETURN PIPING
	HWR HOT WATER SUPPLY PIPING
	HWS HOT WATER RETURN PIPING
	L LIQUID REFRIGERANT PIPING
	S SUCTION REFRIGERANT PIPING
	HG HOT GAS REFRIGERANT PIPING
	CD CONDENSATE DRAIN PIPING
	FLOW DIRECTION WITHIN PIPE
	GATE VALVE (HORIZONTAL/VERTICAL)
	COMBINATION BALANCING & SHUT-OFF VALVE (CIRCUIT SETTER)
	CLEAN OUT
	PIPE CONNS. (BOTTOM, TOP 45 OR 90; PIPE UP)
	EF EXIST EXISTING EXHAUST FAN IDENTIFICATION
	B EXIST EXISTING BOILER IDENTIFICATION
	HWH EXIST EXISTING HOT WATER HEATER IDENTIFICATION
	CH EXIST EXISTING HOT WATER CABINET HEATER IDENTIFICATION
	CONV EXIST EXISTING CONVECTOR IDENTIFICATION
	HWP EXIST EXISTING HOT WATER PUMP IDENTIFICATION
	ERV EXIST ENERGY RECOVERY VENTILATOR IDENTIFICATION
	HP EXIST AIR SOURCE HEAT PUMP UNIT IDENTIFICATION
	FC EXIST FAN COIL UNIT IDENTIFICATION
	FS EXIST VRF FLOW SELECTOR UNIT IDENTIFICATION
	CH EXIST HOT WATER CABINET HEATER IDENTIFICATION
	UH EXIST HOT WATER UNIT HEATER IDENTIFICATION
	EF EXIST EXHAUST FAN IDENTIFICATION
	HWP EXIST HOT WATER PUMP IDENTIFICATION
	TYPE NEW FIN TUBE RADIATION IDENTIFICATION ELEMENT LENGTH
	EBB EXIST EXISTING ELECTRIC BASEBOARD IDENTIFICATION
	Ts TO CONTROLLED ITEM WALL MTD.(5'-2"± A.F.F-U.O.N.) TEMPERATURE SENSOR
	CO2 TO CONTROLLED ITEM WALL MTD.(5'-2"± A.F.F-U.O.N.) CARBON DIOXIDE SENSOR
	-U- DOOR UNDERCUT
	SMRE POWDER COATED SHEET METAL RISER ENCLOSURE
	ATC AUTOMATIC TEMPERATURE CONTROLS
	CD CEILING DIFFUSER
	CR CEILING REGISTER
	TR TOP WALL REGISTER
	CFM CUBIC FEET PER MINUTE
	OA/FAI OUTSIDE (FRESH) AIR INTAKE
	MD MOTORIZED DAMPER
	HVAC HEATING, VENTILATING, AIR CONDITIONING CONTRACTOR
	GC GENERAL TRADES CONTRACTOR
	FC FLEXIBLE CONNECTION
	FSC FULL SIZE CONNECTION
	AD ACCESS DOOR
	WMG 1/2" SQ. WIRE MESH GRILLE
	FD FIRE DAMPER
	VIF VERIFY IN FIELD
	SECTION/DETAIL/ELEVATION/PART PLAN NUMBER
	DRAWING NUMBER
	SECTION/ELEVATION IDENTIFICATION

## PROFESSIONAL DEVELOPMENT CENTER

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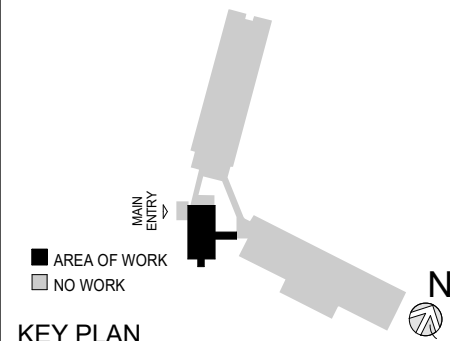


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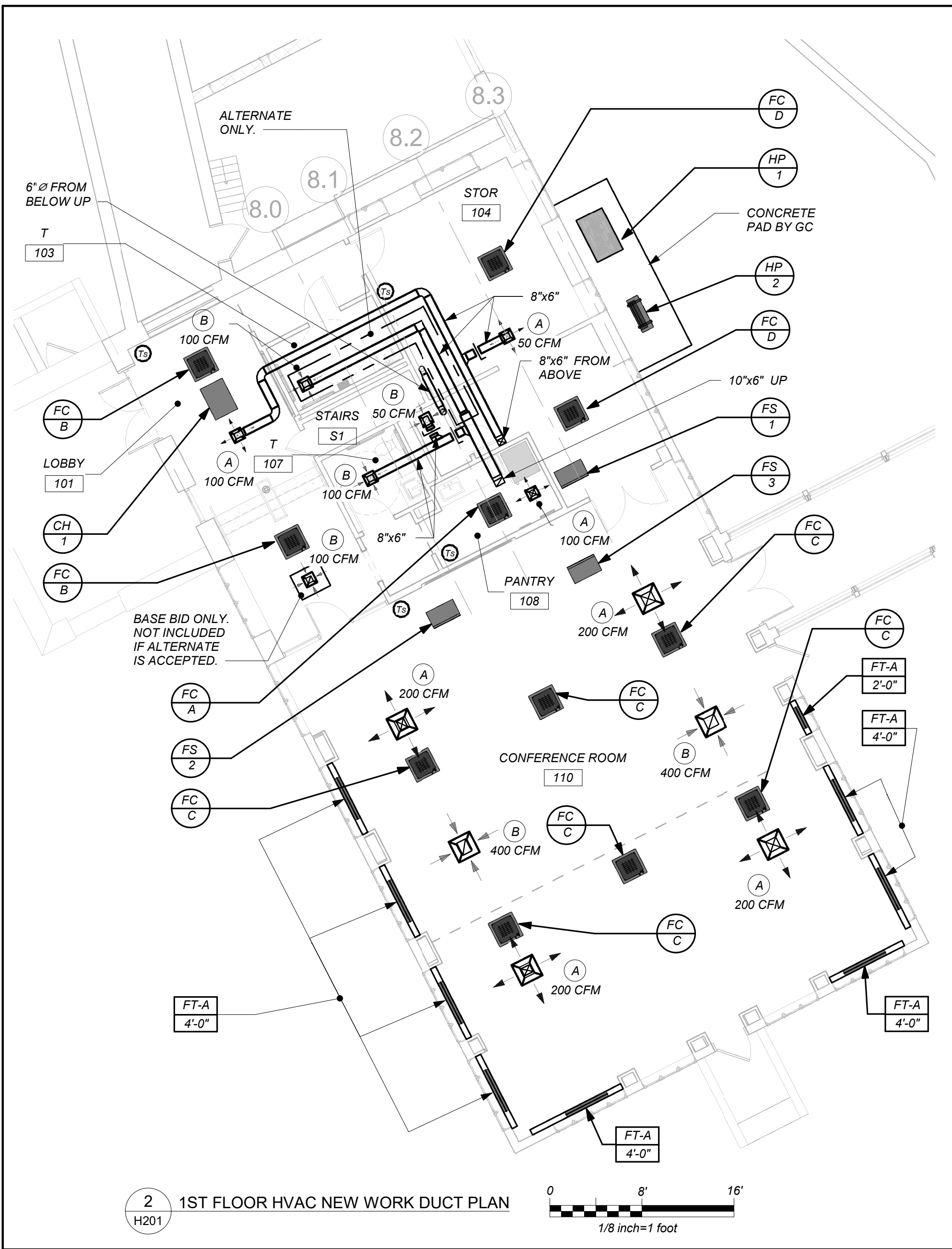
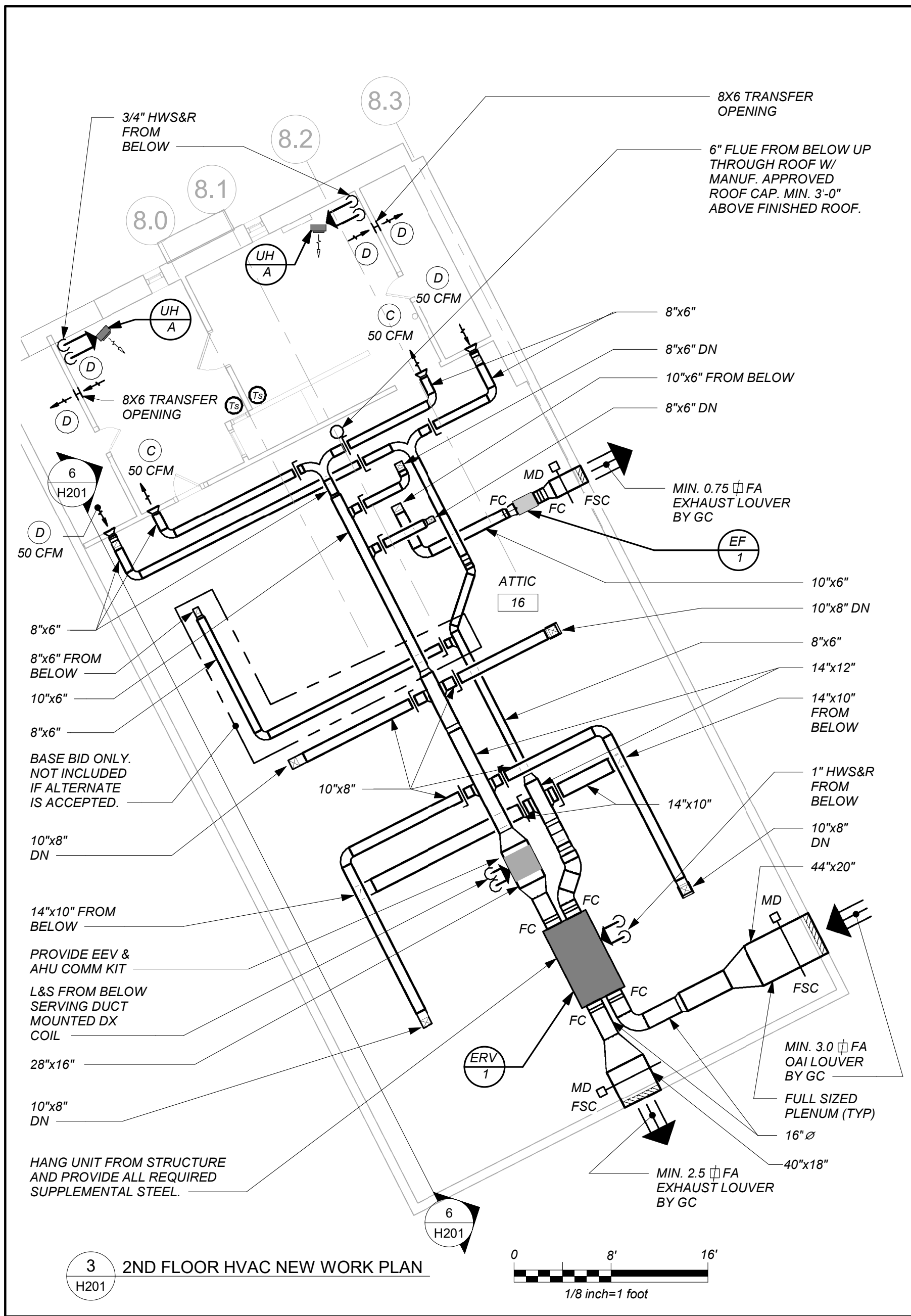
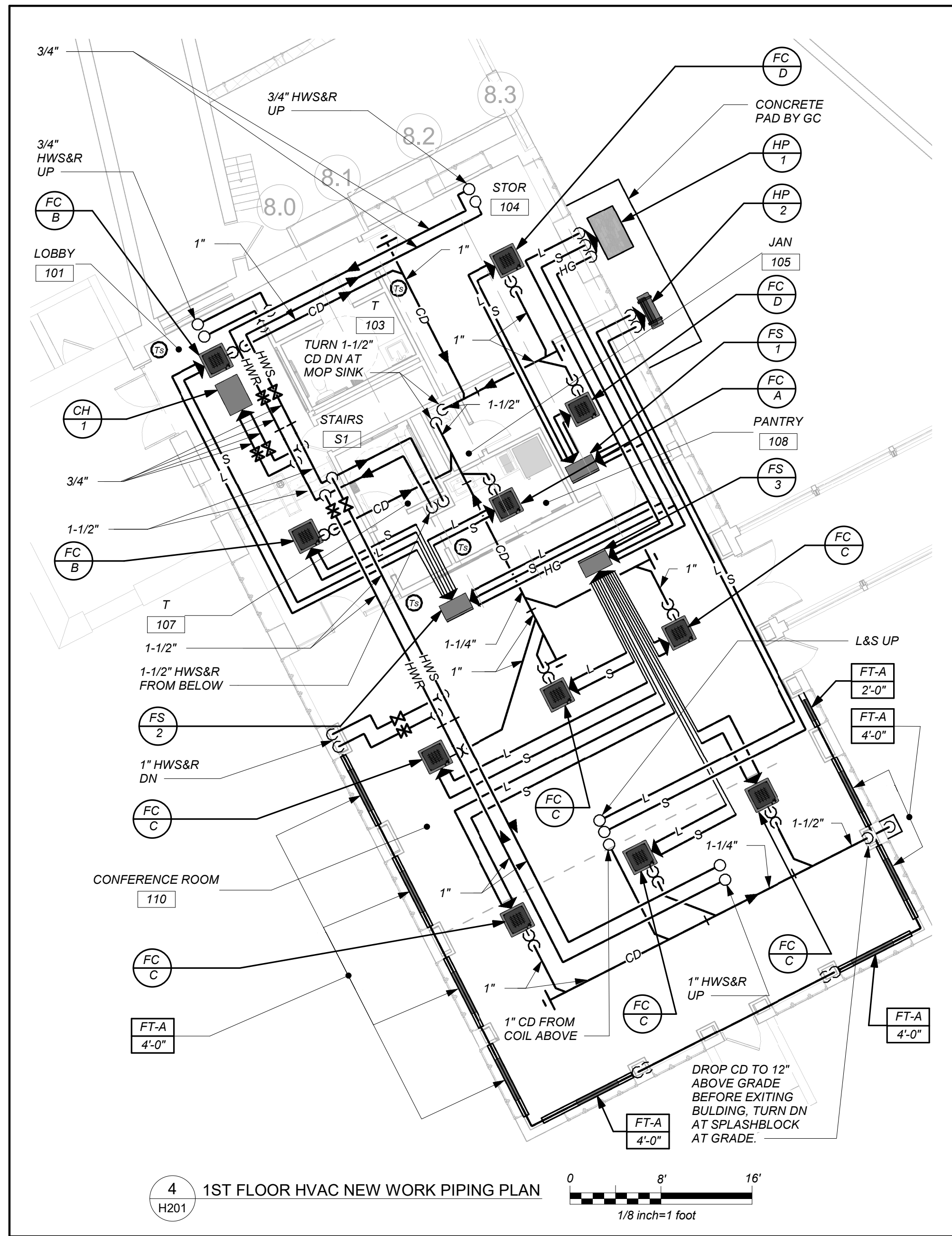
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## LEGEND, NOTES, & PART BASEMENT, 1ST, & 2ND FLOOR PLANS (REMOVALS)

Job No.	2021-1048	Date	09/10/2021
Scale	AS NOTED	Drawn / Checked	BGA / BGA

Sheet Number

# H101

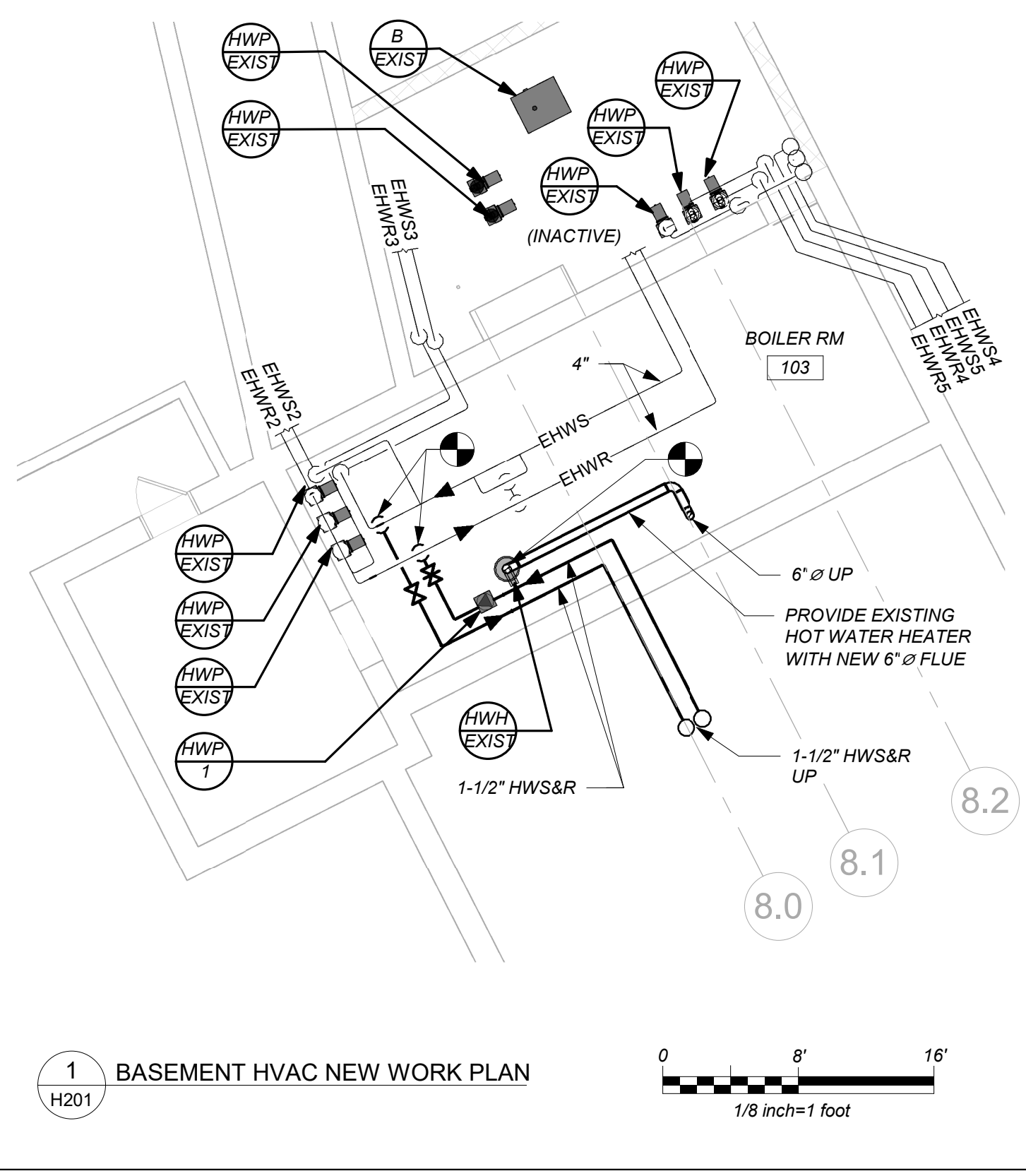
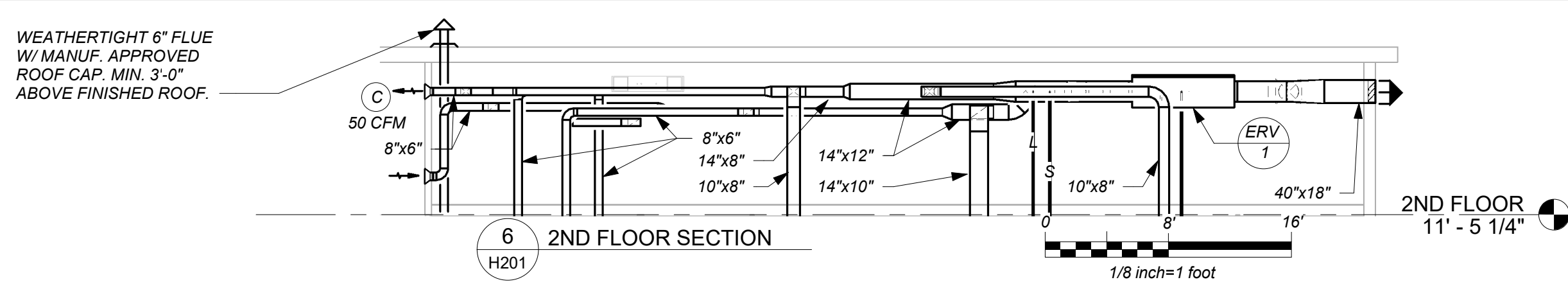
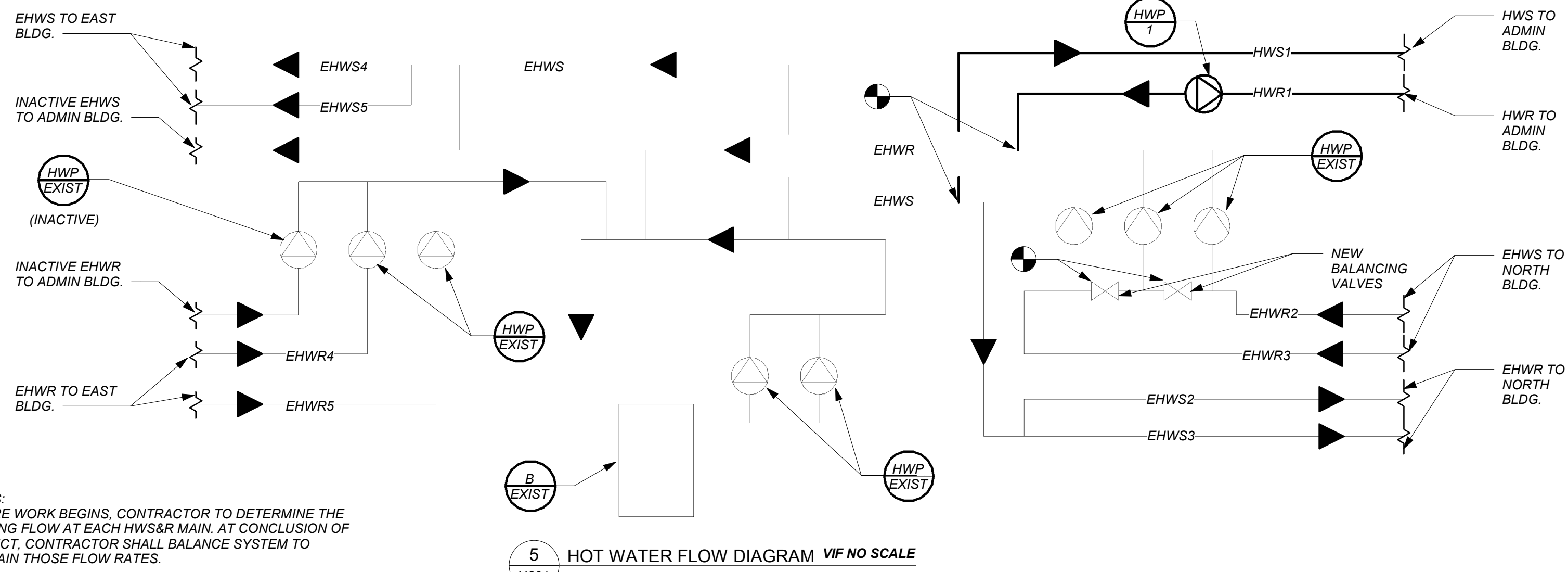


#### VRF SYSTEMS:

THE CONTRACTOR SHALL RETAIN THE SERVICES OF THE MANUFACTURER'S REPRESENTATIVE FOR PURPOSES OF PROVIDING REFRIGERANT PIPING SIZING. CONTRACTOR SHALL PROVIDE PIPING FROM RESPECTIVE OUTDOOR UNIT TO EACH NEW INDOOR UNIT, FOR COMPLETE AND OPERABLE SYSTEMS.

#### CONDENSATE PIPING:

PROVIDE CONDENSATE PIPING FOR ALL INDOOR FAN COIL EVAPORATOR UNITS AND AIR HANDLER CONDENSATE PANS.



BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL THE OTHER CONTRACTORS

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## PART BASEMENT, 1ST, & 2ND FLOOR PLANS (NEW WORK)

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**H201**

SCHEDULE OF ENERGY RECOVERY VENTILATORS

GENERAL DATA				SUPPLY FAN DATA		EXHAUST FAN DATA		ELECTRICAL DATA		HEAT EXCHANGER		HOT WATER COIL ④					DX COIL ⑤			FILTER DATA			PHYSICAL DATA				REMARKS		
MARK	SERVICE	LOCATION	MODEL No. ①	OUTSIDE AIR CFM	EXT. S.P. IN WG	CFM	EXT. S.P. IN WG	MCA	MOP	ELECTRICAL SERVICE	TYPE	EFFIC.	CAP. MBH	EAT (°F)	LAT (°F)	COIL FACE VELOCITY FPM	ROWS	GPM	TOTAL CLG. BTU/HR	ENT. AIR TEMP. CLG.	LVG. AIR TEMP. CLG.	QTY.	SIZE (IN.)	CLASS	L (in.)	W (in.)		H (in.)	WEIGHT (LBS)
FRV 1	PROFESSIONAL DEV. CENTER	ATTIC 16	FR1600HW-208-3-CAV	1,100	1.25	950(850)	1.25	6.1	15	208/3/60	WHEEL	75	72.6	35	95	475	1	7	24,000	95	75	2	17X13X17	OA MERV 13 RET. MERV 9	86	44		26	575

NOTES

①

AS MANUFACTURED BY "TOPVEX."

②

INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

③

VALUES SHOWN IN PARENTHESIS () ARE FOR ALTERNATE ONLY.

④

INTEGRAL HOT WATER COIL. PROVIDE FREEZE STAT.  
E.W.T.=180° F. L.W.T.=160° F.

⑤

BASED ON A.R.I. CERTIFIED COIL SELECTIONS; REFRIGERANT R-410A.

⑥

HUNG UNIT WITH INTEGRAL HIGH CAPACITY HOT WATER COIL AND DUCT MOUNTED DX COIL. PROVIDE VIBRATION ISOLATORS EXHAUST/DEFROST CONTROLS, LOW TEMPERATURE LIMIT CONTROLS, DIFFERENTIAL ENTHALPY ECONOMIZER CONTROLS, MOTORIZED OA AND EA DAMPERS, DIRTY FILTER CONTACTS, PHASE PROTECTION, DISCONNECT SWITCH, AND CONVENIENCE OUTLET. TIE INTO BMS.

⑦

INDICATED EQUIPMENT DESIGNATIONS ARE FOR USE IN CONSTRUCTION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER ON DESIRED FINAL TAG IDENTIFICATION/NUMBERING/LETTERING. OWNER APPROVED DESIGNATIONS SHALL BE USED IN BMS PROGRAMMING AND ON PERMANENT EQUIPMENT IDENTIFICATION TAGS. AS-BUILT DRAWINGS SHALL BE UPDATED WITH FINAL IDENTIFICATION TAG DESIGNATIONS.

3-WAY CONTROL VLV.

AIR VENT

HWR

COIL

COMB. BAL. & SHUT-OFF VLV.

HWS

GATE VLV.

UNION (TYP.)

DRAIN VALVE

TYPICAL HOT WATER HEATING COIL PIPING CONNS.

SCHEDULE OF MINIMUM VENTILATION ROOM FLOW RATES

		A	B	C	D	E	F	G	H	I	
ROOM NAME/NUMBER	OCCUPANCY CATEGORY	ROOM AREA (SQ.FT.)	PEOPLE DENSITY (#/1000 SQ.FT.)	PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	AREA OUTDOOR AIR FLOW RATE IN BREATHING ZONE (CFM/SQ.FT.)	EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	NUMBER OF PEOPLE (A×B)÷1000=HP	OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (F×C)÷(A×D)=CFM	ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	MINIMUM ROOM VENTILATION AIR FLOW RATE G+H=CFM	MINIMUM EXHAUST AIR FLOW RATE A×E=CFM
Lobby/101	MAIN ENTRY LOBBIES	300	10	5	0.06	0	3	33	0.8	41	0
Stor/105	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	310	2	5	0.06	0	1	24	0.8	30	0
Pantry/109	KITCHENETTES	100	20	7.5	0.12	0.3	2	27	0.8	34	30
Conf/110	CONFERENCE/MEETING	1785	50	5	0.06	0	90	557	0.8	696	0
Second Floor Storage	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	300	2	5	0.06	0	1	23	0.8	29	0
Second Floor Storage	OCCUPIABLE STORAGE ROOMS FOR DRY MATERIALS	300	2	5	0.06	0	1	23	0.8	29	0

SCHEDULE OF REGISTERS AND DIFFUSERS

MARK	TYPE	SERVICE	MODEL No. ①	NOMINAL FACE SIZE	DIRECTION DISCHARGE	DAMPER TYPE	FINISH	REMARKS																																							
Ⓐ	CEILING DIFFUSER	SUPPLY	SCD	12X12/24X24	FOUR-WAY	OPPOSED BLADE	PER ARCH.	REFER TO ②③④⑤																																							
Ⓑ	CEILING REGISTER	RETURN/EXHAUST	635	8X4/24X24	—	OPPOSED BLADE	PER ARCH.	REFER TO ②③④⑥																																							
Ⓒ	SIDE WALL REGISTER	SUPPLY	620	8X4	DOUBLE DEFLECTION	OPPOSED BLADE	PER ARCH.	REFER TO ②③④⑤																																							
Ⓓ	SIDE WALL REGISTER	RETURN/EXHAUST	635	8X4	—	OPPOSED BLADE	PER ARCH.	REFER TO ②③④⑥																																							
NOTES	① AS MANUFACTURED BY "PRICE".																																														
	② INSTALL PER MANUFACTURERS RECOMMENDATIONS.																																														
	③ PROVIDE CABLE OPERATED DAMPERS IN UN-ACCESSIBLE AREAS.																																														
	④ PROVIDE MOUNTING FRAME COMPATIBLE W/ MOUNTING SURFACE. COORDINATE ALL BORDER TYPES, COLORS, FINISHES AND DIMENSIONS WITH ARCHITECT.																																														
	<table><tr><th colspan="6">⑤ SUPPLY NECK SIZE PER CFM RANGE (NOT TO EXCEED 700 fpm)</th><th colspan="6">⑥ RETURN NECK SIZE PER CFM RANGE (NOT TO EXCEED 675 fpm)</th></tr><tr><td>50 TO 135</td><td>100 TO 245</td><td>246 TO 380</td><td>381 TO 550</td><td>551 TO 750</td><td>751 TO 860</td><td>50 TO 149</td><td>150 TO 249</td><td>250 TO 399</td><td>400 TO 599</td><td>600 TO 799</td><td>800 TO 1099</td><td>1100 TO 1199</td><td>1200 TO 2399</td></tr><tr><td>6"ø</td><td>8"ø</td><td>10"ø</td><td>12"ø</td><td>14"ø</td><td>15"ø</td><td>6x6</td><td>8x8</td><td>10x10</td><td>12x12</td><td>14x14</td><td>16x16</td><td>18x18</td><td>24x24</td></tr></table>								⑤ SUPPLY NECK SIZE PER CFM RANGE (NOT TO EXCEED 700 fpm)						⑥ RETURN NECK SIZE PER CFM RANGE (NOT TO EXCEED 675 fpm)						50 TO 135	100 TO 245	246 TO 380	381 TO 550	551 TO 750	751 TO 860	50 TO 149	150 TO 249	250 TO 399	400 TO 599	600 TO 799	800 TO 1099	1100 TO 1199	1200 TO 2399	6"ø	8"ø	10"ø	12"ø	14"ø	15"ø	6x6	8x8	10x10	12x12	14x14	16x16	18x18
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6"ø	8"ø	10"ø	12"ø	14"ø	15"ø	6x6	8x8	10x10	12x12	14x14	16x16	18x18	24x24																																		

SCHEDULE OF EXHAUST FANS

MARK	SERVICE	LOCATION	TYPE	MODEL No. ①	CFM	EXT. S.P. IN H <sub>2</sub> O	RPM	HP	ELECTRIC SERVICE	LxWxH (IN.)	WEIGHT (LBS.)	REMARKS
⑦①	TOILET ROOMS	ATTIC 16	IN-LINE	SQ-97-VG	150(250)	1.0	1819 (2075)	1/2	120/1/60	21x15x15	52	REFER TO ②③④
<div><div>NOTES</div><div><p>① AS MANUFACTURED BY "GREENHECK."</p><p>② INSTALL PER MANUFACTURER'S RECOMMENDATIONS.</p><p>③ VALUES SHOWN IN PARENTHESIS () ARE FOR ALTERNATE ONLY.</p><p>④ PROVIDE DISCONNECT SWITCH, BACKDRAFT DAMPER, VIBRATION ISOLATORS, SPEED CONTROL, AND NAMEPLATE IDENTIFYING FAN MARK, MODEL NO., CFM, RPM, HP, AND ELECTRICAL SERVICE.</p></div></div>												

SCHEDULE OF UNIT HEATERS

MARK	MODEL No. ①	CAPACITY DATA				MOTOR WATTS	ELECTRIC SERVICE	PHYSICAL DATA		REMARKS
		BTU/HR	EW T °F	LWT °F	GPM			LxWxH	WEIGHT (LBS)	
⑦①A	HS-36	20,100	180	160	3	25	120/1/60	15"x10"x18"	40	REFER TO ②③
<div><div>NOTES</div><div><p>① AS MANUFACTURED BY "STERLING".</p><p>② INSTALL PER MANUFACTURER'S RECOMMENDATIONS</p><p>③ PROVIDE UNIT MOUNTED MANUAL VARIABLE SPEED CONTROLLER, REMOTE WALL SENSOR, DISCONNECT SWITCH, AND MOUNTING HARDWARE.</p></div></div>										

SCHEDULE OF PUMPS

MARK	SERVICE	LOCATION	MODEL No. ①	GPM	HEAD FT. H <sub>2</sub> O	RPM	MOTOR HP	ELECTRIC SERVICE	REMARKS
⑦①A	CONFERENCE BLDG	BOILER ROOM	SERIES E-90 1AAB	17	25	1800	1/2	208/1/60	REFER TO ②③④
<div><div>NOTES</div><div><p>① AS MANUFACTURED BY "BELL &amp; GOSSETT".</p><p>② INSTALL PUMPS PER MANUFACTURER'S RECOMMENDATIONS.</p><p>③ PROVIDE ECM PERMANENT MAGNET VARIABLE SPEED MOTOR WITH MOUNTED USER INTERFACE, DISCONNECT SWITCH, AND STEAL BRAIDED FLEXIBLE CONNECTIONS</p><p>④ PUMP DIMENSIONS 8" W x 12" L x 16" H / WEIGHT 55 LBS</p></div></div>									

SCHEDULE OF AIR SOURCE HEAT PUMP UNITS

MARK	LOCATION	MODEL N <sup>o</sup> ①	COOLING CAPACITY (MBH)		HEATING CAPACITY (MBH)	EER	COMPRESS. DATA		ELECTRICAL DATA		PHYSICAL DATA DIMENSION/WEIGHT (L X W X H) / (LBS)	REMARKS
			TYPE	QTY			MCA	MOP	ELECTRICAL SERVICE			
⑦①A	ON GRADE	ARUM168BTE5	168	189	11.7	DC SCROLL	2	54	70	208/3/60	49X30X67/666	REFER TO ②③④⑤⑦
⑦①B	ON GRADE	ARUN024GSS4	24	27	12.2	DC INVERTER	1	20	30	208/1/60	38X16X33/176	REFER TO ②③④⑤⑦

NOTES

① AS MANUFACTURED BY "LG."

② INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

③ REFRIGERANT USED SHALL BE R-410a.

④ DESIGN AIR CONDITIONS: SUMMER: OA (95°F); WINTER: OA (47°F/43°F)

⑤ MOUNT ON PRECAST CONCRETE PAD BY GC. THREE PIPE SYSTEM. PROVIDE STAND, NEOPRENE VIBRATION ISOLATION PADS, EQUIPMENT SUPPORTS, DISCONNECT SWITCH, CONVENIENCE OUTLET, LOW AMBIENT CONTROLS AND PHASE PROTECTION. COMPRESSOR SPEED CONTROL BASED ON SYSTEM LOAD.

⑥ MOUNT ON PRECAST CONCRETE PAD BY GC. TWO PIPE SYSTEM. PROVIDE STAND, NEOPRENE VIBRATION ISOLATION PADS, EQUIPMENT SUPPORTS, CONVENIENCE OUTLET, LOW AMBIENT CONTROLS, EEV AND AHU COMMUNICATION KIT, AND DISCONNECT SWITCH. COMPRESSOR SPEED CONTROL BASED ON SYSTEM LOAD.

⑦ INDICATED EQUIPMENT DESIGNATIONS ARE FOR USE IN CONSTRUCTION ONLY. CONTRACTOR SHALL COORDINATE WITH OWNER ON DESIRED FINAL TAG IDENTIFICATION/NUMBERING/LETTERING. OWNER APPROVED DESIGNATIONS SHALL BE USED IN BMS PROGRAMMING AND ON PERMANENT EQUIPMENT IDENTIFICATION TAGS. AS-BUILT DRAWINGS SHALL BE UPDATED WITH FINAL IDENTIFICATION TAG DESIGNATIONS.

SCHEDULE OF VRF INDOOR UNITS

MARK	MODEL No. ①	SUPPLY FAN DATA			TOTAL COOL/HEAT MBH	DIMENSION/WEIGHT				REMARKS	
		CFM HIGH	MCA	MOCP		ELECTRIC SERVICE	W (IN.)	D (IN.)	H (IN.)		LBS
FC A	ARNU053TRD4	265	0.25	15	208/1/60	5.5/6.1	25	25	10	45	REFER TO ②③④⑤
FC B	ARNU093TRD4	388				9.6/10.9	25	25	10	49	
FC C	ARNU153TQD4	396				15.4/17.1	25	25	12	51	
FC D	ARNU183TQD4	812				19.1/21.5	25	25	12	51	
FS 1	PRHR023A	N/A	0.17			N/A	20	19	9	46	REFER TO ②③⑥
FS 2	PRHR033A		0.17				20	19	9	50	
FS 3	PRHR063A		0.27				32	19	9	75	

NOTES

① AS MANUFACTURED BY "LG."

② INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

③ BASED ON A.R.I. CERTIFIED COIL SELECTIONS; REFRIGERANT R-410A.

④ PROVIDE FACTORY MOUNTED INTEGRAL CONDENSATE PUMP, CHECK VALVE, ANTI SWEAT SLEEVE, BALL VALVES, AND AUTO SHUTDOWN OVERFLOW SWITCH.

⑤ PROVIDE MOUNTING HARDWARE, VIBRATION ISOLATORS, DISCONNECT AND HARDWIRED REMOTE WALL MOUNTED CONTROLLER/THERMOSTAT. WHERE MULTIPLE UNITS TIE INTO ONE ZONE CONTROLLER PROVIDE WIRED REMOTE GROUP CONTROL CABLE ASSEMBLY PZCWR-C1 AS REQUIRED. TIE INTO BMS.

⑥ PROVIDE MOUNTING HARDWARE. MOUNT HORIZONTALLY.

SCHEDULE OF CABINET HEATERS

MARK	TYPE UNIT	MODEL No. ①	CAPACITY DATA				MOTOR HP	MOTOR RPM	ELECTRIC SERVICE	REMARKS
			MBH	CFM	GPM	PD.FT.				
⑦①A	CEILING MTD.	RC 1170 03	20.6	335	2.0	0.25	1/15	1050	120/1/60	REFER TO ②③④⑤⑥
<div><div>NOTES</div><div><p>① AS MANUFACTURED BY "STERLING".</p><p>② INSTALL PER MANUFACTURER'S RECOMMENDATIONS.</p><p>③ CAPACITIES BASED ON LOW SPEED FAN SETTING, AND 160° F A.W.T.</p><p>④ PROVIDE 2 ROW COIL, THROWAWAY FILTERS, INTEGRAL SPEED CONTROL, DISCONNECT SWITCH, REMOTE WALL SENSOR, GASKET AND PERMA LAP FRAME. COORDINATE FINISH AND COLOR WITH ARCHITECT.</p><p>⑤ UNIT DIMENSIONS 36"x25"x9.5", WEIGHT 150 LBS.</p><p>⑥ PROVIDE WITH HOT WATER RETURN AQUASTAT. AQUASTAT SHALL NOT ALLOW FAN TO OPERATE AT WATER TEMPERATURE BELOW 110 DEGREES F.</p></div></div>										

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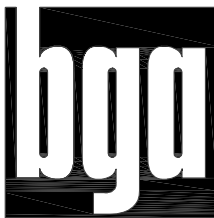
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AREA OF WORK

NO WORK

KEY PLAN

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No.	Date	Issue
3	2022-10-12	ISSUE FOR REBID
2	2022-07-12	ISSUE FOR BID
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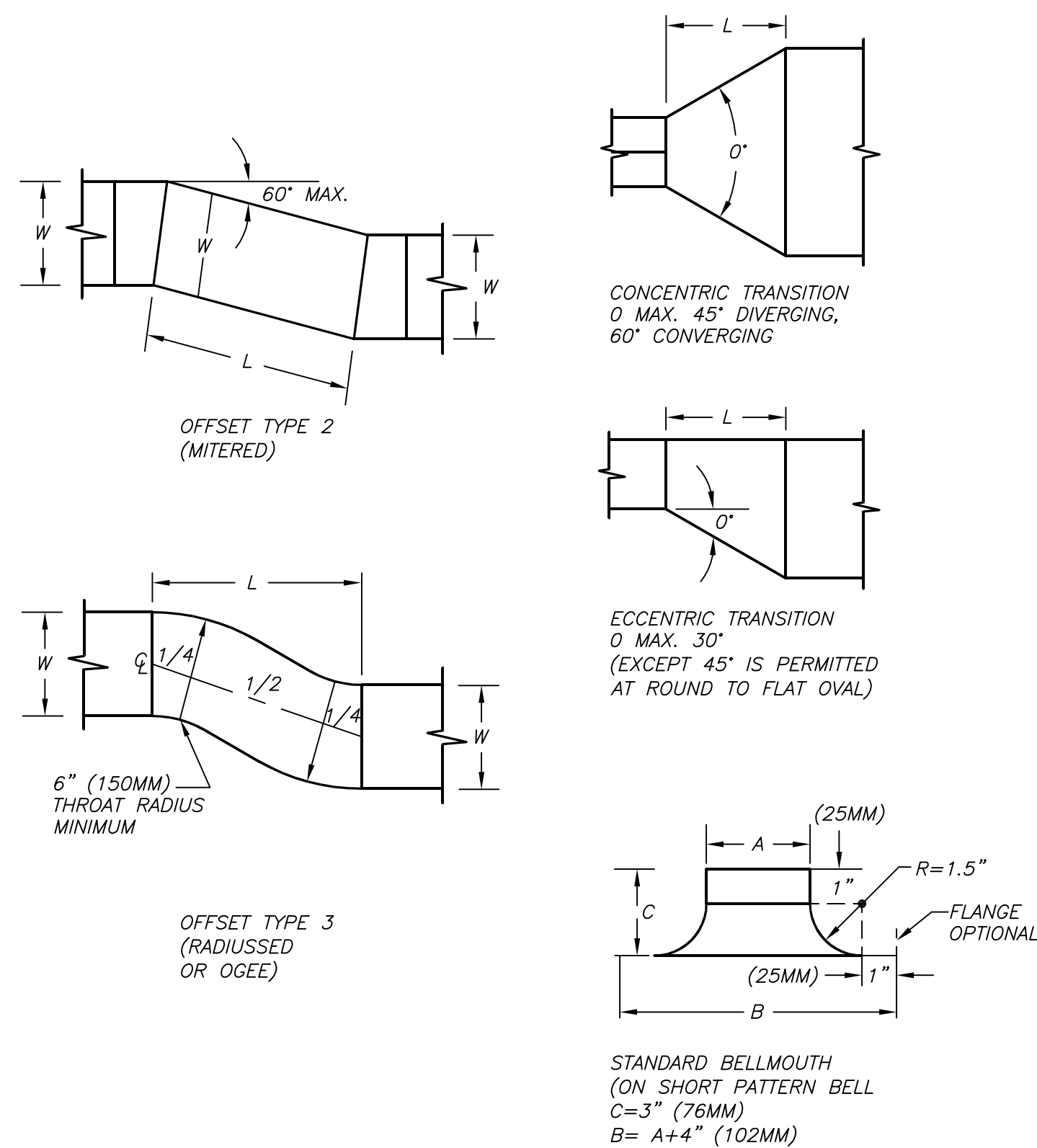
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SCHEDULES

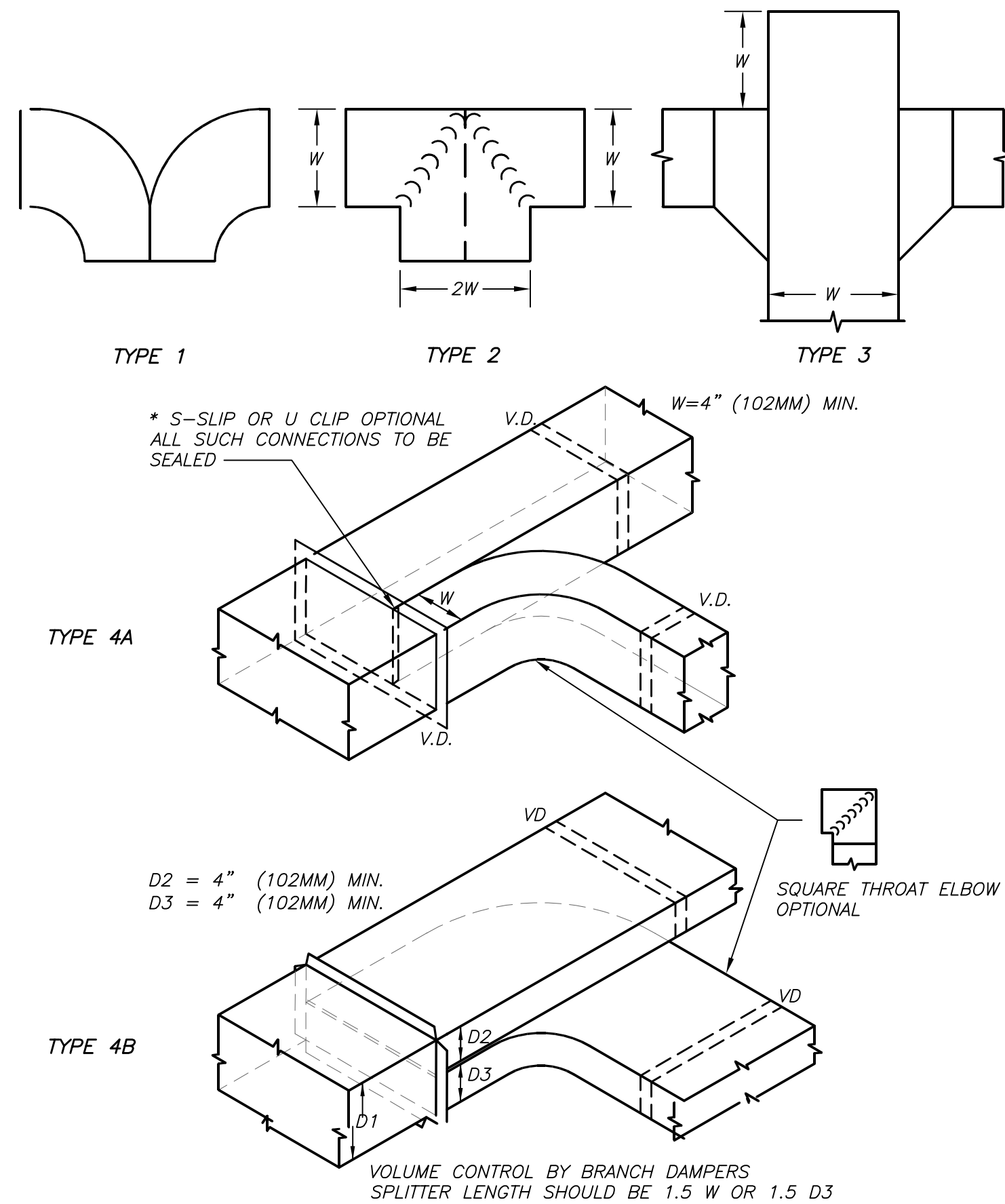
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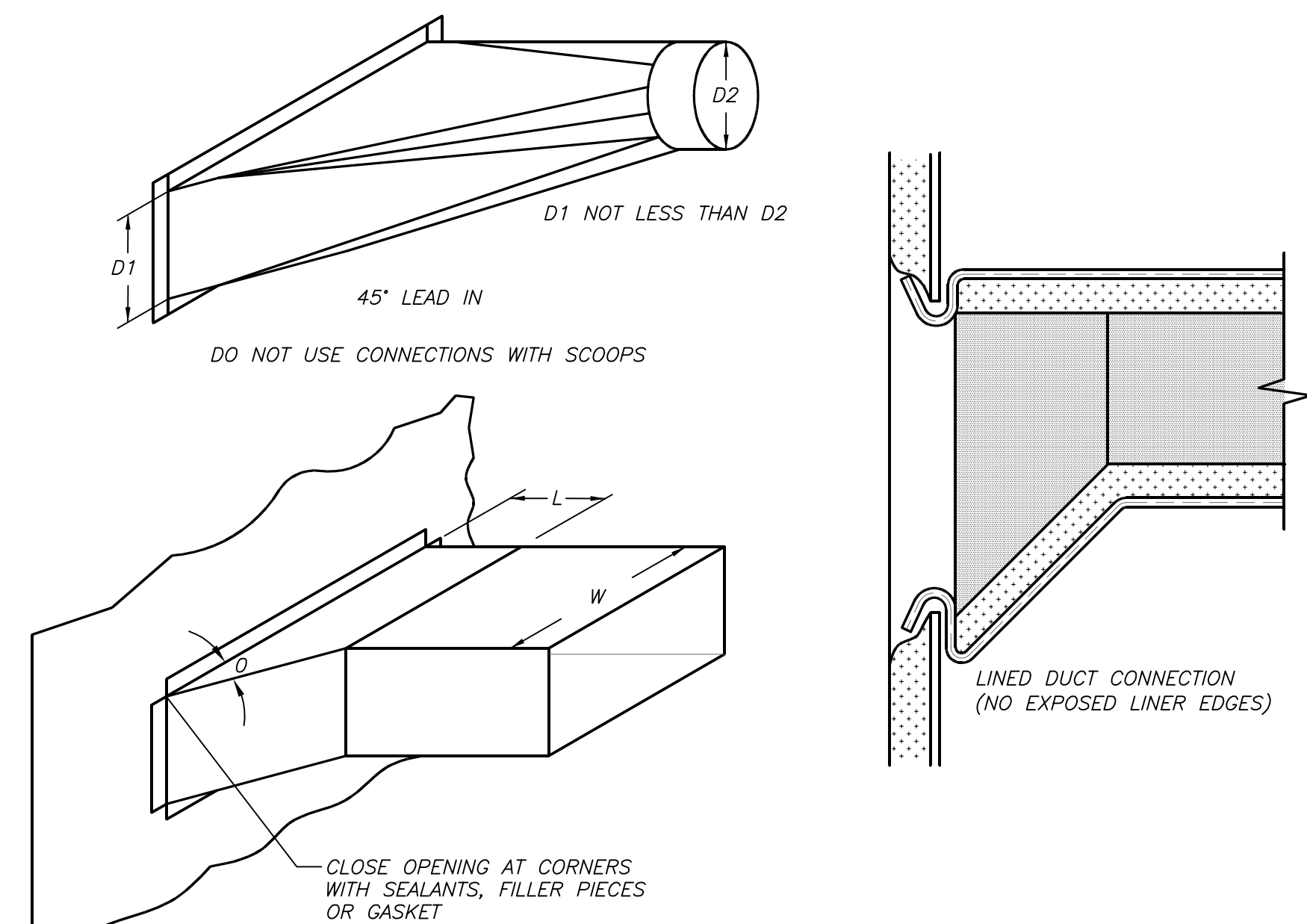
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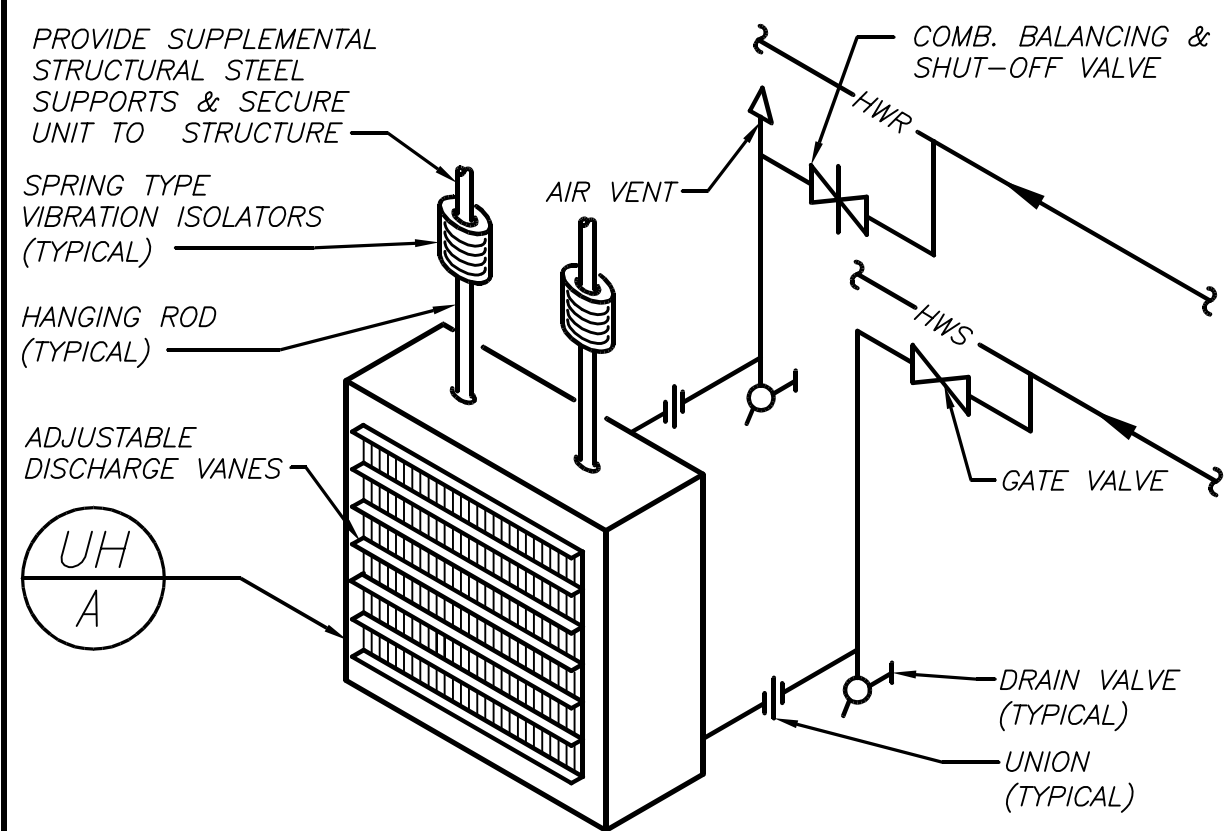
**DUCT OFFSETS AND TRANSITIONS DETAIL** **7** **H401** NO SCALE



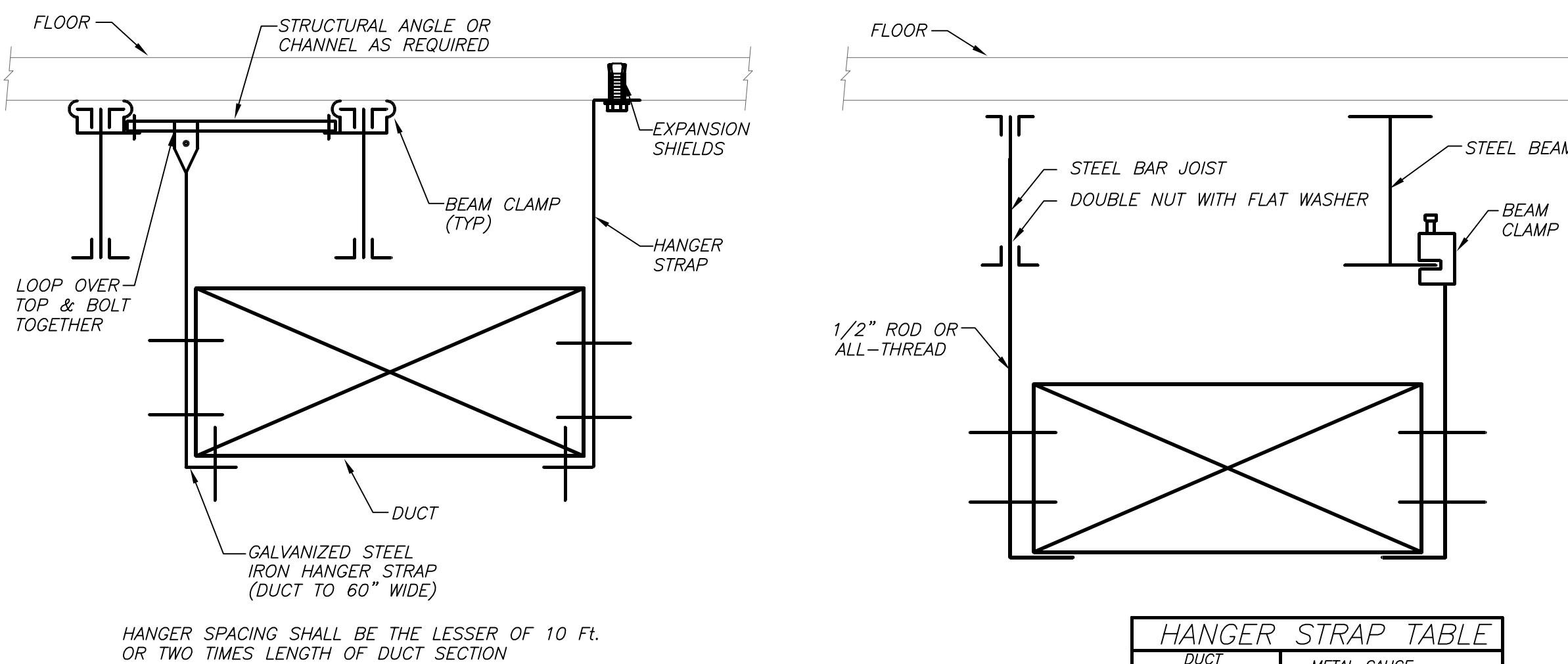
**DUCT DIVIDED FLOW BRANCHES DETAIL** **4** **H401** NO SCALE



**DUCT BRANCH CONNECTIONS DETAIL** **1** **H401** NO SCALE

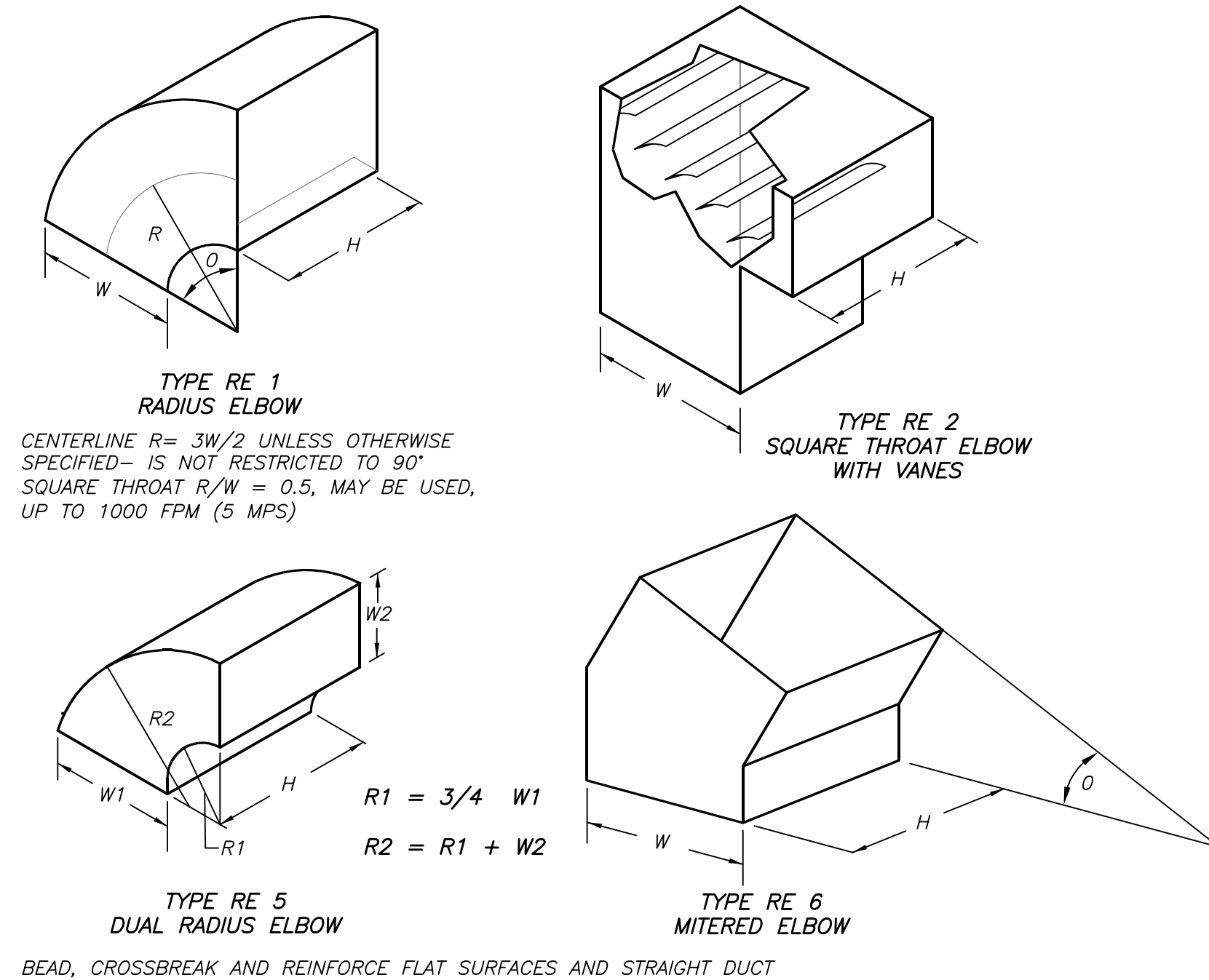


**PIPING CONNECTION TO UNIT HEATER DETAIL** **8** **H401** NO SCALE

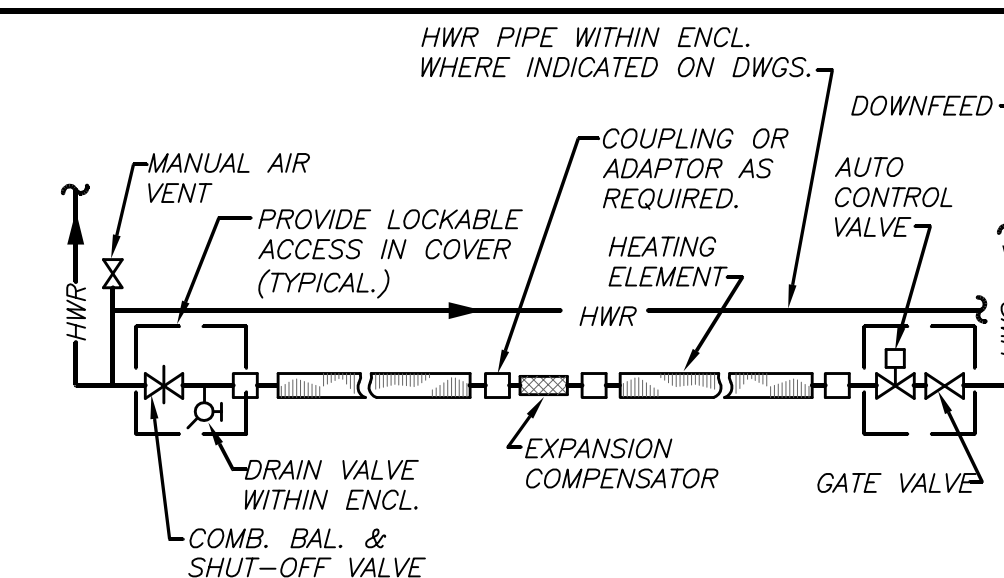
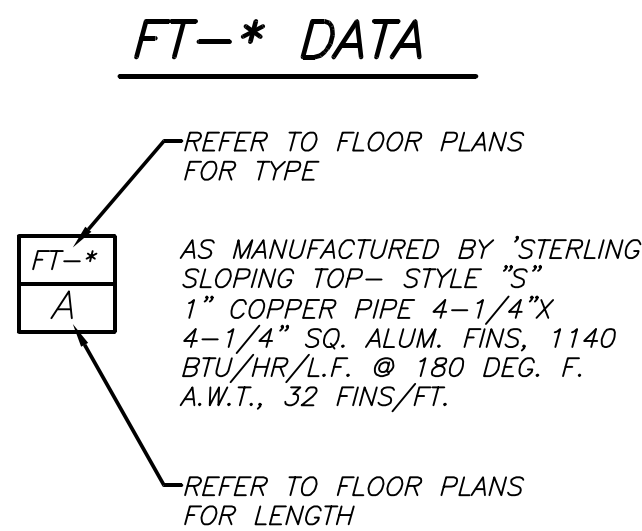
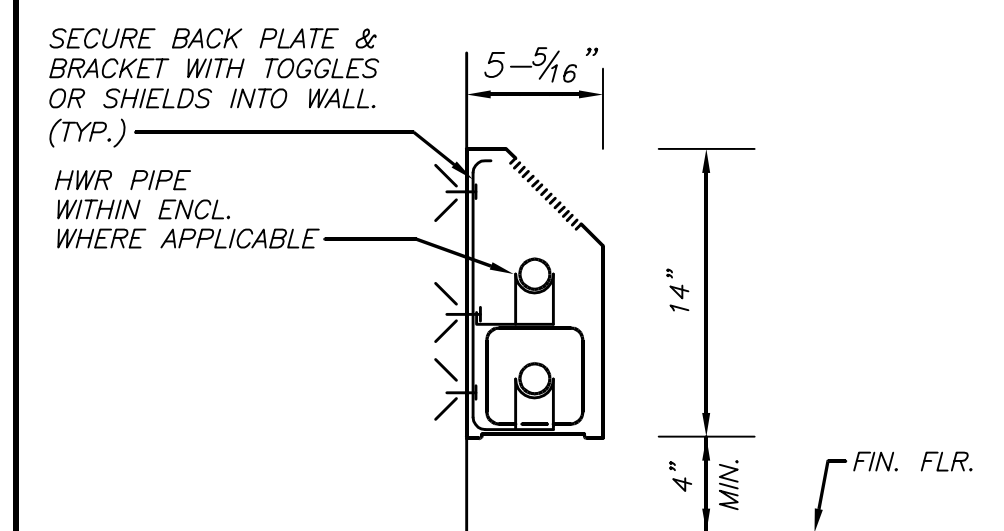


DUCT SIZE	METAL GAUGE
UP TO 2 SQFT.	20 GA. GALV.
UP TO 4 SQFT.	16 GA. GALV.
UP TO 6 SQFT.	12 GA. GALV.
UP TO 8 SQFT.	1/16" GALV.
OVER 8 SQFT.	SEE SMACNA GUIDELINE

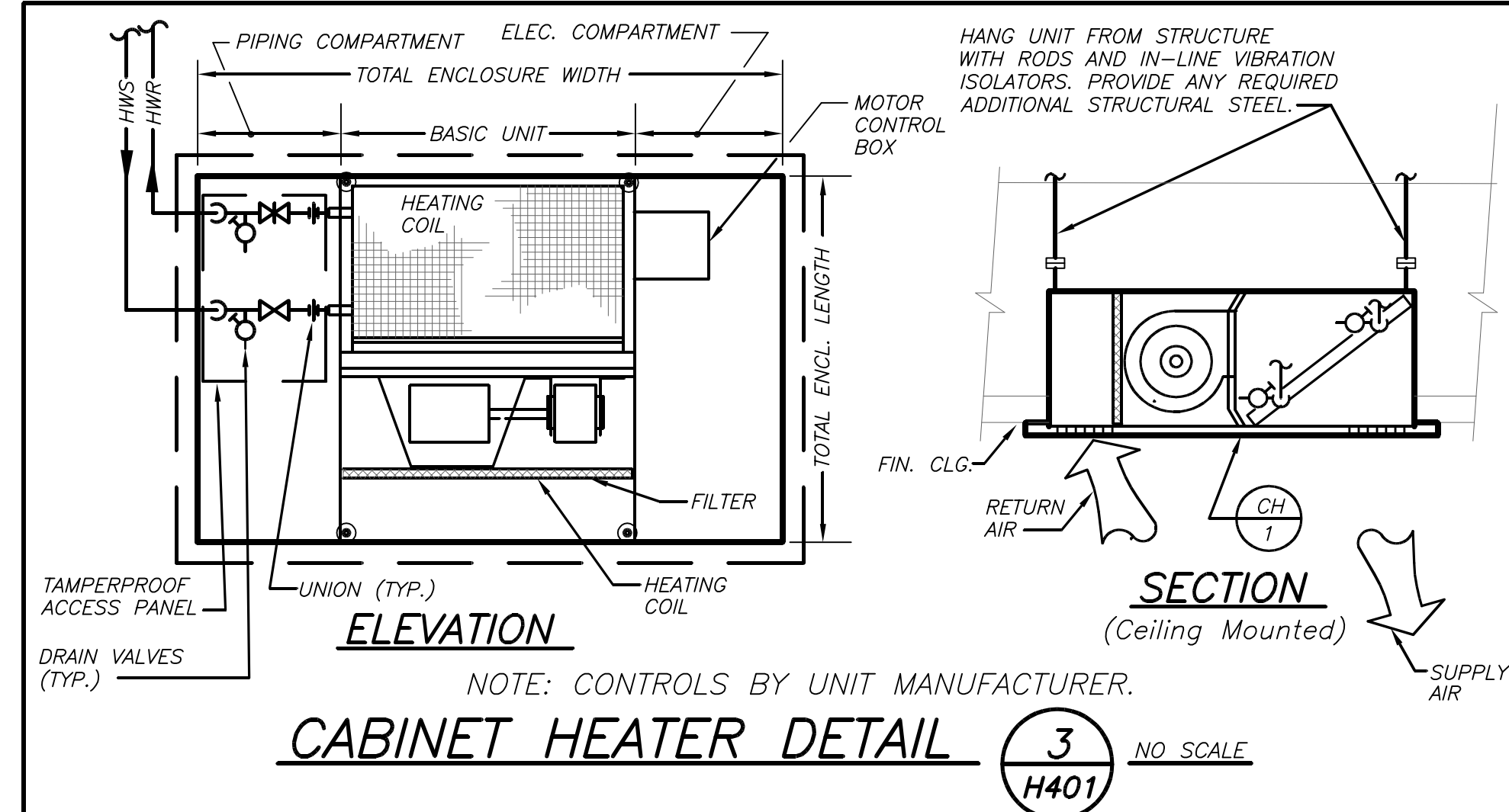
**DUCT SUPPORT DETAIL** **5** **H401** NO SCALE



**DUCT RECTANGULAR ELBOWS DETAIL** **2** **H401** NO SCALE



**FIN TUBE RADIATION DETAIL (HOT WATER)** **6** **H401** NO SCALE



**CABINET HEATER DETAIL** **3** **H401** NO SCALE

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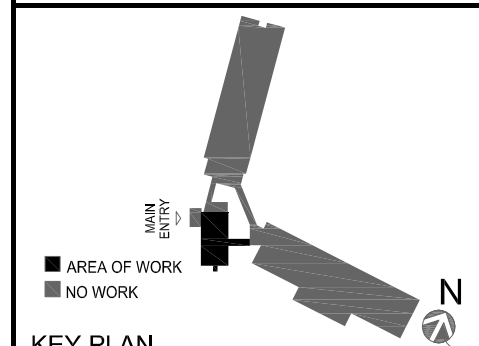
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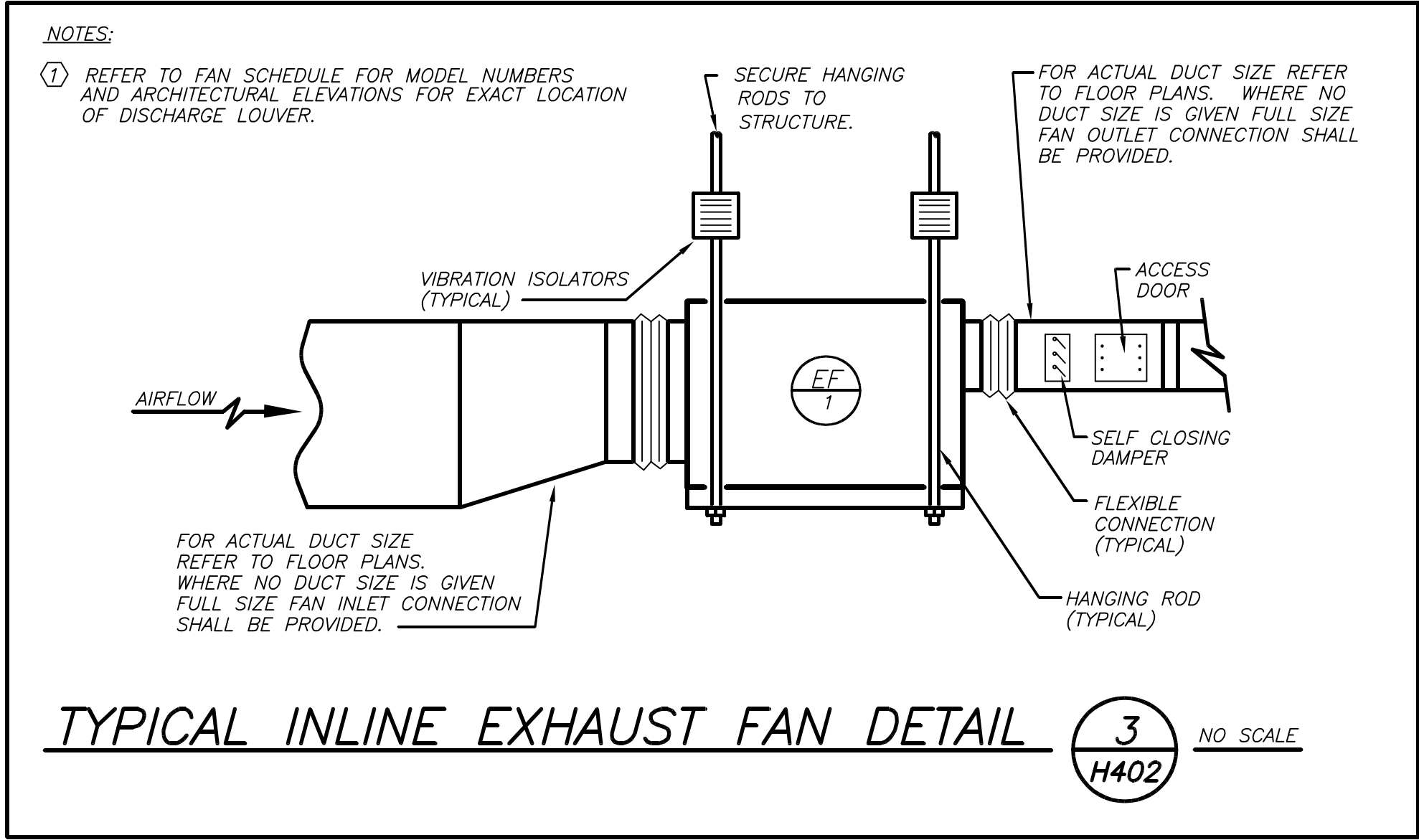
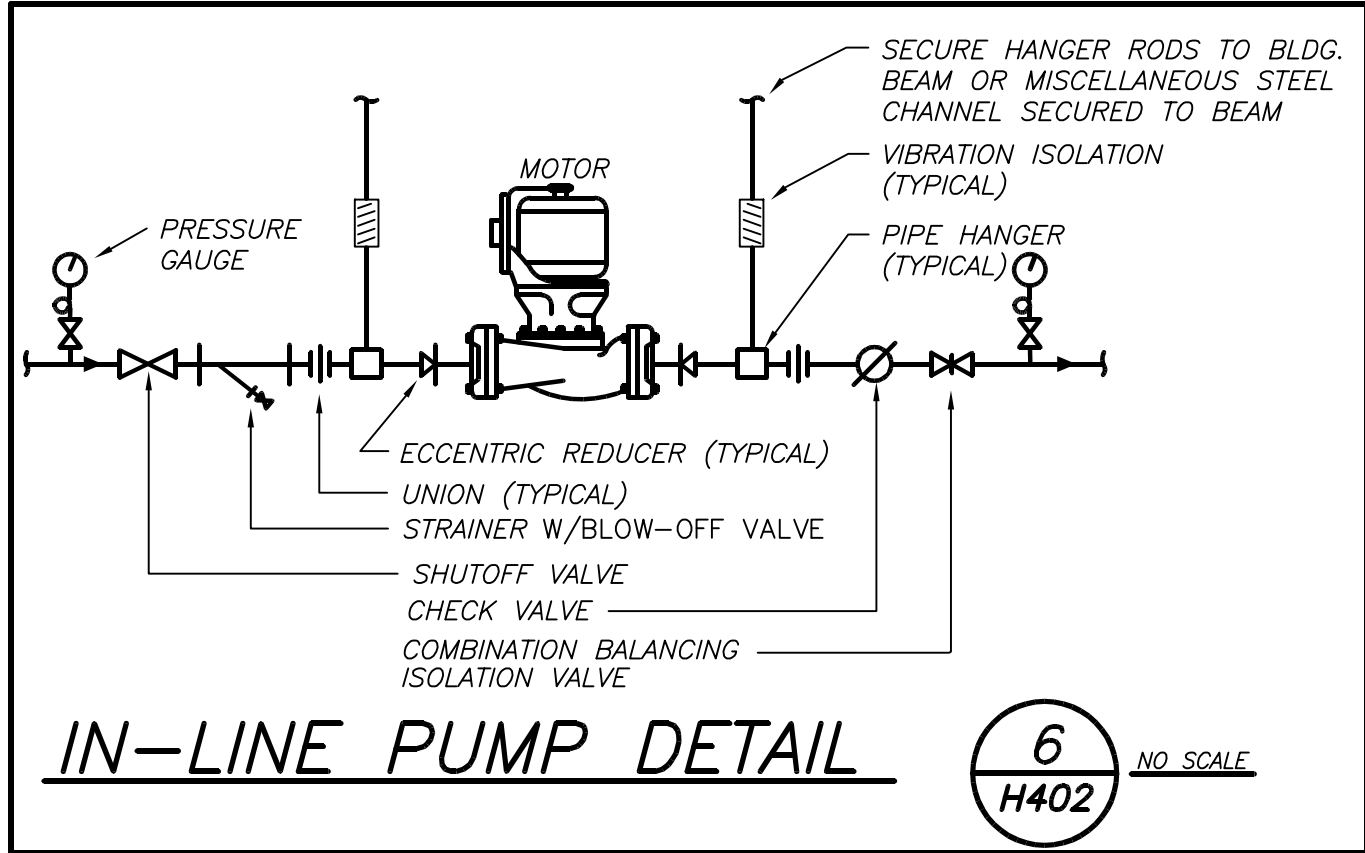
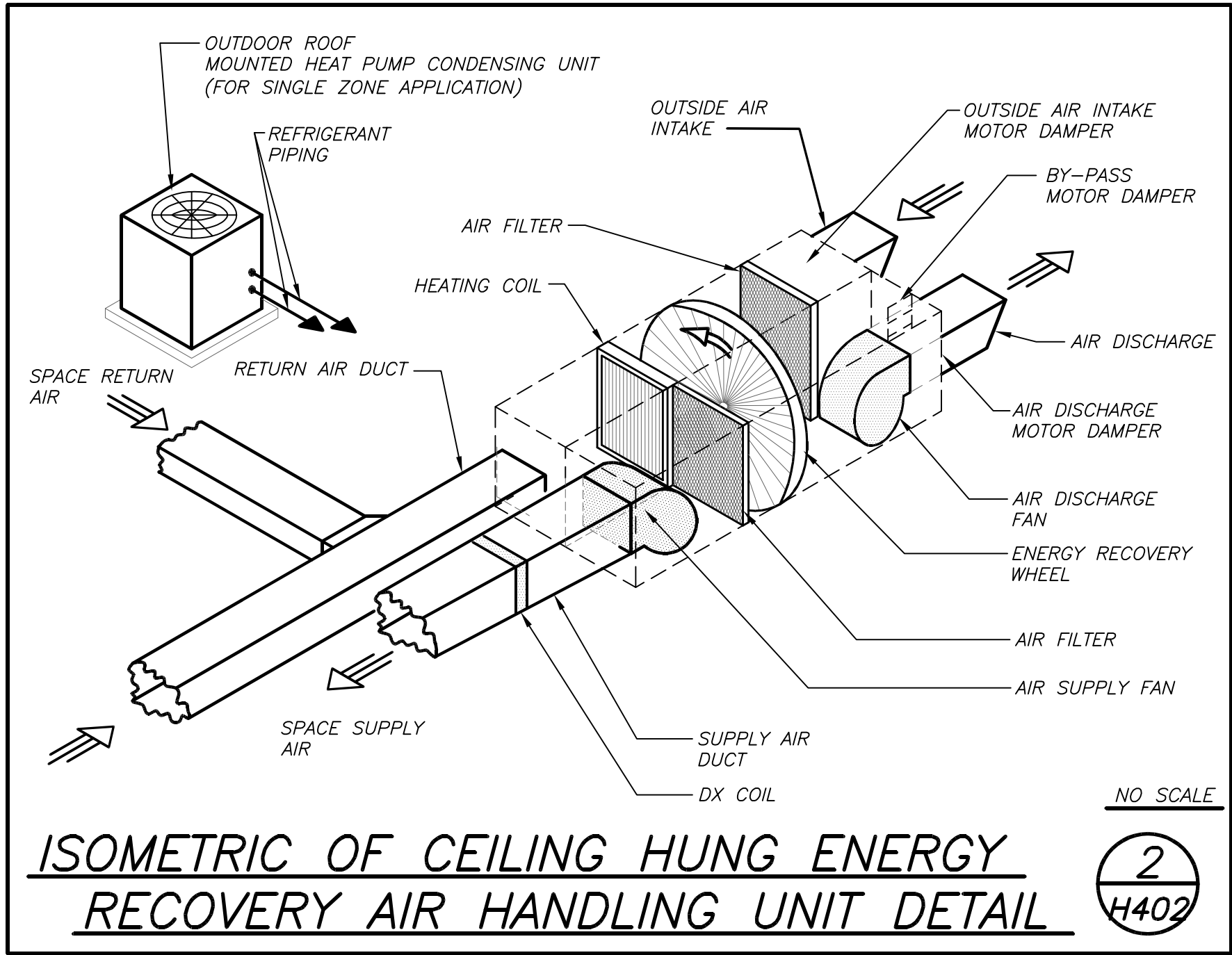
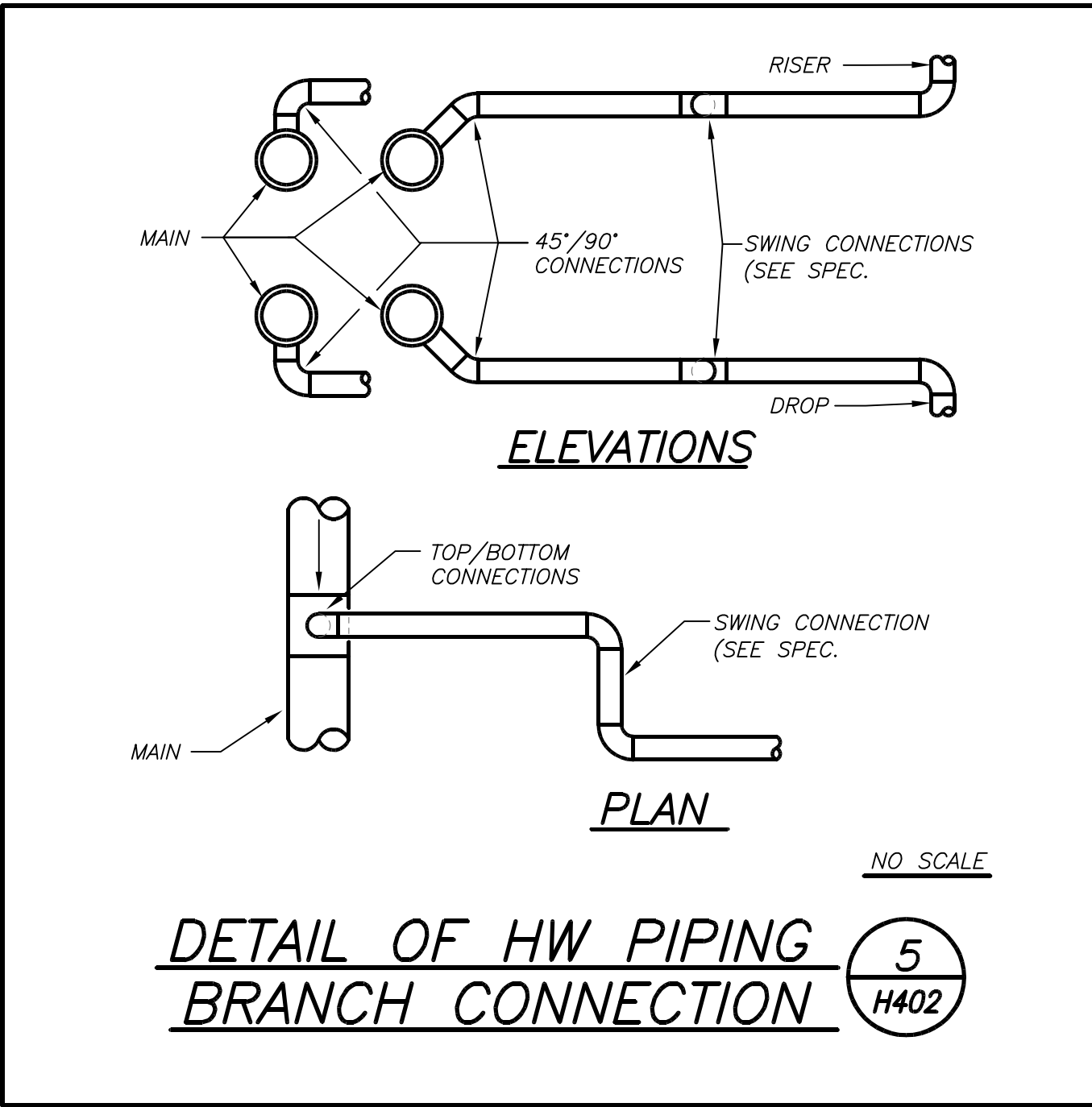
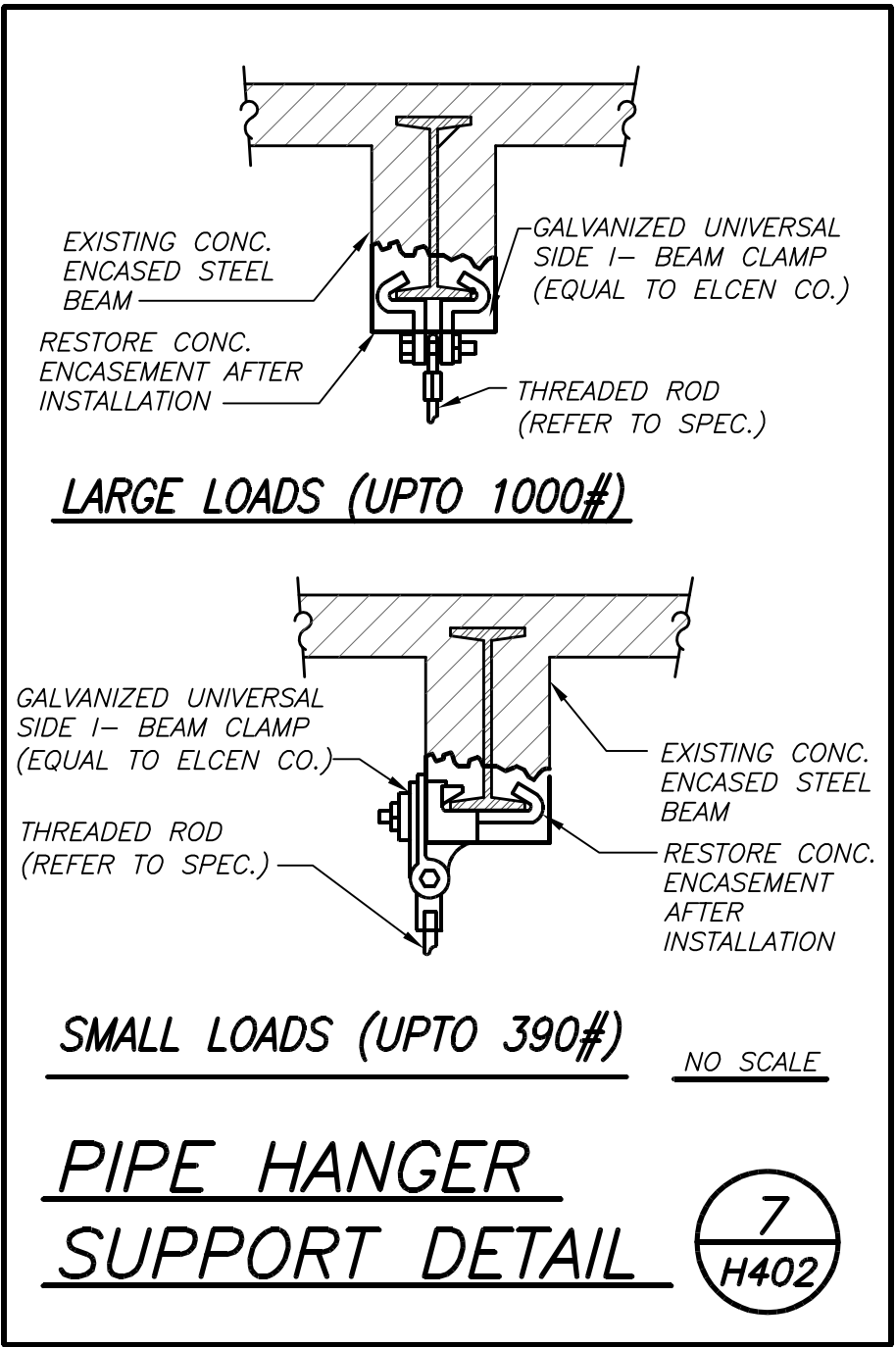
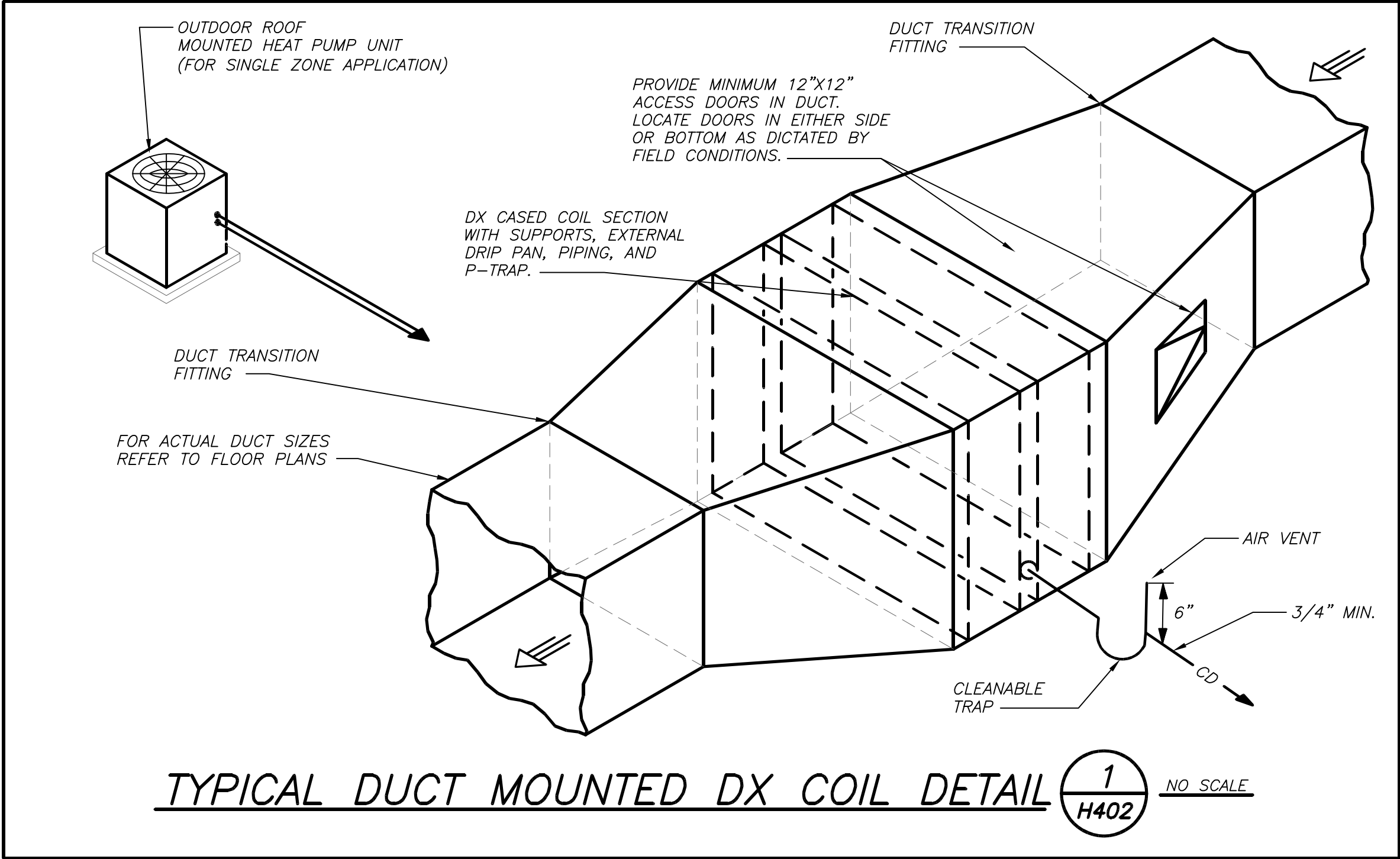
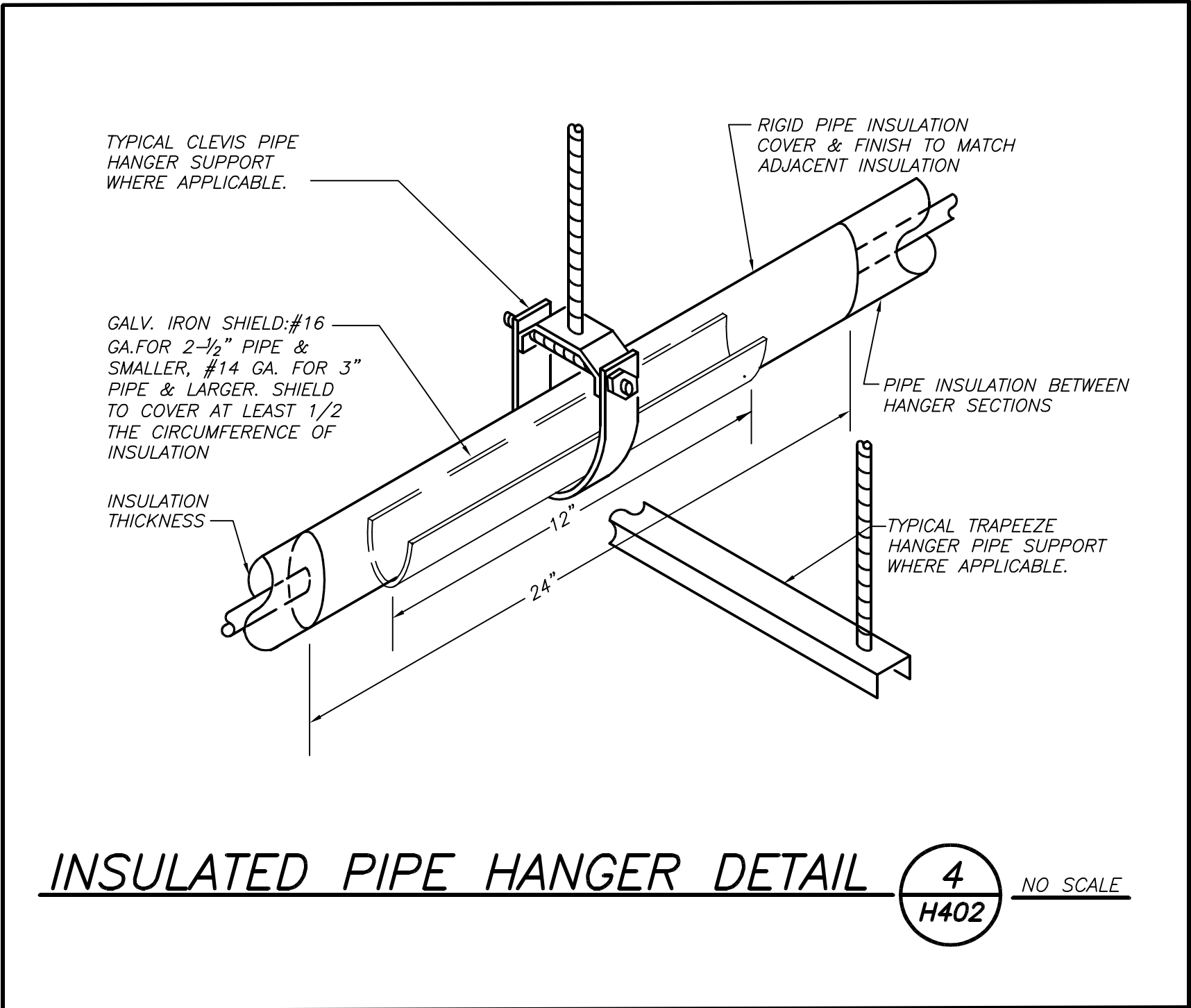
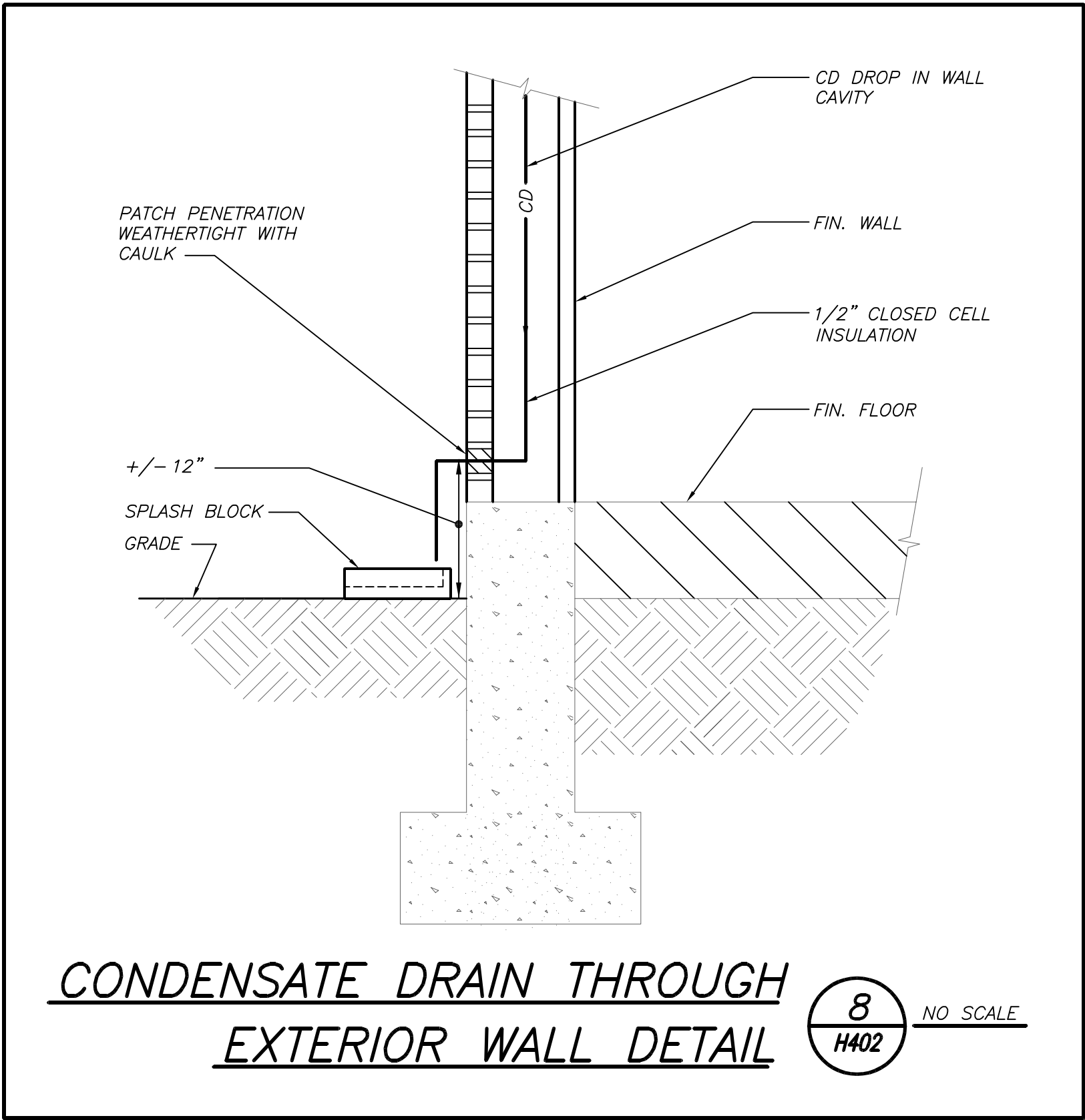
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## DETAILS

Job No.	2021-1048	Date	09/10/2021
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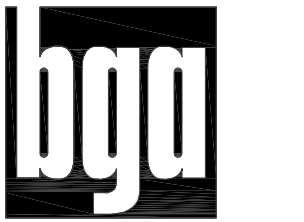
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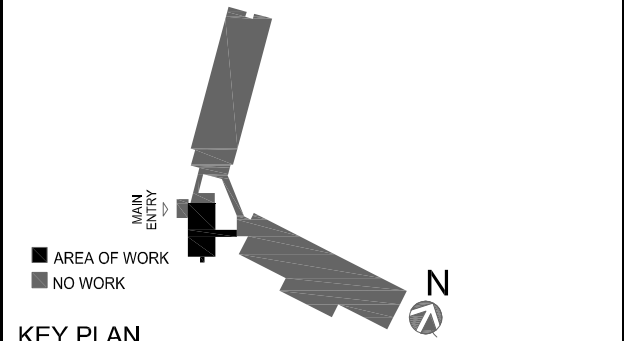
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2021-1048	09/10/2021
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Sheet Number	

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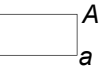


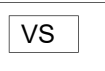



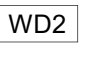


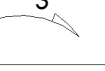
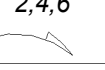









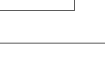
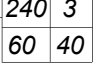

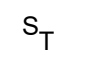
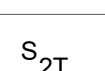



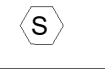



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GENERAL NOTES	
1.	DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK. CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, FITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES, REGULATIONS, BUILDING STANDARDS AND THE BEST PRACTICES OF THE TRADE FOR FIRST CLASS ELECTRICAL INSTALLATION.
2.	THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALED DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT SHALL BE COORDINATED IN FIELD WITH RESPECTIVE CONTRACTOR/OWNER.
3.	THE CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO SUBMISSION OF BID TO DETERMINE WHAT WORK MUST BE PERFORMED AFTER NORMAL BUSINESS HOURS. UNLESS OTHERWISE DIRECTED ANY NOISY WORK (CHOPPING, CORE DRILLING, HAMMERING, ETC.) AND BUILDING POWER INTERRUPTIONS SHALL BE PERFORMED OUTSIDE OF NORMAL BUSINESS HOURS. CONFIRM NORMAL BUSINESS HOURS WITH BUILDING OWNER. NO ADDITIONAL COST WILL BE CHARGED TO OWNER FOR WORK PERFORMED OUTSIDE NORMAL BUSINESS HOURS.
4.	ALL WORK WHERE SHOWN WITH DARK/SOLID LINES ON THE DRAWINGS IS NEW UNLESS OTHERWISE NOTED.
5.	FEEDERS AND BRANCH CIRCUITRY SHALL BE RUN IN MINIMUM 3/4" CONDUIT UNLESS OTHERWISE NOTED. FINAL CONNECTIONS TO MOTORS MAY BE MADE WITH FLEXIBLE METALLIC CONDUIT (NO LONGER THAN 18") IN UNFINISHED AREAS CONDUIT SHALL BE RUN EXPOSED AND IN FINISHED AREAS CONDUIT SHALL BE RUN CONCEALED.
6.	PROVIDE PANEL NAME PLATE MADE OF BLACK LAMINATED PLASTIC WITH WHITE ENGRAVED LETTERING AND TYPE WRITTEN DIRECTORY FOR ALL NEW AND EXISTING PANELS BEING USED FOR THIS PROJECT.
7.	ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN INSULATED. ALL CONDUCTORS SHALL HAVE 600 VOLT RATED INSULATION UNLESS OTHERWISE NOTED.
8.	PROVIDE LOCK-ON CIRCUIT BREAKERS FOR CIRCUITS SERVING EXIT SIGN FIXTURES AND EMERGENCY BATTERY PACK FIXTURES.
9.	REFER TO ARCHITECT'S REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHTING FIXTURES AND OTHER CEILING INSTALLED ITEMS.
10.	THE USE OF FLEXIBLE CONDUIT FROM LIGHTING FIXTURES TO JUNCTION BOX IS PERMITTED ONLY WHEN A SEPARATE GROUND WIRE IS INSTALLED WITH THE CONDUCTORS INSIDE FLEXIBLE CONDUIT. THE GROUND WIRE MUST BOND THE FIXTURE HOUSING TO THE JUNCTION BOX. MAXIMUM LENGTH 6'-0".
11.	EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO THE INSTALLATION.
12.	WALL MOUNTED EQUIPMENT (SWITCHES, RECEPTACLES, ETC.) SHALL BE SURFACE MOUNTED IN UNFINISHED AREAS AND ON EXISTING CONCRETE BLOCK WALLS AND FLUSH MOUNTED IN NEW WALLS/PARTITIONS.
13.	CONDUIT RUNS SHALL BE PARALLEL WITH OR AT RIGHT ANGLES TO WALLS AND CEILINGS. CONDUIT SHALL BE SUPPORTED BY APPROVED MEANS. SUPPORTS FOR HORIZONTAL RUNS OF CONDUIT SHALL NOT EXCEED SEVEN FEET ON CENTERS.
14.	PROVIDE PULL BOXES, JUNCTION BOXES, CONDUIT ELBOWS AND OFFSETS TO SUIT FIELD CONDITIONS AND THE NATIONAL ELECTRICAL CODE.
15.	ALL EMPTY CONDUIT SHALL BE PROVIDED WITH A DRAGWIRE.
16.	THE MINIMUM WIRE SIZE FOR 120 VOLT BRANCH CIRCUITS SHALL BE NO. 12 AWG, EXCEPT OVER 100' IN LENGTH SHALL BE NO. 10 AWG.
17.	PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES (EX. CONNECTORS, ADAPTERS, BUSHINGS, CLAMPS, ETC.) TO FACILITATE COMPLETE INSTALLATION.
18.	THE ELECTRICAL CONTRACTOR SHALL CONFIRM THE CONFIGURATION TYPE FOR ALL SPECIAL RECEPTACLES FOR COPIERS, DATA PROCESSING EQUIPMENT, ETC. WITH OWNER AND ENGINEER PRIOR TO ORDERING.
19.	COORDINATE LOCATION OF ALL MECHANICAL EQUIPMENT WITH HVAC CONTRACTOR IN FIELD. FUSES FOR ALL MOTOR LOADS SHALL BE DUAL ELEMENT TIME DELAY TYPE.
20.	ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
21.	PRIOR TO ORDERING LIGHTING FIXTURES, COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. IF DISCREPANCIES EXIST BETWEEN ARCHITECTURAL AND ENGINEERING INFORMATION OBTAIN CLARIFICATION PRIOR TO PROCEEDING.
22.	MULTIPLE SWITCHES SHOWN IN SAME LOCATION SHALL BE GANGED TOGETHER WITH A COMMON FACEPLATE.
23.	ALL LIGHTING FIXTURES UTILIZING ELECTRONIC BALLASTS SHALL BE PROVIDED WITH A DEDICATED NEUTRAL OR AN OVERSIZED NEUTRAL WHEN SHARED.
24.	ALL LIGHTING FIXTURES CONTROLLED BY DIMMER SWITCHES SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR.
25.	ALL EMERGENCY LIGHT FIXTURES DESIGNATED 'EM' SHALL BE SWITCHED UNLESS OTHERWISE NOTED. PROVIDE UL924 EMERGENCY RELAY TO BYPASS SWITCH UPON INTERRUPTION OF NORMAL POWER AND ILLUMINATE REGARDLESS OF SWITCH POSITION.
26.	OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE RESISTANCE RATED WALLS, ALL SLEEVES MUST HAVE BUSHINGS. SEALANT SHALL BE 3 HOUR FIRE BARRIER #CP-25 (NO LESS THAN 3" THICK BACKED UP WITH MINERAL WOOL).
27.	ALL PANELBOARD COVERS SHALL BE INSTALLED IN PLACE AT THE COMPLETION OF EACH DAYS WORK
28.	PREPARE 'AS-BUILT' DRAWINGS THAT REFLECT ACTUAL CONSTRUCTION AND SHOW DEVIATIONS FROM DESIGN DRAWINGS.
29.	LIGHT FIXTURES SHALL BE CONSTRUCTED TO SUIT PARTICULAR TYPE OF CEILING AND WALL CONSTRUCTION AND SHALL BE PROVIDED WITH APPROPRIATE TRIMS, MOUNTING FRAMES AND ADAPTERS AS REQUIRED.
30.	CONTRACTOR IS OBLIGATED TO INSTALL THE LIGHTING SYSTEM AND CONTROLS IN OBSERVANCE OF ALL APPLICABLE LOCAL AND NATIONAL CODES IN ACCORDANCE WITH APPROVED SUBMITTALS, INCLUDING ALL NOTES AND REVISIONS.
31.	LIGHTING CONTROL SYSTEM MANUFACTURER OR REPRESENTATIVE SHALL PROVIDE ORCHESTRATE PROJECT MANAGEMENT AND QUALIFIED STARTUP OR COMMISSIONING SERVICES TO MEET THE SPECIFICATION AND CONTROL INTENT.
32.	CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION, WIRING, PLACEMENT, AND ADJUSTMENT OF ALL SENSORS AS PER MANUFACTURER'S SPECIFICATIONS, ENGINEER'S DESIGN INTENT, AND APPROVED SUBMITTALS.

GENERAL REMOVAL NOTES	
1.	BEFORE COMMENCING WORK, EXAMINE ALL ADJOINING AREAS THAT MAY BE AFFECTED BY REMOVAL. REPORT TO THE GENERAL CONTRACTOR ANY CONDITION THAT PREVENTS PERFORMANCE OF THE WORK.
2.	BECOME THOROUGHLY FAMILIAR WITH EXISTING CONDITIONS WHERE CONNECTIONS MUST BE MADE, CHANGED OR ALTERED. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER AND NO CONSIDERATION WILL BE GRANTED BY REASON OF LACK OF
3.	FAMILIARITY ON THE PART OF THE CONTRACTOR WITH ACTUAL PHYSICAL CONDITIONS AT THE SITE. INSPECT EACH AND EVERY AREA AFFECTED BY THE ALTERATION OF THE SPACE BEFORE SUBMITTAL OF BID.
4.	ALL ELECTRICAL EQUIPMENT IN THE AREA OF WORK IS EXISTING TO BE REMOVED UNLESS OTHERWISE NOTED. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING: <div>A. LIGHTING FIXTURES AND SWITCHES. B. CIRCUIT BREAKERS AND DISCONNECT SWITCHES. C. RECEPTACLES, OUTLETS AND DEVICES.</div>
5.	ALL CONDUCTORS AND CONDUIT ASSOCIATED WITH REMOVED ELECTRICAL EQUIPMENT SHALL BE REMOVED COMPLETELY BACK TO ITS SOURCE OF POWER AND DISCONNECTED.
6.	ALL POWER CONDUCTORS, CONTROL WIRING AND CONDUIT ASSOCIATED WITH MECHANICAL EQUIPMENT SUCH AS FANS, AIR CONDITIONING UNITS, PUMPS, ETC. DESIGNATED FOR REMOVAL ON THE HVAC AND PLUMBING REMOVAL DRAWINGS SHALL BE REMOVED CLEAR BACK TO THE SOURCE OF POWER AND DISCONNECTED. ALL MOTOR STARTERS, DISCONNECT SWITCHES, CONTROL DEVICES, ETC. SHALL BE REMOVED. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
7.	CIRCUIT BREAKERS AND/OR SWITCHES IN PANELBOARD(S) OR DISTRIBUTION BOARD(S) MADE SPARE DUE TO REMOVAL SHALL BE DESIGNATED AS SUCH ON THE PANEL SCHEDULE.
8.	THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO TRACE AND RELOCATE ALL EXISTING FEEDERS AND BRANCH CIRCUIT WIRING WHICH PASSES THROUGH THE REMOVAL AREA THAT SERVE EXISTING OCCUPIED SPACES TO REMAIN. COORDINATE WITH BUILDING MANAGER PRIOR TO ANY SHUTDOWNS OR DISRUPTIONS THAT MAY BE REQUIRED TO ACCOMPLISH THIS WORK.
9.	DISPOSE OF ALL REMOVED EQUIPMENT, WHICH IS NOT INTENDED TO BE REUSED. PRIOR TO DISPOSAL, CONTACT BUILDING MANAGER TO DETERMINE IF ANY REMOVED EQUIPMENT IS DESIRED FOR STOCK.
10.	EXISTING CIRCUIT BREAKERS IN PANEL(S) ARE TO BE RE-USED. ELECTRICAL CONTRACTOR TO DISCONNECT PANEL AND CIRCUIT BREAKERS WITH GREAT CARE TO ENSURE AGAINST DAMAGE. THIS CONTRACTOR SHALL PROVIDE NEW CIRCUIT BREAKERS AS REQUIRED. ALL NEW CIRCUIT BREAKERS INSTALLED INTO EXISTING PANELBOARDS SHALL BE UL LISTED FOR USE IN THE PANEL.
11.	ALL FIRE ALARM DEVICES IN THE AREA OF WORK ARE EXISTING TO BE REMOVED UNLESS OTHERWISE NOTED.
12.	EXISTING EQUIPMENT DESIGNATED FOR REUSE SHALL BE CLEANED, REFURBISHED AND RESTORED TO OPTIMUM PERFORMANCE. THIS SHALL INCLUDE BUT NOT LIMITED TO CLEANING OF LIGHT FIXTURES, REPLACEMENT OF INOPERABLE BALLASTS AND LAMPS, RESISTANCE TESTING OF BRANCH CIRCUITRY AND FEEDERS, ETC.
13.	EXTEND EXISTING CIRCUITRY TO THOSE DEVICES THAT ARE TO BE RELOCATED. MATCH EXISTING TYPE AND SIZE. RELOCATION OF EXISTING EQUIPMENT SHALL BE PERFORMED ONLY UPON OWNERS ACCEPTANCE OF EXISTING EQUIPMENT.
14.	EXTEND EXISTING CIRCUITS SERVING EQUIPMENT TO REMAIN FROM PANELS THAT ARE TO BE REMOVED TO NEW PANELS OR EXISTING PANELS THAT ARE TO REMAIN.

DISPOSAL OF MERCURY CONTAINING LAMPS	
1.	ALL FLUORESCENT AND HID LAMPS WITHIN REMOVED LIGHT FIXTURES ARE CONSIDERED MERCURY CONTAINING AND SHALL BE TREATED AS HAZARDOUS MATERIAL.
2.	FLUORESCENT AND HID LAMPS SHALL BE REMOVED FROM DEMOLISHED LIGHT FIXTURES AND DISPOSED OF AS PER NEW YORK STATE DEC REGULATIONS AND METHODS
3.	LAMPS MUST BE BAGGED IN NON-LEACHING PLASTIC BAGS AND SEALED TO PREVENT LEAKING.
4.	EACH LAMP OR BAGGED CONTAINER IN WHICH THESE LAMPS ARE CONTAINED MUST BE LABELED OR MARKED CLEARLY WITH ONE OF THE FOLLOWING PHRASES: UNIVERSAL WASTE LAMPS, OR WASTE LAMPS, OR USED LAMPS
5.	THESE MARKED BAGS MUST BE DELIVERED TO THE PROPER NEW YORK STATE D.E.C. AUTHORIZED LANDFILL OR RECYCLE CENTERS.

ABBREVIATIONS	
ABBV.	DESCRIPTION
A	AMP/AMPERE
A.F.F.	ABOVE FINISHED FLOOR
AIC	AMP INTERRUPTING CURRENT
AWG	AMERICAN WIRE GAUGE
CH	CABINET HEATER
EM	EMERGENCY
E.C.	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
F.A.C.P.	FIRE ALARM CONTROL PANEL
G.GRD	GROUND
GFI	GROUND FAULT INTERRUPTER
kcmil	THOUSAND CIRCULAR MILLS
KVA	KILOVOLT AMPERE
KW	KILOWATT
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MTD	MOUNTED
NTS	NOT TO SCALE
P.A.	PUBLIC ADDRESS
TYP.	TYPICAL
UH	UNIT HEATER
U.O.N.	UNLESS OTHERWISE NOTED
UV	UNIT VENTILATOR
W	WATT
WP	WEATHERPROOF

LEGEND	
 A	2'x4' LED CEILING MOUNTED LIGHT FIXTURE. UPPER CASE LETTER DENOTES TYPE, LOWER CASE LETTER DENOTES SWITCH CONTROL. FIXTURE SCHEDULE DENOTES TYPE.
 AEM	2'x4' CEILING MOUNTED LED LIGHT FIXTURE FOR EMERGENCY OPERATION. 'EM' INDICATES SWITCHED EMERGENCY FIXTURE, 'EMNL'-UNSWITCHED EMERGENCY/NIGHT FIXTURE.
	CEILING/WALL MOUNTED EXIT LIGHT WITH OUTLET BOX. DIRECTIONAL ARROWS SHADED PORTION INDICATES ILLUMINATED FACE. SCHEDULE DENOTES TYPE.
 VS	WALL MOUNTED VACANCY SENSOR SIMILAR TO HUBBELL LIGHTHAWK MODEL #LHMTS1-G
 OS	NETWORK DIGITAL CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, SIMILAR TO WATTSTOPPER MODEL LMDC-100. WORKS WITH DIGITAL ROOM CONTROLLER. PROGRAM TO MAXIMUM SENSITIVITY AND TIME DELAY TO 20 MIN.
 RC	NETWORK DIGITAL DIMMABLE ROOM CONTROLLER FOR LIGHTING CONTROL. SIMILAR TO WATTSTOPPER MODEL LMRC-213. HOT WIRE TO LOAD, CAT 5 WIRE CONNECTION TO CONTROL THE DEVICE. RC# DENOTES LMRC-21# WITH # OF ZONES
 3WD2	NETWORK DIGITAL FLUSH MOUNTED PRESET 3-ZONE DIMMABLE WALL STATION. SIMILAR TO WATTSTOPPER MODEL LMSW-104. WORKS WITH DIGITAL ROOM CONTROLLER. INCLUDES BUTTON ENGRAVING AND PROGRAMMING PER ZONE. A.B.C, ON, RAISE, OFF, LOWER. SUPERScript '3' DENOTES 3 WAY SWITCH.
 3WD3	NETWORK DIGITAL FLUSH MOUNTED PRESET 3-ZONE DIMMABLE WALL STATION. SIMILAR TO WATTSTOPPER MODEL LMSW-105. WORKS WITH DIGITAL ROOM CONTROLLER. INCLUDES BUTTON ENGRAVING AND PROGRAMMING PER ZONE. A.B.C, ON, RAISE, OFF, LOWER. SUPERScript '3' DENOTES 3 WAY SWITCH.
 3	HOMERUN TO DESIGNATED PANEL. ARROWHEAD INDICATES SINGLE POLE CIRCUIT. HOMERUN SHALL CONSIST OF 2#12-3/4" U.O.N.
 2,4,6	HOMERUN TO DESIGNATED PANEL, NUMBERS INDICATE MULTIPLE CIRCUIT, I.E. 3-HOTS AND 1-GROUND U.O.N.
	125V-2P-3W-20A GROUNDED TYPE. SPECIFICATION GRADE TAMPER RESISTANCE WALL MOUNTED DUPLEX RECEPTACLE. SIMILAR TO HUBBELL #5382WTR
	20A FLUSH WALL MOUNTED GROUND FAULT INTERRUPTING TYPE DUPLEX RECEPTACLE HUBBELL #GF5382.
	CEILING MOUNTED 125V-2P-3W-20A GROUNDED TYPE RECEPTACLE. PROVIDE BRIDGE SUPPORT IN ALL AREAS MOUNTED ON CEILING TILE.
 WB	RECESSED WALL BOX 2-GANG ENCLOSURE. SIMILAR TO HUBBELL FPTY. FOR POWER PROVIDE 125V-2P-3W-20A GROUNDED TYPE SPECIFICATION GRADE RECEPTACLE SIMILAR TO HUBBELL #5382. FOR DATA PROVIDE 1-1/4" EMPTY CONDUIT WITH DRAG LINE STUBBED UP 6" ABOVE FINISHED CEILING.
	FLUSH WALL MOUNTED DATA OUTLET CONSISTING OF A COVER PLATE WITH 1" GROMMETED OPENING AND 1-1/4" EMPTY CONDUIT WITH DRAG LINE STUBBED UP 6" ABOVE FINISHED CEILING.
	FLUSH WALL MOUNTED TELE DATA OUTLET CONSISTING OF A COVER PLATE WITH 1" GROMMETED OPENING AND 1-1/4" EMPTY CONDUIT WITH DRAG LINE STUBBED UP 6" ABOVE FINISHED CEILING.
 S <sub>R/L</sub>	RAISE LOW SWITCH FOR MOTORISED SCREEN
	SURFACE MOUNTED NEW ELECTRICAL PANELBOARD.
 240 3 60 40 WP	HEAVY DUTY TYPE DISCONNECT SWITCH WITH FINAL FLEXIBLE EQUIPMENT CONNECTION. 240 INDICATES VOLTAGE, 3 INDICATES NO. OF POLES, 60 INDICATES AMPERE RATING, NF INDICATES NON-FUSED (OR FUSE SIZE) U.O.N. REFER TO SPECIFICATION AND DRAWINGS FOR ENCLOSURE. 'WP' WHERE USED INDICATES WEATHERPROOF ENCLOSURE (NEMA 3R).
 S <sub>T</sub>	THERMAL SWITCH, CUTLER-HAMMER MS SERIES MANUAL STARTERS SINGLE-PHASE 20AMP. 120V U.O.N. WHERE INDICATED WITH 'WP' PROVIDE WATERTIGHT ENCLOSURE TYPE 3.
 S <sub>2T</sub>	208 VOLT, SINGLE PHASE 2 POLE, THERMAL OVERLOAD PROTECTED TOGGLE TYPE SWITCH. SIMILAR TO EATON #AH4361 + #AH27940G NEMA 1 ENCLOSURE.
 5	MOTOR (F.B.O. WIRED BY ELEC.) - NUMBER INDICATES HORSEPOWER. REFER TO PANEL SCHEDULES FOR WIRING AND OVER CURRENT PROTECTION.
 F	WALL MOUNTED COMBINATION FIRE ALARM HORN STROBE DEVICE.
 F	WALL MOUNTED FIRE ALARM MANUAL PULL STATION
 S	CEILING MOUNTED IONIZATION TYPE SMOKE DETECTOR
 ST	WALL MOUNTED FIRE ALARM STROBE LIGHT.
 FACP	FIRE ALARM CONTROL PANEL.
 WAP	JUNCTION BOX FOR CEILING MOUNTED WIRELESS ACCESS POINT. DEVICE AND WIRING PROVIDED BY OWNER. PROVIDE BRIDGE SUPPORT IN ALL AREAS MOUNTED ON CEILING TILE.
 1	TAG SYMBOL. NUMERAL DENOTES REFERENCE TO A WORK NOTE.
MECHANICAL EQUIPMENT IDENTIFICATION:	
	EQUIPMENT ABBREVIATION (FE, SF, HV, ETC. SEE ABBREVIATIONS ON THIS DWG.)
	EQUIPMENT NUMBER
DETAIL/PART PLAN NUMBER IDENTIFICATION:	
	DETAIL/PART PLAN NUMBER
	DRAWING NUMBER

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AREA OF WORK  
NO WORK

N

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NOTES ABBREVIATIONS AND LEGENDS

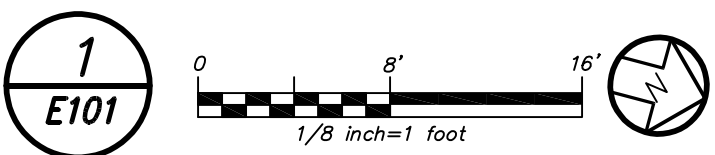
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Sheet Number

E001



FIRST FLOOR REMOVAL PLAN  
(REMOVALS)



**REMOVAL NOTES:**

1. ELECTRICAL CONTRACTOR TO REMOVE EXISTING RECESSED MOUNTED PANELBOARD BACK TO THE SOURCE. EXTEND ANY EXISTING BRANCH CIRCUITRY TO NEW PANELBOARD SHOWN IN DRAWINGS E301. REFER TO RISER ON E201 FOR ADDITIONAL SCOPE OF WORK.

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS

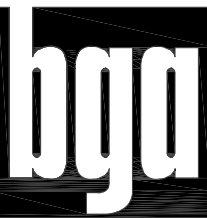
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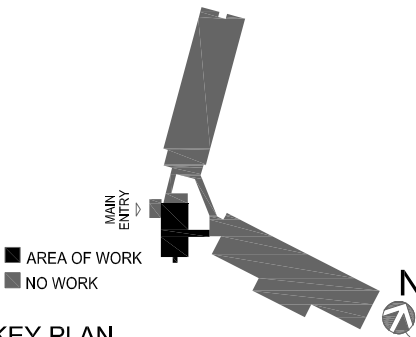
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REMOVAL PLAN

Job No. 2021-1048 Date 09/10/2021

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E101

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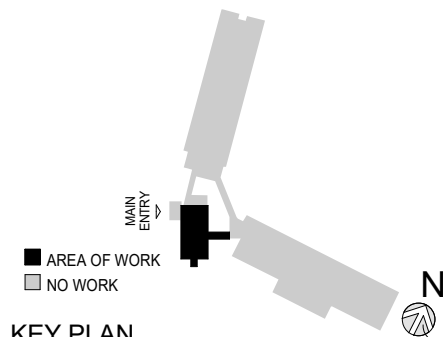


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LIGHTING PLAN

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E201

ALTERNATE #1

BASE BID: REMOVE LIGHT FIXTURE  
TYPE A AND E AND INCLUDE  
(2) ADDITIONAL TYPE D FIXTURE.  
FINAL LAYOUT TO BE ADJUSTED



1 1ST FLOOR LIGHTING PLAN  
E201 New Construction

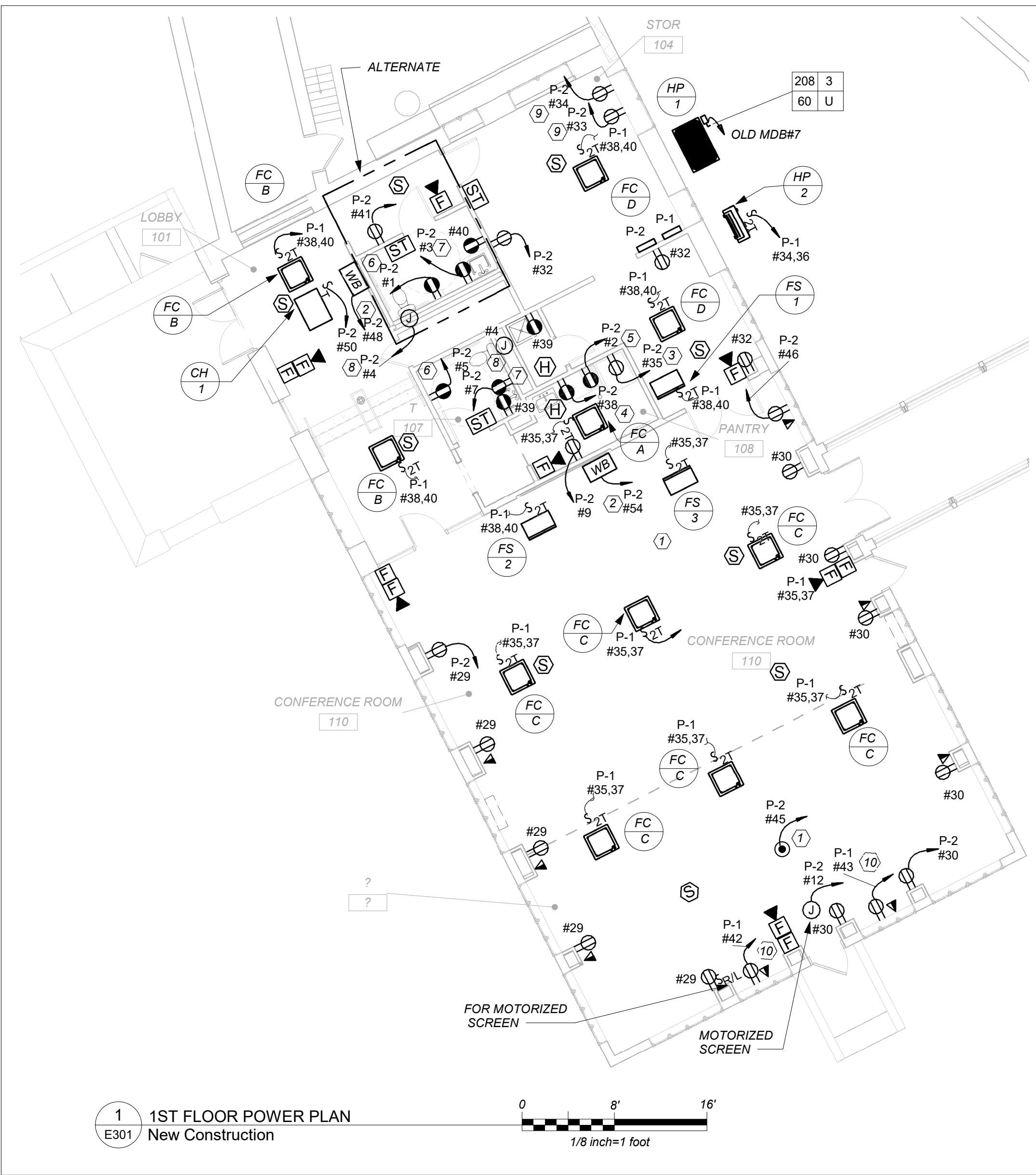
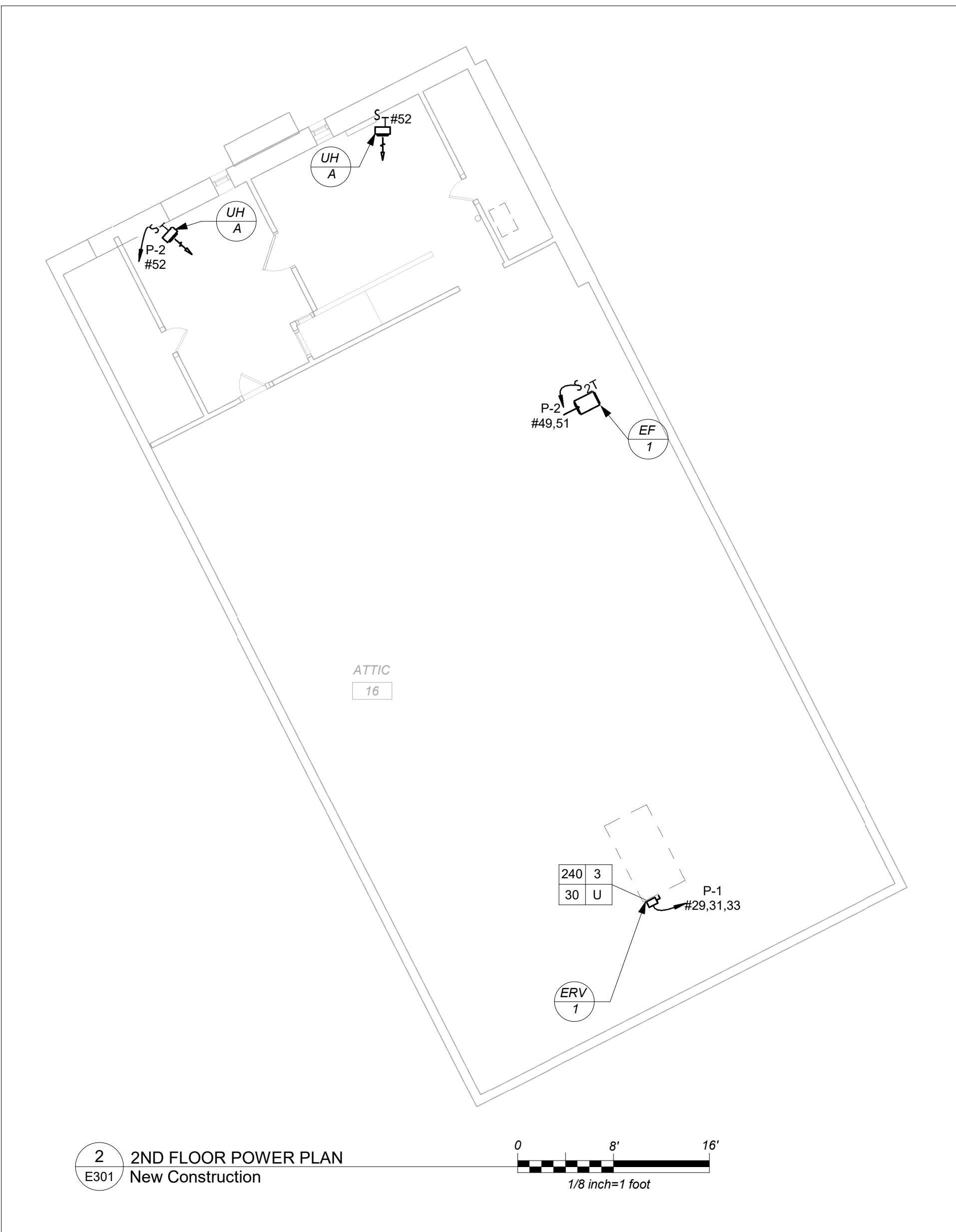
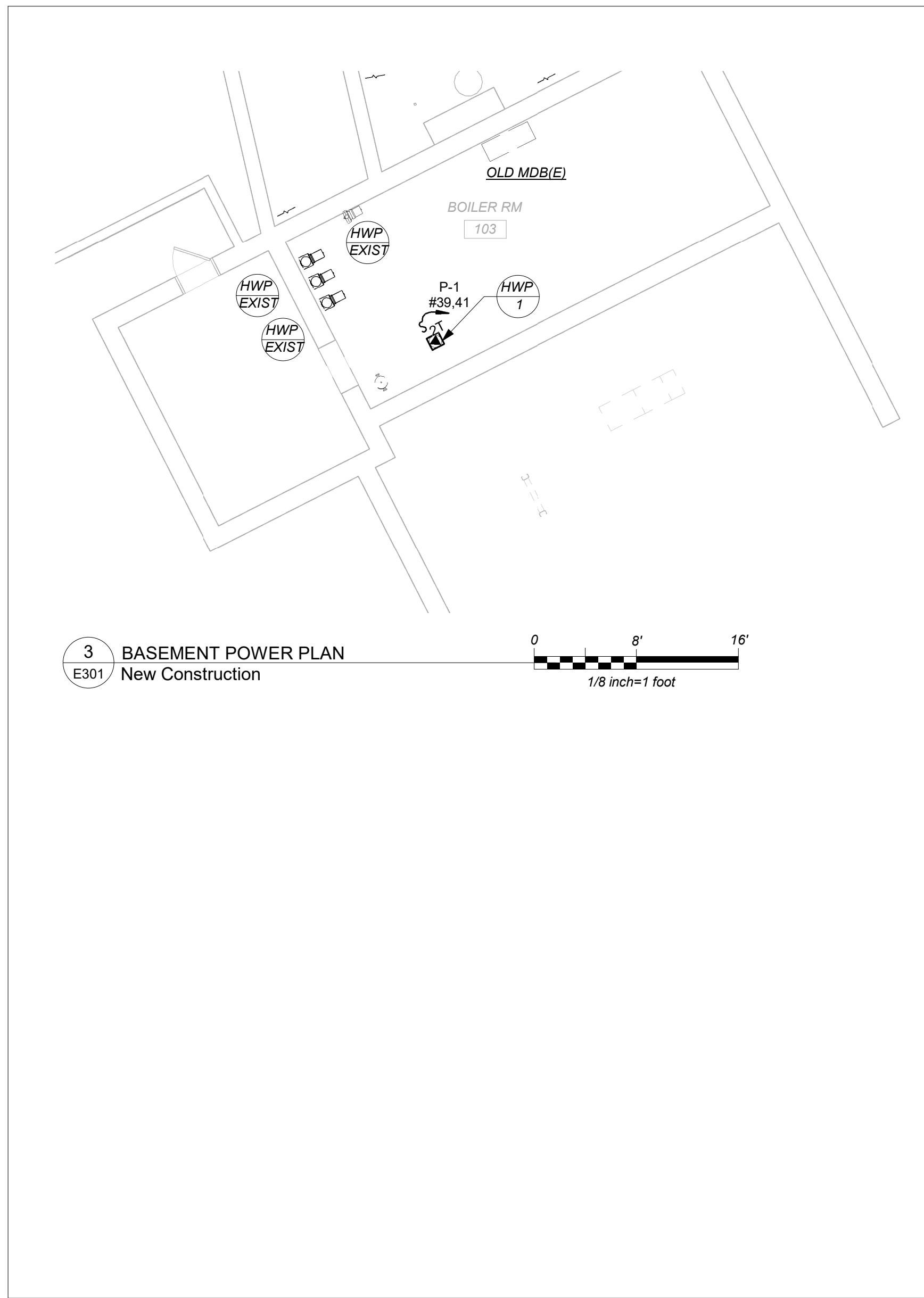
**GENERAL NOTES:**

- CIRCUIT BREAKER NUMBERS PROVIDED ARE FOR CONTRACTOR REFERENCE ONLY. RE-USE EXISTING BREAKERS AVAILABLE AFTER DEMO WORK.
- FOR ALL AREAS CONTROLLED BY ROOM CONTROLLER "RC", ELECTRICAL CONTRACTOR IS TO CIRCUIT ROOM CONTROLLER, THEN EXTEND LINE VOLTAGE CIRCUITRY TO EACH OF THE LIGHT FIXTURES DEPENDING ON CONTROL ZONES. REFER TO ROOM CONTROLLER WIRING DIAGRAM DETAILS ON DRAWING E601.
- ALL EXIT LIGHTS SHALL BE CIRCUITED TO NARMAL LIGHTING CIRCUIT IN THE AREA, AHEAD OF SWITCHING.
- SET LIGHTING CONTROL SENSORS TO HIGHEST SENSITIVITY AVAILABLE PRIOR TO INSTALLATION.

**LIGHTING CONTROL AND SEQUENCE OF OPERATION:**

- CONFERENCE ROOM IS CONTROLLED VIA MANUAL ON DIMMABLE WALL SWITCH AND OCCUPANCY SENSORS. IT CONSISTS OF FULL DIMMING CAPABILITY OF THREE ZONES. WALL SWITCHES CONSISTS OF 'A', 'B', 'C' 'OFF', 'RAISE' AND 'LOWER' BUTTONS. THE OCCUPANCY SENSORS SHALL HAVE AUTO OFF FEATURE WHICH SHALL TURN ALL LIGHTS OFF AFTER 20 MINUTES WHEN THE ROOM IS VACANT. FIXTURES WITH IN BUILT EMERGENCY BATTERY PACK ARE INCLUDED TO OVERRIDE SWITCHING AND FORCE EMERGENCY LIGHTS ON 100% IN EVENT OF EMERGENCY.
- LOBBY IS CONTROLLED VIA MANUAL ON DIMMABLE WALL SWITCH AND OCCUPANCY SENSORS CONSISTING OF FULL DIMMING CAPABILITY OF TWO ZONES. WALL SWITCHES CONSISTS OF 'D', 'E', 'OFF', 'RAISE' AND 'LOWER' BUTTONS. THE OCCUPANCY SENSORS SHALL HAVE AUTO OFF FEATURE WHICH SHALL TURN ALL LIGHTS OFF AFTER 20 MINUTES WHEN THE ROOM IS VACANT. FIXTURES WITH IN BUILT EMERGENCY BATTERY PACK ARE INCLUDED TO OVERRIDE SWITCHING AND FORCE EMERGENCY LIGHTS ON 100% IN EVENT OF EMERGENCY.
- SINGLE TOILETS SHALL BE CONTROLLED VIA WALL MOUNTED VACANCY SENSOR. THE VACANCY SENSORS CONSISTS OF MANUAL ON AND AUTO OFF. THE AUTO OFF FEATURE WHICH SHALL TURN ALL LIGHTS OFF AFTER 20 MINUTES WHEN THE BATHROOM IS VACANT. SELF CONTAINED BATTERY PACKS TO OVERRIDE ALL CONTROLS IN EVENT IF EMERGENCY.

BEFORE FABRICATION THIS CONTRACTOR SHALL  
VERIFY ALL MEASUREMENTS AND CONDITIONS ON  
JOB AND COORDINATE HIS WORK WITH THE  
WORK OF ALL THE OTHER CONTRACTORS



### GENERAL NOTES:

1. PROVIDE PATHWAY ONLY (CONDUIT W/DRAWLINE) FOR ALL TELEPHONE AND DATA WIRING

### WORK NOTES

1. COORDINATE EXACT LOCATION OF THE PROJECTOR WITH OWNER/ARCHITECT BEFORE START OF ANY WORK.
2. LOCATION FOR THE DISPLAY UNIT. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER/ARCHITECT BEFORE START OF ANY WORK.
3. CIRCUIT FOR REFRIGERATOR. COORDINATE EXACT MOUNTING HEIGHT WITH OWNER/ARCHITECT BEFORE START OF ANY WORK.
4. CIRCUIT FOR MICROWAVE. COORDINATE EXACT MOUNTING HEIGHT WITH OWNER/ARCHITECT BEFORE START OF ANY WORK.
5. DEDICATED CIRCUIT FOR OWNER EQUIPMENT. COORDINATE EXACT MOUNTING HEIGHT WITH OWNER/ARCHITECT BEFORE START OF ANY WORK.
6. CIRCUIT FOR HAND DRYERS. COORDINATE EXACT LOCATION WITH ARCHITECT BEFORE START OF ANY WORK.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF GFI OUTLET BELOW THE SINK TO SERVE THE POWER SUPPLY FOR AUTOMATIC FAUCET PRIOR TO THE START OF ANY WORK WITH PLUMBING CONTRACTOR. POWER SUPPLY FURNISHED BY PLUMBING CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL THE 120V CIRCUIT AND ALL LOW VOLTAGE WIRING ON THE LOAD SIDE OF POWER SUPPLY BY PLUMBING CONTRACTOR.
8. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF JUNCTION BOX TO SERVE THE POWER SUPPLY FOR AUTOMATIC FLUSH VALVE PRIOR TO THE START OF ANY WORK WITH PLUMBING CONTRACTOR. POWER SUPPLY FURNISHED BY PLUMBING CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL THE 120V CIRCUIT AND ALL LOW VOLTAGE WIRING ON THE LOAD SIDE OF POWER SUPPLY BY PLUMBING CONTRACTOR.
9. DEDICATED CIRCUIT FOR DATA RACK. COORDINATE EXACT LOCATION AND HEIGHT WITH SCHOOL AV VENDOR BEFORE START OF ANY WORK.
10. PROVIDE DEDICATED CIRCUITS FOR AV STORAGE. PROVIDE 2#12+1#12-3/4" C TO INDICATED PANELBOARD.



BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL THE OTHER CONTRACTORS

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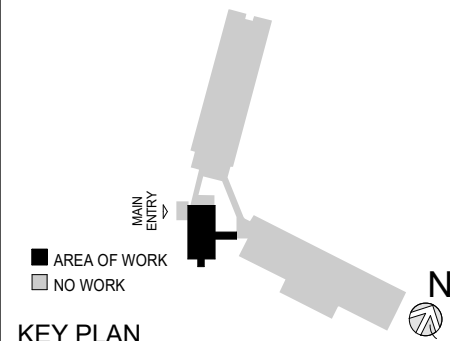
**KG+D** listen imagine build  
**KG+D . ARCHITECTS PC**  
285 MAIN STREET MOUNT KISCO . NEW YORK . 10549  
P:914.666.5900 KGDARCHITECTS.COM

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NY SED PROJECT CONTROL NO.

66-23-00-01-0-008-011

## CONSTRUCTION DOCUMENTS



### KEY PLAN

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Professional Seal

3	2022-10-12	ISSUE FOR REBID
2	2022-07-12	ISSUE FOR BID
1	2022-03-24	CONSTRUCTION DOCUMENTS

No.	Date	Issue
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Sheet Title

## POWER PLAN

Job No. 2021-1048 Date 09/10/2021

Scale AS NOTED Drawn / Checked Author Checker

Sheet Number

**E301**

**FIRE ALARM RISER GENERAL NOTES:**

1. FIRE ALARM WIRING DIAGRAMS SHOWN ARE FOR GENERAL ARRANGEMENT ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY AND OBTAIN POINT TO POINT WIRING DIAGRAM PRIOR TO INSTALLATION FROM MANUFACTURER.
2. PERMITS AND APPROVALS NECESSARY FOR INSTALLATION OF THE WORK SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF THE WORK. ALL PERMIT COSTS AND INSPECTION FEES SHALL BE INCLUDED AS PART OF THIS CONTRACT.
3. IN AREAS WHERE DUST AND DIRT WILL BE AIRBORNE DURING DEMOLITION AND CONSTRUCTION THE CONTRACTOR SHALL PROVIDE PLASTIC WRAP OVER SMOKE DETECTORS AND THEN REMOVE ONCE SPACE IS CLEAN.
4. UNLESS DIRECTED OTHERWISE BY FIRE ALARM SYSTEM MANUFACTURER FIRE ALARM DEVICE WIRING SHALL BE AS FOLLOWS (FOR BIDDING PURPOSES ONLY):

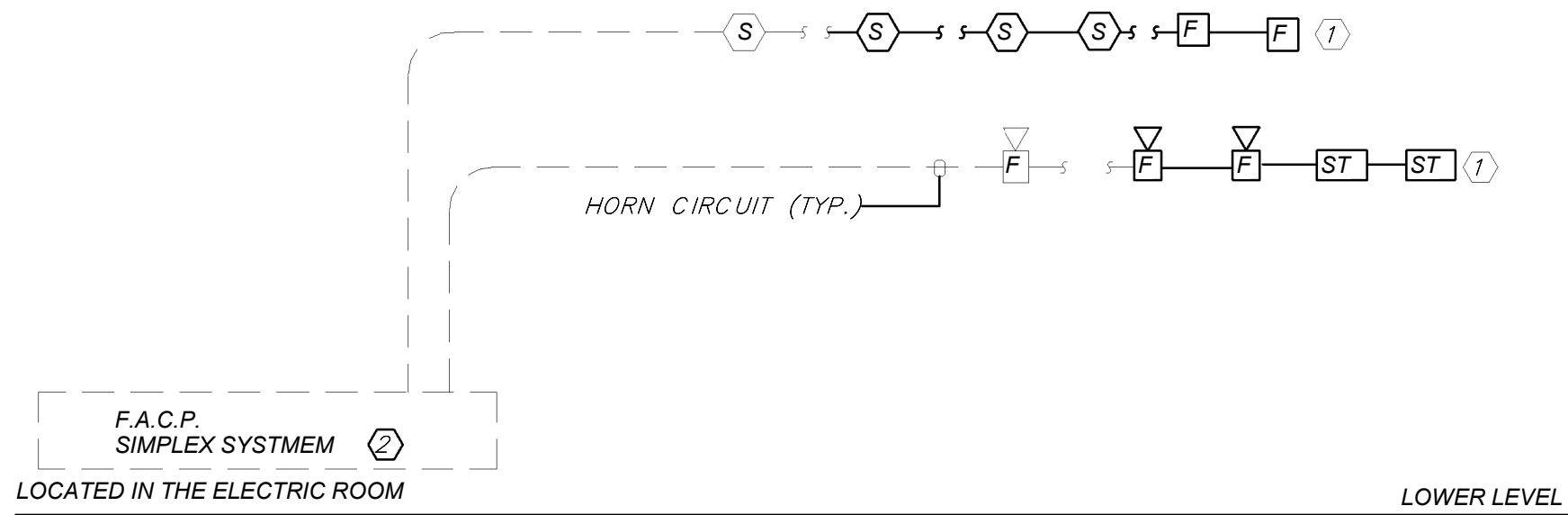
HORN WIRING - #16 AWG TWISTED  
STROBE WIRING - #14 AWG TWISTED  
SIGNAL WIRING - #14 AWG TWISTED/SHIELDED

THE WIRING SHALL HAVE THE FOLLOWING CHARACTERISTICS:

- A. A MINIMUM TEMPERATURE RATING OF 150 C
- B. A MINIMUM AVERAGE INSULATION THICKNESS OF 15 MILS
- C. A MINIMUM AVERAGE JACKET THICKNESS OF 25 MILS
- D. THE COLOR OF THE CABLE SHALL BE RED
- E. THE CABLE SHALL BE A TYPE FPLP (PLENUM TYPE) WHEN CONDUIT IS USED. SEE NOTE 5 FOR ADDITIONAL CLARIFICATION.
- F. THE CABLE SHALL BE VISIBLY MARKED EXTERNALLY THAT IT MEETS THE ABOVE REQUIREMENTS AND IS LISTED BY UL.

CONFIRM WIRING TYPE AND QUANTITY WITH FIRE ALARM SYSTEM MANUFACTURER PRIOR TO PURCHASING.

5. PROVIDE MC FIRE ALARM CABLE WITH RED STRIPE AS MANUFACTURED BY AFC SERIES 1800 WHEN CABLE IS CONCEALED OR ABOVE HUNG CEILING. WHEN FIRE ALARM CABLE IS RUN EXPOSED IN FINISHED AREAS, CABLE SHALL RUN IN WIREMOLD V-700. WHEN FIRE ALARM CABLE IS RUN EXPOSED IN UNFINISHED AREAS, PROVIDE PLENUM RATED CABLE IN MIN. 3/4" CONDUIT.
6. STROBES SHALL HAVE A MINIMUM LIGHT OUTPUT OF 75 CANDELA AND A FLASH RATE OF 1-3 HZ.
7. PER NFPA72-18.4.3.1, TO MEET PUBLIC MODE AUDIBLE REQUIREMENTS, ALL HORNS SHALL HAVE A SOUND LEVEL AT LEAST 15 dB ABOVE THE AVERAGE AMBIENT SOUND LEVEL.
8. WALL MOUNTED HORN STROBE UNITS SHALL NOT HAVE ANY OTHER DEVICES OR APPURTENANCES WITHIN 5 FEET OF THE DEVICE. THE ENTIRE LEYS OF THE UNIT SHALL NOT BE LESS THAN 80", AND NOT GREATER THAN 84" ABOVE FINISHED FLOOR, WHILE MAINTAINING 6" BELOW THE CEILING. DEVICES SHALL BE FLUSH MOUNTED IN ALL FINISHED AREAS. PROVIDE DOUBLE DEEP DEVICE BOX IN WALL.
9. AFTER THE SYSTEM IS COMPLETE, TEST ALL COMPONENTS IN ACCORDANCE WITH SEQUENCE OF OPERATION PRIOR TO FIRE DEPARTMENT INSPECTION.
10. ALL PULL STATIONS SHALL BE PROVIDED WITH CLEAR PROTECTIVE LEXAN COVER. COVER SHALL BE AS MANUFACTURED BY SAFETY TECHNOLOGY INTERNATIONAL INC. CAT. #STI 1100 STOPPER II.
11. COORDINATE F.A WORK WITH F.A VENDOR.
12. VERIFY EXACT QUANTITIES OF FIRE ALARM DEVICES WITH PLANS.
13. ALL DEVICES SHALL BE SUPERVISED AS PER N.F.P.A. 72. PROVIDE END OF LINE RESISTORS AS REQUIRED PER INDIVIDUAL MANUFACTURER. PROVIDE LOAD RELAYS AS REQUIRED FOR PROPER OPERATION OF EQUIPMENT.
14. THIS CONTRACTOR IS RESPONSIBLE FOR ALL PROGRAMMING AND MAPPING OF EACH DEVICE AS REQUIRED.

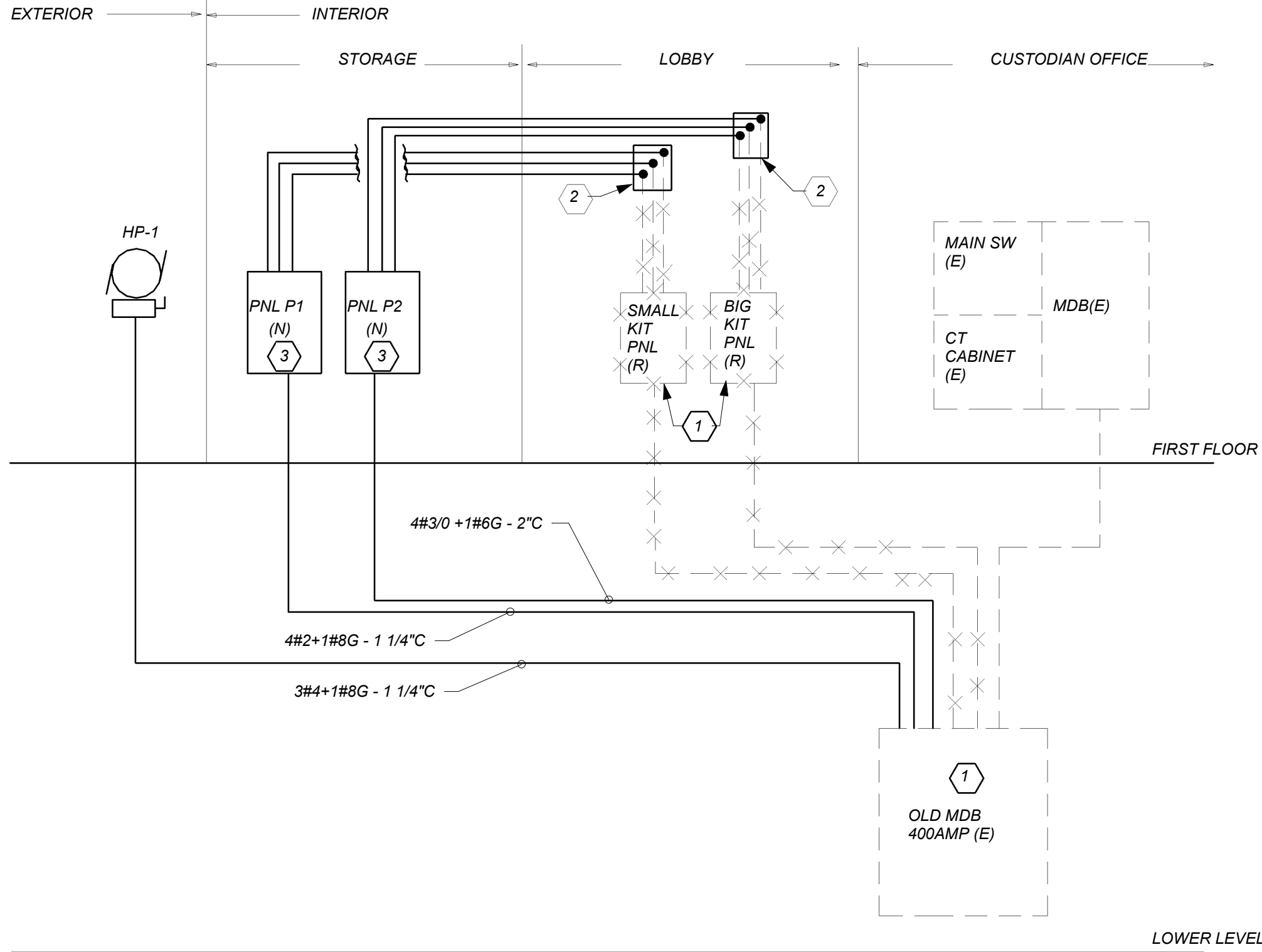


**FIRE ALARM RISER DIAGRAM**  
(NEW WORK)

2  
E501  
NTS

**FIRE ALARM RISER WORK NOTES:**

1. CONNECT NEW FIRE ALARM DEVICES TO NEAREST EXISTING FIRE ALARM DEVICE CIRCUIT. PROVIDE ALL REQUIRED RELAYS, MODULES, WIRING, ETC., AS NEEDED. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
2. PROVIDE ALL RELAYS, POWER SUPPLIES, WIRING, ETC. AS REQUIRED FOR COMPLETE INSTALLATION. COORDINATE F.A WORK WITH EXISTING BASE BUILDING FA VENDOR.



**POWER RISER DIAGRAM**

1  
E501  
NTS

**WORK NOTES:**

1. REMOVE FEEDERS AND EXISTING PANELBOARDS LOCATED IN THE LOBBY BACK TO OLD MDB. RE USE EXISNTNG BRAKERS TO RUN NEW FEEDERS NEW PANELBOARDS. PROVIDE ALL NECESSARY ACCESORIES AS NEEDED.
2. EXTEND ALL THE EXISTING TO REMAIN BRANCH CIRCUITS TO NEW PANEL BOAD PROVIDE NEW SPLICE BOX AT CEILING TO EXTEND ALL EXISTING ACTIVE CIRCUITS REMAINING AFTER DEMOLITION OF PANELBOARD. PROVIDE ALL REQUIRED AND NECESSARY ACCESSORIES.
3. PROVIDE NEW 120/208V PANELBOARD, FOR PANEL SIZE, TYPE AND CIRCUIT BREAKER ARRANGEMENT REFER TO PANEL SCHEDULE FOR ADDITIONAL INFORMATION. PROVIDE ALL NECESSARY ACCESORIES

**LIGHTING FIXTURE SCHEDULE**

TYPE	MOUNTING	LAMPS	DESCRIPTION	MANUFACTURER & CAT.#
A	RECESSED	16 WATTS LED UNV	3.5" LOW PROFILE TRIMLESS LED DOWN LIGHT 1300 LUMENS, 0-10V DIMMING CLEAR DIFFUSE COLOR TEMP 3500K WITH WHITE FLANGE	FOCAL POINT #FLC33D-SDO-SW-1300L-UNV-LD1-T TRIM-LC33-SDO-SW-1300L-35K-DNS-FL2-CD-WH
A EMB	RECESSED	16 WATTS LED UNV	SAME AS TYPE "A" WITH EMERGENCY BATTERY BACK UP	FOCAL POINT #FLC33D-SDO-SW-1300L-UNV-LD1-T-EMR TRIM-LC33-SDO-SW-1300L-35K-DNS-FL2-CD
A1	RECESSED	16 WATTS LED UNV	3.5" LOW PROFILE TRIMLESS LED DOWN LIGHT 1300 LUMENS, 0-10V DIMMING CLEAR DIFFUSE COLOR TEMP 3500K WITH BLACK FLANGE	FOCAL POINT #FLC33D-SDO-SW-1300L-UNV-LD1-T TRIM-LC33-SDO-SW-1300L-35K-DNS-FL2-CD-BK
A1 EMB	RECESSED	16 WATTS LED UNV	SAME AS TYPE "A1" WITH EMERGENCY BATTERY BACK UP	FOCAL POINT #FLC33D-SDO-SW-1300L-UNV-LD1-T-EMR TRIM-LC33-SDO-SW-1300L-35K-DNS-FL2-CD
B	RECESSED	5 W/FT LED UNV	1.5" LINEAR DIRECT LED 350 LUMEN PER FT, 35K COLOR TEMP, 0-10V DIMMING, LENGHT AS PER FLOOR PLAN	FOCAL POINT #FSMTD-FL-PS06-350L-1C-UNV-LD1-BK
B EMB	RECESSED	5 W/FT LED UNV	SAME AS TYPE "B" WITH EMERGENCY BATTERY BACK UP	FOCAL POINT #FSMTD-FL-PSE-350L-35K-1C-UNV-LD1-EM-BK
C	RECESSED	4.5W/FT LED UNV	LOW PROFILE LED WALL WASH 35K COLOR TEMP, 450 LUMENS PER FOOT, 0-10V DIMMING.	FOCAL POINT #FWSL-450L-35K-1C-120-LD1-U-WH-6FT
D	RECESSED	23 WATTS LED UNV	2'X2' FLUX LED PANEL 3000 LUMES, 3500K COLOR TEMP, 0-10V DIMMING	DAY-BRITE #2-FPZ-30L-835-2-DS-UNV-DIM
D EMB	RECESSED	23 WATTS LED UNV	SAME AS TYPE "D" WITH EMERGENCY BATTERY BACK UP	DAY-BRITE #2-FPZ-30L-835-2-DS-UNV-DIM-BSL10LST
E	WALL MOUNT	14 WATTS LED UNV	24" SCONCE INDOOR WALL MOUNT, 3500K COLOR TEMP	OCL LIGHTING #UA1-S1SA-24-LED1-35K-UNV
	CEILING /WALL MOUNT	1-5W LED UNV.	LED EXIT LIGHTS, STEEL HOUSING, NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED ON PLANS. SELF POWERED MODEL WITH 90 MINUTE BATTERY.	ENCORE LIGHTING #LSE-6-R-1/U

BEFORE FABRICATION THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB AND COORDINATE HIS WORK WITH THE WORK OF ALL THE OTHER CONTRACTORS

**PROFESSIONAL DEVELOPMENT CENTER**

NYACK UFSD

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NYACK, NY 10960

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**KG+D . ARCHITECTS PC**

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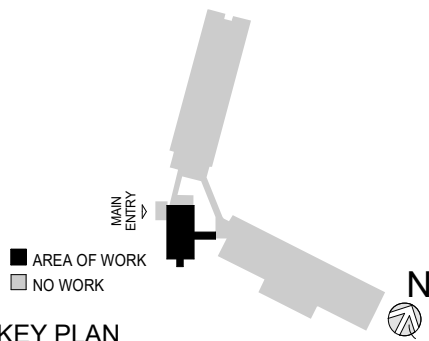
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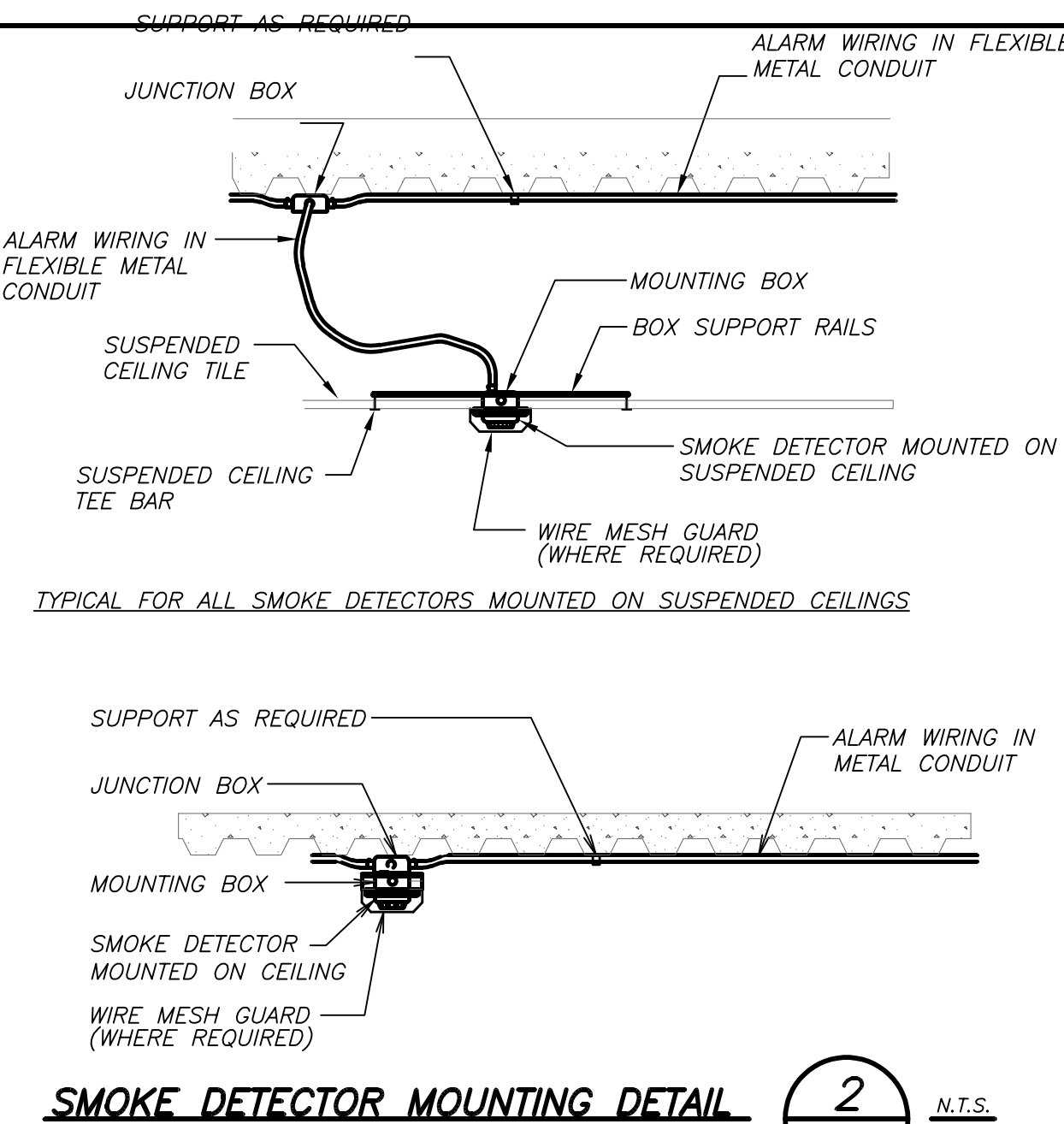
Sheet Title

**RISERS**

Job No.	2021-1048	Date	09/10/2021
Scale	AS NOTED	Drawn / Checked	Author Checker

Sheet Number

**E501**



NEW

ELECTRICAL PANEL SCHEDULE

PNL: P-2

208Y120, 3 PHASE, 4 WIRE

22 ,000MIN A.I.C. SYM

NEUTRAL: 100%

MOUNTING: SURFACE

(NEMA 1) FLUSH X

IN MCC

MAIN LUGS ONLY

DOUBLE LUGS

FEED THRU LUGS

SHUNT TRIP MAIN

MAIN C BKR-

200A/3P

MAIN BUS -

200 A

GROUND BUS: X

ISOLATED GROUND BUS:

TVSS:

NUMBER OF POLES: 54

CKT

TRIP

LOAD

WIRE

CND.

KVA / PHASE

WIRE

CND.

LOAD

TRIP

CKT

No.

(AMP)

(IN.)

A

B

C

A

B

C

(IN.)

(AMP)

No.

1

20

HAND DRYER

2#12#H12G

3/4

1.40

0.50

3/4

2#12#H12G

MICROWAVE

20

2

3

20

AUTO FAUCET

2#12#H12G

3/4

0.20

0.20

3/4

2#12#H12G

AUTO FLUSH

20

4

5

20

HAND DRYER

2#12#H12G

3/4

-

EXIST

EXISTING LOAD

20

6

7

20

AUTO FAUCET

2#12#H12G

3/4

0.20

-

-

SPARE

20

8

9

20

PANTRY RECP

2#12#H12G

3/4

0.20

-

-

SPARE

20

10

11

3

EXIST

0.20

3/4

2#12#H12G

MOTARISED SCREEN

20

12

13

EXISTING LOAD

EXIST

EXIST

SPARE

20

14

15

40

EXIST

EXIST

SPARE

20

16

17

3

EXIST

EXIST

3

18

19

EXISTING LOAD

EXIST

EXIST

EXISTING LOAD

20

20

21

20

EXIST

EXIST

20

22

23

3

EXIST

EXIST

20

24

25

EXISTING LOAD

EXIST

EXIST

EXISTING LOAD

20

26

27

20

EXIST

EXIST

20

28

29

20

CONV RECEP

2#12#H12G

3/4

0.72

0.72

3/4

2#12#H12G

CONV RECEP

20

30

31

20

SPARE

-

-

0.54

3/4

2#12#H12G

STORGE

20

32

33

20

DATA RACK

2#12#H12G

0

1.00

1.00

3/4

2#12#H12G

DATA RACK

20

34

35

20

REFRIGERATOR

2#12#H12G

3/4

0.50

-

-

SPARE

20

36

37

20

SPARE

-

-

0.50

3/4

2#12#H12G

PANTRY GFI

20

38

39

20

GFI BATHROOM

2#12#H12G

3/4

0.50

0.50

3/4

2#12#H12G

GFI BATHROOM

20

40

41

20

CORR RECEP

2#12#H12G

3/4

0.20

0.80

3/4

2#12#H12G

LIGHTING

20

42

43

20

LIGHTING

2#12#H12G

3/4

0.60

0.50

3/4

2#12#H12G

LIGHTING

20

44

45

20

PROJECTOR

2#12#H12G

3/4

1.00

1.00

3/4

2#12#H12G

PRINTER

20

46

47

20

SPARE

-

-

0.50

3/4

2#12#H12G

DISPAY TV

20

48

49

2

0.20

0.20

3/4

2#12#H12G

CH-A

20

50

51

20

EF-1

2#12#H12G

3/4

0.20

0.20

3/4

2#12#H12G

UH-A

20

52

53

20

SPARE

-

-

0.50

3/4

2#12#H12G

DISPAY TV

20

54

SUBTOTALS

4.6 KVA PHASE A

6.0 KVA PHASE B

4.1 KVA PHASE C

TOTAL CONN. LOAD

14.8 KVA 41.0 A

TOTAL DEMAND LOAD

14.8 KVA 41.0 A

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