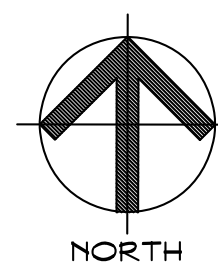


# Hebron Elementary School Contaminated Water Piping Replacement

92 Church Street  
Hebron, Connecticut 06248



**SITE LOCATION MAP**  
SCALE: NONE



## DRAWING LIST

SHEET NO.	SHEET TITLE
GENERAL	
	COVER SHEET
GOO1	NOTES, LEGENDS, WALL TYPES & CODE INFORMATION
ARCHITECTURAL	
A100	MAIN FLOOR PLAN
A101	ENLARGED FLOOR PLANS & NOTES
A102	DETAILS & INTERIOR ELEVATIONS
A103	FINISH SCHEDULE & DETAILS
PLUMBING	
POO1	PLUMBING COVER SHEET
P100	OVERALL PLUMBING DEMOLITION PLAN
P101	ENLARGED PARTIAL SUPPLY PLAN - AREA 'A'
P102	ENLARGED PARTIAL SUPPLY PLAN - AREA 'B'
P103	ENLARGED PARTIAL SUPPLY PLAN - AREA 'C'
P104	ENLARGED PARTIAL SUPPLY PLAN - AREA 'D'
P105	ENLARGED PARTIAL SUPPLY PLAN - AREA 'E'
P106	ENLARGED PARTIAL SUPPLY PLAN - AREA 'F'
P107	ENLARGED PARTIAL SUPPLY PLAN - AREA 'G'
P108	ENLARGED PARTIAL SUPPLY PLAN - AREA 'H'
P201	SUPPLY ISOMETRIC AREAS A & B
P202	SUPPLY ISOMETRIC AREAS C & D
P203	SUPPLY ISOMETRIC AREAS E & F
P204	SUPPLY ISOMETRIC AREAS G, TUNNEL & BASEMENT
P801	PLUMBING DETAILS
P802	PLUMBING DETAILS
P901	PLUMBING SCHEDULES
ELECTRICAL	
E101	ELECTRICAL PARTIAL POWER PLANS



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State Project Number: 067-0042 CV

August 16, 2019

Issued For Bid: October 1, 2019

**GENERAL NOTES**

- PROVIDE THE WORK IN ACCORDANCE WITH THE DIVISION 01 REQUIREMENTS OF THE PROJECT MANUAL.
- DO NOT SCALE OR MEASURE ANY DRAWING. REFER TO DIMENSIONS AND NOTES ON DRAWINGS TO LOCATE WALLS AND CONSTRUCTION ITEMS. VERIFY THE FIGURES AND DIMENSIONS SHOWN ON THE DRAWINGS BEFORE STARTING ANY LAYOUT OF THE WORK.
- REPORT ANY ERRORS, INACCURACIES, MISSING DIMENSIONAL REQUIREMENTS, OR CONFLICTS TO THE ARCHITECT IMMEDIATELY AND IN WRITING BEFORE BEGINNING ANY WORK.
- WORK SHALL COMPLY WITH ALL APPLICABLE STATE AND LOCAL CODES, LAWS AND STATUTES AS REQUIRED. STRICTLY ADHERE TO MANUFACTURERS' PRINTED INSTRUCTIONS.
- REFER TO PLANS AND FLOOR/CEILING ASSEMBLIES FOR PARTITIONS REQUIRED TO HAVE FIRE RESISTANT RATINGS.
- REFER TO FURNITURE/EQUIPMENT PLANS FOR EQUIPMENT, FURNITURE AND FURNITURE ACCESSORY LOCATIONS. FURNITURE TO BE FURNISHED & INSTALLED BY OWNER UNLESS SPECIFIED OTHERWISE IN THE PROJECT MANUAL & IS NOT A PART OF THIS CONTRACT.
- LOCATION OF STAGING AREAS, VEHICULAR AND PEDESTRIAN ACCESS TO THE SITE AND CONTRACTOR PARKING SHALL BE FINALIZED DURING THE PRE-CONSTRUCTION MEETING. BUILDING AND SITE CHECK-IN PROCEDURES FOR CONSTRUCTION PERSONNEL WILL BE ADDRESSED AT THAT TIME.
- PROVIDE ALL NECESSARY BARRIERS AND STRUCTURES REQUIRED TO KEEP THE CONSTRUCTION AREA FREE FROM UNAUTHORIZED VISITORS.
- VERIFY THE LOCATIONS OF ALL EXISTING CONSTRUCTION INCLUDING EXISTING UTILITIES, BUILDINGS, SITE IMPROVEMENTS, TREES ETC. AT THE JOB SITE. NOTIFY THE ARCHITECT IMMEDIATELY FOR CLARIFICATION IF ANY EXISTING CONDITIONS CONFLICT WITH THE DESIGN INTENT SHOWN ON THESE DRAWINGS.
- DISPOSE OF ALL UNWANTED MATERIALS AND OTHER DEBRIS OFF SITE AS REQUIRED IN A LEGAL MANNER.
- VERIFY IN WRITING AND RECEIVE WRITTEN AUTHORIZATION FROM THE ARCHITECT PRIOR TO COMMENCEMENT OF ANY CHANGES TO THE WORK.
- DIMENSIONS SHOWN ON ARCHITECTURAL FLOOR PLANS AND ENLARGED PLAN DETAILS ARE TO FACE OF FINISH FACE OF MASONRY, FACE OF CONCRETE, OR TO THE CENTERLINE OF COLUMN UNLESS NOTED OTHERWISE.
- INSTALL ADDITIONAL NONCOMBUSTIBLE, CONCEALED HORIZONTAL AND/OR VERTICAL BLOCKING AND STRAPPIES AS REQUIRED WITH STUD AND JOIST SPACES FOR THE SECURE ANCHORAGE OF ALL ITEMS TO BE MOUNTED ON FLOOR, WALL AND CEILING SURFACES. COORDINATE THE REQUIRED BLOCKING WITH THE ACTUAL ITEMS SELECTED. REFER TO ARCHITECTURAL MILLWORK, FURNITURE/EQUIPMENT, M.E.P./P.P. DRAWINGS FOR ALL ITEMS TO BE WALL/CEILING/FLOOR MOUNTED. ALL WOOD BLOCKING FRAMING MEMBERS, STUDS, PLYWOOD SHEATHING, ETC. SHALL BE FIRE RETARDANT TREATED PER 2015 IBC/2016 CT, SECTION 603.1.
- COORDINATE THE DIMENSIONS FOR FRAMED OPENINGS FOR ALL BUILT-IN ITEMS, INCLUDING EQUIPMENT AND FIXTURES, CASEWORK AND ACCESSORIES, ETC. BASED ON THE ACTUAL ITEMS SELECTED BEFORE INSTALLATION.
- SECTIONS, DETAILS, NOTES, DIMENSIONS AND CONDITIONS ARE APPLICABLE AT OTHER LOCATIONS WHERE CONDITIONS AND DETAILS ARE SIMILAR BUT NOT SPECIFICALLY NOTED AS SUCH OR ARE NOT SHOWN.
- FIRESTOPPING MUST CONSIST OF APPROVED NONCOMBUSTIBLE MATERIALS SECURELY FASTENED IN PLACE.
- LOCATIONS FOR REQUIRED FIRESTOPPING WILL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING AREAS:
  - IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, AT THE CEILING AND FLOOR OR ROOF LEVELS.
  - AT CONCEALED SPACES BETWEEN STAIRWAY STRINGERS AT THE TOP AND BOTTOM OF THE RUN.
  - AT OPENINGS AROUND ELEMENTS PENETRATING FIRE RESISTIVE CONSTRUCTION.
  - IN THE SPACES BEHIND COMBUSTIBLE TRIM AND FINISH AND ALL OTHER HOLLOW SPACES WHERE PERMITTED IN FIRE RESISTANCE RATED CONSTRUCTION AT TEN FOOT INTERVALS, OR THE SPACE SHALL BE SOLIDLY FILLED WITH NONCOMBUSTIBLE MATERIALS.
- WHERE DIFFERENT FLOOR TYPES MEET AND NO SADDLE IS INDICATED, PROVIDE ADA-COMPLIANT TRANSITION TRIM SUITABLE FOR FLOORING MATERIALS AND LOCATE THE TRANSITION DIRECTLY BELOW THE CENTER OF THE DOOR.
- MATERIALS & EQUIPMENT ARE NEW UNLESS OTHERWISE NOTED AS 'EXISTING'.
- EXISTING UTILITIES & EQUIPMENT LOCATIONS ARE APPROXIMATE - CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS IN FIELD.
- CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY ITEMS & EQUIPMENT DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- RATED DOORS & DOOR FRONTS & CORRIDOR SHALL HAVE POSITIVE LATCHING LOCKSETS UNLESS OTHERWISE INDICATED ON DOOR SCHEDULE.
- PROVIDE TACTILE WARNING AT DOORS LEADING TO HAZARDOUS AREAS.
- PROVIDE PANIC EXIT DEVICES AT DOORS WITH AN EXIT CAPACITY OF 50 PERSONS OR MORE.
- PROVIDE ADA ACCESSIBLE DOOR HARDWARE AT ALL ACCESSIBLE MEANS OF EGRESS TO COMPLY WITH UNIFORM FEDERAL ACCESSIBILITY STANDARDS.
- USE OF THE SCHOOL PASSENGER ELEVATORS FOR CONSTRUCTION ACTIVITIES IS PROHIBITED.

**ARCHITECTURAL ABBREVIATION LIST**

ABBREV	ABBREVIATION(S)	DSC	DOWNSPOUT SCUPPER DRAWING(S)	JAN	WALLBOARD JANITOR	REIN	REINFORCE(D)ING
ABV	ABOVE	DWG	DRAWING(S)	JT	JOINT	REV	REVISED(D)ION
ACMU	ACOUSTICAL CMU	EA	EACH	LBL	LABEL	RES	RESILIENT
ACP	ACOUSTICAL CEILING PANEL	EF	EXHAUST FAN	LAV	LAVATORY	REQ REQD	REQUIRE(D)
ACT	ACOUSTICAL CEILING TILE	EJ, EXP JT	EXPANSION JOINT	LL	LIVE LOAD	RH	RIGHT HAND
ACPVLL	VINYL LAMINATE ACOUSTICAL CEILING PANEL	ELEC	ELECTRICAL	LKR	LOCKER(S)	RM	ROOM
ACU A/C	AIR CONDITIONING UNIT	ELEV	ELEVATION(S)	LLV	LONG LEG VERTICAL	RO	ROUGH OPENING
ADD	ADDITIONAL	EQ	EQUAL	LLV	LONG LEG VERTICAL	RT	RESILIENT TILE
A/E	ARCHITECT/ENGINEER	EQUIP	EQUIPMENT	MAINT	MAINTENANCE	SAN	SANITARY
AFPP	ABOVE FINISHED FLOOR	EW	ELECTRIC WATER COOLER	MANUF, MFR	MANUFACTURE(R)(D)	SCHED	SCHEDULE
AHU	AIR HANDLING UNIT	EW-C	ELECTRIC WATER COOLER - HANDICAP/ACCESSIBLE	MAT	MATERIAL(S)	SD	SOAP DISPENSER
ALUM	ALUMINUM	EXIST	EXISTING	MAX	MAXIMUM	SF	SQUARE FEET
APPROX	APPROXIMATELY	EXP	EXPOSED	MECH	MECHANICAL	SFM	SANITARY FORCE MAIN SHEET
ARCH	ARCHITECTURE(URAL)	FD	FLOOR DRAIN	MEMB	MEMBRANE	SHT	SHEET
ARGWB	ABUSE RESISTANT GYPSUM WALLBOARD	FE	FIRE EXTINGUISHER CABINET	MET, MTL	METAL	SM	SIMILAR
ASSY	ASSEMBLY	FFL	FINISH FLOOR LINE	MDO	MEDIUM DENSITY OVERLAY	SPEC	SPECIFICATION(S)
AUTO	AUTOMATIC	FF	FINISH FLOOR	MIR	MIRROR	SQ	SQUARE
BD	BOARD	FH	FIRE HYDRANT	MISC	MISCELLANEOUS	SS	STAINLESS STEEL
BIT	BITUMINOUS	FIN	FINISHED	NO	MASONRY OPENING	STD	STUD
BLDG	BUILDING	FIXT	FIXTURE(S)	MTD	MOUNTED	STL	STEEL
BLK, BLKG	BLOCKING	FLUOR	FLUORESCENT	MWP	METAL WALL PANEL	STOR	STORAGE
BM	BENCH MARK	FURR	FURRING	N/A	NOT APPLICABLE	STRUCT	STRUCTURE(AL)
BO	BOTTOM OF	FLX	FLEXIBLE	NC	NOT IN CONTRACT	SUSP	SUSPENDED
CAB	CABINET	FLR	FLOOR	NO, #	NUMBER	SYM	SYMMETRY(CAL)
CB	CATCH BASIN	FFE	FINISH FLOOR ELEVATION	NOM	NOMINAL	SYS	SYSTEM
CAC	COMMON ACCESS CARD	FFEE	FURNITURE, FIXTURES & EQUIPMENT	NRC	NOISE REDUCTION COEFFICIENT	TAG, TEG	TONGUE AND GROOVE
CBU	CEMENTITIOUS BACKER UNIT	FO	FACE OF	NTS	NOT TO SCALE	TB	TOWEL BAR
CIR	CIRCLE	FT, FTG	FOOTING, FEET	OC	ON CENTER	TEL	TELEPHONE
CER	CERAMIC	FRP	FIBERGLASS REINF, PLASTIC	OD	OUTSIDE DIAMETER	TOS	TOP OF STEEL
CIP	CAST IN PLACE	FRT	FIRE-RETARDANT TREATED	OH	OVERHEAD	TPD	TOILET PAPER DISPENSER
CHEM	CHEMICAL	GA	GAGE, GAUGE	OPER	OPERATOR	TS	TUBE STEEL
CJ	CONTROL/CONSTRUCTION JOINT	GALV	GALVANIZED	OPH	OPPOSITE HAND	TYP	TYPICAL
CL	CLOSET	GL	GLASS, GLAZE(D)ING	OPP	OPPOSITE	UG	UNDERGROUND
CLG	CENTERLINE	GB	GRAB BAR	OS	OVERFLOW SCUPPER	UL	UNDERWRITERS LABORATORIES UNFINISHED
CLR	CLEAR	GBW	GYPSUM WALL BOARD	PFB	PRE-FABRICATED	UNF	UNLESS OTHERWISE NOTED
CMU	CONCRETE MASONRY UNIT	GYP	GYPSUM	PEJ	PERFORMED EXPANSION JOINT	UON	UNLESS OTHERWISE NOTED
COL	COLUMN	HDPE	HIGH DENSITY POLYETHYLENE	PL	PLATE	VCT	VINYL COMPOSITION TILE
CONC	CONCRETE	HDWR	HARDWARE	PLAM	PLASTIC LAMINATE	VERT	VERTICAL
CONC	CONCRETE	HGT, HT	HEIGHT	PLYWD	PLYWOOD	VEST	VESTIBULE
CONT	CONTINUE(US)	HORIZ	HORIZONTAL	POL	PETROLEUM, OIL & LUBRICATION	VIF	VERIFY IN FIELD
CORR	CORRIDOR	HP	HIGH POINT	PRT	PORCELAIN TILE	VIF	VERIFY IN FIELD
CPT	CARPET	HR	HOUR	PT	PRESSURE TREATED	VWF	VINYL WALL COVERING
CT	CERAMIC TILE	HVAC	HEATING, VENTILATION & AIR CONDITIONING	PREFAB	PRE-FABRICATED	W/	WITH
CT	CEMENTITIOUS BACKER UNIT	ID	INSIDE DIAMETER	PREFIN	PRE-FINISHED	WD	WOOD
DEMO	DEMOLISH DEMOLITION	INFO	INFORMATION	PTD	PAINTED	WH, WHS	WAREHOUSE
DET, DTL	DETAIL	INFL	INFILTRATION	RA	RETURN AIR	WIN	WINDOW
DIA	DIAMETER	INSUL	INSULATE(D)ION	RAD	RADIUS	W/O	WITHOUT
DIAG	DIAGONAL	INT	INTERIOR	RD	ROOF DRAIN	WPT	WORK POINT
DIM/DIMS	DIMENSION(S)	IAW	IN ACCORDANCE WITH	REC	RECESSED	WRGWB	WATER RESISTANT GYPSUM WALLBOARD
DISP	DISPENSER	INV	INVERT	REF	REFERENCE	WWF	WELDED WIRE FABRIC
DN	DOWN	IR	IMPACT RESISTANT				
DS	DOWNSPOUT	IRGWB	IMPACT RESISTANT GYPSUM				

**SYMBOLS LEGEND**

- ELEVATION/BULLET
- KEY NOTE TAG
- WALL/PARTITION TYPE IDENTIFICATION
- DOOR IDENTIFICATION TAG
- CEILING HEIGHT TAG
- TOILET ACCESSORY IDENTIFICATION TAG
- COLUMN GRID TAG
- DETAIL TAG
- SECTION TAG
- INTERIOR ELEVATION TAG
- REVISION TAG/REVISION CLOUD
- OFFICE ROOM NAME/NUMBER IDENTIFICATION TAG

**HATCH PATTERNS**

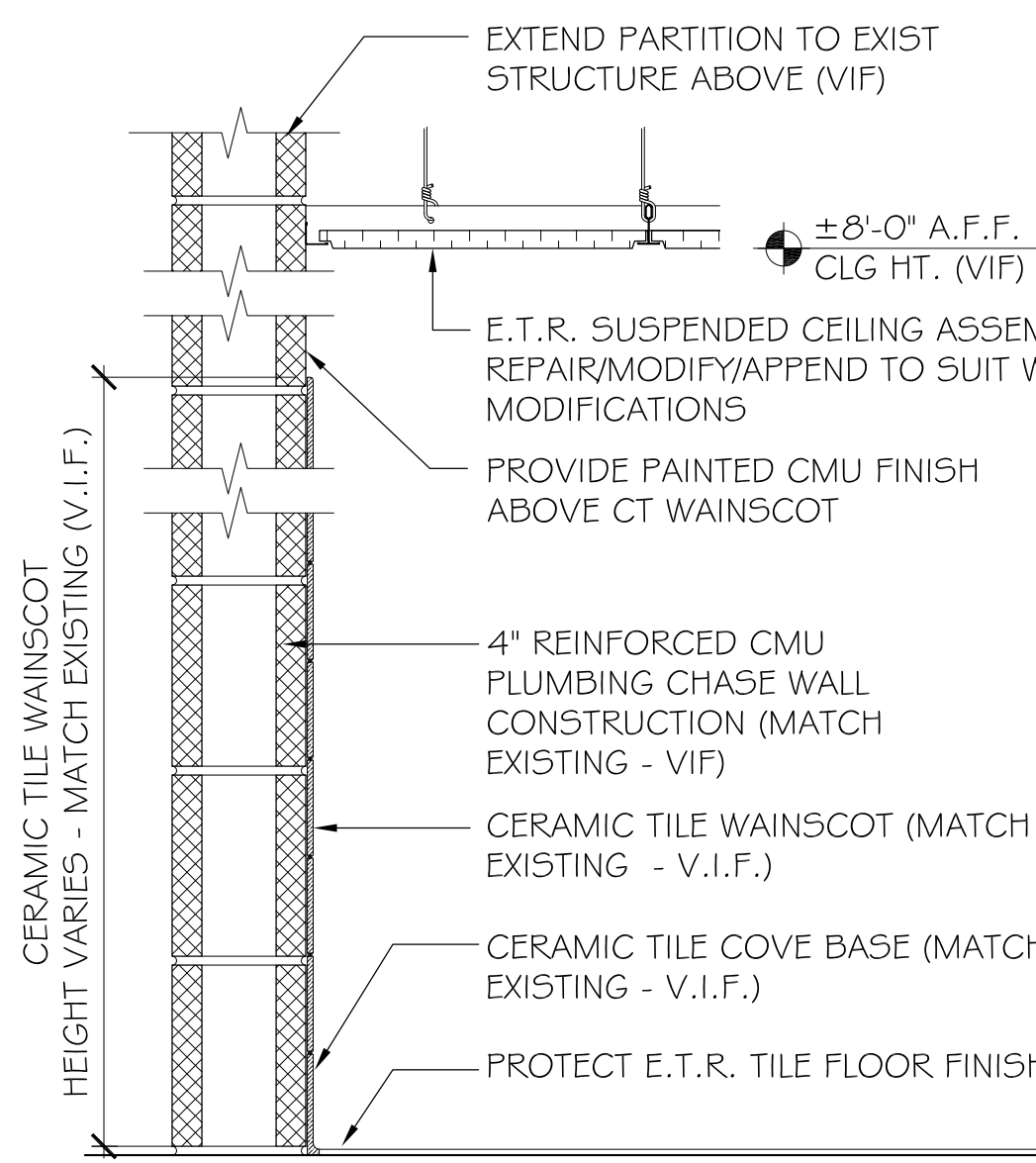
- CONCRETE MASONRY UNIT
- CONCRETE
- BRICK
- METAL
- GRATING
- SIDING AND/OR STANDING SEAM MTL ROOF SYSTEM
- ROUGH WOOD
- FINISHED WOOD
- PLYWOOD
- PLASTICS/POLYMERS
- RIGID/FOAM INSULATION
- BATT INSULATION
- GYPSUM BOARD AND/OR GRAVEL SURFACE
- POROUS FILL AND/OR GRAVEL
- UNDISTURBED SURROUNDING EARTH
- COMPACTED FILL

**CODE INFORMATION**

DATE OF ORIGINAL CONSTRUCTION	1943	
DATES OF ADDITIONS	1953, 1987, 1999	
<b>1. USE GROUP CLASSIFICATION</b>		
(Primary)	E-Educational	
(Incidental)	A3	
<b>2. CONSTRUCTION TYPE (Chapter 6)</b>		
Minimum Type Required	3B	
Actual Type Provided (new)	2B & 3B (N/A)	
<b>3. BUILDING HEIGHT (Chapter 5)</b>		
Allowable Height (story/feet)	2/30'-0"	
Actual Height (story/feet)	1/18'-0" +/-	
(Stories Above Grade)	1	
<b>4. BUILDING AREA (Chapter 5)</b>		
a) Building Area (Basement)		
Existing construction	2,440 sq.ft.	
New construction	0 sq.ft.	
Total floor	2,440 sq.ft.	
b) Building Area (1st Floor)		
Existing construction	60,455 sq.ft.	
New construction	0 sq.ft.	
Total floor	60,455 sq.ft.	
c) Building Area (2nd Floor)		
Existing construction	0 sq.ft.	
New construction	0 sq.ft.	
Total floor	0 sq.ft.	
d) Building Area (all floors)		
Existing construction	62,895 sq.ft.	
New construction	0 sq.ft.	
Total floor	62,895 sq.ft.	
<b>5. AREA MODIFICATIONS TO TABLE 503</b>	N/A	
<b>6. CASE 1 - SINGLE OCCUPANCY OR NONSEPARATED USES (302.3.1) (Allowable Area 506.4)</b>	N/A	
<b>7. CASE 2 - MIXED OCCUPANCY SEPARATED USES (302.3.2) (Allowable Area 506.4)</b>	N/A	
<b>8. FIRE-RESISTANCE RATED REQUIREMENTS FOR BUILDING ELEMENTS (Table 601. See Code Plans for specific designations)</b>		
1 Structural frame, including columns, girders, trusses	2B / 3B	Hr(s)
2 Bearing walls:		Hr(s)
Exterior	0 / 2	
Interior	0 / 0	
3 Nonbearing walls & partitions (Exterior) Table 602	0 / 0	Hr(s)
4 Nonbearing walls & partitions (Interior)	0 / 0	Hr(s)
5 Floor Construction (including supporting beams & joists)	0 / 0	Hr(s)
6 Roof Construction (including supporting beams & joists)	0 / 0	Hr(s)
<b>9. OCCUPANCY LOAD</b>	N/A	
<b>10. MODIFICATIONS</b>	Approved	Not Approved
N/A		
<b>11. ACCESSIBLE BUILDING</b>	X	Designated Non Designated
<b>13. SPRINKLER PROTECTION</b>	X	Entire Building Limited Area
<b>14. CODES TO WHICH THIS PROJECT WAS DESIGNED</b>		
State Building Code w/Supplement	2015 IEBC/2018 CT	
State Building Code w/Supplement	2018 CT	
State Fire Code w/Supplement	2015 IFC/2018 CSFSC	
State Fire Code w/Supplement	2018 CSFPC	
State Health Code	Most Current	
OSHA	Most Current	
Section 504	-	
ADA	ICC A117.9-2009	
<b>15. THRESHOLD BUILDING CONDITIONS</b>	Yes	No
		X
<b>16. TOTAL CONSTRUCTED BUILDING AREA</b>	63,234	sq.ft.
(measured to exterior face of exterior walls)		
<b>FIRE SAFETY CODE DATA:</b>		
1. CLASSIFICATION OF OCCUPANCY	E-Educational	
2. MINIMUM CONSTRUCTION REQUIRED	N/A	
ACTUAL CONSTRUCTION PROVIDED	3B & 2C	
3. NOTIFICATION / ALARMS	YES X	NO
4. DETECTION	YES X	NO
5. EXTINGUISHMENT REQUIREMENTS	YES X	NO
<b>MEANS OF EGRESS</b>		
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT USE	<b>FLOOR AREA IN S.F. PER OCCUPANT</b>	
1. CLASSROOMS	20 S.F. NET	
2. SHOPS & VOCATIONAL	50 S.F. NET	
3. ASSEMBLY		
WITHOUT FIXED SEATS	7 S.F. NET	
TABLES AND CHAIRS	15 S.F. NET	
4. LIBRARY	50 S.F. NET	
5. MECHANICAL AREAS	300 S.F. GROSS	
6. BUSINESS AREAS	100 S.F. GROSS	
MAXIMUM LENGTH OF EXIT TRAVEL		
1. I.B.C. TABLE 1015.1	750 feet	

**WALL LEGEND:**

- EXISTING TO REMAIN (V.I.F.)
- EXISTING TO BE REMOVED (V.I.F.)
- NEW WALL CONSTRUCTION (REFER TO WALL TYPES)

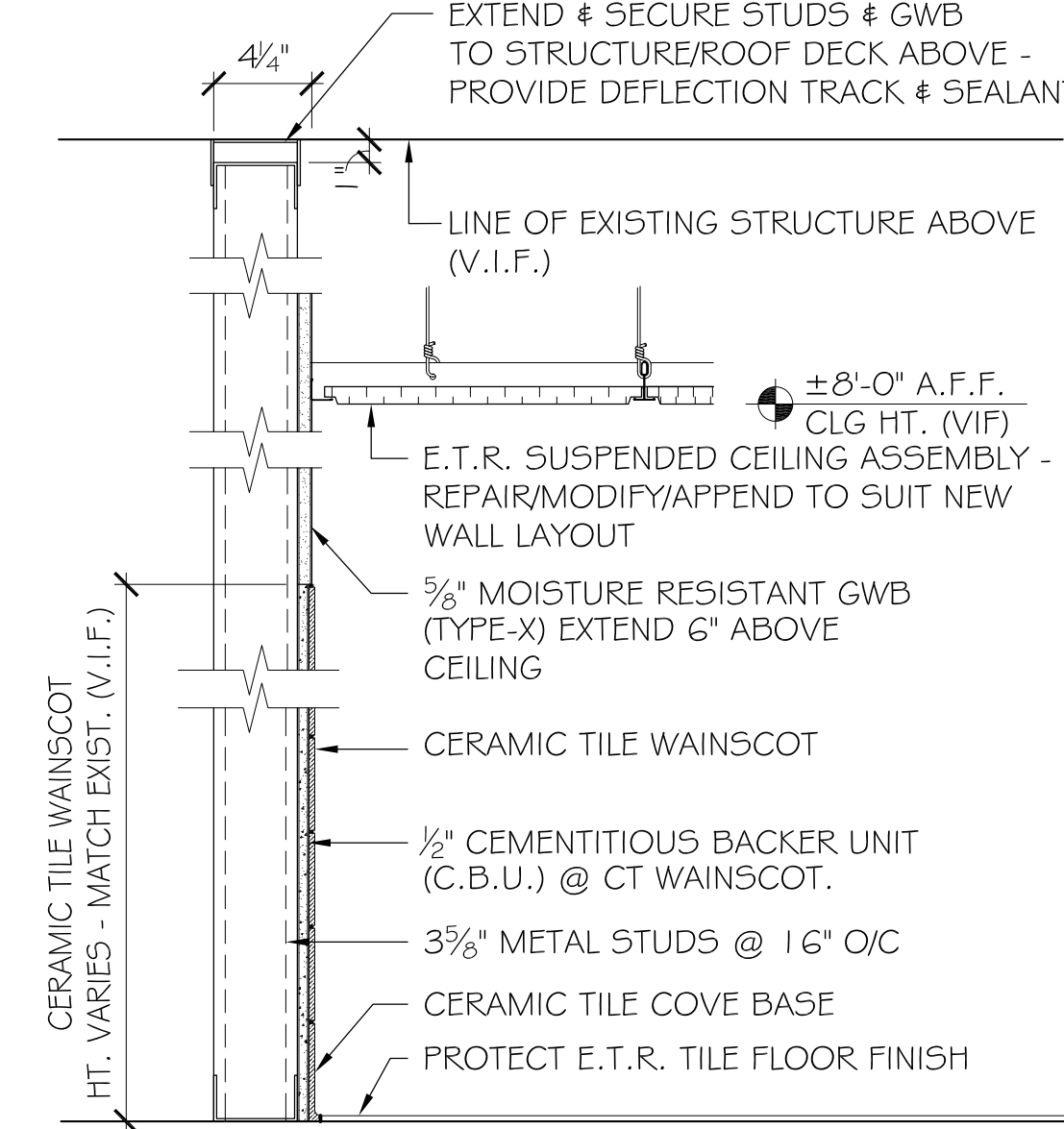


- A
- A1
- A2
- A3

**WALL TYPES**

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

1  
G001



- B
- B1
- B2



Revision	Description	Date	Revised By



**GENERAL NOTES**

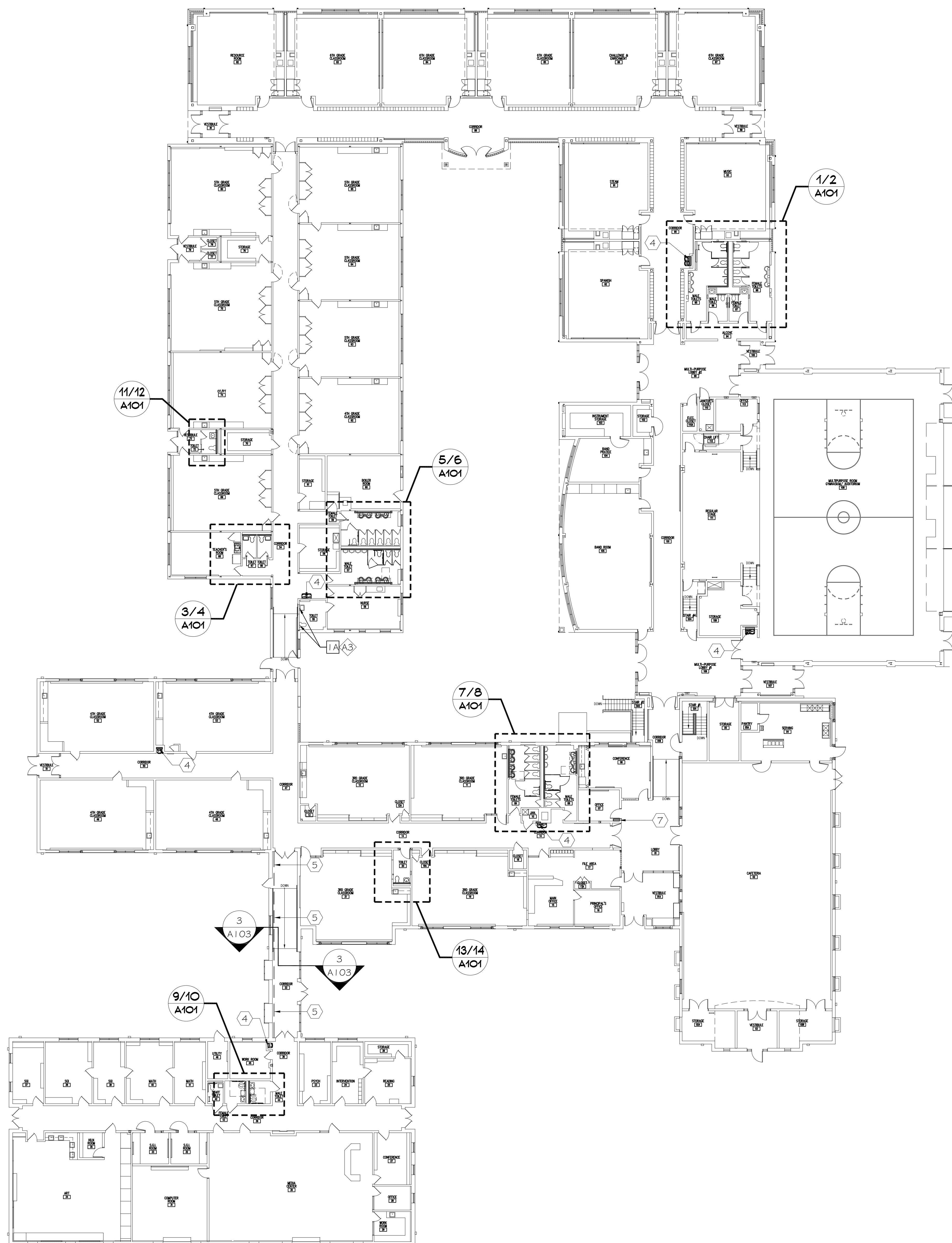
1. CONTRACTOR IS REQD TO VISIT THE SITE & BECOME FULLY FAMILIAR WITH THE EXISTING CONDITIONS AND THE SCOPE OF WORK PRIOR TO SUBMITTING A BID.
2. COORD. WORK WITH HAZMAT REPORT. REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION.
3. CONTRACTOR IS RESPONSIBLE FOR PROVIDING NEGATIVE AIR DUST CONTROL MEASURES AND TEMPORARY DUST CONTROL BARRIERS AT AREAS OF WORK AS REQD TO PREVENT DUST FROM ESCAPING THE WORK AREA & CONTAMINATING ADJACENT AREAS BEYOND THE SCOPE OF WORK.
4. CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING FURNITURE, FIXTURES, EQUIPMENT, AND FURNISHINGS FROM DUST & CONSTRUCTION ACTIVITY. TEMPORARILY REMOVE ITEMS AS REQD TO PROVIDE THE WORK & REINSTALL UPON COMPLETION OF WORK. PROTECT & TEMPORARILY RELOCATE ITEMS WITHIN THE ROOM FROM WHICH THEY ORIGINATE.
5. CUTTING & PATCHING WORK SHOWN ON ARCHITECTURAL DRAWINGS IS LIMITED TO PROJECT SCOPE OF WORK LOCATIONS WHERE MORE EXTENSIVE CUTTING & PATCHING AND/OR MODIFICATIONS/REMOVAL OF EXISTING PLUMBING CHASE WALLS ARE REQUIRED. CONTRACTOR IS RESPONSIBLE FOR CUTTING & PATCHING AS REQUIRED TO COMPLETE THE WORK BASED ON FULL SCOPE OF PLUMBING WORK SHOWN ON THE PLUMBING DRAWINGS AT ALL LOCATIONS WITHIN THE BUILDING.
6. REFER TO M/E/P/FP DRAWINGS FOR ADDITIONAL SCOPE OF WORK. COORDINATE WORK WITH ALL TRADES.

**DEMOLITION KEY NOTES**

1. REMOVE PORTION OF EXISTING CMU PLUMBING CHASE WALL CONSTRUCTION AS REQUIRED TO PROVIDE PLUMBING WORK - COORDINATE REMOVAL WITH PLUMBING & HAZMAT. PROTECT ADJACENT FINISHES, CONSTRUCTION & COMPONENTS THAT ARE EXISTING TO REMAIN.
- 1.A. REMOVE PORTION OF EXISTING BRICK MASONRY PLUMBING CHASE WALL CONSTRUCTION AS REQUIRED TO PROVIDE PLUMBING WORK - COORDINATE REMOVAL WITH PLUMBING & HAZMAT. PROTECT ADJACENT FINISHES, CONSTRUCTION & COMPONENTS THAT ARE EXISTING TO REMAIN.
- 1.B. REMOVE PORTION OF EXISTING MASONRY PLUMBING CHASE WALL CONSTRUCTION AT ONE SIDE OF EXISTING PLUMBING CHASE AS REQUIRED TO PROVIDE PLUMBING WORK. (NOTE: EXISTING CHASE IS ACCESSIBLE VIA FULL HEIGHT ACCESS DOOR LOCATED IN FEMALE TOILET #09. HOWEVER SPACE IS CONFINED AND ADDITIONAL ACCESS MAY BE REQUIRED VIA PARTIAL REMOVAL OF CHASE WALL CONSTRUCTION @ MALE TOILET #08 TO PROVIDE THE WORK.
2. REMOVE CERAMIC TILE FINISHES FROM CMU PLUMBING CHASE WALL & PREP SUBSTRATE TO RECEIVE SCHEDULE TILE FINISHES.
3. TEMPORARILY REMOVE EXISTING TOILET PARTITION & URINAL SCREEN ASSEMBLIES. STORE, PROTECT AND PREP TOILET PARTITION & URINAL SCREEN ASSEMBLIES FOR REINSTALLATION IN EXISTING LOCATIONS & CONFIGURATIONS (V.I.F.).
- 3.A. TEMPORARILY REMOVE EXISTING WALL-MOUNTED TOILET ACCESSORIES WITHIN TOILET ROOMS/COMPARTMENTS WHERE AN EXIST. TOILET ACCESSORY IS MOUNTED ON WALL CONST. TO BE REMOVED (V.I.F.) - STORE, PROTECT & PREP FOR REINSTALLATION IN EXISTING LOCATIONS.
4. TEMPORARILY REMOVE EXISTING PLUMBING FIXTURES - SALVAGE, STORE & PROTECT FOR REINSTALLATION. COORDINATE WITH PLUMBING DRAWINGS.
- 4.A. TEMPORARILY REMOVE EXISTING VANITY CASEWORK & LAVATORY - SALVAGE, STORE & PROTECT FOR REINSTALLATION. COORDINATE WITH PLUMBING DRAWINGS.
5. REMOVE EXISTING LAVATORY COUNTERTOP ASSEMBLY & ASSOCIATED PLUMBING FIXTURES (COORD. WITH PLUMBING DRAWINGS).
6. REMOVE EXISTING WALL-MOUNTED MIRRORS, PAPER TOWEL DISPENSERS & SOAP DISPENSERS - STORE, PROTECT & PREP FOR REINSTALLATION.
7. REMOVE EXISTING SINK/STOVE/FRIDGE COMBINATION APPLIANCE AND PREP SUBSTRATES TO RECEIVE NEW WORK.

**CONSTRUCTION KEY NOTES**

1. INSTALL EXISTING SALVAGED TOILET PARTITION ASSEMBLIES IN EXISTING LOCATIONS & CONFIGURATIONS. PROVIDE NEW HARDWARE & FASTENERS AS REQD TO SECURELY ANCHOR. INSTALL EXISTING SALVAGED TOILET ACCESSORIES WITHIN EXISTING TOILET COMPARTMENTS - MATCH EXISTING LOCATIONS & CONFIGURATIONS (V.I.F.).
- 1.A. INSTALL EXISTING PLUMBING FIXTURES IN EXISTING LOCATIONS (REFER TO PLUMBING DRAWINGS).
- 1.B. INSTALL EXISTING PLUMBING FIXTURES IN NEW LOCATIONS (REFER TO PLUMBING DRAWINGS).
- 1.C. PROVIDE WASHSTATION ASSEMBLIES. REFER TO PLUMBING DWGS.
2. INSTALL EXISTING, SALVAGED TOILET ACCESSORIES (MIRRORS & DISPENSERS) AT NEW WALL CONSTRUCTION ADJACENT TO LAVATORIES - REFER TO TYPICAL INTERIOR ELEVATION FOR MOUNTING HEIGHTS & CONFIGURATIONS.
- 2.A. INSTALL EXISTING, SALVAGED TOILET ACCESSORIES (MIRRORS & DISPENSERS) AT EXISTING LOCATIONS & MOUNTING HEIGHTS ON NEW WALL CONSTRUCTION.
3. MODIFY & EXTEND EXISTING SUSPENDED CEILING ASSEMBLY TO SUIT LAYOUT OF MODIFIED WALL CONSTRUCTION. PROVIDE SUSPENDED CEILING ASSEMBLY COMPONENTS (GRID, PERIMETER TRIM, TILES, ETC.) TO MATCH EXISTING (V.I.F.).
4. PROVIDE CMU WALL INFILL (PAINTED) AT LOCATION OF FORMER RECESSED DRINKING FOUNTAIN & PREP FOR INSTALLATION OF NEW DRINKING FOUNTAIN. REFER TO PLUMBING DRAWINGS.
5. PROVIDE PREFAB SOFFIT PIPE CHASE ASSEMBLY AT CEILING - REFER TO SOFFIT DETAILS & CORR. SECTION FOR MORE INFO.
6. PROVIDE SOLID SURFACE COUNTERTOP ASSEMBLY WITH SINK & WALL CABINETS ABOVE - REFER TO CASEWORK DETAILS & PLUMBING DRAWINGS.
7. PROVIDE 8" DEEP BY 24" WIDE PIPE CHASE WALL CONSTRUCTION AT CORNER OF OFFICE #07 BEHIND E.T.R. DOOR - REFER TO WALL TYPE 'B2' & COORD. WITH PLUMBING DRAWINGS. DEPTH OF CHASE SHALL NOT EXTEND BEYOND EDGE OF E.T.R. DOOR FRAME.



**LOWER LEVEL FLOOR PLAN**

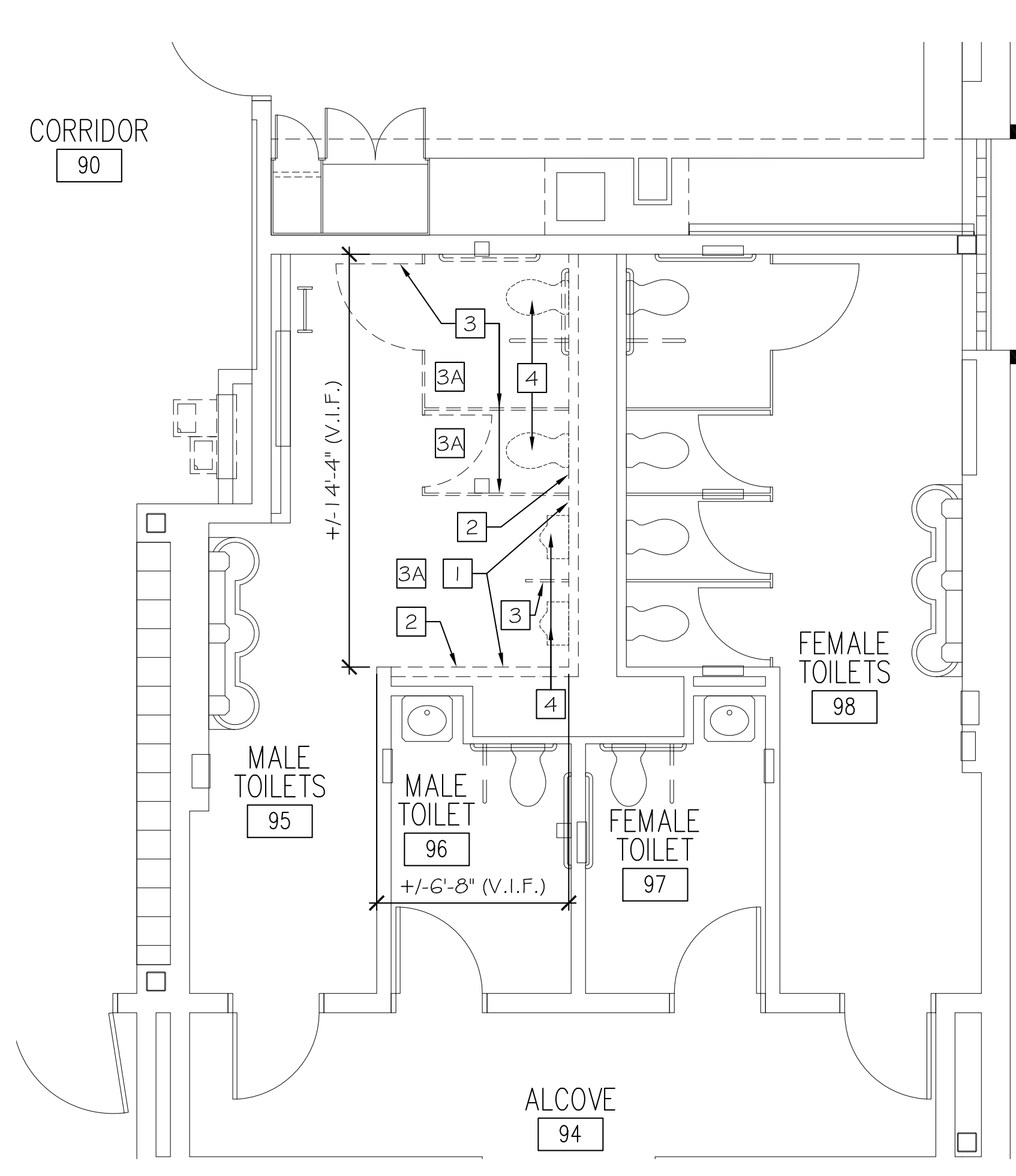
SCALE: 1/32" = 1'-0"

**MAIN LEVEL FLOOR PLAN**

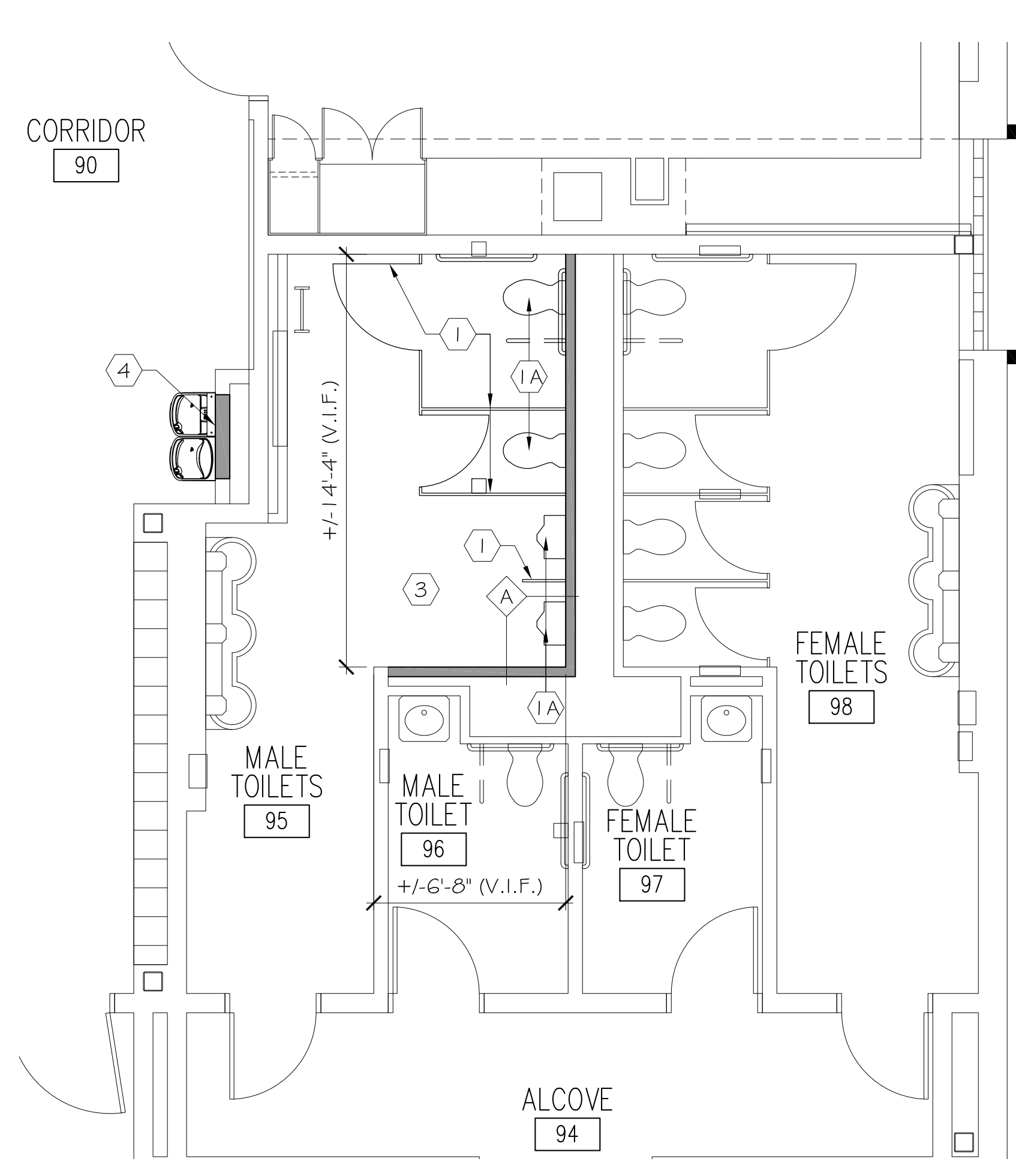
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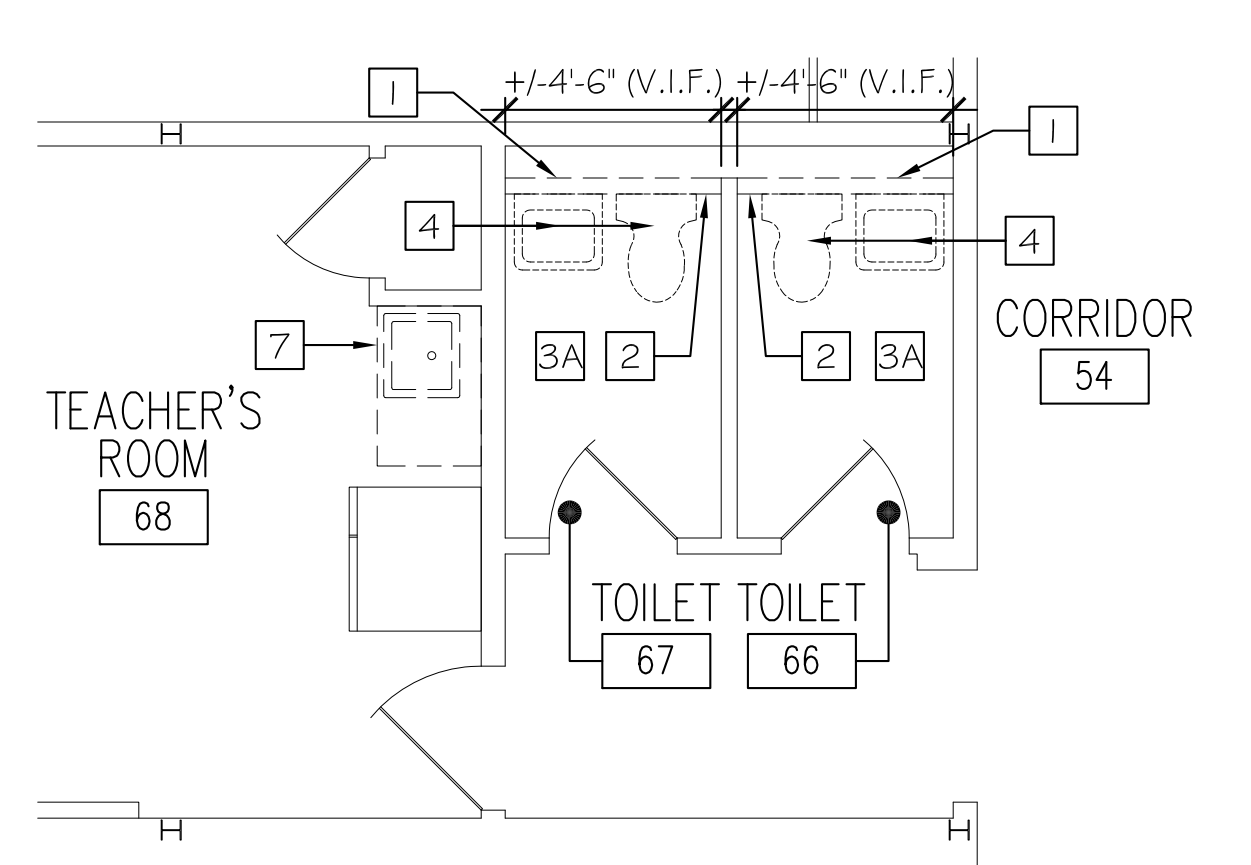
Revision	Description	Date	Revised By



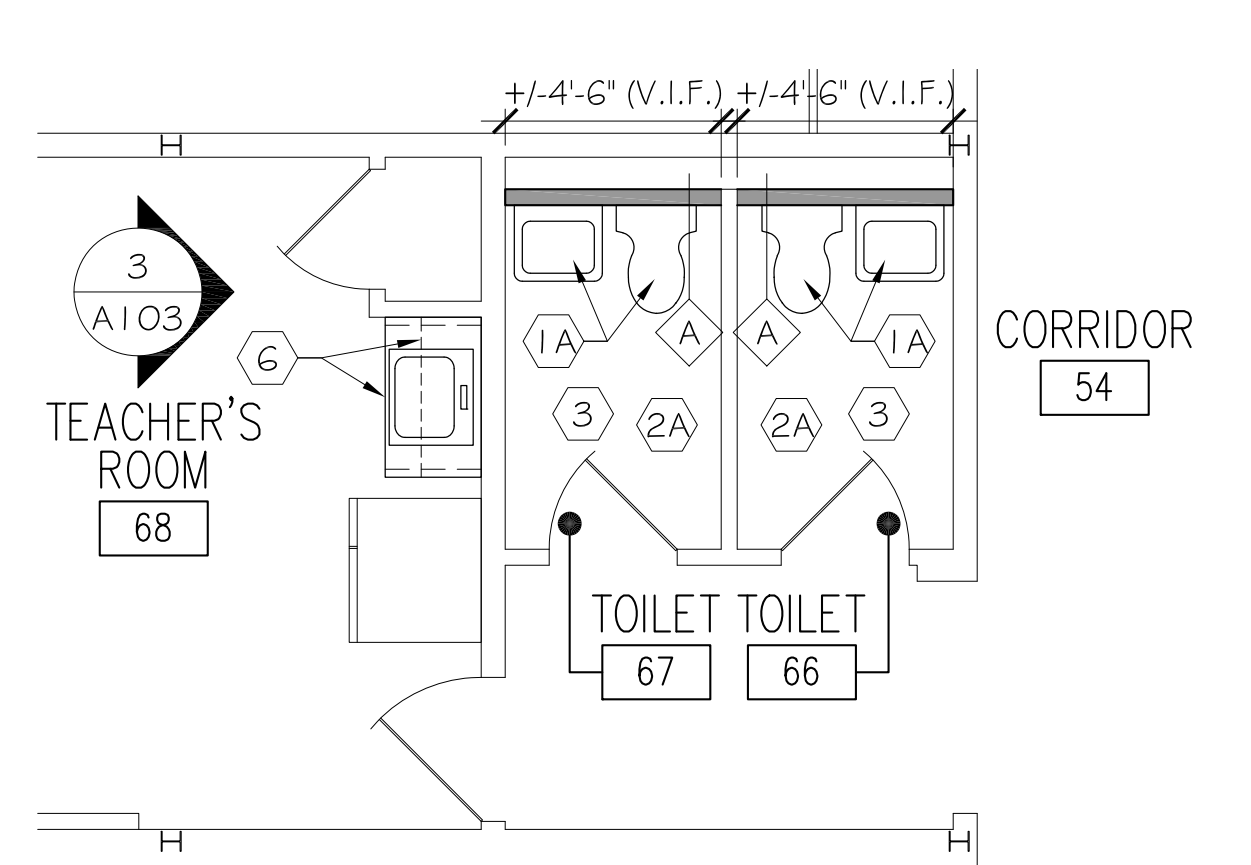
ENLARGED TOILET ROOM DEMO PLAN (95, 96, 97, 98) 1  
SCALE: 1/4" = 1'-0" A101



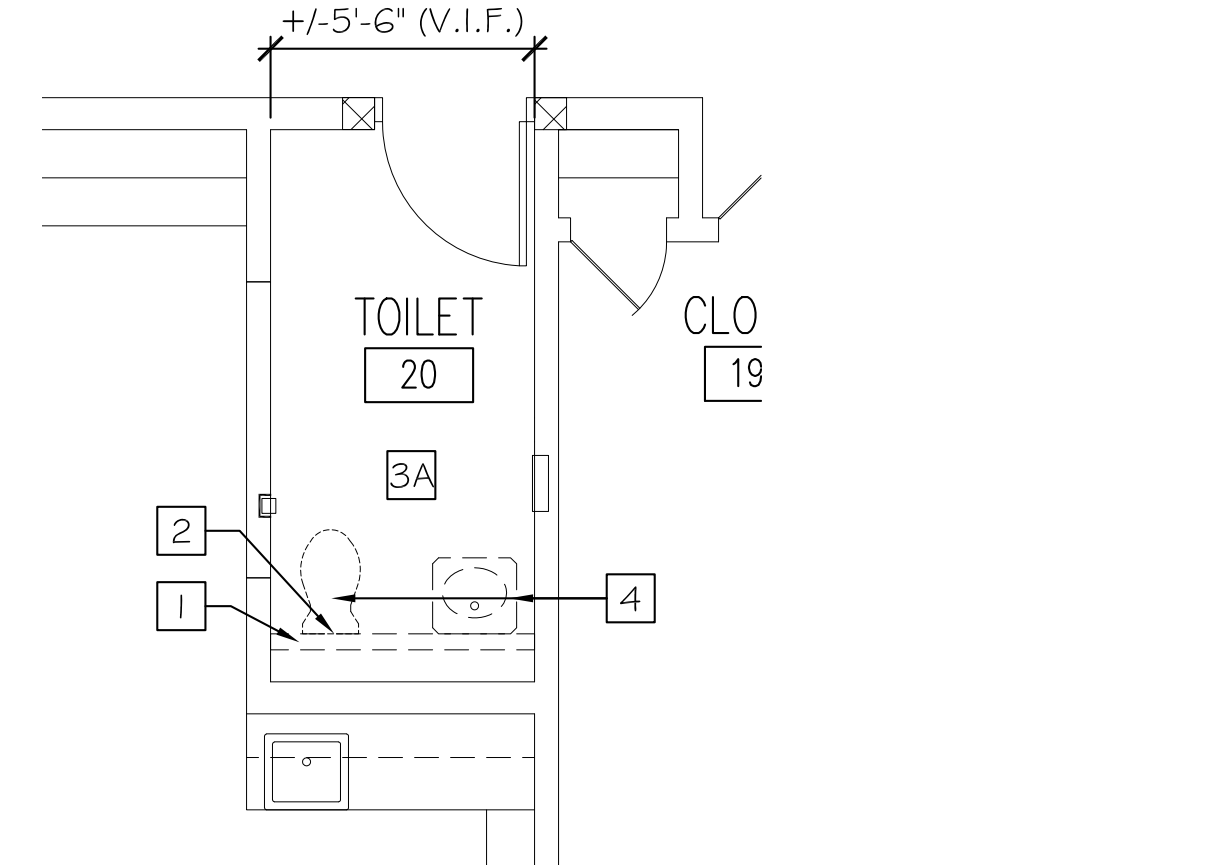
ENLARGED TOILET ROOM PLAN (95, 96, 97, 98) 2  
SCALE: 1/4" = 1'-0" A101



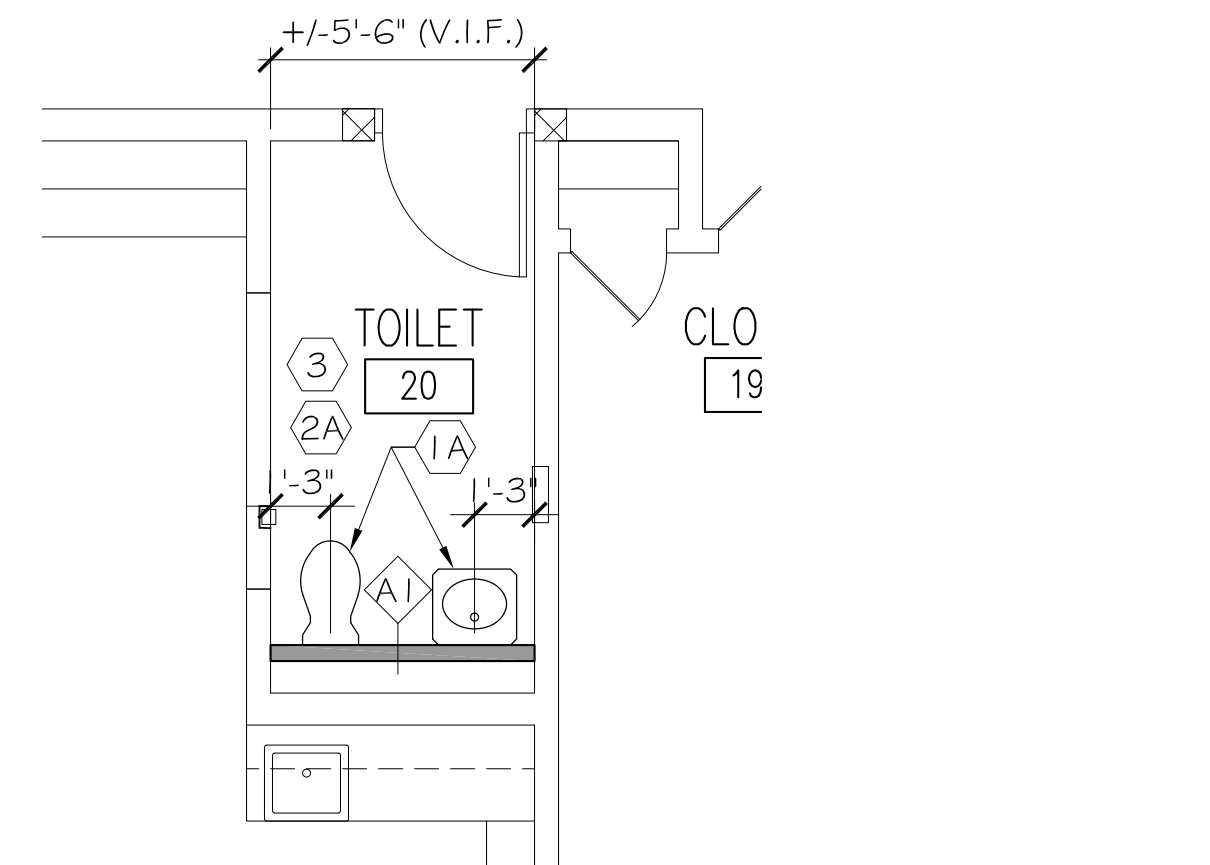
ENLARGED TOILET ROOM DEMO PLAN (66, 67) 3  
SCALE: 1/4" = 1'-0" A101



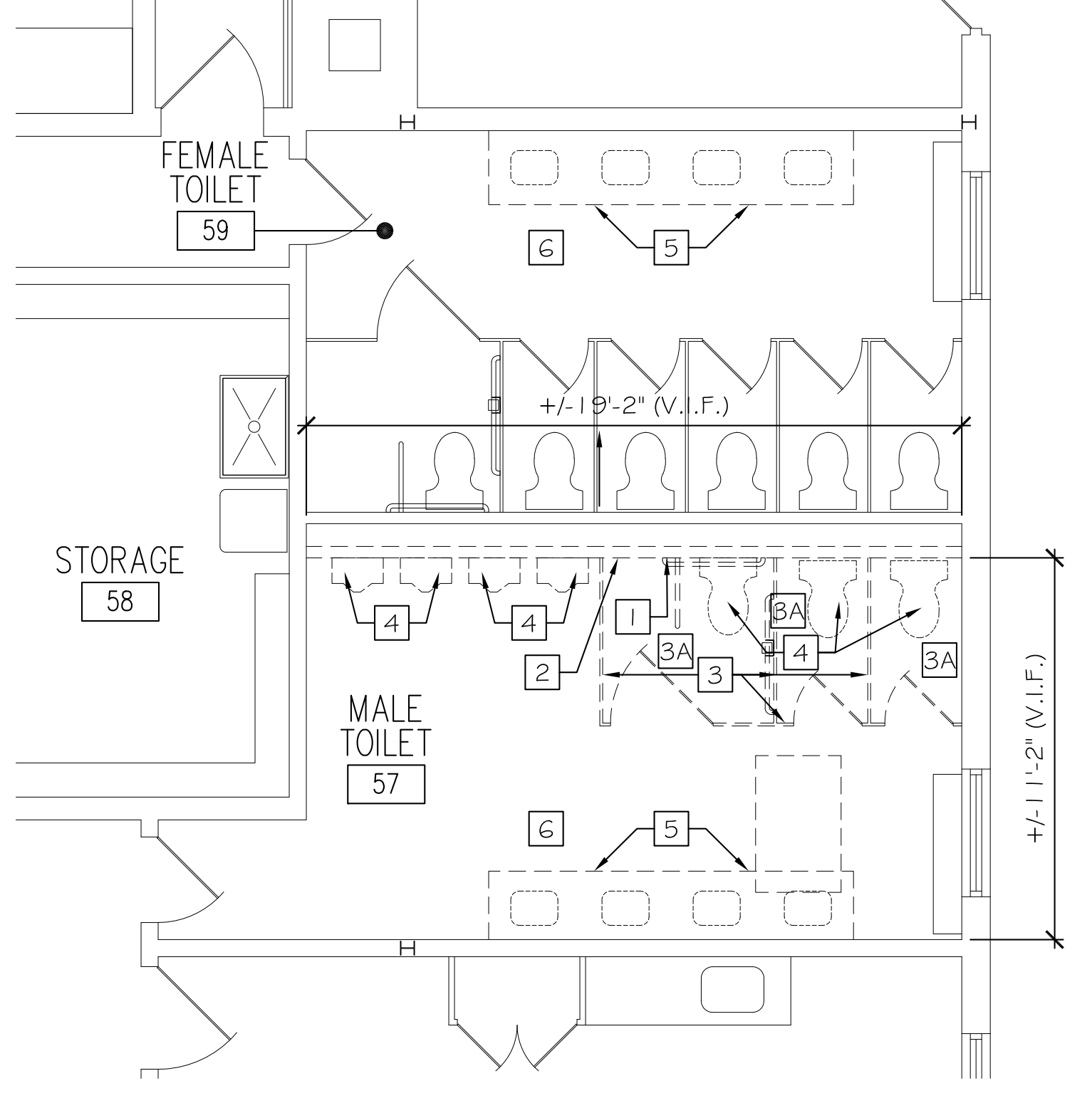
ENLARGED TOILET ROOM PLAN (66, 67) 4  
SCALE: 1/4" = 1'-0" A101



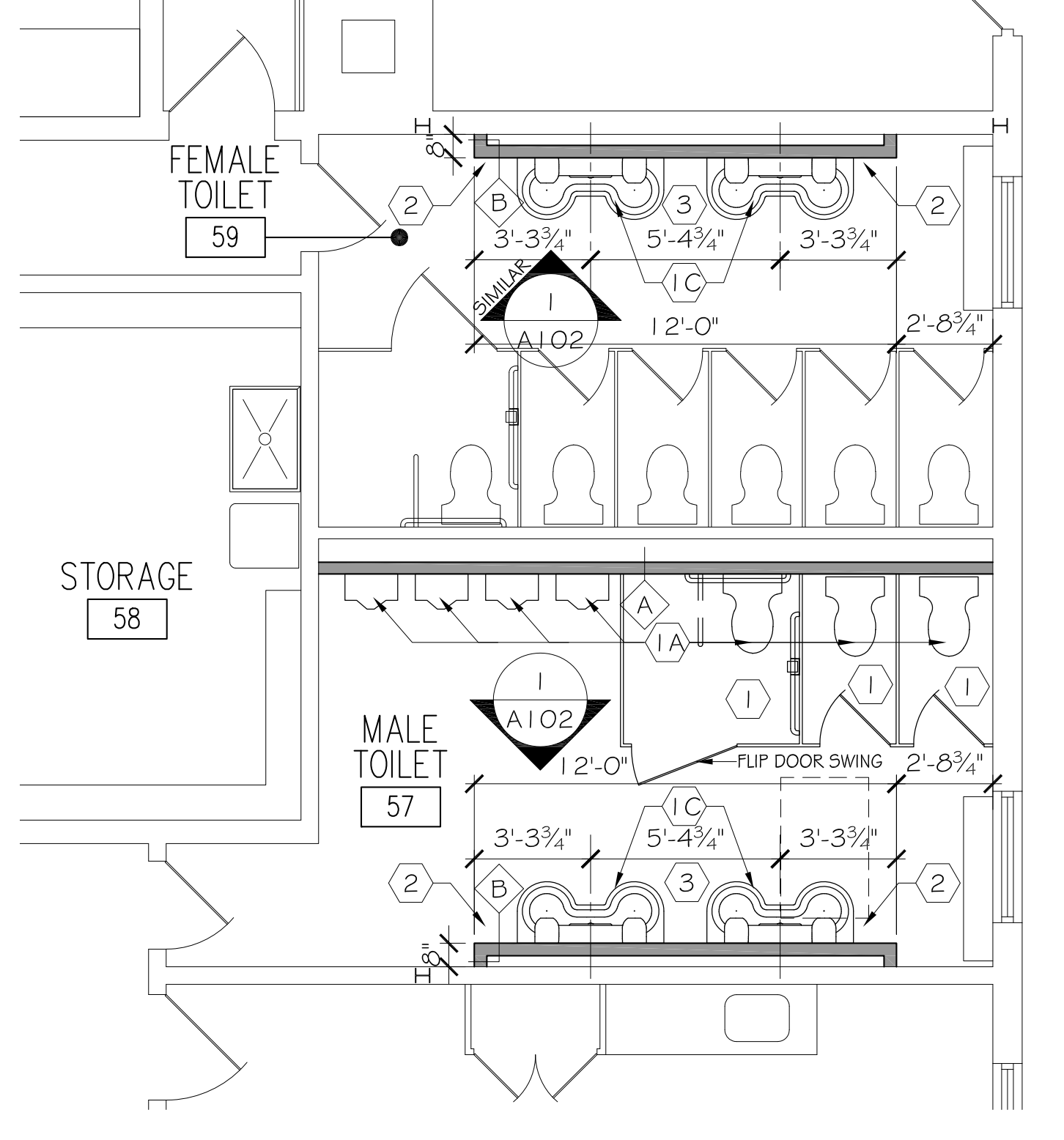
ENLARGED TOILET ROOM DEMO PLAN (20) 13  
SCALE: 1/4" = 1'-0" A101



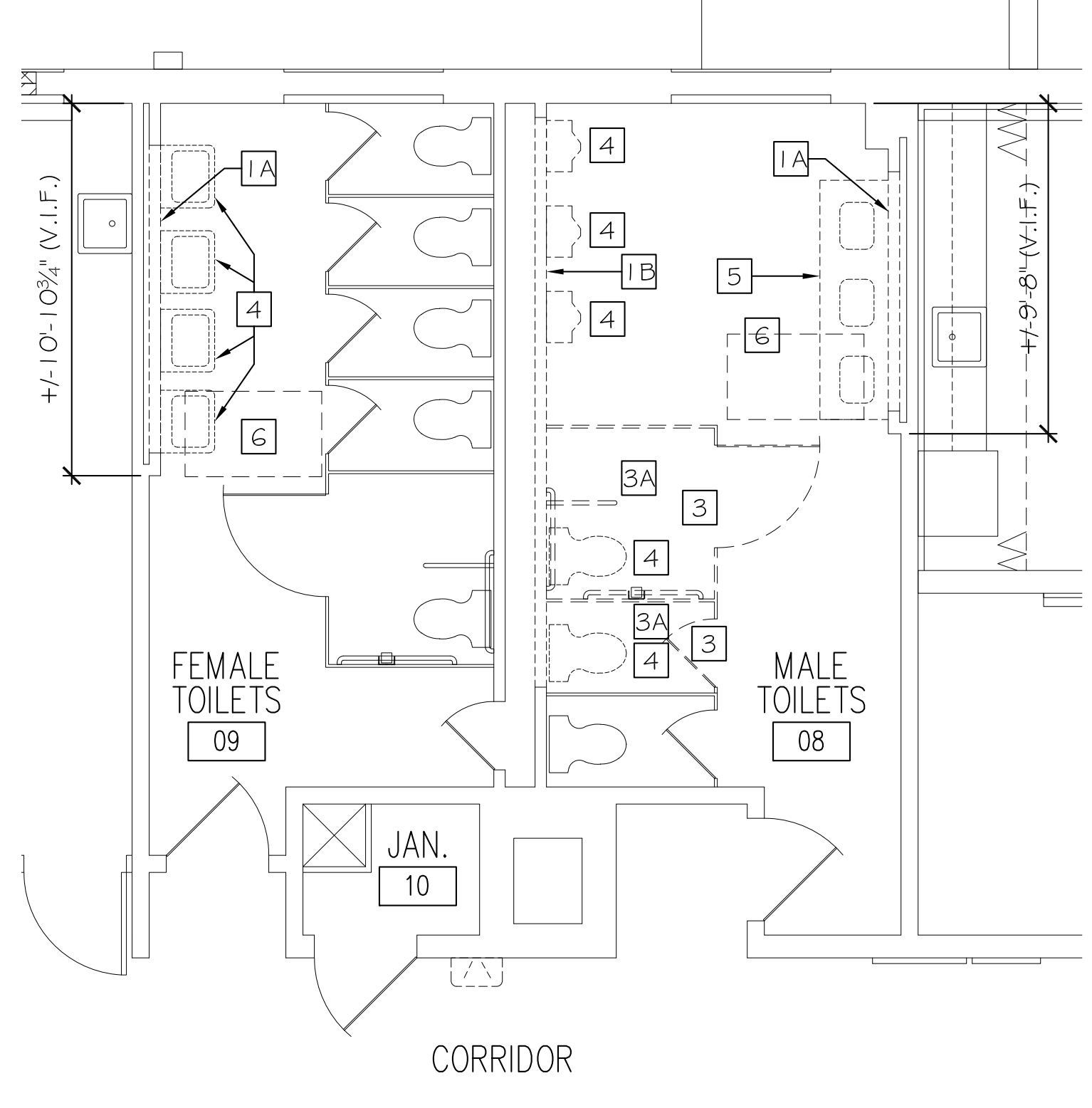
ENLARGED TOILET ROOM PLAN (20) 14  
SCALE: 1/4" = 1'-0" A101



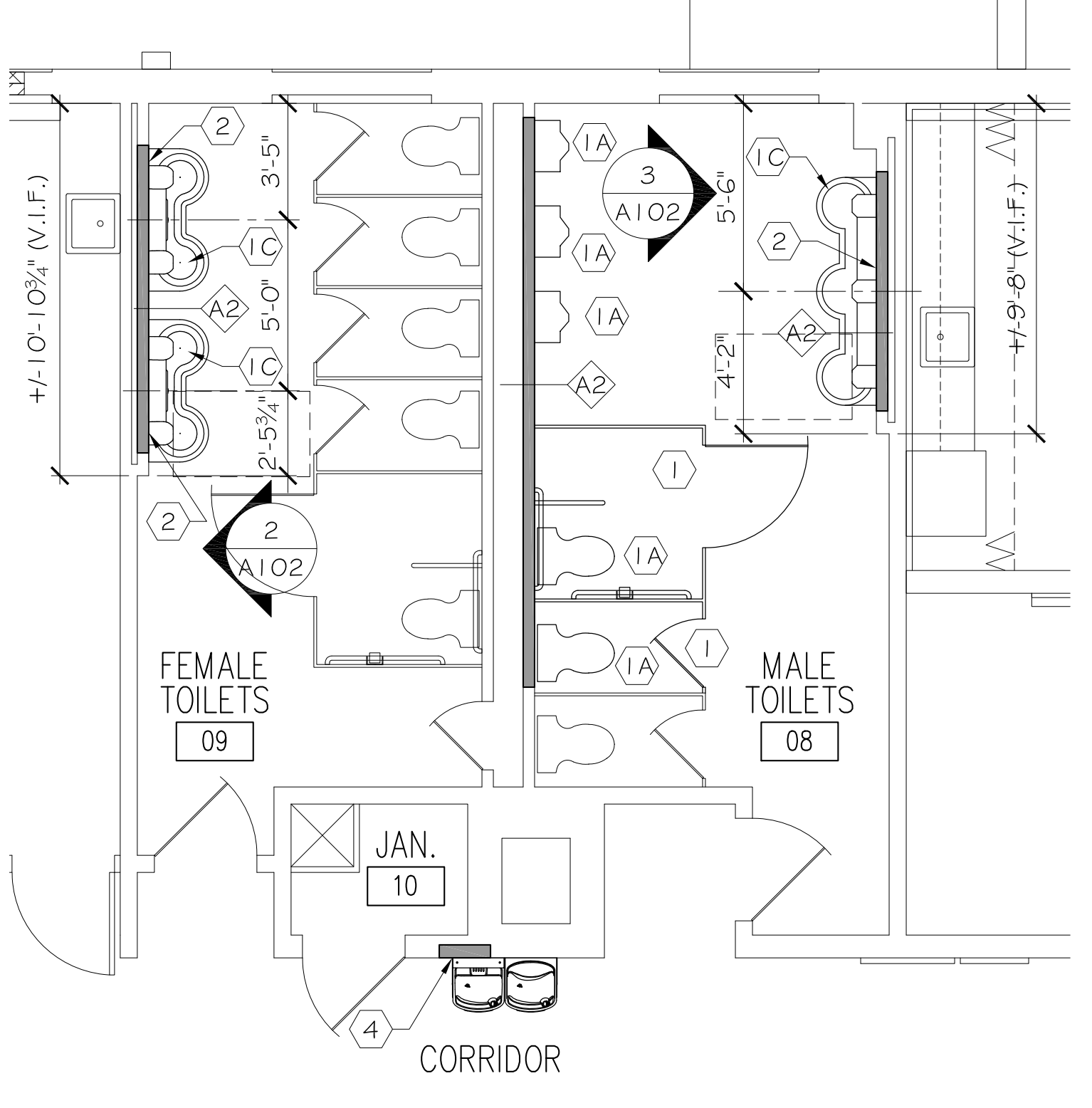
ENLARGED TOILET ROOM DEMO PLAN (57, 59) 5  
SCALE: 1/4" = 1'-0" A101



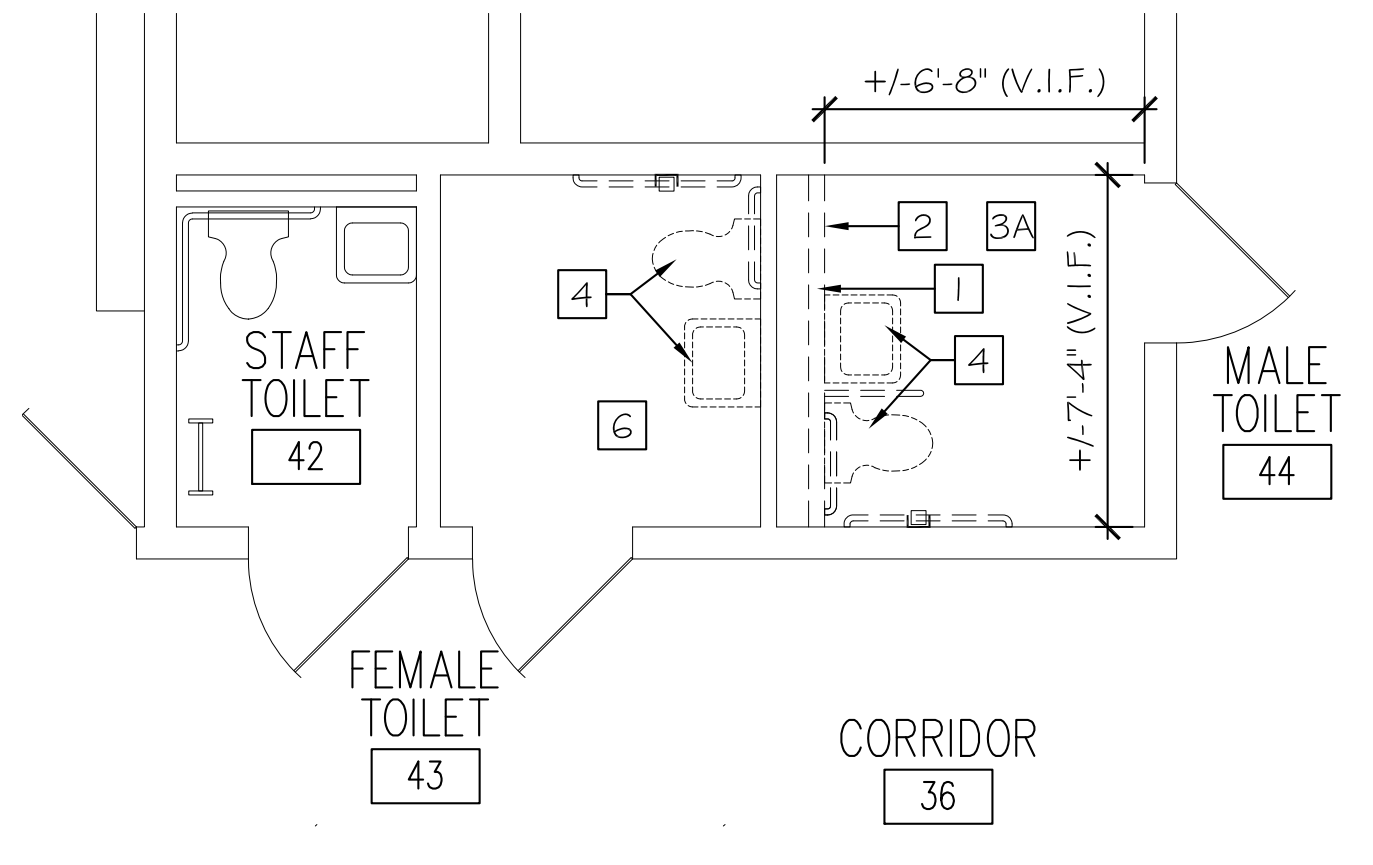
ENLARGED TOILET ROOM PLAN (57, 59) 6  
SCALE: 1/4" = 1'-0" A101



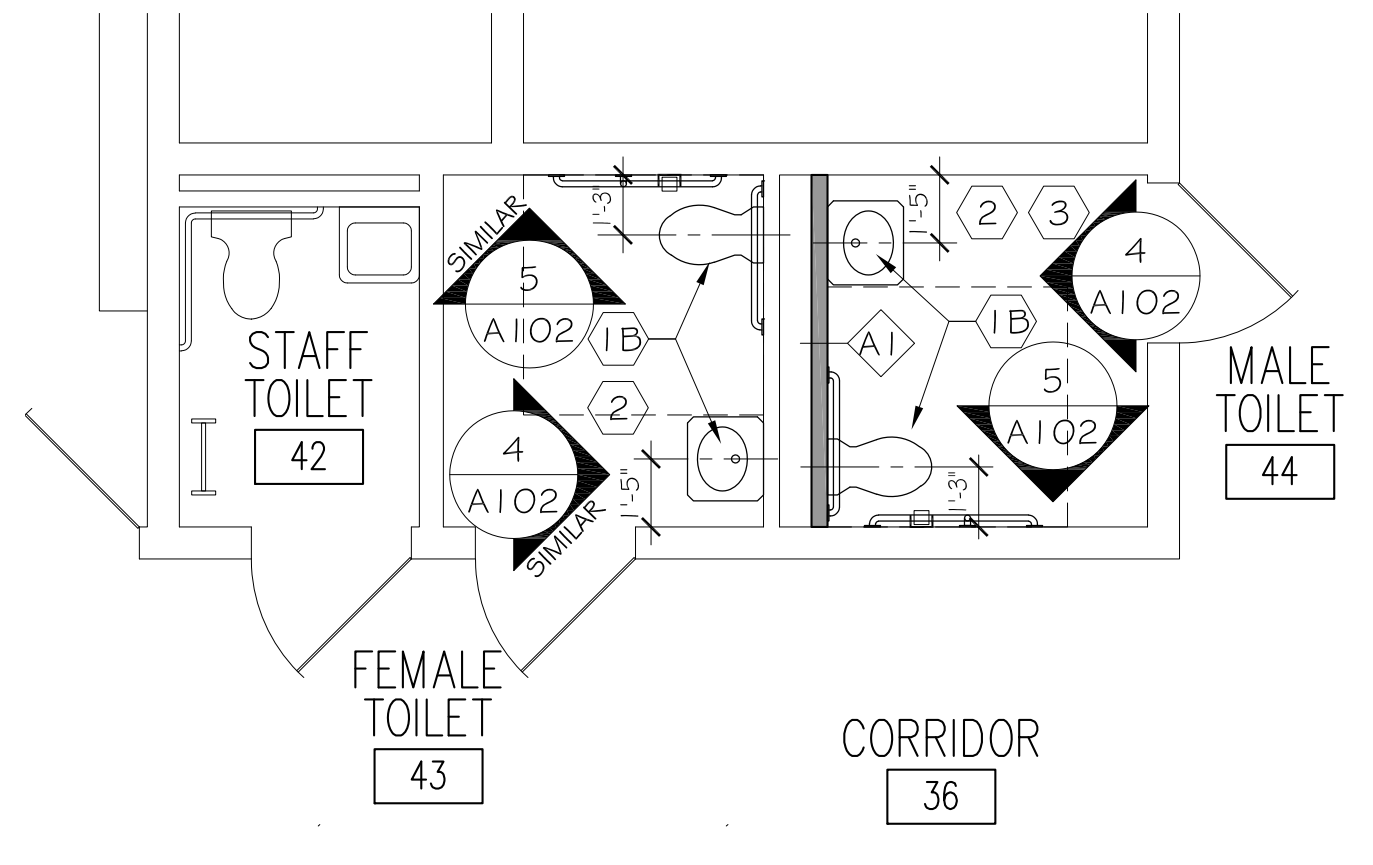
ENLARGED TOILET ROOM DEMO PLAN (08, 09) 7  
SCALE: 1/4" = 1'-0" A101



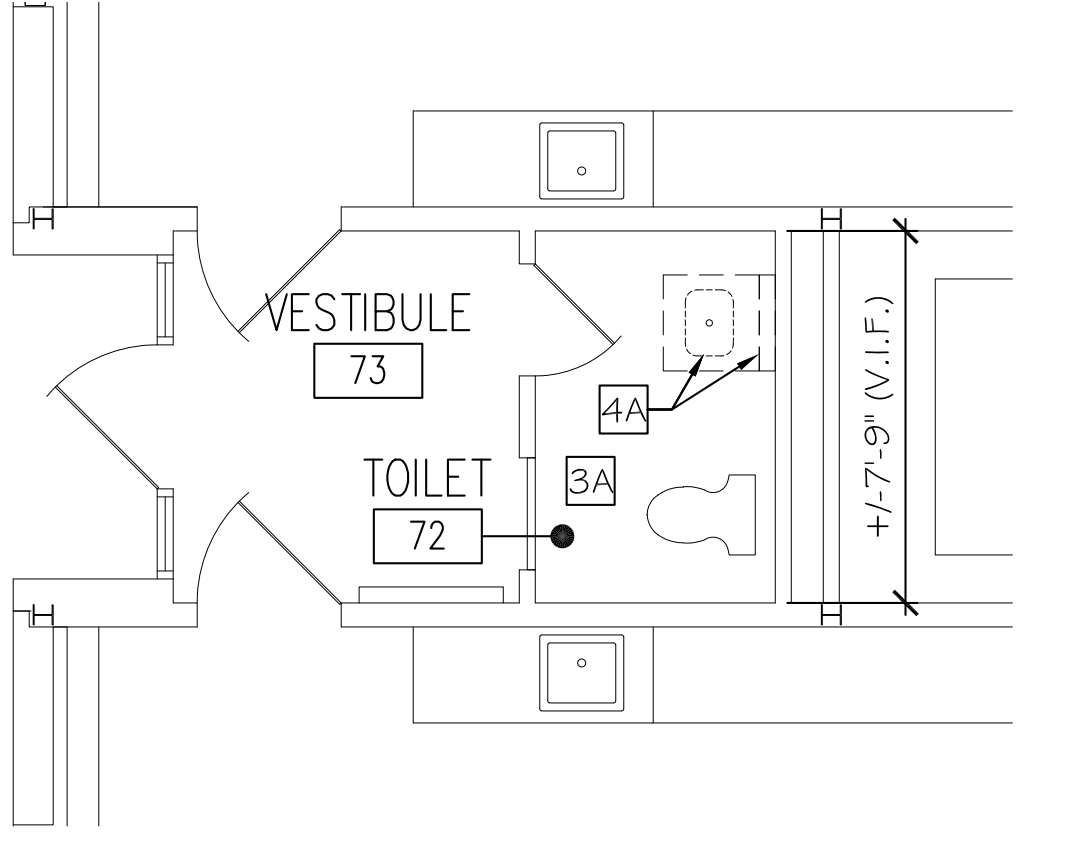
ENLARGED TOILET ROOM PLAN (08, 09) 8  
SCALE: 1/4" = 1'-0" A101



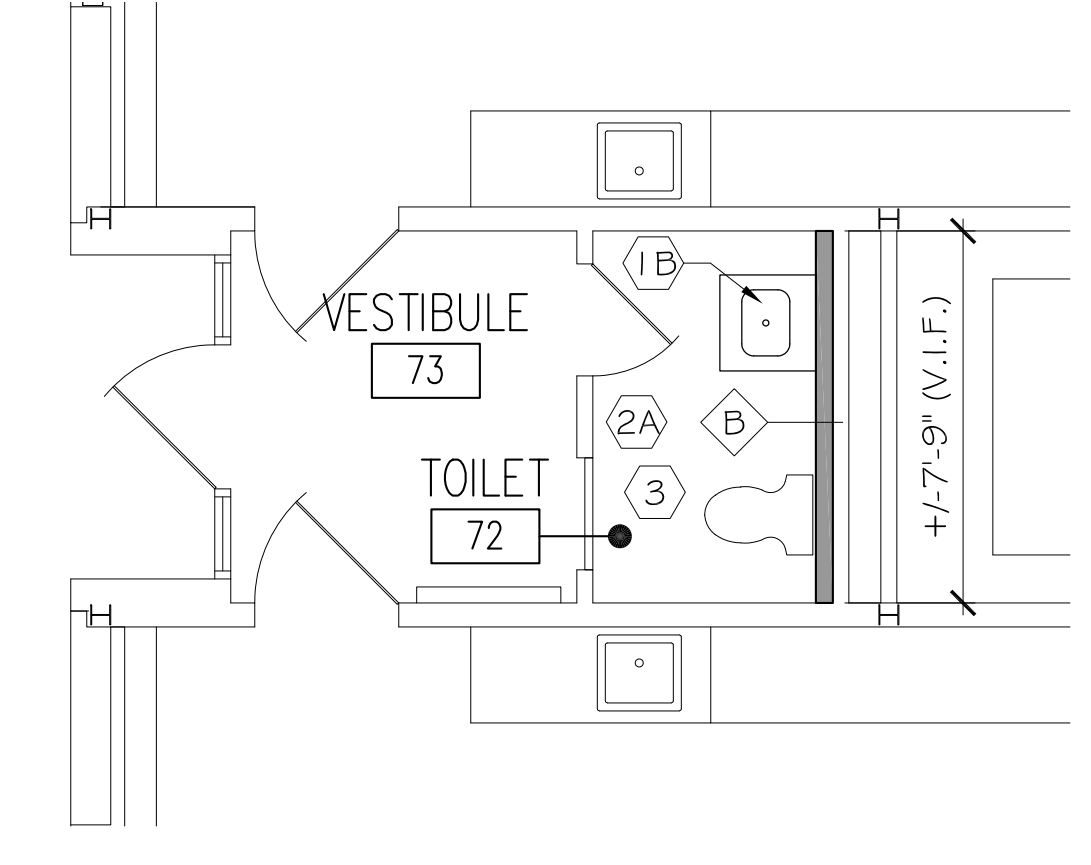
ENLARGED TOILET ROOM DEMO PLAN (08, 09) 9  
SCALE: 1/4" = 1'-0" A101



ENLARGED TOILET ROOM PLAN (08, 09) 10  
SCALE: 1/4" = 1'-0" A101



ENLARGED TOILET ROOM DEMO PLAN (72) 11  
SCALE: 1/4" = 1'-0" A101



ENLARGED TOILET ROOM PLAN (72) 12  
SCALE: 1/4" = 1'-0" A101

GENERAL NOTES

- CONTRACTOR IS REQ'D TO VISIT THE SITE & BECOME FULLY FAMILIAR WITH THE EXISTING CONDITIONS AND THE SCOPE OF WORK PRIOR TO SUBMITTING A BID.
- COORD. WORK WITH HAZMAT REPORT. REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING NEGATIVE AIR DUST CONTROL MEASURES AND TEMPORARY DUST CONTROL BARRIERS AT AREAS OF WORK AS REQ'D TO PREVENT DUST FROM ESCAPING THE WORK AREA & CONTAMINATING ADJACENT AREAS BEYOND THE SCOPE OF WORK.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING FURNITURE, FIXTURES, EQUIPMENT, AND FURNISHINGS FROM DUST & CONSTRUCTION ACTIVITY. TEMPORARILY REMOVE ITEMS AS REQ'D TO PROVIDE THE WORK & REINSTALL UPON COMPLETION OF WORK. PROTECT & TEMPORARILY RELOCATE ITEMS WITHIN THE ROOM FROM WHICH THEY ORIGINATE.
- CUTTING & PATCHING WORK SHOWN ON ARCHITECTURAL DRAWINGS IS LIMITED TO PROJECT SCOPE OF WORK LOCATIONS WHERE MORE EXTENSIVE CUTTING & PATCHING AND/OR MODIFICATIONS/REMOVAL OF EXISTING PLUMBING CHASE WALLS ARE REQUIRED. CONTRACTOR IS RESPONSIBLE FOR CUTTING & PATCHING AS REQUIRED TO COMPLETE THE WORK BASED ON FULL SCOPE OF PLUMBING WORK SHOWN ON THE PLUMBING DRAWINGS AT ALL LOCATIONS WITHIN THE BUILDING.
- REFER TO M/E/P/P DRAWINGS FOR ADDITIONAL SCOPE OF WORK. COORDINATE WORK WITH ALL TRADES.

DEMOLITION KEY NOTES

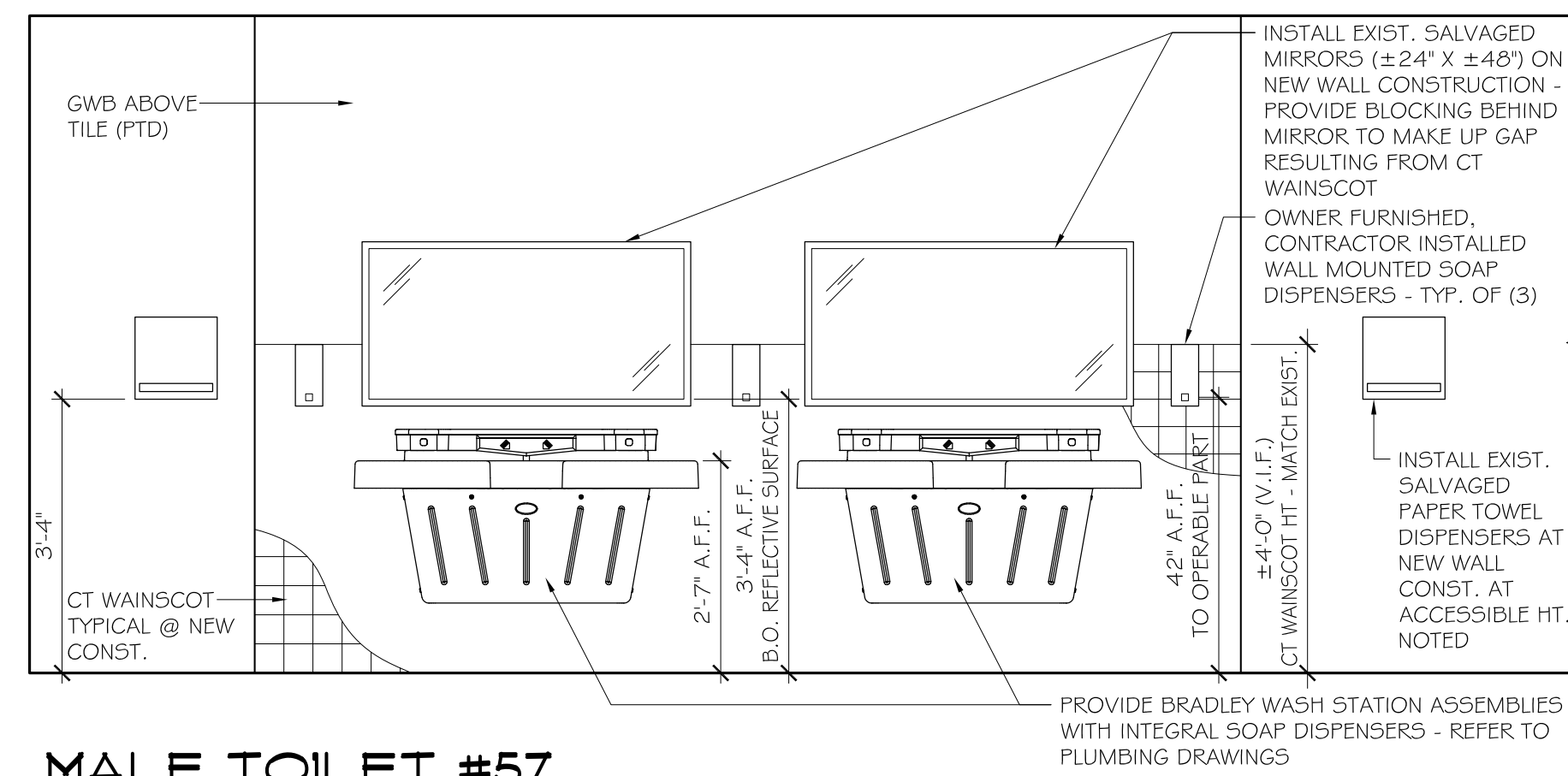
- REMOVE PORTION OF EXISTING CMU PLUMBING CHASE WALL CONSTRUCTION AS REQUIRED TO PROVIDE PLUMBING WORK. COORDINATE REMOVAL WITH PLUMBING & HAZMAT. PROTECT ADJACENT FINISHES, CONSTRUCTION & COMPONENTS THAT ARE EXISTING TO REMAIN.
- REMOVE PORTION OF EXISTING BRICK MASONRY PLUMBING CHASE WALL CONSTRUCTION AS REQUIRED TO PROVIDE PLUMBING WORK. COORDINATE REMOVAL WITH PLUMBING & HAZMAT. PROTECT ADJACENT FINISHES, CONSTRUCTION & COMPONENTS THAT ARE EXISTING TO REMAIN.
- REMOVE PORTION OF EXISTING MASONRY PLUMBING CHASE WALL CONSTRUCTION AT ONE SIDE OF EXISTING PLUMBING CHASE AS REQUIRED TO PROVIDE PLUMBING WORK. (NOTE: EXISTING CHASE IS ACCESSIBLE VIA FULL HEIGHT ACCESS DOOR LOCATED IN FEMALE TOILET #09. HOWEVER SPACE IS CONFINED AND ADDITIONAL ACCESS MAY BE REQUIRED VIA PARTIAL REMOVAL OF CHASE WALL CONSTRUCTION @ MALE TOILET #08 TO PROVIDE THE WORK.)
- REMOVE CERAMIC TILE FINISHES FROM CMU PLUMBING CHASE WALL & PREP SUBSTRATE TO RECEIVE SCHEDULE TILE FINISHES.
- TEMPORARILY REMOVE EXISTING TOILET PARTITION & URINAL SCREEN ASSEMBLIES. STORE, PROTECT AND PREP TOILET PARTITION & URINAL SCREEN ASSEMBLIES FOR REINSTALLATION IN EXISTING LOCATIONS & CONFIGURATIONS (V.I.F.).
- TEMPORARILY REMOVE EXISTING WALL-MOUNTED TOILET ACCESSORIES WITHIN TOILET ROOMS/COMPARTMENTS WHERE AN EXIST. TOILET ACCESSORY IS MOUNTED ON WALL CONSTRUCTION TO BE REMOVED (V.I.F.) - STORE, PROTECT & PREP FOR REINSTALLATION IN EXISTING LOCATIONS.
- TEMPORARILY REMOVE EXISTING PLUMBING FIXTURES - SALVAGE, STORE & PROTECT FOR REINSTALLATION. COORDINATE WITH PLUMBING DRAWINGS.
- TEMPORARILY REMOVE EXISTING VANITY CASEWORK & LAVATORY - SALVAGE, STORE & PROTECT FOR REINSTALLATION. COORDINATE WITH PLUMBING DRAWINGS.
- REMOVE EXISTING LAVATORY COUNTERTOP ASSEMBLY & ASSOCIATED PLUMBING FIXTURES (COORD. WITH PLUMBING DRAWINGS).
- REMOVE EXISTING WALL-MOUNTED MIRRORS, PAPER TOWEL DISPENSERS & SOAP DISPENSERS - STORE, PROTECT & PREP FOR REINSTALLATION.
- REMOVE EXISTING SINK/STOVE/FRIDGE COMBINATION APPLIANCE AND PREP SUBSTRATES TO RECEIVE NEW WORK.

CONSTRUCTION KEY NOTES

- INSTALL EXISTING SALVAGED TOILET PARTITION ASSEMBLIES IN EXISTING LOCATIONS & CONFIGURATIONS. PROVIDE NEW HARDWARE & FASTENERS AS REQ'D TO SECURELY ANCHOR. INSTALL EXISTING SALVAGED TOILET ACCESSORIES WITHIN EXISTING TOILET COMPARTMENTS - MATCH EXISTING LOCATIONS & CONFIGURATIONS (V.I.F.).
- INSTALL EXISTING PLUMBING FIXTURES IN EXISTING LOCATIONS (REFER TO PLUMBING DRAWINGS).
- INSTALL EXISTING PLUMBING FIXTURES IN NEW LOCATIONS (REFER TO PLUMBING DRAWINGS).
- PROVIDE WASHSTATION ASSEMBLIES. REFER TO PLUMBING DWGS.
- INSTALL EXISTING, SALVAGED TOILET ACCESSORIES (MIRRORS & DISPENSERS) AT NEW WALL CONSTRUCTION ADJACENT TO LAVATORIES - REFER TO TYPICAL INTERIOR ELEVATION FOR MOUNTING HEIGHTS & CONFIGURATIONS.
- INSTALL EXISTING, SALVAGED TOILET ACCESSORIES (MIRRORS & DISPENSERS) AT EXISTING LOCATIONS & MOUNTING HEIGHTS ON NEW WALL CONSTRUCTION.
- MODIFY & EXTEND EXISTING SUSPENDED CEILING ASSEMBLY TO SUIT LAYOUT OF MODIFIED WALL CONSTRUCTION. PROVIDE SUSPENDED CEILING ASSEMBLY COMPONENTS (GRID, PERIMETER TRIM, TILES, ETC.) TO MATCH EXISTING (V.I.F.).
- PROVIDE CMU WALL INFILL (PAINTED) AT LOCATION OF FORMER RECESSED DRINKING FOUNTAIN & PREP FOR INSTALLATION OF NEW DRINKING FOUNTAIN. REFER TO PLUMBING DRAWINGS.
- PROVIDE PREFAB SOFFIT PIPE CHASE ASSEMBLY AT CEILING - REFER TO SOFFIT DETAILS & CORR. SECTION FOR MORE INFO.
- PROVIDE SOLID SURFACE COUNTERTOP ASSEMBLY WITH SINK & WALL CABINETS ABOVE - REFER TO CASEWORK DETAILS & PLUMBING DRAWINGS.
- PROVIDE 8" DEEP BY 24" WIDE PIPE CHASE WALL CONSTRUCTION AT CORNER OF OFFICE #07 BEHIND E.T.R. DOOR - REFER TO WALL TYPE 'B2' & COORD. WITH PLUMBING DRAWINGS. DEPTH OF CHASE SHALL NOT EXTEND BEYOND EDGE OF E.T.R. DOOR FRAME.

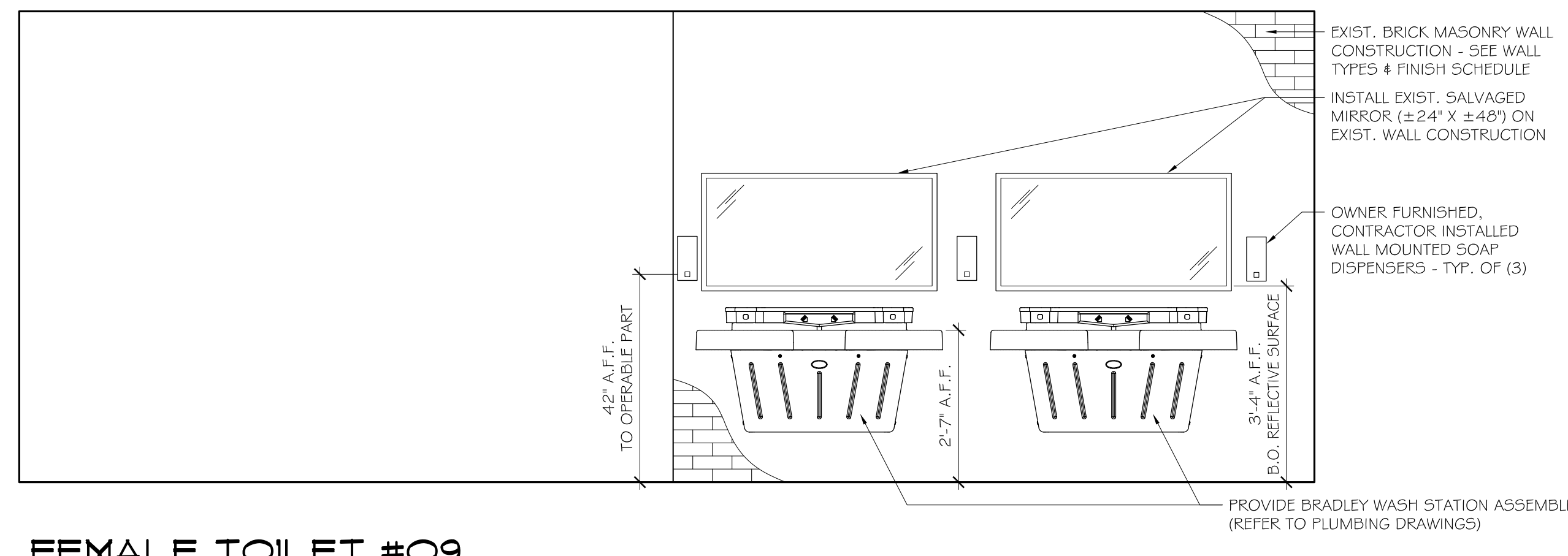






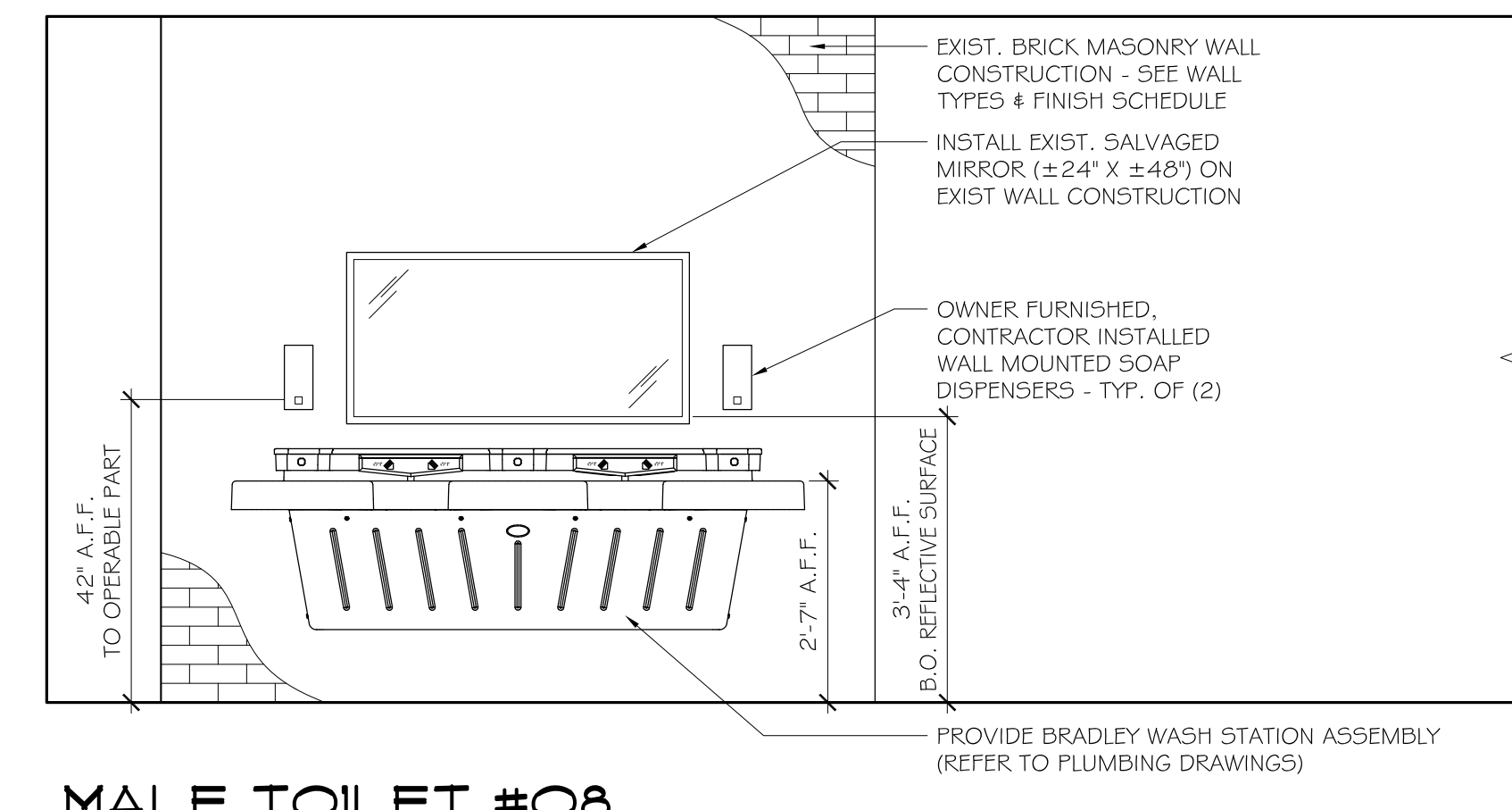
**MALE TOILET #57**  
**INTERIOR ELEVATION**  
 SCALE: 1/2" = 1'-0"  
 FEMALE TOILET #59 SIMILAR

1  
A102



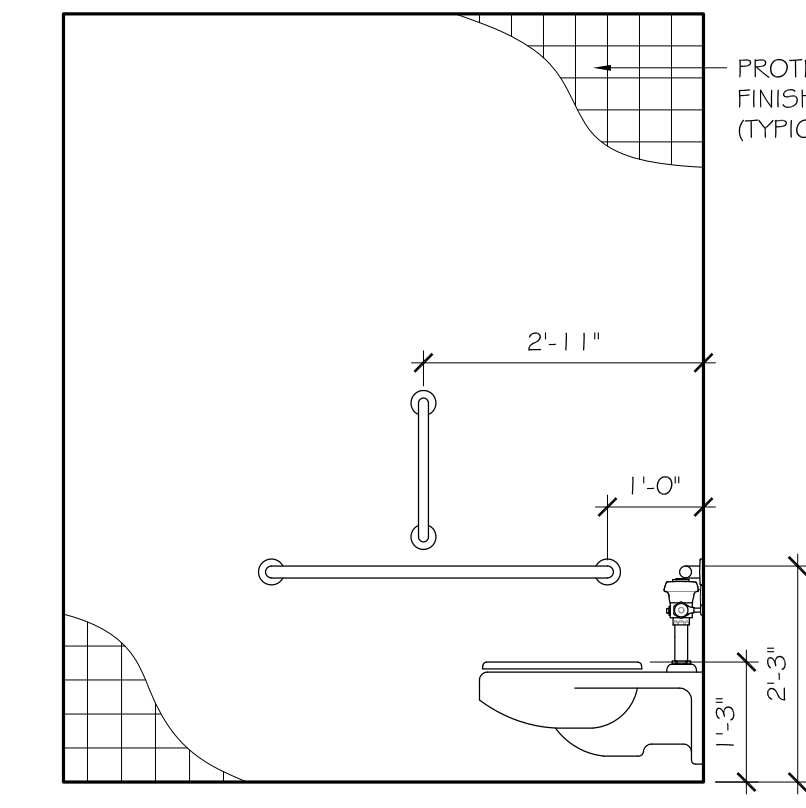
**FEMALE TOILET #09**  
**INTERIOR ELEVATION**  
 SCALE: 1/2" = 1'-0"

2  
A102



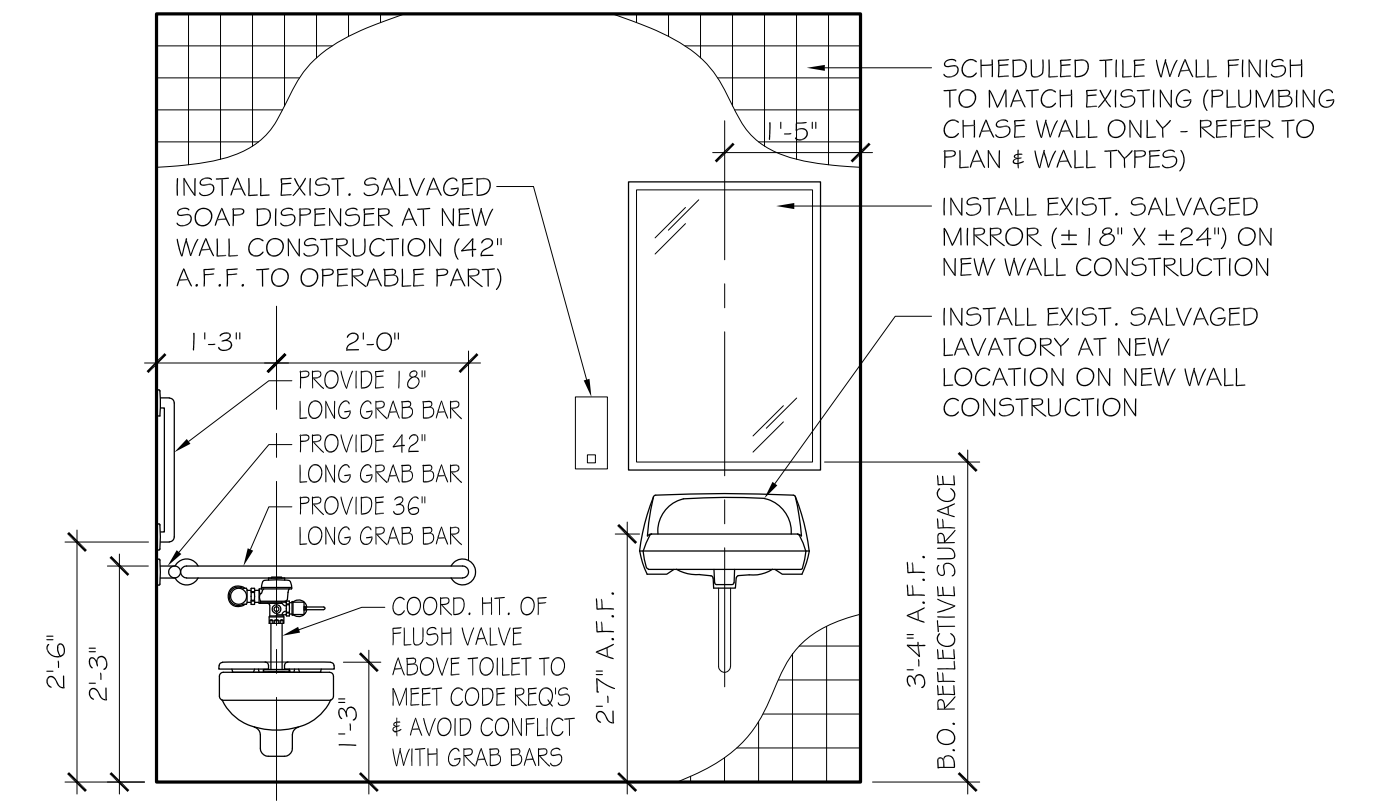
**MALE TOILET #08**  
**INTERIOR ELEVATION**  
 SCALE: 1/2" = 1'-0"

3  
A102



**MALE TOILET #44**  
**INTERIOR ELEVATION**  
 SCALE: 1/2" = 1'-0"  
 FEMALE TOILET #43 SIMILAR

4  
A102



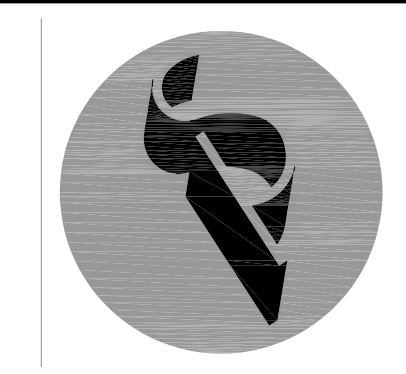
**MALE TOILET #44**  
**INTERIOR ELEVATION**  
 SCALE: 1/2" = 1'-0"  
 FEMALE TOILET #43 SIMILAR

5  
A102

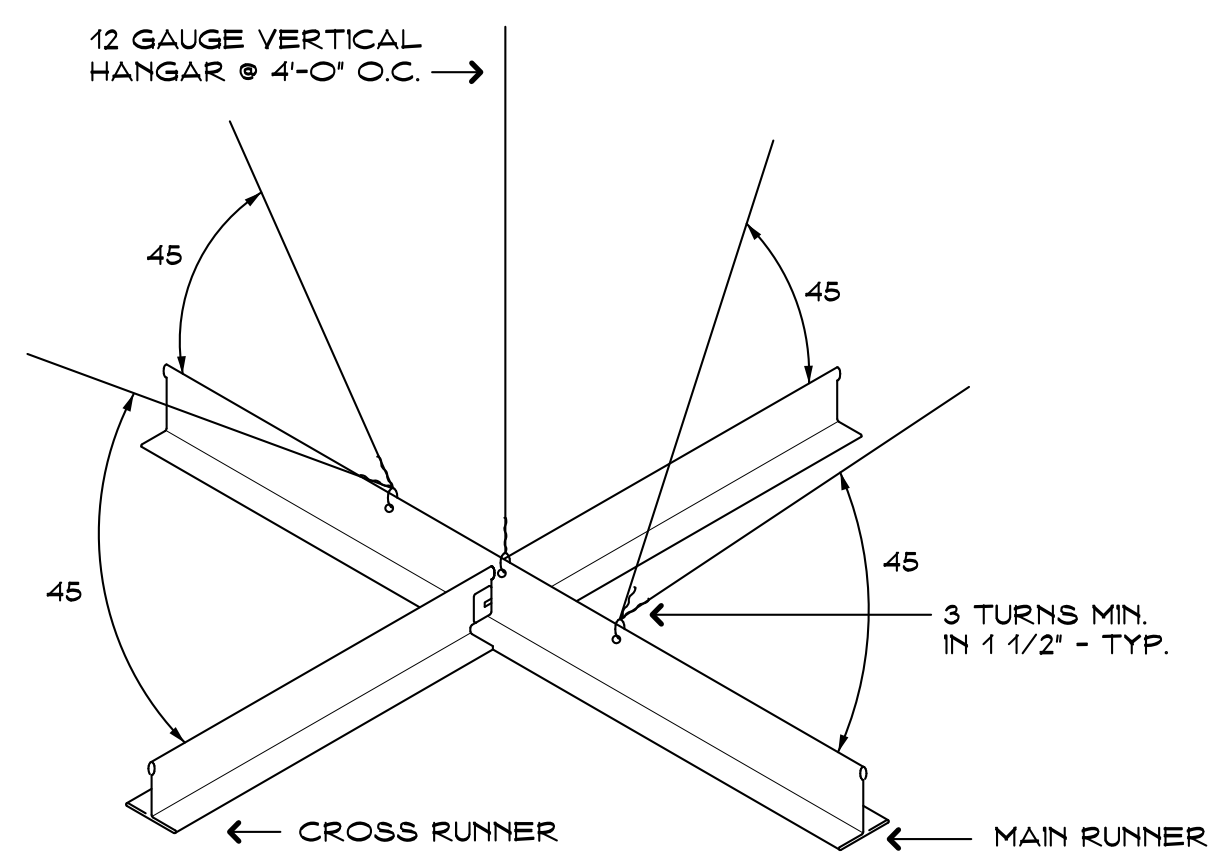


**CORRIDOR #22**  
**INTERIOR ELEVATION**  
 SCALE: 1/2" = 1'-0"

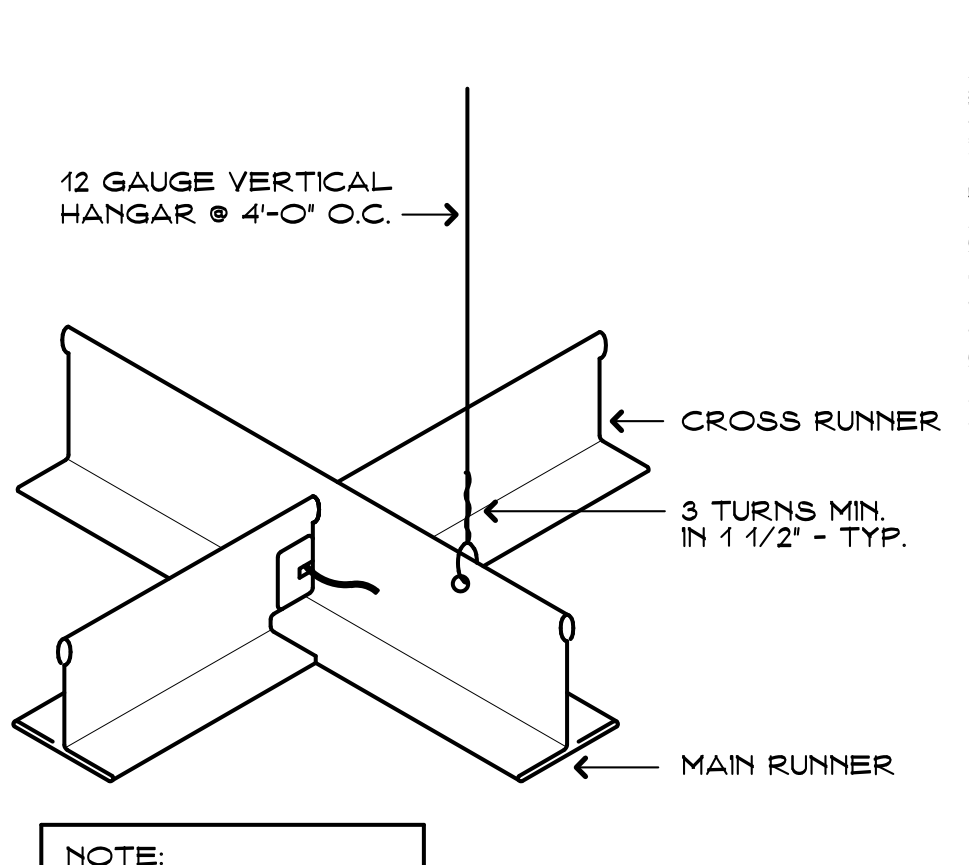
6  
A102



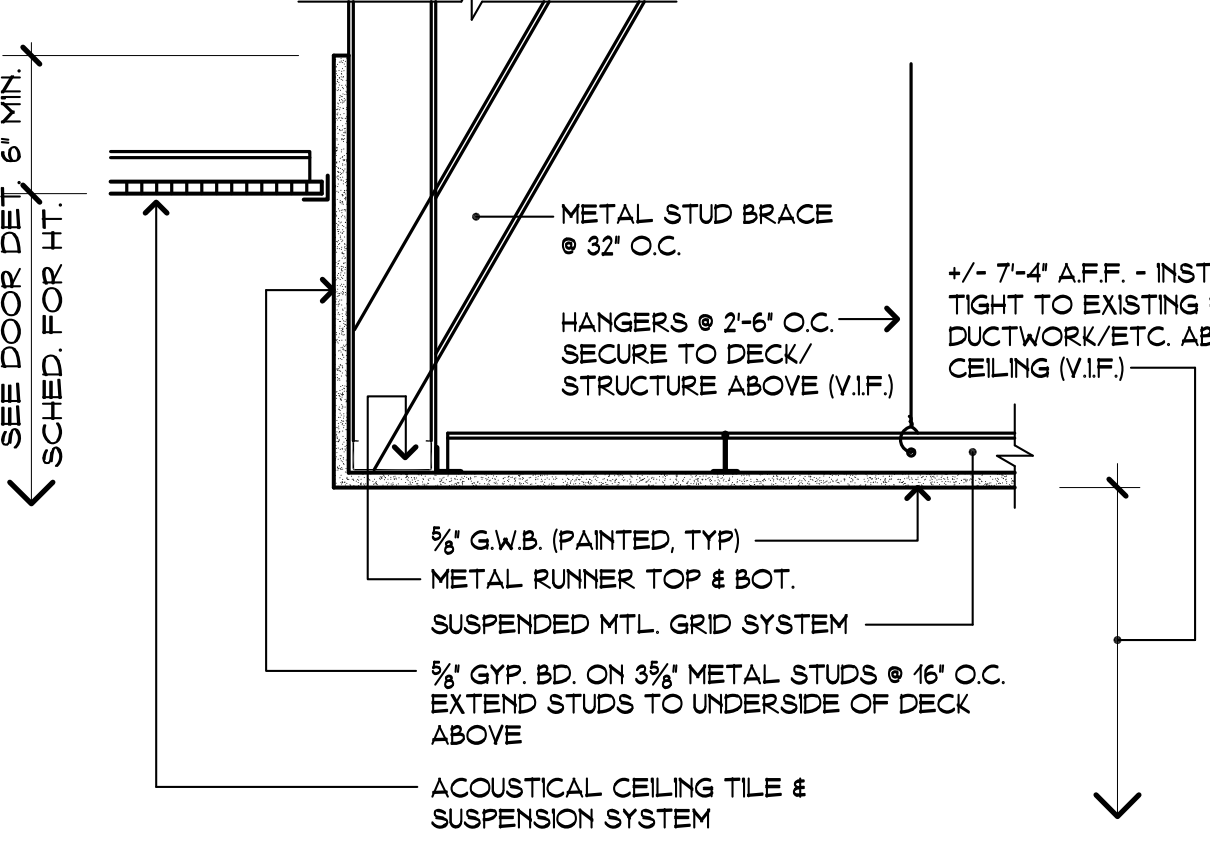
Revision	Description	Date	Revised By



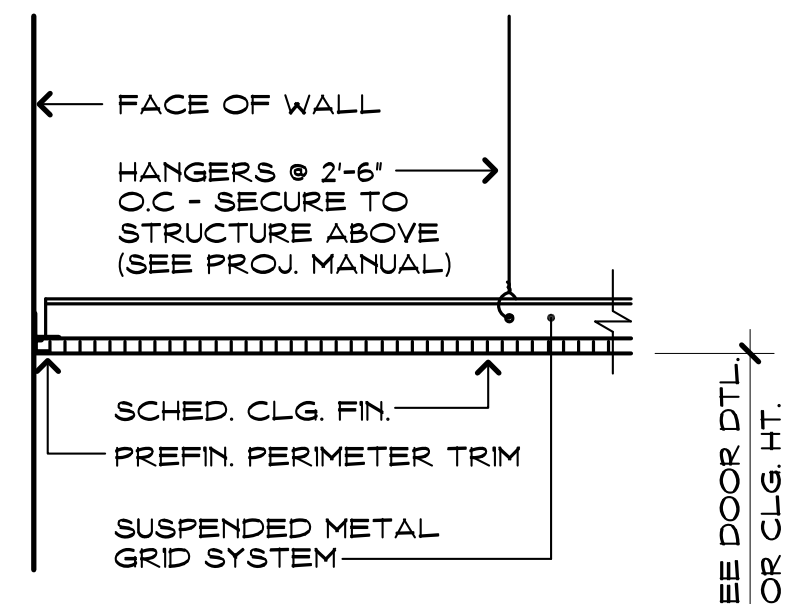
**SEISMIC BRACING DETAIL** A  
SCALE: NONE



NOTE:  
BRACING TO OCCUR  
@ 4'-0" O.C. - TYP.



**CEILING DETAIL** B  
SCALE: 1 1/2" = 1'-0"



**CEILING DETAIL** C  
SCALE: 1 1/2" = 1'-0"

ROOM FINISH SCHEDULE										
ROOM NO.	ROOM NAME	FLOOR		WALL FINISH				CEILING		NOTES
		FLOOR FINISH	WALL BASE	NORTH	SOUTH	EAST	WEST	MAT'L	FINISH	
08	MALE TOILETS	EX CT	EX CT	←	SEE NOTES	→	→	ACT-1	-	NOTES 1, 2, 4
09	FEMALE TOILETS	EX CT	EX CT	←	SEE NOTES	→	→	ACT-1	-	NOTES 1, 2, 4
20	STAFF TOILET	EX CT	EX CT	←	SEE NOTES	→	→	ACT-1	-	NOTES 1, 2, 4
43	FEMALE TOILET	EX CT	EX CT	←	SEE NOTES	→	→	ACT-1	-	NOTES 1, 2
44	MALE TOILET	EX CT	EX CT	←	SEE NOTES	→	→	ACT-1	-	NOTES 1, 2
57	MALE TOILET	EX CT	EX CT	←	SEE NOTES	→	→	ACT-1	-	NOTES 1, 2, 4
59	FEMALE TOILET	EX CT	EX CT	←	SEE NOTES	→	→	ACT-1	-	NOTES 1, 2, 4
66	STAFF TOILET	EX CT	EX CT	←	SEE NOTES	→	→	ACT-1	-	NOTES 1, 2, 4
67	STAFF TOILET	EX CT	EX CT	←	SEE NOTES	→	→	ACT-1	-	NOTES 1, 2, 4
68	TEACHER'S ROOM	EX VCT	EX RB	←	SEE NOTES	→	→	ACT-1	-	NOTE 3
72	TOILET ROOM	EX CT	EX CT	←	SEE NOTES	→	→	ACT-1	-	NOTES 1, 2, 4
95	MALE TOILETS	EX CT	EX CT	←	SEE NOTES	→	→	ACT-1	-	NOTES 1, 2, 4
98	FEMALE TOILETS	EX CT	EX CT	←	SEE NOTES	→	→	ACT-1	-	NOTES 1, 2

**GENERAL FINISH NOTES**

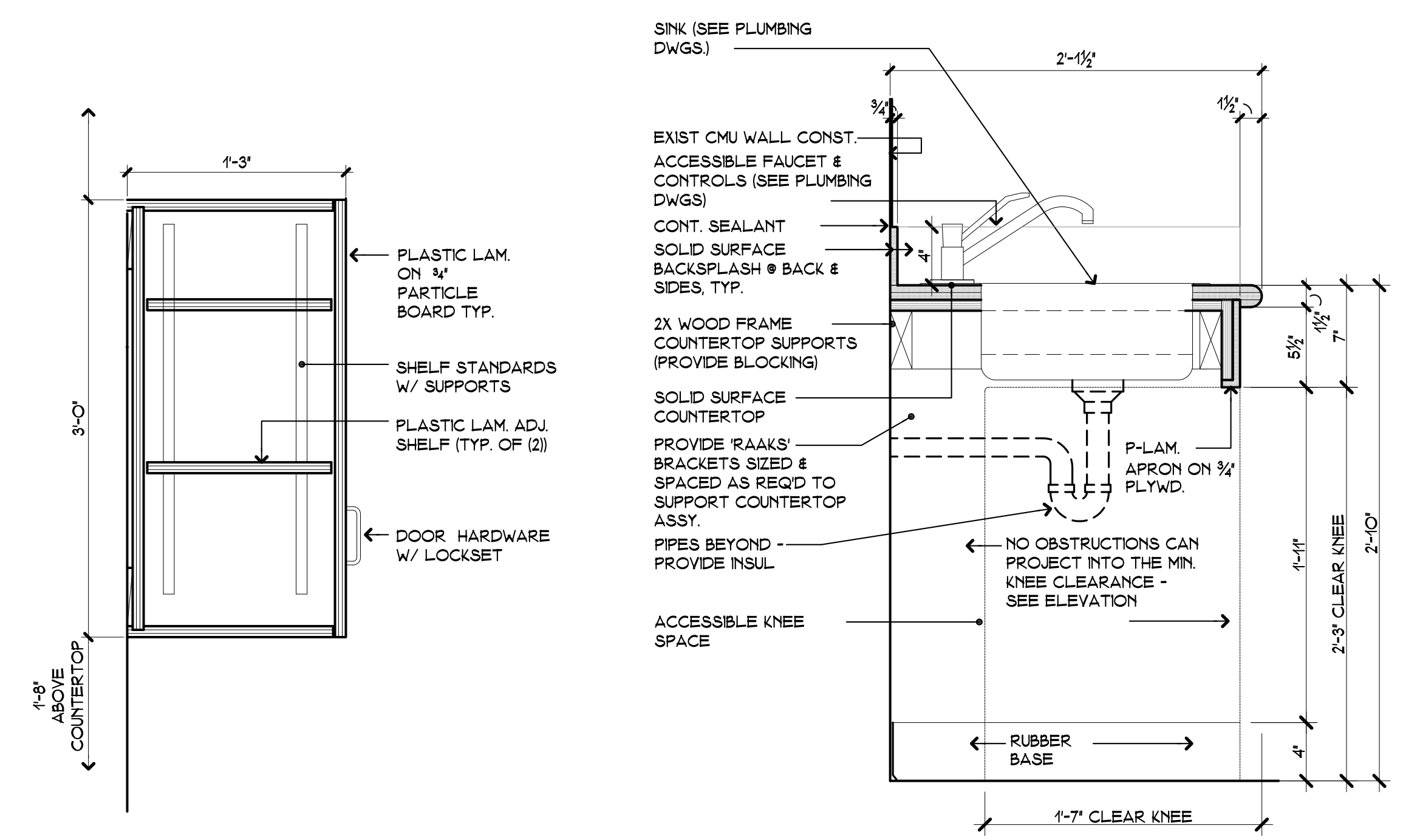
- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS & DIMENSIONS AND NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
- FINISH MATERIALS PROVIDED ADJACENT TO E.T.R. FINISHES, ARE REQUIRED TO MATCH THE E.T.R. MATERIAL, SIZE, STYLE, PATTERN, ETC. WHERE COLOR SELECTIONS ARE REQUIRED, ARCHITECT WILL SELECT COLOR FROM MANUFACTURER'S FULL RANGE OF AVAILABLE COLORS. REFER TO THE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
- COORDINATE REPLACEMENT OF DAMAGED SUSPENDED CEILING TILES WITH OWNER TO HARVEST MATCHING CEILING TILES FROM OTHER AREAS WITHIN THE BUILDING FOR PATCHING USE AT AREAS OF HIGH VISIBILITY OR WHERE ONLY A SMALL AREA OF TILES ARE BEING REPLACED IN A LARGE ROOM/CORRIDOR. PROVIDE NEW CEILING TILES TO MATCH EXISTING AT HARVESTING SOURCE LOCATIONS, AND PROVIDE NEW CEILING TILES TO MATCH EXISTING AT LOCATIONS WHERE HARVESTED TILES ARE NOT AVAILABLE. THIS NOTE IS APPLIES TO ALL AREAS OF WORK WITHIN THE PROJECT SCOPE, INCLUDING BUT NOT LIMITED TO SPACES NOTED IN THE ABOVE FINISH SCHEDULE.

**FINISH SCHEDULE NOTES**

- PROVIDE TILE WALL FINISH TO MATCH EXISTING SIZE/STYLE (V.I.F.) - COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE. PROVIDE PAINTED FINISH ON NEW/EXISTING CMU/MASONRY/GWB SUBSTRATE ABOVE TILING TO MATCH EXISTING.
- MODIFY/APPEND & REPAIR EXISTING SUSPENDED CEILING ASSEMBLIES WITHIN AREAS OF WORK - PROVIDE REPLACEMENT COMPONENTS TO MATCH EXISTING (V.I.F.)
- PATCH, PREP & PAINT CMU WALL SURFACES BEHIND FORMER SINK/RANGE/FRIDGE APPLIANCE & PREPARE TO RECEIVE CABINETRY & COUNTERTOP WORK. ASSUME PATCH & REPLACEMENT OF EXISTING VCT & RUBBER WALL BASE AT FOOTPRINT OF REMOVED APPLIANCE (V.I.F.) - MATCH EXISTING COLOR.
- PATCH, PREP, PRIME & PAINT EXISTING PAINTED WALL SURFACES WITHIN ROOM.

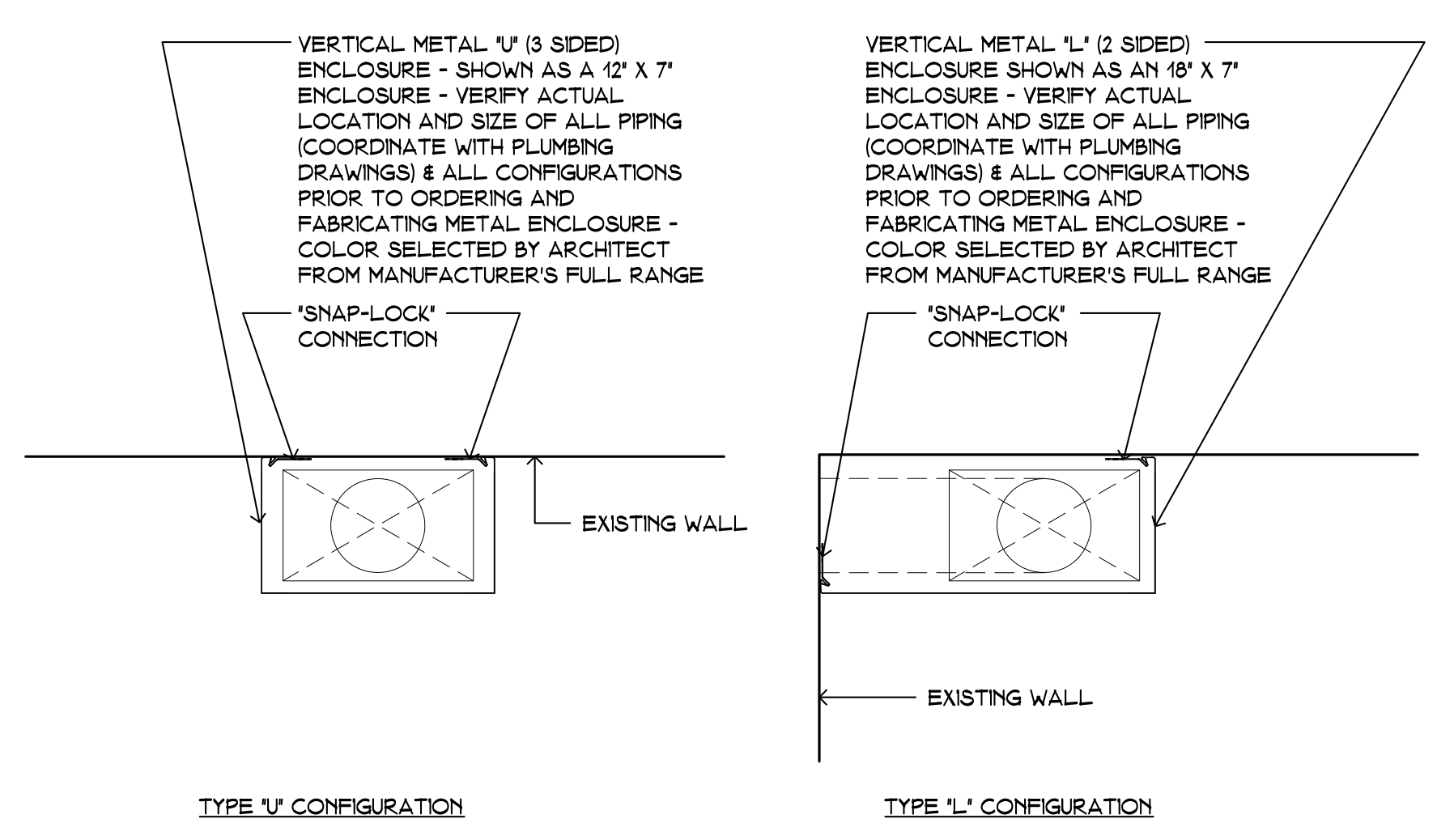
**FINISH SCHEDULE LEGEND:**

- ACT - ACOUSTICAL CEILING TILE
- ETR - EXISTING TO REMAIN
- VCT - VINYL COMPOSITION TILE
- RB - RUBBER BASE
- GWB - GYPSUM WALL BOARD
- CMU - CONCRETE MASONRY UNIT
- CT - CERAMIC TILE
- EX - EXISTING

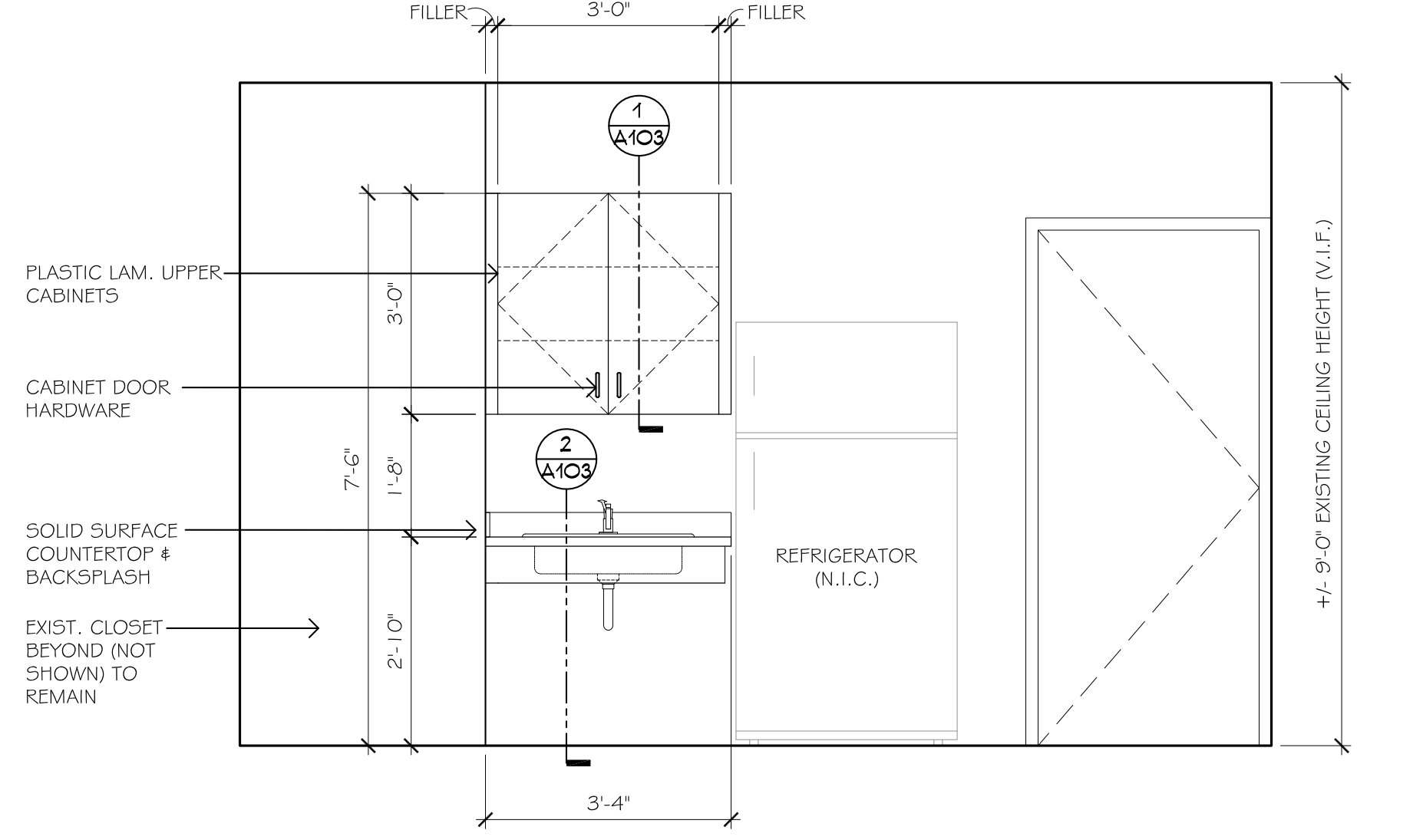


**UPPER CABINET DETAIL** 1  
SCALE: 1 1/2" = 1'-0"

**ACCESSIBLE SINK DETAIL - ADULT** 2  
SCALE: 1 1/2" = 1'-0"



**TYPICAL PRE-FABRICATED METAL PIPE ENCLOSURE DETAILS** 4  
SCALE: 1 1/2" = 1'-0"



**TEACHER'S ROOM INTERIOR ELEV.** 3  
SCALE: 1/2" = 1'-0"



Revision	Description	Date	Revised By

**PLUMBING GENERAL NOTES**

**GENERAL**

THE INTENT OF THESE CONTRACT DOCUMENTS (SPECIFICATIONS AND DRAWINGS) IS FOR THE CONTRACTOR TO FURNISH AND INSTALL COMPLETE PLUMBING SYSTEMS. ALL SYSTEMS SHALL BE COMPLETE IN ALL RESPECTS, OPERATING, TESTED, ADJUSTED, APPROVED BY THE AUTHORITIES HAVING JURISDICTION AND READY FOR OPERATIONAL USE BY THE OWNER.

WHEN A CONFLICT BETWEEN THE DRAWINGS, NOTES AND/OR SPECIFICATIONS OCCUR, THE MORE STRINGENT AND/OR LARGER QUANTITY AND/OR MORE EXPENSIVE SHALL APPLY. THE REQUIREMENTS LISTED WITHIN NOTES OR SPECIFICATIONS SHALL BE REQUIRED, PROVIDED AND NOT INSTALLED WHETHER SPECIFICALLY INDICATED ON THE DRAWINGS OR NOT.

ITEMS AND SERVICES NOT SHOWN ON DRAWINGS OR SPECIFICATIONS BUT REQUIRED TO FINISH THE WORK COMPLETE AND READY FOR OPERATION, SHALL BE PROVIDED WITHOUT ADDITIONAL COST.

WORK OF THIS SECTION SHALL BE GOVERNED BY THE CONTRACT DOCUMENTS. PROVIDE MATERIALS, LABOR, EQUIPMENT AND SERVICES NECESSARY TO FURNISH, DELIVER AND INSTALL ALL WORK AS SPECIFIED AND AS REQUIRED BY JOB CONDITIONS. WHERE A CONFLICT EXISTS BETWEEN THESE NOTES, THE DRAWINGS AND THE SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY.

DRAWINGS ARE DIAGNOSTIC AND INDICATE A GENERAL ARRANGEMENT OF WORK AND ARE NOT TO BE CONSIDERED SUB-CONTRACTOR DOCUMENTS. IT IS THE INTENT OF THESE DOCUMENTS TO INCLUDE THE PROVISION AND INSTALLATION OF ALL NECESSARY WORK AND MATERIALS FOR COMPLETE, OPERATIONAL AND CODE COMPLIANT SYSTEMS BY THE CONTRACTOR. GENERAL DESIGN CONCEPTS INDICATED MUST BE FOLLOWED UNLESS OTHERWISE SPECIFIED. THIS INCLUDES OFFSETS, ADDITIONAL PIPING, VALVES AND EQUIPMENT AND COMPONENTS AS REQUIRED TO MEET CONSTRUCTION CONDITIONS FOR PROPER OPERATION. DO NOT SCALE DRAWINGS. CONSULT ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR SPACE CONDITIONS AND ADDITIONAL REQUIREMENTS.

PERFORM THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT GENERAL CONDITIONS AND WITH THE PROVISIONS OF ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES AND LAWS.

WORK SHALL INCLUDE ALL INCIDENTALS, LABOR, MATERIAL, EQUIPMENT, APPLIANCES, SERVICES, HOISTING, SUPPORTS, TOOLS, CONSUMABLE ITEMS, FEES, LICENSES, AND ADMINISTRATIVE TASKS REQUIRED TO COMPLETE AND MAKE OPERABLE WORK SHOWN ON THE DRAWINGS, SPECIFIED HEREIN AND AS REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

ALL EQUIPMENT, MATERIALS AND RELATED SYSTEMS COMPONENTS SHALL BE NEW UNLESS SPECIFICALLY NOTED OTHERWISE.

STORE MATERIALS INSIDE AND PROTECTED FROM DEBRIS, WEATHER AND MOISTURE.

THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL POWER AND CONTROL WIRING REQUIRED FOR EQUIPMENT OPERATION REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.

PROVIDE AND INSTALL ALL MAKE-UP WATER DISTRIBUTION TO HVAC EQUIPMENT INCLUDING BACKFLOW PREVENTER.

REPAIR AND/OR REPLACE AT NO COST TO OWNER ALL EQUIPMENT AND MATERIALS DAMAGED DURING CONSTRUCTION.

**COORDINATION**

THE CONTRACTOR SHALL OBTAIN AND REVIEW ALL CONTRACT DOCUMENTS, INCLUDING PROJECT MANUAL, PLANS AND SPECIFICATIONS OF ALL TRADES BEFORE SUBMITTING BID. REFER TO SPECIFICATIONS, PROJECT MANUAL AND PLANS, INCLUDING ALL EQUIPMENT SCHEDULES FOR INFORMATION. CONTRACTOR SHALL WALK THROUGH BUILDING PRIOR TO SUBMITTING BID WHEN AVAILABLE.

ALL OF THE CONTRACT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY TO FORM A TOTAL DESIGN PACKAGE. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER TO DETERMINE WHICH TRADE CONTRACTOR IS RESPONSIBLE FOR VARIOUS PORTIONS OF THE WORK.

ALL WORK AND ACTION DEPICTED AND DESCRIBED SHALL BE PERFORMED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.

THE PLUMBING CONTRACTOR SHALL VERIFY THESE DRAWINGS WITH EXISTING FIELD CONDITIONS BEFORE PROCEEDING WITH CONSTRUCTION.

THE DRAWINGS ARE DIAGNOSTIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. THE CONTRACTOR SHALL COORDINATE LOCATIONS OF EQUIPMENT WITH ALL TRADES BEFORE STARTING CONSTRUCTION. ANY MODIFICATIONS TO THE EQUIPMENT LAYOUT REQUIRED FOR INSTALLATION, ARE TO BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER. LOCATION AND SIZE OF ALL FLOOR, WALL AND ROOF PENETRATIONS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.

**SHOP DRAWINGS**

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO BE APPROVED, REVISED, OR RESUBMITTED AS PER THE ENGINEER'S COMMENTS, PRIOR TO CONSTRUCTION. INCLUDES BUT NOT LIMITED TO THE FOLLOWING:

- PLUMBING FIXTURES -PIPES -PIPE SEALS
- FITTINGS -BRACINGS -HANGERS/SUPPORTS
- WATER HEATERS -INSULATION -MIXING VALVES
- EXPANSION TANKS -VALVES -PUMPS

**AS-BUILT DRAWINGS**

PROVIDE A COMPLETE SET OF AS-BUILT DRAWINGS REFLECTING AS INSTALLED CONDITIONS. AS-BUILT DRAWINGS SHALL INDICATE ALL INSTALLED CONDITIONS OF SYSTEMS WITHIN THIS DISCIPLINE. DRAWINGS SHALL BE OF SIMILAR SCALE AS THE CONSTRUCTION DOCUMENTS AND INCLUDE DETAILS AS NECESSARY TO CLEARLY REFLECT THE INSTALLED CONDITION. DRAWINGS SHALL BE BOUND IN A COMPLETE AND CONSECUTIVE SET. SUPPLEMENTAL SKETCHES AND LOOSE PAPERWORK WILL NOT BE ACCEPTABLE AND WILL BE RETURNED FOR REVISION. THE CONTRACTOR SHALL COMPLY WITH THE ENGINEER'S COMMENTS TO PRODUCE A CLEAR AND CONCISE SET OF DRAWINGS. DRAWINGS SHALL BE SUBMITTED IN BOTH HARD COPY AND ELECTRONIC (AUTO-CAD) VERSION AS REQUIRED BY THE OWNER'S VERSION. NUMBER OF COPIES OF EACH AS REQUESTED BY THE OWNER.

PROVIDE AS-BUILT DRAWINGS INDICATING IN A NEAT AND ACCURATE MANNER A COMPLETE RECORD OF ALL REVISIONS OF THE ORIGINAL DESIGN OF THE WORK. INDICATE THE FOLLOWING INSTALLED CONDITIONS:

INCLUDE ALL CHANGES AND AN ACCURATE RECORD ON REPRODUCTIONS OF THE CONTRACT DRAWINGS OR APPROPRIATE SHOP DRAWINGS OF ALL DEVIATIONS, BETWEEN THE WORK SHOWN AND WORK INSTALLED.

MAINS AND BRANCHES OF PIPING SYSTEMS, WITH VALVES AND CONTROL DEVICES LOCATED AND NUMBERED, CONCEALED UNIONS LOCATED, AND WITH ITEMS REQUIRING MAINTENANCE LOCATED (E.I. TRAPS, STRAINERS, EXPANSION COMPENSATORS, TANKS, ETC.), VALVE LOCATION DIAGRAMS, COMPLETE WITH VALVE TAG SHEET, EQUIPMENT LOCATIONS (EXPOSED AND CONCEALED), DIMENSIONED FROM PROMINENT BUILDING LINES.

APPROVED SUBSTITUTIONS, CONTRACT MODIFICATIONS, AND ACTUAL EQUIPMENT AND MATERIALS INSTALLED.

CONTRACT MODIFICATIONS, ACTUAL EQUIPMENT AND MATERIALS INSTALLED.

SUBMIT FOR REVIEW BOUND SETS OF THE REQUIRED DRAWINGS, MANUALS AND OPERATING INSTRUCTIONS.

SUBMIT A COMPLETE MAINTENANCE MANUAL OF ALL EQUIPMENT INSTALLED UNDER THIS CONTRACT.

**HANGERS AND SUPPORT**

PROVIDE ALL NECESSARY STRUCTURAL MEMBERS INCLUDING ADDITIONAL STRUCTURAL SUPPORT TO SUPPORT PIPING AND EQUIPMENT. HANGERS AND SUPPORTS SHALL BE OF AN APPROVED DESIGN NECESSARY TO SUPPORT PIPING, EQUIPMENT AND TO KEEP PIPING IN PROPER ALIGNMENT AND PREVENT TRANSMISSION OF NOISE, VIBRATIONS, AND SHOCKS. IN ALL CASES WHERE HANGERS, BRACKETS, ETC., ARE SUPPORTED FROM CONCRETE CONSTRUCTION, DO NOT WEAKEN CONCRETE OR PENETRATE WATERPROOFING. ALL HANGERS AND SUPPORTS SHALL BE CAPABLE OF SCREW ADJUSTMENT AFTER PIPING IS ERECTED. HANGERS SUPPORTING PIPING EXPANDING INTO FLOORS, BEAMS AND CEILING SHALL BE SECURED TO THE BUILDING STRUCTURE IN SUCH A MANNER THAT HORIZONTAL ADJUSTMENT PERPENDICULAR TO THE RUN OF PIPING SUPPORTED MAY BE MADE TO ACCOMMODATE DISPLACEMENT DUE TO EXPANSION. ALL SUCH HANGERS SHALL BE FINALLY ADJUSTED BOTH IN THE VERTICAL AND HORIZONTAL DIRECTION, AS REQUIRED. HANGERS IN CONTACT WITH COPPER OR BRASS PIPE SHALL BE DIELECTRIC COMPATIBLE WITH COPPER AND BRASS ALLOY OR PROVIDED WITH FELL SLEEVE.

PROVIDE ADDITIONAL SUPPORT FOR PIPING AND EQUIPMENT WHEN DECK IS NOT CAPABLE OF SUPPORT.

BEAM CLAMPS - HANGERS SUPPORTED FROM STEEL SHALL BE CENTER LOADING BEAM CLAMPS FOR HANGERS SUPPORTING PIPING 2 INCHES. FOR PIPING 2-1/2 INCHES AND LARGER, BEAM CLAMPS SHALL BE FORGED STEEL. C' CLAMPS ARE NOT TO BE USED.

PROVIDE AND INSTALL EXPANSION COMPENSATION FOR ALL PIPING. SUBMIT PLANS, CALCULATIONS AND EQUIPMENT DATA.

BAND IRON, TIE WIRE, METAL STRAPPINGS OR WIRE STRAPPINGS SHALL NOT BE PERMITTED TO SUPPORT PIPING OR EQUIPMENT.

**PIPE SEALS**

SEAL ALL PIPING PASSING THROUGH ALL FIRE AND/OR SMOKE RATED PARTITIONS AND WALLS WITH A UL LISTED, APPROVED AND TESTED FIRE AND/OR SMOKE SEALING MATERIAL, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

FURNISH AND SET STEEL PIPE SLEEVES OF SCHEDULE 40 BLACK STEEL FOR ALL LOCATIONS OF INTERIOR PARTITIONS, WALLS AND FLOORS. PROVIDING AT LEAST 1" CLEARANCE BETWEEN PIPE INSULATION AND SLEEVE OR PIPE AND SLEEVE. WALL SLEEVES SHALL BE SMOOTH CUT AND SET FLUSH WITH FINISHED WALLS. FLOOR SLEEVES SHALL EXTENDED 2" ABOVE THE FINISHED FLOOR.

ALL PIPING THROUGH WALLS, FLOORS OR CEILING SHALL HAVE SLEEVES AND ESCUTCHEONS. PROVIDE A TWO PIECE CHROME ESCUTCHEON WHERE PIPING PASSES THROUGH WALLS OR FLOORS OF FINISHED SPACES.

**PLUMBING FIXTURES**

PLUMBING FIXTURES (AS INDICATED ON DRAWINGS) SHALL BE NEW, COMPLETE WITH TRIMMINGS AND FITTINGS, INCLUDING FAUCETS, CARRIERS, SUPPLIES, STOPS, TRAPS, TAILPIECES, WASTE PLUGS, CASINGS, HANGERS, PLATES, BRACKETS, AND OTHER SPECIALTY HARDWARE AND FASTENING DEVICES. NOTE: ALL FIXTURES SHALL BE OF SAME MANUFACTURER. TRIMMINGS AND FITTINGS SHALL BE CONSTRUCT OF FORGED, CAST, ROLLED OR EXTRUDED BRASS OR BRONZE WITH MODEL AND OTHER SUITABLE NON-CORROSIVE PARTS. DESIGNED WITH EASILY-RENEWABLE PARTS THAT ARE SUBJECT TO WEAR OR DETEIORATION. NO DIE CASTINGS AND STAMPINGS OTHER THAN BRASS OR STAINLESS STEEL. PROVIDE PLUMBING FIXTURES AND TRIM WITH ALL NECESSARY TRIM DEVICES AND ACCESSORIES REQUIRED FOR PROPER OPERATIONS SPECIFICALLY NOTED OR NOT.

ESCUTCHEONS SHALL BE ONE-PIECE CHROME PLATED CAST BRASS OR STAINLESS STEEL.

EXAMINE ROUGH-IN WORK OF POTABLE WATER AND WASTE PIPING SYSTEMS TO VERIFY ACTUAL LOCATIONS OF PIPING CONNECTIONS PRIOR TO INSTALLING FIXTURES. CORRECT ANY INACCURATE LOCATION OF PIPING AND UNSATISFACTORY CONDITIONS FOR INSTALLATION OF PLUMBING FIXTURES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN A MANNER ACCEPTABLE TO THE ENGINEER. ALL ROUGH-IN TO PLUMBING FIXTURES SHALL CONFORM TO FIXTURE MANUFACTURER PUBLISHED ROUGH-IN DIMENSIONS AND REQUIREMENTS.

UPON COMPLETION OF INSTALLATION OF PLUMBING FIXTURES AND AFTER UNITS ARE WATER PRESSURIZED, TEST FIXTURES TO DEMONSTRATE CAPABILITY AND COMPLIANCE WITH REQUIREMENTS. CORRECT MALFUNCTIONING UNITS AT SITE, THEN RETEST TO DEMONSTRATE COMPLIANCE. OTHERWISE REMOVE AND REPLACE WITH NEW UNITS AND PROCEED WITH RETESTING.

CLEAN PLUMBING FIXTURES, TRIM AND STRAINERS OF DIRT AND DEBRIS UPON COMPLETION OF INSTALLATION.

ADJUST WATER PRESSURE AT DRINKING FOUNTAINS, FAUCETS, AND FLUSH VALVES TO PROVIDE PROPER FLOW STREAM AND SPECIFIED GPM.

SET FIXTURES LEVEL AND UNIFORMLY, WITH CONNECTIONS AT RIGHT ANGLES TO WALL AND PROPERLY CENTERED. LAY OUT ROUGHING ACCURATELY AND IN COORDINATION WITH SPACE AND FINISH REQUIREMENTS.

LOCATE WASTE OUTLETS AND WATER SUPPLIES AT CONSTANT HORIZONTAL LEVELS, WITH WASTE OUTLET CENTERED ON FIXTURE DRAIN CONNECTION AND WATER SUPPLIES SPACED EQUALLY TO RIGHT AND LEFT.

REFER TO THE ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF EQUIPMENT. COLORS SHALL BE COORDINATED WITH THE ARCHITECT. CONTACT ARCHITECT FOR CLARIFICATION IF INFORMATION IS NOT CONTAINED IN THE DRAWINGS.

**MISCELLANEOUS SPECIALTIES**

ALL EQUIPMENT, VALVES, STRAINERS, UNIONS, TRAPS, FLANGES AND OTHER APPURTENANCES REQUIRING ACCESS SHALL BE LOCATED IN ACCESSIBLE LOCATIONS. WHEN A PIECE OF EQUIPMENT MUST BE LOCATED ABOVE AN INACCESSIBLE CEILING OR WALL, THEN THE APPROPRIATE ACCESS DOOR SHALL BE PROVIDED. SUCH EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, CLEANOUTS, WATER HAMMER ARRESTORS AND VALVES. THESE SHALL BE COORDINATED WITH THE ARCHITECT. ACCESS DOORS SHALL BE RSD CONSTRUCTION WITH TWO HINGES AND A LATCH. IN PLENUM CEILING PROVIDE FELT BETWEEN THE DOOR AND FRAME TO MAKE AN AIR TIGHT SEAL. ACCESS DOORS SHALL BE RATED TO THE SAME OR GREATER RATING OF THE PARTITION IN WHICH THEY ARE INSTALLED. ACCESS DOORS SHALL BE FLUSH MOUNTED. FRAME COATED WITH RUBBER INHIBITIVE PAINT; CONCEALED FRAME. FLUSH SCREW DRIVER OPERATED LOCKS WITH METAL GAYS AND ANCHORS AS REQUIRED.

ACCESS DOOR SIZES SHALL BE:  
 12" X 14" WHERE FULL BODY ACCESS IS REQUIRED  
 16" X 16" WHERE PARTIAL BODY ACCESS IS REQUIRED  
 24" X 24" WHERE FULL BODY ACCESS IS REQUIRED

PROVIDE AND INSTALL DRP PANS WITH WATER DETECTOR AND DRAIN FOR PIPING REQUIRED BY ACTUAL FIELD CONDITIONS WHERE PIPING PASSES OVER INCLUDING AREA WITHIN 3'-0" OF ELECTRICAL EQUIPMENT.

**PLUMBING ABBREVIATIONS**

ABBREVIATION	DESCRIPTION
ADA	AMERICAN DISABILITIES ACT
A.F.F.	ABOVE FINISHED FLOOR
A.F.G.	ABOVE FINISHED GRADE
B.F.F.	BELOW FINISHED FLOOR
B.F.P.	BACKFLOW PREVENTER
B.V.	BUTTERFLY INDICATING VALVE
BLDG.	BUILDING
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNITS PER HOUR
C.E.	CIVIL ENGINEER
CONT.	CONTINUED
CO	CLEANOUT PLUG
CPVC	CHLORINATED POLYVINYL CHLORIDE
CV	CHECK VALVE
CW	COLD WATER
D.F.U.	DRAINAGE FIXTURE UNITS
DA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EACH
E.C.	ELECTRICAL CONTRACTOR
E.W.H.	ELECTRIC WATER HEATER
EX	EXISTING
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
PDF	FLOOR DRAIN WITH FUNNEL
PDF-R	FLOOR DRAIN WITH ROUND FUNNEL
F.F.	FINISHED FLOOR
F.F.E.	FINISHED FLOOR ELEVATION
FLR.	FLOOR
F.P.C.	FIRE PROTECTION CONTRACTOR
FS	FLOOR SINK
FSB	FLOOR SINK WITH SEDIMENT BUCKET
FSH	FLOOR SINK WITH HALF GRATE
FSQ	FLOOR SINK WITH THREE-QUARTER GRATE
FT	FEET
F.U.	FIXTURE UNITS
GAL.	GALLONS
G.C.	GENERAL CONTRACTOR
GPF	GALLONS PER FLUSH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
WH	GAS WATER HEATER
HD	HUB DRAN
HP	HORSEPOWER
HR	HOUR
HW	HOT WATER
HWR	HOT WATER RECIRCULATION
KW	KILOWATTS
MAX	MAXIMUM
MBTUH	THOUSANDS OF BTU PER HOUR
M.C.	MECHANICAL CONTRACTOR
MN	MINIMUM
MISC.	MISCELLANEOUS
NC	NORMALLY CLOSED
N/C	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
P.C.	PLUMBING CONTRACTOR
P.R.A.	PROTECTED ROOF AREA
P.SI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
RAO	RADIUS
RD	ROOF DRAIN
RO	ROOF OVERFLOW
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RL	RAINWATER LEADER
S.C.	STEEL CONTRACTOR
SF	SQUARE FEET
SS	SANITARY SEWER STACK
TB	THRUST BLOCK
TD	TRENCH DRAIN
TP	TRAP PRIMER
TPY	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
V	VENT
VB	VACUUM BREAKER
V.I.F.	VERIFY IN FIELD
VS	VENT STACK
VTR	VENT THROUGH ROOF
WCO	WALL CLEANOUT
HB	WALL HYDRANT
PH-B	FREEZE PROOF HOSE BIB
YCO	YARD CLEANOUT
Ø	DIAMETER

NOTE: SOME SYMBOLS AND ABBREVIATIONS SHOWN MAY NOT PERTAIN TO THIS PROJECT.

**PLUMBING DEMOLITION NOTES**

ALL EQUIPMENT, FIXTURES, PIPING ETC. TO BE REMOVED SHALL BE DISPOSED OF, TURNED OVER TO THE OWNER, OR SALVAGED AS DIRECTED BY THE OWNER. EQUIPMENT, FIXTURES, PIPING, DEVICES, ETC. SHALL NOT BE REMOVED FROM THE PREMISES WITHOUT THE OWNERS APPROVAL.

ALL ABANDONED PIPING TO REMAIN SHALL BE PROPERLY PLUGGED, VALVED, CAPPED AND/OR BY PASSED SUCH THAT UPON COMPLETION OF WORK, ALL ABANDONED SYSTEMS ARE PROPERLY CONCEALED, AND THAT EXISTING SYSTEMS TO REMAIN, REMAIN OPERATIONAL.

ALL SYSTEMS SHALL BE LEFT IN PERFECT WORKING ORDER UPON COMPLETION OF ALL NEW WORK.

ALL EXISTING EXPOSED, UNNECESSARY PIPING RELATED TO NEW WORK SHALL BE COMPLETELY REMOVED.

REMOVE OR REMOVE ALL EXISTING PIPING AND SYSTEMS NECESSARY TO AVOID NEW EQUIPMENT, STRUCTURAL OR MASONRY WORK AS REQUIRED BY THE PROPOSED ALTERATIONS.

COORDINATE PLUMBING SERVICES SHUT DOWN (HEAT, GAS, WASTE VENT & STORM SYSTEMS) WITH THE BUILDING MANAGER AND UTILITY COMPANY.

**LINETYPE LEGEND**

EXISTING	DEMO	NEW	DESCRIPTION
---	-X-	-X-O-	COLD WATER (CW)
---	-X-	-X-H-	HOT WATER (HW)
---	-X-	-X-HWC-	HW RETURN (HWR)
---	-X-	-X-FC-	FIRE (F)
---	-X-	-X-FC-	FIRE (F)
---	-X-	-X-FC-	FIRE PROTECTION (FP)

**PLUMBING DRAWING LIST**

DRAWING NUMBER	DRAWING DESCRIPTION
P001	PLUMBING COVER SHEET
P00	OVERALL PLUMBING DEMOLITION PLAN
P01	ENLARGED PARTIAL SUPPLY PLAN - AREA A
P02	ENLARGED PARTIAL SUPPLY PLAN - AREA B
P03	ENLARGED PARTIAL SUPPLY PLAN - AREA C
P04	ENLARGED PARTIAL SUPPLY PLAN - AREA D
P05	ENLARGED PARTIAL SUPPLY PLAN - AREA E
P06	ENLARGED PARTIAL SUPPLY PLAN - AREA F
P07	ENLARGED PARTIAL SUPPLY PLAN - AREA G
P08	ENLARGED PARTIAL SUPPLY PLAN - AREA H
P201	SUPPLY ISOMETRIC AREAS A & B
P202	SUPPLY ISOMETRIC AREAS C & D
P203	SUPPLY ISOMETRIC AREAS E & F
P204	SUPPLY ISOMETRIC AREAS G, TUNNEL & BASEMENT
P201	PLUMBING DETAILS
P202	PLUMBING DETAILS
P201	PLUMBING SCHEDULES

Project Title:  
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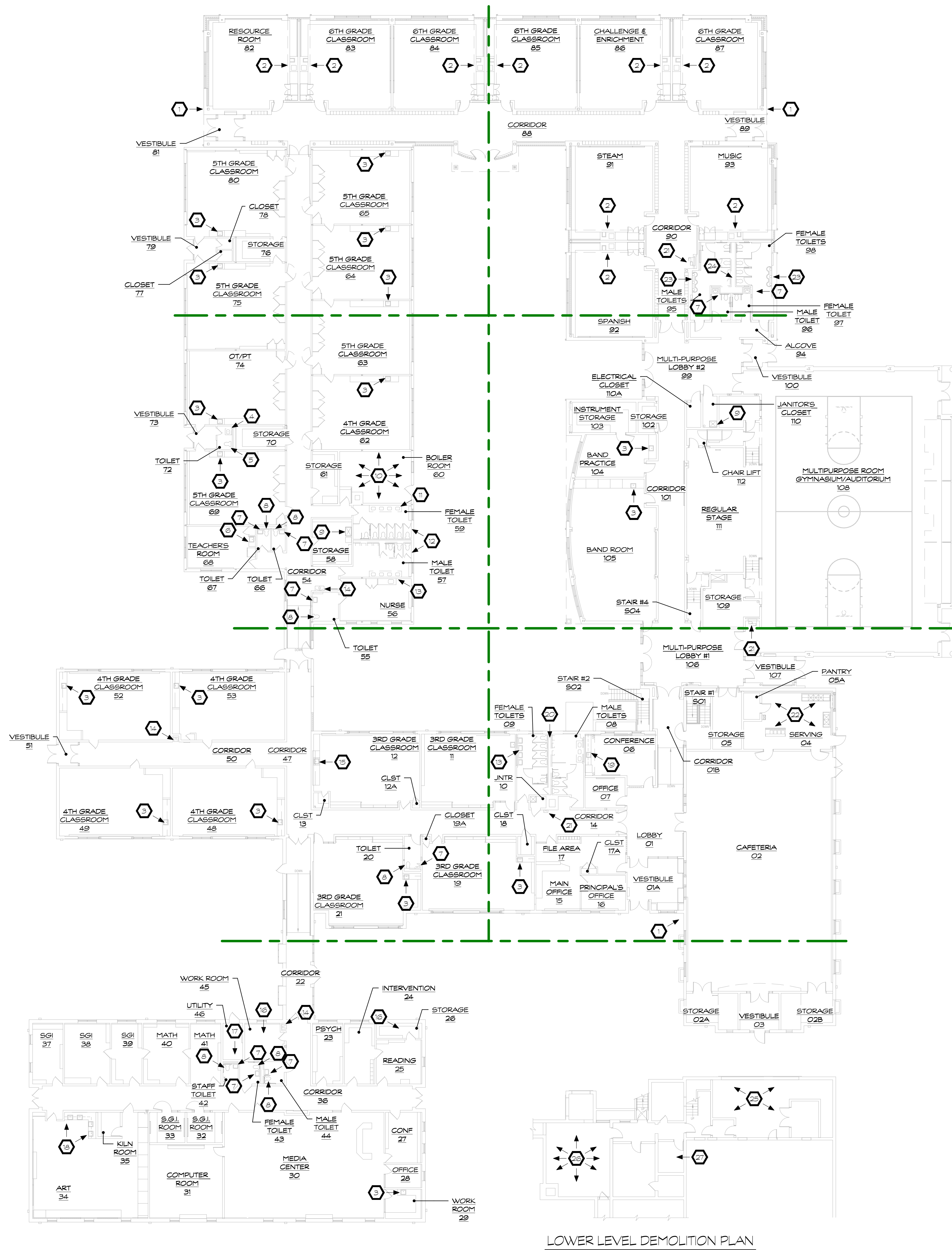
Revision:	Description:	Date:	Revised By:

Drawing Title:  
**PLUMBING COVER SHEET**

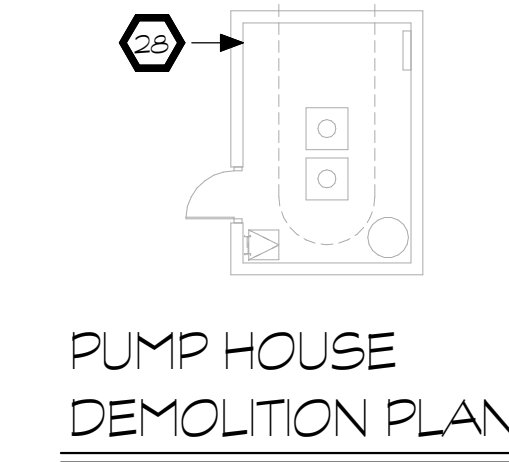
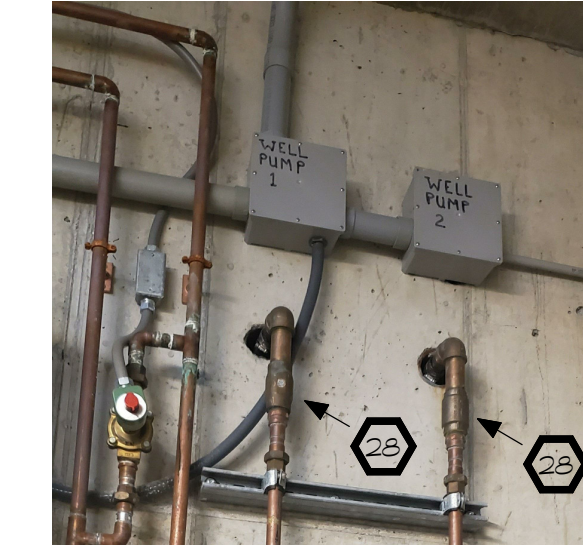
Date: **AUGUST 16, 2019**  
 Scale: **NOT TO SCALE**  
 Drawn By: **SAM**  
 S/P+A Project No: **19-003** State Project No: **067-0042 CV**

Drawing Number:  
**P001**





LOWER LEVEL DEMOLITION PLAN

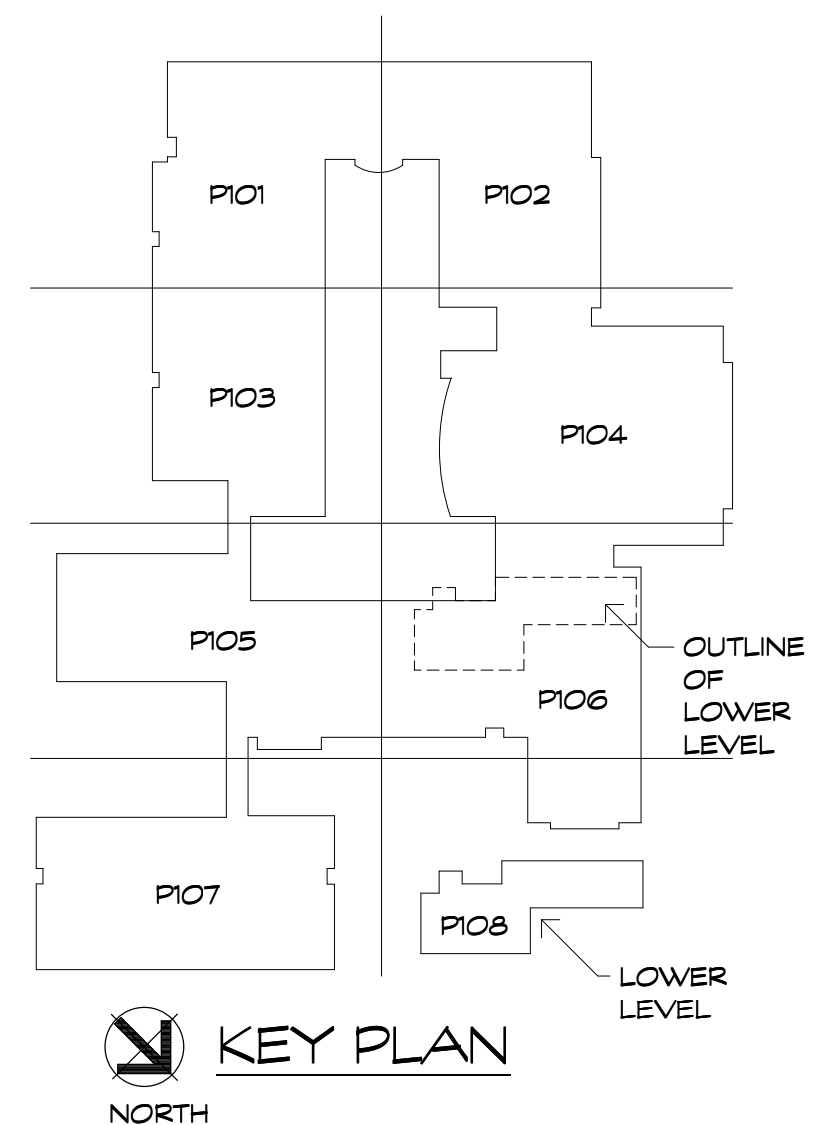


PUMP HOUSE DEMOLITION PLAN

PLUMBING DEMOLITION KEY NOTES	
1	EXISTING WALL HYDRANT TO BE ABANDONED. DISCONNECT PIPING IN CEILING SPACE AS CLOSE TO EXTERIOR WALL AS POSSIBLE.
2	REMOVE EXISTING SINK FAUCET, DRINKING FOUNTAIN AND ALL EXPOSED WATER SUPPLY PIPING BELOW COUNTER. CAP EXISTING SUPPLY PIPING AS CLOSE TO WALL AS POSSIBLE.
3	REMOVE EXISTING SINK FAUCET AND ALL EXPOSED WATER SUPPLY PIPING BELOW COUNTER. CAP EXISTING SUPPLY PIPING AS CLOSE TO WALL AS POSSIBLE.
4	REMOVE EXISTING VANITY AND SET ASIDE FOR REUSE. REMOVE EXISTING SINK FAUCET AND ALL EXPOSED WATER SUPPLY PIPING BELOW COUNTER. CAP EXISTING SUPPLY PIPING AS CLOSE TO WALL AS POSSIBLE.
5	REMOVE EXISTING WATER CLOSET AND SET ASIDE FOR REUSE. REMOVE EXISTING FLUSH VALVE AND ALL EXPOSED WATER SUPPLY PIPING. CAP EXISTING SUPPLY PIPING AS CLOSE TO WALL AS POSSIBLE.
6	REMOVE EXISTING ALL-IN ONE KITCHENETTE UNIT AND ALL EXPOSED WATER SUPPLY PIPING BELOW COUNTER. CAP EXISTING SUPPLY PIPING AS CLOSE TO WALL AS POSSIBLE.
7	REMOVE EXISTING WALL MOUNTED LAVATORY AND SET ASIDE FOR REUSE. DISPOSE OF EXISTING FAUCET. REMOVE WATER SUPPLY PIPING BELOW LAVATORY. CAP EXISTING SUPPLY PIPING AS CLOSE TO WALL AS POSSIBLE.
8	REMOVE EXISTING FLUSH VALVE AND ASSOCIATED WATER PIPING IN CHASE. SEE ARCHITECTURAL PLANS FOR DEMOLITION ALLOWING ACCESS TO CHASE.
9	REMOVE EXISTING WALL MOUNTED FAUCET AND WATER SUPPLY PIPING ALONG WALL.
10	DISCONNECT AND REMOVE EXISTING GAS WATER HEATER AND ACCESSORIES. DISCONNECT AND REMOVE EXISTING MAKE-UP WATER CONNECTION TO MECHANICAL EQUIPMENT. REMOVE ALL DOMESTIC WATER PIPING THAT WILL NO LONGER BE USED. REMOVE EXISTING FIRE SPRINKLER SYSTEM THAT IS FED OFF OF DOMESTIC WATER MAIN.
11	REMOVE EXISTING WALL MOUNTED LAVATORY (TYP OF 4). REMOVE WATER SUPPLY PIPING BELOW LAVATORIES. CAP EXISTING SUPPLY PIPING AS CLOSE TO WALL AS POSSIBLE.
12	REMOVE EXISTING FLUSH VALVES (TYP OF 13) AND ASSOCIATED WATER PIPING IN CHASE. SEE ARCHITECTURAL PLANS FOR DEMOLITION ALLOWING ACCESS TO CHASE.
13	REMOVE EXISTING WALL MOUNTED LAVATORY (TYP OF 4). REMOVE WATER SUPPLY PIPING BELOW LAVATORIES. REMOVE EXISTING SINK FAUCET AND ALL EXPOSED WATER SUPPLY PIPING BELOW COUNTER. CAP EXISTING SUPPLY PIPING AS CLOSE TO WALL AS POSSIBLE.
14	REMOVE EXISTING WALL MOUNTED ELECTRIC WATER COOLER. REMOVE WATER SUPPLY PIPING FEEDING WATER COOLER. CAP EXISTING SUPPLY PIPING AS CLOSE TO WALL AS POSSIBLE.
15	REMOVE EXISTING SINK FAUCET AND ALL EXPOSED WATER SUPPLY PIPING BELOW COUNTER. CAP EXISTING SUPPLY PIPING AS CLOSE TO WALL AS POSSIBLE. CUT AND PATCH SHEET ROCK AS REQUIRED TO REMOVE EXISTING PIPING AND INSTALL NEW PIPING.
16	REMOVE EXISTING FIRE SPRINKLER SYSTEM THAT IS FED OFF OF DOMESTIC WATER MAIN.
17	DISCONNECT AND REMOVE EXISTING ELECTRIC WATER HEATER AND ACCESSORIES. REMOVE ALL DOMESTIC WATER PIPING THAT WILL NO LONGER BE USED. REMOVE EXISTING FIRE SPRINKLER SYSTEM THAT IS FED OFF OF DOMESTIC WATER MAIN.
18	REMOVE EXISTING SINK FAUCETS (TYP OF 4) AND ALL EXPOSED WATER SUPPLY PIPING BELOW COUNTER. CAP EXISTING SUPPLY PIPING AS CLOSE TO WALL AS POSSIBLE.
19	REMOVE EXISTING WALL MOUNTED LAVATORY (TYP OF 3). REMOVE WATER SUPPLY PIPING BELOW LAVATORIES. REMOVE EXISTING SINK FAUCET AND ALL EXPOSED WATER SUPPLY PIPING BELOW COUNTER. CAP EXISTING SUPPLY PIPING AS CLOSE TO WALL AS POSSIBLE.
20	REMOVE EXISTING FLUSH VALVES (TYP OF 11) AND ASSOCIATED WATER PIPING IN CHASE. SEE ARCHITECTURAL PLANS FOR DEMOLITION ALLOWING ACCESS TO CHASE.
21	REMOVE EXISTING RECESSED ELECTRIC WATER COOLER. REMOVE WATER SUPPLY PIPING FEEDING WATER COOLER. CAP EXISTING SUPPLY PIPING AS CLOSE TO WALL AS POSSIBLE.
22	REMOVE ALL EXPOSED WATER SUPPLY PIPING. CAP EXISTING SUPPLY PIPING AS CLOSE TO FLOOR THAT LEADS TO TUNNEL AS POSSIBLE.
23	REMOVE EXISTING WALL MOUNTED LAVATORY (TYP OF 4). REMOVE WATER SUPPLY PIPING BELOW LAVATORIES. CAP EXISTING SUPPLY PIPING AS CLOSE TO WALL AS POSSIBLE.
24	REMOVE EXISTING FLUSH VALVES (TYP OF 10) AND ASSOCIATED WATER PIPING IN CHASE. SEE ARCHITECTURAL PLANS FOR DEMOLITION ALLOWING ACCESS TO CHASE.
25	REMOVE ALL EXPOSED WATER SUPPLY PIPING. CAP EXISTING SUPPLY PIPING AS CLOSE TO WALL AS POSSIBLE. DISCONNECT AND REMOVE EXISTING MAKE-UP WATER CONNECTION TO MECHANICAL EQUIPMENT. REMOVE ALL DOMESTIC WATER PIPING THAT WILL NO LONGER BE USED. REMOVE EXISTING FIRE SPRINKLER SYSTEM THAT IS FED OFF OF DOMESTIC WATER MAIN.
26	DISCONNECT AND REMOVE EXISTING ELECTRIC WATER HEATERS AND ACCESSORIES. REMOVE ALL DOMESTIC WATER PIPING THAT WILL NO LONGER BE USED. REMOVE EXISTING FIRE SPRINKLER SYSTEM THAT IS FED OFF OF DOMESTIC WATER MAIN.
27	REMOVE EXISTING BRASS CHECK VALVES (TYP OF 2) ON PIPING FROM WELL PUMP INTO PUMP HOUSE.
28	

SUPPLY PIPING GENERAL DEMOLITION NOTES

THE INTENT OF THIS PROJECT IS TO REPLACE ALL OF THE SUPPLY PIPING IN THE ENTIRE BUILDING. ALL EXISTING PIPING IS TO BE REMOVED WHEN FEASIBLE AND IF NOT FEASIBLE, PIPING IS TO BE CAPPED AS FAR BACK AS POSSIBLE AND ABANDONED IN PLACE.



KEY PLAN NORTH

Project Title:  
**Hebron Elementary School**  
 Contaminated Water Piping Replacement  
 92 Church St  
 Hebron, CT 06248



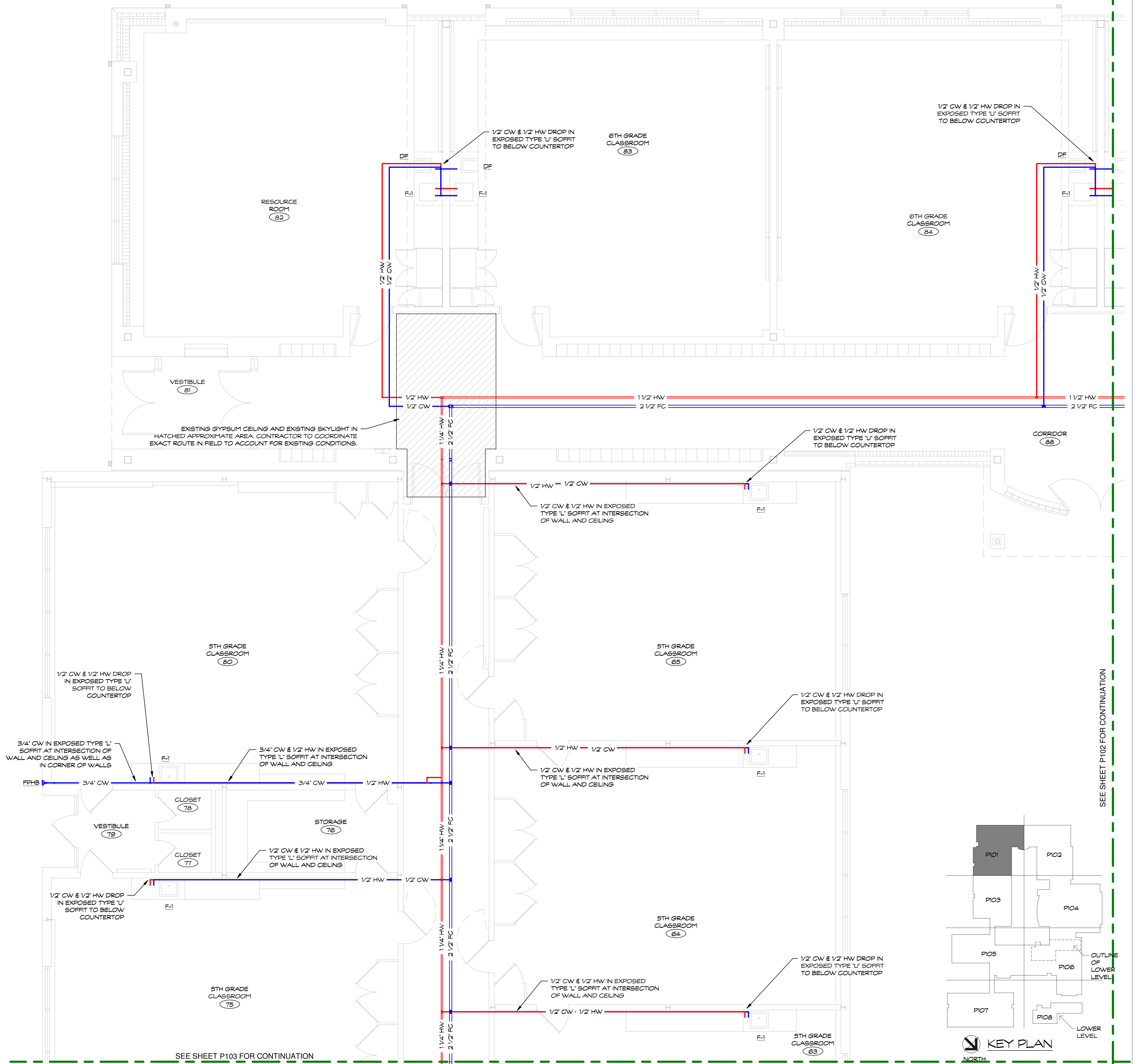
**SILVER / PETRUCELLI + ASSOCIATES**  
 Architects / Engineers / Interior Designers  
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Revision:	Description:	Date:	Revised By:

Drawing Title:  
**OVERALL PLUMBING DEMOLITION PLAN**

Date: **AUGUST 16, 2019**  
 Scale: **1/8" = 1'-0"**  
 Drawn By: **SAM**  
 S/P+A Project No: **19.003** State Project No: **067-0042 CV**  
 Drawing Number: **P100**





**SUPPLY PIPING GENERAL NOTES**

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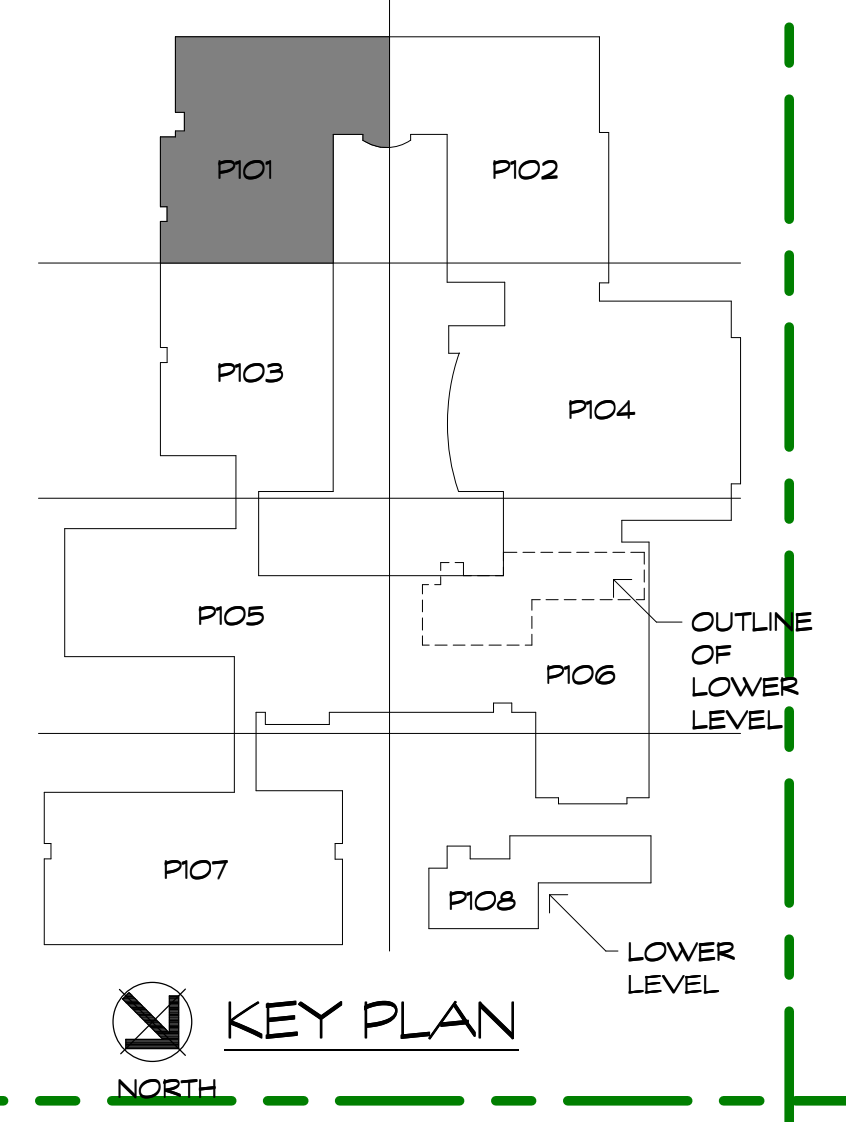


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Revision:	Description:	Date:	Revised By:

Drawing Title:  
**ENLARGED PARTIAL SUPPLY PLAN - AREA 'A'**

Date: **AUGUST 16, 2019**  
 Scale: **1/4" = 1'-0"**  
 Drawn By: **SAM**  
 S/P+A Project No: **19.003** State Project No: **067-0042 CV**  
 Drawing Number: **P101**

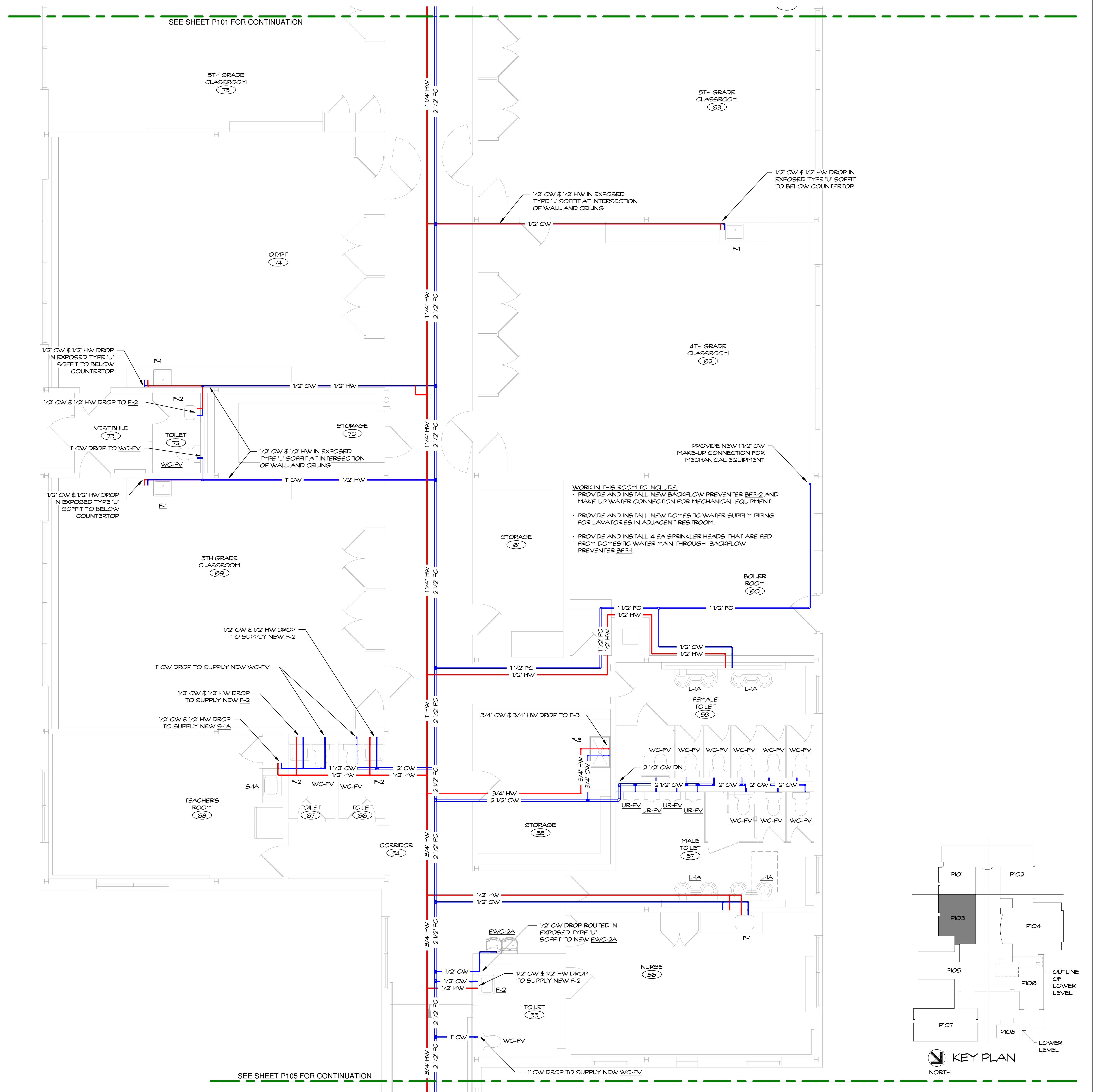


SEE SHEET P102 FOR CONTINUATION

SEE SHEET P103 FOR CONTINUATION





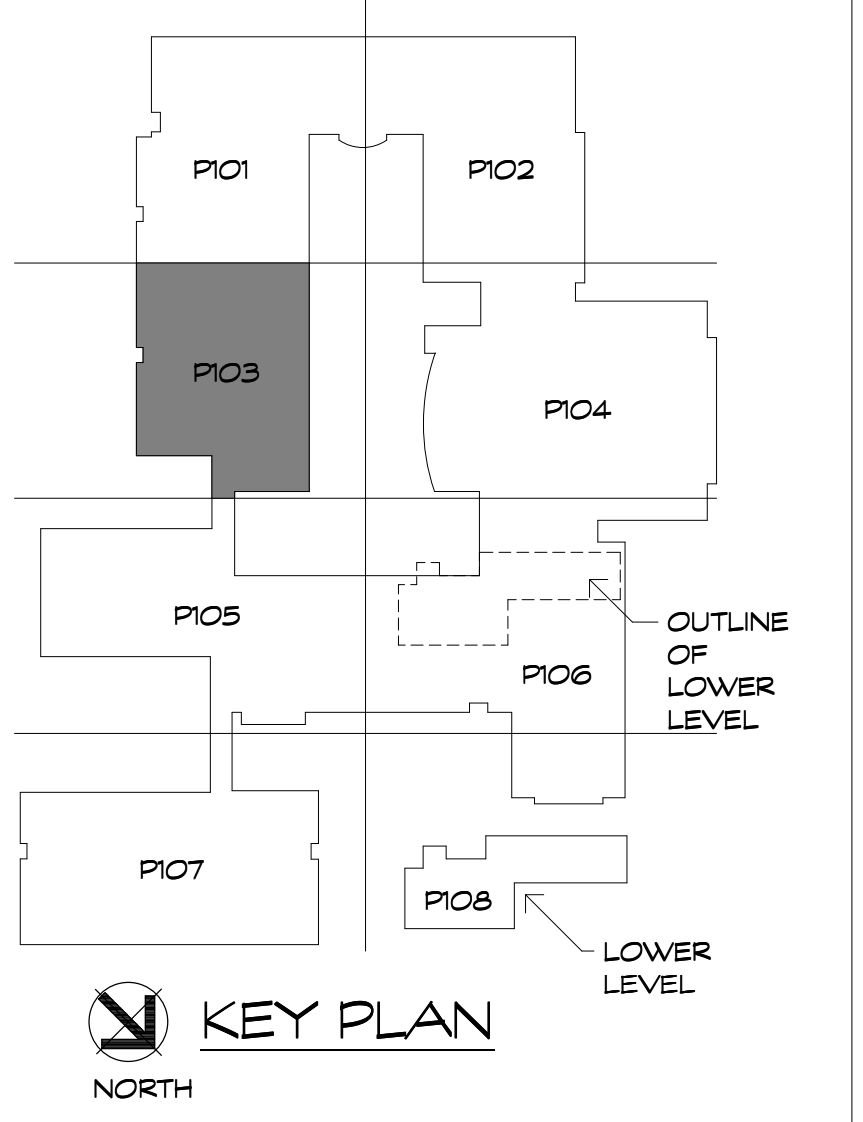


SEE SHEET P101 FOR CONTINUATION

SEE SHEET P105 FOR CONTINUATION

**SUPPLY PIPING GENERAL NOTES**

THE INTENT OF THIS PROJECT IS TO REPLACE ALL OF THE SUPPLY PIPING IN THE ENTIRE BUILDING. ALL NEW PIPING IS TO BE RUN IN THE CEILING UNLESS OTHERWISE NOTED.



**KEY PLAN**  
NORTH

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Revision:	Description:	Date:	Revised By:

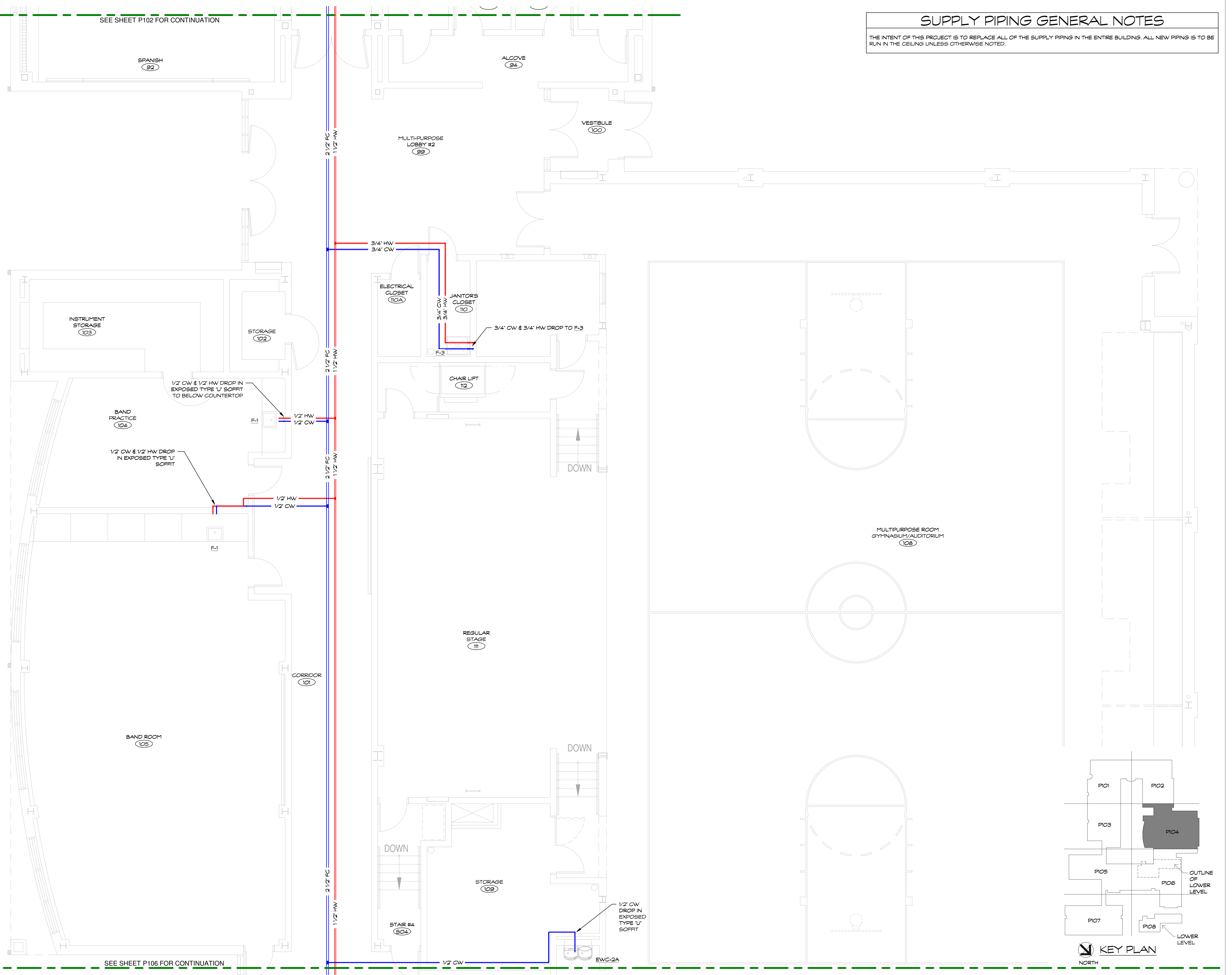
Drawing Title:  
**ENLARGED PARTIAL SUPPLY**  
**PLAN - AREA 'C'**

Date: **AUGUST 16, 2019**  
 Scale: **1/4" = 1'-0"**  
 Drawn By:  
 SAM  
 S/P+A Project No: **19.003** State Project No: **067-0042 CV**  
 Drawing Number:  
**P103**

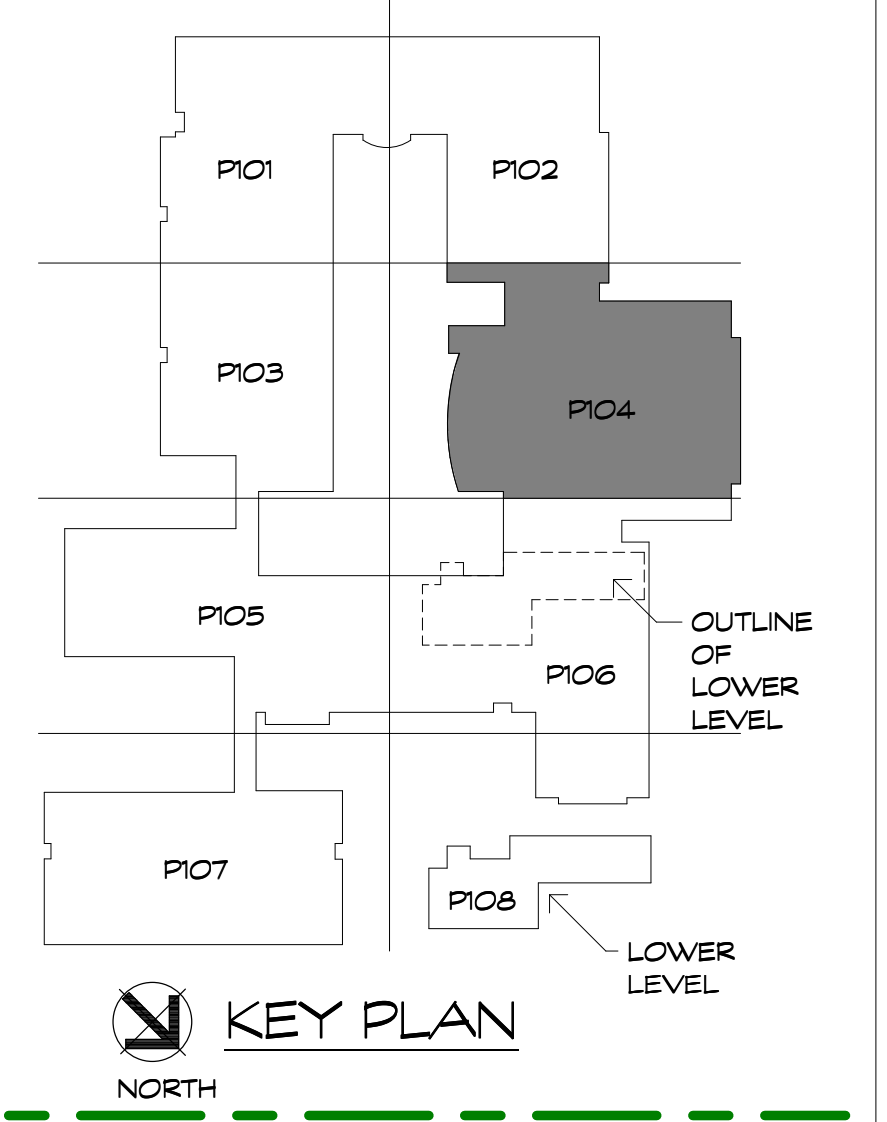
SEE SHEET P102 FOR CONTINUATION

### SUPPLY PIPING GENERAL NOTES

THE INTENT OF THIS PROJECT IS TO REPLACE ALL OF THE SUPPLY PIPING IN THE ENTIRE BUILDING. ALL NEW PIPING IS TO BE RUN IN THE CEILING UNLESS OTHERWISE NOTED.



SEE SHEET P106 FOR CONTINUATION



KEY PLAN  
NORTH

Project Title:  
**Hebron Elementary School**  
 Contaminated Water Piping Replacement  
 92 Church St  
 Hebron, CT 06248



**SILVER / PETRUCELLI + ASSOCIATES**  
 Architects / Engineers / Interior Designers  
 3190 Whitney Avenue, Hamden, CT 06518-2340  
 One Post Hill Place, New London, CT 06320  
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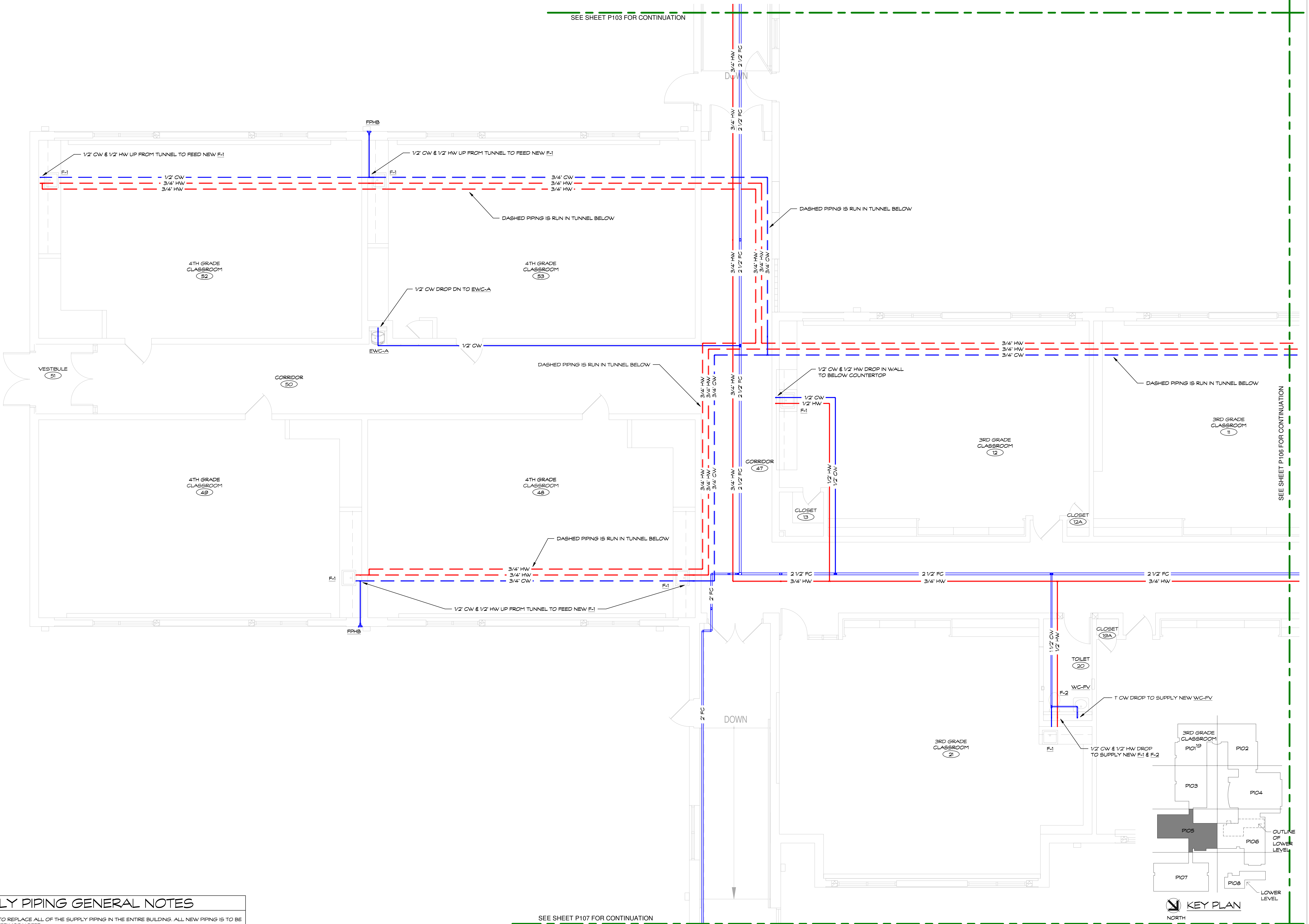
Revision:	Description:	Date:	Revised By:

Drawing Title:  
**ENLARGED PARTIAL SUPPLY PLAN - AREA 'D'**

Date: **AUGUST 16, 2019**  
 Scale: **1/4" = 1'-0"**  
 Drawn By: **SAM**  
 SPP-A Project No: **19-003** State Project No: **067-0042 CV**  
 Drawing Number: **P104**



SEE SHEET P103 FOR CONTINUATION

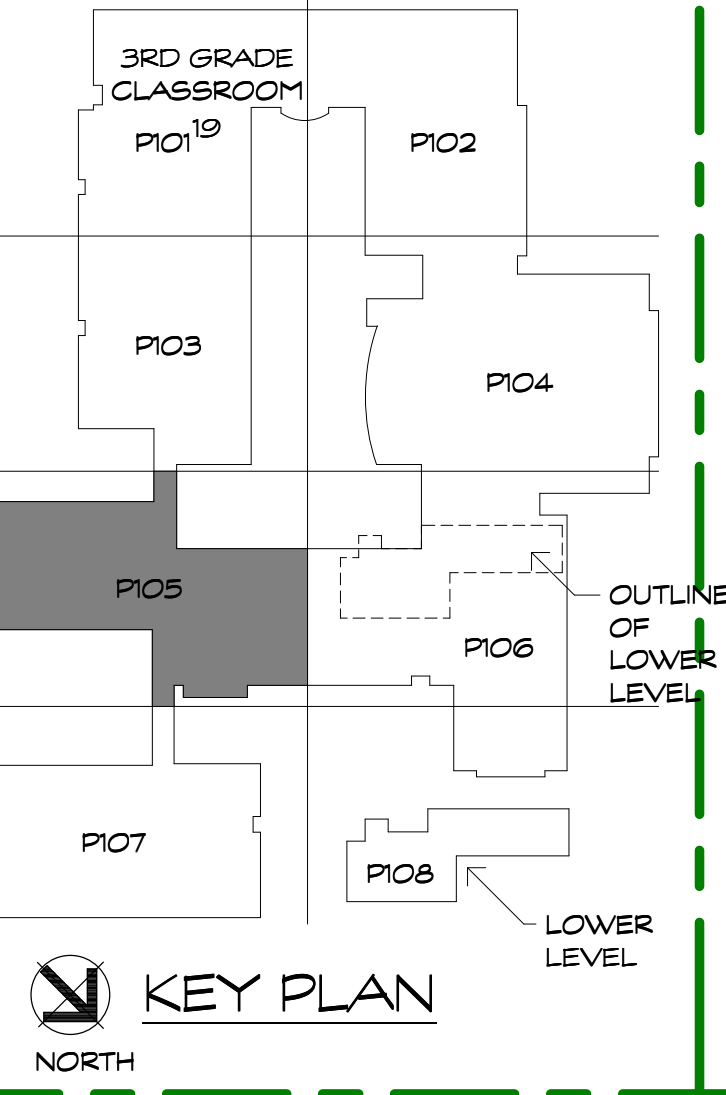


SEE SHEET P106 FOR CONTINUATION

SEE SHEET P107 FOR CONTINUATION

### SUPPLY PIPING GENERAL NOTES

THE INTENT OF THIS PROJECT IS TO REPLACE ALL OF THE SUPPLY PIPING IN THE ENTIRE BUILDING. ALL NEW PIPING IS TO BE RUN IN THE CEILING UNLESS OTHERWISE NOTED.



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Revision:	Description:	Date:	Revised By:

Drawing Title:  
**ENLARGED PARTIAL SUPPLY PLAN - AREA 'E'**

Date: **AUGUST 16, 2019**  
 Scale: **1/4" = 1'-0"**  
 Drawn By: **SAM**  
 SPP-A Project No: **19.003** State Project No: **067-0042 CV**  
 Drawing Number: **P105**

SEE SHEET P104 FOR CONTINUATION

1/2" CW

MULTIPURPOSE ROOM  
GYMNASIUM/AUDITORIUM  
(102)

MULTI-PURPOSE  
LOBBY #1  
(106)

VESTIBULE  
(107)

DOWN

STAIR #2  
(502)

DOWN

STAIR #1  
(501)

STORAGE  
(05)

PANTRY  
(02A)

SERVING  
(04)

FRHB

CORRIDOR  
(08)

2 1/2" FC  
1 1/2" HW

1/2" HW DN

1/2" CW & 1/2" HW DN

1/2" CW & 1/2" HW DN

1/2" CW & 1/2" HW UP FROM  
TUNNEL TO FEED NEW L-1A & F-1

SEE LOWER LEVEL PIPING PLAN FOR CONTINUATION

1/2" CW & 1/2" HW UP FROM  
TUNNEL TO FEED NEW L-2A & F-1

CONFERENCE  
(06)

OFFICE  
(07)

3" FC, 1 1/2" HW & 3/4"  
HWR DN TO BASEMENT

DOWN

2 1/2" FC  
1 1/2" HW

2 1/2" CW DROP IN CHASE  
1/2" CW DROP TO  
FEED NEW EWC-A

JANITOR  
(10)

EWC-2A

CORRIDOR  
(14)

2 1/2" FC  
3/4" HWR

2 1/2" FC  
1 1/2" HW

1/2" CW & 1/2" HW DROP BELOW CEILING AND  
INTO EXPOSED TYPE 'U' SOFFIT. ROUTE INTO  
ADJACENT STORAGE ROOM AND FEED NEW F-1

CLOSET  
(18)

FILE AREA  
(17)

LOBBY  
(01)

CAFETERIA  
(02)

3RD GRADE  
CLASSROOM  
(19)

CLOSET  
(17A)

PRINCIPAL'S  
OFFICE  
(16)

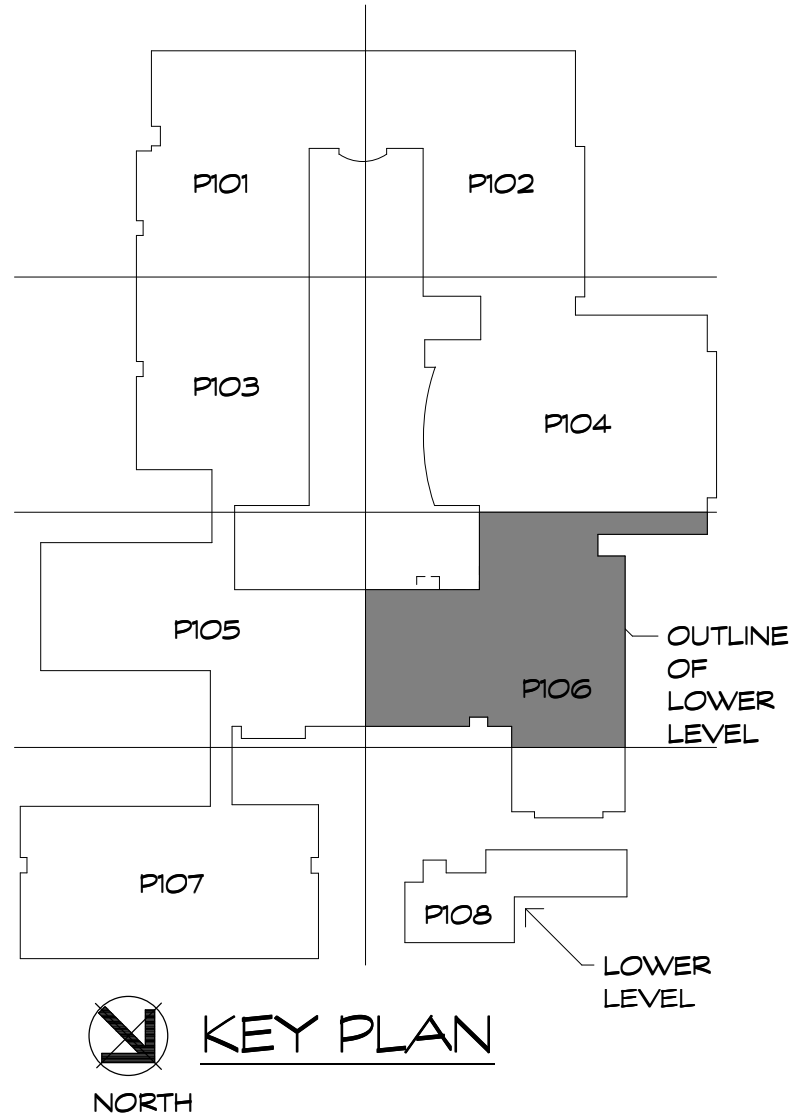
VESTIBULE  
(01A)

MAIN OFFICE  
(15)

### SUPPLY PIPING GENERAL NOTES

THE INTENT OF THIS PROJECT IS TO REPLACE ALL OF THE SUPPLY PIPING IN THE ENTIRE BUILDING. ALL NEW PIPING IS TO BE RUN IN THE CEILING UNLESS OTHERWISE NOTED.

SEE SHEET P108 FOR CONTINUATION



Project Title:  
 Hebron Elementary School  
 Contaminated Water Piping Replacement  
 92 Church St  
 Hebron, CT 06248



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Revision:	Description:	Date:	Revised By:

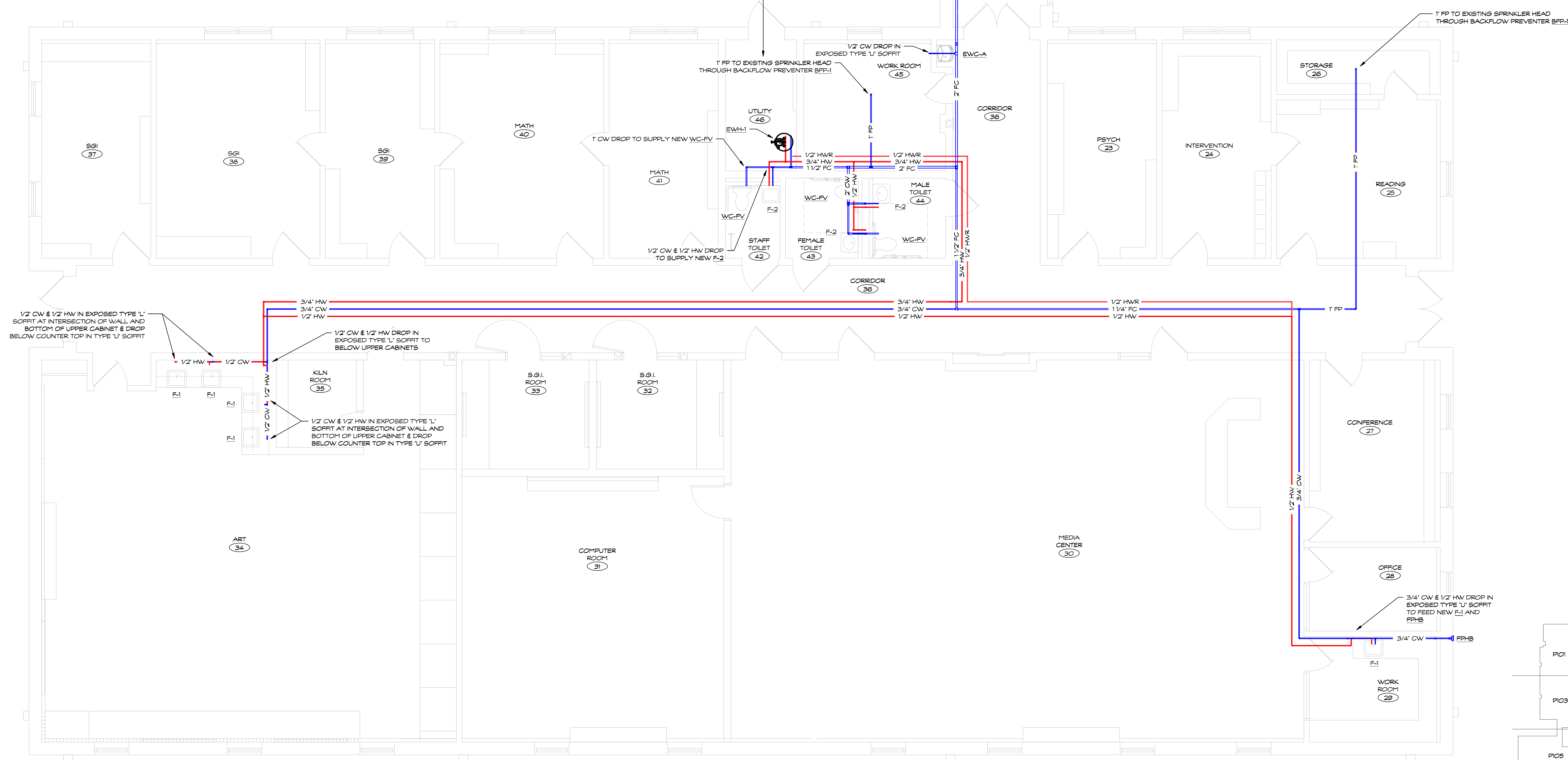
Drawing Title:  
**ENLARGED PARTIAL SUPPLY  
 PLAN - AREA 'F'**

Date: **AUGUST 16, 2019**  
 Scale: **1/4" = 1'-0"**  
 Drawn By: **SAM**  
 SPP-A Project No: **19.003** State Project No: **067-0042 CV**  
 Drawing Number: **P106**



SEE SHEET P105 FOR CONTINUATION

WORK IN THIS ROOM TO INCLUDE:  
 • PROVIDE AND INSTALL NEW ELECTRIC WATER HEATER EWH-1, THERMOSTATIC MIXING VALVE TMV-2, RECIRCULATION PUMP RP-2, AND EXPANSION TANK EXP-2  
 • PROVIDE AND INSTALL NEW DOMESTIC WATER SUPPLY PIPING FOR ADJACENT RESTROOM  
 • PROVIDE AND INSTALL 1 EA SPRINKLER HEAD THAT IS FED FROM DOMESTIC WATER MAIN THROUGH BACKFLOW PREVENTER BFP-1

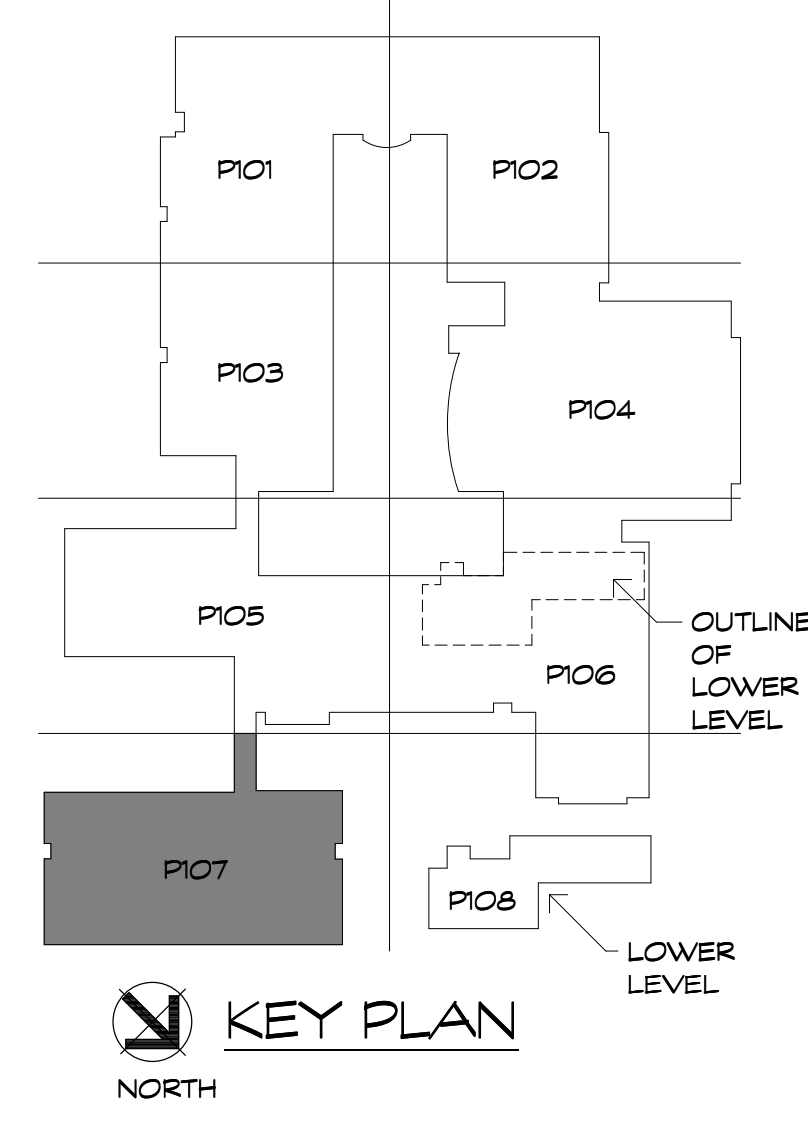


1/2" CW & 1/2" HW IN EXPOSED TYPE 'L' SOFFIT AT INTERSECTION OF WALL AND BOTTOM OF UPPER CABINET & DROP BELOW COUNTER TOP IN TYPE 'U' SOFFIT

1/2" CW & 1/2" HW DROP IN EXPOSED TYPE 'L' SOFFIT TO BELOW UPPER CABINETS

1/2" CW & 1/2" HW IN EXPOSED TYPE 'L' SOFFIT AT INTERSECTION OF WALL AND BOTTOM OF UPPER CABINET & DROP BELOW COUNTER TOP IN TYPE 'U' SOFFIT

3/4" CW & 1/2" HW DROP IN EXPOSED TYPE 'U' SOFFIT TO FEED NEW F-1 AND F-2



**SUPPLY PIPING GENERAL NOTES**

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Project Title:  
 Hebron Elementary School  
 Contaminated Water Piping Replacement  
 92 Church St  
 Hebron, CT 06248



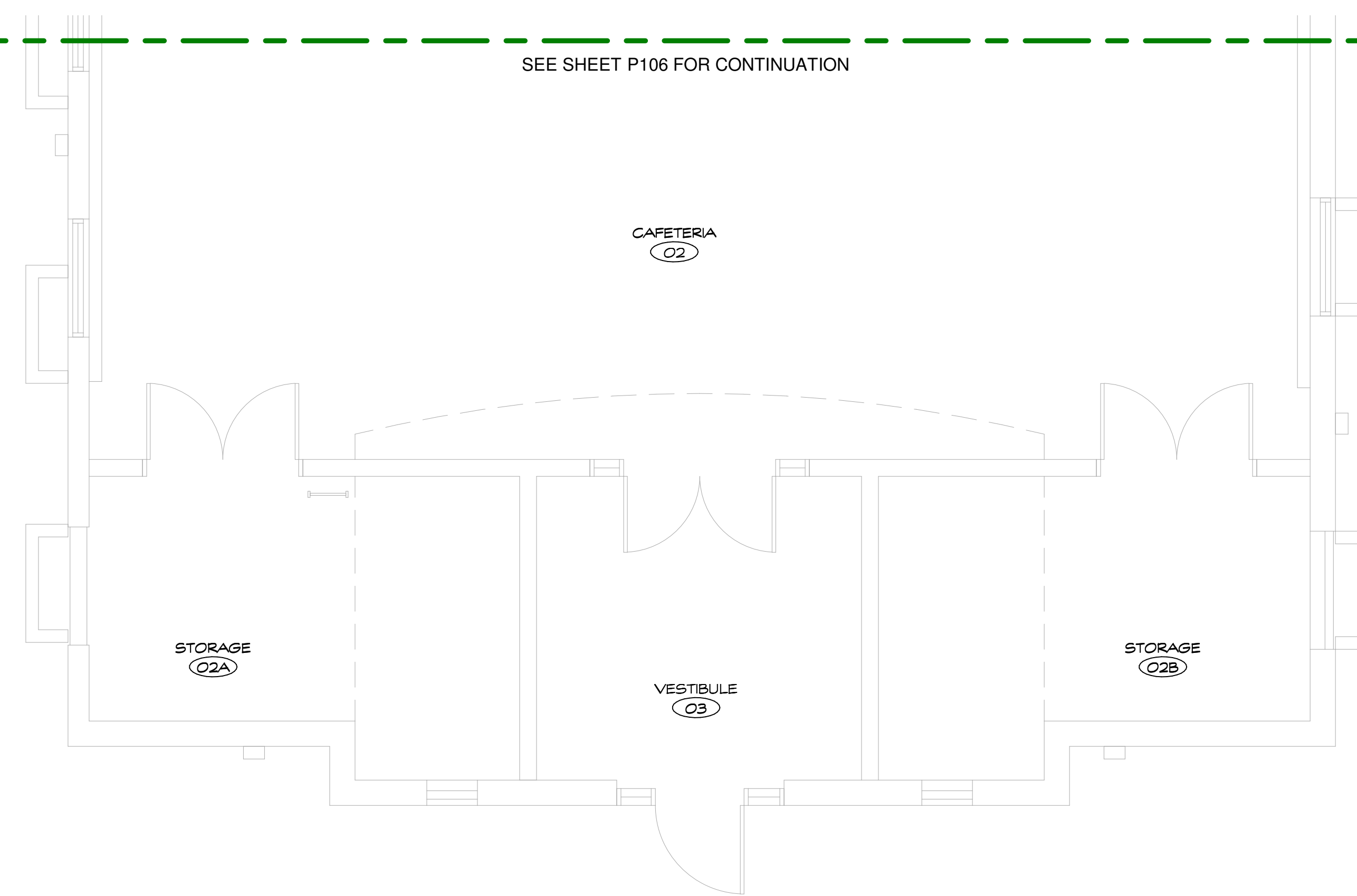
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Revision:	Description:	Date:	Revised By:

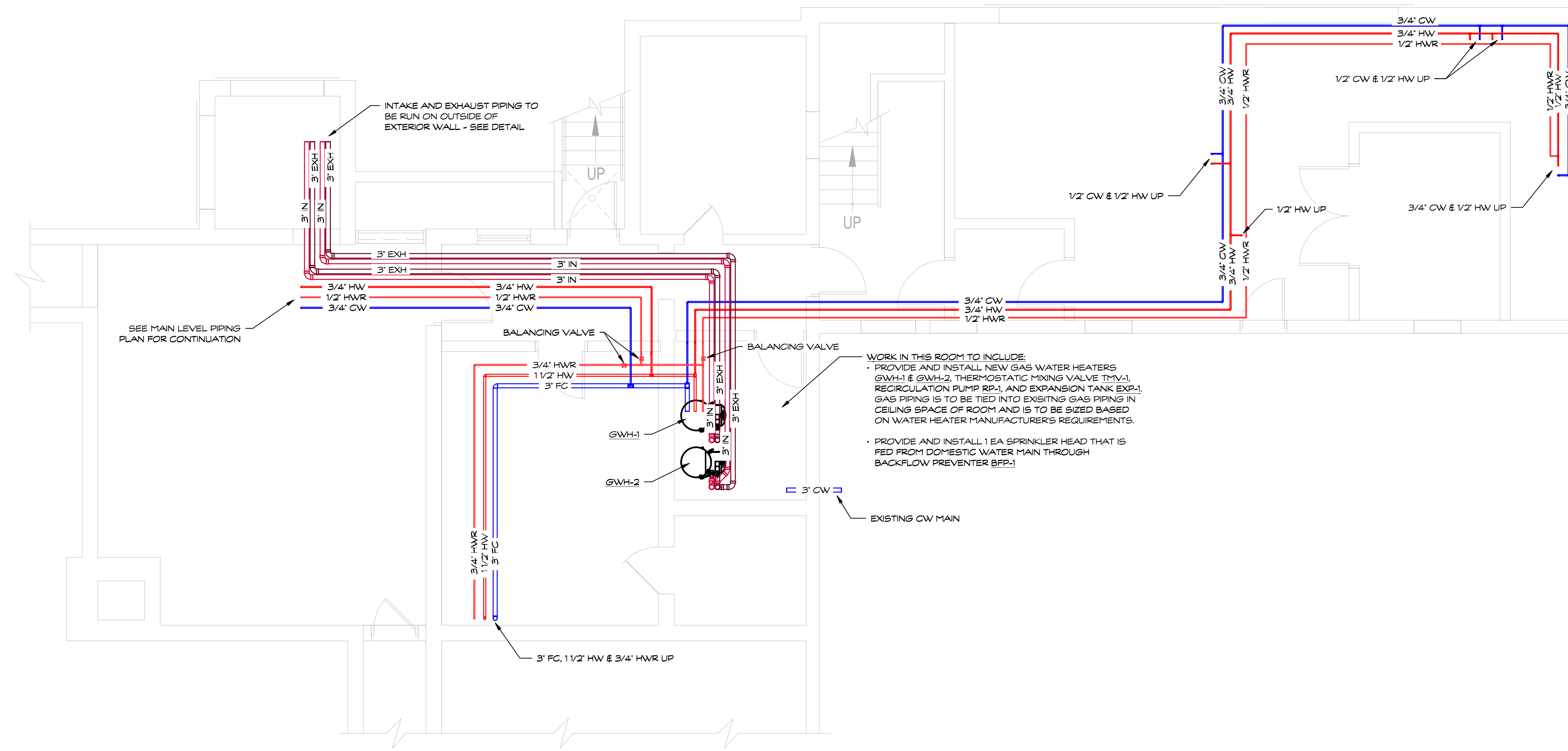
Drawing Title:  
**ENLARGED PARTIAL SUPPLY PLAN - AREA 'G'**

Date: AUGUST 16, 2019  
 Scale: 1/4" = 1'-0"  
 Drawn By: SAM  
 SPP-A Project No: 18.003 State Project No: 067-0042 CV  
 Drawing Number: **P107**

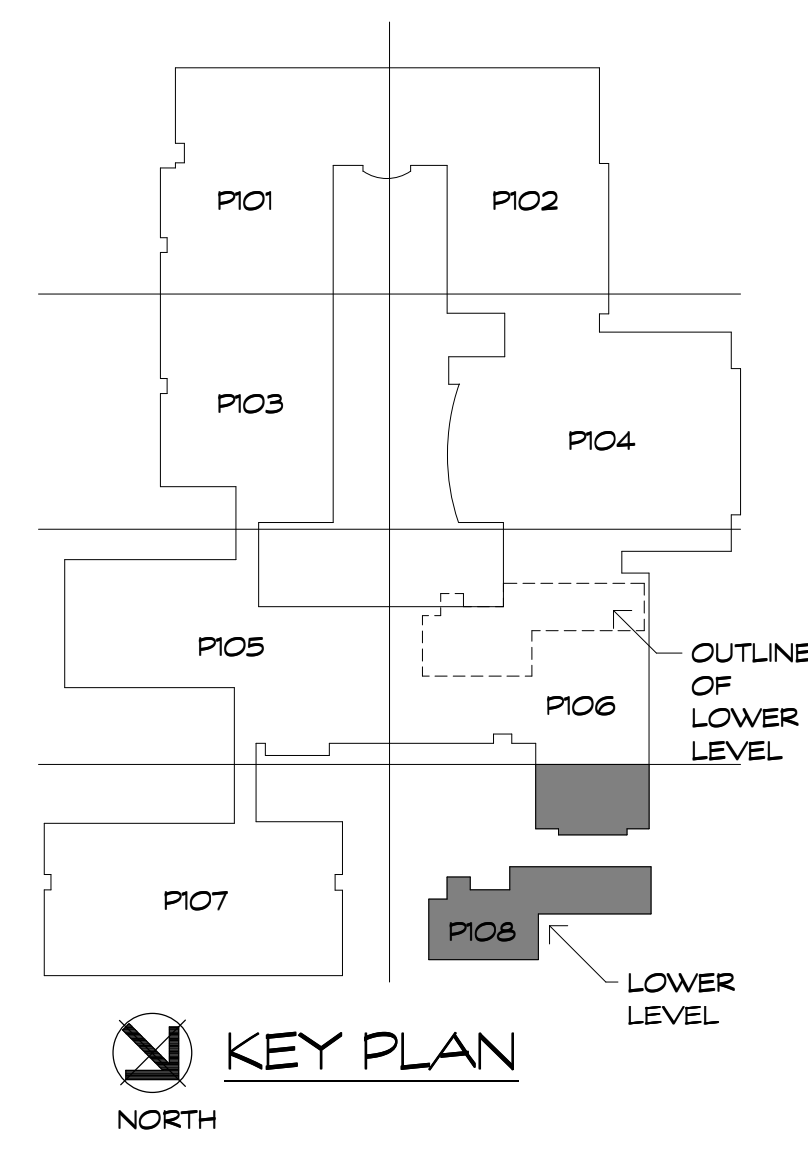
SEE SHEET P106 FOR CONTINUATION



PARTIAL SUPPLY PLAN - MAIN LEVEL AREA 'H'



LOWER LEVEL SUPPLY PLAN



KEY PLAN  
NORTH

**SUPPLY PIPING GENERAL NOTES**

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Project Title:  
Hebron Elementary School  
Contaminated Water Piping Replacement  
92 Church St  
Hebron, CT 06248



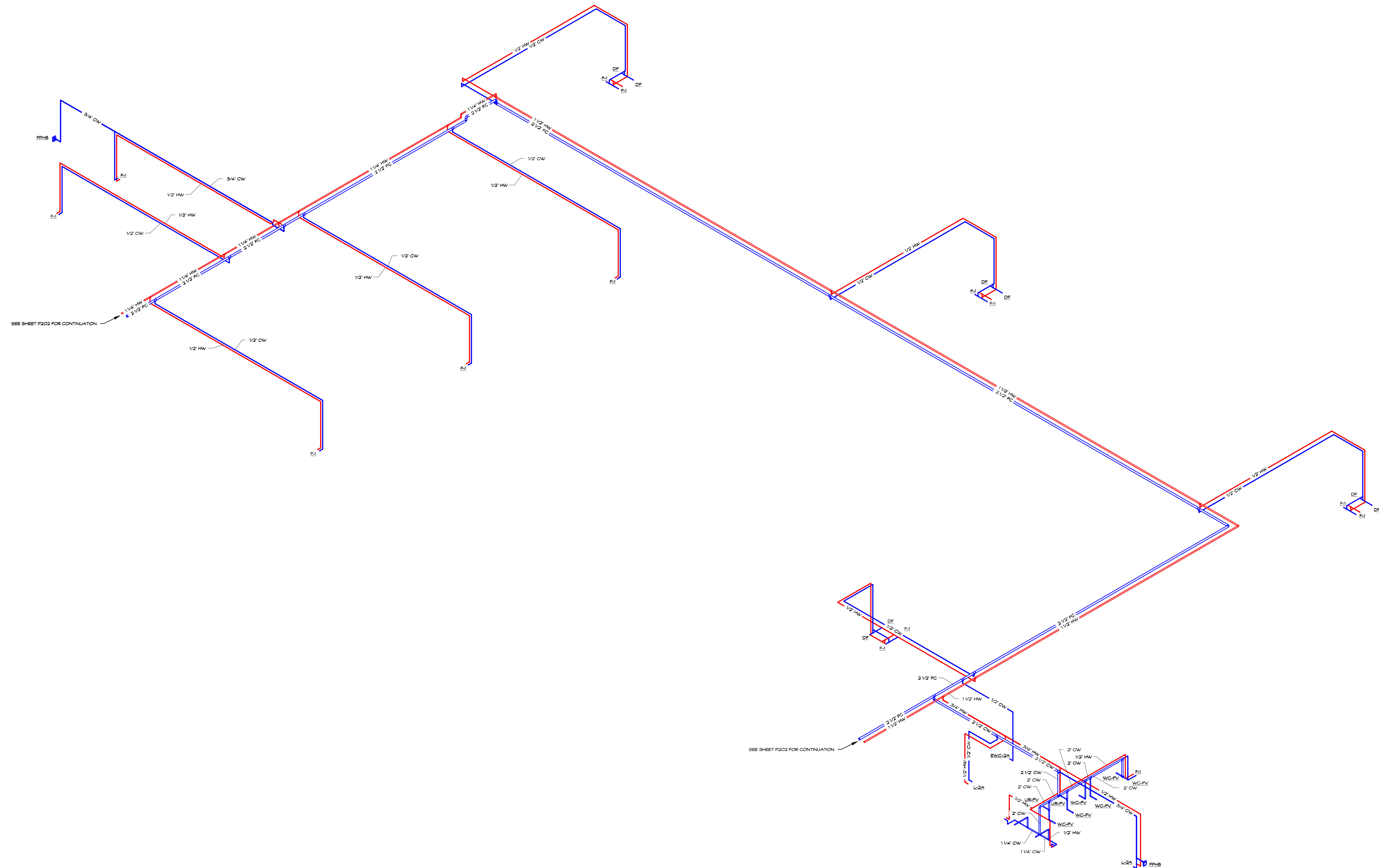
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Revision:	Description:	Date:	Revised By:

Drawing Title:  
**ENLARGED PARTIAL SUPPLY PLAN - AREA 'H'**

Date: AUGUST 16, 2019  
Scale: 1/4" = 1'-0"  
Drawn By: SAM  
SPP-A Project No: 18.003  
State Project No: 067-0042 CV  
Drawing Number: **P108**





Project Title:  
**Hebron Elementary School**  
 Contaminated Water Piping Replacement  
 92 Church St  
 Hebron, CT 06248



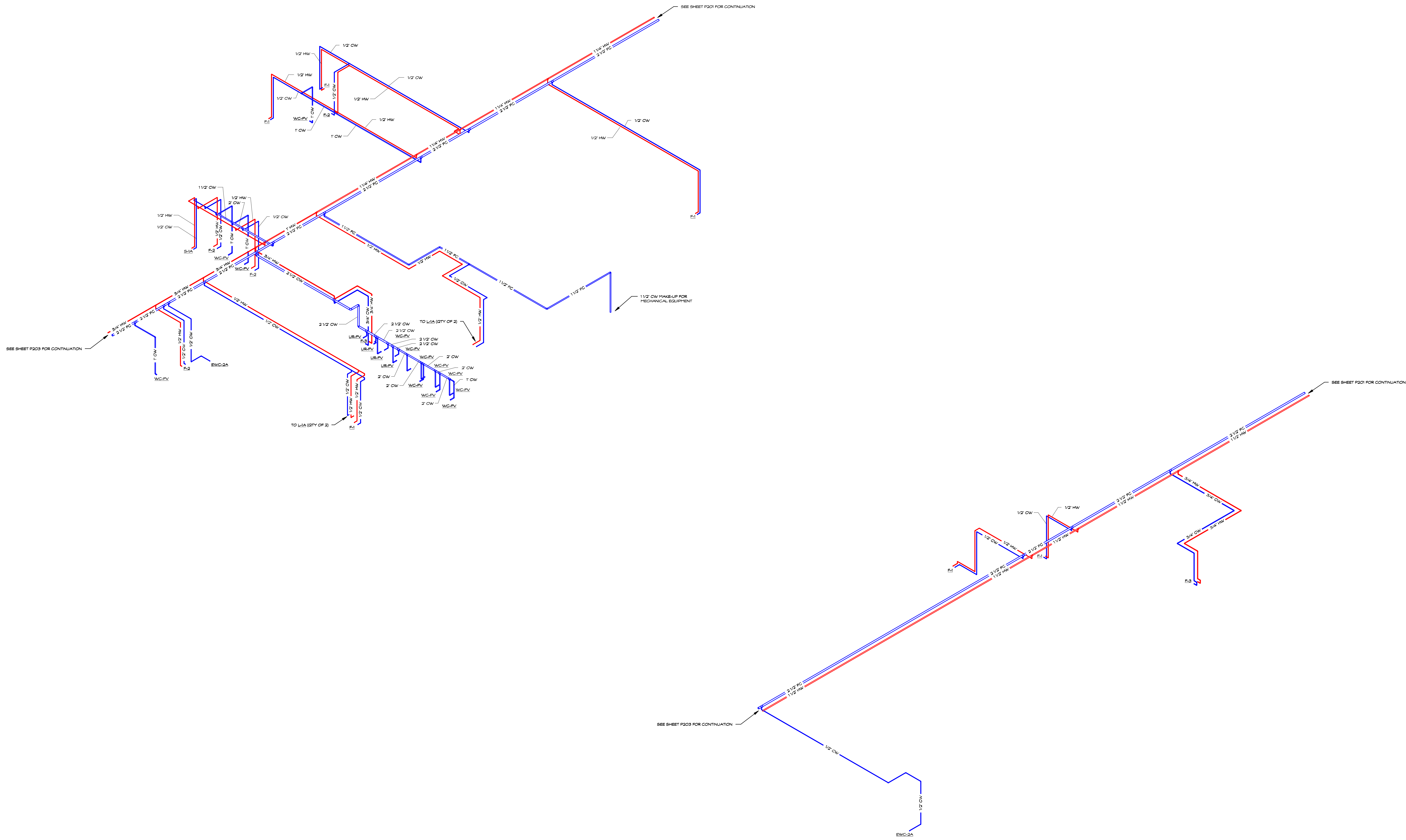
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Revision:	Description:	Date:	Revised By:

Drawing Title:  
**SUPPLY ISOMETRIC AREAS**  
 A & B

Date: **AUGUST 16, 2019**  
 Scale: \_\_\_\_\_  
 Drawn By: \_\_\_\_\_  
 SAM  
 SPP-A Project No: \_\_\_\_\_ State Project No: \_\_\_\_\_  
 18.003 067-0042 CV

P201



Project Title:  
 Hebron Elementary School  
 Contaminated Water Piping Replacement  
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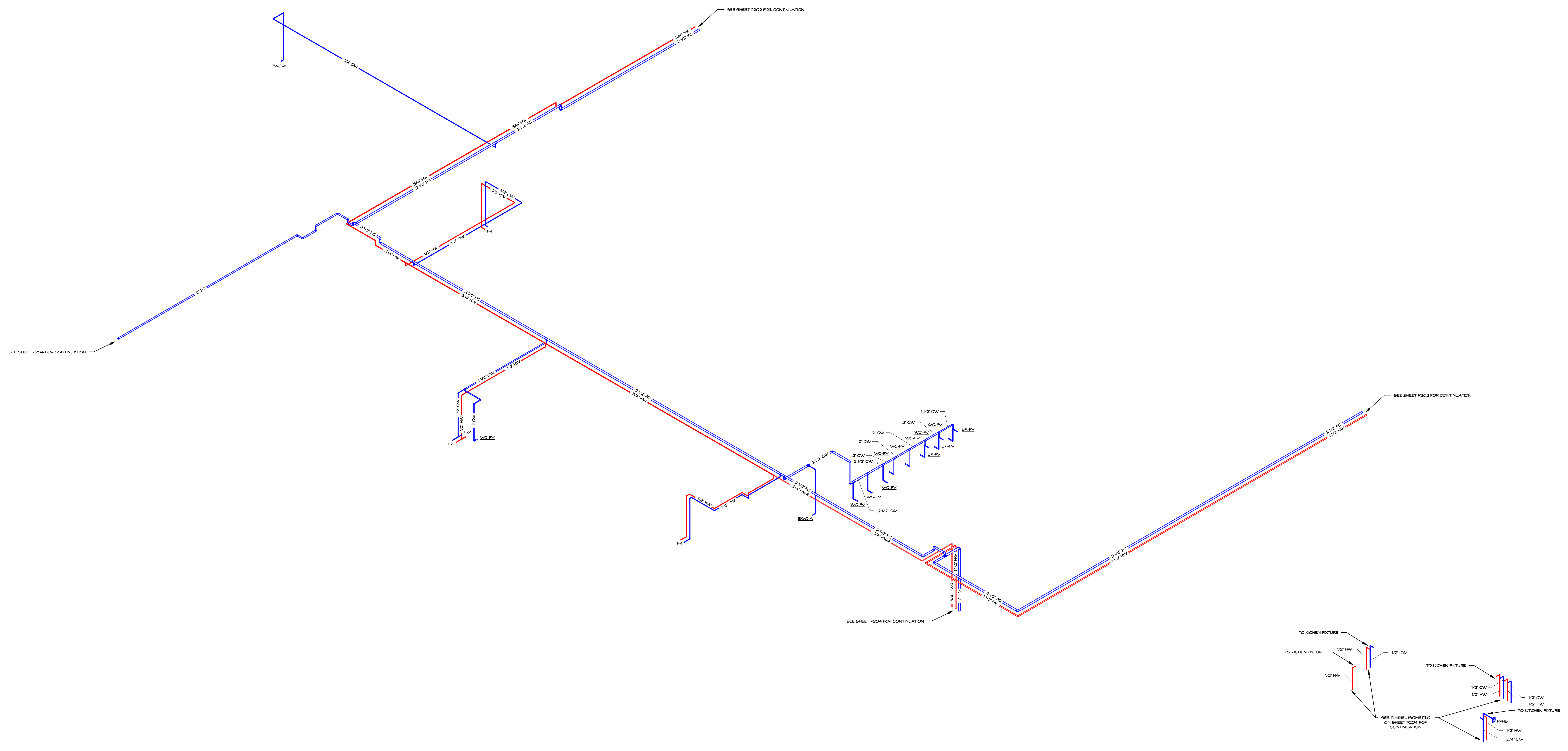
Revision:	Description:	Date:	Revised By:

Drawing Title:  
**SUPPLY ISOMETRIC AREAS**  
**C & D**

Date: AUGUST 16, 2019  
 Scale: \_\_\_\_\_  
 Drawn By: \_\_\_\_\_  
 SAM  
 SP+A Project No: \_\_\_\_\_ State Project No: \_\_\_\_\_  
 18.003 067-0042 CV

P202





Project Title:  
**Hebron Elementary School**  
**Contaminated Water Piping Replacement**  
 92 Church St  
 Hebron, CT 06248



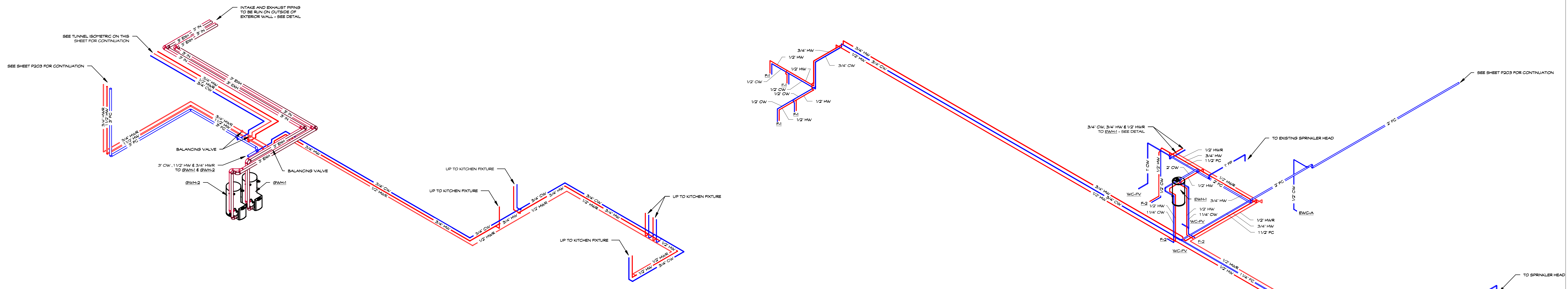
**SILVER / PETRUCELLI + ASSOCIATES**  
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Revision:	Description:	Date:	Revised By:

Drawing Title:  
**SUPPLY ISOMETRIC AREAS**  
**E & F**

Date: **AUGUST 16, 2019**  
 Scale: \_\_\_\_\_  
 Drawn By: \_\_\_\_\_  
 SAM  
 SPP-A Project No: \_\_\_\_\_ State Project No: \_\_\_\_\_  
 18.003 067-0042 CV

**P203**

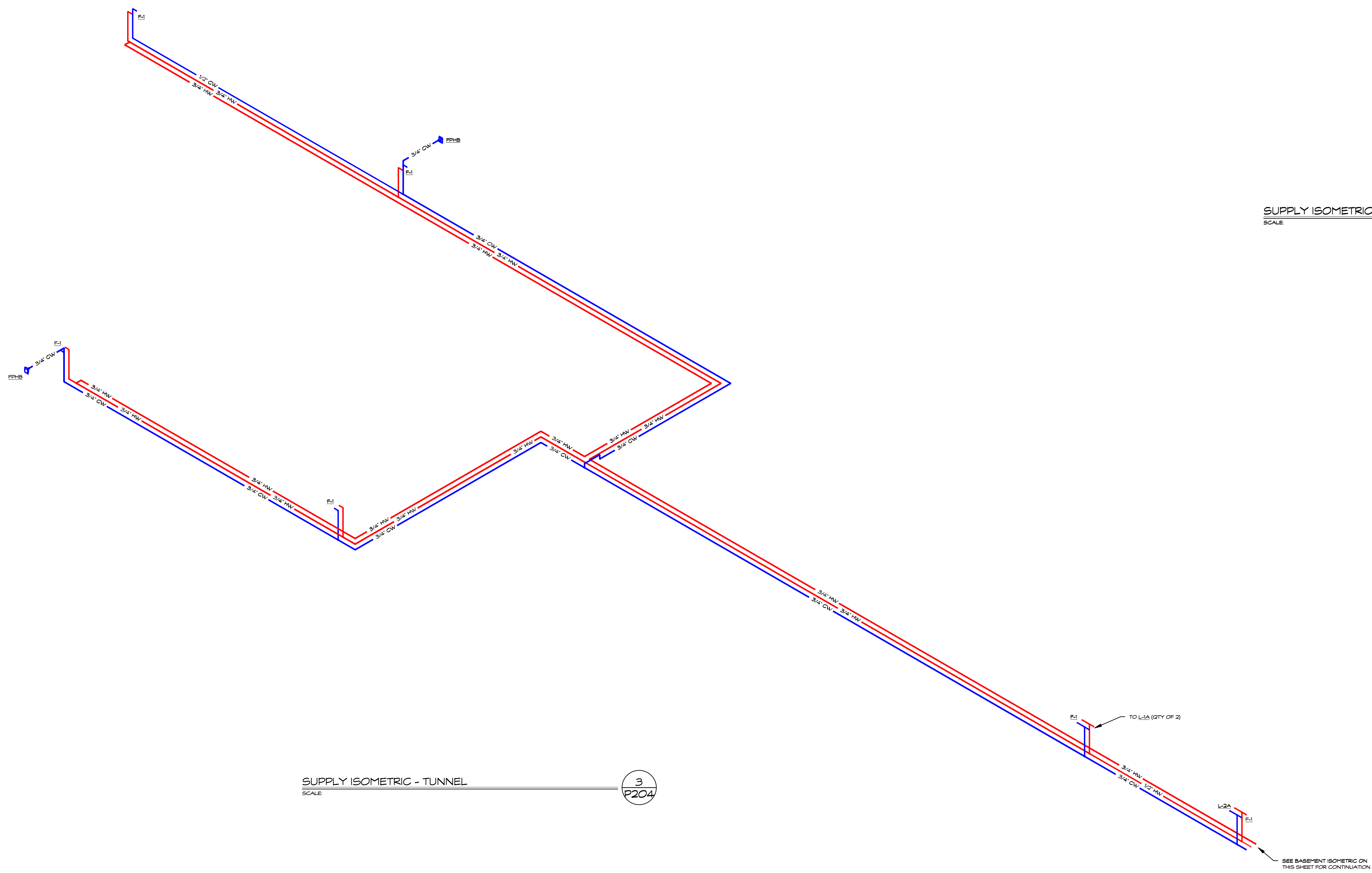


SUPPLY ISOMETRIC - BASEMENT  
SCALE

1  
P204

SUPPLY ISOMETRIC - AREA G  
SCALE

2  
P204



SUPPLY ISOMETRIC - TUNNEL  
SCALE

3  
P204

Project Title:  
Hebron Elementary School  
Contaminated Water Piping Replacement  
92 Church St  
Hebron, CT 06248



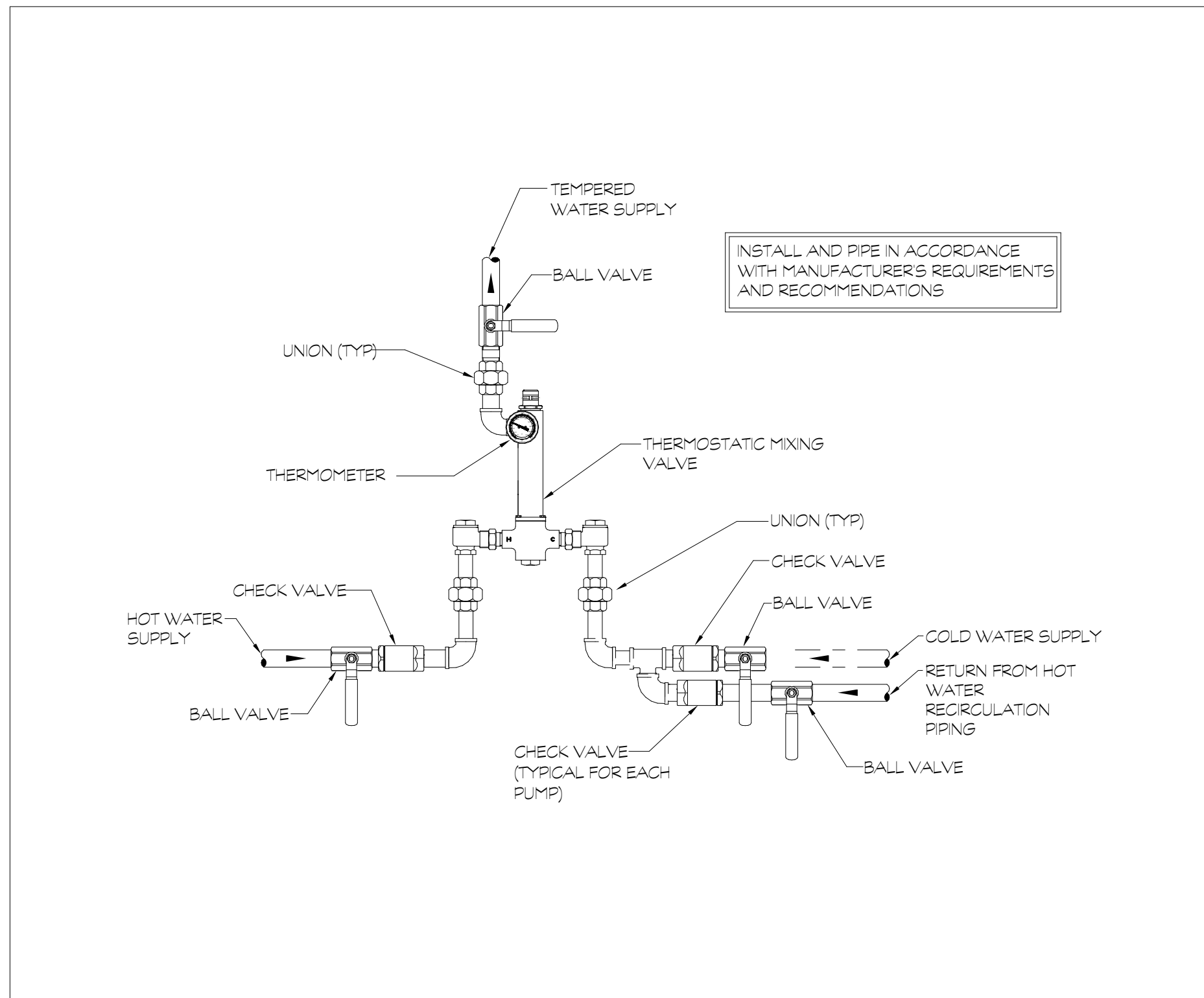
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Revision:	Description:	Date:	Revised By:

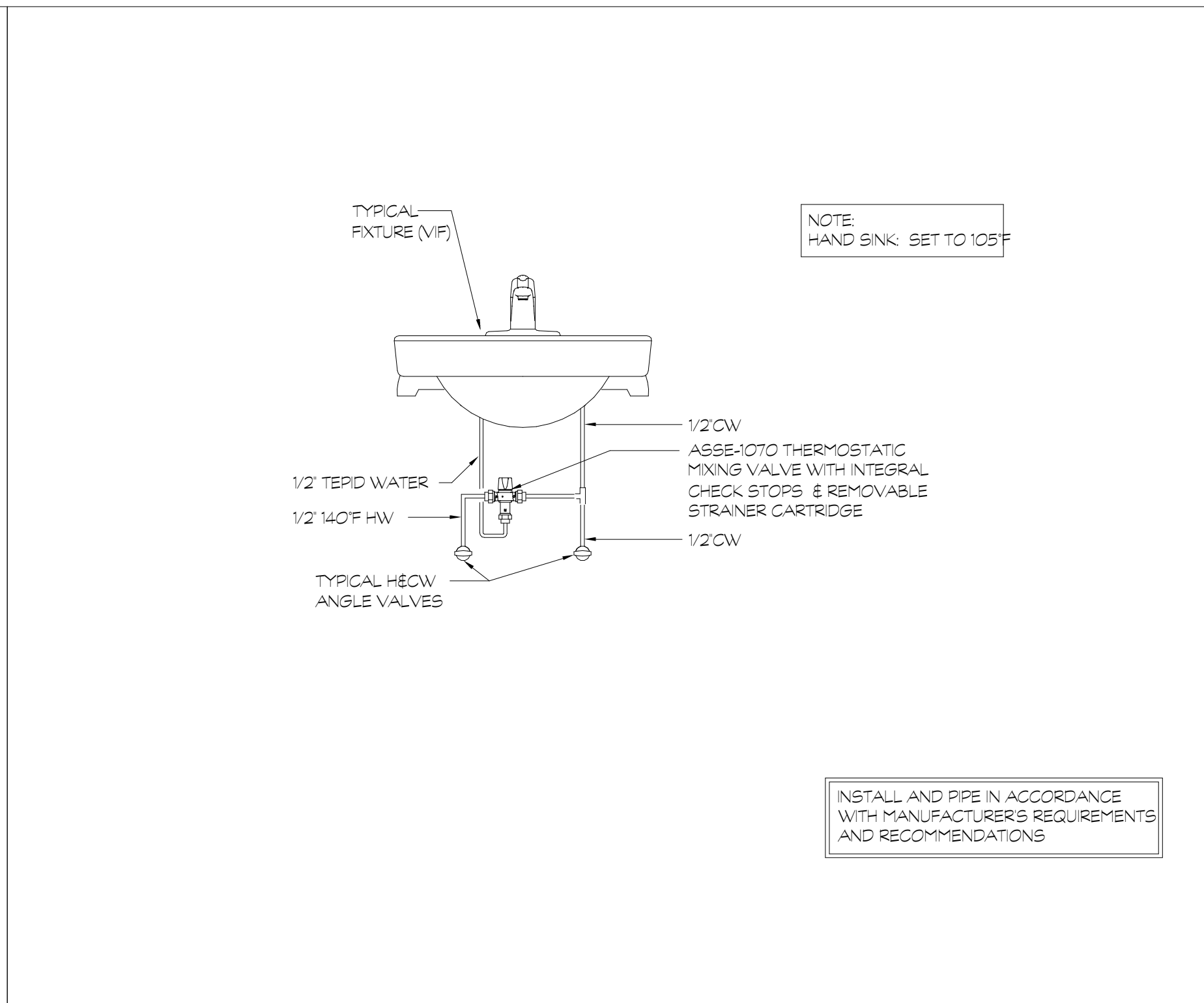
Drawing Title:  
SUPPLY ISOMETRIC AREAS G,  
TUNNEL & BASEMENT

Date: AUGUST 16, 2019  
Scale: \_\_\_\_\_  
Drawn By: SAM  
SPP-A Project No: 18-003 State Project No: 067-0042 CV  
Drawing Number: P204

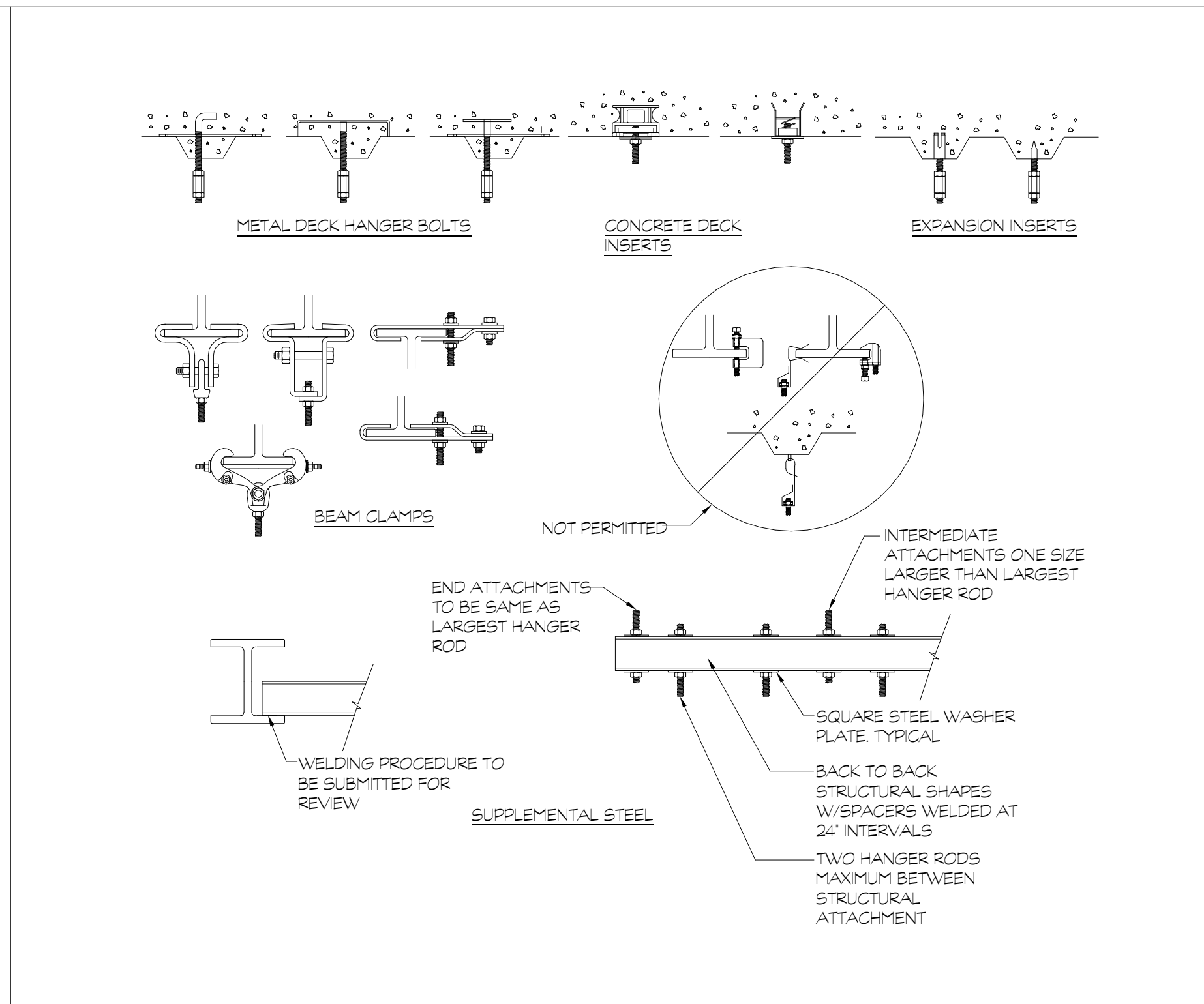




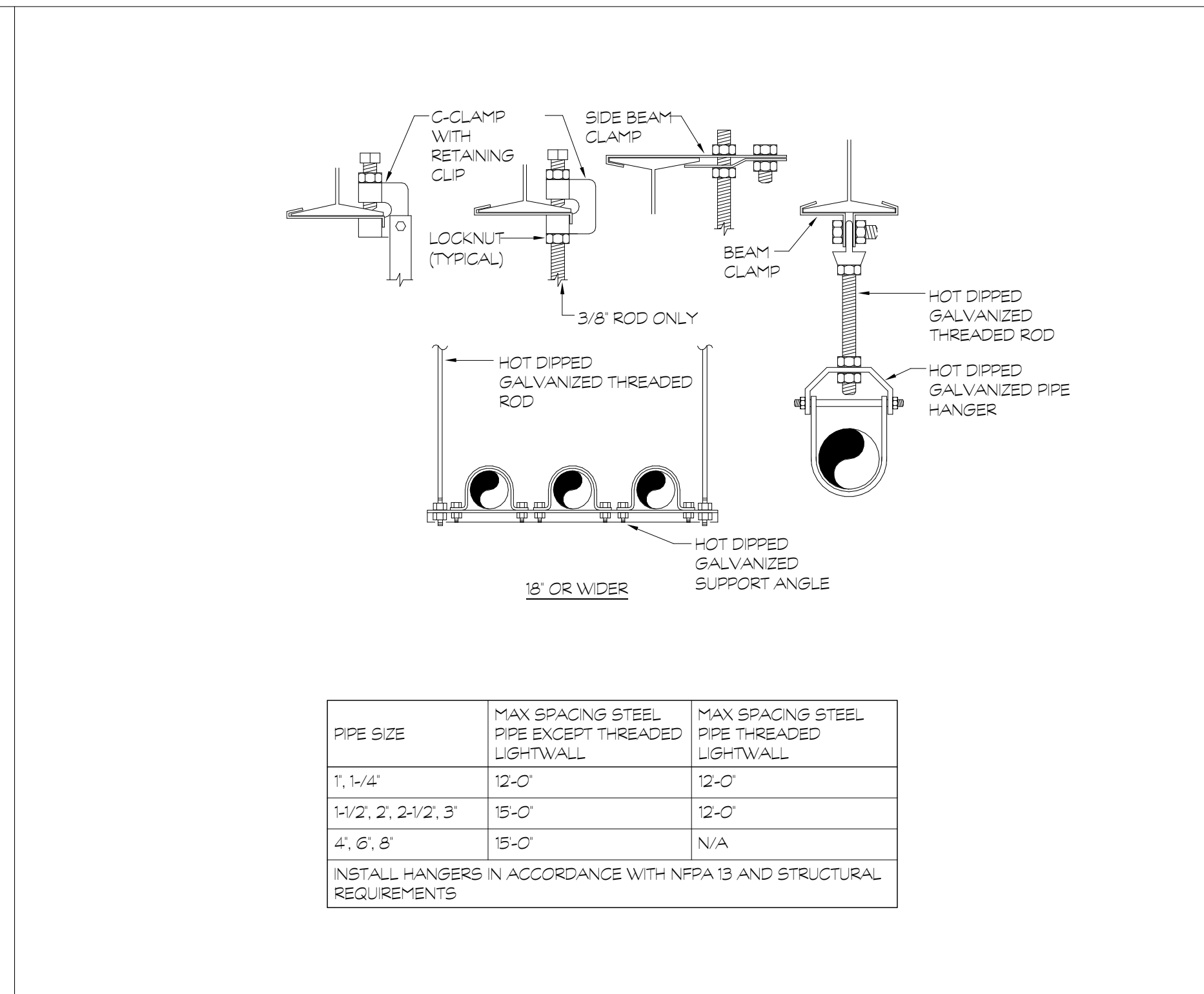
**THERMOSTATIC MIXING VALVE DETAIL**  
NOT TO SCALE



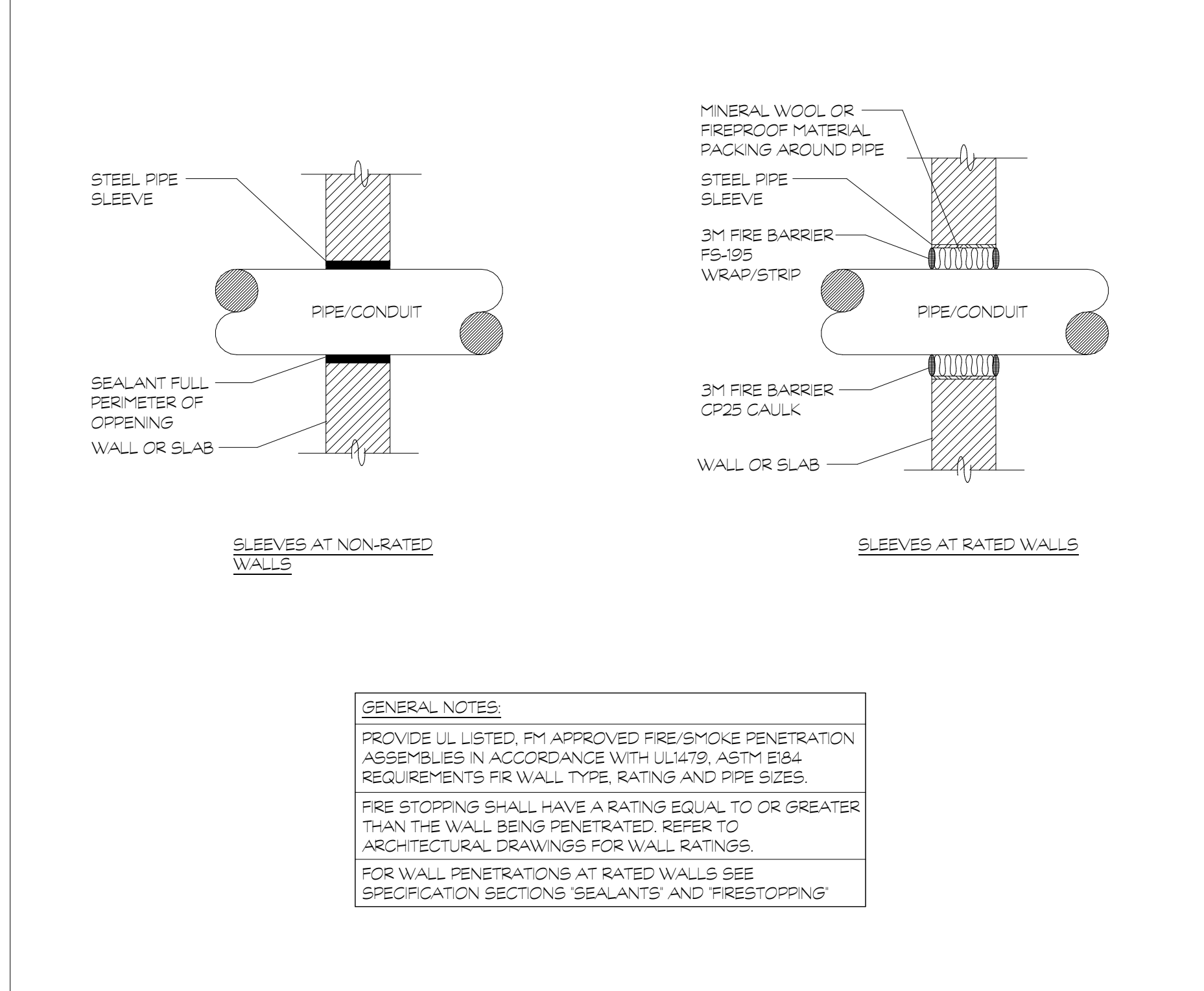
**POINT OF USE THERMOSTATIC MIXING VALVE DETAIL**  
NOT TO SCALE



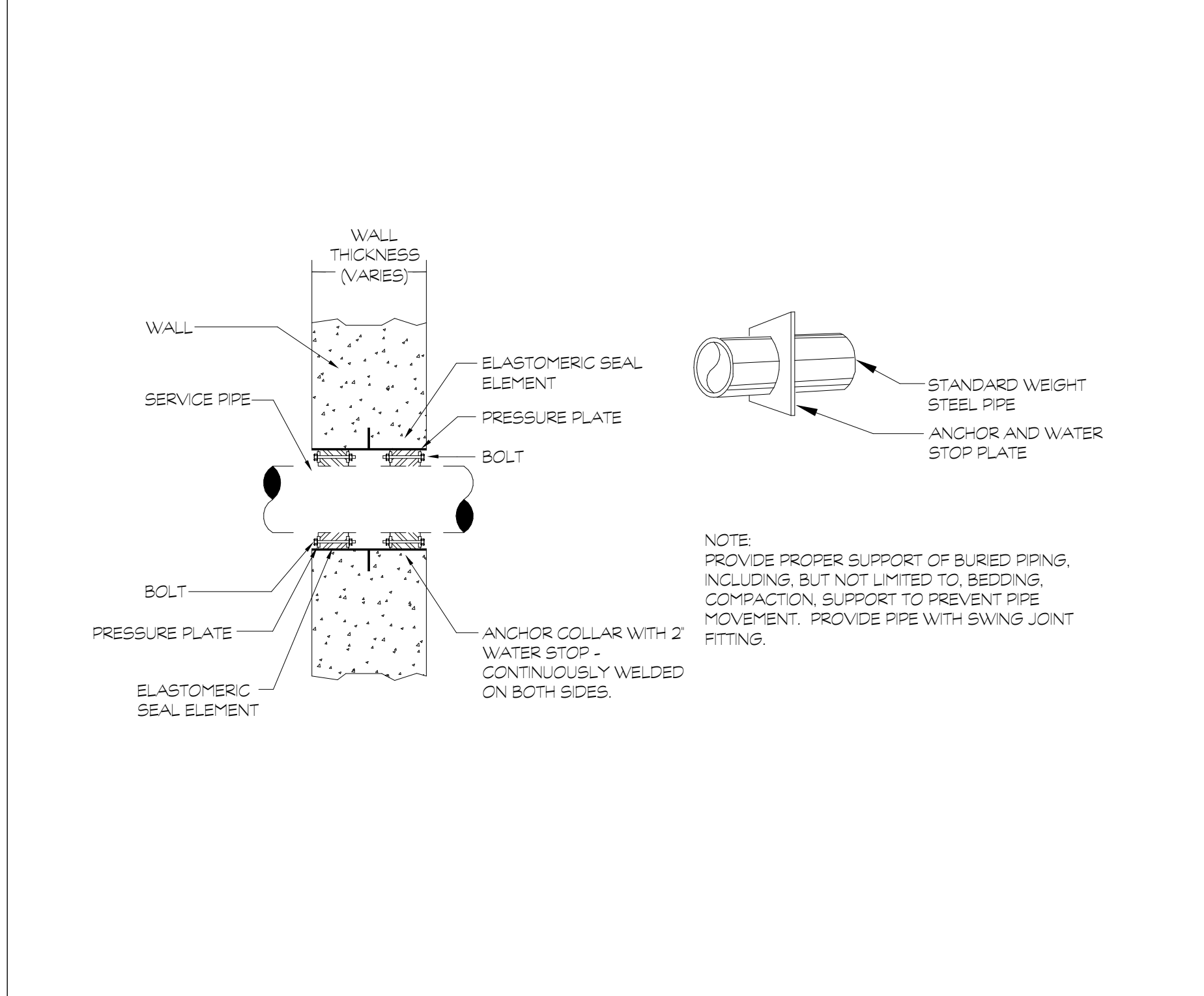
**PIPE HANGER ATTACHMENT DETAIL**  
NOT TO SCALE



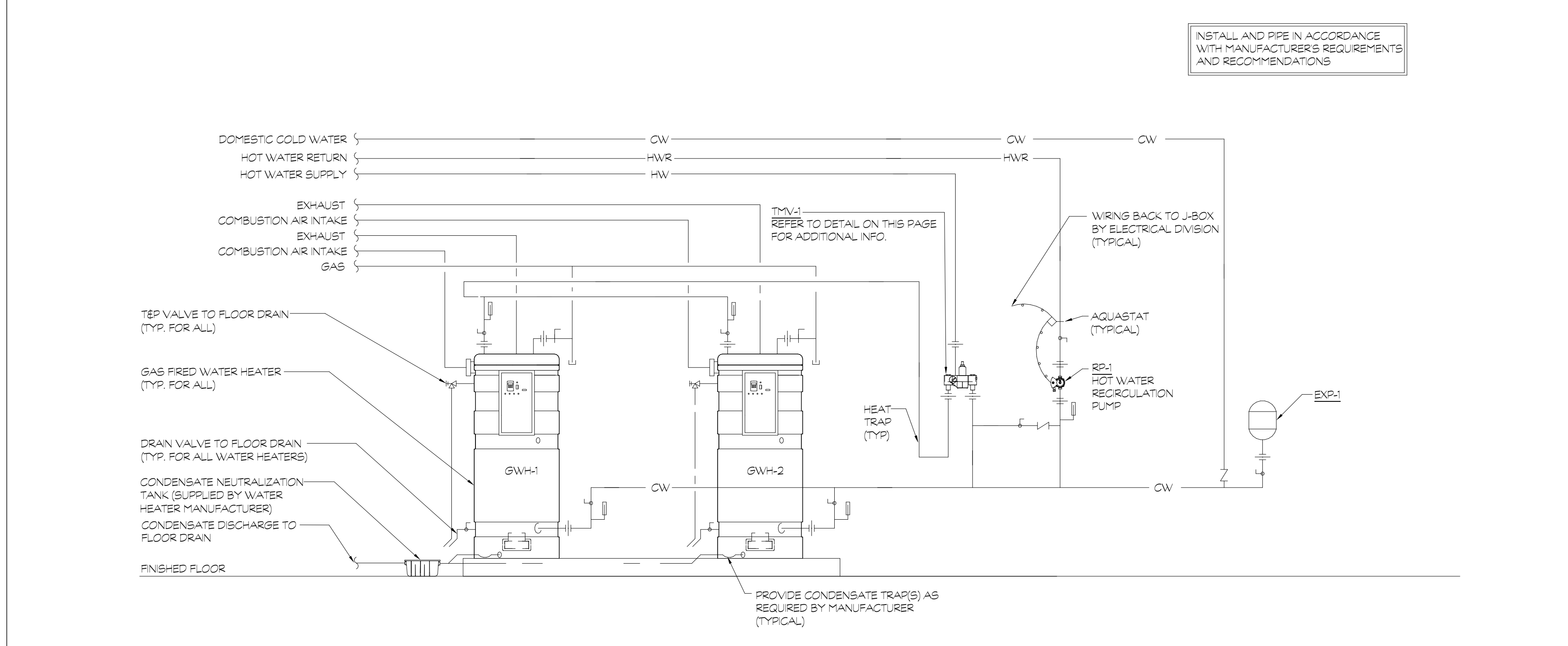
**PIPE SUPPORT DETAIL**  
NOT TO SCALE



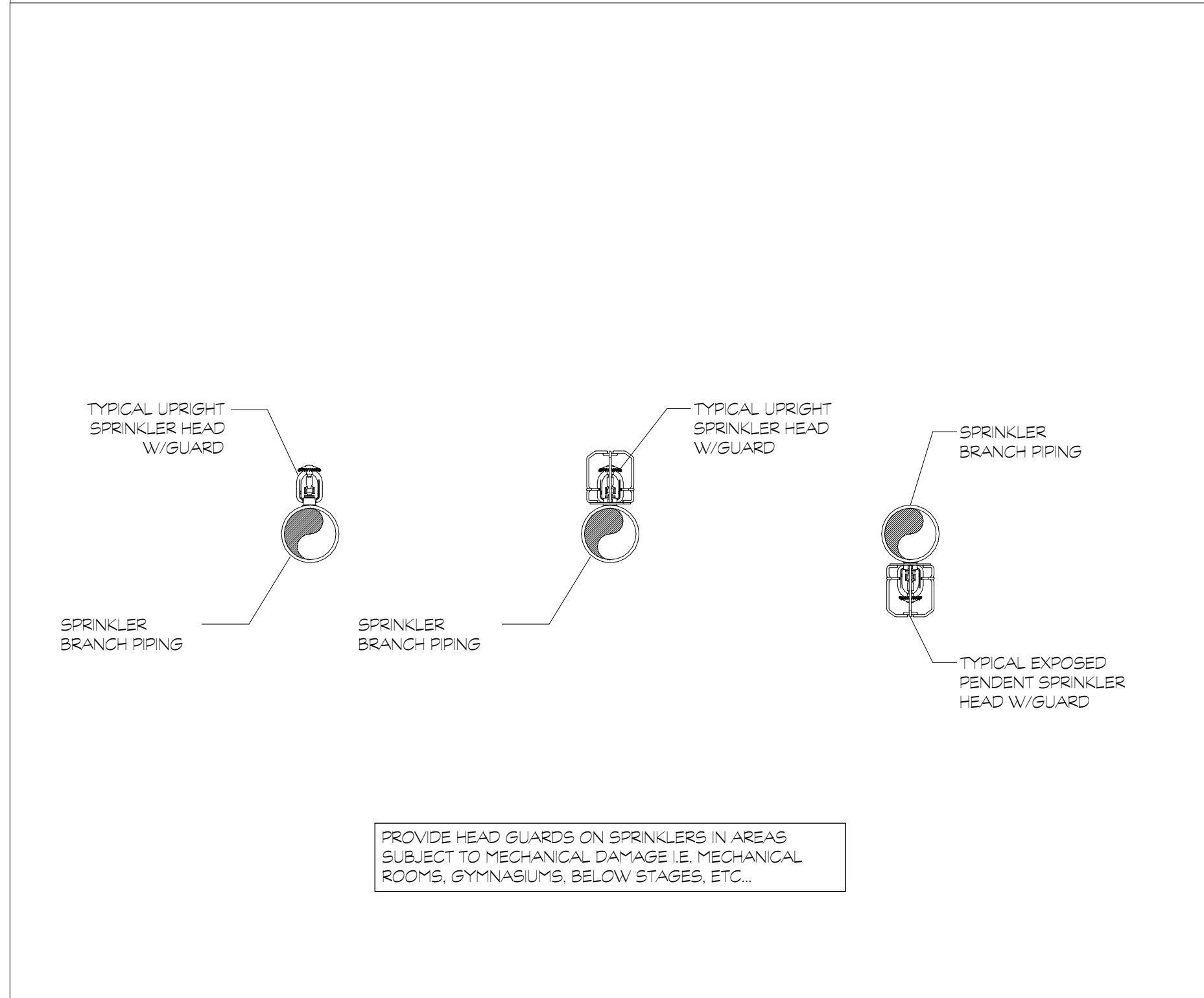
**PIPE PENETRATION DETAIL**  
NOT TO SCALE



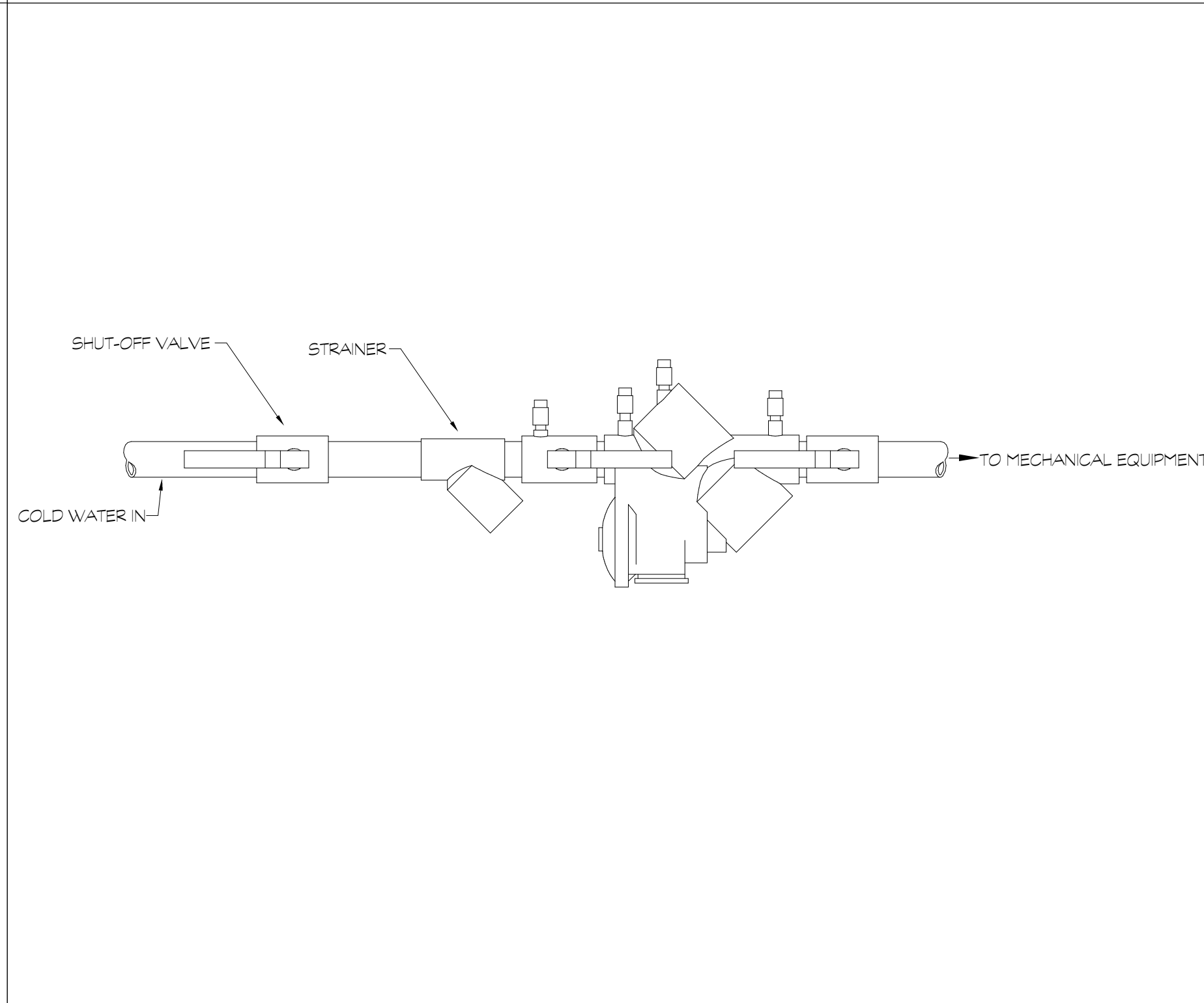
**EXTERIOR PIPE PENETRATION W/SLEEVE DETAIL**  
NOT TO SCALE



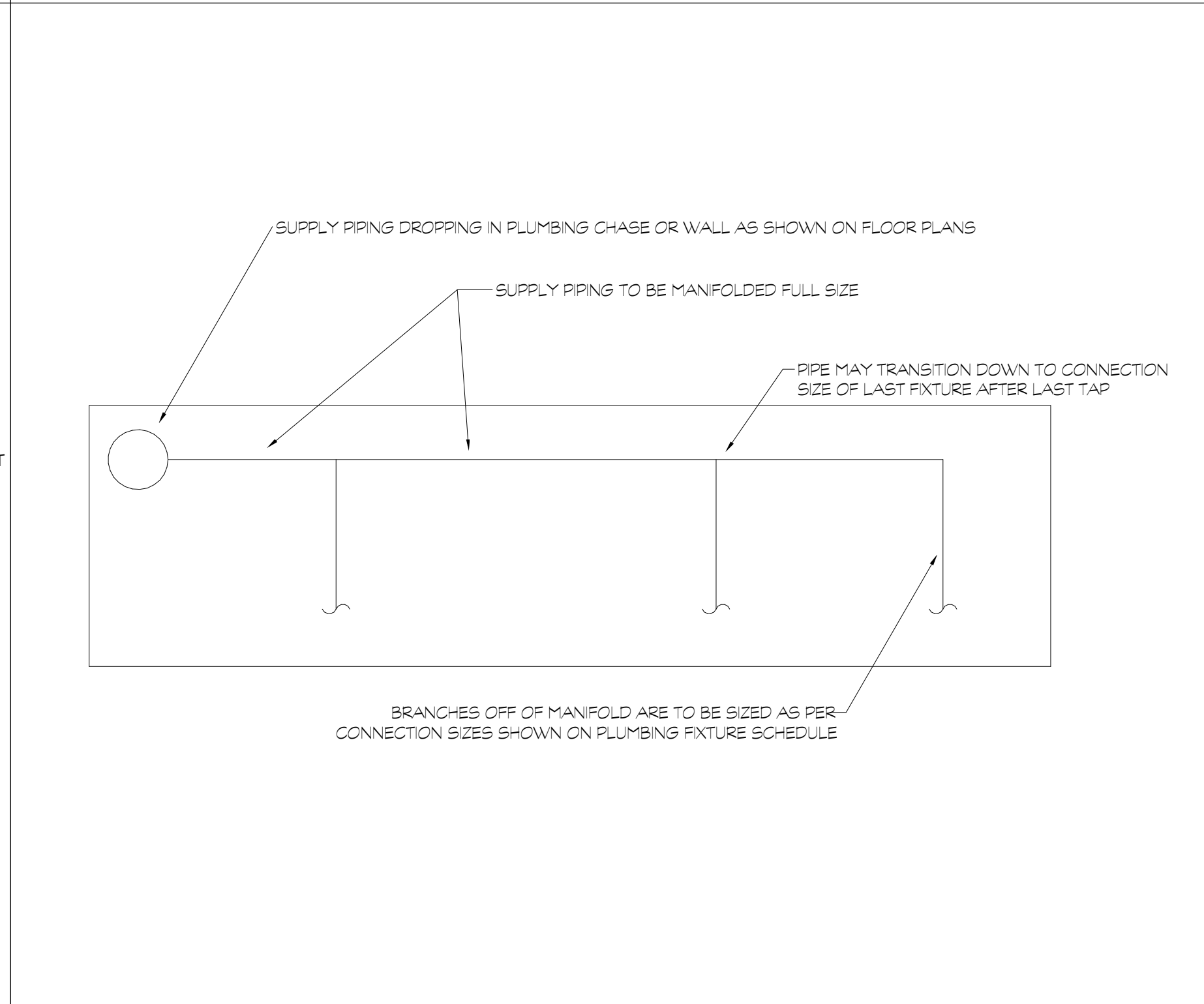
**GAS FIRED WATER HEATER PIPING DETAIL**  
NOT TO SCALE



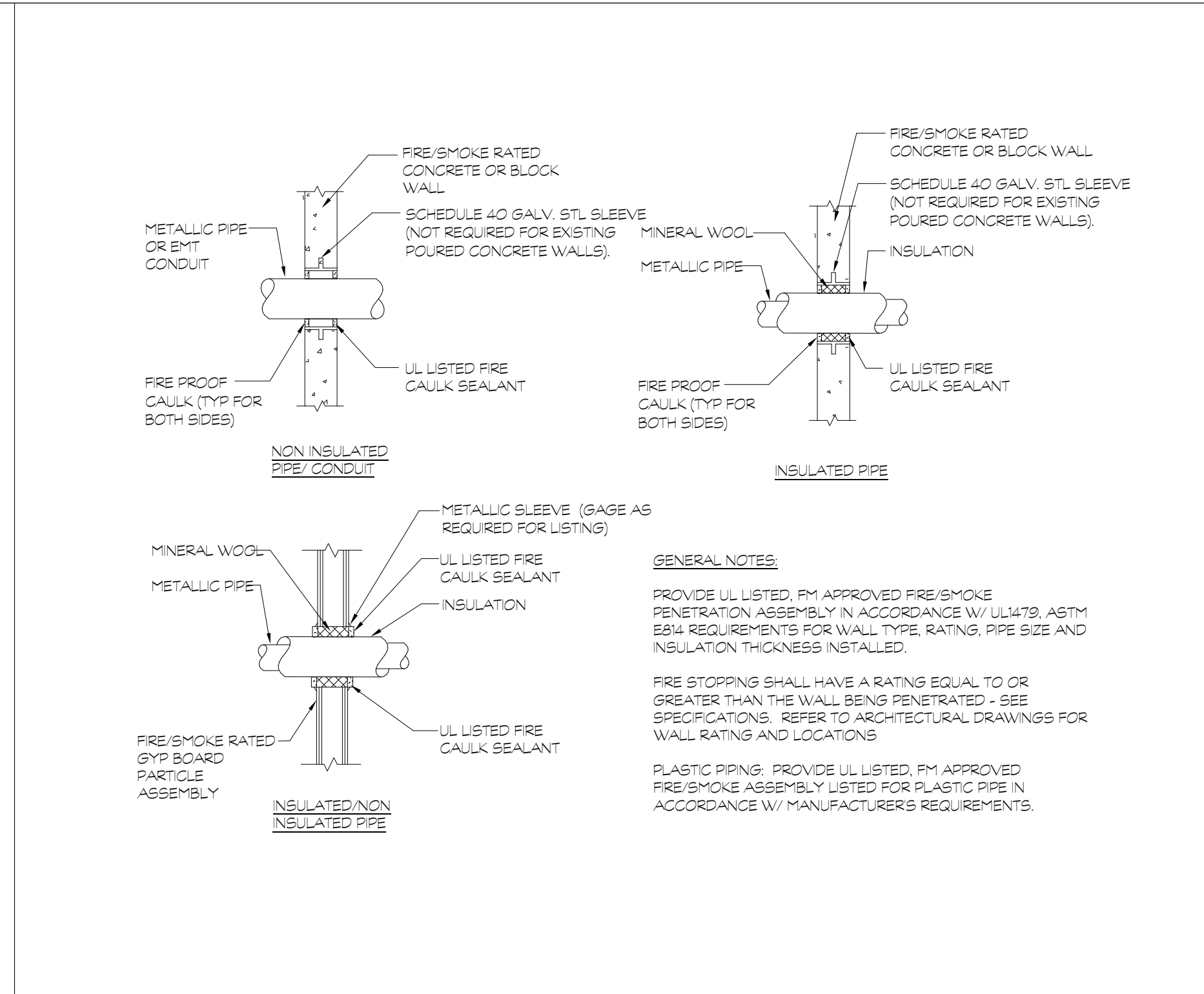
**EXPOSED SPRINKLER HEAD DETAILS**  
NOT TO SCALE



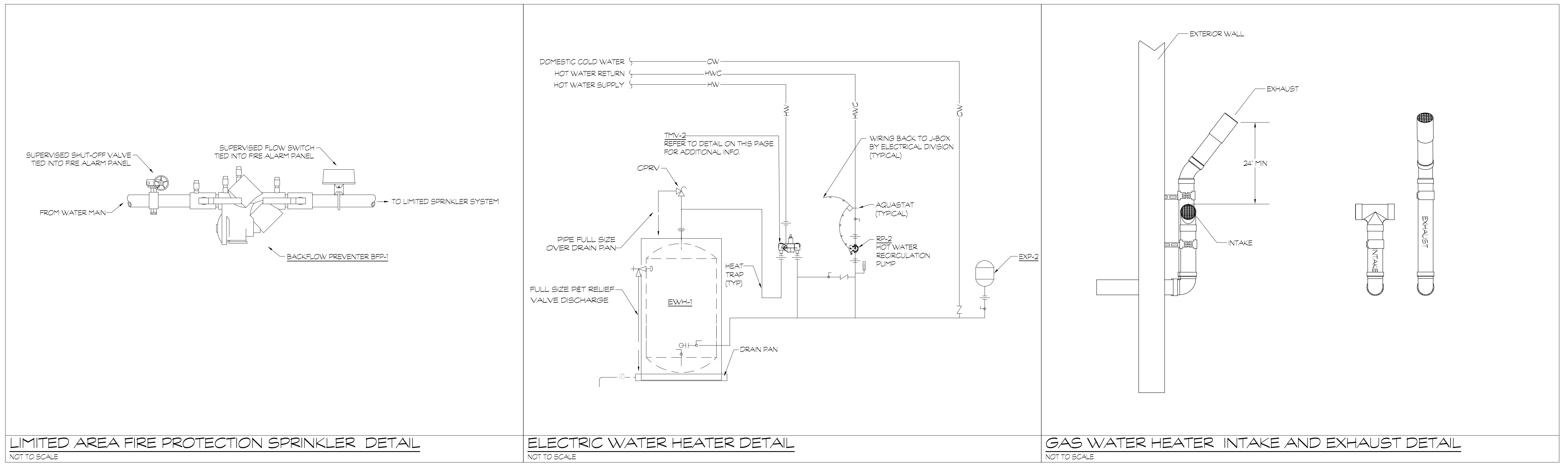
**BACKFLOW PREVENTER FOR MAKE-UP WATER DETAIL**  
NOT TO SCALE



**SUPPLY PIPING MANIFOLD DETAIL**  
NOT TO SCALE



**PIPE PENETRATION WITH FIRE/SMOKE SEAL**  
NOT TO SCALE



LIMITED AREA FIRE PROTECTION SPRINKLER DETAIL  
NOT TO SCALE

ELECTRIC WATER HEATER DETAIL  
NOT TO SCALE

GAS WATER HEATER INTAKE AND EXHAUST DETAIL  
NOT TO SCALE

Project Title:  
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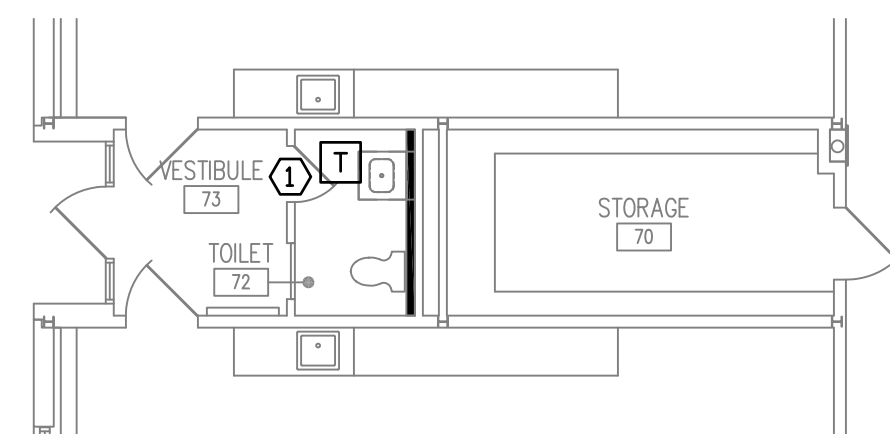
Revision:	Description:	Date:	Revised By:

Drawing Title:  
**PLUMBING DETAILS**

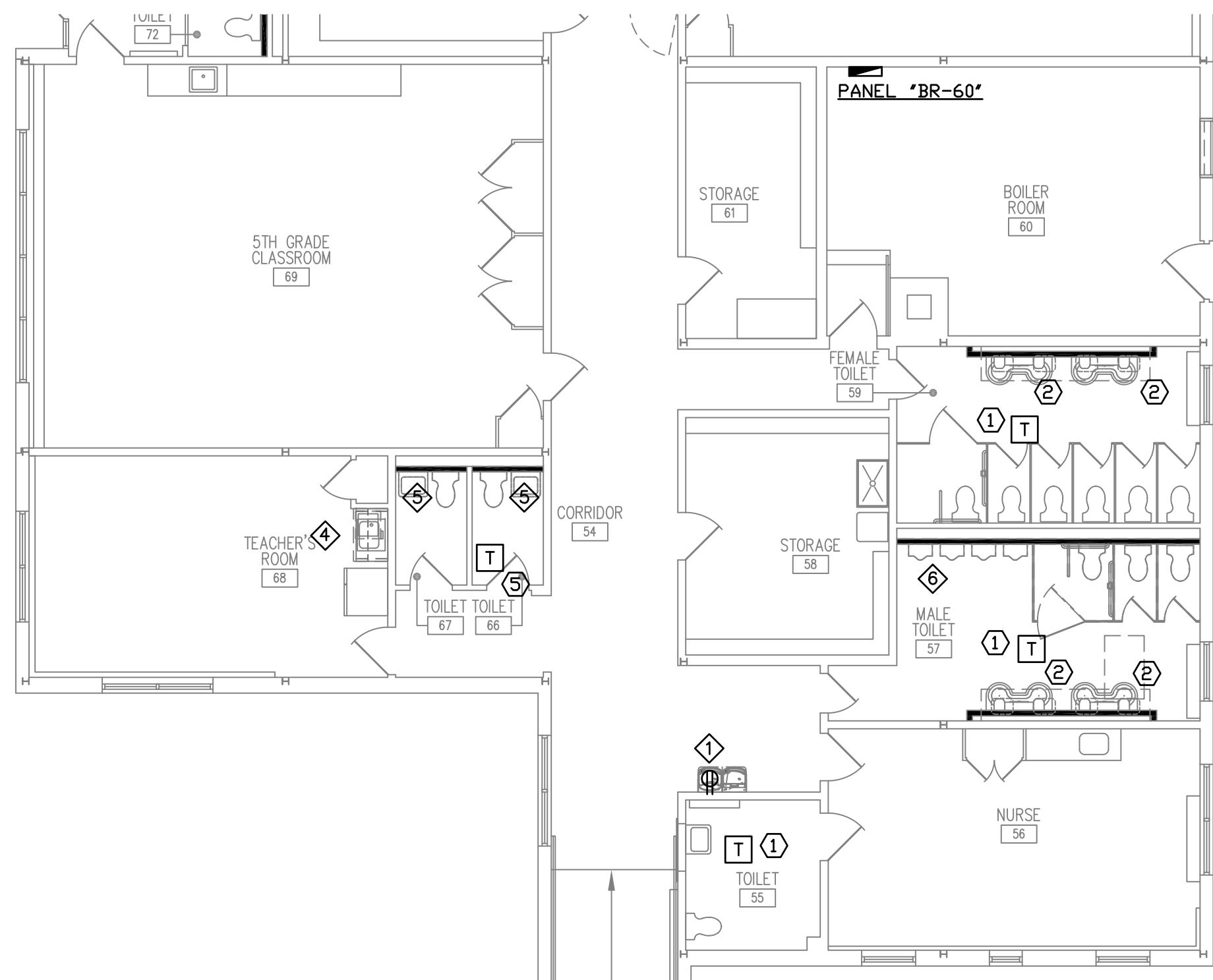
Date: **AUGUST 16, 2019**  
 Scale: **NOT TO SCALE**  
 Drawn By: **SAM**  
 SPP+A Project No: **18.003** State Project No: **067-0042 CV**  
 Drawing Number: **P802**



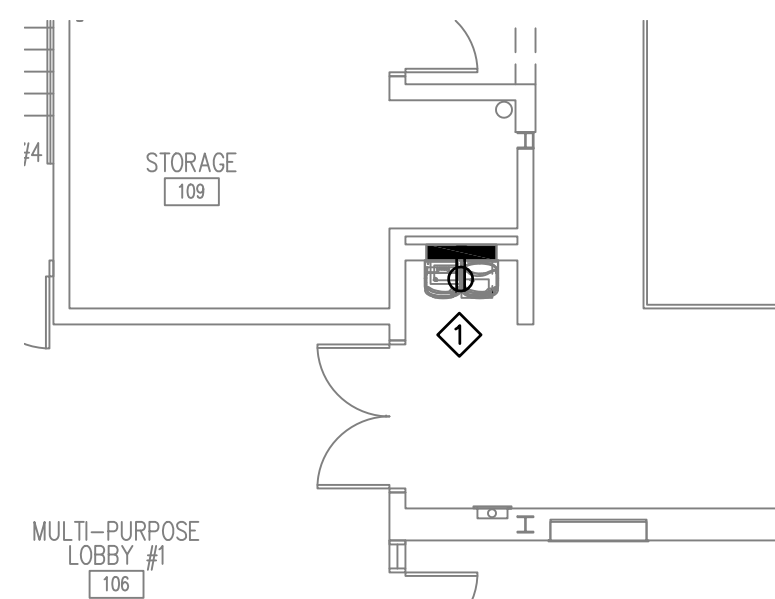




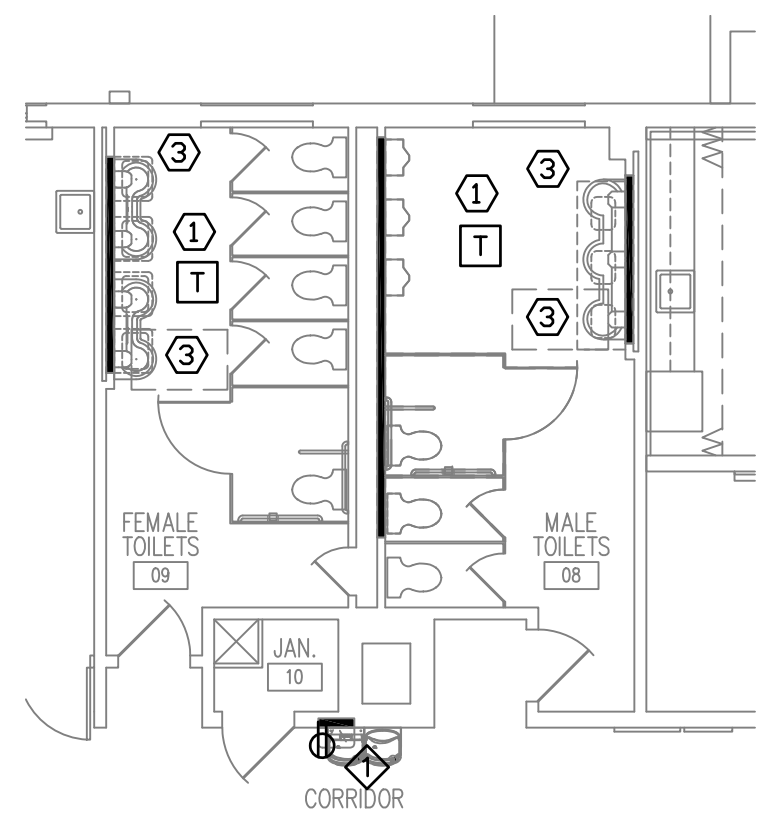
**WORK AREA "A" ELECTRICAL PART PLAN**  
SCALE: 1/8" = 1'-0"



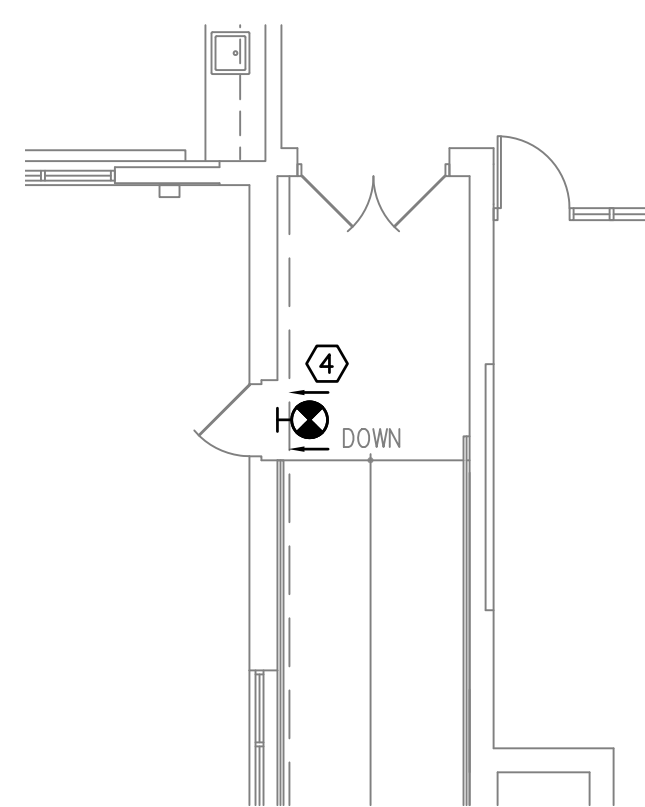
**WORK AREA "C" ELECTRICAL PART PLAN**  
SCALE: 1/8" = 1'-0"



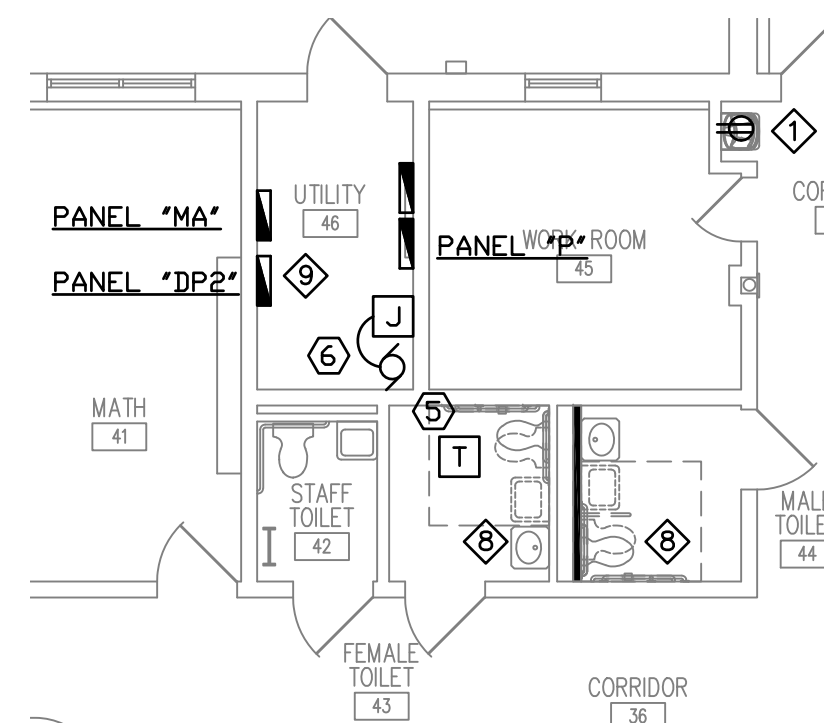
**WORK AREA "E" ELECTRICAL PART PLAN**  
SCALE: 1/8" = 1'-0"



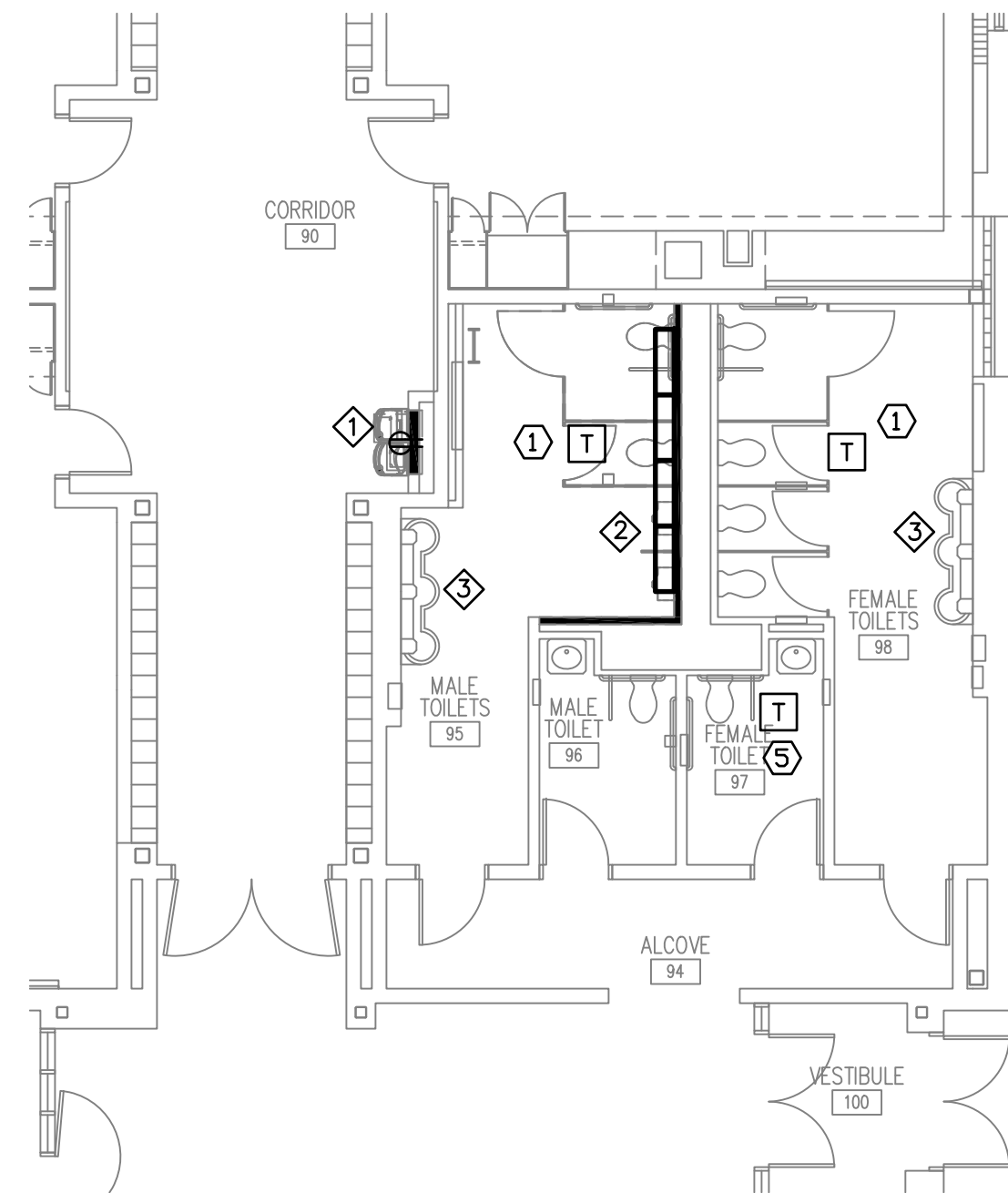
**WORK AREA "F" ELECTRICAL PART PLAN**  
SCALE: 1/8" = 1'-0"



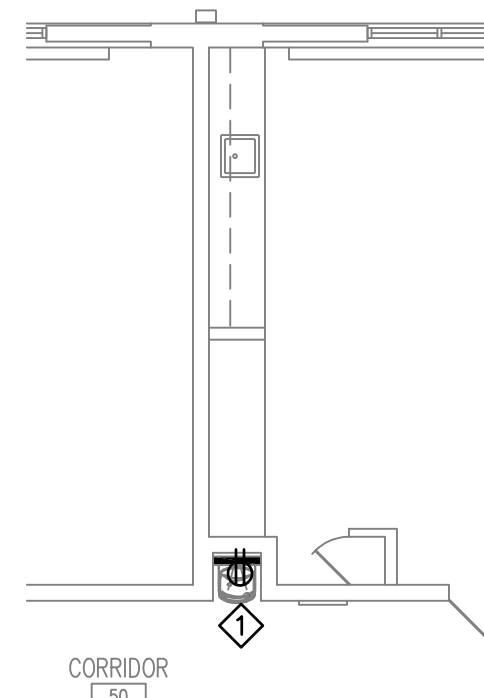
**WORK AREA "H" ELECTRICAL PART PLAN**  
SCALE: 1/8" = 1'-0"



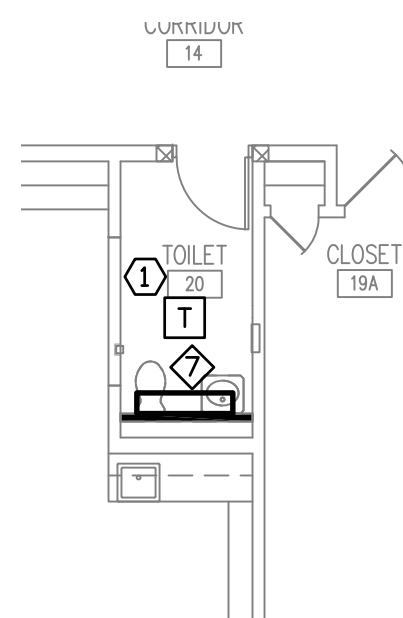
**AREA "J" ELECTRICAL PART PLAN**  
SCALE: 1/8" = 1'-0"



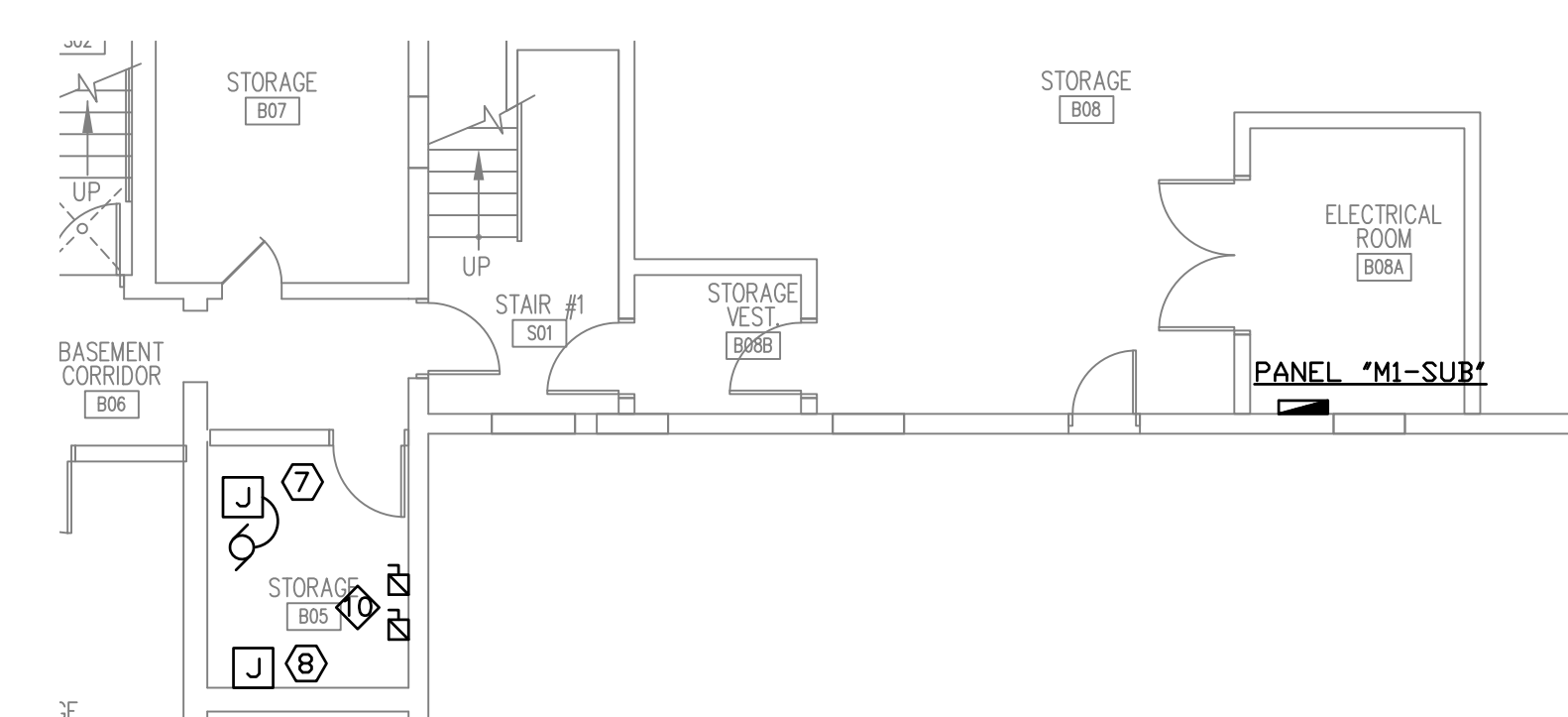
**WORK AREA "B" ELECTRICAL PART PLAN**  
SCALE: 1/8" = 1'-0"



**WORK AREA "D" ELECTRICAL PART PLAN**  
SCALE: 1/8" = 1'-0"



**WORK AREA "G" ELECTRICAL PART PLAN**  
SCALE: 1/8" = 1'-0"



**PART AREA "K" ELECTRICAL PLAN (BASEMENT)**  
SCALE: 1/8" = 1'-0"

**ELECTRICAL KEYNOTES**

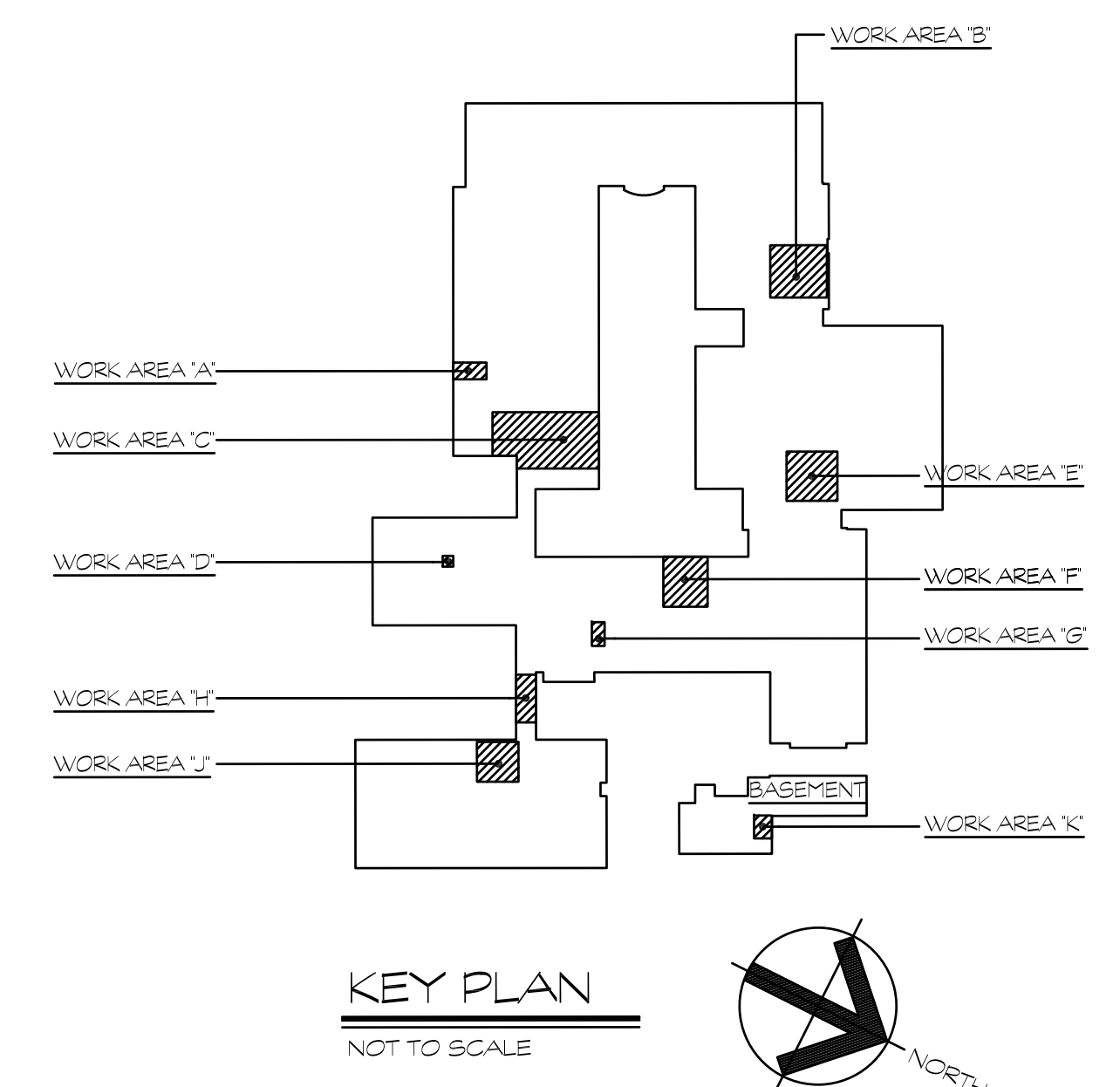
- ① NEW TRANSFORMER ABOVE CEILING FOR FLUSH VALVES. PROVIDE 2#12 & 1#12G IN 3/4" CONDUIT FROM NEAREST LIGHTING CIRCUIT FOR TRANSFORMER POWER.
- ② PROVIDE NEW 20A-1P GE CIRCUIT BREAKER IN SPACE 32 IN PANEL BR-60 LOCATED IN THE BOILER ROOM 60. PROVIDE 2#12 & 1#12G IN 3/4" CONDUIT FROM NEW CIRCUIT BREAKER TO NEW HAND SINK TRANSFORMERS (4) ABOVE CEILING.
- ③ PROVIDE NEW 20A-1P CUTLER HAMMER CIRCUIT BREAKER IN SPACE 18 IN PANEL M1-SUB LOCATED IN THE BASEMENT ELECTRICAL ROOM BOBA. PROVIDE 2#12 & 1#12G IN 3/4" CONDUIT FROM NEW CIRCUIT BREAKER TO NEW HAND SINK TRANSFORMERS (2) ABOVE CEILING IN MALE AND FEMALE TOILETS ON THE LEVEL ABOVE.
- ④ PROVIDE NEW DUALITE EVERURE LED EXIT SIGN (OR EQUAL TO MATCH EXISTING AS CLOSE AS POSSIBLE WITH EMERGENCY BATTERY FOR 90 MINUTE OPERATION. SIGN TO BE DUAL FACED WITH DIRECTIONAL ARROWS AS INDICATED.
- ⑤ NEW TRANSFORMER ABOVE CEILING FOR FLUSH VALVES. PROVIDE 2#12 & 1#12G IN 3/4" CONDUIT FROM NEAREST LIGHTING CIRCUIT FOR TRANSFORMER POWER. SINGLE TRANSFORMER TO SERVE BOTH TOILET ROOMS.
- ⑥ PROVIDE NEW SIEMENS 20A-1P CIRCUIT BREAKER IN PANEL P, SECTION 2, SPACE 34. PROVIDE 2#12 & 1#12G IN 3/4" CONDUIT TO NEW RECIRC PUMP IN STORAGE ROOM B05.
- ⑦ PROVIDE NEW CUTLER HAMMER 20A-1P CIRCUIT BREAKER IN PANEL M1-SUB, SPACE 20 LOCATED IN THE BASEMENT ELECTRICAL ROOM BOBA. PROVIDE 2#12 & 1#12G IN 3/4" CONDUIT TO NEW RECIRC PUMP IN STORAGE ROOM B05.
- ⑧ PROVIDE NEW CUTLER HAMMER 20A-1P CIRCUIT BREAKER IN PANEL M1-SUB, SPACE 41 LOCATED IN THE BASEMENT ELECTRICAL ROOM BOBA. PROVIDE 2#12 & 1#12G IN 3/4" CONDUIT TO JUNCTION BOX FOR NEW GAS WATER HEATERS CONTROL IN STORAGE ROOM B05.

**ELECTRICAL DEMO KEYNOTES**

- ◇ DISCONNECT WATER COOLER FROM EXISTING POWER SOURCE. RECONNECT NEW WATER COOLER TO SOURCE AFTER INSTALLATION.
- ◇ REMOVE EXISTING LIGHT FIXTURES (4) AND STORE FOR REINSTALLATION UPON COMPLETION OF NEW WALL. RECONNECT TO EXISTING CIRCUIT.
- ◇ DISCONNECT WASH SINK FROM EXISTING POWER SOURCE. RECONNECT SINK TO SOURCE AFTER INSTALLATION.
- ◇ DISCONNECT EXISTING STOVE/REFRIGERATOR UNIT FROM POWER SOURCE. CONTRACTOR TO REMOVE WIRING BACK TO SOURCE PANEL. CIRCUIT BREAKER FOR UNIT TO BE TURNED OFF AND LABELED AS "SPARE".
- ◇ DISCONNECT LIGHT FIXTURE AND FIRE ALARM HORN/STROBE AND STORE FOR REINSTALLATION UPON COMPLETION OF NEW WALL. RECONNECT TO EXISTING CIRCUIT POWER AND FIRE ALARM CIRCUITS.
- ◇ DISCONNECT FIRE ALARM HORN/STROBE AND CALL FOR AID PULL STATION AND STORE FOR REINSTALLATION UPON COMPLETION OF NEW WALL. RECONNECT TO EXISTING CIRCUIT FIRE ALARM CIRCUIT.
- ◇ REMOVE EXISTING LIGHT FIXTURE AND STORE FOR REINSTALLATION UPON COMPLETION OF NEW WALL. RECONNECT TO EXISTING CIRCUIT.
- ◇ DISCONNECT FIRE ALARM HORN/STROBE AND STORE FOR REINSTALLATION UPON COMPLETION OF NEW WALL. RECONNECT TO EXISTING CIRCUIT FIRE ALARM CIRCUIT.
- ◇ DISCONNECT EXISTING WATER HEATER AND MAKE WIRING SAFE. RECONNECT TO NEW WATER HEATER AFTER INSTALLATION. REUSE EXISTING CIRCUIT.
- ◇ EXISTING HOT WATER HEATERS (2) TO BE REMOVED. EXISTING 60A AND 100A DISCONNECT SWITCHES TO BE TURNED OFF. REMOVE EXISTING WIRING FROM SWITCHES BACK TO SOURCE PANEL M1. TURN CIRCUIT BREAKERS FOR WATER HEATERS OFF AND LABEL AS "SPARE". EXISTING CONDUIT TO REMAIN.

**ELECTRICAL GENERAL NOTES**

1. SPECIFICATION SECTIONS, GENERAL CONDITIONS, SUPPLEMENTAL GENERAL CONDITIONS AND DRAWINGS ARE INTEGRAL PARTS OF CONTRACT DOCUMENTS.
2. ALL WORK AND ACTION DEPICTED AND DESCRIBED IN CONTRACT DOCUMENTS TO BE PERFORMED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE.
3. REFERENCE TO SPECIFIC SUB-CONTRACTORS SUCH AS "ELECTRICAL", ETC. ARE INTENDED TO SUGGEST POSSIBLE DIVISION OF RESPONSIBILITY. PRIME CONTRACTOR TO BE RESPONSIBLE FOR COORDINATION AND EXECUTION OF ALL WORK.
4. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS.
5. ALL EQUIPMENT, MATERIALS AND RELATED SYSTEM COMPONENTS TO BE NEW UNLESS NOTED OTHERWISE.
6. REPAIR AND REPLACE AT NO COST TO OWNER ALL EQUIPMENT AND MATERIALS DAMAGED DURING CONSTRUCTION.
7. STUDY THE PROJECT MANUAL & DRAWINGS OF OTHER DISCIPLINES INCLUDING CIVIL.
8. ACCESS TO AND CLEARANCES AROUND ELECTRICAL EQUIPMENT MUST CONFORM TO N.E.C. ARTICLES 110 AND 384. ELECTRICAL CONTRACTOR MUST CONSULT ENGINEER WHERE SPACE APPEARS INADEQUATE DUE TO ARCHITECTURAL CHANGES, EQUIPMENT LAYOUT CHANGES, OR FIELD CONDITIONS. DO NOT COVER, OBSCURE OR BLOCK ACCESS TO EQUIPMENT, DATA PLATES, ACCESS PLATES OR MAINTENANCE AREAS WITH THE ELECTRICAL WORK.
9. THIS DRAWING SHOWS EQUIPMENT LOCATIONS ONLY. WIRING SHOWN IS SCHEMATIC IN NATURE. REFER TO RISER AND DETAILS FOR ALL REQUIRED POWER AND CONTROL WIRING. COORDINATE CONDUIT ROUTE IN FIELD WITH OTHER TRADES, EQUIPMENT AND OWNER. VERIFY ALL MOUNTING HEIGHTS WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.
10. UNLESS NOTED OTHERWISE, ALL HOMERUNS SHOWN ARE 2#12 & 1#12G IN 3/4" CONDUIT TO 20A-1P CIRCUIT BREAKER IN PANEL LISTED UNLESS DESIGN DICTATES OTHERWISE.
11. UNLESS NOTED OTHERWISE, ALL WIRING OF CIRCUIT MUST MAINTAIN HOMERUN WIRING OF CIRCUIT. MINIMUM POWER WIRING TO BE 2#12 & 1#12G IN 3/4" CONDUIT. MINIMUM CONTROL WIRING SHALL BE 2#14, 3/4" CONDUIT.
12. CONDUIT ROUTES SHOWN ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO BE THE EXACT ROUTE. EXACT ROUTE TO BE DETERMINED IN FIELD. CONDUITS FOR NEW EQUIPMENT ARE TO BE RUN FROM PANEL TO ABOVE DROP CEILING, TIGHT TO STRUCTURE IF POSSIBLE.
13. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING PANEL DIRECTORIES FOR ACCURACY AND SHALL UPDATE DIRECTORIES AS NECESSARY AT COMPLETION OF THE PROJECT PER NEC 408.4. CIRCUITS INDICATED ARE BASED ON PANEL DIRECTORY OBSERVATIONS. VERIFY CIRCUITS INDICATED FOR REUSE ARE AVAILABLE.
14. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE APPLICABLE CODES IN THE ORDINANCES AND THE REGULATORY AGENCIES HAVING JURISDICTION.
15. CONTRACTORS SHALL PROVIDE ALL REQUIRED FLOORS AND SEALS FOR PIPES OR CONDUIT PENETRATING WALLS OR FLOOR SLABS WITH UL LISTED FIRE STOPPING SEALANT WHERE REQUIRED.
16. ELECTRICAL CONDUITS & BOXES SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS WHEREVER POSSIBLE.



Revision	Description	Date	Revised By