

REWORK EXISTING BRANCH FIRE PROTECTION BRANCH PIPING AND SPRINKLER HEADS IN THIS OUTLINED AREA AS REQUIRED TO ACCOMMODATE NEW WALLS AND CEILINGS. COORDINATE NEW SPRINKLER HEAD LOCATIONS WITH NEW LIGHTS, DIFFUSERS, RETURN GRILLES, ETC.

UTILIZE DRY SIDEWALL SPRINKLER FOR COVERAGE OF NEW COOLER.

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EXTEND EXISTING FIRE PROTECTION MAIN INTO THE OUTLINED NEW ADDITION AND FURNISH AND INSTALL A WET FIRE PROTECTION SYSTEM DESIGNED PER NFPA 13 FOR COVERAGE OF THE ENTIRE OUTLINED AREA.

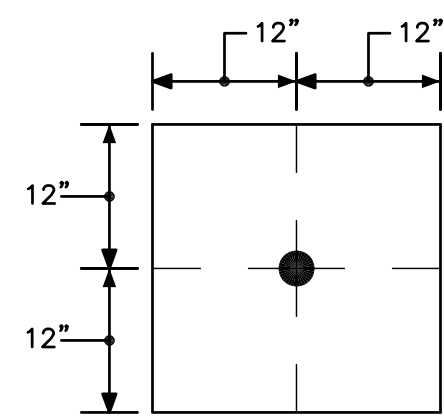
UTILIZE DRY SIDEWALL SPRINKLERS FOR COVERAGE OF WASHROOM.

EXTEND EXISTING FIRE PROTECTION MAIN INTO THE OUTLINED NEW ADDITION AND FURNISH AND INSTALL A WET FIRE PROTECTION SYSTEM DESIGNED PER NFPA 13 FOR COVERAGE OF THE ENTIRE OUTLINED AREA.

FLOOR PLAN - FIRE PROTECTION

SCALE: 3/32"=1'-0"

LOCATION OF EXISTING FIRE SERVICE ENTRY.



2x2 CEILING TILE DETAIL
SCALE: NONE

FIRE PROTECTION LEGEND

"SEMI-RECESSED" SPRINKLER HEAD WITH REMOVABLE ESCUTCHEON PLATE
UPRIGHT TYPE SPRINKLER HEAD

SIDEWALL TYPE SPRINKLER HEAD

NEW FIRE PROTECTION PIPING (WET)

DOUBLE CHECK VALVE

NEW O.S.&Y VALVE

TAMPER SWITCH

FLOW SWITCH

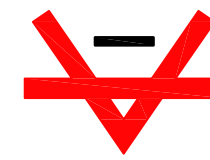
PRESSURE SWITCH

PIPING RISE UP

PIPING DOWN

FIRE PROTECTION DESIGN NOTES:

- THE ENTIRE BUILDING SHALL BE 100% COVERED WITH A WET TYPE FIRE PROTECTION SYSTEM DESIGNED IN ACCORDANCE WITH NFPA 13.
- THE SUCCESSFUL FIRE PROTECTION CONTRACTOR SHALL OBTAIN AND UTILIZE THE ARCHITECTURAL REFLECTED CEILING PLAN FOR LAYING OUT SPRINKLER HEADS.
- THE ENTIRE BUILDING SHALL HAVE WHITE "SEMI-RECESSED" TYPE SPRINKLER HEADS WITH WHITE ESCUTCHEONS UNLESS NOTED OTHERWISE. HEADS SHALL BE FED IN A RETURN-BEND ARRANGEMENT.
- UTILIZE UPRIGHT AND/OR WALL MOUNTED TYPE SPRINKLER HEADS IN AREAS WITHOUT CEILINGS.
- SPRINKLER HEADS IN HARD CEILINGS AND SOFFITS SHALL BE CONCEALED TYPE HEADS WITH WHITE COVER PLATES.
- ALL SPRINKLER HEADS SHALL BE CENTERED IN BOTH DIRECTIONS OF A 2' x 2' CEILING TILE. REFER TO CEILING GRID DETAIL.
- HVAC DUCTWORK MAINS SHALL BE INSTALLED PRIOR TO INSTALLING SPRINKLER HEADS AND PIPING. PROVIDE DRAIN VALVES IN THE FIRE PROTECTION SYSTEM WHERE NECESSARY TO COMPLETELY DRAIN THE SYSTEM.
- FIRE PROTECTION CONTRACTOR SHALL REVIEW AND GET OWNER'S APPROVAL ON ALL DRAIN DOWN LOCATIONS PRIOR TO INSTALLATION. NO DRAINS SHALL BE INSTALLED IN FINISHED AREAS.
- ANY CEILING GRID DAMAGED DURING PIPING INSTALLATION SHALL BE REPLACED AT THE EXPENSE OF THE SPRINKLER CONTRACTOR.
- SIZE ALL NEW FIRE PROTECTION PIPING IN ACCORDANCE WITH NFPA 13. PIPE SIZING SHALL BE ACCOMPLISHED USING HYDRAULIC CALCULATIONS.
- SUBMIT HYDRAULIC CALCULATIONS AND SYSTEMS DESIGN FOR REVIEW TO: THE M/E ENGINEER.
- REFER TO SPECIFICATIONS FOR DIFFERENT SPRINKLER HEAD TYPES.
- DO NOT ROUTE ANY PIPING ABOVE SWITCH GEAR OR ELECTRIC PANELS.
- THE CONTRACTOR SHALL SUBMIT THE PLANS TO ALL LOCAL AND STATE AGENCIES FOR APPROVAL PRIOR TO STARTING.
- NO EXPOSED FIRE PROTECTION PIPING SHALL BE PERMITTED IN FINISHED SPACES UNLESS OTHERWISE NOTED. ALL EXPOSED FIRE PROTECTION PIPING SHALL BE PAINTED. COORDINATE EXACT COLOR WITH ARCHITECT.
- EXPOSED FIRE PROTECTION PIPING IN MECHANICAL SPACES SHALL BE PAINTED RED.
- FIRE PROTECTION PIPING SHALL NOT BE INSTALLED WITHIN 6" OF ANY LIGHT FIXTURE.
- DO NOT ROUTE FIRE PROTECTION PIPING THROUGH UNHEATED SPACES.
- THE SPARE SPRINKLER HEADS, WRENCH AND CABINET SHALL BE LOCATED ADJACENT TO THE EXISTING FIRE SERVICE RISER.



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FLOOR PLAN - FIRE PROTECTION

Addition and Renovation to
NELSON COUNTY EARLY LEARNING CENTER
1200 Cardinal Drive
Bardstown, Kentucky 40004

BG# 15-215

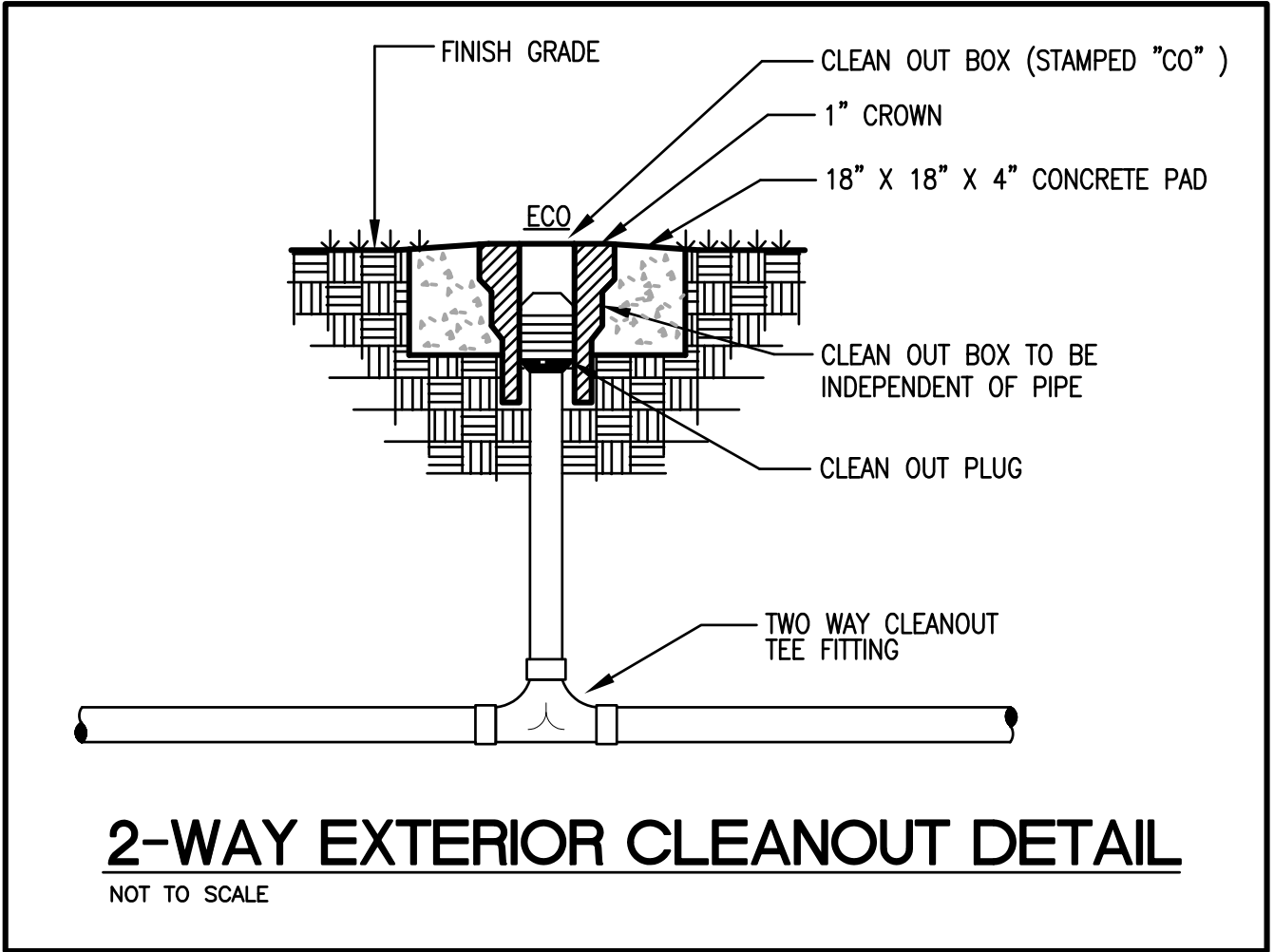
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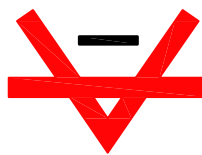
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DESIGN DEVELOPMENT

PLUMBING FIXTURE SCHEDULE					
DESIGNATOR	FIXTURE	CW	HW	SAN	VENT
P-1	WATER CLOSET - BATTERY OPERATED FLUSH VALVE - 15" HIGH	1¼"	--	4"	2"
P-1A	WATER CLOSET - BATTERY OPERATED FLUSH VALVE - 10" HIGH	1¼"	--	4"	2"
P-2	LAVATORY - WALL HUNG - BATTERY OPERATED FAUCET	½"	½"	1½"	1½"
P-2A	LAVATORY - WALL HUNG - BATTERY OPERATED FAUCET - CHILD HEIGHT	½"	½"	1½"	1½"
P-2B	3 STATION WASHFOUNTAIN - BATTERY OPERATED	½"	½"	1½"	1½"
P-3	CLASSROOM SINK W/ BUBBLE AND GOOSENECK SPOUT	½"	½"	1½"	1½"
HB	HOSE BIBB	½"	--	--	--
FPWH	FREEZE-PROOF WALL HYDRANT	¾"	--	--	--
FD-1	TOILET ROOM FLOOR DRAIN	--	--	3"	1½"
FD-2	MECHANICAL ROOM FLOOR DRAIN	--	--	4"	2"
NOTES:					
● PIPE SIZES ARE AS INDICATED UNLESS OTHERWISE NOTED ON FLOOR PLANS AND RISER DIAGRAMS.					
● MINIMUM 2" SANITARY PIPING UNDERGROUND. PROVIDE ALL REQUIRED PIPING TO FIXTURES INDICATED ON THE FLOOR PLANS, INDICATED WITH A "P" DESIGNATION. PROVIDE PIPING OF SIZE INDICATED IN THIS SCHEDULE.					
● PIPE ALL EQUIPMENT (SUPPLIED BY OTHERS) AS REQUIRED TO OBTAIN A FULL AND OPERATIONAL SYSTEM. PROVIDE BACKFLOW PROTECTION AS/IF REQUIRED BY THE DETAILS AND BY THE KENTUCKY PLUMBING CODE. ALL EQUIPMENT SHALL BE CONNECTED PER THE MANUFACTURER'S REQUIREMENTS. THE PLUMBING CONTRACTOR SHALL ALSO INSTALL ANY DRAIN PIPING CONNECTIONS AND SPILL INDIRECTLY TO EITHER AN OPEN RECEPTACLE OR FLOOR DRAIN. REFER TO ARCHITECTURAL PLANS FOR EXACT PLACEMENT OF ALL EQUIPMENT.					




PLUMBING LEGEND	
ABOVE FINISHED FLOOR	AFF
CAST IRON	CI
CLEANOUT	CO
COLD WATER	CW
DOMESTIC WATER CIRCULATING PUMP	DP
ELECTRICAL CONTRACTOR	EC
EXPANSION TANK	ET
EXTERIOR CLEANOUT	ECO
FLOOR DRAIN	FD
FREEZE PROOF WALL HYDRANT	FPWH
GENERAL CONTRACTOR	GC
HOSE BIBB	HB
HOT WATER	HW
MECHANICAL CONTRACTOR	MC
NOT TO SCALE	NTS
OPEN RECEPTACLE	OR
PLUMBING CONTRACTOR	PC
POLYVINYL CHLORIDE	PVC
ROOF DRAIN	RD
TYPICAL	TYP
VENT THROUGH ROOF	VTR
WATER HAMMER ARRESTOR	WHA
WATER HEATER	WH
EXISTING SANITARY PIPING	—E(SAN)—
EXISTING SANITARY VENT PIPING	--E(V)--
EXISTING DOMESTIC COLD WATER PIPING	—E(CW)—
EXISTING DOMESTIC HOT WATER PIPING	—E(HW)—
EXISTING DOMESTIC HOT WATER RETURN PIPING	—E(HWR)—
EXISTING NATURAL GAS PIPING	—E(GAS)—
DEMO SANITARY PIPING	---E(SAN)---
DEMO SANITARY VENT PIPING	---E(V)---
DEMO DOMESTIC COLD WATER PIPING	---E(CW)---
DEMO DOMESTIC HOT WATER PIPING	---E(HW)---
DEMO DOMESTIC HOT WATER RETURN PIPING	---E(HWR)---
DEMO NATURAL GAS PIPING	---E(GAS)---
SANITARY PIPING	—SAN—
STORM PIPING	—SS—
OVERFLOW STORM PIPING	—OSS—
SANITARY VENT PIPING	---V---
DOMESTIC COLD WATER PIPING	— --
DOMESTIC HOT WATER PIPING	— --
DOMESTIC HOT WATER RETURN PIPING	— --
NATURAL GAS PIPING	—G—
GAS SHUT-OFF VALVE	—H—
CHECK VALVE	—Z—
DOUBLE CHECK VALVE ASSEMBLY	—ZZ—
BALL VALVE	—O—
BALL VALVE IN RISER	—O—
PIPING ELBOW (TURNED UP/DOWN)	—O—
PIPING TEE (TURNED UP/DOWN)	—O—
POINT OF DEMOLITION	◆
POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK	◆



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PLUMBING LEGEND AND DETAILS

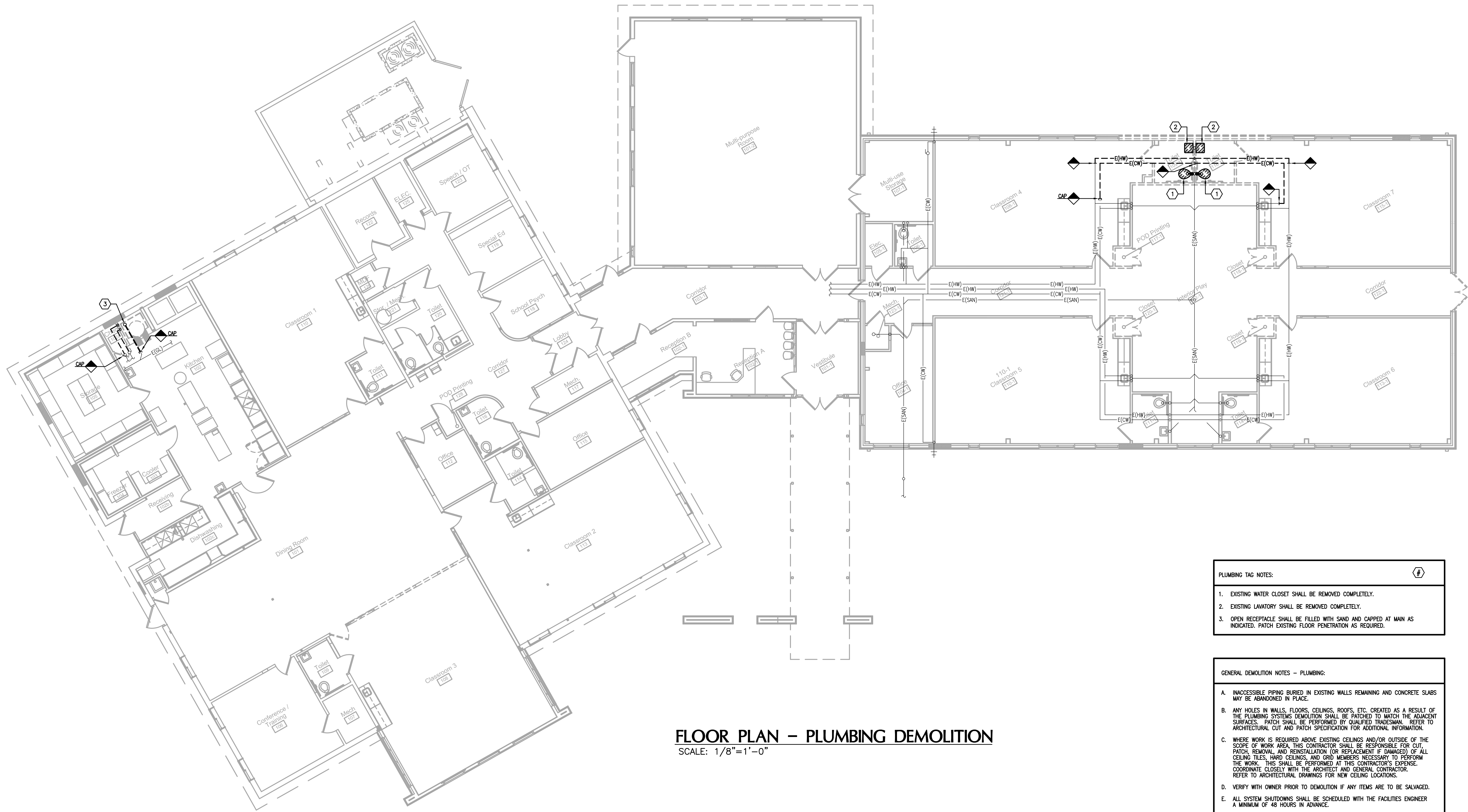
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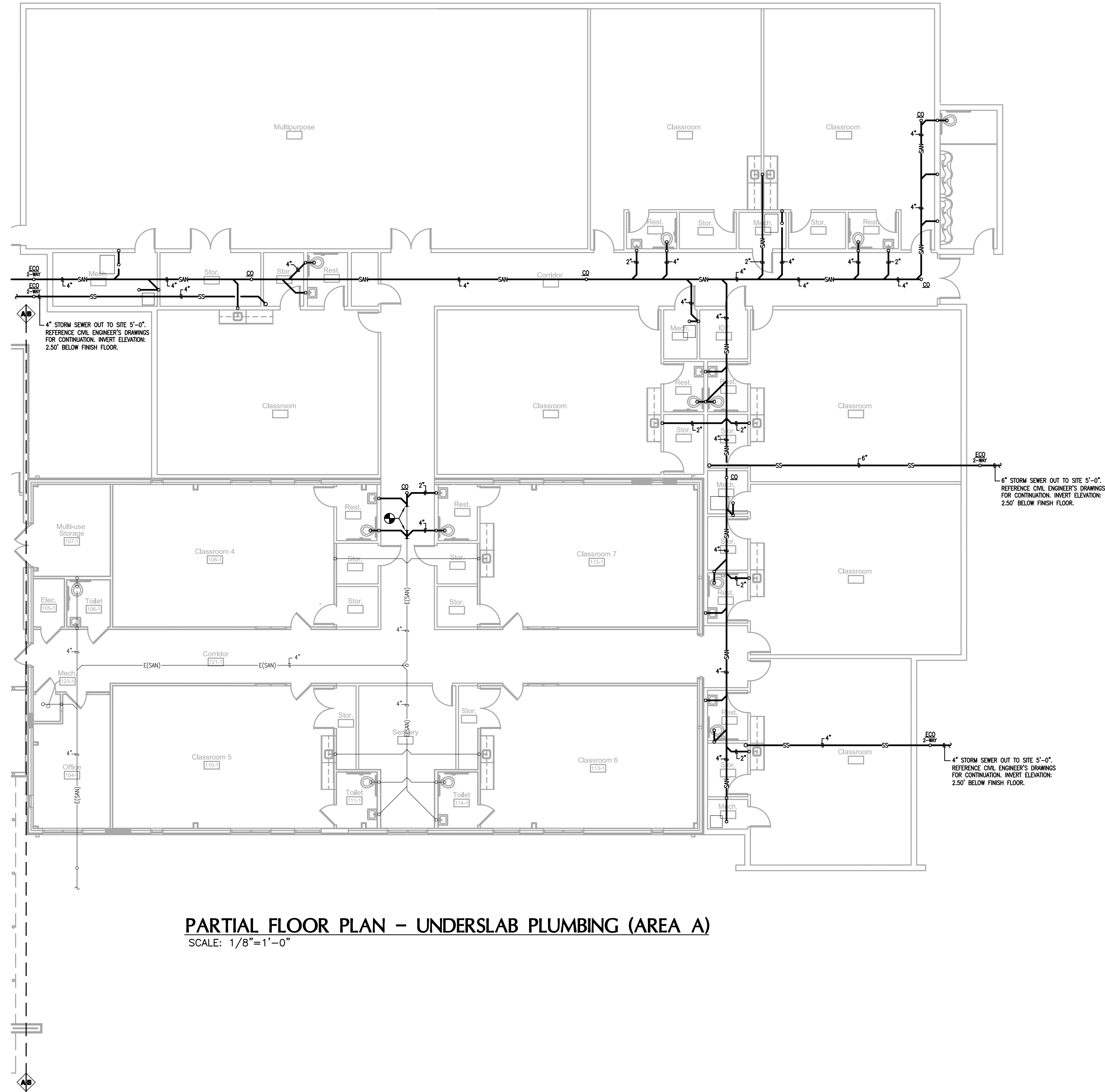
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FLOOR PLAN – PLUMBING DEMOLITION
SCALE: 1/8"=1'-0"

- PLUMBING TAG NOTES:
- 1. EXISTING WATER CLOSET SHALL BE REMOVED COMPLETELY.
 - 2. EXISTING LAVATORY SHALL BE REMOVED COMPLETELY.
 - 3. OPEN RECEPTACLE SHALL BE FILLED WITH SAND AND CAPPED AT MAIN AS INDICATED. PATCH EXISTING FLOOR PENETRATION AS REQUIRED.

- GENERAL DEMOLITION NOTES – PLUMBING:
- A. INACCESSIBLE PIPING BURIED IN EXISTING WALLS REMAINING AND CONCRETE SLABS MAY BE ABANDONED IN PLACE.
 - B. ANY HOLES IN WALLS, FLOORS, CEILINGS, ROOFS, ETC. CREATED AS A RESULT OF THE PLUMBING SYSTEMS DEMOLITION SHALL BE PATCHED TO MATCH THE ADJACENT SURFACES. PATCH SHALL BE PERFORMED BY QUALIFIED TRADESMAN. REFER TO ARCHITECTURAL CUT AND PATCH SPECIFICATION FOR ADDITIONAL INFORMATION.
 - C. WHERE WORK IS REQUIRED ABOVE EXISTING CEILINGS AND/OR OUTSIDE OF THE SCOPE OF WORK AREA, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR CUT, PATCH, REMOVAL, AND REINSTALLATION (OR REPLACEMENT IF DAMAGED) OF ALL CEILING TILES, HARD CEILINGS, AND GRID MEMBERS NECESSARY TO PERFORM THE WORK. THIS SHALL BE PERFORMED AT THIS CONTRACTOR'S EXPENSE. COORDINATE CLOSELY WITH THE ARCHITECT AND GENERAL CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS FOR NEW CEILING LOCATIONS.
 - D. VERIFY WITH OWNER PRIOR TO DEMOLITION IF ANY ITEMS ARE TO BE SALVAGED.
 - E. ALL SYSTEM SHUTDOWNS SHALL BE SCHEDULED WITH THE FACILITIES ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE.
 - F. THE PLUMBING CONTRACTOR SHALL CLEAN UP CONSTRUCTION DEBRIS DURING AND AFTER PLUMBING DEMOLITION.
 - G. THE PLUMBING CONTRACTOR SHALL DISPOSE OF DEMOLISHED PLUMBING FIXTURES AND COORDINATE WITH THE GENERAL CONTRACTOR.
 - H. PRIOR TO STARTING THE DEMOLITION WORK, THE PLUMBING CONTRACTOR SHALL VERIFY WITH THE ELECTRICAL CONTRACTOR THAT POWER FEEDS AND CONTROL WIRING HAVE BEEN DISCONNECTED AND LOCKED OUT FROM PLUMBING EQUIPMENT WHICH IS TO BE REMOVED.
 - I. THE PLUMBING CONTRACTOR SHALL REPAIR OR REPLACE ANY DUCT OR PIPING INSULATION DAMAGED DURING DEMOLITION WORK.
 - J. THE PLUMBING CONTRACTOR SHALL AVOID DAMAGING EXISTING DOMESTIC AND SANITARY PLUMBING, HVAC SYSTEMS, ELECTRICAL SYSTEMS, ETC. IF ANY OF THESE SERVICES ARE DAMAGED, THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND/OR REPLACEMENT OF DAMAGED PLUMBING LINES, DUCTWORK, CONDUITS, BUILDING MATERIALS, ETC., AND CLEAN-UP OF AREA AFFECTED BY DAMAGED SYSTEM AT THE EXPENSE OF THE PLUMBING CONTRACTOR.
 - K. ANY WORK REQUIRED OUTSIDE OF THE PROJECT'S LIMITS SHALL BE PERFORMED AT NIGHT OR ON THE WEEKEND AND SCHEDULED THROUGH THE FACILITY ENGINEER.



PARTIAL FLOOR PLAN – UNDERSLAB PLUMBING (AREA A)
SCALE: 1/8"=1'-0"

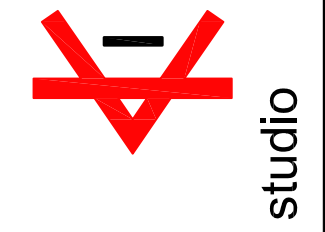
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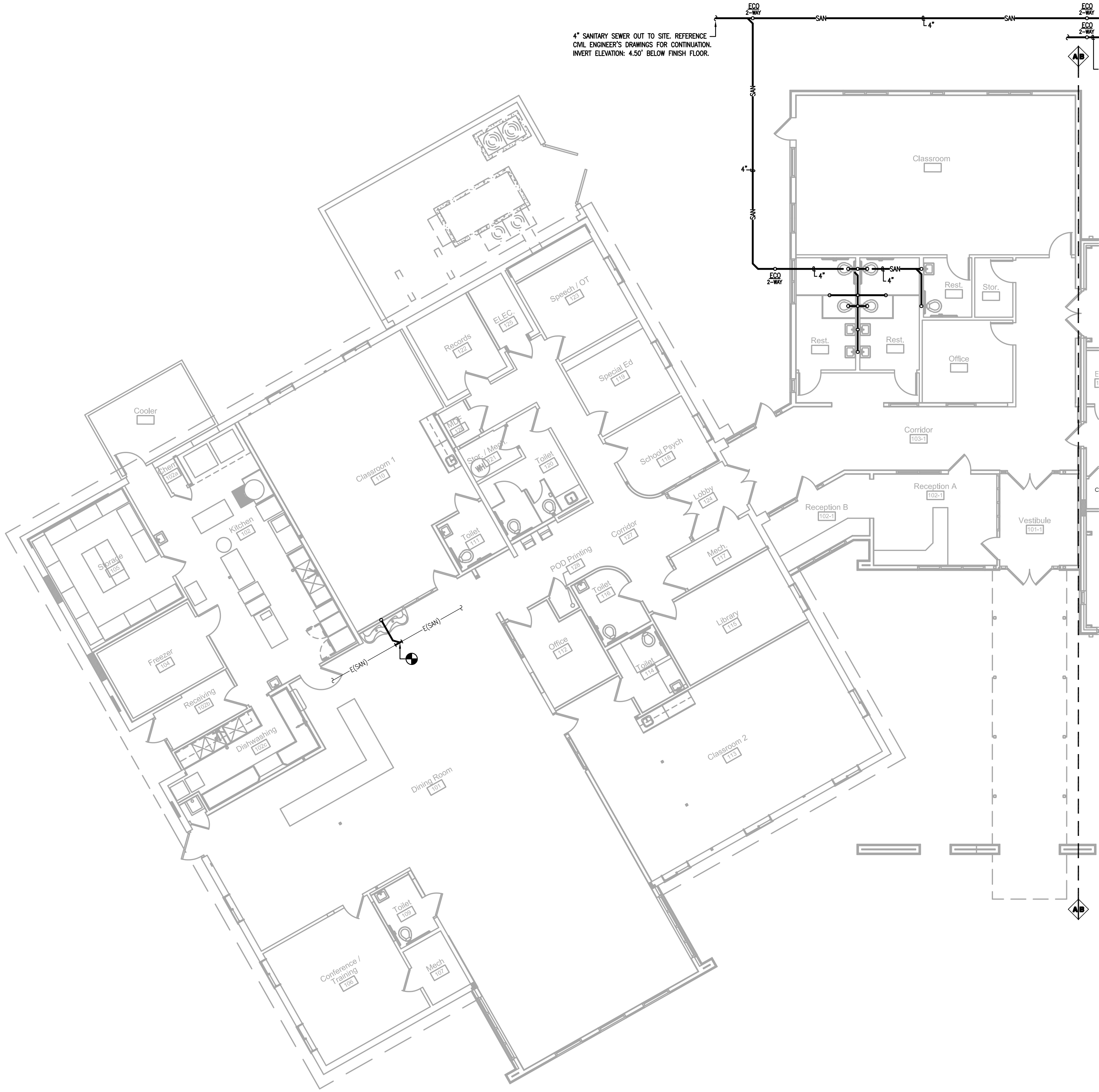
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PARTIAL FLOOR PLAN – UNDERSLAB PLUMBING (AREA B)
SCALE: 1/8"=1'-0"

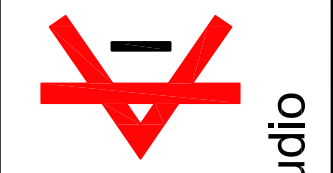
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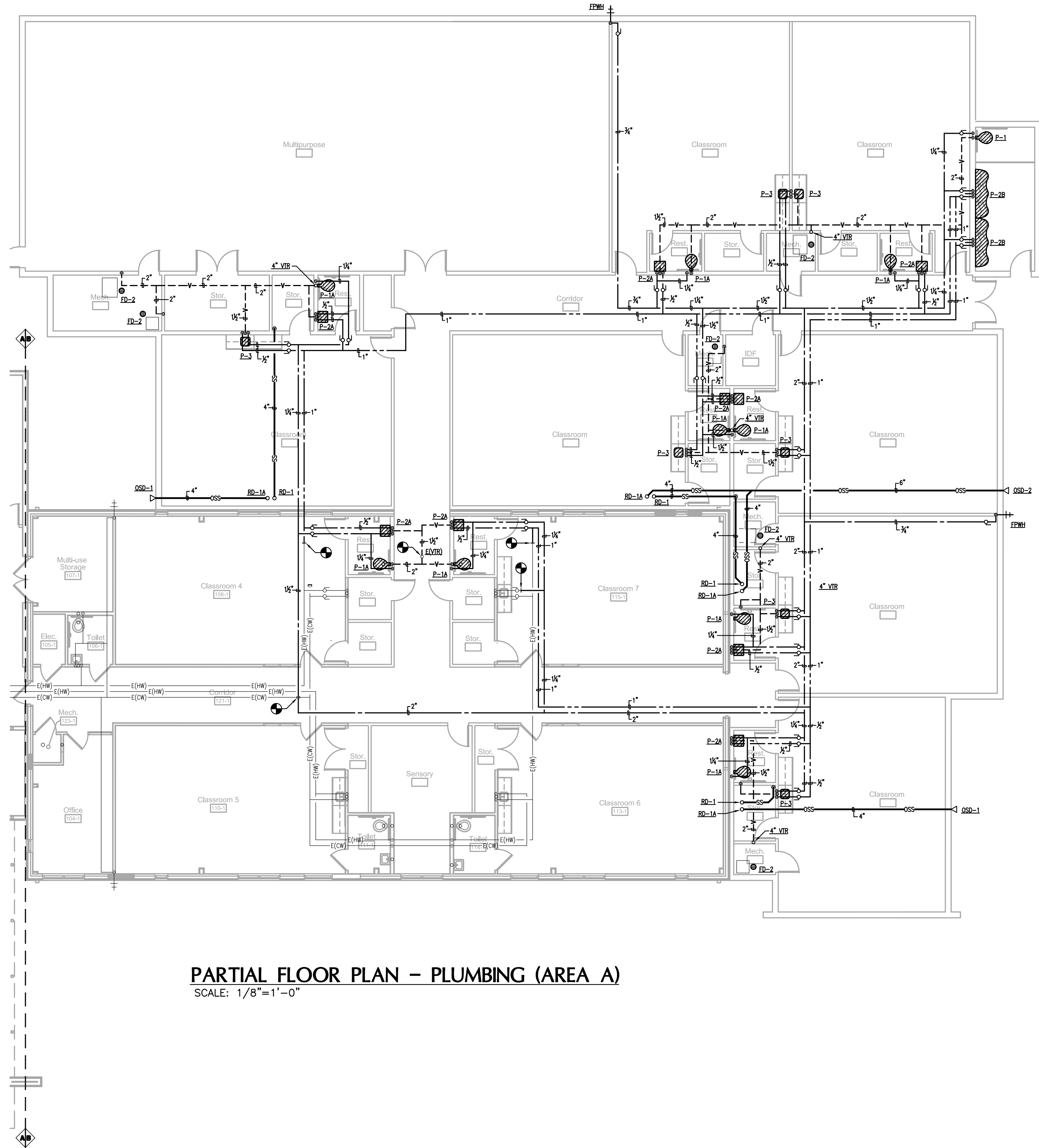
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PARTIAL FLOOR PLAN – PLUMBING (AREA A)
SCALE: 1/8"=1'-0"

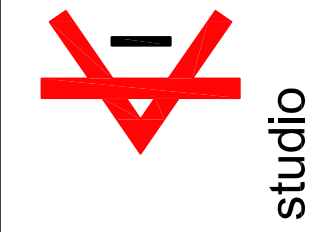
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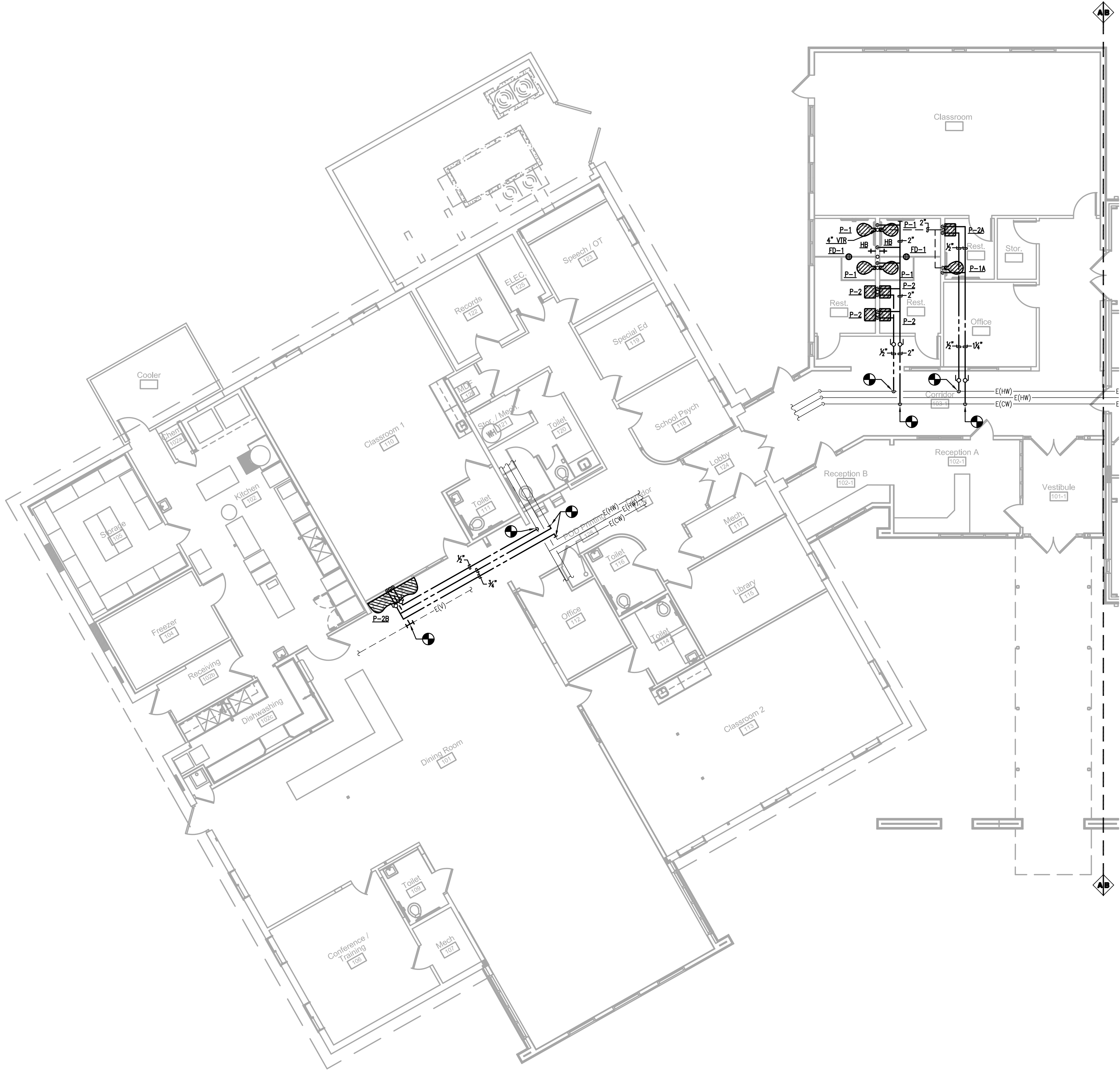
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PARTIAL FLOOR PLAN – PLUMBING (AREA B)
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