

Addendum No. 2
April 21, 2026

Project: **SOUTHEAST TECHNICAL COLLEGE HOUSE CONSTRUCTION LAB**
Sioux Falls, South Dakota
Architecture Incorporated Project No. 3155

Architect: Architecture Incorporated

Letting: **Tuesday, April 28, 2026**
11:00 AM
The Hub at Southeast Technical College
Administrative Conference Room #230
2001 N. Career Avenue
Sioux Falls, SD 57107

Scope of this Addendum:

To all bidders and all others to whom drawings and specifications have been issued by Architecture Incorporated, this Addendum forms a part of the Contract Documents. Acknowledge receipt of this addendum by listing its number and date in the bidder's Form of Proposal. Failure to do so may subject bidder to disqualification. This addendum modifies the drawings and specifications as follows:

GENERAL ITEMS:

1) SECTION 083416 – BI-PARTING HANGAR DOORS

a) Change Article 2.5.B. to read as follows:

B. Formed Metal Wall Panels: Sheet metal skins applied to the interior and exterior faces of bi-parting hangar doors shall be furnished and installed by Section 074213

2) SECTION 230900 – AUTOMATIC TEMPERATURE CONTROL/BUILDING AUTOMATION SYSTEM

a) Add following to Section 230900 – 1.22 – Sequence of Operation:

i) Domestic Water Shutoff Valve:

Provide a water detector at the floor sink of the domestic water reduced pressure backflow preventor (RPZ) and a potable water shut off valve between the city water meter and RPZ. Upon detection of water, the BAS shall close the water shut off valve and send an alarm to the operator's workstation. Provide an actuator rated for the city water pressure and that closes in 15 to 20 seconds to avoid water hammer.

3) SECTION 323113 – CHAIN-LINK FENCES AND GATES

a) Remove Section 323113 – CHAIN-LINK FENCES AND GATES. There are no new chain-link fences or gates included in the scope of this Project.

4) SECTION 333000 – SANITARY SEWAGE UTILITIES

- a) The following revision shall be made to force main pipe:
 - i) Force main pipe shall be 3” diameter PE 4710 HDPE IPS DR 7 (Ave ID 2.44).

5) SHEET 2.21 – SITE DEMOLITON

- a) Add the following note regarding demolition of landscape items inside the existing fence area: ***The Owner will remove any loose landscaping materials inside the fence enclosure including landscape rocks and pavers before excavation begins.***

6) SHEET 2.22 – ENLARGED SITE PLAN

- a) Add the following note regarding relocating the existing large segmented concrete block walls: ***At new locations, remove any existing black dirt, excavate and provide a minimum of 12” compacted engineered fill under a 6” minimum thickness of crushed rock leveling pad under relocated blocks.***

7) SHEET 2.30 – CIVIL SITE PLANS

- a) Omit any notes on civil site drawings referring to fences or gates. The existing fences and gates are to be removed as per site demolition Sheet 2.21.

8) SHEET 2.31 – SITE UTILITY PLAN

- a) Replace site utility plan (Sheet 2.31) with *revised* Sheet 2.31, *revision* dated 04/20/2026, attached to the end of this addendum. A new fire hydrant is required. The water service connection to the existing 12” water main is upsized to a 12” x 8” Smith Tap. An 8-inch diameter water main shall be installed to Node W6 and then reduced to 6-inch diameter water main for the remainder of the installation to the proposed building. A fire hydrant assembly with 6-inch gate valve is added at Node W5 as indicated on Sheet 2.31.

9) SHEET 2.39 – SITE DETAILS

- a) Reference Typical Gravity Wall Cross Section Detail: Add the following: Provide a minimum of 12” compacted engineered fill under the concrete or crushed rock leveling pad. Additional depth if required by segmented block retaining wall design by manufacturer.

10) SHEET 4.40 – PLAN DETAILS

- a) CLARIFICATION: Detail 6/4.40 – The outside “Insulated Precast Concrete Panel” keynote shall be changed to “Prefinished Metal Wall Panel”; stud framing will be attached to the insulated precast wall and formed metal wall panels will be installed over the stud framing. Reference exterior elevations for the locations where this occurs.

11) SHEET 5.10 – EXTERIOR ELEVATIONS – BASE BID

- a) CLARIFICATION: B/5.10 - West Elevation - The four (4) ‘Type 1’ windows noted on the west exterior elevation shall be aluminum windows in the Base Bid and the same four windows shall be hollow metal borrowed lites in Add Alternate #1; see borrowed lite schedule on Sheet 4.30 for size.

MECHANICAL ITEMS:

1) SHEET 8.10 – LEGEND & DETAILS

- a) Submersible Sump Pump Detail: Modify detail to add future 4” gravity waste pipe. Provide a 4” waste pipe stubbed into the sump basin and cap. Extend 4” gravity waste line through foundation wall and provide a grade cleanout as shown per *revised* mechanical drawing Sheet 8.10, *revision* dated 4-21-2026; see *revised* mechanical drawing attached to the end of this addendum.

2) SHEET 8.20 – UNDERFLOOR PLAN – PLUMBING- BASE BID

- a) Provide a 4” waste pipe stubbed into the sump basin and cap. Extend 4” gravity waste line through foundation wall and provide a grade cleanout as shown per *revised* mechanical drawing Sheet 8.20, *revision* dated 4-21-2026; see *revised* mechanical drawing attached to the end of this addendum.

3) SHEET 8.20A – UNDERFLOOR PLAN – PLUMBING - ADD ALTERNATE

- a) Provide a 4” waste pipe stubbed into the sump basin and cap. Extend 4” gravity waste line through foundation wall and provide a grade cleanout as shown per *revised* mechanical drawing Sheet 8.20A, *revision* dated 4-21-2026; see *revised* mechanical drawing attached to the end of this addendum.

4) SHEET 8.21 – FIRST FLOOR PLAN – PLUMBING & HEATING – BASE BID

- a) Modify note 17 as follows: ***2" WATER METER WITH REDUCED PRESSURE BACKFLOW PREVENTER MTD BELOW FIRE PROTECTION VALVING. SEE WATER METER PIPING DETAIL. INSTALL A SHUTOFF VALVE PROVIDED BY THE BAS CONTRACTOR BETWEEN THE WATER METER AND RPZ.***

5) SHEET 8.21A – FIRST FLOOR PLAN – PLUMBING & HEATING – ADD ALTERNATE

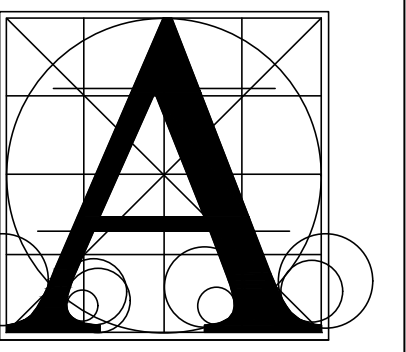
- a) Modify note 38 to read as follows: ***39 GALLON VERTICAL HEATING WATER EXPANSION TANK. SEE EXPANSION TANK DETAIL.***
- b) Modify note 17 as follows: ***2" WATER METER WITH REDUCED PRESSURE BACKFLOW PREVENTER MTD BELOW FIRE PROTECTION VALVING. SEE WATER METER PIPING DETAIL. INSTALL A SHUTOFF VALVE PROVIDED BY THE BAS CONTRACTOR BETWEEN THE WATER METER AND RPZ.***

GENERAL APPROVALS:

The following material or equipment furnished by the manufacturers listed, may be substituted as equivalent providing that each item, material, and piece of equipment conforms to the design and requirement of the specifications.

<u>SECTION</u>	<u>ITEM</u>	<u>MANUFACTURER</u>
220600-1.08	In-Line Circulating Pumps	Grundfos
220600-1.09	Expansion Tank	Grundfos
220600-1.10	Air Separators	Grundfos
220600-1.12	Separated Combustion Boilers	Camus
220600-1.13	Gas Vent Systems	Z-Vent, Duravent
220600-1.19	Automatic Flow Control Valves	HCI
230800-1.15	HVLS Overhead Fan	Schwank Monsterfans

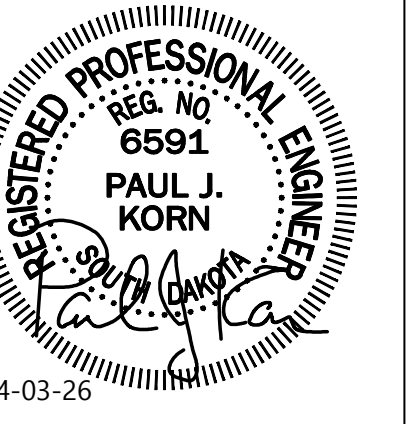
END OF ADDENDUM No. 2



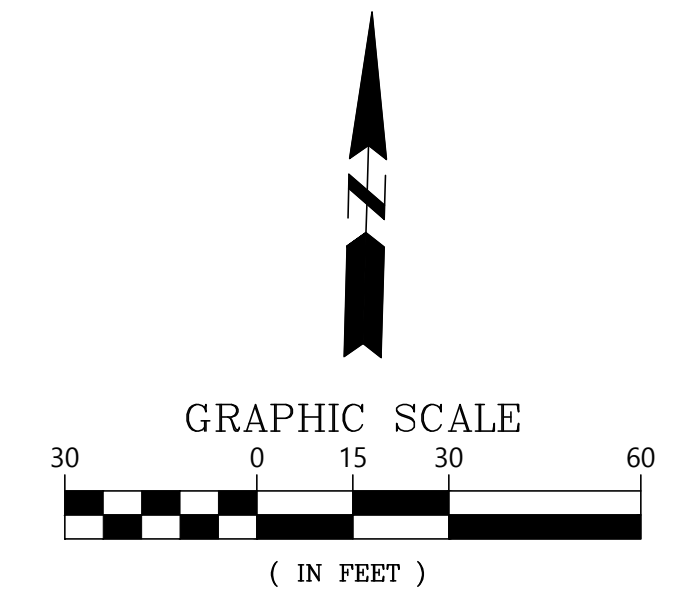
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Sayre Associates
Professional Engineers & Surveyors



LEGEND

	FIRE HYDRANT
	EXISTING WATER SHUTOFF
	EXISTING WATER VALVE
	EXISTING WATER LINE
	EXISTING MANHOLE
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING STORM INLET
	PROPOSED WATER VALVE
	PROPOSED WATER LINE
	PROPOSED HYDRANT
	PROPOSED SANITARY SEWER
	PROPOSED CLEANOUT
	PROPOSED MANHOLE
	PROPOSED STORM SEWER

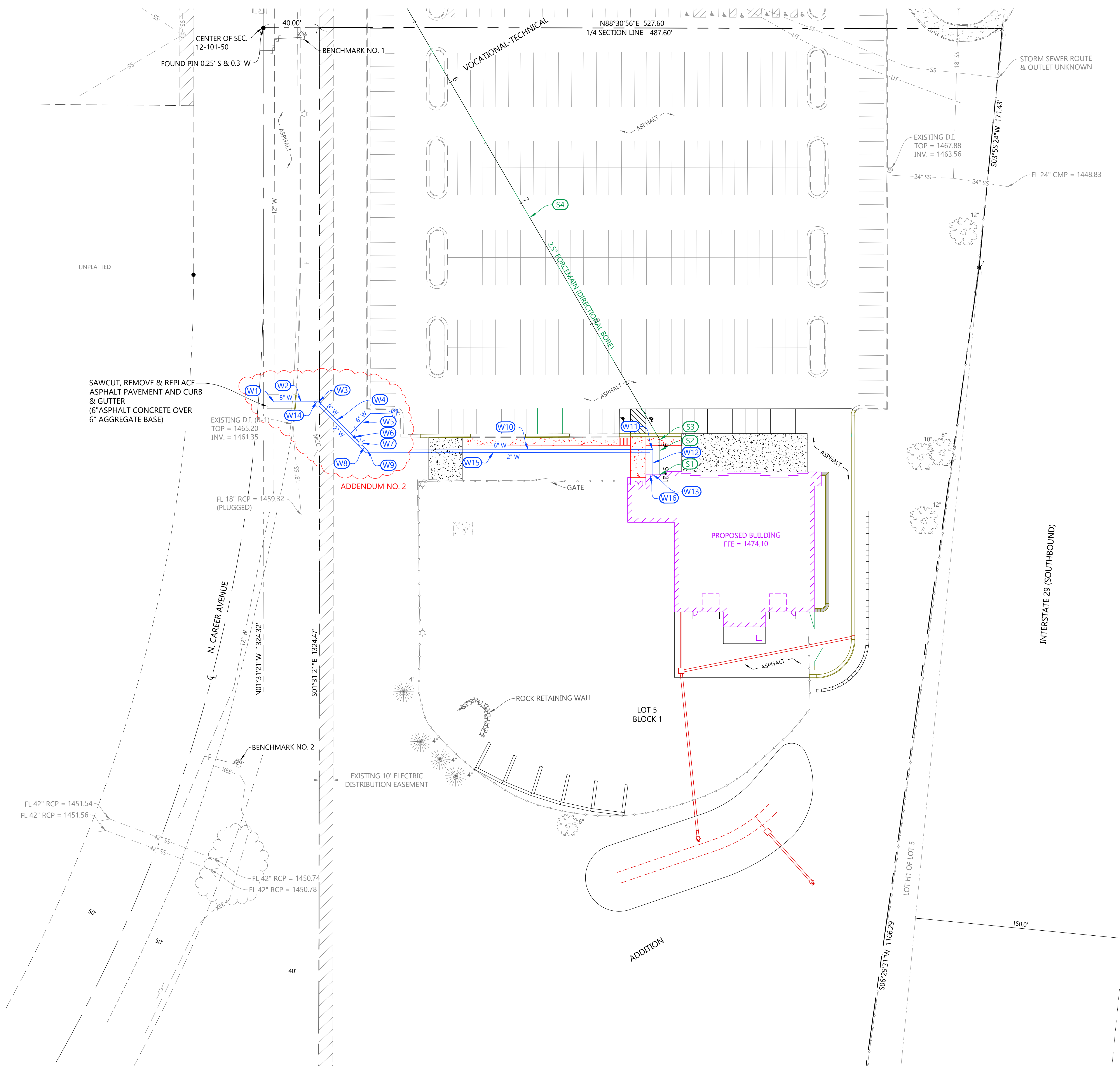
WATER MAIN INSTALLATION NOTES:

- W1** INSTALL 12" X 8" SMITH TAP
W/8" MJ GATE VALVE & BOX
- W2** INSTALL 8" X 32' WATER MAIN
- W3** INSTALL 8" MJ BEND (45 DEG)
W/2 - 8" RESTRAINING DEVICES
- W4** INSTALL 8" X 32' WATER MAIN
- W5** INSTALL HYDRANT ASSEMBLY:
1 - 8" x 6" MJ TEE
W/2 - 8" RESTRAINING DEVICES
W/1 - 6" RESTRAINING DEVICE
1 - 6" MJ GATE VALVE & BOX
W/2 - 6" RESTRAINING DEVICES
1 - 6" MJ BEND (45 DEG)
W/2 - 6" RESTRAINING DEVICES
6" x 37' WATER MAIN
1 - HYDRANT
T/C ELEV. = 1476.47
- W6** INSTALL 8" x 6" MJ REDUCER
W/1 - 8" RESTRAINING DEVICE
W/1 - 6" RESTRAINING DEVICE
- W7** INSTALL POST INDICATOR VALVE
W/2 - 6" RESTRAINING DEVICES
- W8** INSTALL 6" x 16" WATER MAIN
- W9** INSTALL 6" MJ BEND (45 DEG)
W/2 - 6" RESTRAINING DEVICES
- W10** INSTALL 6" X 204' WATER MAIN
- W11** INSTALL 6" MJ BEND (90 DEG)
W/2 - 6" RESTRAINING DEVICES
- W12** INSTALL 6" X 15' WATER MAIN
- W13** TERMINATE 6" WATER MAIN WITH BLIND
FLANGE 18" ABOVE FINISHED FLOOR
- W14** INSTALL 2" WATER SERVICE TAP
- W15** INSTALL THE FOLLOWING:
270 LF 2" WATER SERVICE
1 - 2" WATER SHUT OFF
1 - 2" BEND (90 DEG)
2 - 2" BEND (45 DEG)
- W16** TERMINATE 2" WATER SERVICE 18" ABOVE
FINISHED FLOOR

ADDENDUM NO. 2

SANITARY SEWER INSTALLATION NOTES:

- S1** CONNECT TO EXISTING 2.5" FORCE MAIN SANITARY SEWER AT FOUNDATION WALL
(VERIFY LOCATION AND ELEVATION WITH MEP PLAN)
- S2** INSTALL 2.5" X 25' SANITARY SEWER FORCE MAIN
(DIRECT BURY)
- S3** INSTALL 2.5" BEND (22.5 DEG)
96" DEPTH)
- S4** INSTALL 2.5" X 394' SANITARY SEWER FORCE MAIN
(DIRECTIONAL BORE)
- S5** INSTALL 2.5" BEND (22.5 DEG)
(6' DEPTH)
- S6** INSTALL 2.5" X 394' SANITARY SEWER FORCE MAIN
(DIRECTIONAL BORE)
- S7** INSTALL 2.5" BEND (90 DEG)
(6' DEPTH)
- S8** INSTALL 2.5" X 78' SANITARY SEWER FORCE MAIN
(DIRECT BURY)
- S9** INSTALL 2.5" BEND (45 DEG)
(6' DEPTH)
- S10** INSTALL 2.5" X 28' SANITARY SEWER FORCE MAIN
(DIRECT BURY)
- S11** CORE DRILL & CONNECT TO EXISTING MH
ELEV = 1474.50
(INSTALL NON-SHRINK GROUT AROUND PIPE
TO ACHIEVE WATER-TIGHT CONNECTION)



- UTILITY NOTES:**
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING PUBLIC AND PRIVATE UTILITIES PRIOR TO CONSTRUCTION.
 - ALL PROPOSED SANITARY SEWER AND WATER MAIN SHALL BE PRIVATELY OWNED AND MAINTAINED.

ADDENDUM NO. 2 - ADDED FIRE HYDRANT
LENGTHENED 2" SERVICE LINE

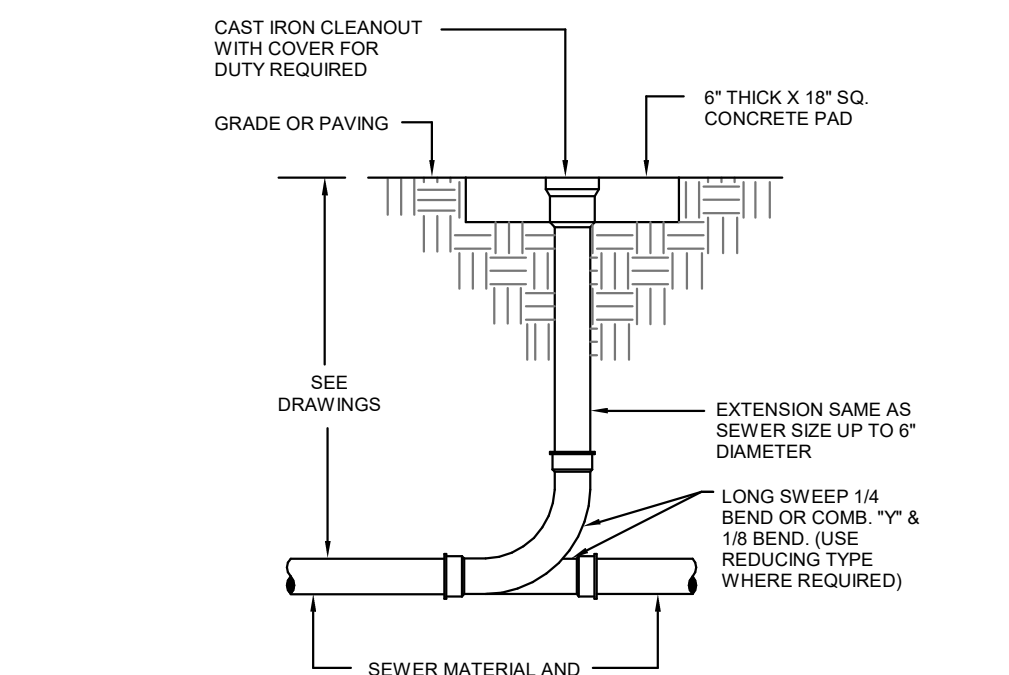
BENCHMARK NO. 1: TOP NUT OF FIRE HYDRANT NW COR. OF LOT 5, BLOCK 1, E. SIDE OF CAREER AVE. ELEV. = 1480.18 (88 DATUM)	BENCHMARK NO. 2: TOP NUT OF FIRE HYDRANT 525' ± S. OF BENCHMARK NO. 1, E. SIDE OF CAREER AVE. ELEV. = 1457.82 (88 DATUM)	BENCHMARK NO. 3: TOP NUT OF FIRE HYDRANT NE CORNER OF PARKING LOT, N SIDE OF DRIVE ELEV. = 1469.82 (88 DATUM)
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BENCHMARK NOTE:
THE ELEVATION BASIS OF THIS SURVEY IS BASED ON GPS OBSERVATION OF THE TRIMBLE VIRTUAL REFERENCE STATION (VRS) SYSTEM AND IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

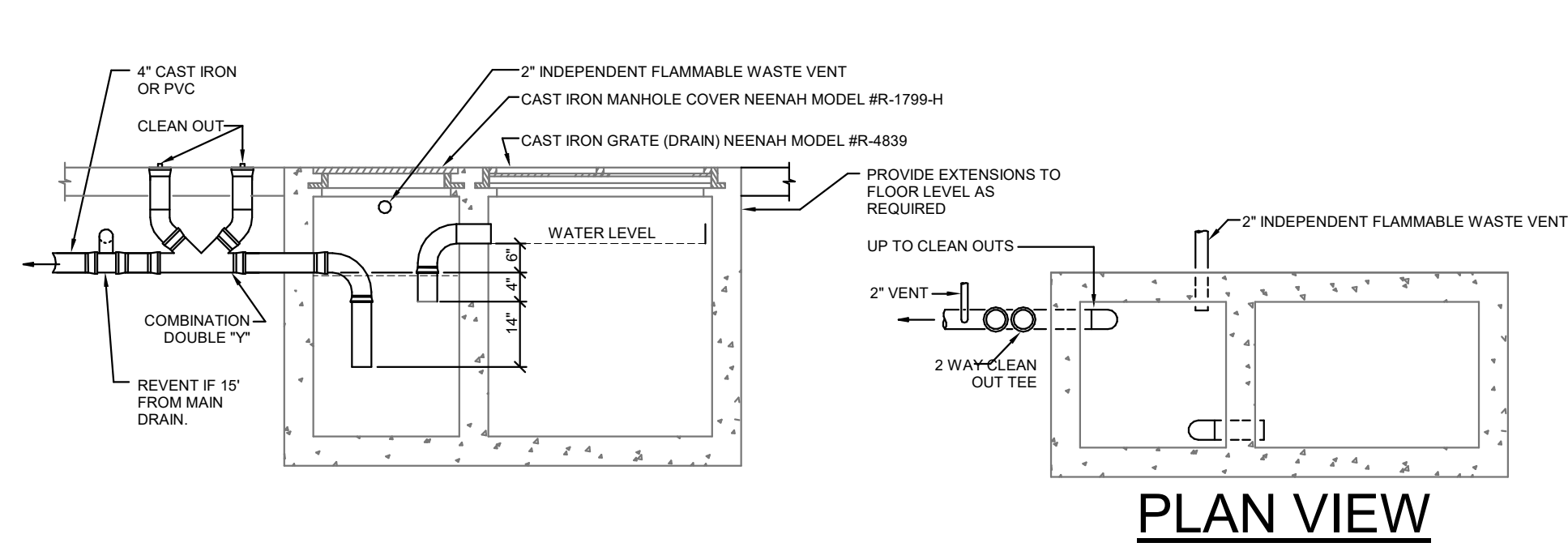
SOUTHEAST TECHNICAL COLLEGE HOUSE
CONSTRUCTION LAB
UTILITY PLAN

number	1219.3155.25
date	MARCH 30, 2026
revision	
drawn	BJB
checked	PJK

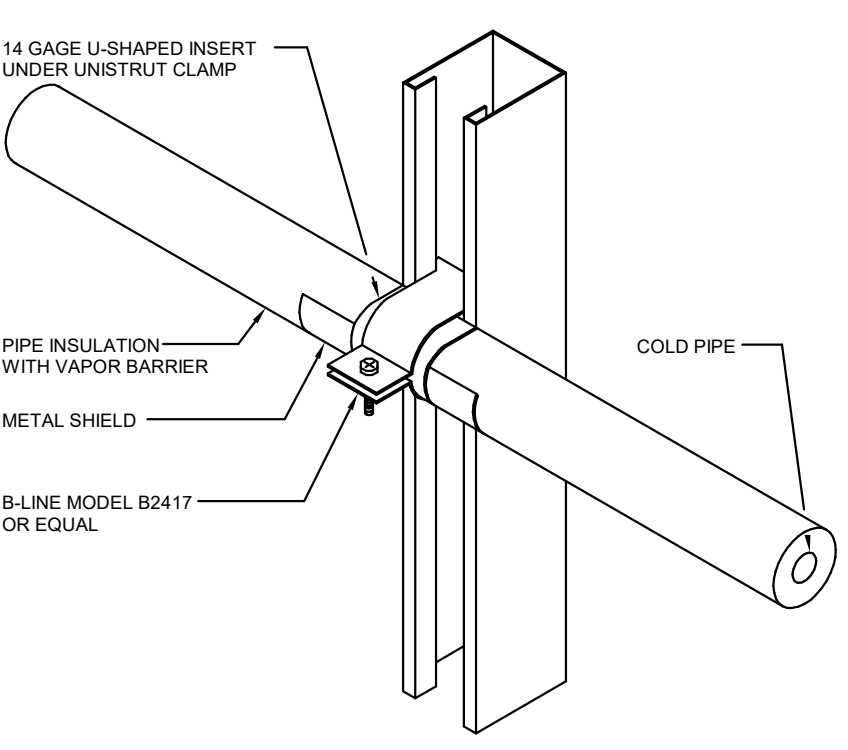
DATE	DESCRIPTION
04/20/2026	ADD. NO. 2



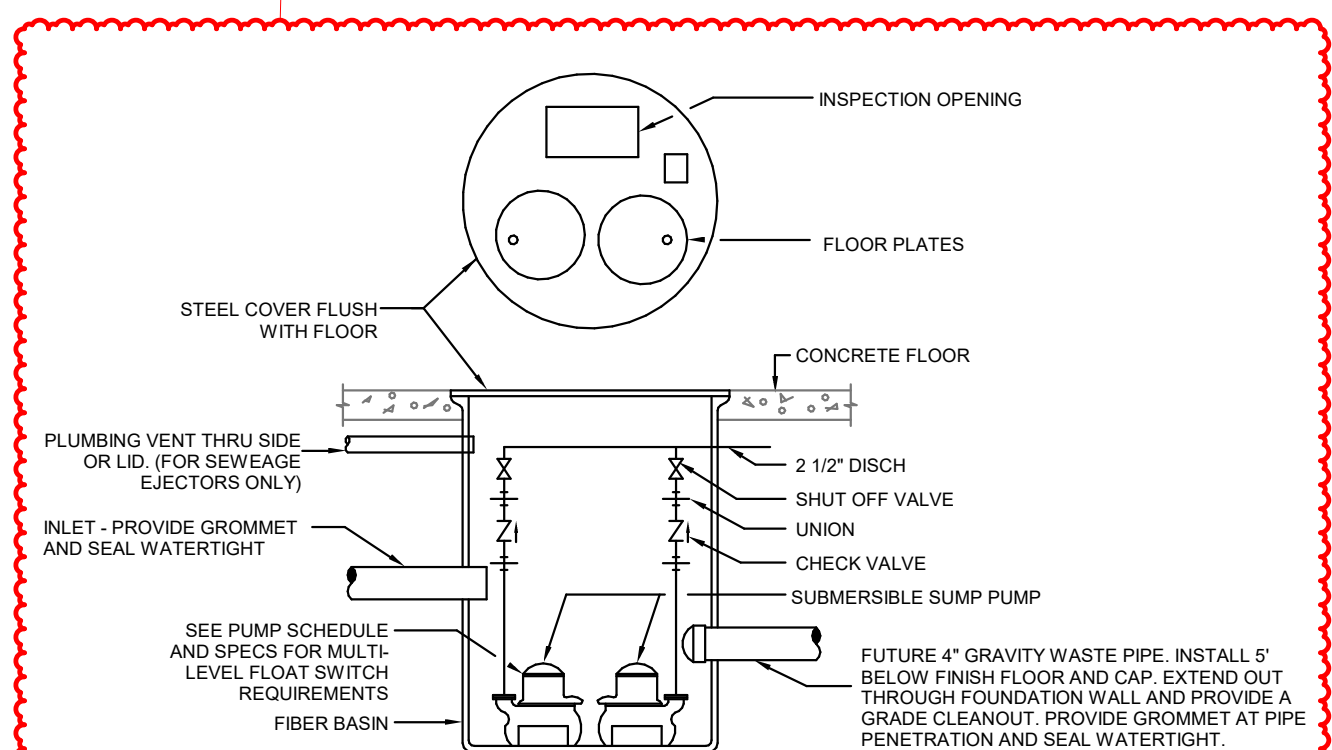
EXTERIOR CLEANOUT DETAIL
NO SCALE



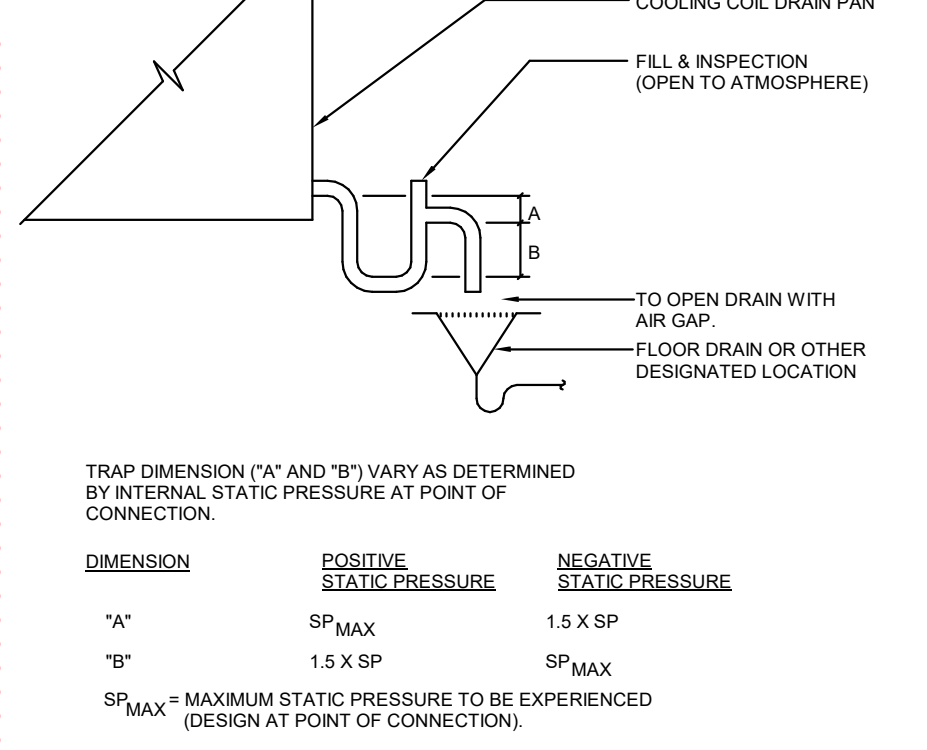
DOUBLE CATCH BASIN DETAIL
NO SCALE



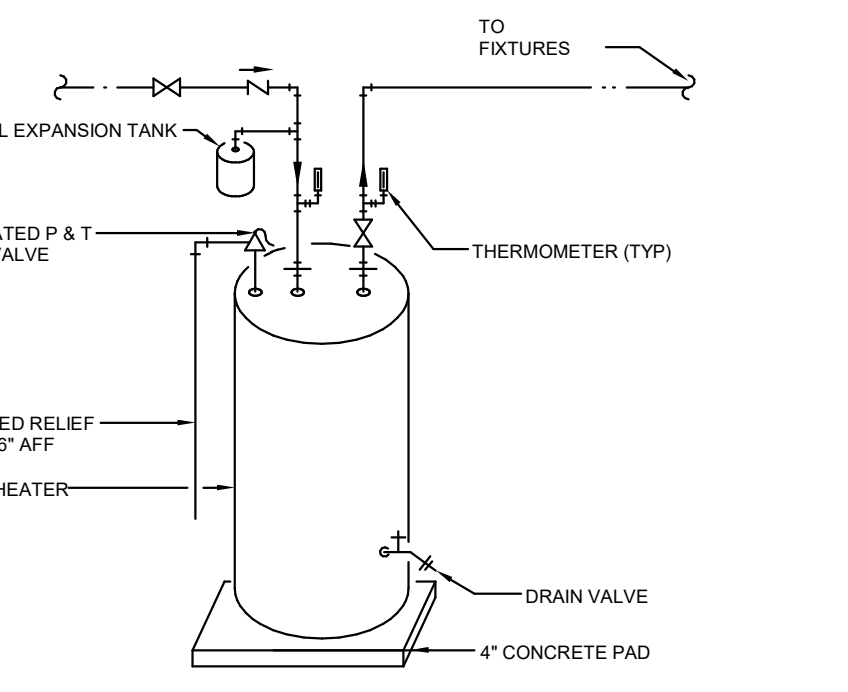
COLD PIPING SUPPORT DETAIL
NO SCALE



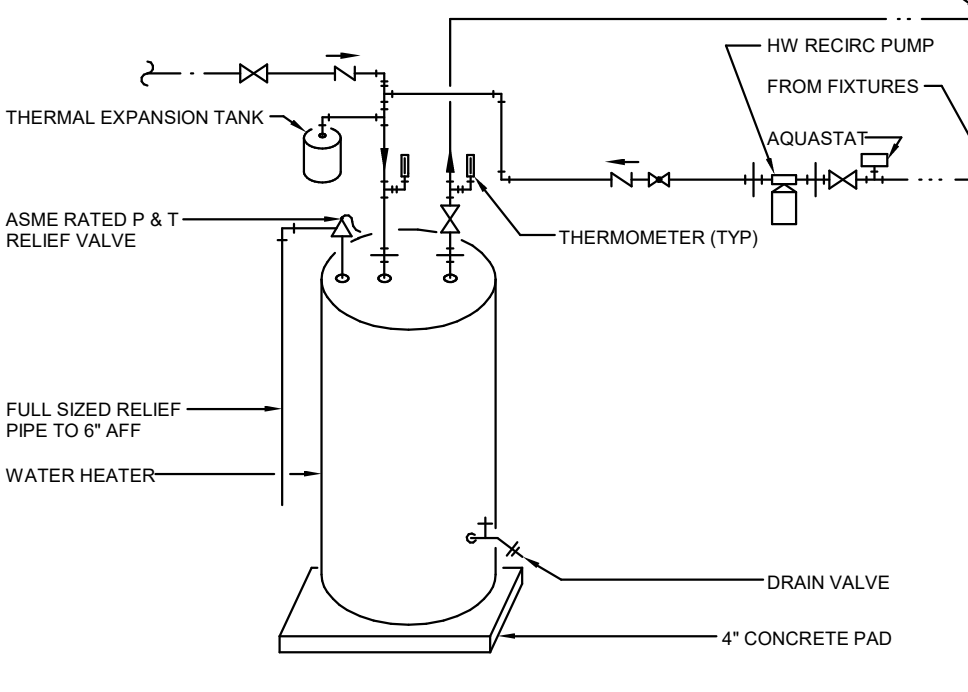
SUBMERSIBLE SUMP PUMP
NO SCALE



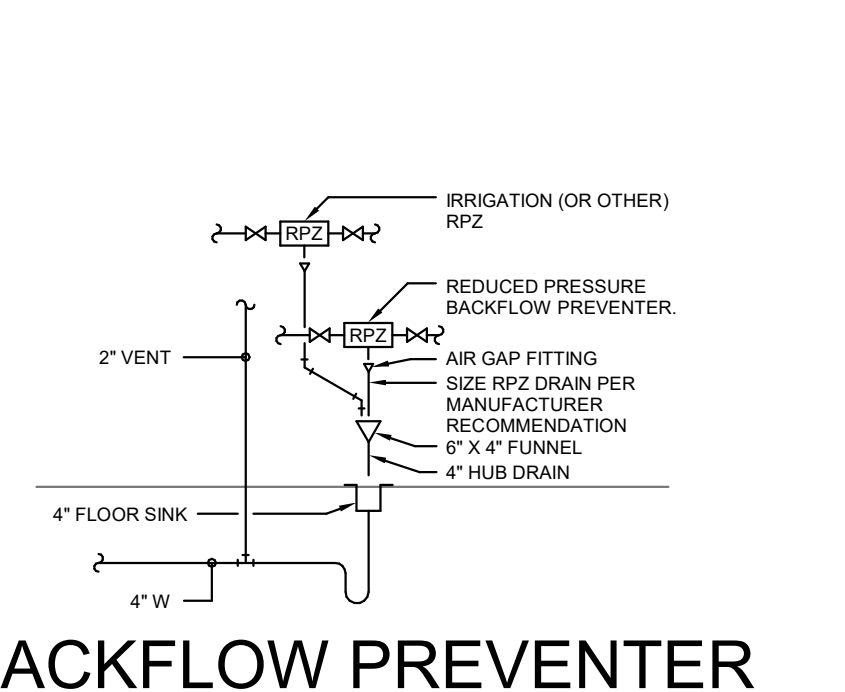
COOLING COIL DRAIN TRAP DETAIL
NO SCALE



ELECTRIC WATER HEATER PIPING DETAIL (BASE BID)
NO SCALE

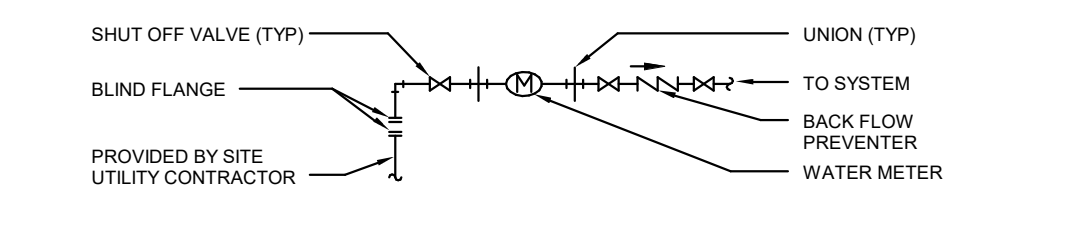


ELECTRIC WATER HEATER PIPING DETAIL (ADD ALT)
NO SCALE

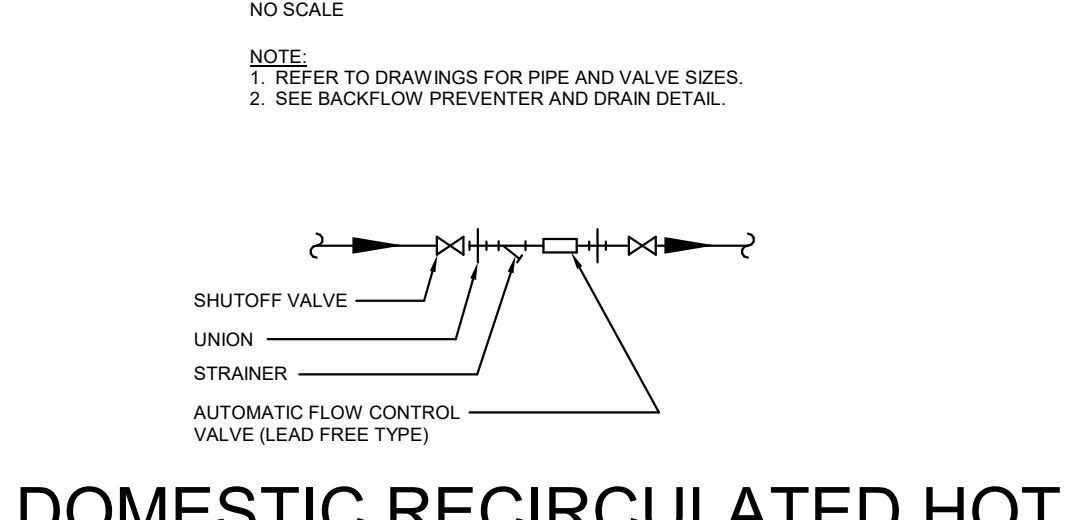


BACKFLOW PREVENTER AND DRAIN DETAIL
NO SCALE

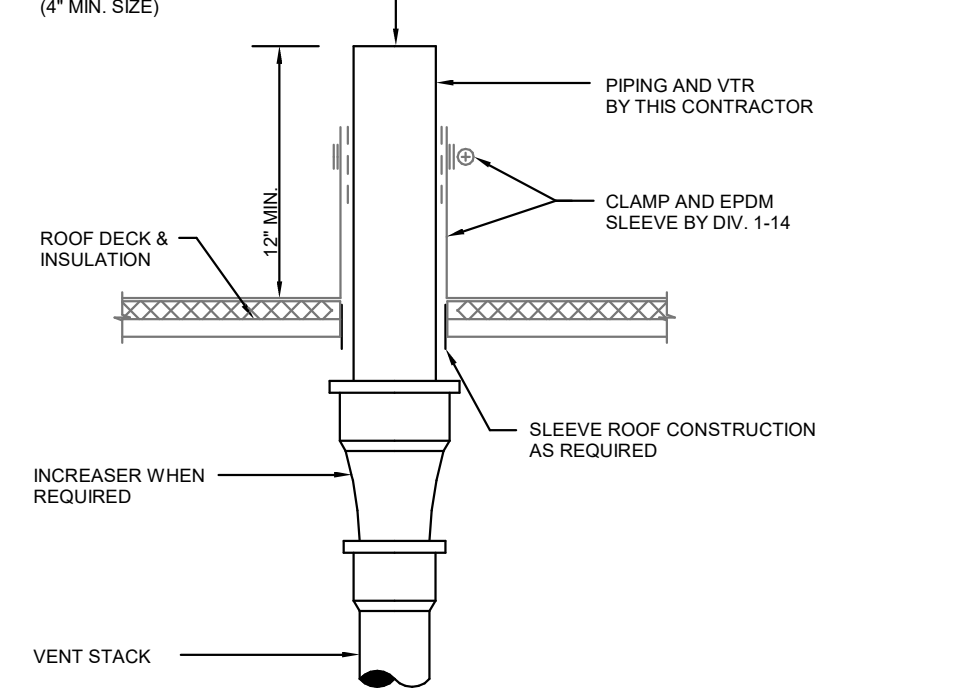
SYMBOL		ABBREV.	DESCRIPTION	SYMBOL		DESCRIPTION	ABBREV.		DESCRIPTION	ABBREV.		DESCRIPTION
---	---	CW	COLD WATER	---	---	SUPPLY/OUTSIDE AIR DUCT UP (S/A OR O/A)	A	AF	Equipment	NFPA	National Fire Protection Agency	
---	---	HW	HOT WATER	---	---	SUPPLY/OUTSIDE AIR DUCT DOWN (S/A OR O/A)	AFD	AFD	Adjustable Frequency Drive	NP	Non-potable	
---	---	RHW	RECYCLED HOT WATER	---	---	RETURN/EXHAUST AIR DUCT UP (R/A OR E/A)	AFLE	AFLE	Above Pinned Floor	OSP	Outside Air	
---	---	TW	TEMPERED WATER	---	---	RETURN/EXHAUST AIR DUCT DOWN (R/A OR E/A)	AG	AG	Annual Gas Association	OC	On Center	
---	---	SCW	SOFT COLD WATER	---	---	ROUND DUCT SECTION UP	ALH	ALH	Air Handling Unit	EXP	Expansion	
---	---	SHW	SOFT HOT WATER	---	---	ROUND DUCT SECTION DOWN	ALM	ALM	Alarm	FD	Floor Drain	
---	---	SRHW	SOFT RECYCLED HOT WATER	---	---	DUCT RISE IN DIRECTION	AMB	AMB	Ambient Air Temperature (°F)	FDP	Floor Drop	
---	---	NPWC	NON POTABLE COLD WATER	---	---	DUCT RISE IN DIRECTION	AP	AP	Architectural Pressure (IN. W.C.)	FDN	Flow Down	
---	---	NPWH	NON POTABLE HOT WATER	---	---	DUCT RISE IN DIRECTION	ARCH	ARCH	Architect, Architectural	FDN	Flow Down	
---	---	NRHW	NON POTABLE RECYCLED HOT WATER	---	---	DUCT RISE IN DIRECTION	ASHRAE	ASHRAE	American Society of Heating, Refrigeration & Air Conditioning	F. DFR	F. DFR	
---	---	SNPCW	SOFT NON POTABLE COLD WATER	---	---	DUCT RISE IN DIRECTION	ASME	ASME	American Society of Mechanical Engineers	FLEX	Flexible	
---	---	SNPHW	SOFT NON POTABLE HOT WATER	---	---	DUCT RISE IN DIRECTION	ATC	ATC	Automatic Temperature Control	FOD	Fuel Oil Delivery	
---	---	SNRHW	SOFT NON POTABLE RECYCLED HOT WATER	---	---	DUCT RISE IN DIRECTION	AW	AW	Acid Waste	FOS	Fuel Oil Supply	
---	---	DI	DEIONIZED WATER	---	---	DUCT RISE IN DIRECTION	AWT	AWT	Average Water Temperature (°F)	FPM	Fuel Per Minute	
---	---	LSR	LAWN SPRINKLER	---	---	DUCT RISE IN DIRECTION	AWT	AWT	Average Water Temperature (°F)	FSK	Floor Sink	
---	---	FSR	FIRE SPRINKLER	---	---	DUCT RISE IN DIRECTION	BA	BA	Balancing Automation System	FSPR	Fire Sprinkler	
---	---	O	OXYGEN	---	---	DUCT RISE IN DIRECTION	BD	BD	Backdraft Damper	FT	Fuel	
---	---	VAC	VACUUM	---	---	DUCT RISE IN DIRECTION	BS	BS	Balancing Automation System	FTG	Filing	
---	---	W	WASTE BELOW FLOOR	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	G	Gas, Gas	
---	---	W	WASTE ABOVE GRADE	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	AW	ACID WASTE	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	GW	GREASE WASTE	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	DS	DOWNSPOUT (RAIN WATER)	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	V	VENT	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	AV	ACID VENT	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	HWS	HEATING WATER SUPPLY	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	HWR	HEATING WATER RETURN	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	LPS	LOW PRESSURE STEAM SUPPLY	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	LPR	LOW PRESSURE STEAM RETURN	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	MPS	MEDIUM PRESSURE STEAM SUPPLY	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	MPR	MEDIUM PRESSURE STEAM RETURN	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	HPS	HIGH PRESSURE STEAM SUPPLY	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	HPR	HIGH PRESSURE STEAM RETURN	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	CHS	CHILLED WATER SUPPLY	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	CHR	CHILLED WATER RETURN	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	DWS	DUAL WATER SUPPLY	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	DWR	DUAL WATER RETURN	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	CWS	CONDENSER WATER SUPPLY	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	CWR	CONDENSER WATER RETURN	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	RL	REFRIGERANT LIQUID	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	RS	REFRIGERANT SUCTON	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	HG	HOT GAS	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	COND	CONDENSATE	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	G	NATURAL GAS LINE (FRM)	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	KG	NATURAL GAS LINE (INTERTRIED)	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	LPG	LIQUEFIED PETROLEUM GAS (INTERTRIED)	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	FO	FUEL OIL SUPPLY	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	FOR	FUEL OIL RETURN	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	FOV	FUEL OIL VENT	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	SMS	SNOW MELT SUPPLY	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	SMR	SNOW MELT RETURN	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	HRS	HEAT PUMP RETURN	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	
---	---	HRP	HEAT PUMP RETURN	---	---	DUCT RISE IN DIRECTION	BTU	BTU	British Thermal Units per Hour	GA	Gas, Gas	



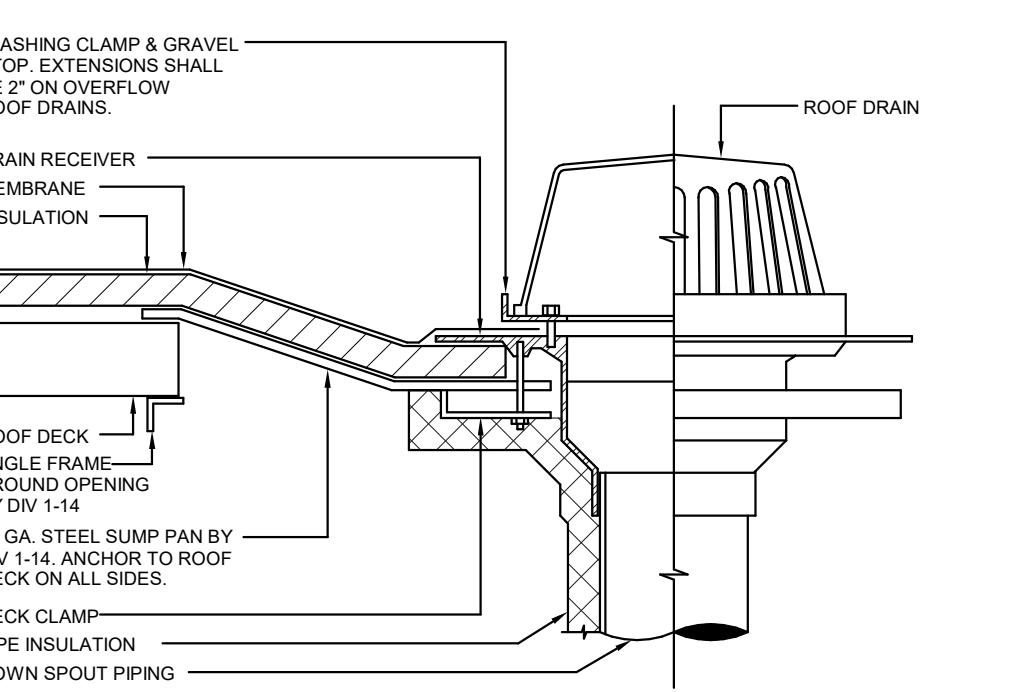
WATER METER PIPING DIAGRAM
NO SCALE



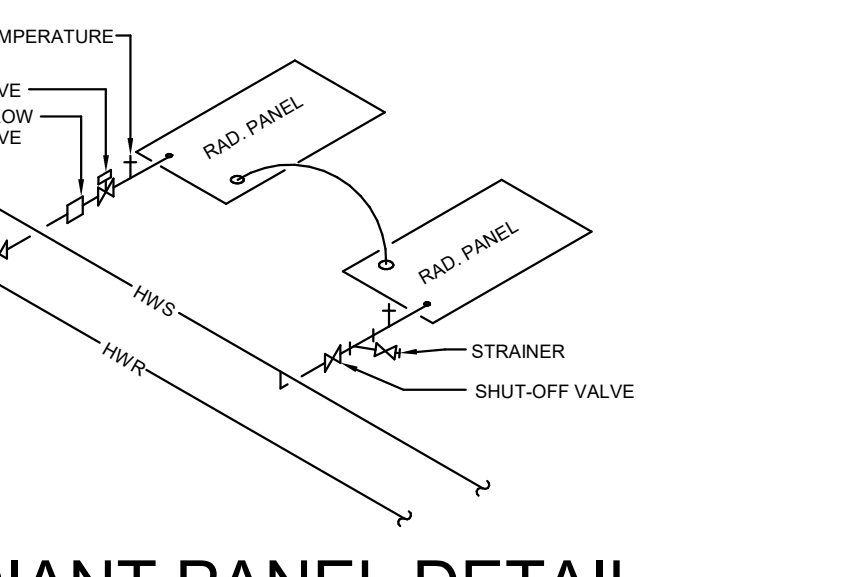
DOMESTIC RECIRCULATED HOT WATER AUTOMATIC FLOW CONTROL VALVE PIPING DETAIL
NO SCALE



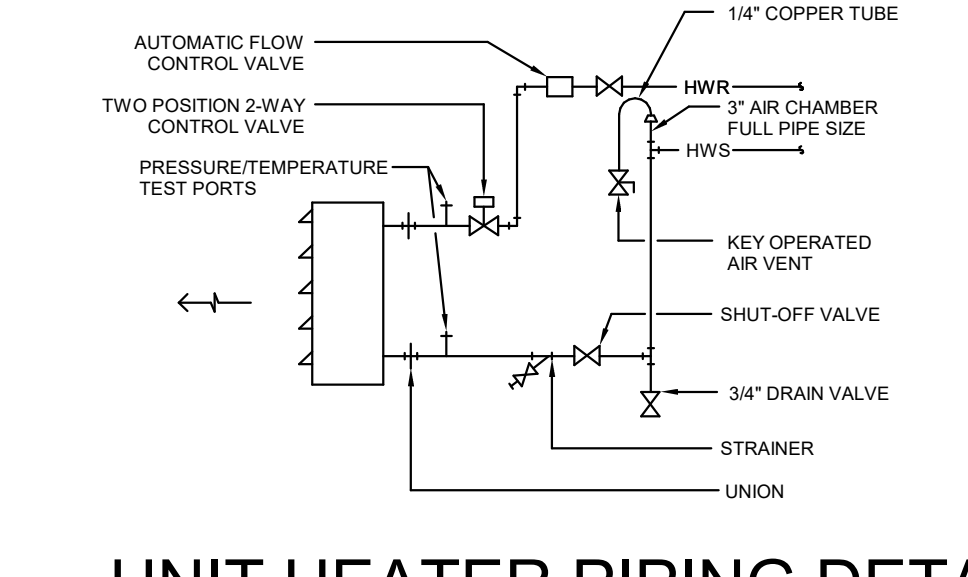
PLUMBING VENT DETAIL
NO SCALE



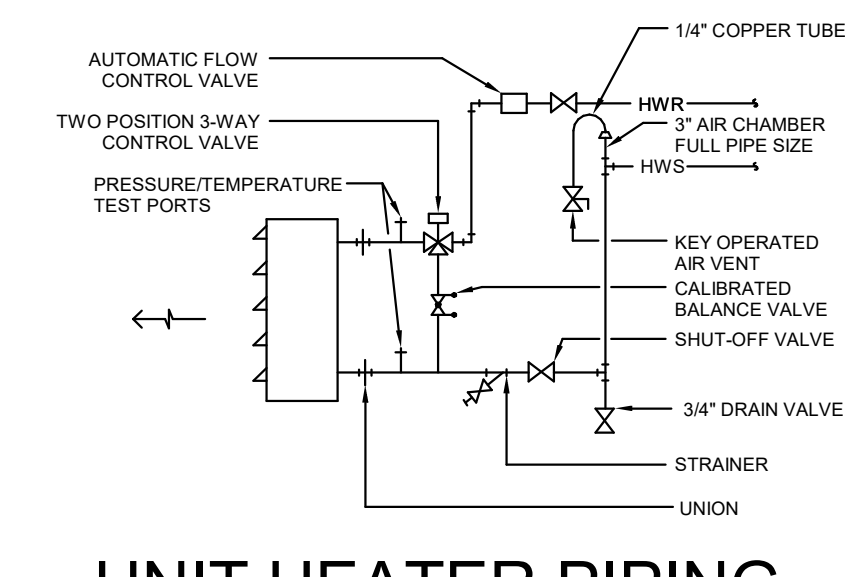
ROOF DRAIN DETAIL
NO SCALE



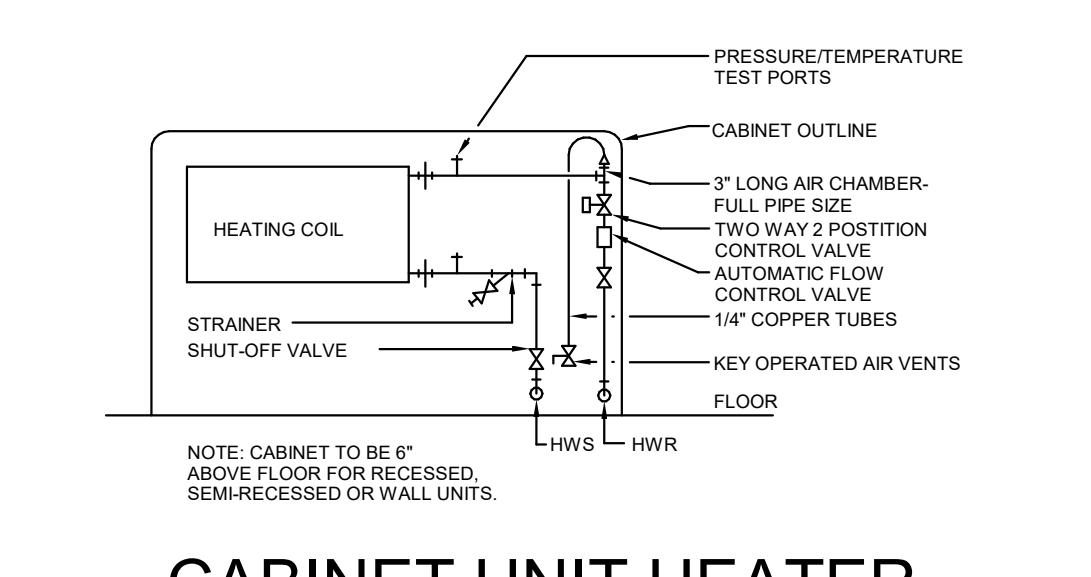
RADIANT PANEL DETAIL
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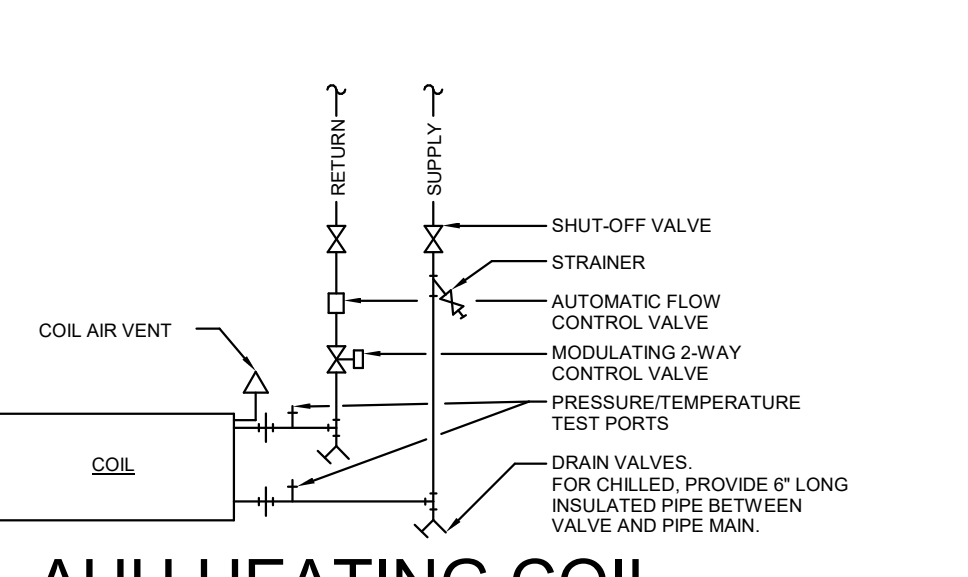
UNIT HEATER PIPING DETAIL
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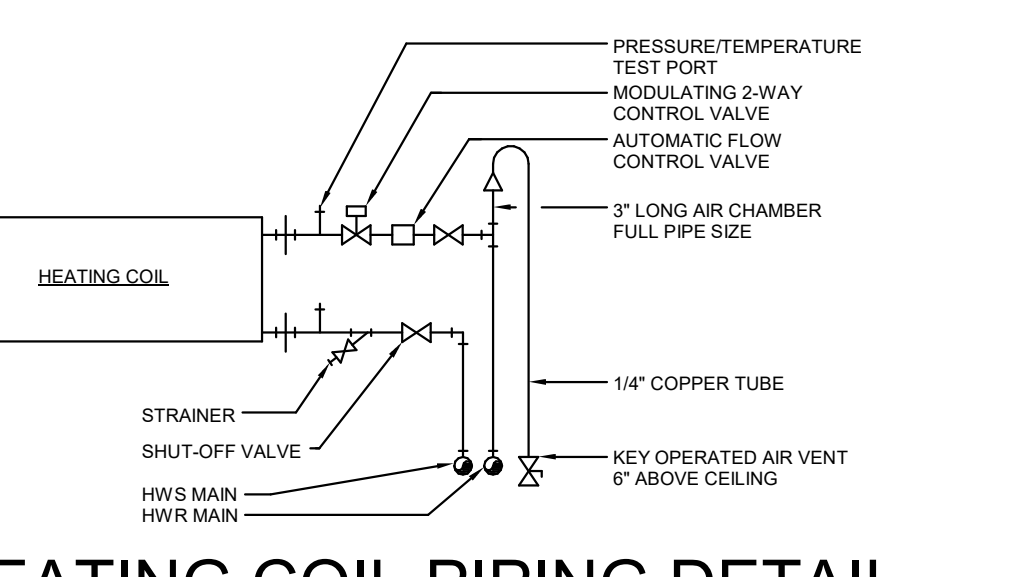
UNIT HEATER PIPING DETAIL (UH-107D & UH-110)
NO SCALE



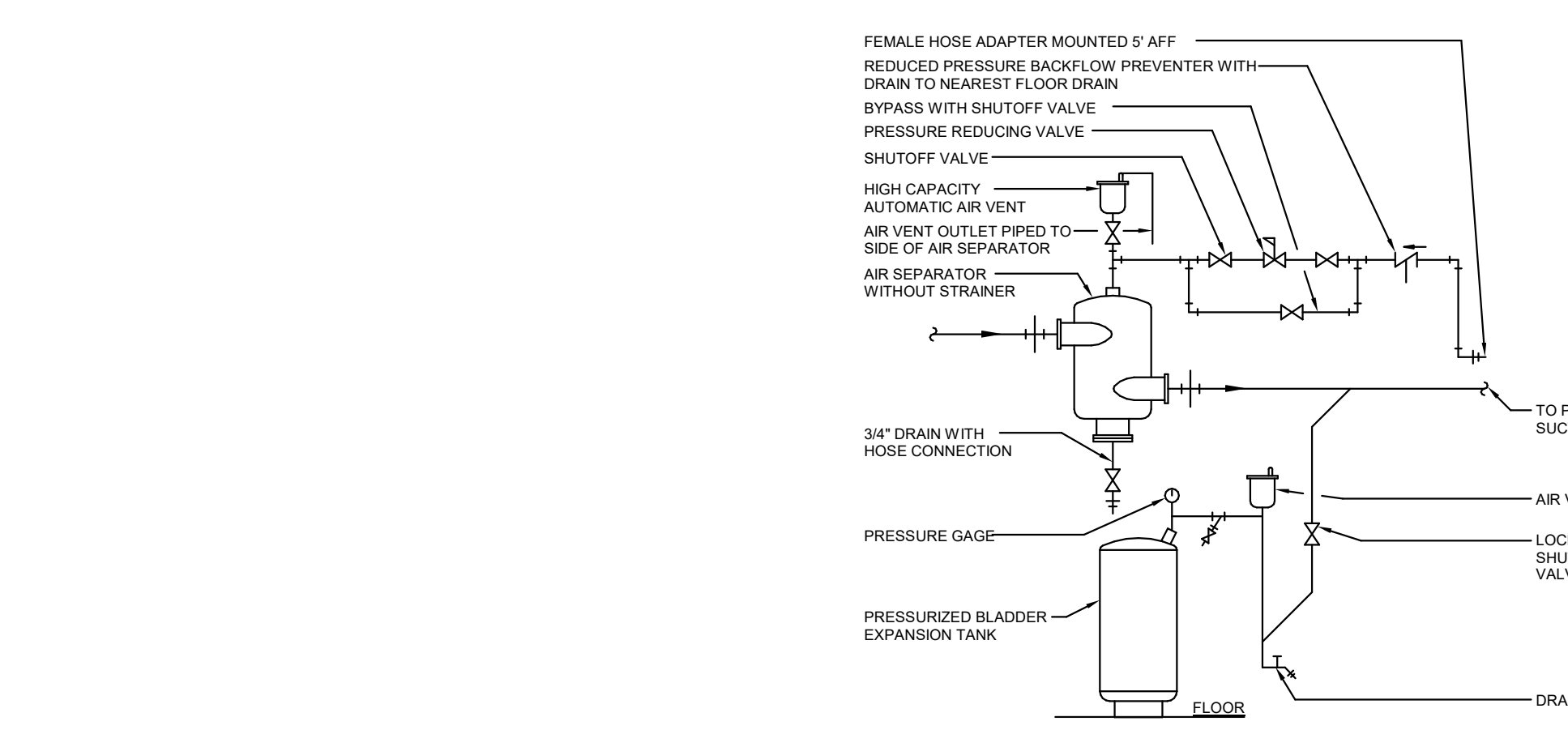
CABINET UNIT HEATER PIPING DETAIL
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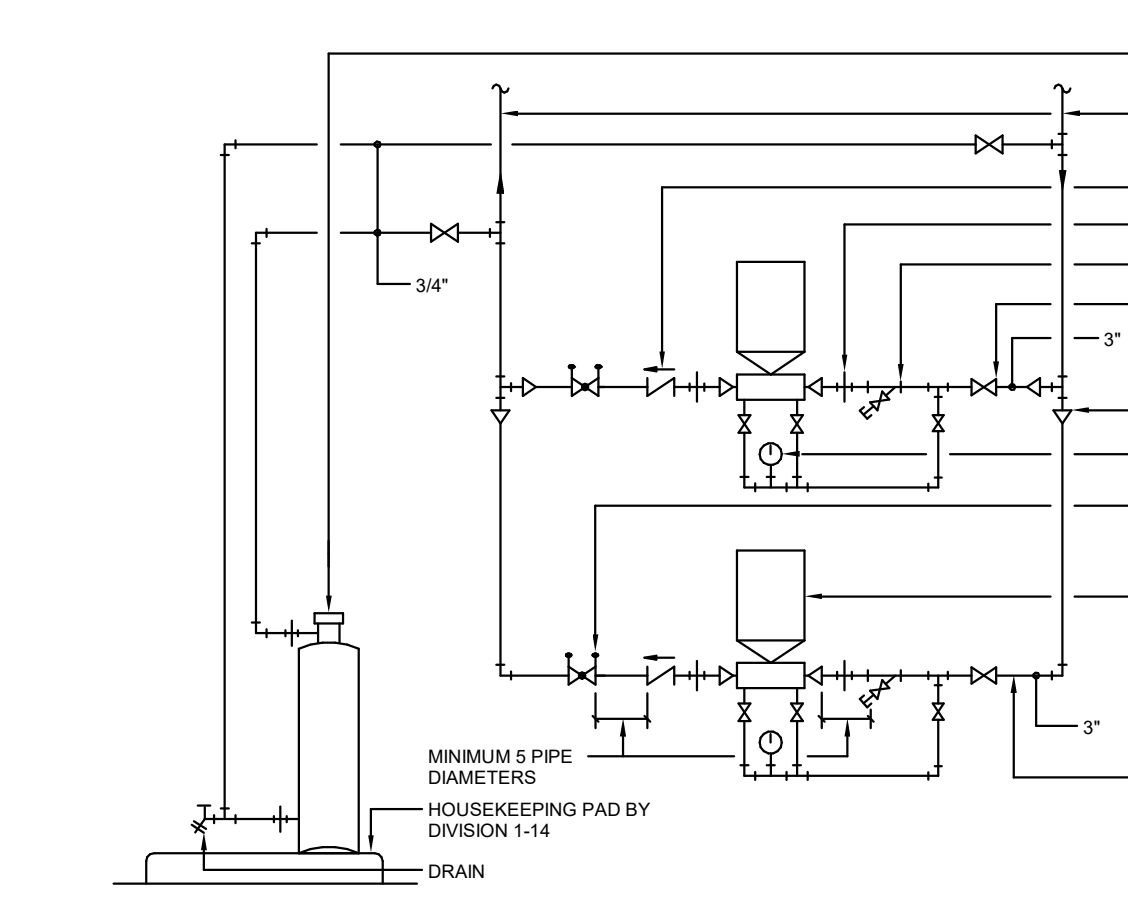
AHU HEATING COIL PIPING DIAGRAM
NO SCALE



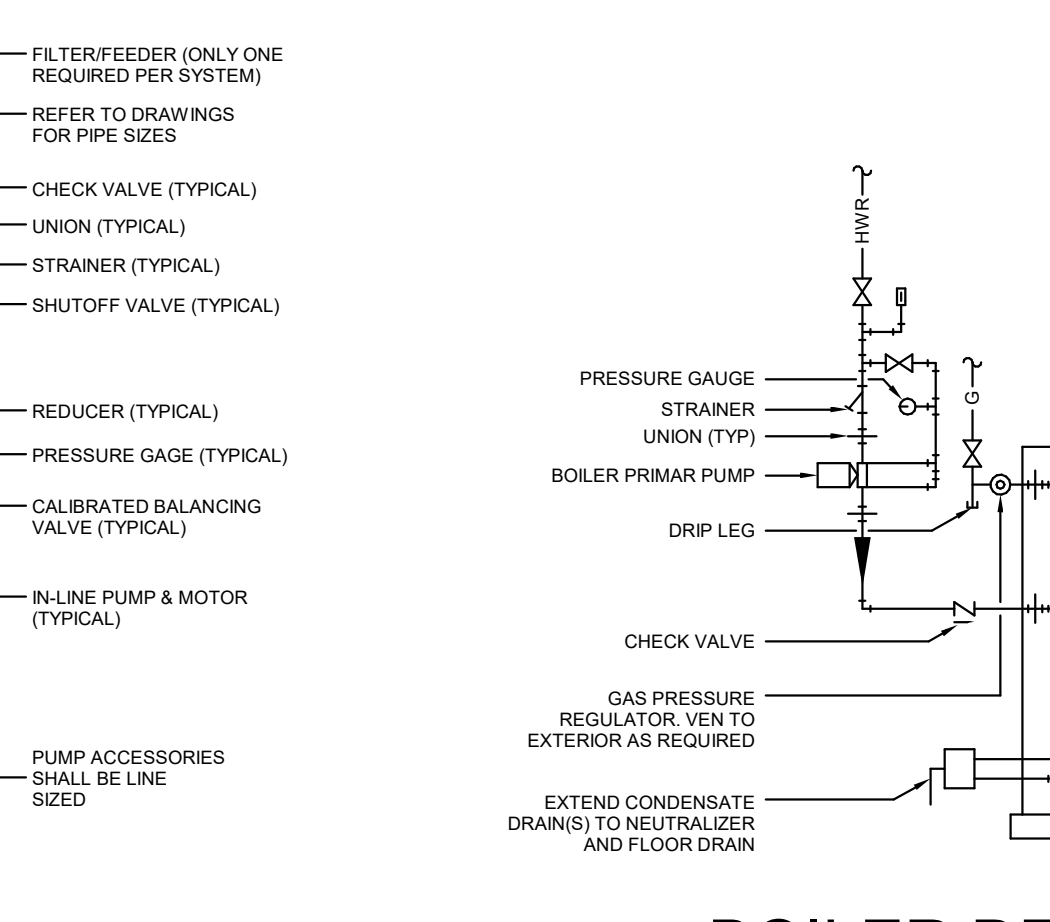
HEATING COIL PIPING DETAIL
NO SCALE



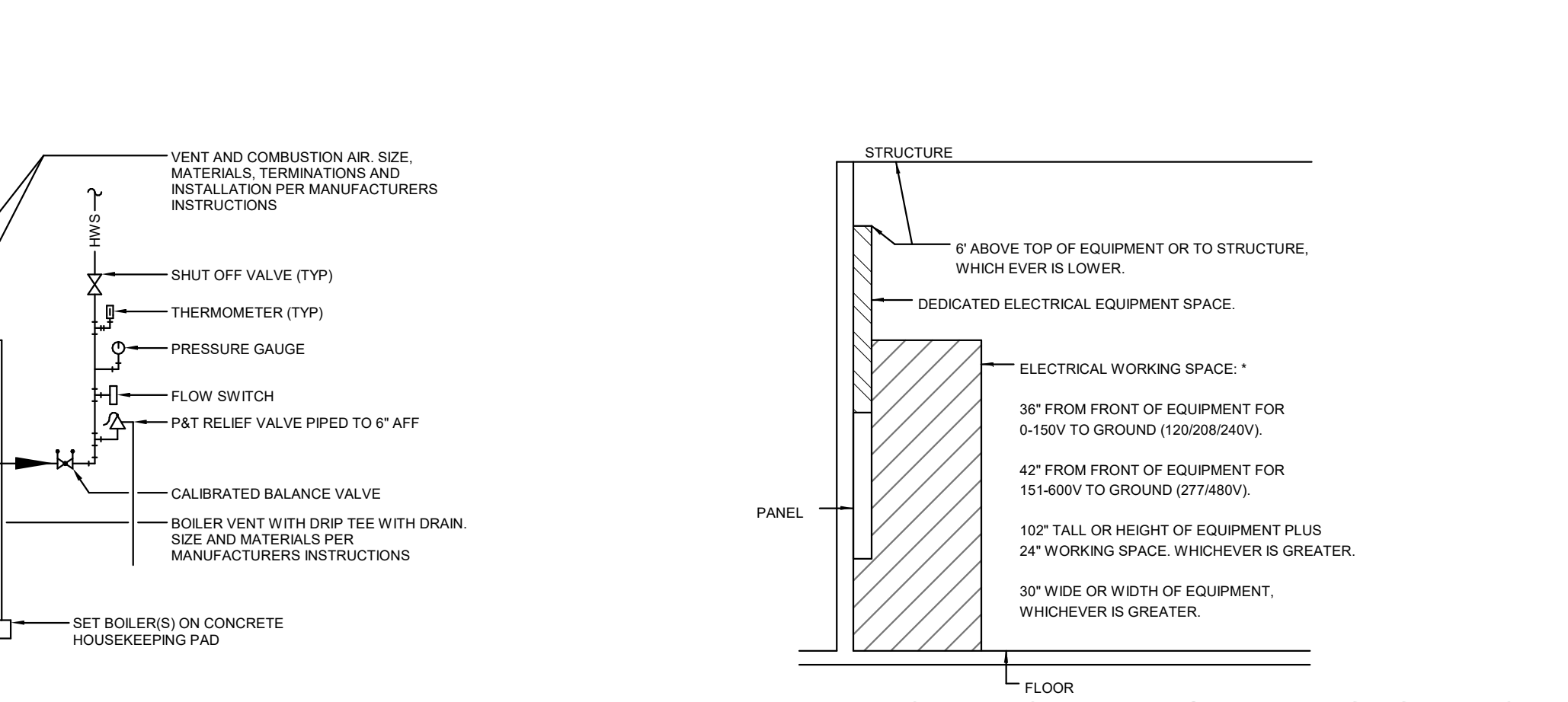
EXPANSION TANK DETAIL
NO SCALE



IN-LINE PUMP DETAIL
NO SCALE



BOILER DETAIL
NO SCALE



ELECTRICAL WORKING SPACE
NO SCALE

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ACEI PROJ. #126009

Project: **SOUTHEAST TECHNICAL COLLEGE HOUSE CONSTRUCTION LAB**

Sheet: **LEGEND & DETAILS**

number: 12.19.31.55.25

date: APRIL 3, 2026

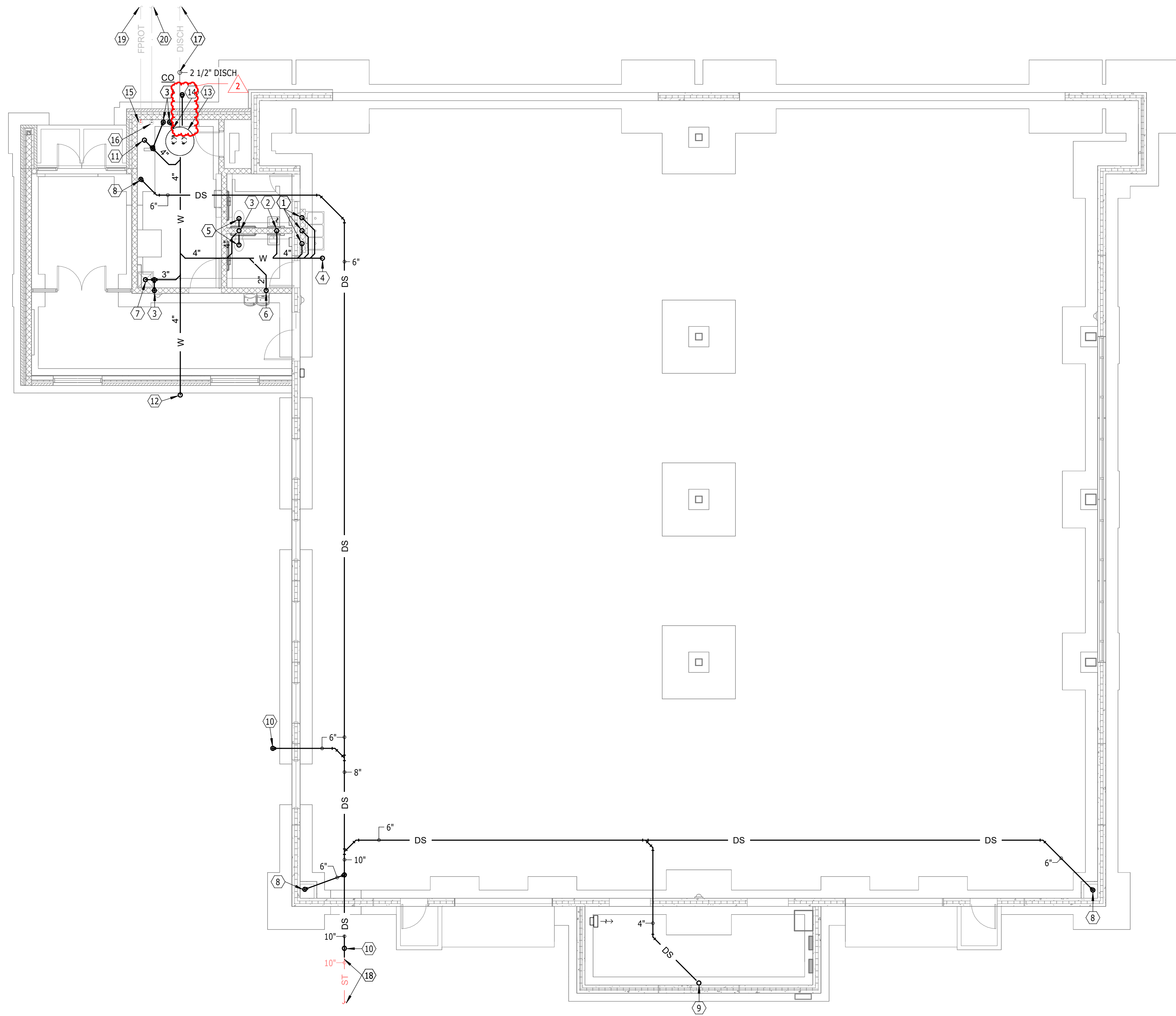
revision:

draw: NJH checked Td

DATE: 4-21-2026

DESCRIPTION: Addendum #2

8.10



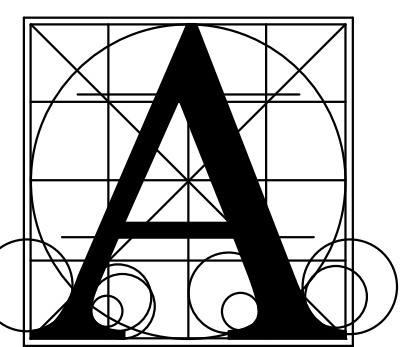
N
 UNDERFLOOR PLAN - PLUMBING - BASE BID
 SCALE 0 4 8 12 16

GENERAL SHEET NOTES

- A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.
- B. ON NEW CONSTRUCTION DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE NEW WORK.
- C. MAINTAIN REQUIRED ELECTRICAL CLEARANCES FOR MECHANICAL EQUIPMENT.

PLUMBING & HEATING NOTES

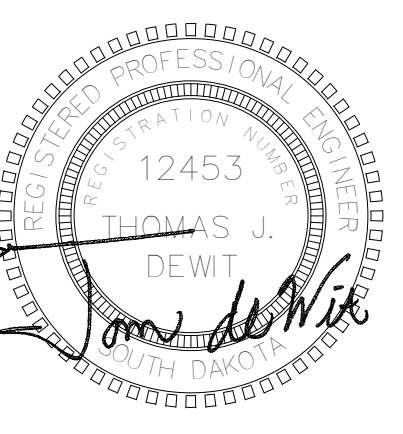
- 1 2" W UP TO SK
- 2 2" W UP TO LAV
- 3 2" V UP
- 4 4" W UP TO CO
- 5 4" W UP TO WC
- 6 2" W UP TO EWC
- 7 3" W UP TO MSK
- 8 6" DS UP
- 9 4" DS UP
- 10 4" DS UP TO GRADE CO
- 11 4" W UP TO FSK
- 12 4" W UP TO GRADE CO. INSTALL PIPING 36" DEEP TO ACCOMMODATE FUTURE ADDITION
- 13 SEWAGE BASIN 3'-6" DIA X 7'-6" DEEP WITH DUPLEX SEWAGE PUMPS. SEE SEWAGE PUMP PIPING DETAIL
- 14 CONNECT 2" V TO SEWAGE BASIN
- 15 FIRE PROTECTION SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWING FOR CONTINUATION
- 16 WATER SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 17 CONNECT 2" DISCH FROM SEWAGE PUMPS TO PIPING PROVIDED BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 18 CONNECT TO PIPING PROVIDED BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 19 FIRE PROTECTION SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWING FOR CONTINUATION
- 20 WATER SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION



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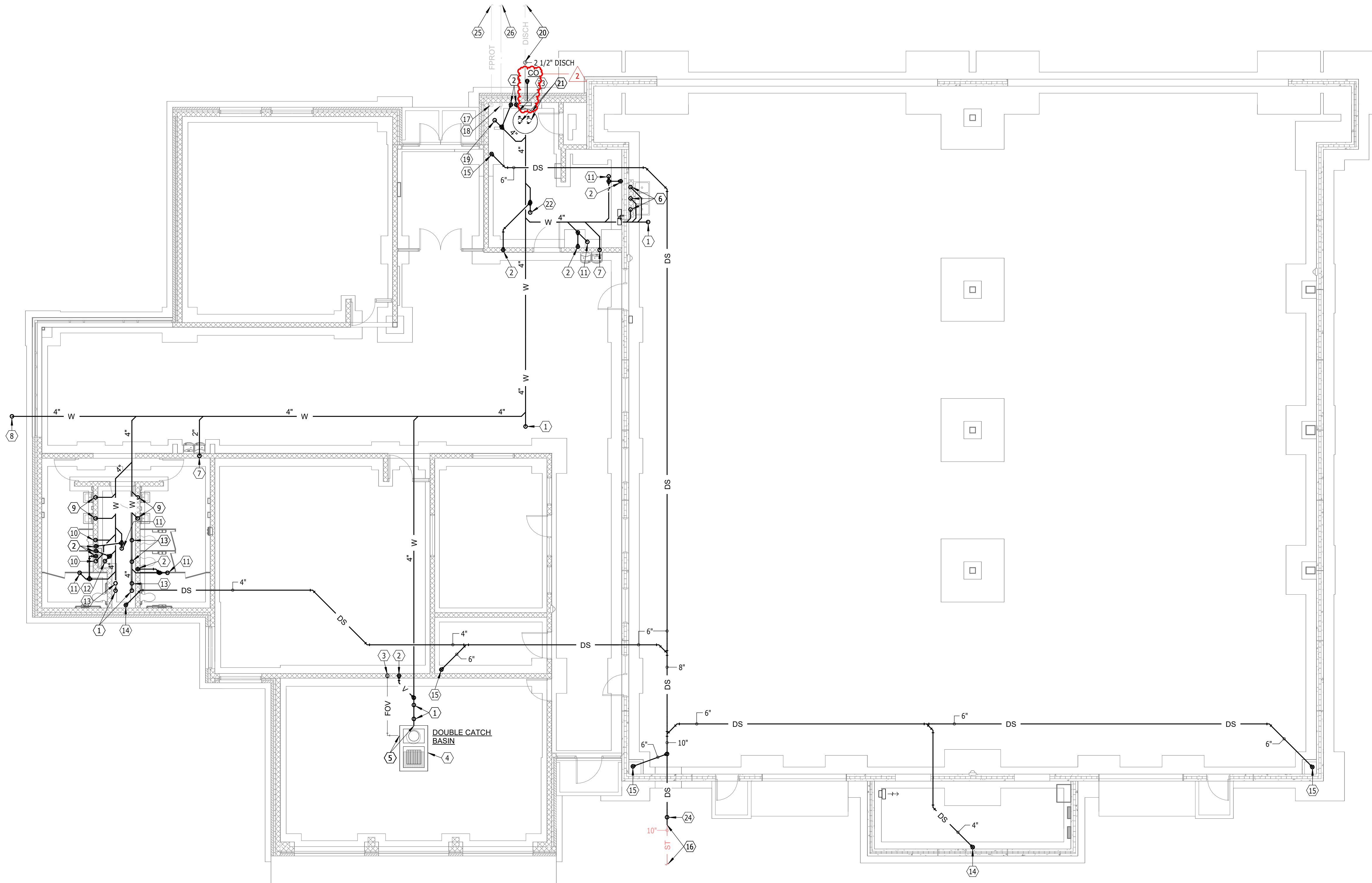
Project: **SOUTHEAST TECHNICAL COLLEGE HOUSE CONSTRUCTION LAB**

Sheet contents: **UNDERFLOOR PLAN - PLUMBING - BASE BID**

number	1219.3155.25
date	APRIL 3, 2026
revision	
drawn	DWM checked Td

DATE	DESCRIPTION
4-14-2026	Addendum #1
4-21-2026	Addendum #2

8.20



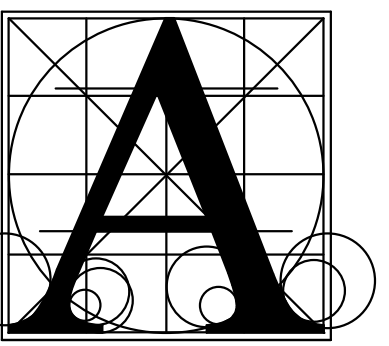
N
 UNDERFLOOR PLAN - PLUMBING - ADD ALTERNATE
 SCALE 0 4 8 12 16

GENERAL SHEET NOTES

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PLUMBING & HEATING NOTES

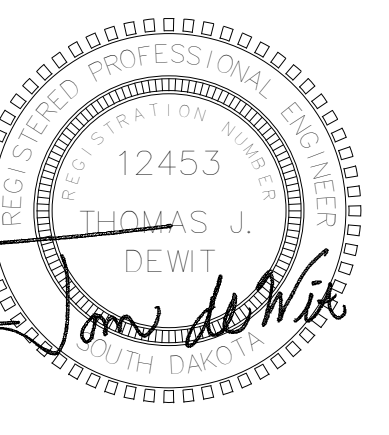
- 1 4" W UP TO CO
- 2 2" V UP
- 3 2" FOV UP
- 4 DOUBLE CATCH BASIN BY G.C. SEE DOUBLE CATCH BASIN DETAIL FOR INTERNAL PIPING REQUIREMENTS
- 5 CONNECT TO DOUBLE CATCH BASIN
- 6 2" W UP TO SK
- 7 2" W UP TO EWC
- 8 4" W UP TO GRADE CO. INSTALL PIPING 24" BELOW GRADE FOR FUTURE PLBG FIXTURES
- 9 2" W UP TO LAV
- 10 2" W UP TO UR
- 11 2" W UP TO FD
- 12 3" W UP TO MSK
- 13 4" W UP TO WC
- 14 4" DS UP
- 15 6" DS UP
- 16 CONNECT TO PIPING PROVIDED BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 17 FIRE PROTECTION SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWING FOR CONTINUATION
- 18 WATER SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 19 4" W UP TO FSK
- 20 CONNECT 2" DISCH FROM SEWAGE PUMPS TO PIPING PROVIDED BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 21 SEWAGE BASIN 3'6" DIA X 7'4" DEEP WITH DUPLEX SEWAGE PUMPS. SEE SEWAGE PUMP PIPING DETAIL
- 22 2" W UP TO FSK
- 23 CONNECT 2" V TO SEWAGE BASIN
- 24 4" DS UP TO GRADE CO
- 25 FIRE PROTECTION SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 26 WATER SERVICE STUBBED UP TO BLIND FLANGE BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION



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**SOUTHEAST TECHNICAL COLLEGE HOUSE
 CONSTRUCTION LAB**

UNDERFLOOR PLAN - PLUMBING - ADD ALTERNATE

Project number 1219.3155.25
 date APRIL 3, 2026
 revision
 drawn DWM checked Td

DATE	DESCRIPTION
4-14-2026	Addendum #1
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8.20A