

PLUMBING SYMBOLS	
SYMBOL	DESCRIPTION
	CONTROL VALVE (3-WAY)
	CONTROL VALVE (2-WAY)
	GATE VALVE
	BALANCING VALVE
	BALL VALVE
	CHECK VALVE
	PRESSURE REGULATING VALVE
	BACKFLOW PREVENTER
	PIPE REDUCER
	Y-STRAINER
	UNION
	PIPE CAP OR PLUG
	PIPE CONTINUES
	ELBOW UP
	ELBOW DOWN
	TOP TAKE-OFF
	BOTTOM TAKE-OFF
	BRANCH-SIDE CONNECTION
	DIRECTION OF FLOW
	PIPE SLOPE AS NOTED
	CONNECT TO EXISTING

PLUMBING SYMBOLS	
SYMBOL	DESCRIPTION
	WALL CLEANOUT
	LINE/FLOOR CLEANOUT
	FLOOR DRAIN W/ P-TRAP
	ROOF DRAIN
	THERMOMETER (TH)
	WATER HAMMER ARRESTER (LETTER DESIGNATES SIZE)
	SLEEVE
	PLUG IN END OF PIPE
	PIPE ANCHOR
	PIPE GUIDE
	EXPANSION JOINT (EJ)
	RELIEF VALVE
	PRESSURE REDUCING VALVE
	PUMP
	METER
	HOSE END DRAIN VALVE
	HOSE BIBB (HB)
	NON-FREEZE WALL HYDRANT (WH)
	PRESSURE GAUGE
	FLOW SWITCH
	GAS PRESSURE REGULATING VALVE
	GAS COCK

PIPING DESCRIPTION

	COLD WATER (DCW)
	HOT WATER (DHW)
	HOT WATER RETURN (DHW R)
	VENT (V)
	STORM (ST)
	SANITARY (W)

GENERAL

	X = SECTION DETAIL NUMBER XX = SHEET REFERENCE
	X = CALLOUT DETAIL NUMBER XX = SHEET REFERENCE

ABBREVIATIONS - PLUMBING

AD	AREA DRAIN
BFP	BACKFLOW PREVENTER VALVE
BLV	GLOBE VALVE
BP	BOOSTER PUMP
BTV	BUTTERFLY VALVE
BV	BALL VALVE
CD	CONDENSATE DRAIN
CEB	CONCRETE EQUIPMENT BASE
CI	CAST IRON
CKV	CHECK VALVE
CO	CLEANOUT
CP	CIRCULATING PUMP
D	DRAIN LINE
DCW	COLD WATER
DF	DRINKING FOUNTAIN
DHW	HOT WATER
DHWR	HOT WATER RETURN
DN	DOWN
DSN	DOWNSPOUT NOZZEL
DSS	DOWNSPOUT SHOE
DT	DRAIN TILE
DWH	DOMESTIC WATER HEATER
ES	EMERGENCY SHOWER / EYEWASH
ESTV	EMERGENCY SHOWER TEMPERING VALVE
EWC	ELECTRIC WATER COOLER
EXT	EXPANSION TANK
FBO	FURNISHED BY OWNER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK
G	NATURAL GAS
HB	HOSE BIBB
INV	INVERT ELEVATION
L	LAVATORY
LI	LINT INTERCEPTOR
LT	LAUNDRY TUB
MSB	MOP SINK BASIN
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
OI	OIL INTERCEPTOR
OS & Y	OUTSIDE SCREW & YOKE
OSW	OPEN SITE WASTE
PD	PUMP DISCHARGE
PRV	PRESSURE REDUCING VALVE
PT	PLASTER TRAP
PVC	POLYVINYL CHLORIDE
RD	ROOF DRAIN
SAN	SANITARY SEWER (EXTERIOR)
SCW	SOFT COLD WATER
SH	SHOWER
SK	SINK
SL	SECURITY LAVATORY
SP	SUMP PUMP
SS	SANITARY SEWER
ST	STORM SEWER / STORM DRAIN
STM	STEAM
SWC	SECURITY WATER CLOSET
SWCL	SECURITY WATER CLOSET
SWH	STEAM WATER HEATER
TD	TRENCH DRAIN
TMV	THERMOSTATIC MIXING VALVE
TW	TEMPERED WATER
TYP	TYPICAL
UR	URINAL
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT
WM	WATER METER
WS	WATER SOFTENER
YCO	YARD CLEANOUT

GENERAL NOTES:

1. PROVIDE ALL MATERIALS AND LABOR NECESSARY FOR A COMPLETE PLUMBING SYSTEM. WARRANTY ALL WORK AND MATERIAL FOR A PERIOD OF AT LEAST ONE YEAR AFTER ACCEPTANCE BY OWNER.
2. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF:
 - A. IBC INTERNATIONAL PLUMBING CODE
 - B. ANSI
 - C. UNDERWRITERS LABORATORIES (UL)
 - D. ALL STATE AND LOCAL CODES AND ORDINANCES
 - E. IBC INTERNATIONAL GAS CODE
3. DO NOT SCALE DRAWINGS. OBTAIN ROUGH-IN DIMENSIONS FROM ARCHITECTURAL DRAWINGS OR FROM MANUFACTURERS PRINTED INSTRUCTIONS AND RECOMMENDATIONS ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ALL EQUIPMENT, CONNECTIONS AND LINES WITH THE OWNER PRIOR TO INSTALLATION OF ANY PIPING.
4. COORDINATE PLUMBING SYSTEMS WITH ALL TRADES TO AVOID INTERFERENCE AND CONFLICTS PRIOR TO INSTALLATION OF PIPING, FIXTURES, AND EQUIPMENT.
5. COORDINATE WITH AND OBTAIN PERMITS AND INSPECTIONS FROM THE LOCAL AUTHORITY HAVING JURISDICTION.
6. PROVIDE OWNER WITH CERTIFICATES OF FINAL INSPECTION FROM THE LOCAL AUTHORITY HAVING JURISDICTION.
7. WHENEVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN FURNISH AND INSTALL COMPLETE AND READY FOR USE.
8. UNLESS OTHERWISE SHOWN OR NOTED, ALL PIPING SHALL BE ROUTED CONCEALED IN WALLS, CHASES AND/OR ABOVE CEILINGS.
9. ALL SUSPENDED PIPING SHALL BE SUPPORTED FROM FLOOR AND/ OR ROOF STRUCTURAL MEMBERS. IN NO CASE SHALL PIPING BE SUSPENDED FROM FLOOR OR ROOF DECKING.
10. WHERE WORK PENETRATES FIRE RATED WALLS AND FLOORS, THE CONTRACTOR SHALL PROVIDE U.L. LISTED ASSEMBLIES THAT MEET OR EXCEED THE FIRE RATING LABEL SHOWN ON THE CONTRACT DRAWINGS.
11. PROVIDE DRAIN VALVES AT ALL LOW POINTS WHERE POSSIBLE IN HOT & COLD PIPING SYSTEMS. PROVIDE AN AUTOMATIC VENT-VALVE AT THE HIGH POINT IN HOT & COLD PIPING SYSTEMS, WATTS FV4M1 OR APPROVED EQUAL.
12. WATER PIPING INSTALLED UNDER FLOOR SLAB SHALL BE TYPE L SOFT COPPER TUBING WITH NO JOINTS BELOW THE SLAB. REQUIRED JOINTS BELOW SLAB SHALL UTILIZE SILVER SOLDER ONLY.
13. PROVIDE ALL VENT PENETRATIONS WHERE INDICATED ON FLOOR PLANS. COLLECT ALL VENTS ABOVE CEILING WHERE SHOWN.
14. PROVIDE CLEAN OUT AT BASE OF ALL SOIL & WASTE STACK, ROOF DRAIN LEADER, ETC. ALSO INSTALL CLEANOUTS ON STACKS 18" ABOVE FLOOD LEVEL OF FIXTURES AT EACH LEVEL.
15. INSULATE ALL DRAINS AND DRAIN BODIES RECEIVING DISCHARGE FROM MECHANICAL EQUIPMENT. INSULATE ALL HORIZONTAL PIPE RECEIVING DISCHARGE FROM MECHANICAL UNITS.
16. UNLESS OTHERWISE INDICATED P.C. IS RESPONSIBLE FOR ALL CUTTING, CORE DRILLING AND PATCHING REQ'D TO INSTALL PLBG WORK.
17. UNLESS NOTED OTHERWISE, ALL HORIZONTALLY SOIL WASTE & STORM PIPING SHALL BE INSTALLED AT 1/8" PER FT. SLOPE.
18. ALL ROOF DRAINS AND RELATED ROOF DRAIN LEADERS ARE SIZED FOR 4"/HR. RAINFALL (PRIMARY) AND 7.2"/HR. RAINFALL (SECONDARY).
19. DOMESTIC WATER PIPING SERVING BATTERY OF FIXTURES SHALL BE INSTALLED AS HEADERS, THE SAME SIZE AS THE RISER OR DROP TO CHASE. ROUGH-IN SIZES TO INDIVIDUAL FIXTURES SHALL BE AS INDICATED IN THE PLUMBING FIXTURE SCHEDULE.
20. PROVIDE WATER HAMMER ARRESTOR FOR EACH FIXTURE.
21. ALL PIPING PENETRATIONS THRU FIRE RATED PARTITIONS OR FLOOR SHALL BE SEALED IN ACCORDANCE WITH U.L. LISTED SYSTEMS.



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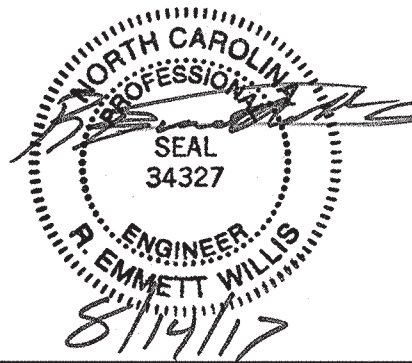
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DEI PROJECT # 50090277
SCO ID # -

DRAWING TITLE
PLUMBING
SYMBOLS,
ABBREVIATIONS &
NOTES

DRAWING NUMBER

P001

DRAWING LIST - PLUMBING

P001	PLUMBING SYMBOLS, ABBREVIATIONS & NOTES
P101	PLUMBING WASTE & VENT PLAN
P101A	PLUMBING WASTE & VENT PLAN (ALTERNATE #1)
P101B	PLUMBING WASTE & VENT PLAN (ALTERNATE #2)
P102	PLUMBING FIRST FLOOR PLAN
P102A	PLUMBING FIRST FLOOR PLAN (ALTERNATE #1)
P102B	PLUMBING FIRST FLOOR PLAN (ALTERNATE #2)
P201	ROOF PLAN - PLUMBING
P201A	ROOF PLAN - PLUMBING (ALTERNATE #1)
P201B	ROOF PLAN - PLUMBING (ALTERNATE #2)
P301	PLUMBING LARGE SCALE PLANS
P401	PLUMBING RISER DIAGRAMS
P401A	PLUMBING RISER DIAGRAMS (ALTERNATE #1)
P401B	PLUMBING RISER DIAGRAMS (ALTERNATE #2)
P501	PLUMBING DETAILS
P601	PLUMBING SCHEDULES
Grand total: 16	



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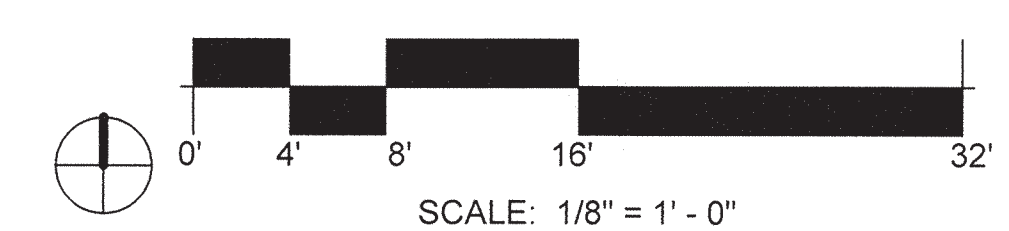
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- 1 NATURAL GAS METER BY GAS COMPANY. GAS SERVICE SHALL BE 2 PSI.
- 2 SEE SITE PLAN FOR CONTINUATION OF STORM PIPING.
- 3 SEE SITE PLAN FOR CONTINUATION OF SEWER PIPING.
- 4 3" VENT THROUGH ROOF.
- 5 2"W DN AND 2"V UP TO SERVE WASHING MACHINE.



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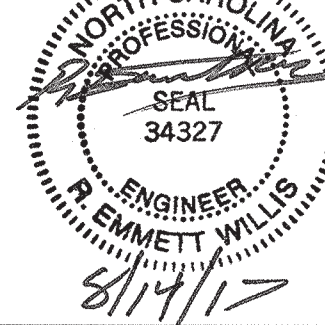
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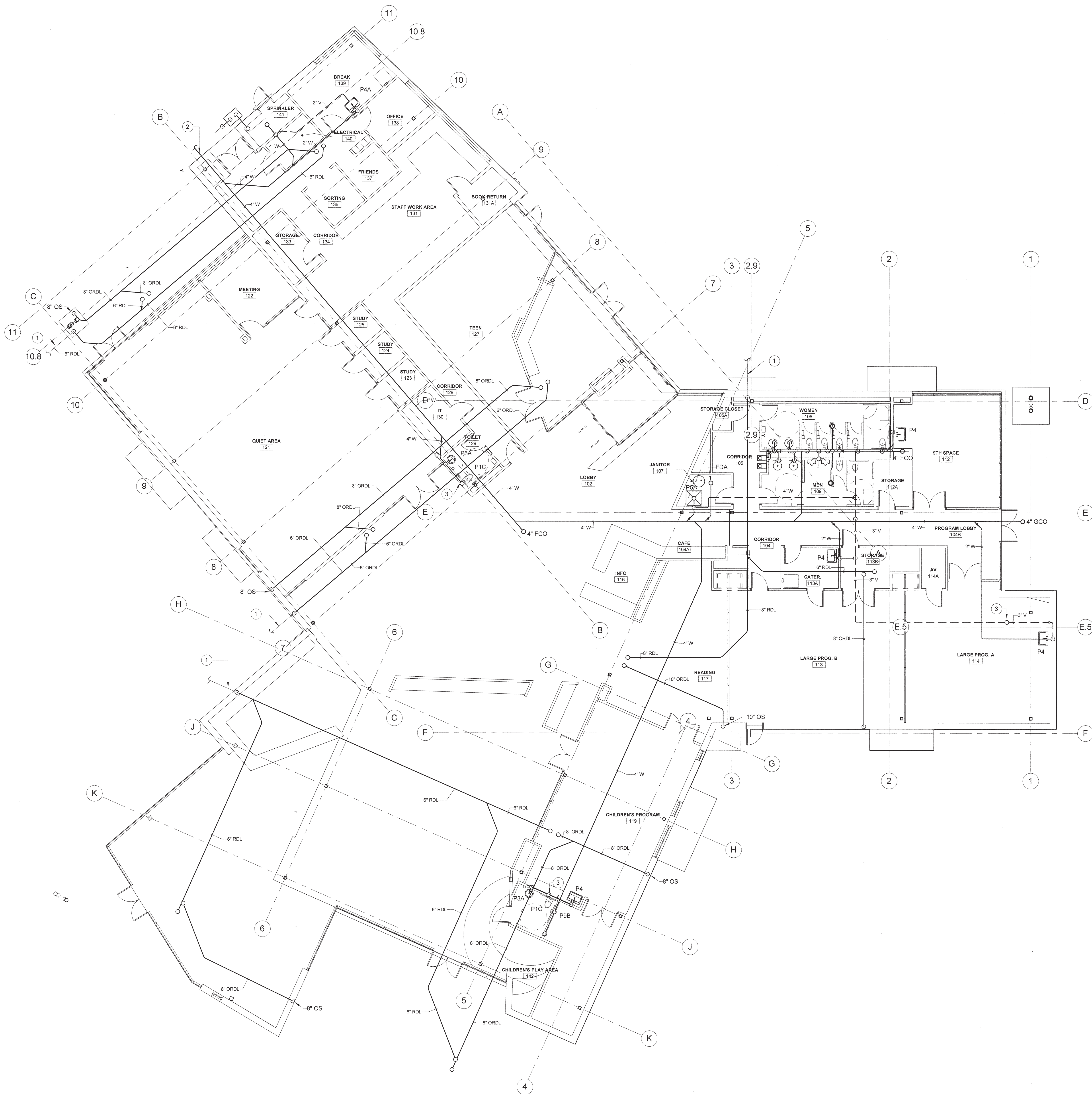
PLUMBING WASTE
& VENT PLAN
(ALTERNATE #1)

DRAWING NUMBER

P101A

KEYED NOTES:

- 1 SEE SITE PLAN FOR CONTINUATION OF STORM PIPING.
- 2 SEE SITE PLAN FOR CONTINUATION OF SEWER PIPING.
- 3 3" VENT THROUGH ROOF.



1 PLUMBING WASTE & VENT PLAN (ALTERNATE #1)
Scale: 1/8" = 1'-0"





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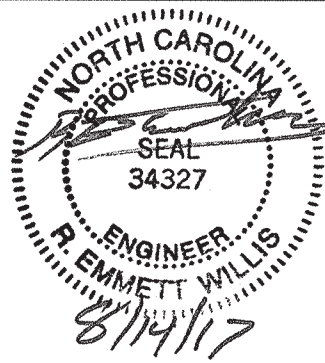
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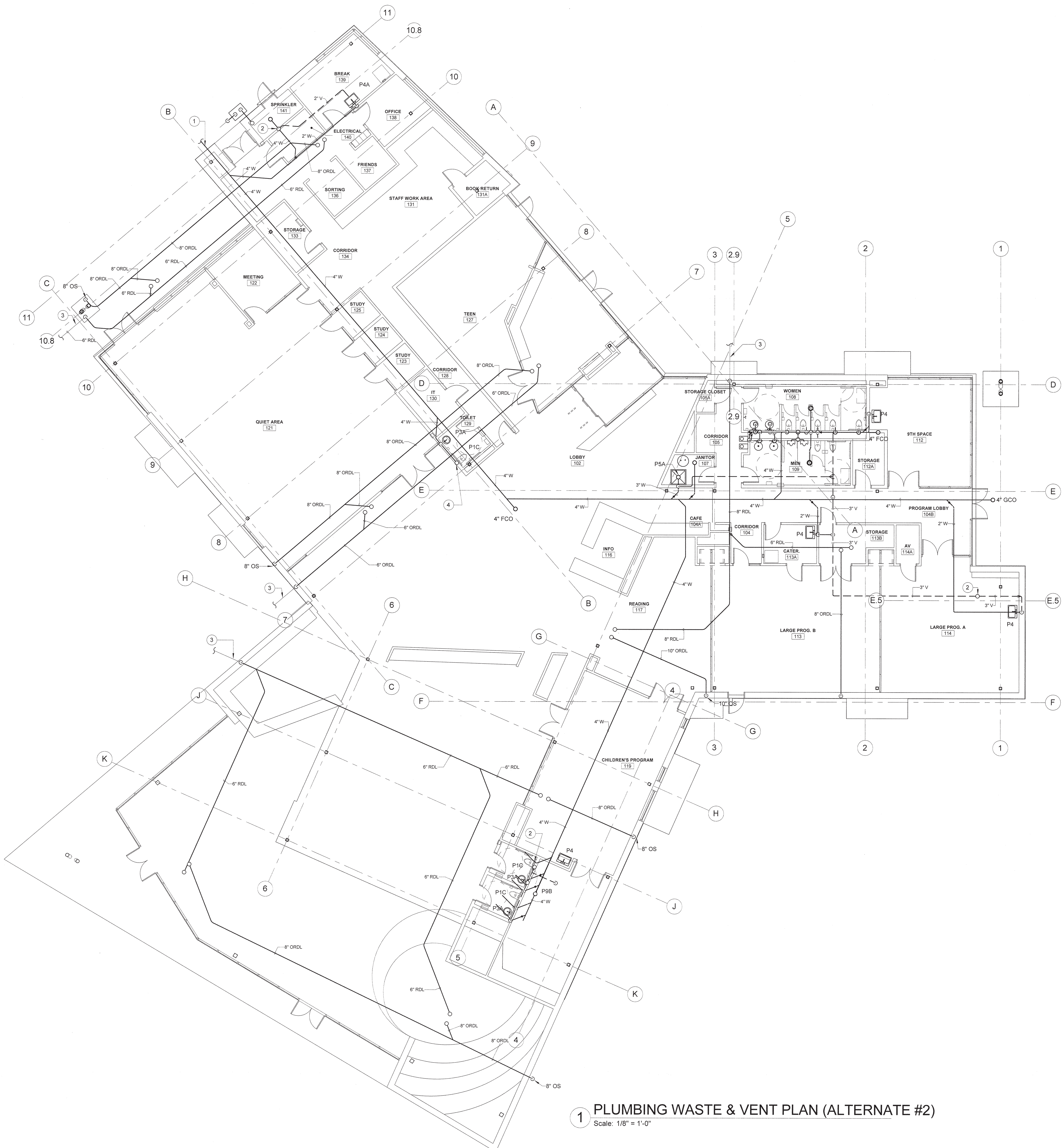
**PLUMBING WASTE
& VENT PLAN
(ALTERNATE #2)**

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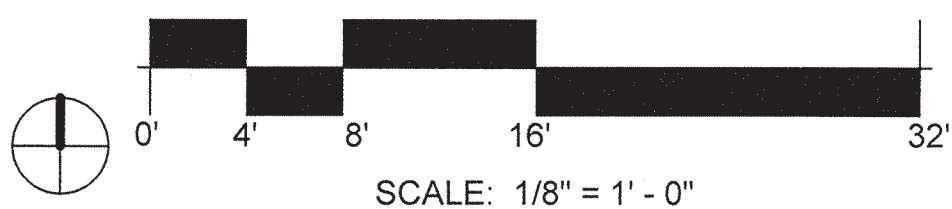
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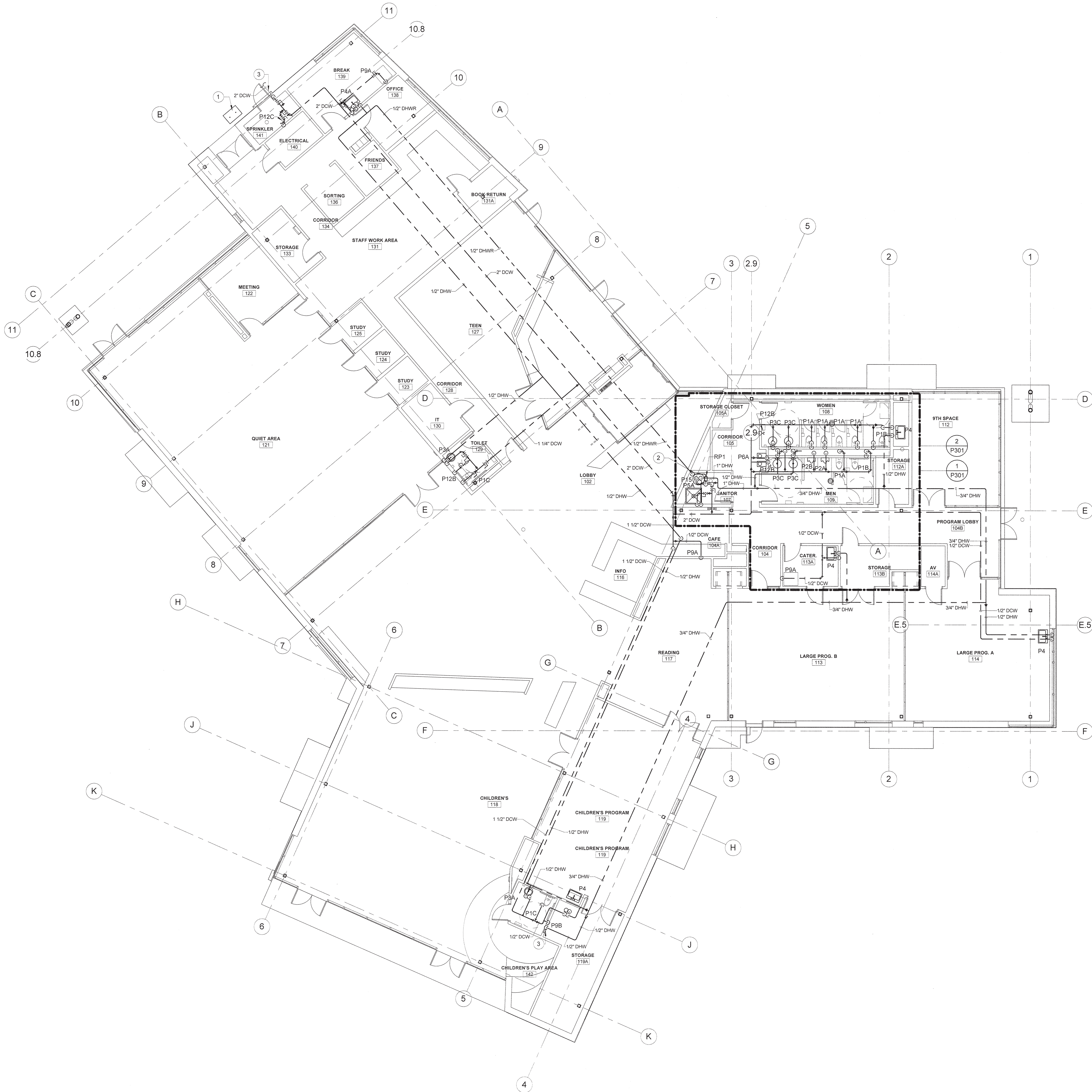
KEYED NOTES:

- 1 SEE SITE PLAN FOR CONTINUATION OF SEWER PIPING.
2 3" VENT THROUGH ROOF.
3 SEE SITE PLAN FOR CONTINUATION OF STORM PIPING.
4 2" VENT THROUGH ROOF.



1 PLUMBING WASTE & VENT PLAN (ALTERNATE #2)
Scale: 1/8" = 1'-0"





1 PLUMBING FLOOR PLAN
Scale: 1/8" = 1'-0"

KEYED NOTES:

- 1 NATURAL GAS METER BY UTILITY COMPANY. COORDINATE LOCATION PRIOR TO BEGINNING WORK.
- 2 ELECTRIC WATER HEATER INSTALLED ON FLOOR.
- 3 1/2"DCW/DHW TO SERVE WALL BOX FOR WASHER MACHINE.



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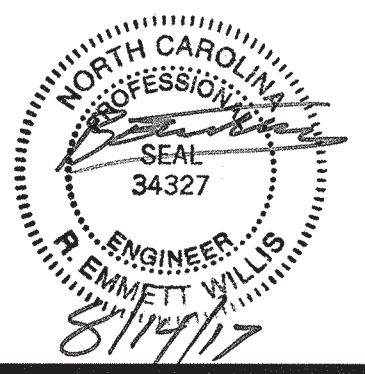
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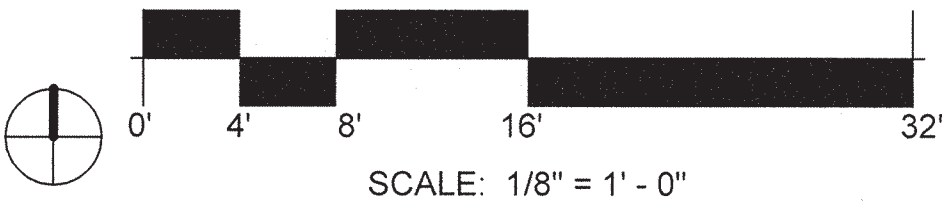
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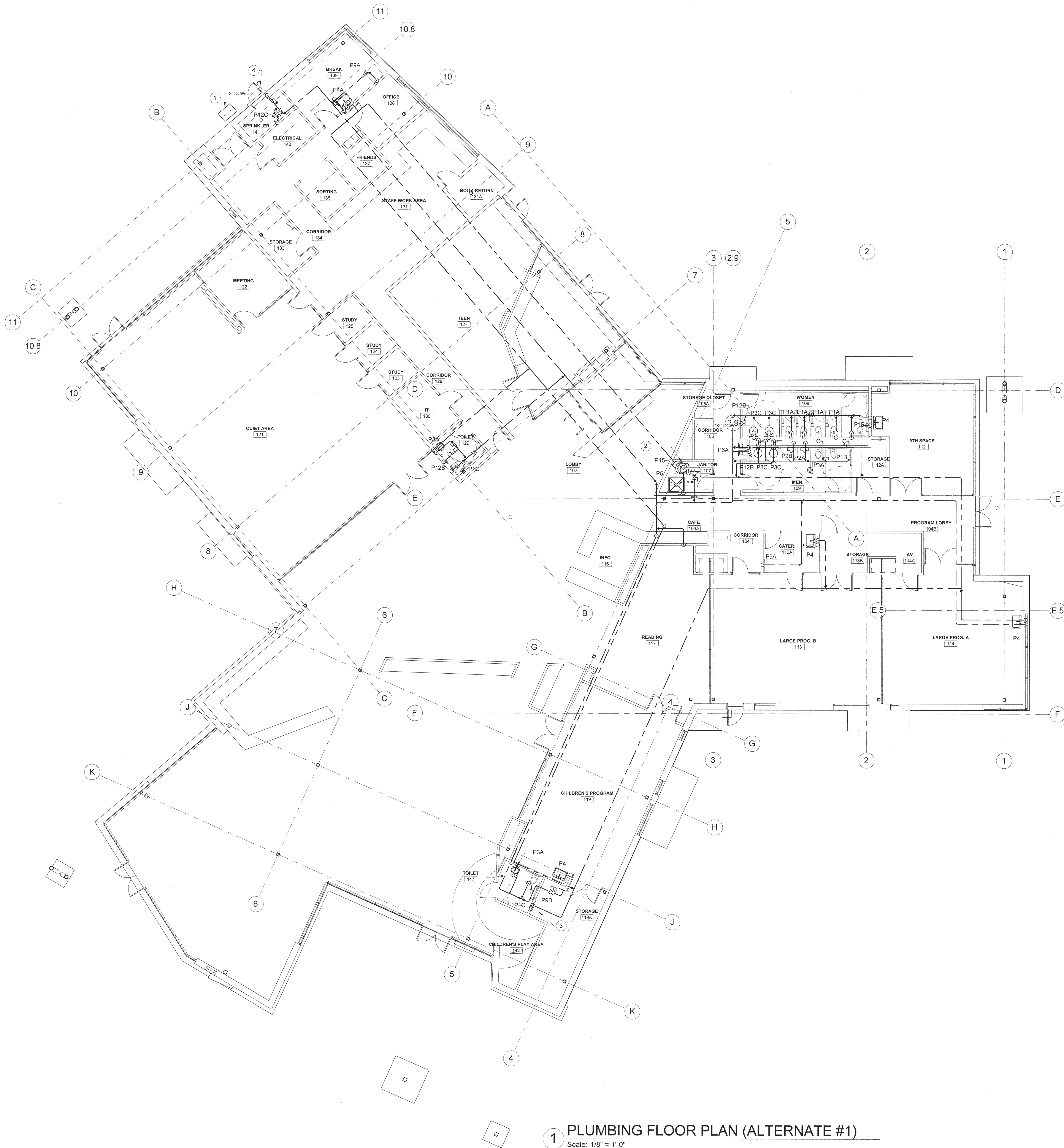
DRAWING TITLE

PLUMBING FIRST
FLOOR PLAN

DRAWING NUMBER

P102





KEYED NOTES:

- 1 NATURAL GAS METER BY UTILITY COMPANY. COORDINATE LOCATION PRIOR TO BEGINNING WORK.
- 2 ELECTRIC WATER HEATER INSTALLED ON FLOOR.
- 3 1/2"DCW/DHW TO SERVE WALL BOX FOR WASHER MACHINE.
- 4 SEE SITE PLAN FOR CONTINUATION OF DCW PIPING.

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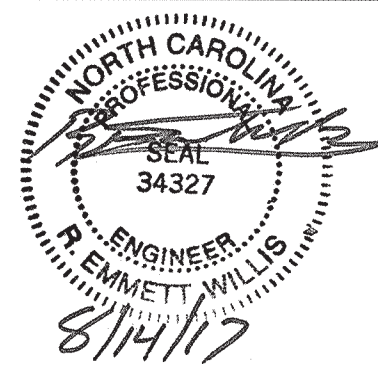
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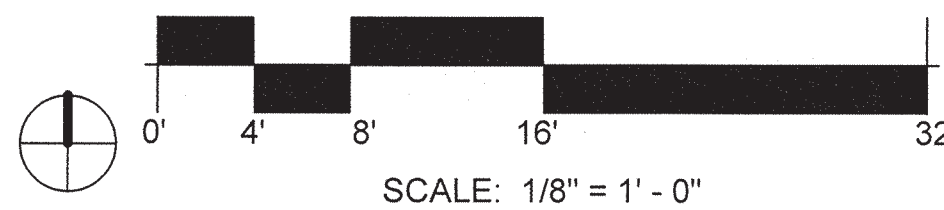
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PLUMBING FIRST
FLOOR PLAN
(ALTERNATE #1)

DRAWING NUMBER

P102A

1 PLUMBING FLOOR PLAN (ALTERNATE #1)
Scale: 1/8" = 1'-0"



KEYED NOTES:

- 1 ELECTRIC WATER HEATER INSTALLED ON FLOOR.
- 2 SEE SITE PLAN FOR CONTINUATION OF DCW PIPING.
- 3 NATURAL GAS METER BY UTILITY COMPANY. COORDINATE LOCATION PRIOR TO BEGINNING WORK.
- 4 1/2"DCW/DHW TO SERVE WALL BOX FOR WASHER MACHINE.

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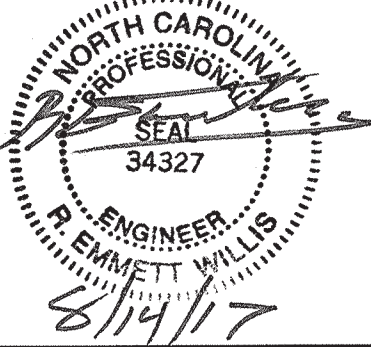
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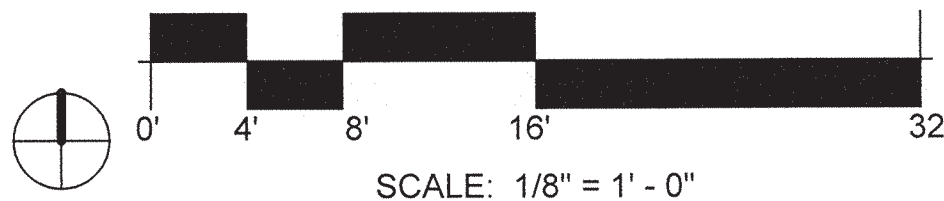
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DRAWING TITLE

PLUMBING FIRST
FLOOR PLAN
(ALTERNATE #2)

DRAWING NUMBER

P102B



1 PLUMBING FLOOR PLAN (ALTERNATE #2)

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

KEYED NOTES:

1 TURN DOWN GAS PIPING INTO RISER ROOM.

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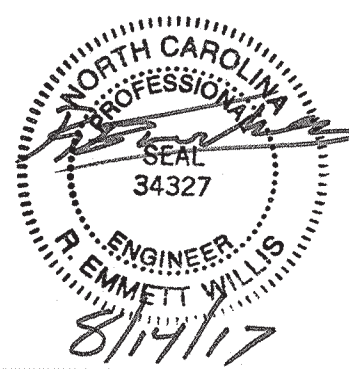
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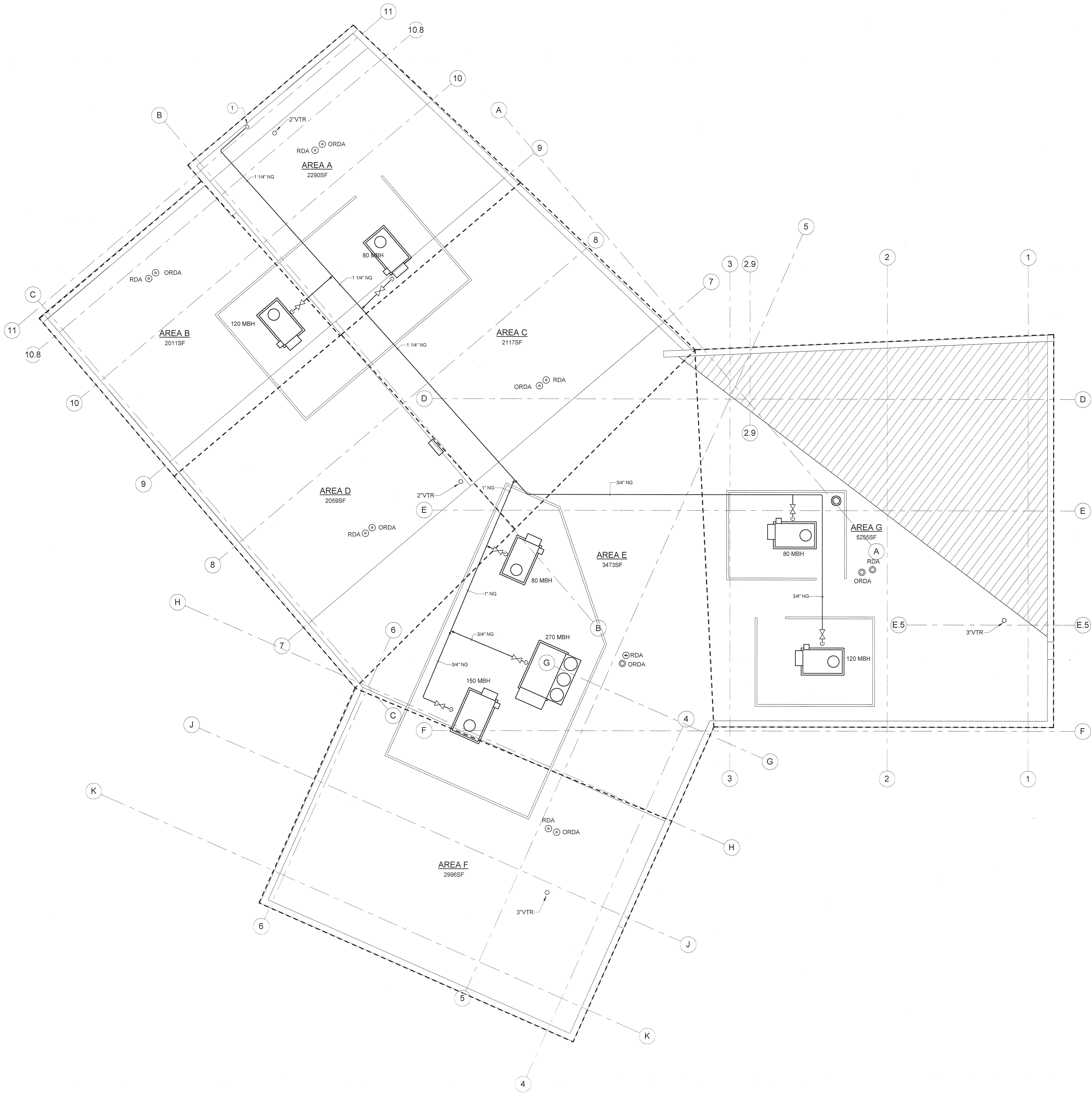
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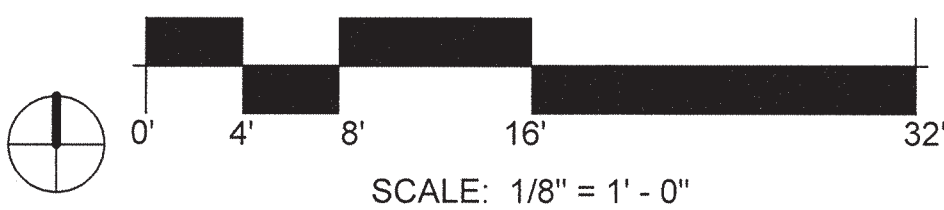
ROOF PLAN -
PLUMBING

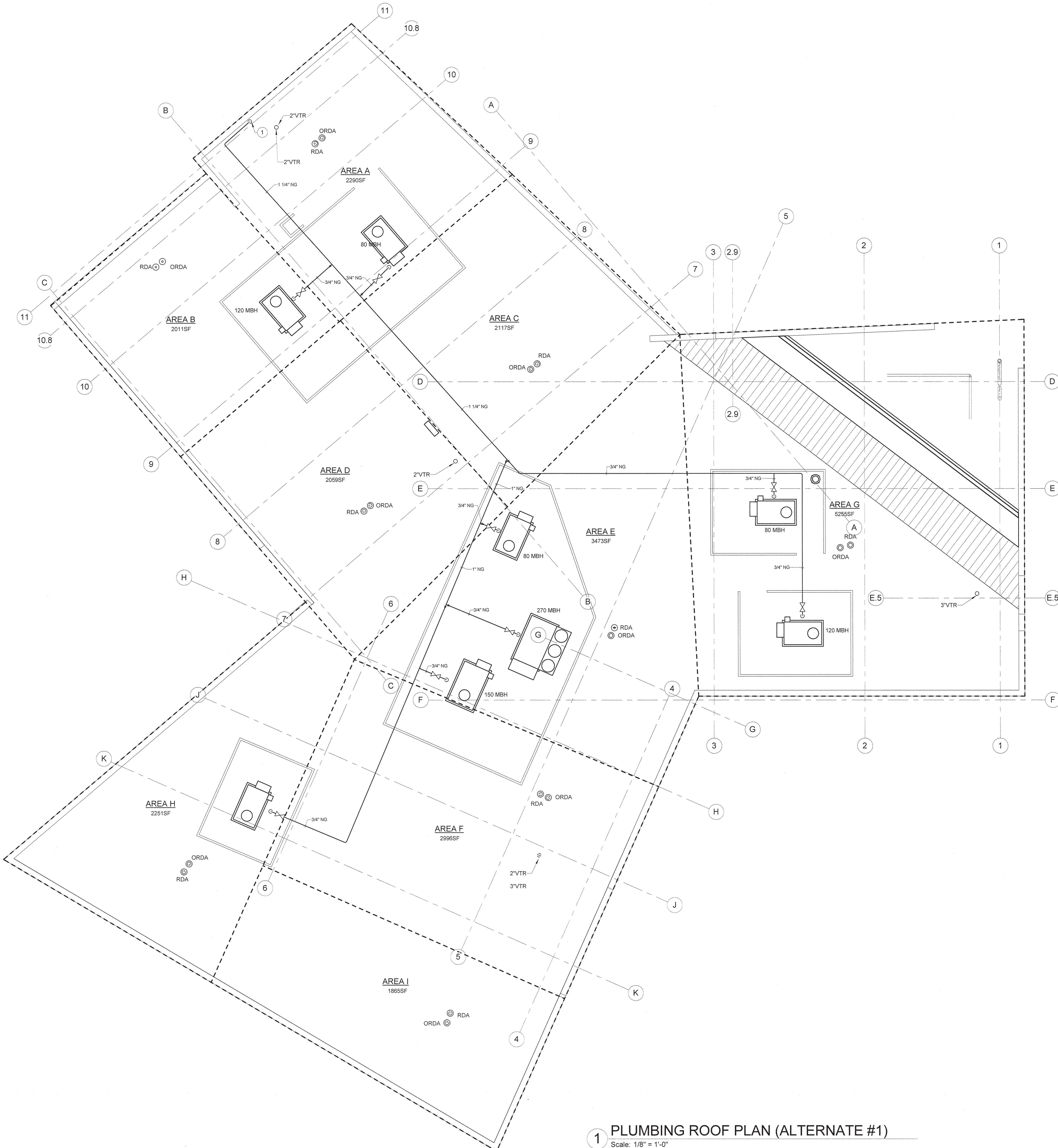
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1 PLUMBING ROOF PLAN
Scale: 1/8" = 1'-0"





KEYED NOTES:

1 TURN DOWN GAS PIPING INTO RISER ROOM.

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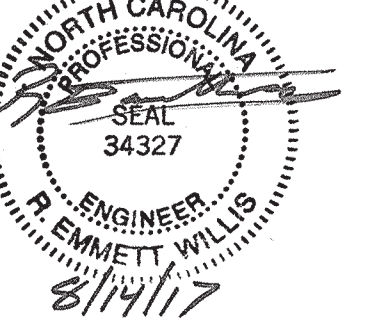
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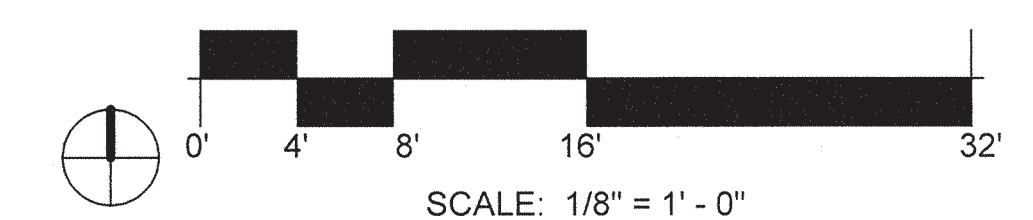
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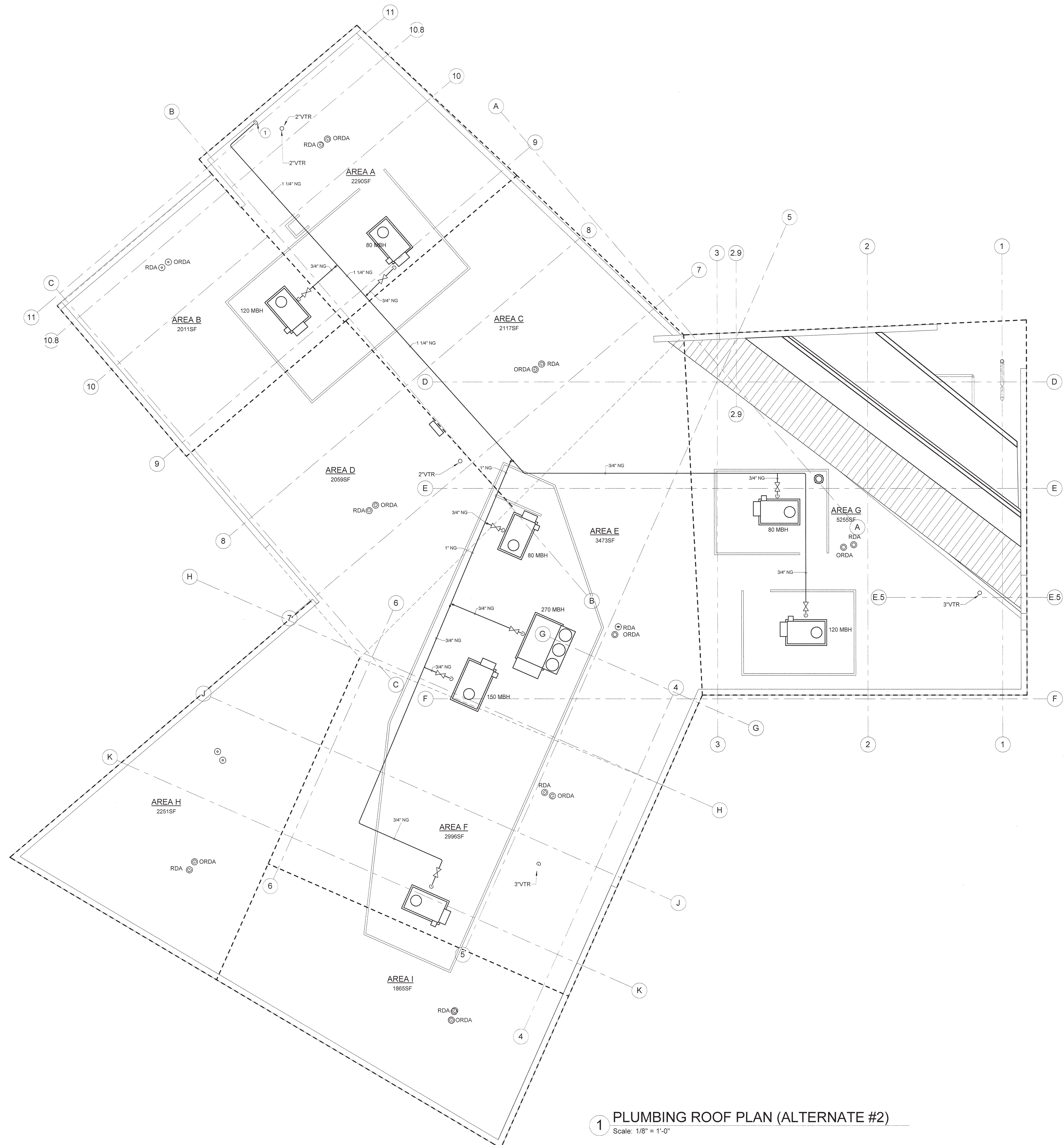
ROOF PLAN -
PLUMBING
(ALTERNATE #1)

DRAWING NUMBER

P201A

1 PLUMBING ROOF PLAN (ALTERNATE #1)
Scale: 1/8" = 1'-0"





KEYED NOTES:
1 TURN DOWN GAS PIPING INTO RISER ROOM.



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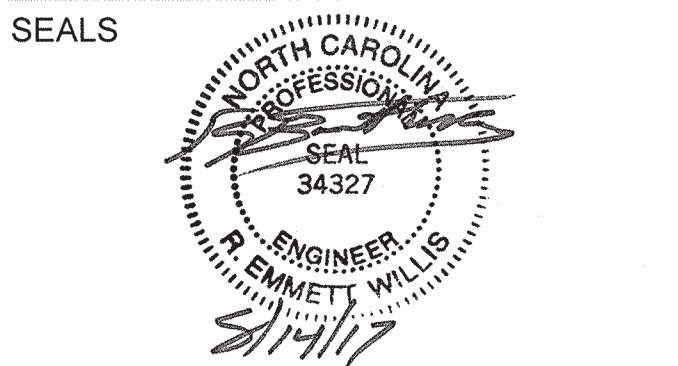
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DRAWING TITLE
ROOF PLAN -
PLUMBING
(ALTERNATE #2)

DRAWING NUMBER
P201B

1 PLUMBING ROOF PLAN (ALTERNATE #2)
Scale: 1/8" = 1'-0"





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PLUMBING LARGE
SCALE PLANS

P301







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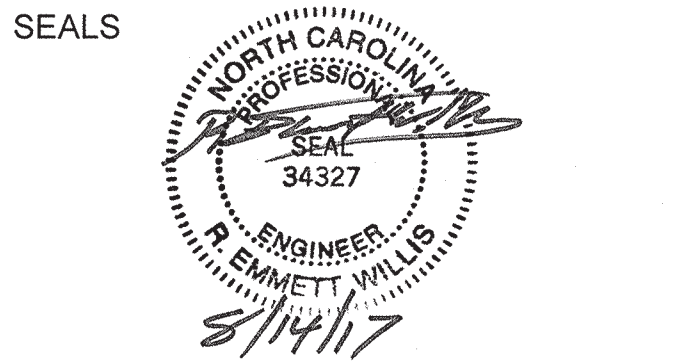
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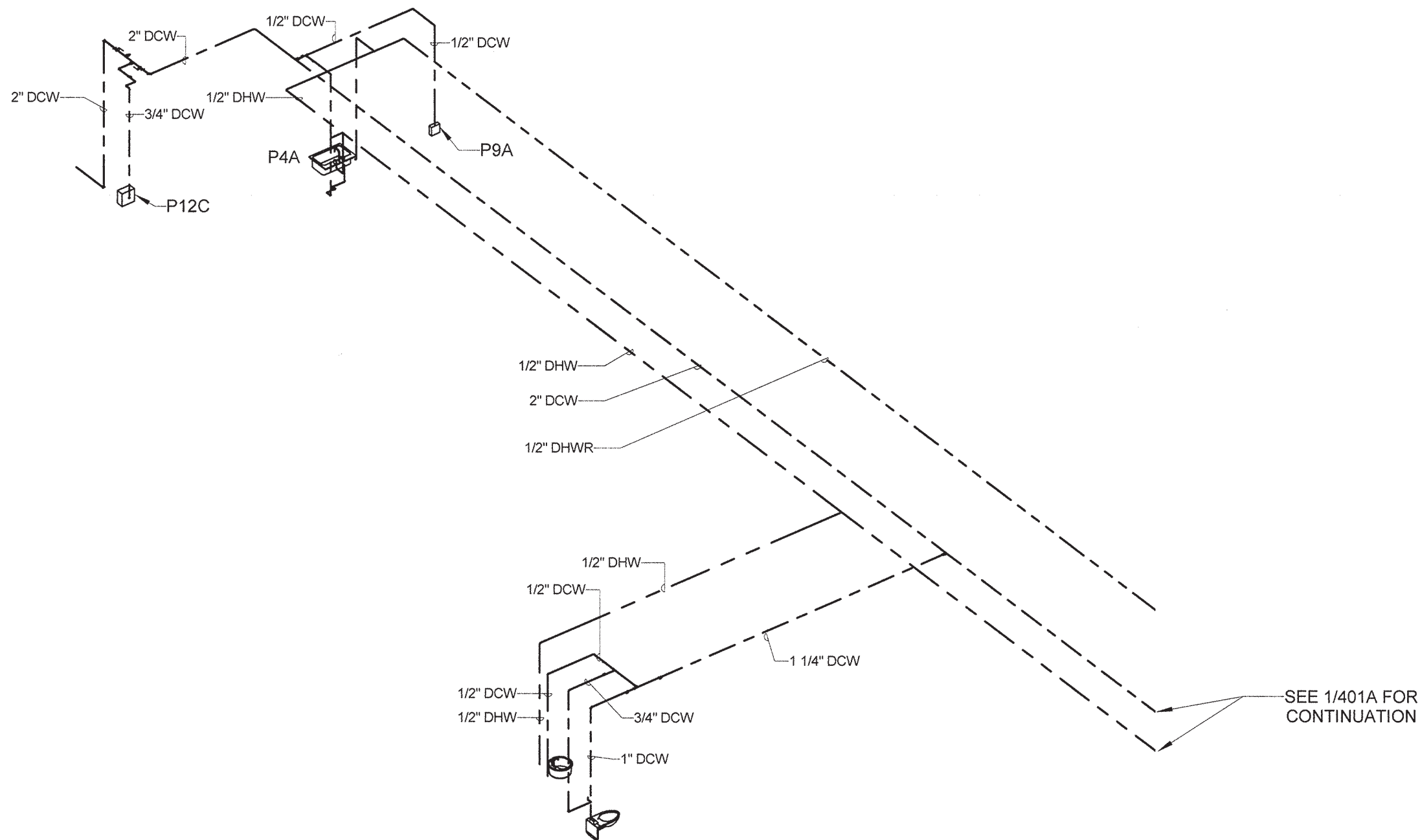
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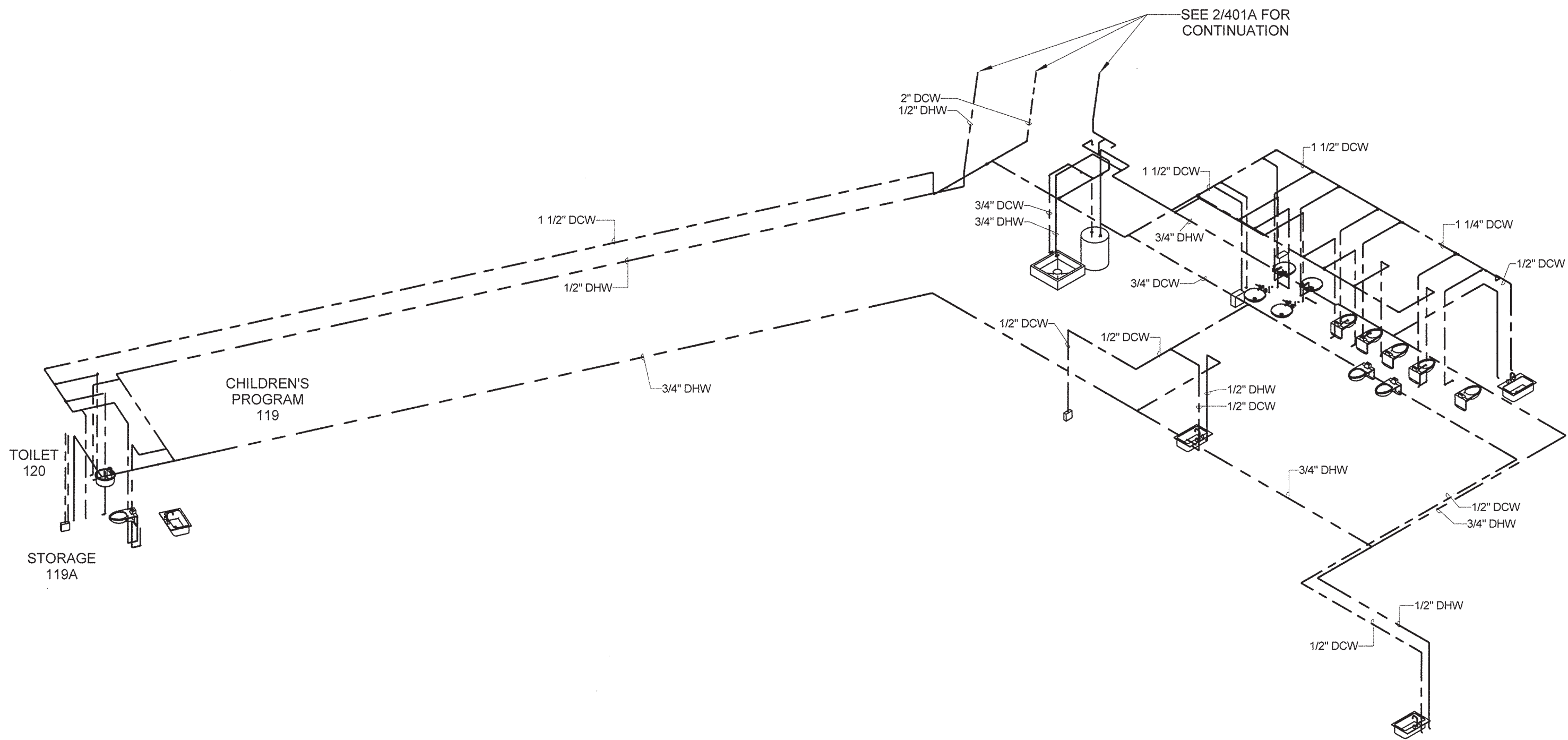
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PROJECT PINE VALLEY BRANCH
DEI PROJECT # 50090277
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(ALTERNATE #1)**

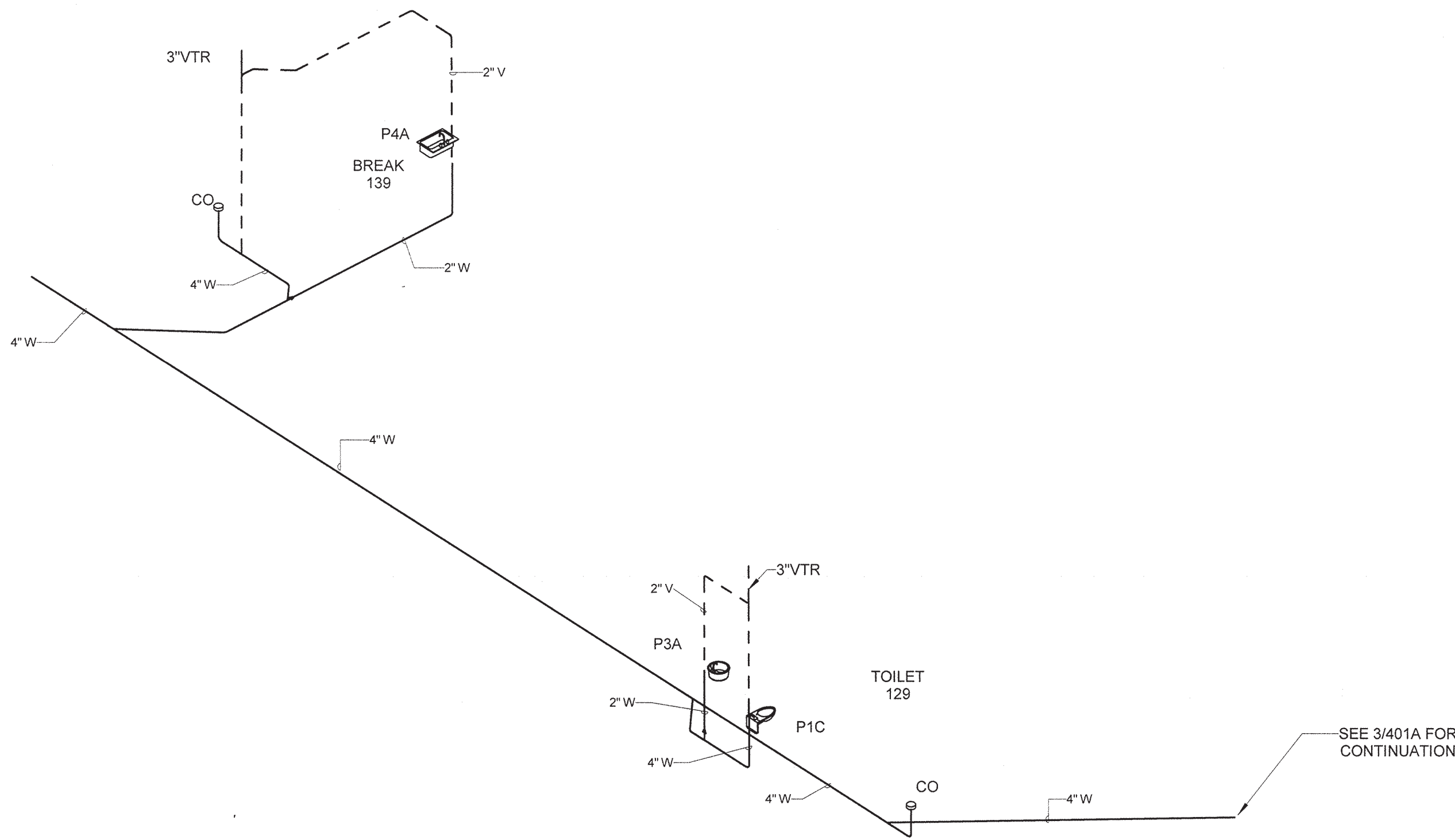
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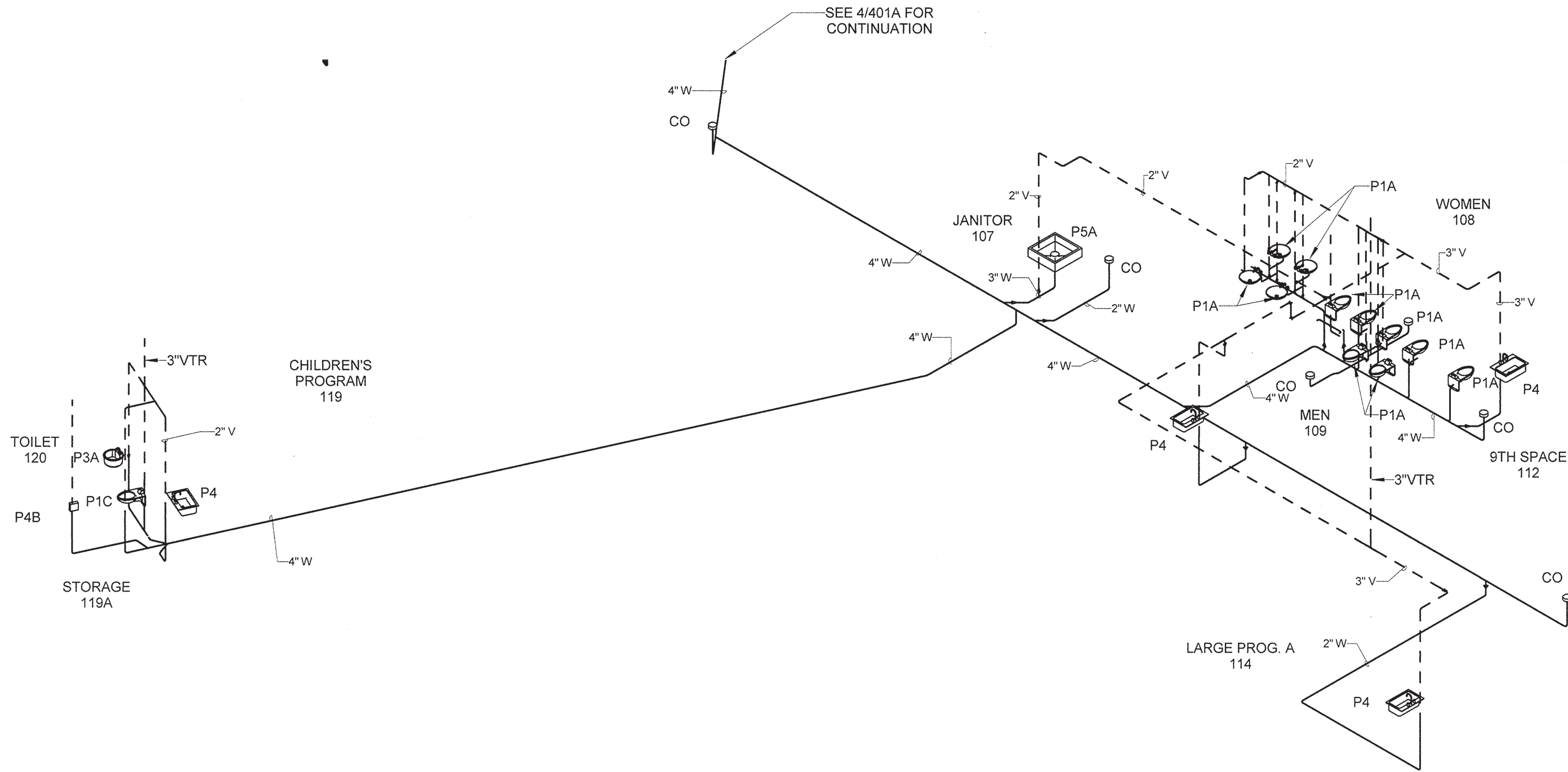
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Scale: N.T.S.



1 DOMESTIC COLD AND HOT WATER RISER (ALTERNATE #1)
Scale: N.T.S.




4 WASTE & VENT RISER (ALTERNATE #1)
Scale: N.T.S.



3 WASTE & VENT RISER (ALTERNATE #1)
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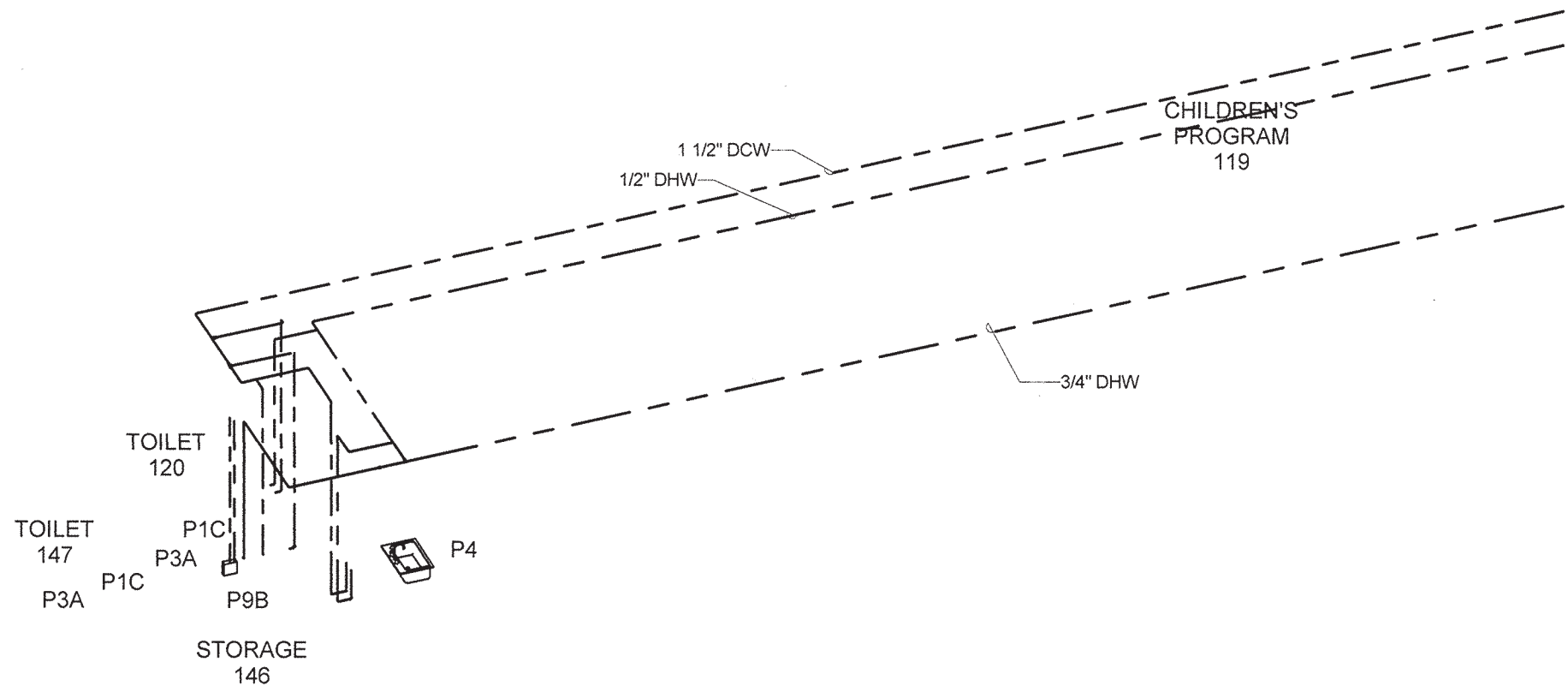
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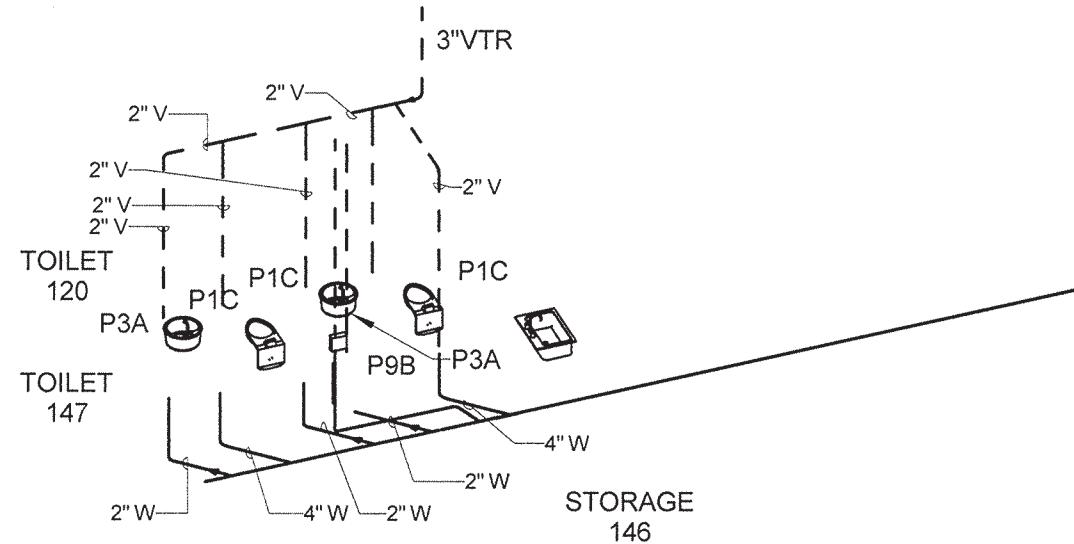
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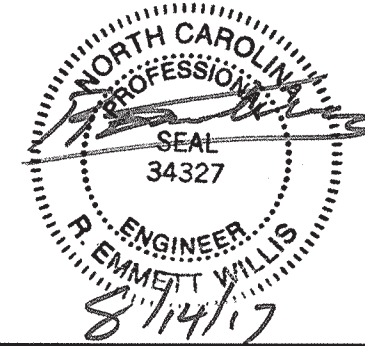
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2 WASTE & VENT RISER (ALTERNATE #2)
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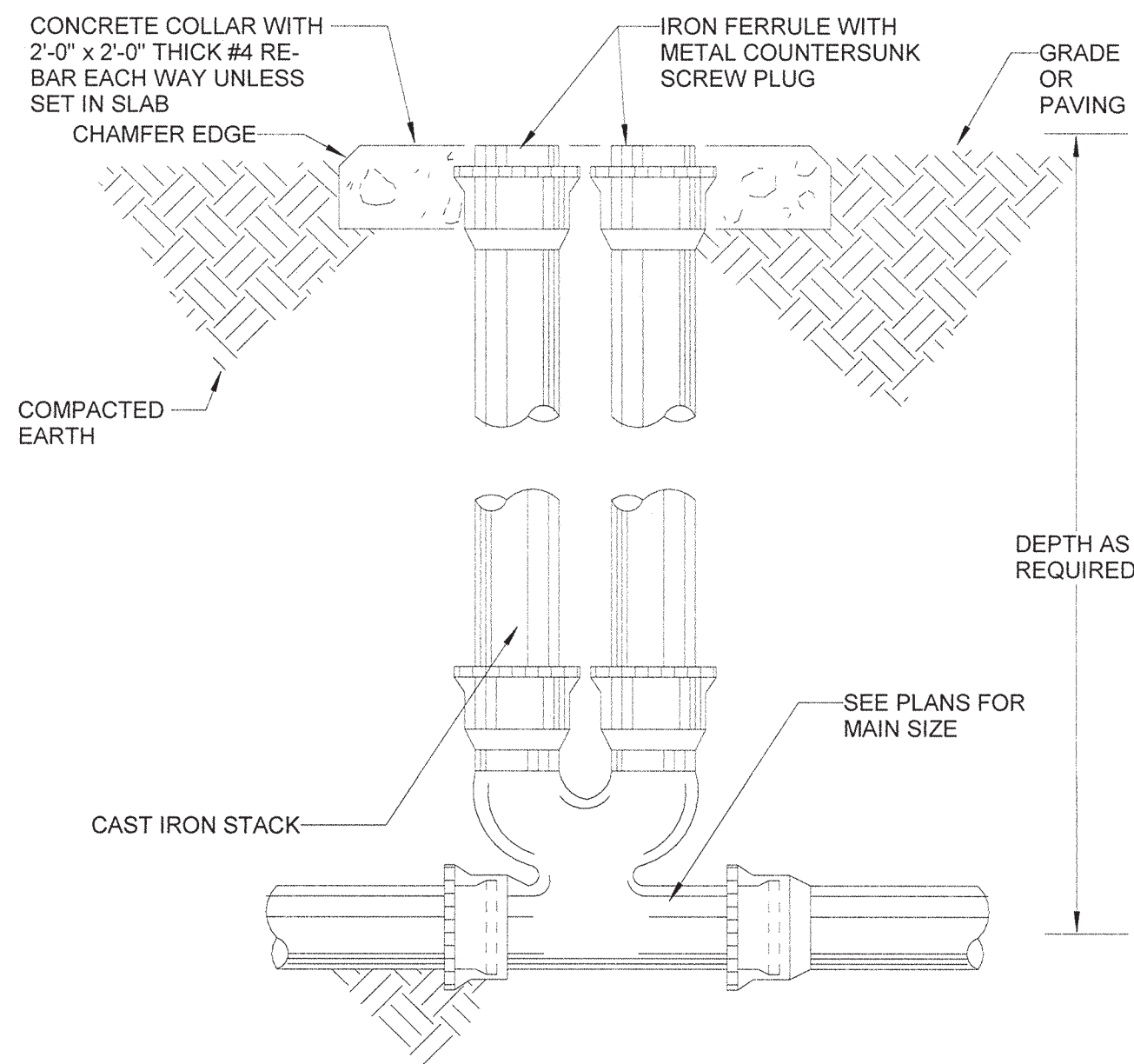
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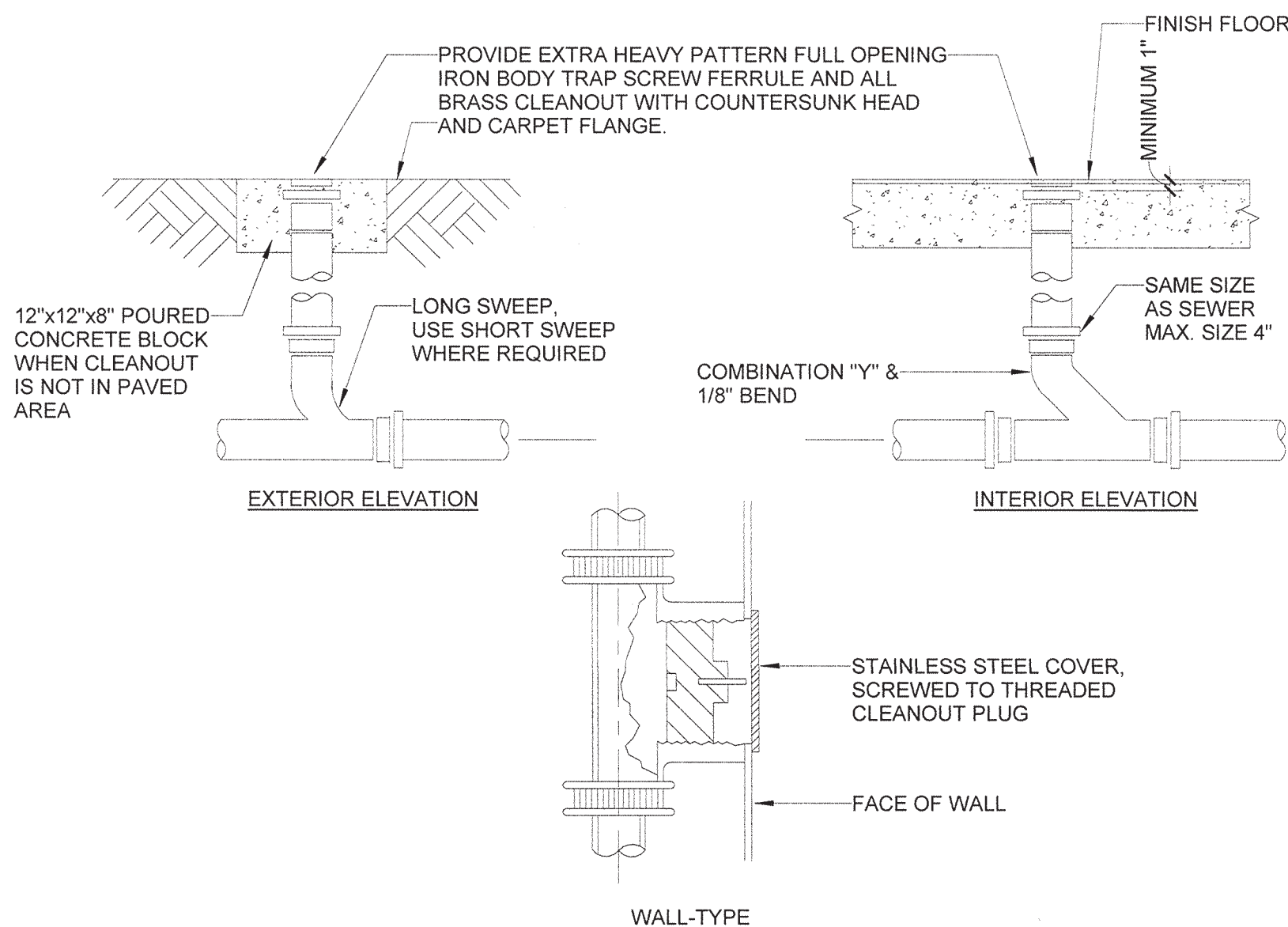
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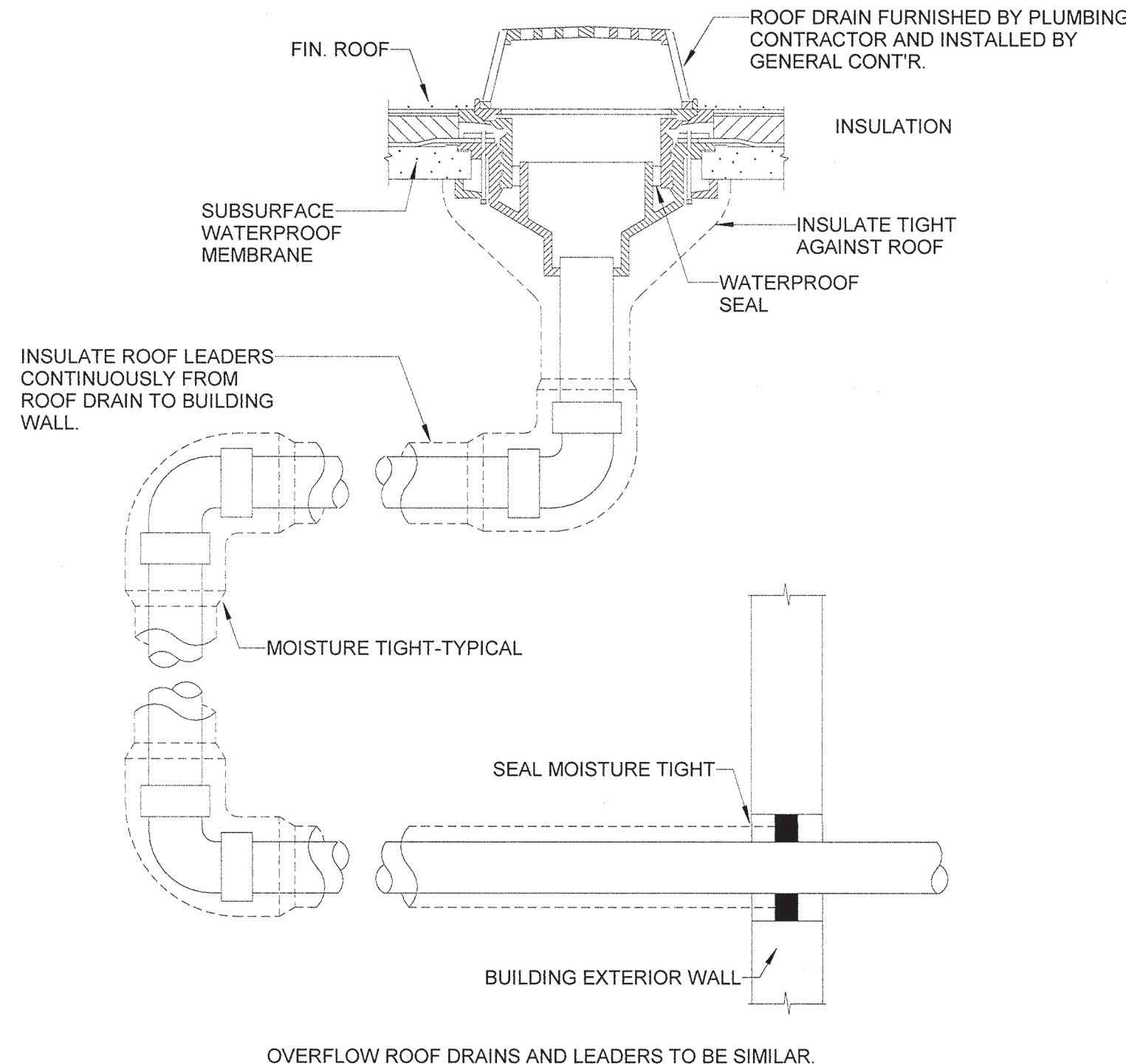
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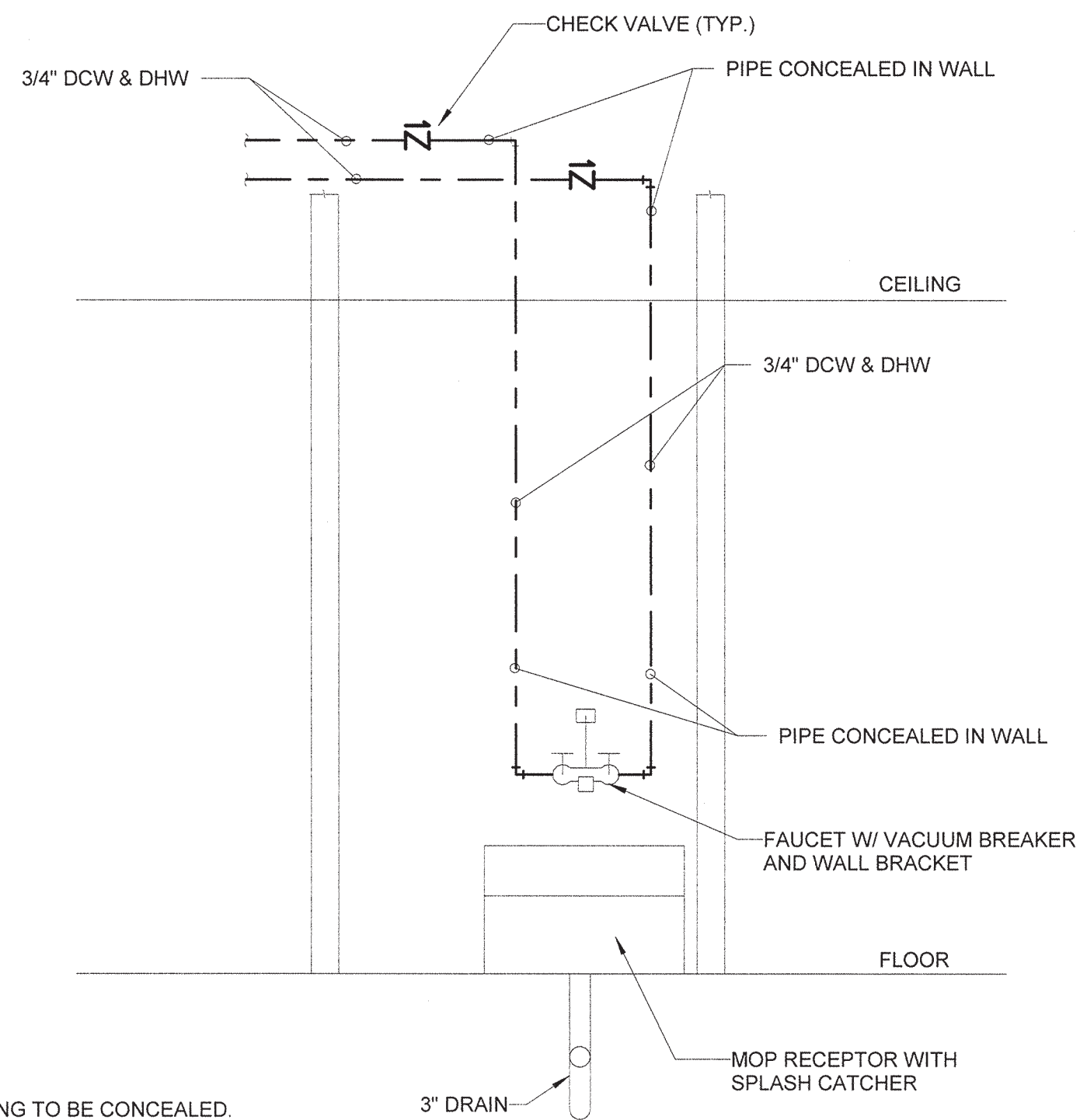
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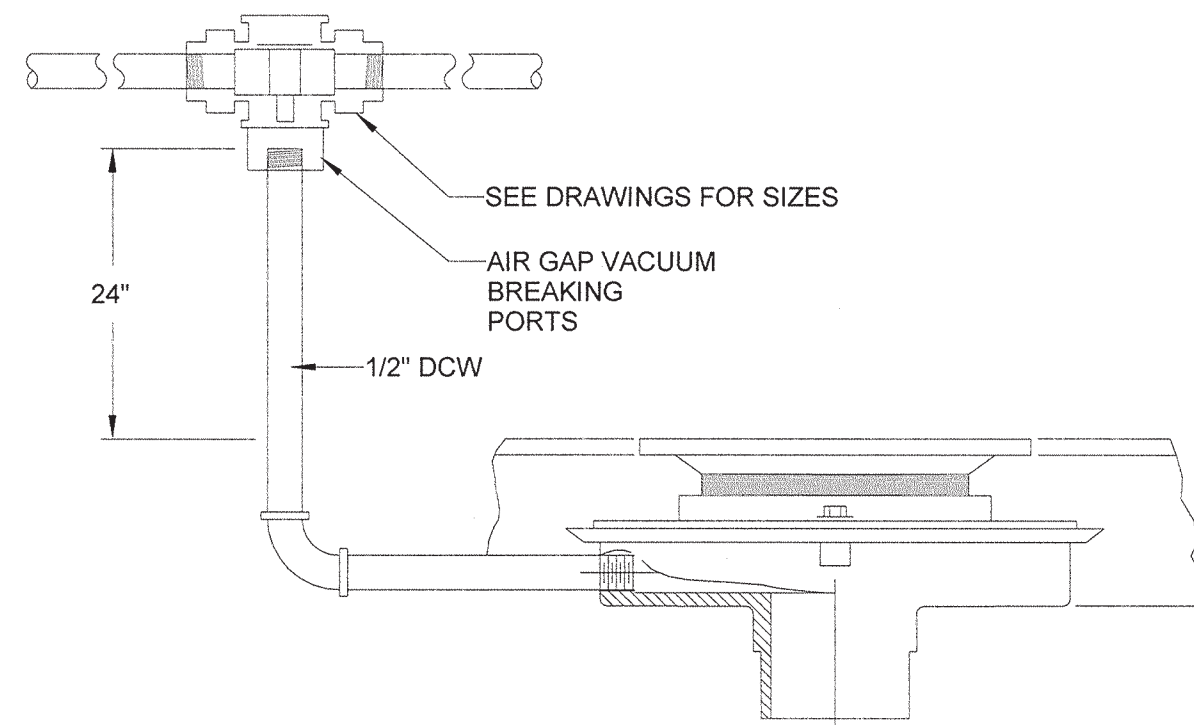
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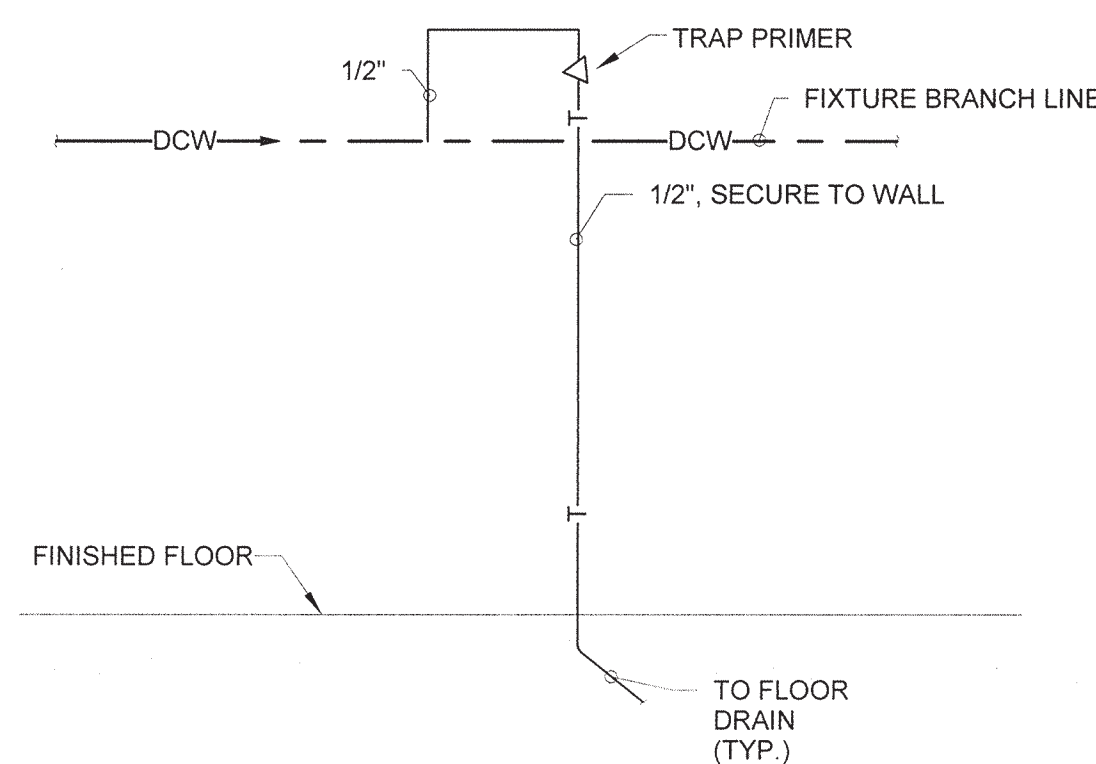
3 ROOF DRAIN AND ROOF LEADER DETAIL
Scale: N.T.S.



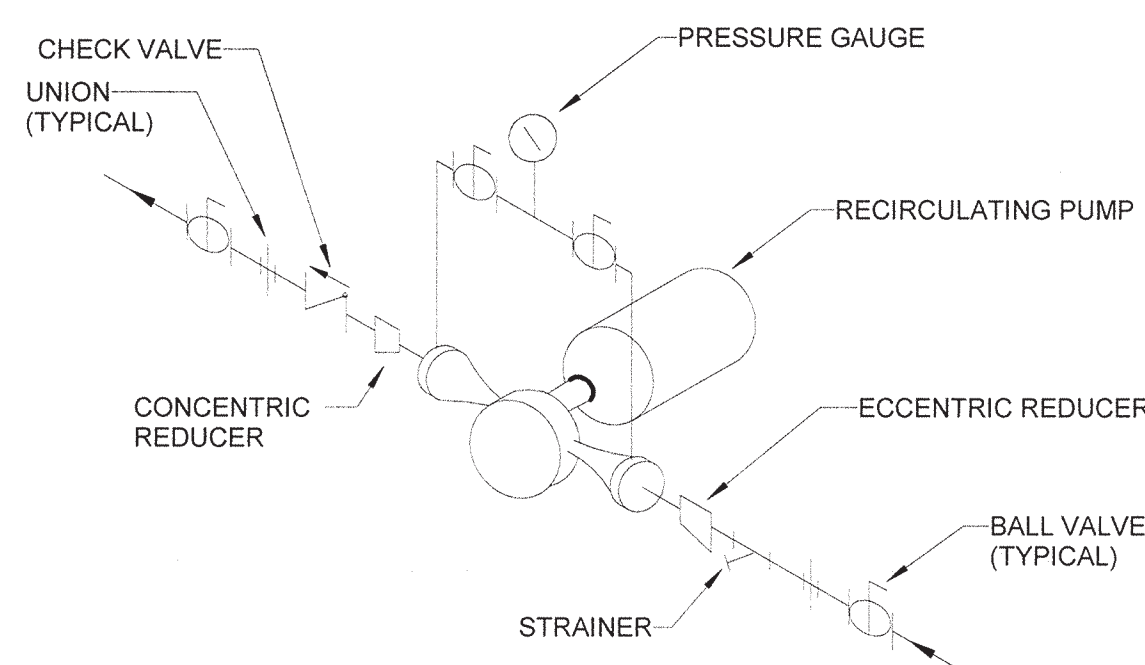
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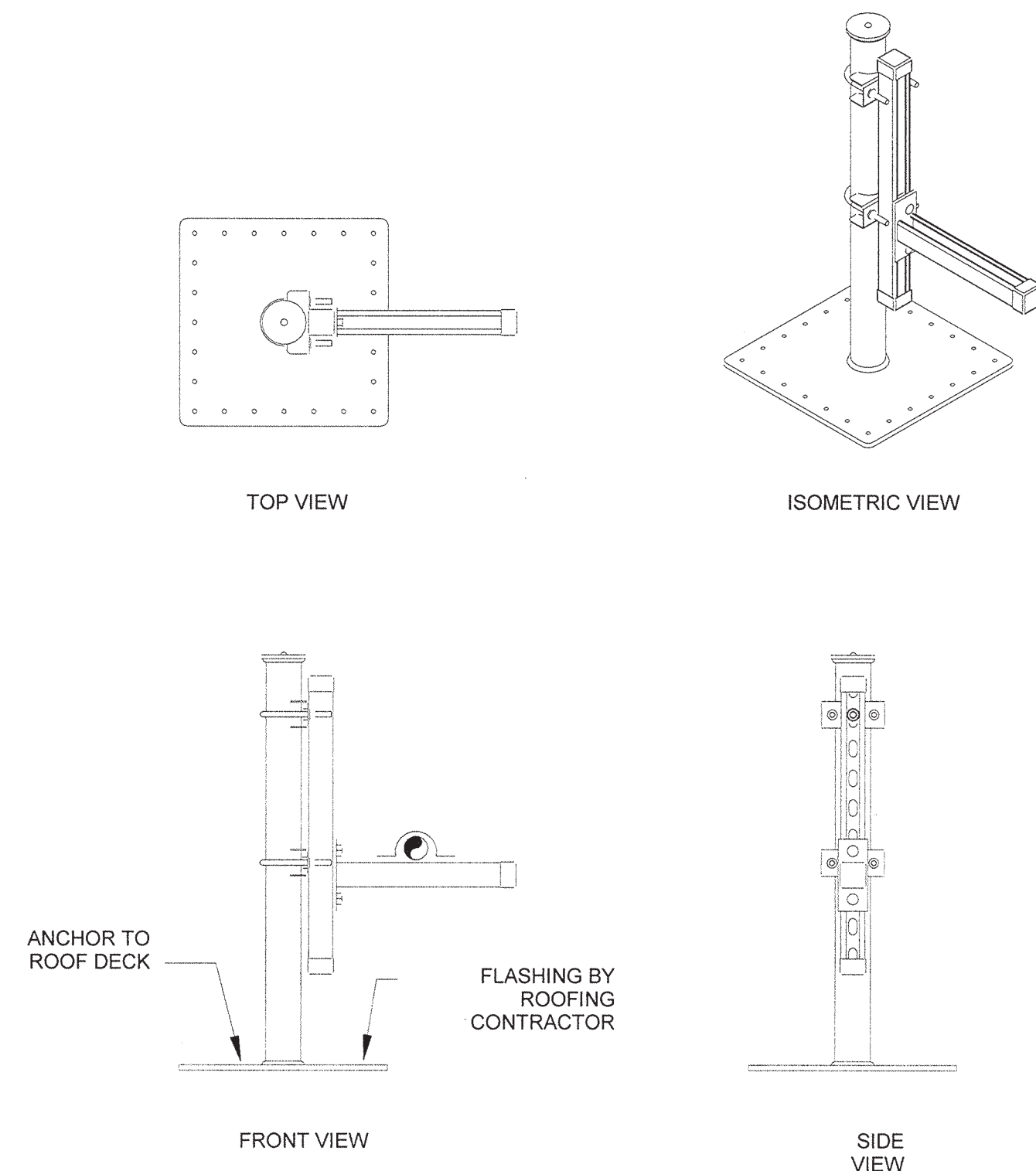
5 TRAP PRIMER CONNECTION DETAIL
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6 AUTOMATIC TRAP PRIMER DETAIL
Scale: N.T.S.



7 TYPICAL IN-LINE PUMP DETAIL
Scale: N.T.S.

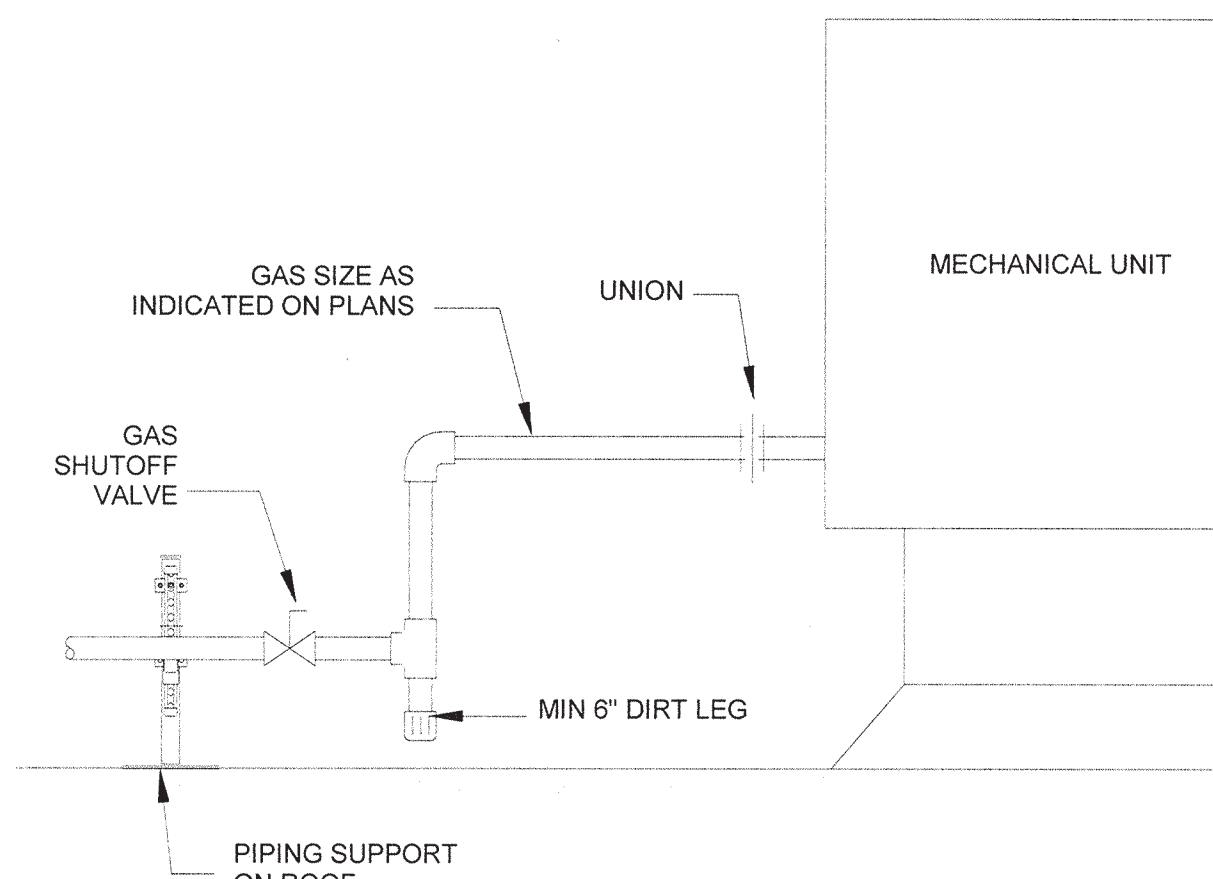


8 GAS & CONDENSATE ROOF SUPPORT DETAIL
Scale: 12" = 1'-0"

NOTES :

1. PIPING SHALL BE SUPPORTED AT ALL ELBOWS AND TEES AND AT SPACING SPECIFIED IN THE TABLE BELOW. PIPING SHALL BE SLOPED AND ROUTED TO PREVENT TRAPPING CONDENSATE (EXCEPT AT DIRT LEGS) AND TO FACILITATE CONDENSATE DRAINAGE.
2. GAS PIPING AND PENETRATIONS THRU ROOF SHALL BE CALLED FOR IN SPEC. SECTIONS 22 & 23 OR AS REQUIRED BY LOCAL CODES.
3. PIPE STAND SHALL BE MIRO, INC. OR EQUAL STANCHIONED SINGLE PIPE SUPPORT.
4. STANCHIONED PIPE SUPPORTS SHALL BE ENGINEERED TO ENSURE MEMBER/ COMPONENT CAPACITIES AND DEFLECTION CRITERIA ARE NOT EXCEEDED. DEFLECTION IN THE HORIZONTAL HEADER BAR IS NOT TO EXCEED THE SPAN LENGTH BY 360 OR 1/8.
5. STANCHIONED PIPE SUPPORTS ALLOW ADJUSTABLE HEIGHT AS DESIRED OR REQUIRED BY THE CODE OR ROOF SYSTEM.
6. ALL METAL PARTS SHALL BE HOT DIP GALVANIZED
7. STANCHIONED SUPPORTS SHALL MEET PROJECT WIND AND SEISMIC REQUIREMENTS.
8. ANCHOR SUPPORTS TO ROOF DECK.

PIPE SIZE	MAX. SPACING
3/4"	5'
1"	6'
1-1/4"	7'
1-1/2"	9'
2"	10'
2-1/2"	10'
3"	10'



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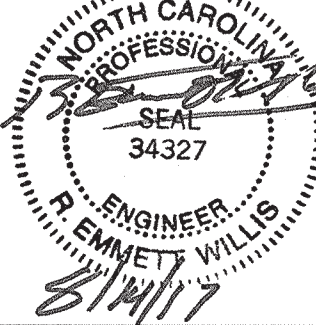
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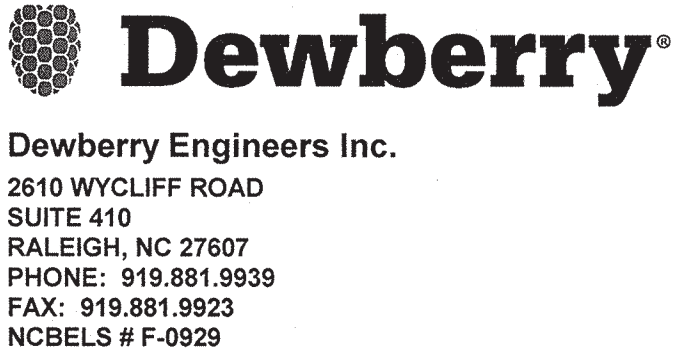
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PLUMBING DETAILS

DRAWING NUMBER

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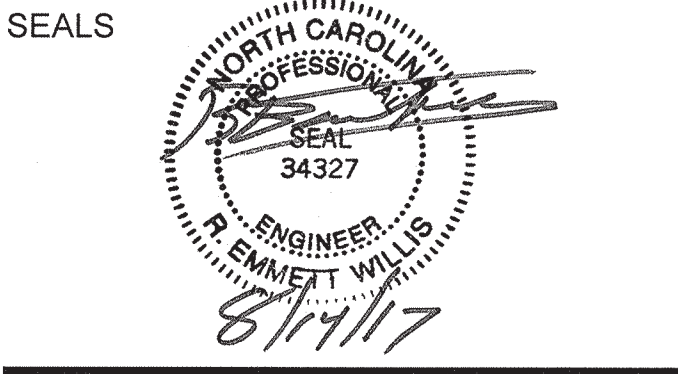
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PLUMBING
SCHEDULES

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P601

EXPANSION TANK SCHEDULE									
SYMBOL	MANUFACTURER	MODEL	TANK VOULUME (GAL)	ACCEPTANCE VOULUME (GAL)	INLET (IN)	DIAMETER (IN)	HEIGHT (IN)	WEIGHT (lbs)	REMARKS
EXP1	WATTS	DETA-5	3.5	2.3	3/4	10	14	22	PRESSURIZED EXPANSION TANK FOR POTABLE HOT WATER. BLADDER TYPE, PRECHARGED TO 40 PSI, MAX. OPERATING PRESSURE 150 PSI.

PUMP SCHEDULE												
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	SUCTION DISCHARGE	HEAD (FT OF WATER)	MOTOR DATA						REMARKS
						HP	VOLTS	PHASE	HERTZ	RPM	F.L.A.	
RP1	DOMESTIC HOT WATER RE-CIRCULATING PUMP	BELL & GOSSETT	PL-38B	1"	-	1/6	115	1	60	3300	2.1	BONZE BOOSTER PUMP

PLUMBING FIXTURE SCHEDULE									
SYMBOL	DESCRIPTION	DHW	DCW	WASTE	VENT	FIXTURE			
P1A	WATER CLOSET WALL MOUNTED ADA	-	1"	4"	2"	FLUSH VALVE:	AMERICAN STANDARD NO. 2294 011EC ELONGATED BOWL, SIPHON JET ACTION, TOP SPUD, 1.6 GPF. ZURN Z8000AV-W31-0F, DUAL FLUSH W/WALL PLATE WITH INSTRUCTIONS, LOW CONSUMPTION 1.6 / 1.1 GPF, VACUUM BREAKER, CLOG RESISTANT BY-PASS, VANDAL RESISTANT STOP CAP.		
	REFER TO ARCH. DWGS FOR ADA MOUNTING REQUIREMENTS					SEAT:	BEMIS NO. 2155SCT, WHITE SOLID PLASTIC, ELONGATED, OPEN FRONT, NO COVER, BUMPERS, ANTIMICROBIAL PROTECTION, STAINLESS STEEL SELF-SUSTAINING CHECK HINGE, "STA-TITE" FASTENING SYSTEM.		
						CARRIER:	ZURN Z-1203-N ADJUSTABLE, SIPHON JET WATER CLOSET NO-HUB "RIGID" SYSTEM.		
						FIXTURE:	AMERICAN STANDARD NO. 2294 011EC ELONGATED BOWL, SIPHON JET ACTION, TOP SPUD, 1.6 GPF. ZURN Z8000AV-W31-0F, DUAL FLUSH W/WALL PLATE WITH INSTRUCTIONS, LOW CONSUMPTION 1.6 / 1.1 GPF, VACUUM BREAKER, CLOG RESISTANT BY-PASS, VANDAL RESISTANT STOP CAP.		
P1B	WATER CLOSET WALL MOUNTED	-	1"	4"	2"	FLUSH VALVE:	AMERICAN STANDARD NO. 2294 011EC ELONGATED BOWL, SIPHON JET ACTION, TOP SPUD, 1.6 GPF. ZURN Z8000AV-W31-0F, DUAL FLUSH W/WALL PLATE WITH INSTRUCTIONS, LOW CONSUMPTION 1.6 / 1.1 GPF, VACUUM BREAKER, CLOG RESISTANT BY-PASS, VANDAL RESISTANT STOP CAP.		
	REFER TO ARCH. DWGS FOR MOUNTING REQUIREMENTS					SEAT:	BEMIS NO. 2155SCT, WHITE SOLID PLASTIC, ELONGATED, OPEN FRONT, NO COVER, BUMPERS, ANTIMICROBIAL PROTECTION, STAINLESS STEEL SELF-SUSTAINING CHECK HINGE, "STA-TITE" FASTENING SYSTEM.		
						CARRIER:	ZURN Z-1203-N ADJUSTABLE, SIPHON JET WATER CLOSET NO-HUB "RIGID" SYSTEM.		
						FIXTURE:	AMERICAN STANDARD 2599 001 "MADERA YOUTH", ELONGATED BOWL, 1.6 GPF, FLOOR MOUNTED, 14" HIGH, VITREOUS CHINA, COLOR WHITE.		
P1C	WATER CLOSET FLOOR MOUNTED	-	1"	4"	2"	FLUSH VALVE:	ZURN Z8000AV-W31-0F, DUAL FLUSH W/WALL PLATE WITH INSTRUCTIONS, LOW CONSUMPTION 1.6 / 1.1 GPF, VACUUM BREAKER, CLOG RESISTANT BY-PASS, VANDAL RESISTANT STOP CAP.		
						SEAT:	BEMIS NO. 2155SCT, WHITE SOLID PLASTIC, ELONGATED, OPEN FRONT, NO COVER, BUMPERS, ANTIMICROBIAL PROTECTION, STAINLESS STEEL SELF-SUSTAINING CHECK HINGE, "STA-TITE" FASTENING SYSTEM.		
						FIXTURE:	AMERICAN STANDARD 6501 010 "WASHBROOK", 1.0 GPF, WALL HUNG, VITREOUS CHINA, COLOR WHITE.		
						FLUSH VALVE:	ZURN ZEM6003AV-M08-VP-HW6, AUTOMATIC SENSOR, MANUAL OVERRIDE, LOW CONSUMPTION 1 GPF, VANDAL RESISTANT STOP SCREW.		
P2B	URINAL ADA	-	3/4"	2"	2"	FLUSH VALVE:	AMERICAN STANDARD 6501 010 "WASHBROOK", 1.0 GPF, WALL HUNG, VITREOUS CHINA, COLOR WHITE.		
	REFER TO ARCH. DWGS FOR ADA MOUNTING REQUIREMENTS					FLUSH VALVE:	ZURN ZEM6003AV-M08-VP-HW6, AUTOMATIC SENSOR, MANUAL OVERRIDE, LOW CONSUMPTION 1 GPF, VANDAL RESISTANT STOP SCREW.		
						FAUCET:	AMERICAN STANDARD 4869 004 ENAMELED CAST IRON, 20"x18", GLOSSY PORCELAIN FINISH, FRONT OVERFLOW, FAUCET HALES ON 4" CENTERS.		
						TRIM:	MCQUIRE 8902 P-TRAP, MCQUIRE 187 SUPPLIES WITH LOOSE KEY STOPS, MCQUIRE 155A STRAINER, MCQUIRE PW2000 INSULATION KIT FOR P-TRAP & SUPPLIES.		
P3A	WALL MOUNTED LAVATORY ADA REFER TO ARCH. DWGS FOR ADA MOUNTING REQUIREMENTS	1/2"	1/2"	2"	2"	INSUL COVER:	TRUEBERG LAVAGUARD INSULATING KIT INCLUDING TRAP, WALL BEND, TAIL PIECE AND SUPPLY COVERS.		
						FAUCET:	KOHLER CAXTON K-2211-G, NOM. DIMENSIONS 20"x17", UNDER MOUNT, VITREOUS CHINA, COLOR WHITE.		
						TRIM:	MCQUIRE 8902 P-TRAP, MCQUIRE 187 SUPPLIES WITH LOOSE KEY STOPS, MCQUIRE 155A STRAINER, MCQUIRE PW2000 INSULATION KIT FOR P-TRAP & SUPPLIES.		
						INSUL COVER:	TRUEBERG LAVAGUARD INSULATING KIT INCLUDING TRAP, WALL BEND, TAIL PIECE AND SUPPLY COVERS.		
P3C	UNDER MOUNT TOP LAVATORY ADA	1/2"	1/2"	2"	2"	FAUCET:	MOEN NO. 8544C, SENSOR OPERATED METERING FAUCET, CHROME PLATED BRASS TUBING TO WALL WITH ESCUTCHEON.		
						TRIM:	MCQUIRE 8902 P-TRAP, MCQUIRE 187 SUPPLIES WITH LOOSE KEY STOPS, MCQUIRE 155A STRAINER, MCQUIRE PW2000 INSULATION KIT FOR P-TRAP & SUPPLIES.		
						FIXTURE:	JUST NO. SLN-ADA-2122-A-GR, 21W x 22" FRONT TO BACK, 5-1/2" DEEP, 18 GAUGE, 3/4" SS, SELF-RIMMING, NOM. UNDERCOATED, 3 HOLE @ 4" CENTERS, LK18 GRID DRAIN WITH TAILPIECE.		
						FAUCET:	MOEN NO. CA87551 SERIES, SINGLE LEVER, DECK MOUNTED SWIVEL, GOOSENECK FAUCET, LEAD FREE, 4" WRIST BLADE HANDLES, 1.5 GPM AERATED SPRAY STREAM.		
P5A	MOP RECEPTOR	3/4"	3/4"	3"	1-1/2"	FIXTURE:	STERN WILLIAMS NO. SB-702-BP, 32"x32"x12" HIGH, ONE PIECE TERRAZZO RECEPTOR, STAINLESS STEEL CAP, SPLASH CATCHER PANELS ON 2 SIDES, CAST BRASS DRAIN, 3" OUTLET.		
						FAUCET:	STERN WILLIAMS NO. T-10-VB-T35 SINK FITTING WITH INTEGRAL STOPS, SPOUT WITH BUCKET HOOK, 3/4" HOSE THREAD, END, VACUUM BREAKER, ADJUSTABLE TOP BRACE, INLETS 8" ON CENTERS, CHROME FINISH.		
						FIXTURE:	ELKAY LESTAWIS DUAL HEIGHT WALL MOUNT ELECTRIC WATER COOLER, EZH20 BOTTLE FILLING STATION, SATIN FINISH STAINLESS STEEL CABINET, POLISHED CHROME PLATER PUSH BUTTONS AND BUBBLER, TRIPLE WATER FILTER (TASTE, ODOR, MINERAL REMOVAL), 5 YEAR WARRANTY, DELIVERY OF 6 GPH OF 50°F WATER AT 60°F AMBIENT AND 80°F INLET WATER, 115V, 50 Hz, 5.0 F.L. AMPS.		
						TRIM:	MCQUIRE NO. 8500 TRAP, PROVIDE ACCESSIBLE SHUTOFF VALVE.		
P9A	WALL BOX FOR COFFEE/TEA/MACHINE	-	1/2"	-	-	CARRIER:	ZURN NO. Z-1226-BLVP.		
						FIXTURE:	GUY GRAY MODEL BIM675 WITH 1/2" COMPRESSION FITTING COLD WATER VALVE, WATTS SERIES 7 DUAL CHECK VALVE BACKFLOW PREVENTER, FILTERING TMP WATER FILTER. VALVES AND FILTER ARE TO BE "LEAD FREE".		
FIXTURE:						GUY GRAY MODEL B200 WITH 1/2" HOT AND COLD WATER VALVES AND 2" DRAIN.			
FIXTURE:						ZURN Z-1300 ENCASED WALL HYDRANT, NON-FREEZE, BACK FLOW PREVENTER, BRONZE CASTING AND INTERNAL PARTS, REPLACEABLE SEAT AND SEAT WASHER, STAINLESS STEEL BOX AND COVER WITH LOOSE KEY AND "WATER" STAMPED ON FACE, MOUNT 24" ABOVE FINISHED GRADE.			
P12A	WALL HYDRANT EXTERIOR	-	3/4"	-	-	FIXTURE:	ZURN Z-1300 ENCASED WALL HYDRANT, BACK FLOW PREVENTER, BRONZE CASTING AND INTERNAL PARTS, REPLACEABLE SEAT AND SEAT WASHER, STAINLESS STEEL BOX AND COVER WITH LOOSE KEY AND "WATER" STAMPED ON FACE, MOUNT 24" ABOVE FINISHED GRADE.		
						FIXTURE:	ZURN Z-1300 ENCASED WALL HYDRANT, BACK FLOW PREVENTER, BRONZE CASTING AND INTERNAL PARTS, REPLACEABLE SEAT AND SEAT WASHER, STAINLESS STEEL BOX AND COVER WITH LOOSE KEY AND "WATER" STAMPED ON COVER, 3/4" HOSE THREAD, MOUNT 24" AFF.		
FIXTURE:						ZURN Z-1341-BEP, WALL FAUCET, ROUGH BRASS FINISH, HANDWHEEL, VACUUM BREAKER, 3/4" MALE HOSE THREAD, MOUNT 36" AFF.			
FIXTURE:						STATE MODEL P06-60-20-SA 50 GALLON 4500 WATT, 208VOLT SINGLE PHASE ELECTRIC WATER HEATER.			
TMV	WALL HYDRANT INTERIOR	-	3/4"	-	-	FIXTURE:	GUARDIAN NO. G3800LF TEMPERING VALVE, LOCKING TYPE TEMPERATURE REGULATOR, BUILT IN COLD WATER BY-PASS, ADJUSTABLE STRAINER AND SUPPLY STOP, FURNISHED WITH HEAVY DUTY MOUNTING BRACKET FOR SECURING TO WALL OR PANEL.		
						FIXTURE:	GUARDIAN NO. G3800LF TEMPERING VALVE, LOCKING TYPE TEMPERATURE REGULATOR, BUILT IN COLD WATER BY-PASS, ADJUSTABLE STRAINER AND SUPPLY STOP, FURNISHED WITH HEAVY DUTY MOUNTING BRACKET FOR SECURING TO WALL OR PANEL.		
FIXTURE:						GUARDIAN NO. G3800LF TEMPERING VALVE, LOCKING TYPE TEMPERATURE REGULATOR, BUILT IN COLD WATER BY-PASS, ADJUSTABLE STRAINER AND SUPPLY STOP, FURNISHED WITH HEAVY DUTY MOUNTING BRACKET FOR SECURING TO WALL OR PANEL.			
FIXTURE:						GUARDIAN NO. G3800LF TEMPERING VALVE, LOCKING TYPE TEMPERATURE REGULATOR, BUILT IN COLD WATER BY-PASS, ADJUSTABLE STRAINER AND SUPPLY STOP, FURNISHED WITH HEAVY DUTY MOUNTING BRACKET FOR SECURING TO WALL OR PANEL.			

FLOOR DRAIN SCHEDULE					
SYMBOL	DESCRIPTION	WASTE	VENT	REMARKS	
FDA	FLOOR DRAIN	SEE PLAN FOR SIZE	2"	FIXTURE:	ZURN ZN-415-S-VP, CAST IRON BODY, MEMBRANE CLAMP, BOTTOM OUTLET CAULK CONNECTION FOR SLAB ON GRADE, 6"x6" TYP. "P" STRAINER, NICKEL BRONZE TOP, DEEP SEAL P-TRAP WITH TRAP PRIMER CONNECTION.
FS	FLOOR SINK	4"	2"	FIXTURE:	ZURN Z-1600-2, 12"x12"x6" DEEP CAST IRON BODY, MEMBRANE CLAMP, BOTTOM OUTLET CAULK CONNECTION FOR SLAB ON GRADE, HALF GRATTEM ANTI-SPALSH BOTTOM DOME STRAINER.
FCO	FLOOR CLEANOUT	4"	-	FIXTURE:	ZURN ZB1400-K-OF LEVE-TROL ADJUSTIBLE FLOOR CLEANOUT, DURA-COATED CAST IRON BODY, GAS TIGHT PLUG, POLISHED BRONZE TOP WITH CARPET FLANGE.

ROOF DRAIN SCHEDULE					
SYMBOL	DESCRIPTION	WASTE	REMARKS		
RDA	ROOF DRAIN	6"	FIXTURE:	ZURN ZC100-C-EA-R, 15" DIAMETER ROOF DRAIN, DURA COATED CAST IRON BODY WITH CAST IRON DOME, FLASHING CLAMP, GRAVEL GUARD, UNDER DECK CLAMP, ADJUSTABLE EXTENTION ASSEMBLY, ROOF SUMP RECEIVER, NO-HUB OUTLET.	
RDB	ROOF DRAIN	8"	FIXTURE:	ZURN ZC100-C-EA-R, 15" DIAMETER ROOF DRAIN, DURA COATED CAST IRON BODY WITH CAST IRON DOME, FLASHING CLAMP, GRAVEL GUARD, UNDER DECK CLAMP, ADJUSTABLE EXTENTION ASSEMBLY, ROOF SUMP RECEIVER, NO-HUB OUTLET.	
ORDA	OVERFLOW ROOF DRAIN	8"	FIXTURE:	ZURN ZC100-C-EA-R, 15" DIAMETER ROOF DRAIN, DURA COATED CAST IRON BODY WITH CAST IRON DOME, FLASHING CLAMP, GRAVEL GUARD, UNDER DECK CLAMP, ADJUSTABLE EXTENTION ASSEMBLY, ROOF SUMP RECEIVER, NO-HUB OUTLET.	
OS	OVERFLOP SCUPPER	SEE PLANS	FIXTURE:	ZURN Z199 ALL NICKEL BODY WITH NO HUB CONNECTION.	