

PLUMBING LEGEND	
120 HOT WATER SUPPLY	----- DHW -----
HOT WATER RETURN	----- HWR -----
COLD WATER SUPPLY	----- DCW -----
SANITARY	----- SAN -----
KITCHEN GREASE SANITARY	----- GW -----
STORM	----- ST -----
STORM OVERFLOW	----- OF -----
VENT PIPING	----- VENT -----
CONDENSATE	----- C -----
ELBOW, TURNED DOWN	DN -----
ELBOW, TURNED UP	UP -----
ELBOW, 90°	-----
CONNECTION, TOP	-----
CONNECTION, BOTTEM	-----
CONNECTION, SIDE	-----
CAP, AIR AND WATER TIGHT	-----
VENT THROUGH ROOF	VTR -----
RECIRCULATION PUMP	RCF# -----
CHECK VALVE / BACKFLOW PREVENTOR	-----
BALL VALVE	-----
FLOW CONTROL VALVE	-----
WATER METER	-----
PRESSURE REGULATOR	-----
SOLENOID SHUTOFF VALVE	-----
HOSE BIBB WITH VACUUM BREAKER	HB# -----
AIR ADMITTANCE VALVE (BOD: STUDOR)	AAV -----
UNION	-----
WALL CLEANOUT	WCO -----
FLOOR CLEANOUT	FCO -----
FLOOR DRAIN	FD -----
FLOOR SINK	FS -----
EXISTING SYSTEM PIPING	EX ### -----
TO BE DEMOLISHED	EX ### -----
DEMOLITION KEYNOTE	# -----
RENOVATION KEYNOTE	# -----
CONNECT TO EXISTING	# -----
LIMITS OF DEMOLITION	-----
ACCESS PANEL	AP -----
MIN. INVERT ELEVATION	MIN. L.E. 36" B.F.F. -----
ALL MAY NOT APPLY	

POTABLE WATER
1.ALL POTABLE WATER PIPING SHALL BE DISINFECTED IN ACCORDANCE WITH THE PLUMBING CODE AND VERIFIED BY WRITTEN REPORT FROM THE STATE BOARD OF HEALTH.
2.ALL PLUMBING PIPING SHALL BE CONCEALED IN FLOORS, WALLS, OR ABOVE CEILINGS AS APPLICABLE EXCEPT AT IMMEDIATE FIXTURE.
3.PROVIDE HANGERS FOR SUPPLY PIPING AT A MAXIMUM SPACING OF 3 FEET.
4.PROVIDE WATER HAMMER ARRESTORS AT EACH FIXTURE, QUICK CLOSING VALVE, OR BATTERY OF FIXTURES WHERE REQUIRED AND PER FBC-P 604.9. ARRESTORS SHALL BE FACTORY FABRICATED, SIZED PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I WH-201. AIR CHAMBERS SHALL NOT BE CONSIDERED AN EQUAL TO WATER HAMMER ARRESTORS AS SPECIFIED.
5.BALL VALVES 1/4" THRU 2" SHALL BE TWO PIECE - 600 WOG, TEFLON SEATS, ANSI 316 STAINLESS STEEL BALL AND STEM (EXTENSION STEM ON INSULATED HOT WATER AND TEMPERED HOT WATER), BRONZE BODY WITH THREADED OR SOLDER ENDS.
6.DURING CONSTRUCTION ALL PRESSURE PIPING SYSTEMS SHALL RECEIVE A HYDROSTATIC TEST OF 1-1/2 TIMES THE OPERATING PRESSURE FOR A PERIOD OF NOT LESS THAN EIGHT (8) HOURS, NO LEAKAGE EVIDENT DURING THE TEST PERIOD IS ALLOWED. NOTIFY THE ARCHITECT AND ENGINEER OF RECORD 24 HOURS IN ADVANCE OF ANY TESTING SO THAT THEY MAY OBSERVE IF THE NEED IS CALLED FOR. PIPING SYSTEMS, EQUIPMENT, SPECIALTIES, PUMPS, TRAPS, VALVES, STRAINERS, ETC. SHALL BE INSPECTED AND TESTED FOR PROPER FUNCTIONALITY AT THE CONCLUSION OF CONSTRUCTION AND ANY LEAKAGE OR MALFUNCTIONS SHALL BE REPAIRED.
7.PROVIDE ISOLATION AND ASSE1024 DUAL CHECK BACKFLOW PREVENTION BEFORE AND BEVERAGE CONNECTION, CARBONATED DEVICE(ASSE1022), STERILIZATION EQUIPMENT, AND ICE MACHINE SUPPLY, PER FBC-P608.3 AND 608.17.
8.MOUNT HOSE BIBBS 24" ABOVE FINISHED GRADE, UNLESS OTHERWISE NOTED.
9.ALL PRESSURE PIPING SHALL BE INSTALLED ABOVE CEILING AND IN WALLS UNLESS NOTED OTHERWISE.
10.BELOW GRADE <div>10.1.PIPING SHALL BE COATED WITH HEAVY TROWEL GRADE LION OIL CO. NOKORODE SEALKOTE OR APPROVED EQUAL</div> <div>10.2.UNDERGROUND SERVICE PIPING SHALL BE COPPER TUBING.</div>
11.PIPING SPECIFICATIONS <div>11.1.ABOVE GRADE DOMESTIC COLD WATER SUPPLY PIPING SHALL BE HIGH IMPACT CPVC WITH SOLVENT WELD FITTINGS.<div>11.1.1.PROVIDE TRANSITION FITTINGS AS REQUIRED TO INSTALL VALVES, FIXTURE STOPS, EQUIPMENT AND OTHER COMPONENTS</div><div>11.1.2.ALL PIPES AND FITTINGS SHALL CONFORM TO ASTM 1784.</div></div> <div>11.2.PIPING LOCATED IN RETURN AIR PLENUMS SHALL BE TYPE L HARD COPPER TUBE OR CPVC WITH 1" THICK FIRE WRAP INSULATION SEALED TO PROVIDE FS/SD=25/50.</div> <div>11.3.EXPOSED PIPING SHALL BE TYPE L HARD COPPER TUBE PAINTED TO MATCH ADJACENT ARCHITECTURAL SURFACE.</div>
12.INSULATION SPECIFICATIONS <div>12.1.INSULATE COLD WATER SUPPLY PIPING IN EXTERIOR WALLS AND ATTIC AS WELL AS ALL HOT WATER WITH 1" IMCOLOCK PRE-SLIT, PRE-GLUED INSULATION. INSULATE FITTINGS WITH MITERED CUT PIECES OF IMCOLOCK, 1" INSULATION.</div> <div>12.2.THERE SHALL BE NO EXPOSED HOT WATER SUPPLY PIPING EXCEPT WITHIN MECHANICAL OR EQUIPMENT ROOMS.</div> <div>12.3.PIPING UNDER HANDICAPPED LAVATORIES SHALL BE INSULATED PER AMERICANS WITH DISABILITIES ACT WITH FACTORY FABRICATED SEAMLESS MICROBIAL PVC RESIN INSULATION.</div>
13.EXPOSED PIPING <div>13.1.ALL EXPOSED PIPING SHALL BE COORDINATED WITH OTHER ABOVE-CEILING SYSTEMS SAND ROUTED TO AVOID CONFLICTS EVEN IF ITS ROUTING IS DIFFERENT THAN THAT WHICH IS SHOWN ON THESE PLANS.</div> <div>13.2.ALL EXPOSED PIPING SHALL BE INSTALLED NEAT AND ORDERLY. PAINT TO MATCH ADJACENT ARCHITECTURAL SURFACE OR AS DIRECTED BY ARCHITECT.</div>

CODE REFERENCE (ALL MAY NOT APPLY)		
THE LATEST EDITIONS OF THE ESTABLISHED STANDARDS OF THE FOLLOWING ORGANIZATIONS, AND INDIVIDUAL STANDARDS NAMED SHALL BE FOLLOWED THE SAME AS IF THEY WERE FULLY WRITTEN HEREIN AND CONSTITUTE A PART OF THE SPECIFICATION REQUIREMENTS EXCEPT WHERE OTHERWISE SPECIFIED:		
FBC, BUILDING	FLORIDA BUILDING CODE 8TH EDITION	
FBC, PLUMBING	FLORIDA BUILDING CODE 8TH EDITION	
FBC, EXISTING BUILDING	FLORIDA BUILDING CODE 8TH EDITION	
FBC, FUEL GAS	FLORIDA BUILDING CODE 8TH EDITION	
FBC, ENERGY CONSERVATION	FLORIDA BUILDING CODE 8TH EDITION	
FFPC	FLORIDA FIRE PREVENTION CODE, 2023 8TH EDITION	
NFPA 54	NATIONAL FUEL GAS CODE	
NFPA 101	LIFE SAFETY CODE	
NFPA 101A	GUIDE ON ALTERNATIVE APPROACHES TO LIFE SAFETY	
NFPA 101B	CODE FOR MEANS OF EGRESS FOR BUILDINGS AND STRUCTURES	
NFPA 900	BUILDING ENERGY CODE	
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	
ADA	AMERICAN WITH DISABILITIES ACT	
UL	UNDERWRITERS LABORATORIES	
THESE CODE AND STANDARDS SHALL BE CONSIDERED A MINIMUM REQUIREMENT. THE CONTRACTOR SHALL NOT RELIEVED FROM PROVIDING HIGHER GRADE MATERIALS, PRODUCTS AND WORKMANSHIP WHICH MAY BE SPECIFIED WITHIN THESE DOCUMENTS		
INTERIOR CLEANOUT SCHEDULE		
LOCATION	TYPE	JR SMITH M#:
FLOOR (FCO) (CAST IRON BODY, BRONZE PLUG, NICKEL BRONZE TOP)		4028C
WALL (WCO) (CAST IRON BODY, BRONZE PLUG STAINLESS STEEL COVER)		4532S
EXPOSED (TCO) (CAST IRON BODY, BRONZE PLUG, THREADED CAP)	HORIZONTAL VERTICAL	4400C 4512S
EXTERIOR CLEANOUT SCHEDULE		
	TYPE	JR SMITH M#:
ONE WAY		4233L

CAST IRON BODY, BRONZE  
PLUG, CAST IRON TOP  
TAPER THREAD)

4233L

TWO WAY  
(CAST IRON BODY, BRONZE  
PLUG, CAST IRON TOP  
TAPER THREAD)

WATER HAMMER ARRESTOR SCHEDULE

FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330
JR SMITH M#:	5005	5010	5020	5030	5040	5050

SUBMITTAL REQUIREMENTS

1.USE OF AN APPROVAL STAMP ON SUBMITTAL DOCUMENTS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS.

2.THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES, OR SIMILAR SUBMITTAL ITEMS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES, OR SIMILAR SUBMITTAL ITEMS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.

3.CONTRACTOR SHALL SUPPLY TO THE ARCHITECT SUBMITTALS ON THE FOLLOWING WHERE APPLICABLE (ALL MAY NOT APPLY):

3.1.PLUMBING FIXTURES

3.2.PIPE AND FITTINGS

3.3.INSULATION MATERIALS

3.4.PLUMBING ACCESSORIES AND SPECIALTIES

3.5.VALVES

3.6.HOT WATER HEATER

ENERGY SYSTEMS - WATER HEATING

1.SERVICE WATER HEATING EQUIPMENT SHALL ALLOW LAVATORY OUTLET TEMPERATURES IN PUBLIC FACILITY RESTROOMS SHALL BE LIMITED TO 110°F. CONTROL BY TMV.

2.WATER-HEATING EQUIPMENT AND HOT WATER STORAGE TANKS SHALL MEET THE REQUIREMENTS OUTLINED IN FBC CHAPTER 4, TABLE C404.2 AND THE EFFICIENCY SHALL BE VERIFIED THROUGH DATA FURNISHED BY THE MANUFACTURER THROUGH CERTIFICATION UNDER AN APPROVED CERTIFICATION PROGRAM.

3.ALL HOT WATER SUPPLY AND RECIRCULATION PIPING IN THE HOT WATER SYSTEM SHALL BE INSULATED WITH MINIMUM 1IN OF INSULATION HAVING A CONDUCTIVITY OF 0.27 (BTU / IN / H X FT<sup>2</sup> X °F).

4.CIRCULATING HOT WATER SYSTEM PUMPS OR HEAT TRACE SHALL BE ARRANGED TO BE TURNED OFF EITHER AUTOMATICALLY OR MANUALLY WHEN THERE IS LIMITED HOT WATER DEMAND. READY ACCESS SHALL BE PROVIDED TO THE OPERATING CONTROLS.

5.FOR NON-CIRCULATING STORAGE WATER TANKS HEAT TRAPS MUST BE INSTALLED ON THE SUPPLY AND DISCHARGE PIPING ASSOCIATED WITH THE EQUIPMENT.

6.CONDENSER HEAT RECOVERY SHALL BE INSTALLED FOR HEATING OR REHEATING OF SERVICE HOT WATER, PROVIDED THE FACILITY OPERATES 24 HOURS A DAY, THE TOTAL HEAT CAPACITY OF WATER-COOLED SYSTEMS EXCEEDS 6,000,000 BTU/HR OF HEAT REJECTION, AND THE DESIGN SERVICE WATER HEATING LOAD EXCEEDS 1,000,000 BTU/HR. THE HEAT RECOVERY SHALL PROVIDE THE SMALLER OF EITHER: 60% OF THE PEAK HEAT REJECTION LOAD AT DESIGN CONDITIONS, OR PROVIDE THE PREHEATING REQUIRED TO RAISE THE PEAK SERVICE HOT WATER DRAW TO 85°F.

PLUMBING GENERAL NOTES
1.LOCATIONS OF ANY WASTE AND SUPPLY PIPING SHOWN ARE ONLY APPROXIMATE. THE PLUMBING CONTRACTOR SHALL VERIFY THESE LOCATIONS BEFORE PROCEEDING WITH WORK.
2.ALL PLUMBING PIPE SHALL BE RUN STRAIGHT, SQUARE, AND LEVEL. NO SAGGING OF PLUMBING PIPING SHALL BE ACCEPTED.
3.ALL DRAINAGE PIPING 3" AND LARGER SHALL HAVE A MINIMUM SLOPE OF 1/8" PER FOOT, PIPING 2-1/2" AND SMALLER SHALL HAVE A MINIMUM SLOPE OF 1/4" PER FOOT UNLESS OTHERWISE NOTED.
4.VENT PIPING SHOWN ON FLOOR PLAN IS ONLY INDICATIVE EXCEPT FOR VTR LOCATIONS.
5.CONTRACTOR SHALL INSTALL DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
6.VALVES AND FITTINGS SHALL BE OF THE SAME SIZE AS THE LINE IN WHICH THEY ARE INSTALLED.
7.ALL WATER SANITARY WASTE, VENT AND SUPPLY PIPING SHALL BE INSTALLED AS CLOSE TO PLANS AS POSSIBLE WITH NO CHANGE IN SIZING.
8.SEE ARCHITECTURAL DRAWINGS FOR EXACT PLUMBING FIXTURE LOCATIONS, MOUNTING HEIGHTS, DIMENSIONS AND ADDITIONAL REQUIREMENTS NOT COVERED ON THESE DRAWINGS.
9.PIPING SHALL NOT BE RUN ABOVE ELECTRICAL OR SERVER EQUIPMENT, COORDINATE WITH FIELD CONDITIONS.
10.DO NOT PENETRATE WALL FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES. WHERE ABSOLUTELY NECESSARY, ALL PIPES PENETRATING BEARING WALL OR FOOTING MUST BE SLEEVED AND IN A LOCATION APPROVED BY THE STRUCTURAL ENGINEER.
11.CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY SUPPORTING DEVICES OR ALL FIXTURES INCLUDED IN THESE CONTRACT DOCUMENTS.
12.WALL BRACKETS, HANGERS, SUPPORTS, ETC. SHALL BE PROVIDED WHERE REQUIRED IN ACCORDANCE WITH THE BEST STANDARD PRACTICE OF THE TRADE AND AS PER CODE. ADDITIONAL SUPPORTS SHALL BE PROVIDED TO TRANSMIT LOADS TO THE MAIN STRUCTURE WHERE REQUIRED. CPVC PIPING SUPPORTS SHALL BE 3'-0" ON CENTER FOR 1/2" THRU 1" AND 4'-0" ON CENTER FOR 1-1/2" AND LARGER. ALL EXPOSED SUPPORTS SHALL BE HOT DIPPED GALVANIZED OR FIBERGLASS REINFORCED "UNISTRUT" TYPE INCLUDING HARDWARE.
13.POWER WIRING, PANELS, TRANSFORMERS, AND DISCONNECT SWITCHES FOR PLUMBING EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL CONTROL WIRING, RELAYS, AND PANELS SHALL BE PROVIDED AND INSTALLED BY THE PLUMBING CONTRACTOR. ALL MOTOR STARTERS REQUIRED FOR ANY PLUMBING EQUIPMENT SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
14.INSTALL ACCESS PANELS (MINIMUM 18x18) WHERE EQUIPMENT REQUIRING ACCESS RESIDES ABOVE AN INACCESSIBLE CEILING TYPE.
15.ALL CONCEALED VALVES, WATER HAMMER ARRESTORS, CLEANOUTS, ETC., CONCEALED IN WALLS SHALL BE PROVIDED WITH AN ACCESS PANEL, ZURN MODEL ZN-1460 OR APPROVED EQUAL.
16.ALL CONCEALED PIPING IN CHASE AREAS SHALL BE SUPPORTED WITH A PIPING SUPPORT SYSTEM, SUMNER POSIFIX, STAKFIX AND CHANNEL OR APPROVED EQUAL
17.PURGE, CLEAN, DISINFECT & TEST WATER PIPING SYSTEMS. SUBMIT REPORT & WATER SAMPLES TO A.H.J. USE PROCEDURE PRESCRIBED BY A.H.J., OR IF METHOD NOT PRESCRIBED USE AWWA C651 OR AWWA C652.
18.CONTRACTOR SHALL INSTALL WATER HAMMER ARRESTORS AT ALL QUICK CLOSING VALVES. REFER TO FPC 604.9.
CONDENSATE, SANITARY WASTE AND VENT
1.GRAVITY FLOW SYSTEMS HAVE SPACE PRIORITY FOR SLOPING PIPES.
2.SLOPING PIPES SHALL BE STARTED AT THE HIGHEST POINT POSSIBLE.
3.ALL SOIL, WASTE, AND VENT PIPING SHALL BE TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND LOCAL PERMITTING AUTHORITIES REQUIREMENTS.
4.THE GENERAL CONTRACTOR SHALL VERIFY ALL FLOOR DRAIN AND WATER SUPPLY LOCATIONS BEFORE POURING SLABS.
5.CONDENSATE, SANITARY AND VENT PIPING SHALL BE COLLECTED AND TERMINATED AT A POINT SHOWN ON THE DRAWINGS. <div>5.1.PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR CONDENSATE PIPES AFTER AIR UNIT TRAP, MECHANICAL CONTRACTOR RESPONSIBLE FOR FIRST 12" OF CONDENSATE AND TRAP.</div>
6.INVERT SHOWN ON PLANS IS AN ESTIMATE OF MINIMUM INVERT CALCULATED USING ENGINEERING ESTIMATES OF SLOPE, FITTING DIMENSIONS AND OTHER FACTORS THAT MAY NOT MATCH THE EXACT FIELD CONDITIONS. DUE DILIGENCE HAS BEEN PUT FORTH TO COORDINATE THIS WITH THE SITE CONNECTIONS BUT IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ACTUAL SITE CONNECTION INVERT AND ITS CONNECTION TO THE BUILDING SERVICE PIPING. ANY ISSUES SHALL BE BROUGHT TO THE ATTENTION OF THE EOR PRIOR TO COMMENCING WITH INSTALLATION OF UNDERGROUND PIPING.
7.WHEN REQUIRED BY CODE PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL AN AIR GAP SERVING INDIVIDUAL FIXTURES, DEVICES, OR APPLIANCES.
8.ALL SANITARY WASTE LINES SHALL BE INSTALLED UNDER THE FLOOR SLAB, UNLESS OTHERWISE NOTED. VENT PIPING SHALL BE INSTALLED ABOVE CEILING AND IN WALLS UNLESS NOTED OTHERWISE.
9.FLOOR DRAIN TRAPS SHALL BE DEEP SEAL (MIN. 4"). FURNISH AND INSTALL TRAP PRIMERS, WHERE INDICATED, OR IF LOCAL CODES REQUIRE THEM. VERIFY AND INCLUDE IN BID. PER FBC-P 1002.4 ANY TRAPPED FIXTURE SUBJECT TO EVAPORATION SHALL BE FURNISHED WITH 1/2" TRAP PRIMER CONNECTION TO NEAREST DCW WATER SUPPLY LINE, WITH VALVE CONFORMING TO ASSE1018. USE SELF SEAL RUBBER TYPE THAT CONFORM TO ASSE1044 FOR REMOTE DRAINS THAT ARE OVER 20' FROM THE WATER SUPPLY.
10.SIZE AND LOCATION OF CLEANOUTS SHALL BE IN ACCORDANCE WITH FLORIDA PLUMBING CODE AND ALL JURISDICTIONAL REGULATIONS.
11.PIPING SPECIFICATIONS <div>11.1.CONDENSATE, DOMESTIC WASTE, AND VENT PIPING SHALL BE SCHEDULE 40 PVC/DWV PIPE WITH SOLVENT WELD DRAINAGE FITTINGS CONFORMING TO ASTM D-2665.</div> <div>11.2.VENT PIPING SHALL BE MINIMUM OF 2", UNLESS NOTED OTHERWISE.</div> <div>11.3.PIPING INSTALLED WITHIN A RETURN AIR PLENUM SHALL BE CAST IRON WITH HUB AND SPIGOT FITTINGS OR PVC PIPING WITH 1/2" THICK FIRE WRAP INSULATION SEALED TO PROVIDE FS/SD=25/50.</div> <div>11.4. UNLESS NOTED OTHERWISE, ASSUME ALL COMBINED DISCHARGE CONNECTIONS ARE WYE TYPE.</div>
12.EXPOSED PIPING <div>12.1.ALL EXPOSED PIPING SHALL BE COORDINATED WITH OTHER ABOVE-CEILING SYSTEMS AND ROUTED TO AVOID CONFLICTS EVEN IF ITS ROUTING IS DIFFERENT THAN WHAT IS SHOWN ON THESE PLANS.</div> <div>12.2.ALL EXPOSED PIPING SHALL BE INSTALLED NEAT AND ORDERLY. PAINT TO MATCH ADJACENT ARCHITECTURAL SURFACE OR AS DIRECTED BY ARCHITECT.</div>

GENERAL NOTES

1.THE ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR ANY MISUSE AND/OR MISREPRESENTATION OF THIS SET OF DOCUMENTS.

2.THE CONTRACTOR ASSUMES RESPONSIBILITY FOR THE USE OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL MAKE THEMSELVES AWARE OF PROJECT CONDITIONS AND OWNER REQUIREMENTS PRIOR TO PROCUREMENT OF EQUIPMENT AND SERVICES. CHANGES IN PROJECT COST WILL NOT BE GRANTED DUE TO FIELD CONFLICTS AND OR PROJECT CONDITIONS.

3.THIS SET OF DRAWINGS AND SPECIFICATIONS SHALL NOT BE CONSIDERED A SET OF CONSTRUCTION DOCUMENTS UNLESS A SIGNATURE AND DATE ARE AFFIXED TO THE DRAWINGS AND SPECIFICATIONS BY THE ENGINEER OF RESPONSIBLE CHARGE OF THE GIVEN DISCIPLINE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED UNLESS EMBOSSED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ELECTRONIC COPIES.

4.CONFLICTS BETWEEN THIS SET OF DRAWINGS AND THE CONTRACT SPECIFICATIONS SHALL BE RESOLVED BY THE ENGINEER OF RECORD. THE CONTRACTOR DOES NOT HAVE THE AUTHORITY TO INTERPRET CONFLICTS AND RESOLVE ISSUES WITHOUT WRITTEN DIRECTION FROM THE ENGINEER OF RECORD.

5.ANY CONFLICTS IN THE FIELD OR WITHIN THESE DOCUMENTS SHALL BE RECORDED AND PROVIDED TO THE ENGINEER OF RECORD ON THE CONTRACTOR'S STANDARD LETTERHEAD. WRITTEN DIRECTION RESOLVING CONFLICT WILL BE ISSUED BY THE ENGINEER OF RECORD.

6.PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING OR OTHER WALL MOUNTED FURNISHINGS.

7.PLANs ARE DIAGRAMMATIC IN NATURE AND INTENDED TO SHOW THE GENERAL SCOPE OF THE WORK TO BE PERFORMED. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.

8.DUE TO THE SMALL SCALE OF THE DRAWINGS, AND TO UNFORESEEN JOB CONDITIONS, ALL REQUIRED OFFSETS, TRANSITIONS AND FITTINGS MAY NOT BE SHOWN BUT SHALL BE PROVIDED AT NO ADDITIONAL COST.

9.THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND EXISTING EQUIPMENT TO ENSURE THE EQUIPMENT SPECIFIED WILL WORK FOR THE SPACES PROVIDED. FINAL DIMENSIONS OF SYSTEMS SHOWN ON THESE PLANS SHALL BE COORDINATED IN THE FIELD. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR PROVIDING OFFSETS AND TRANSITIONS TO FIT IN SPACES PROVIDED AND AT NO COST TO THE OWNER.

10.THE CONTRACTOR IS RESPONSIBLE FOR ANY SPECIAL REQUIREMENTS INVOLVED IN INSTALLING EQUIPMENT IN THE BUILDING. DISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED TO BRING INTO THE BUILDING AND EQUIPMENT ROOMS.

11.ALL WORK PERFORMED AS PART OF THIS PROJECT SHALL BE PERFORMED BY EXPERIENCED TRADESMEN WHO ARE TRAINED, EXPERIENCED, AND SKILLED IN THE TASKS INCIDENTAL TO THE PROJECT.

12.ALL WORK SHALL COMPLY WITH APPLICABLE OSHA AND EPS REGULATIONS AND GUIDELINES.

13.THE CONTRACTOR PERFORMING WORK ON THIS PROJECT WILL BE RESPONSIBLE FOR REGULARLY CLEANING THE WORK AREA OF ANY DEBRIS ASSOCIATED WITH THE WORK BEING PERFORMED. THE SITE SHALL BE CLEAN OF ALL CONSTRUCTION DEBRIS AT THE COMPLETION OF THE JOB, BEFORE FINAL PAYMENT IS MADE.

14.REASONABLE PRECAUTIONS SHALL BE MADE FOR SAFETY AND HEALTH INCLUDING BUT NOT LIMITED TO WARNING SIGNS, SAFETY PRECAUTIONS, AND BARRICADES FOR PEDESTRIANS.

15.COORDINATE ALL DEMOLITION, CLEANING, AND CONSTRUCTION WORK. CONTRACTOR SHALL PROVIDE OWNER A FULL CONSTRUCTION SCHEDULE.

16.CONTRACTOR SHALL BE HELD TO PROVIDED SCHEDULE. THEY SHALL BE RESPONSIBLE FOR PROVIDING SUFFICIENT MANPOWER AND EQUIPMENT TO COMPLETE THE WORK IN THE TIME INDICATED.

17.THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS. THE LOCATION OF STORAGE SHALL BE RESTRICTED SPECIFICALLY TO THE AREA ALLOTTED BY THE OWNER.

18.ALL ITEMS INSTALLED UNDER THE SCOPE OF THIS PROJECT SHALL BE NEW, CLEAN, AND FREE OF DEFECTS.

19.IF DRAWING CHANGES ARE NEEDED FOR INSPECTION DUE TO FIELD CHANGES MADE BY THE CONTRACTOR WITHOUT PRIOR APPROVAL OF THE ENGINEER AND AGREED UPON TERMS, THEN THE CONTRACTOR SHALL PAY HOURLY RATES TO THE ENGINEER OF RECORD FOR MAKING NECESSARY CHANGES.

20.SUPPORTS, HANGERS, WIRING, AND PIPING SHALL BE INSTALLED IN A NEAT FASHION AND IN AN ORDERLY APPEARANCE.

21.ALL ROOF EQUIPMENT SHALL BE SECURED TO STRUCTURE TO RESIST A 120 MPH WIND LOAD.

22.PROTECT THE ROOF FROM DAMAGE WHENEVER ANY WORK ON THE ROOF IS REQUIRED.

23.CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL PARTITIONS LABELED WITH A SPECIAL LISTING ON THE ARCHITECTURAL PLANS. THIS INCLUDES FIRE, SMOKE ACOUSTICAL AND OTHER UL WALL OR CEILING ASSEMBLIES.

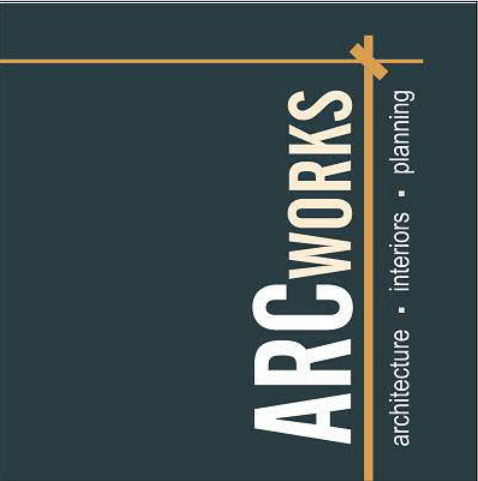
24.STRUCTURAL PENETRATIONS INCLUDING BUT NOT LIMITED TO WALL, FLOOR, OR BEAM SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. ALL BEAM SLEEVES AND REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

25.CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY THE MATERIAL SUPPLIES AND MANUFACTURERS.

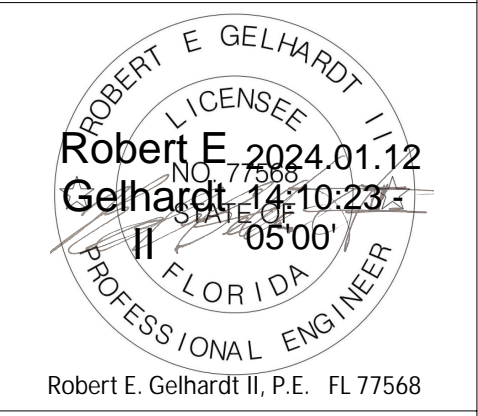
26.VALUE ENGINEERING OR CHANGES TO PLANS MUST BE APPROVED BY THE ENGINEER OF RECORD AND RESUBMITTED THROUGH THE BUILDING DEPARTMENT PRIOR TO BEING INSTALLED.

PLUMBING SHEET INDEX

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SUBMITTAL			
PHASE	DATE	DRAWN	CHECK
50%	10/27/23	BK	BK
75%	11/03/23	KW	BK
90%	11/09/23	DO	BK
100%	11/17/23	DO	BK
PERMIT	01/08/23	BK	REGII
REVISIONS			
#	DATE	REMARKS	
PROJECT NUMBER			
AW23001			
PHASE			
CONSTRUCTION DOCS			
SHEET TITLE			
PLUMBING NOTES & LEGEND			
SHEET NUMBER			
P0.1			



SANITARY GENERAL NOTES

1.

ROUTE SAN PLUMBING TO GROUND FLOOR, THEN SEND TO SITE SEPTIC SYSTEM, SEE SITE PLAN. ROUTE WITHIN JOIST SPACE OPENINGS AS NECESSARY.
2.

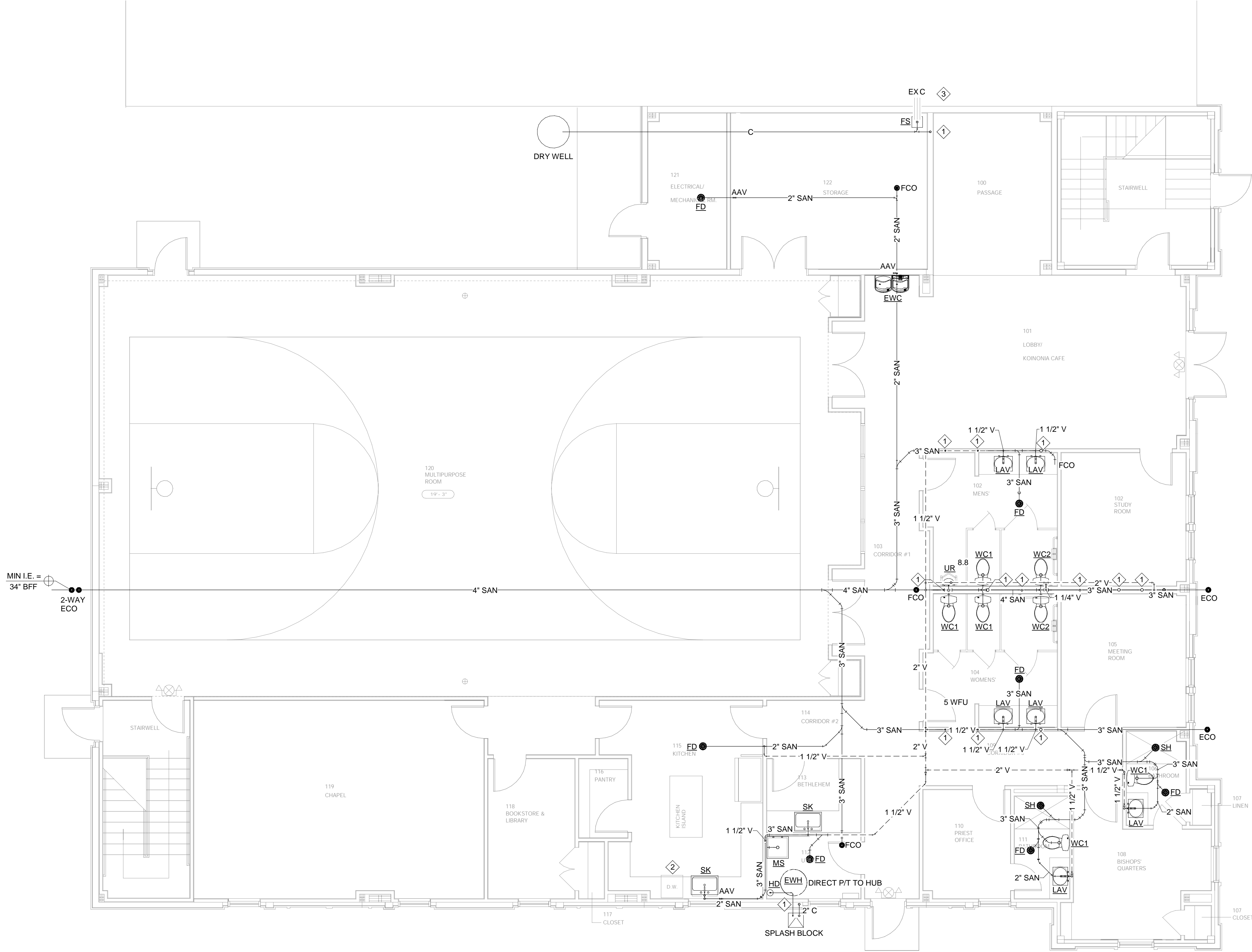
THE LOWEST HORIZONTAL VENT PIPE MUST BE HIGHER THAN THE HIGHEST PTRAP IN ANY CONNECTED SYSTEM.
3.

SECOND FLOOR FIXTURES ARE CONNECTED TO SECOND FLOOR VENT SYSTEMS. SIMILAR FOR FIRST FLOOR.
4.

PLACE CLEANOUTS AT MAX 100' INTERVALS PER FBC-P 708.1.1. DISTANCE FROM 2-WAY ECO TO FIRST FCO IS ~78'.

KEYED NOTES

1	DOWN FROM SECOND FLOOR FIXTURE. PTRAP AS REQUIRED.
2	DISHWASHER, PROVIDED BY OWNER. TIE SAN TO SINK PTRAP. MOUNT LINE HIGH AGAINST COUNTER.
3	ROUTE EXISTING CONDENSATE TO NEW FLOOR SINK.



1 FIRST FLOOR - PLUMBING - DRAIN & VENT  
P1.1 Scale: 3/16" = 1'-0"



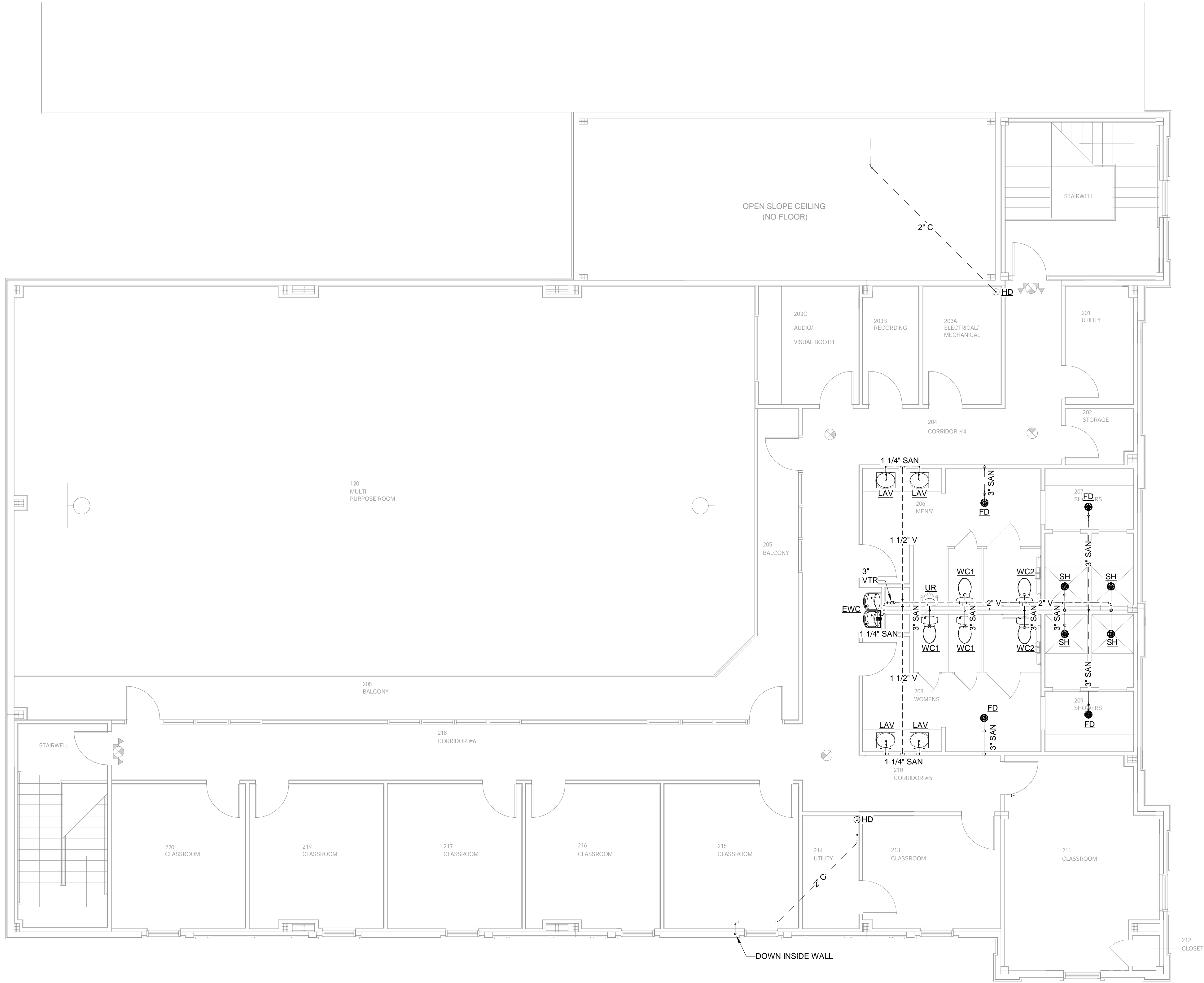
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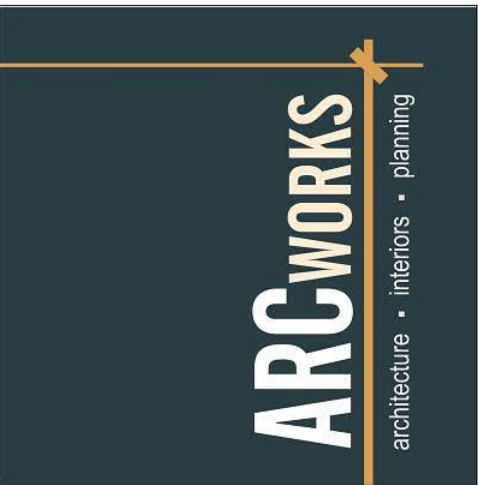
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SHEET TITLE			
FIRST FLOOR - PLUMBING - DRAIN & VENT			
SHEET NUMBER			
P1.1			



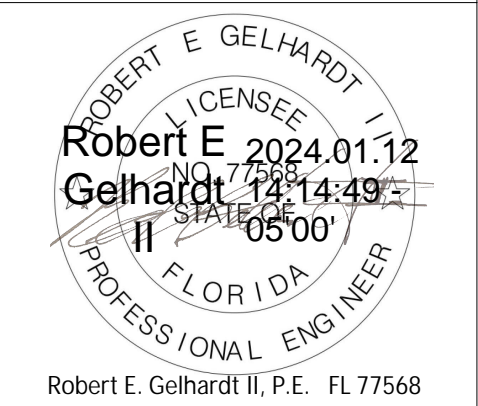
SANITARY GENERAL NOTES

- 1. ROUTE SAN PLUMBING TO GROUND FLOOR, THEN SEND TO SITE SEPTIC SYSTEM. SEE SITE PLAN. ROUTE WITHIN JOIST SPACE OPENINGS AS NECESSARY.
- 2. SECOND FLOOR FIXTURES ARE CONNECTED TO SECOND FLOOR VENT SYSTEMS. SIMILAR FOR FIRST FLOOR.

1 SECOND FLOOR - PLUMBING - DRAIN & VENT  
P1.2 Scale: 3/16" = 1'-0"



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SHEET TITLE  
SECOND FLOOR -  
PLUMBING - DRAIN  
& VENT

SHEET NUMBER  
P1.2



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SHEET TITLE  
**FIRST FLOOR -  
PLUMBING -  
PRESSURE**

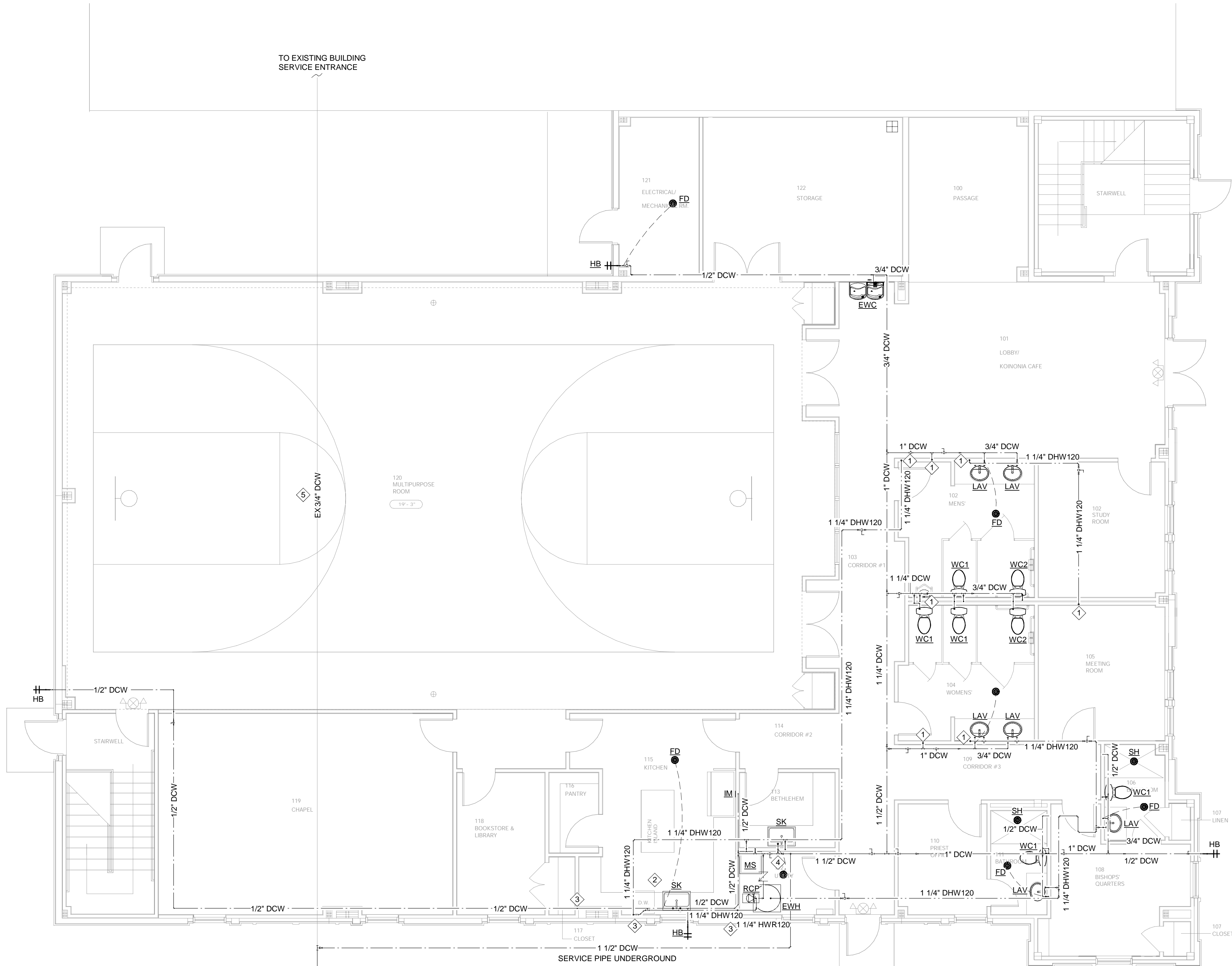
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**P1.3**

## PRESSURE RENOVATION NOTES

- WATER PIPING MATERIAL & FITTINGS FROM PLUMBING FIXTURES ON ALL FLOORS SHALL BE EITHER COPPER (AS SPEC'D IN PLUMBING MATERIAL SCHEDULE), OR CPVC PRODUCT.
- ALL HOT WATER & HOT WATER RETURN SYSTEM SHALL BE INSULATED AS INDICATED IN PLUMBING MATERIAL SCHEDULE.
- ALL FAUCETS SHALL BE EQUIPPED WITH TEMPERATURE & PRESSURE VALVES AS REQUIRED BY ASME-A112.1070-2014, ASSE-1016-2011, ASSE-1017-2014 & ASSE-1070-2014 USING THERMOSTATIC MIXING VALVES; HOT WATER DELIVERED TO MIXING VALVES FROM WATER HEATERS SHALL BE SUPPLIED AT 120F DEGREES IN ORDER TO CONTROL BACTERIA; ADJUSTMENTS MUST BE MADE AT FIXTURES TO ASSURE TEMPERED WATER COMPLIANCE AS SET FORTH BY GOVERNING CODES.
- ALL FAUCETS SHALL HAVE FACTORY BUILT-IN TEMPERATURE LIMIT TO PREVENT SCALDING.
- ROUTE ALL PRESSURE PIPING IN JOIST SPACE OPENINGS.
- EXISTING WATER METER SHALL BE REPLACED WITH NEW. USE UNDERGROUND PIPING TO CONNECT NEW METER TO EXISTING BUILDING'S WATER SERVICE ENTRANCE AND NEW BUILDING'S WATER SERVICE ENTRANCE.

## KEYED NOTES

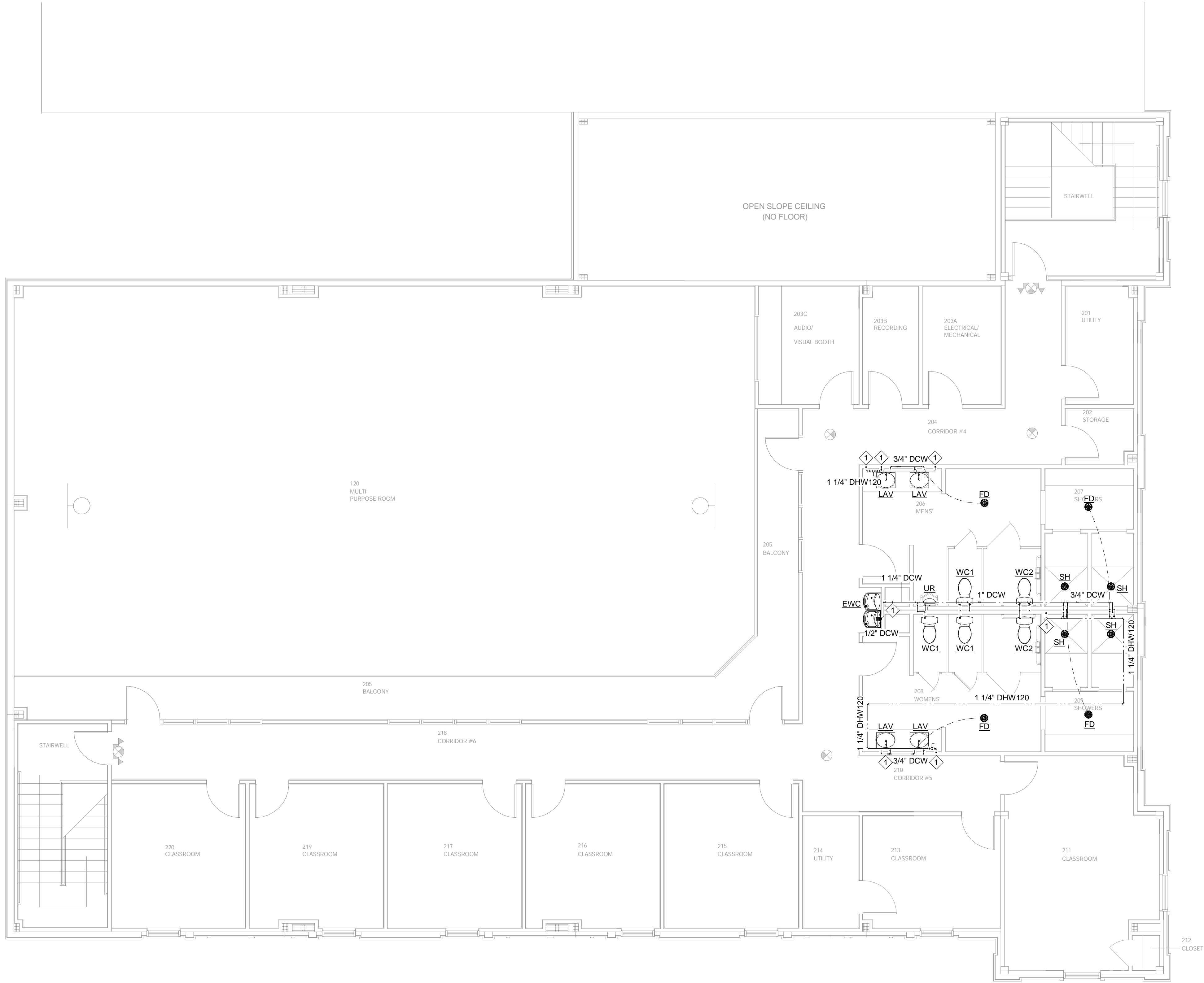
- DOWN FROM SECOND FLOOR FIXTURE. PTRAP AS REQUIRED.
- DISHWASHER, PROVIDED BY OWNER. PROVIDE HOT WATER CONNECTION.
- RUN SUPPLY PIPES WITHIN THE CABINET SPACE SINCE THE WINDOW IS BLOCKING WALL-SERVICE.
- NEW BUILDING'S WATER SERVICE ENTRANCE. SEE DETAIL AND SCHEDULE SHEET.
- CONTRACTOR SHALL VERIFY EXACT LOCATION OF EXISTING 3/4" UNDERGROUND DCW LINE SERVING EXISTING BUILDING. IF LINE IS IN THE WAY OF POURING THE NEW SLAB THEN THE PIPE SHOULD BE REMOVED AND REINSTALLED NEW AT A LOWER ELEVATION.
- NEW 2" SERVICE PIPE FROM METER. INSTALL NEW 1-1/2" METER FOR SERVICE TO BOTH BUILDINGS.



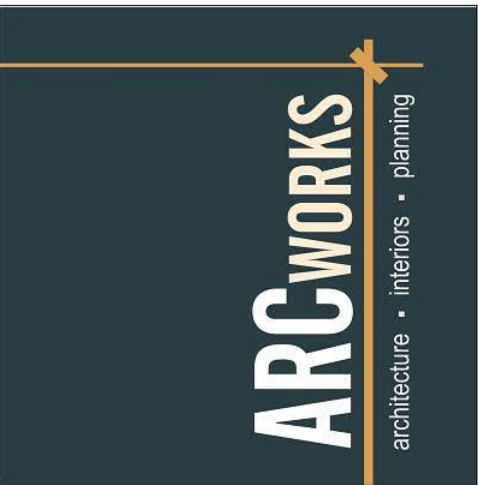
**1 FIRST FLOOR - PLUMBING - PRESSURE**  
P1.3 Scale: 3/16" = 1'-0"

KEYED NOTES

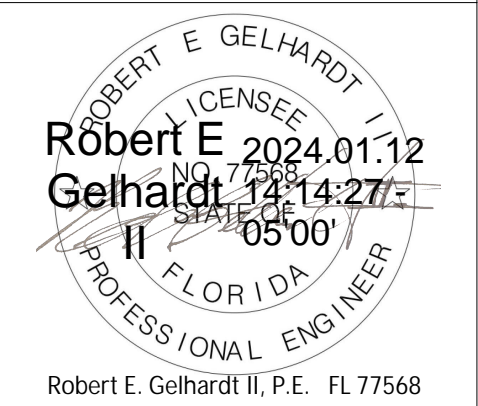
1 SUPPLY PIPE FROM FLOOR BELOW.



1 SECOND FLOOR - PLUMBING - PRESSURE  
P1.4 Scale: 3/16" = 1'-0"



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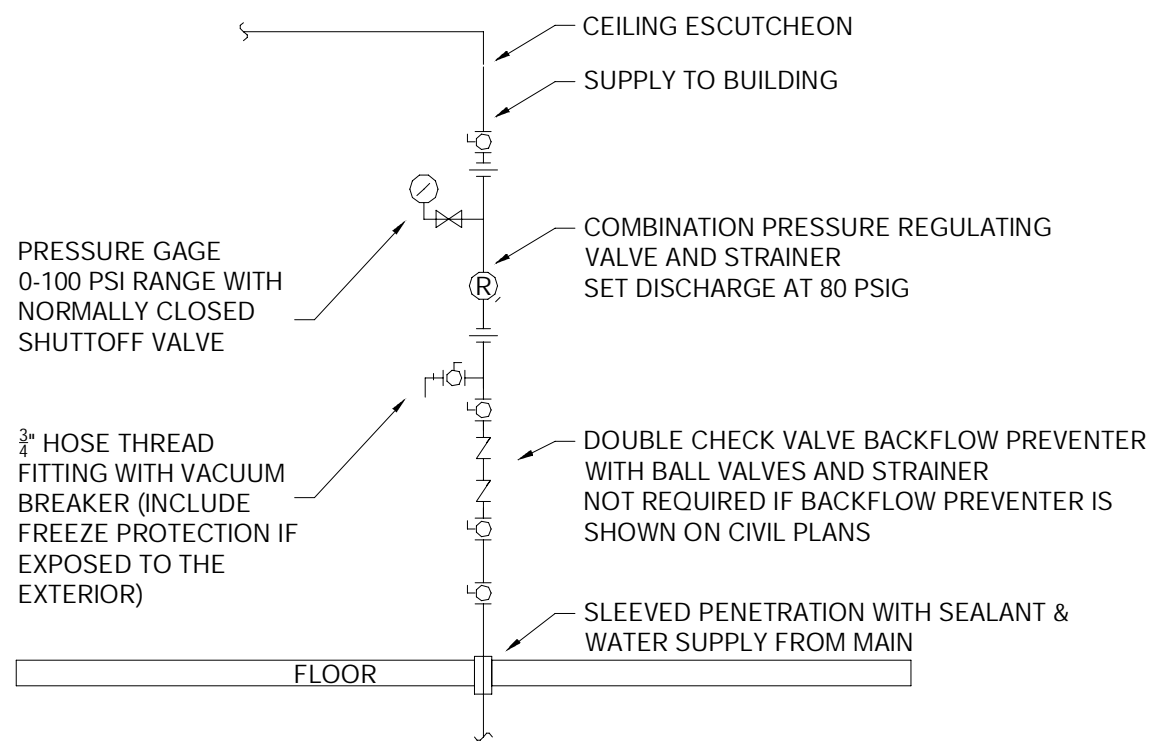
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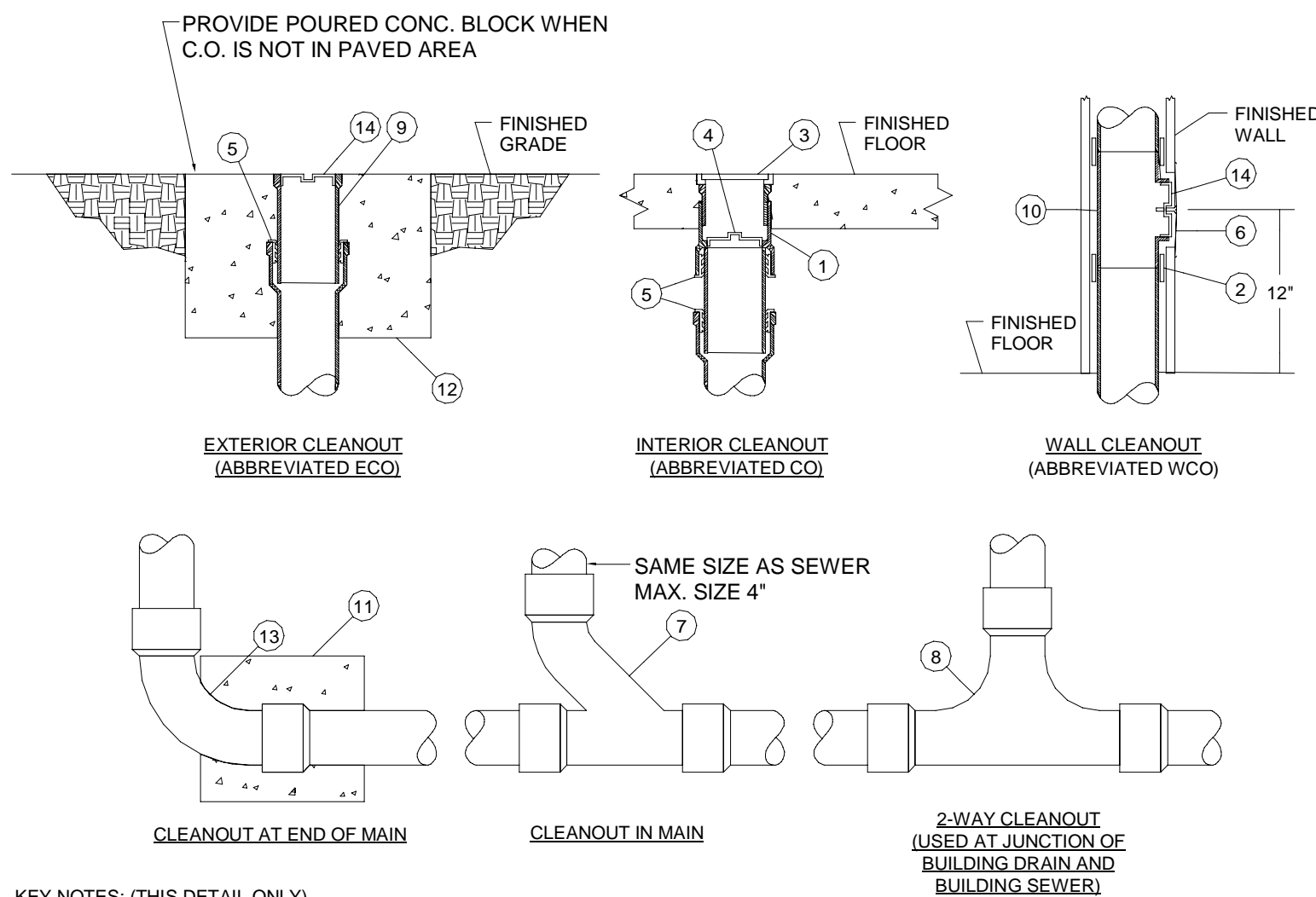
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SECOND FLOOR -  
PLUMBING -  
PRESSURE

SHEET NUMBER  
P1.4



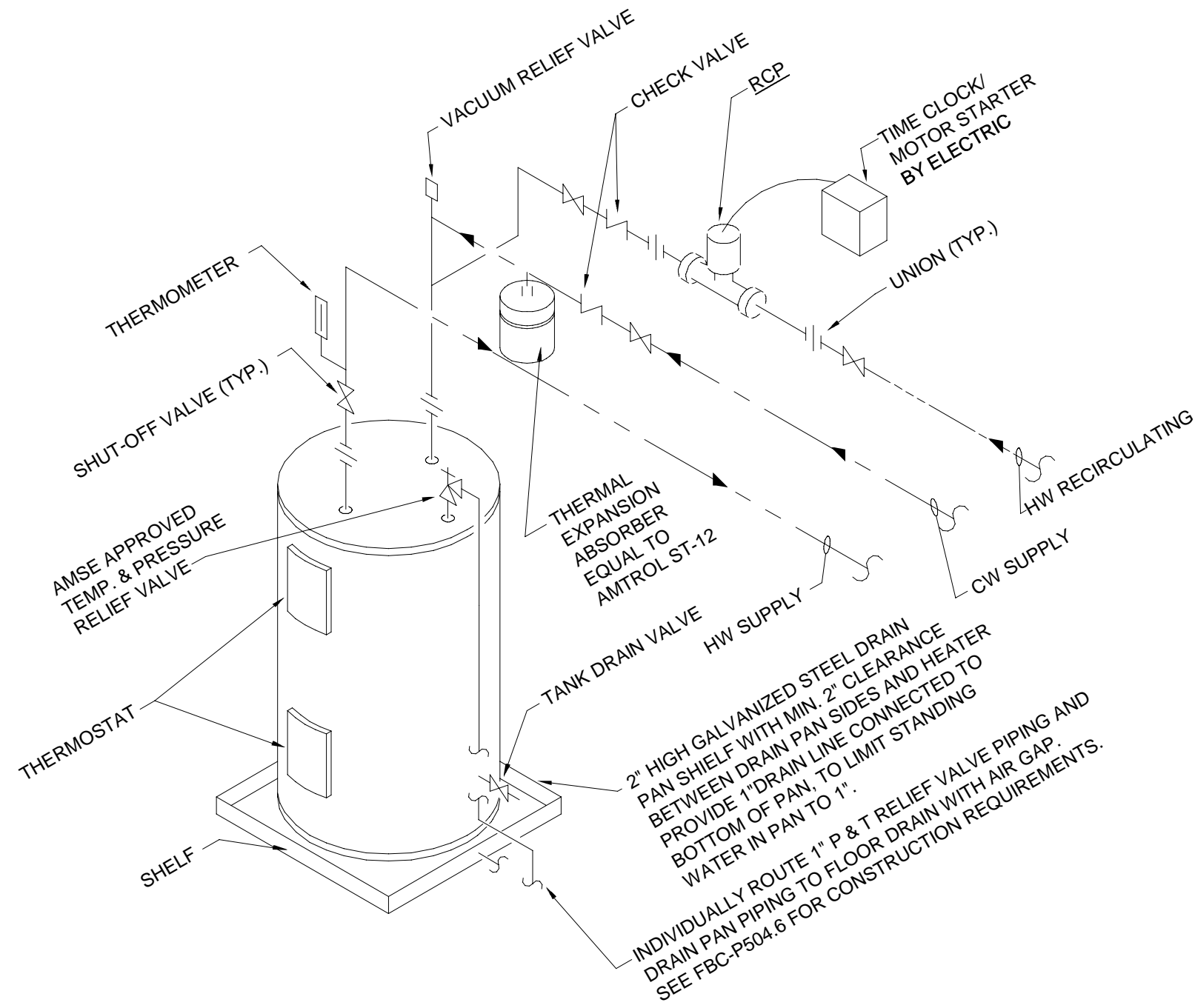


**1 WATER SERVICE ENTRANCE DETAIL**  
P5.1 SCALE: NTS

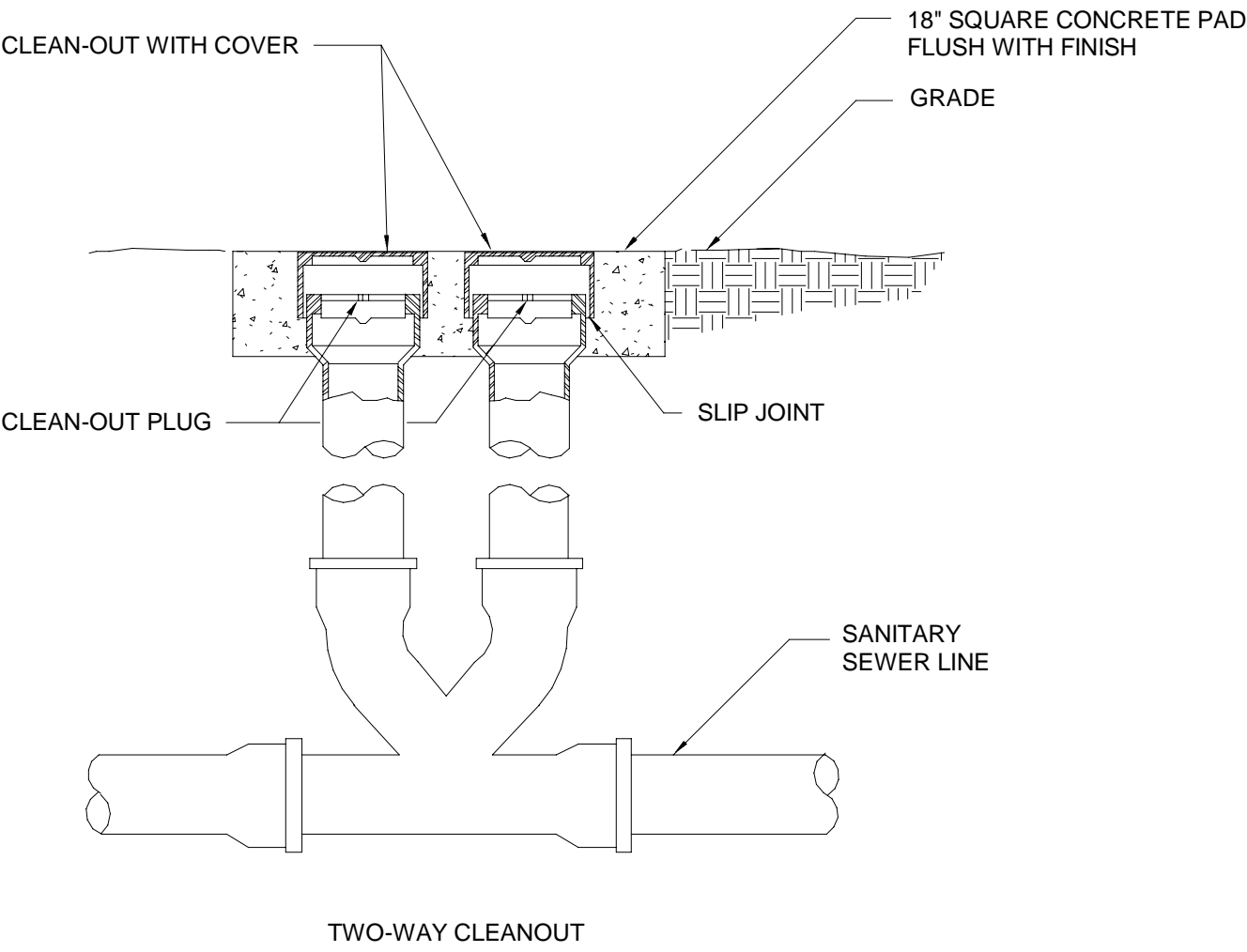


- KEY NOTES: (THIS DETAIL ONLY)
- CAST IRON 2-PIECE CLEANOUT BODY WITH ADJUSTABLE HEAD.
  - NO-HUB COUPLING (FOR ABOVE GROUND APPLICATION ONLY).
  - POLISHED NICKEL BRONZE SCORIATED TOP (PROVIDE CARPET MARKER FOR CARPETED FLOORS).
  - BRONZE TAPERED THREAD, RAISED HEAD CLEANOUT PLUG.
  - PUSH-ON NEOPRENE RUBBER COMPRESSION GASKET.
  - STAINLESS STEEL ROUND WALL ACCESS COVER.
  - COMBINATION "Y" & 1/8" BEND FITTING.
  - TWO-WAY CLEANOUT FITTING.
  - CAST IRON CLEANOUT FERRULE.
  - CAST IRON CLEANOUT TEE.
  - 12" x 12" x 12" CONCRETE THRUST BLOCK.
  - 24" x 24" x 12" CONCRETE PAD FLUSH WITH GRADE.
  - LONG SWEEP ELBOW.
  - BRONZE TAPERED THREAD, RECESSED HEAD CLEANOUT PLUG.

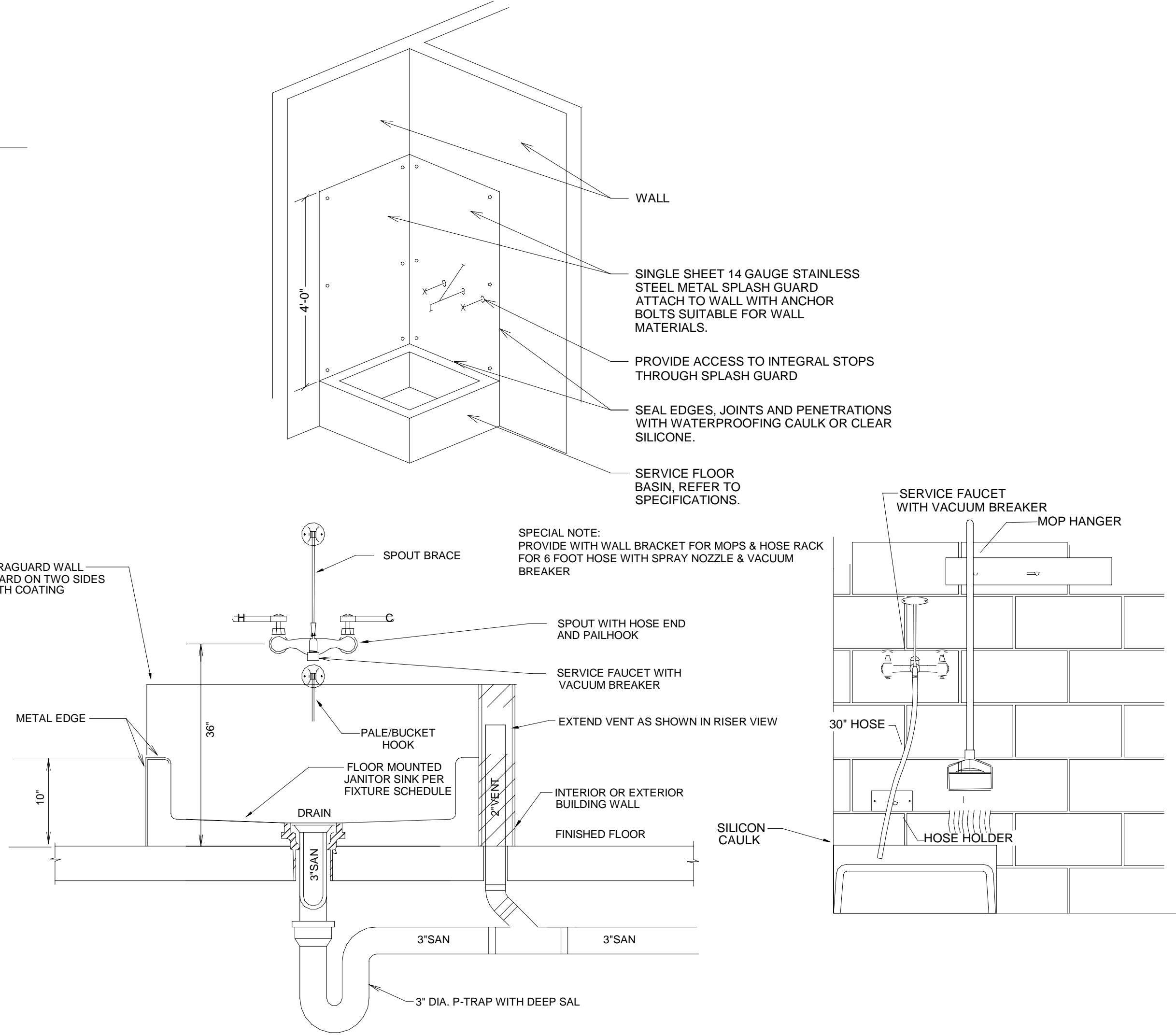
**3 TYPICAL CLEANOUT DETAIL**  
P5.1 SCALE: NTS



**2 ELECTRIC WATER HEATER DETAIL**  
P5.1 SCALE: NTS



**4 OUTSIDE CLEANOUT DETAIL**  
P5.1 SCALE: NTS



**5 MOP SINK DETAIL**  
P5.1 SCALE: NTS

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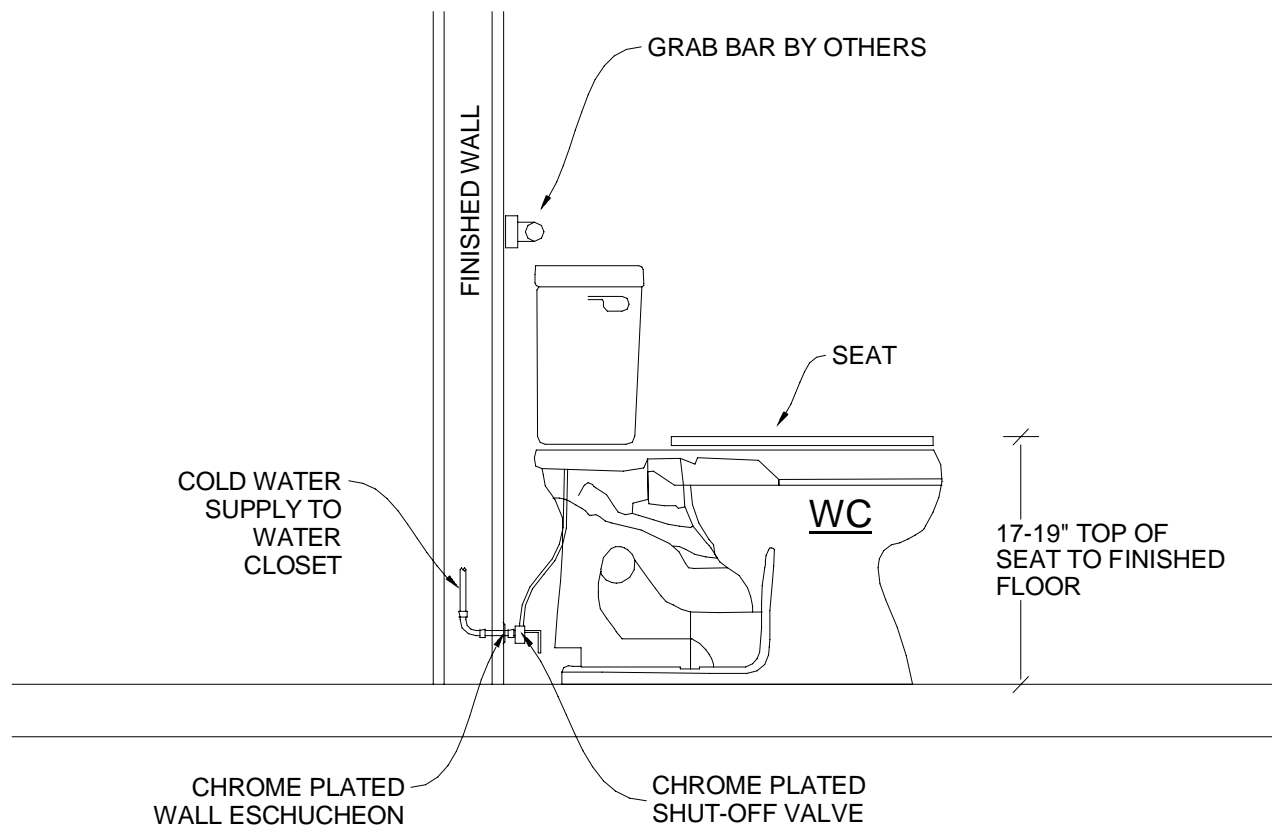
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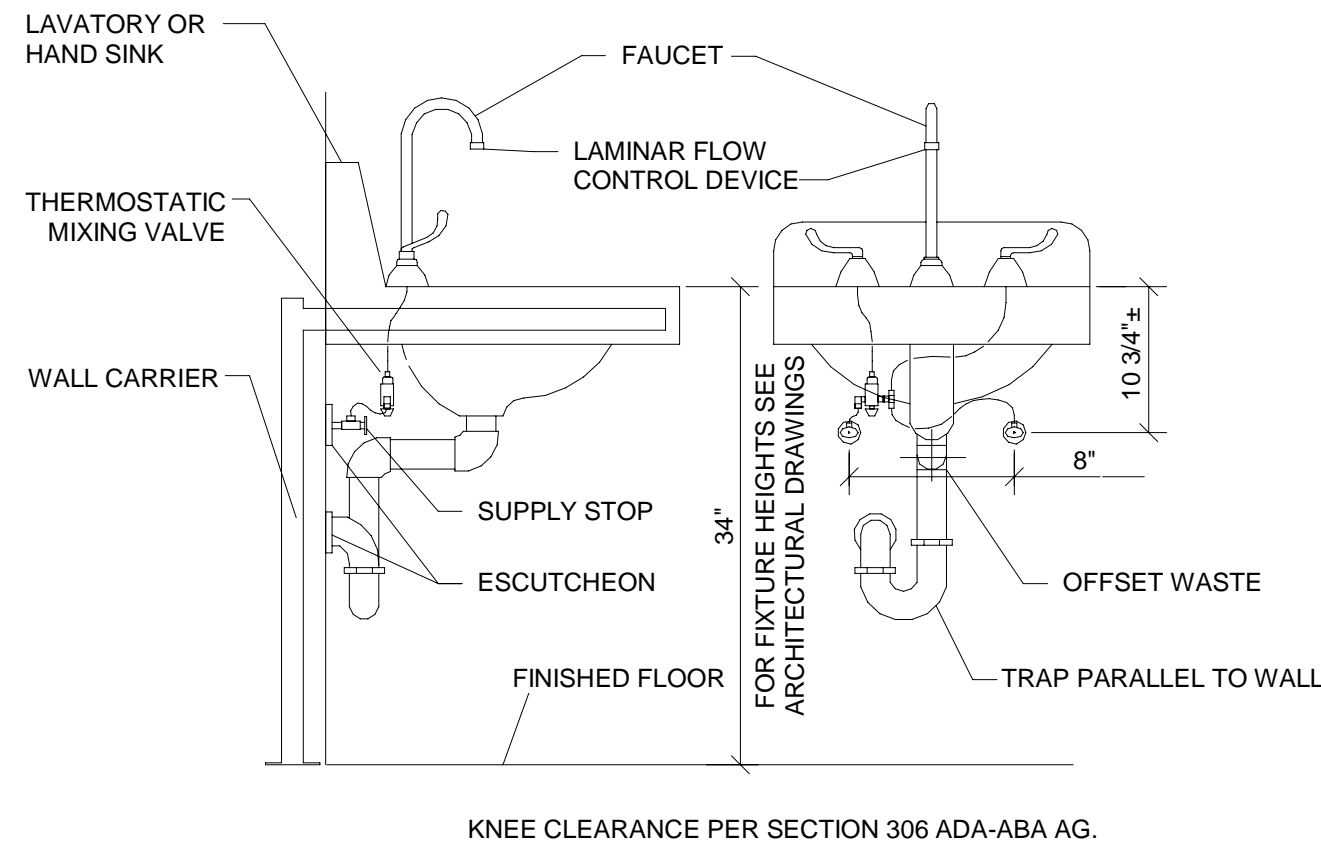
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**PLUMBING DETAILS**

SHEET NUMBER  
**P5.1**

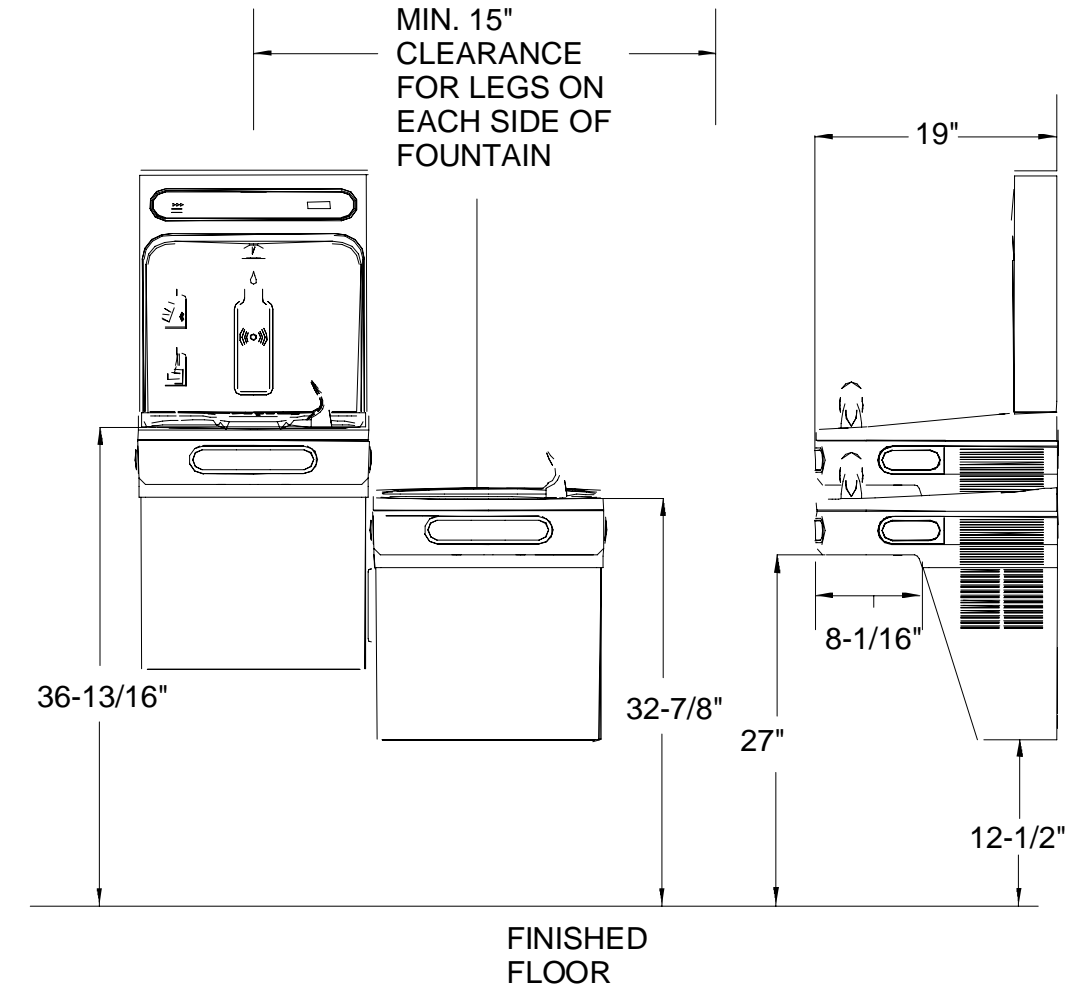




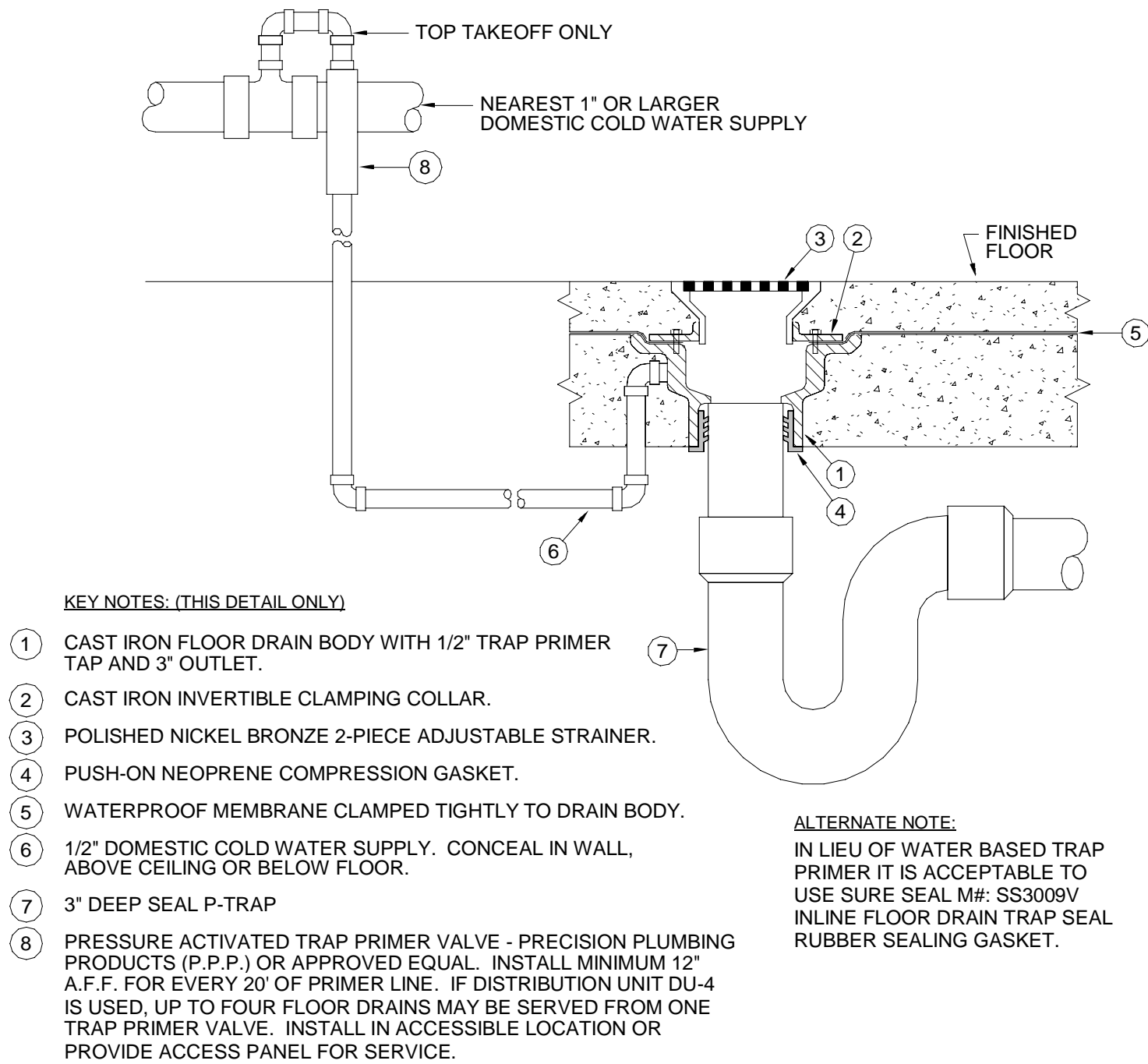
1 ADA FLUSH TANK WATER CLOSET DETAIL  
P5.2 SCALE: NTS



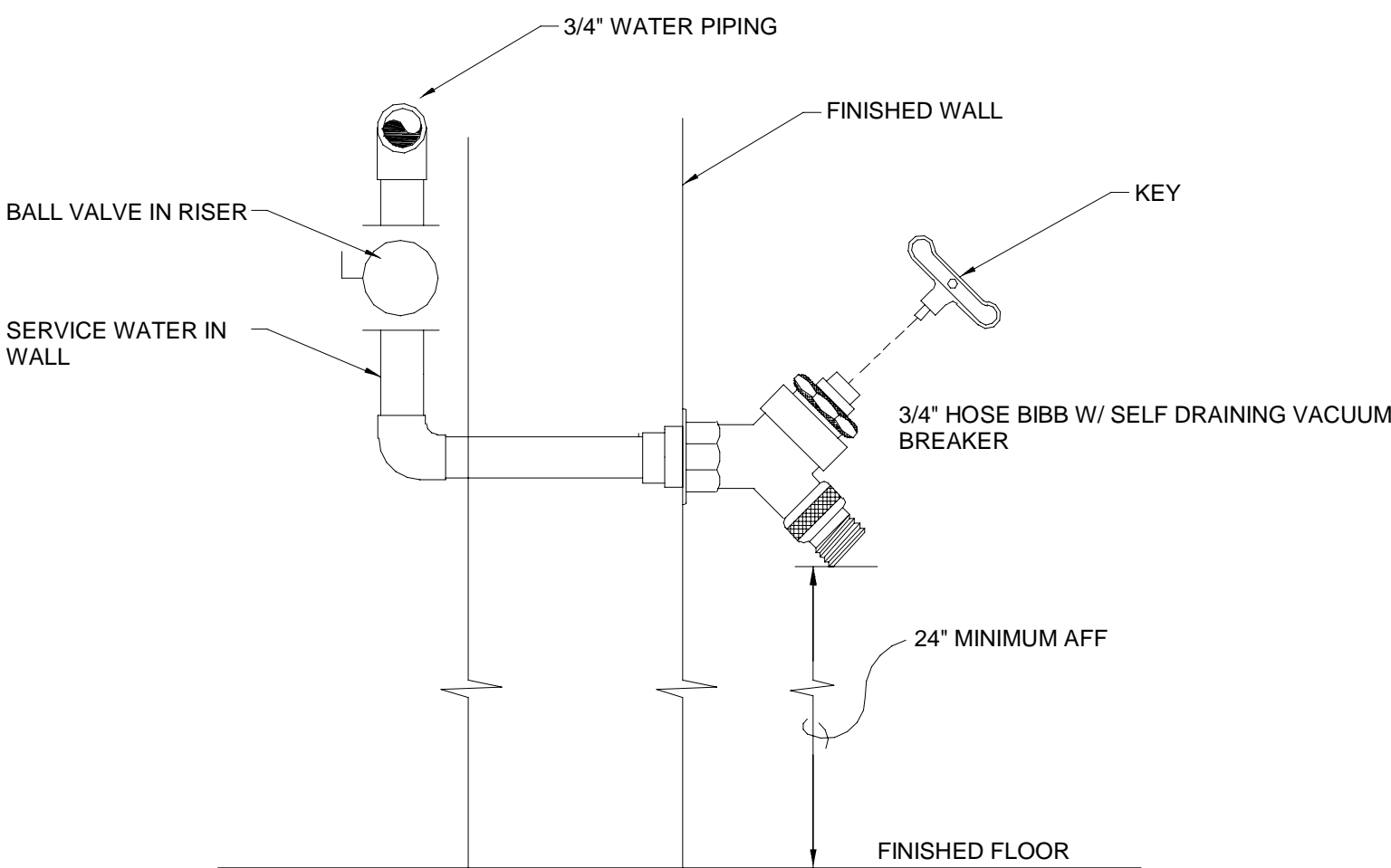
2 LAV WITH THERMOSTATIC MIXING VALVE DETAIL  
P5.2 SCALE: NTS



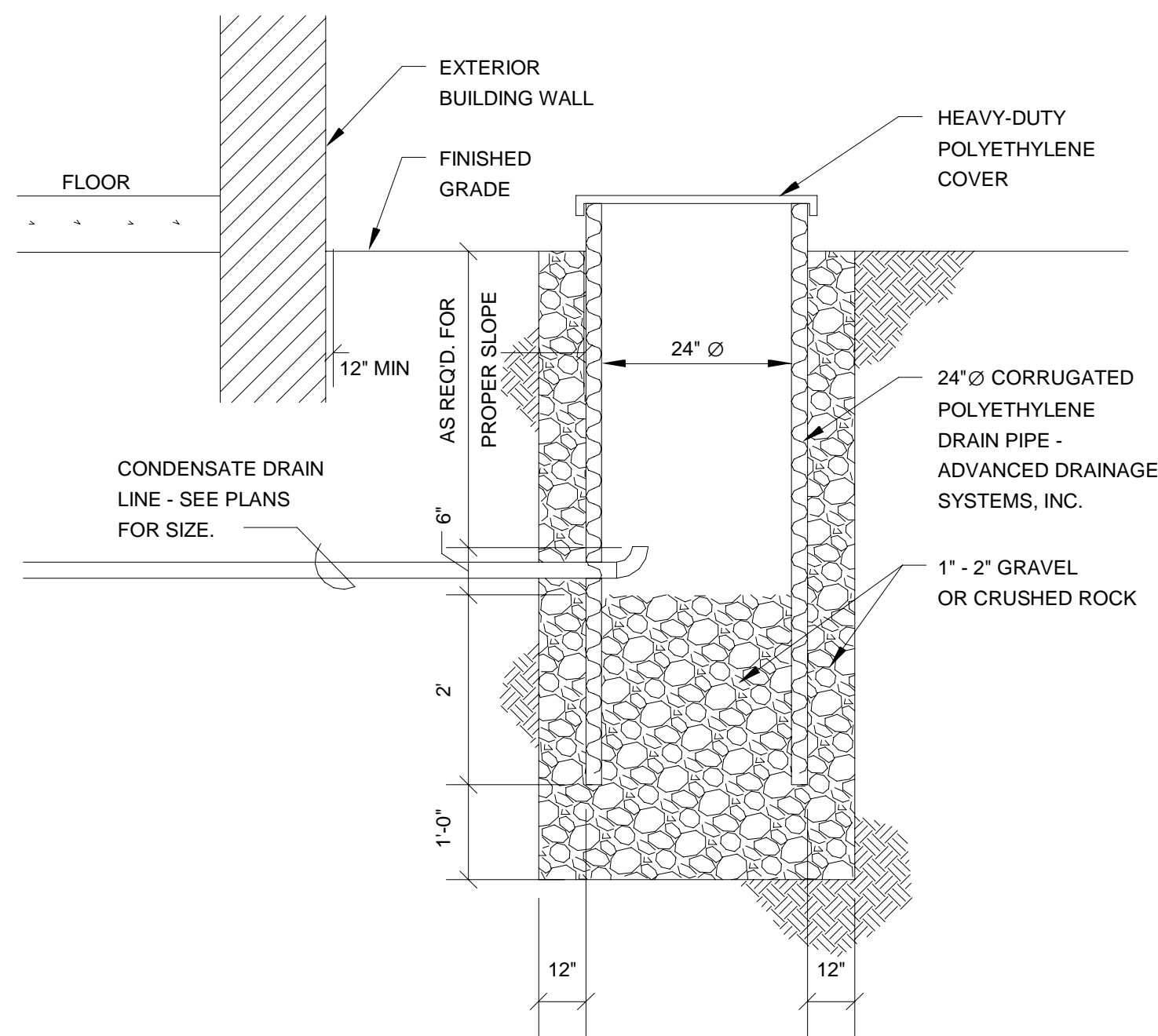
3 ADA DUAL HEIGHT DRINKING FOUNTAIN DETAIL  
P5.2 SCALE: NTS



4 FLOOR DRAIN (CONCRETE FLOOR) DETAIL  
P5.2 SCALE: NTS



5 HOSE BIBB DETAIL  
P5.2 SCALE: NTS



6 CONDENSATE DRY WELL DETAIL  
P5.2 SCALE: NTS

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SHEET TITLE  
PLUMBING DETAILS





SHEET NUMBER  
P5.2



PLUMBING FIXTURE UNIT CALCULATION									
Mark	QUANTITY	CWFU	TOTAL CWFU	HWFU	TOTAL HWFU	TWUFU	COMBINED FU	WFU	TOTAL WFU
EWC	2	0.25	0.5	0	0	0.25	0.5	0.5	1
FD	11	0	0	0	0	0	0	3	33
FS	1	0	0	0	0	0	0	0	0
HB	4	0	0	0	0	0	0	0	0
HD	3	0	0	0	0	0	0	0	0
IM	1	0.25	0.25	0	0	0.25	0.25	0	0
LAV	10	1	10	1	10	2	20	1	10
MS	1	2.25	2.25	2.25	2.25	4.5	4.5	3	3
RCP	1	0	0	0	0	0	0	0	0
SH	6	3	18	3	18	6	36	3	18
SK	2	1	2	1.7	3.4	2.7	5.4	2	4
UR	2	5	10	0	0	5	10	2	4
WC1	8	2.2	17.6	0	0	2.2	17.6	2.2	17.6
WC2	4	2.2	8.8	0	0	2.2	8.8	2.2	8.8
TOTAL	56		69.4		33.65		103.05		99.4

NOTE: FIXTURE UNITS BASED ON FBC-P TABLES 709 & E103.3(2).

BUILDING SERVICE PIPING			
TYPE	NEW+EX FU	DEV LENGTH	SIZE
DCW METER	125	170'	1-1/2"
DCW DISTRIBUTION			1-1/2"
SEWER	120	120'	4"
REMARKS: RESIDUAL PRESSURE: 81 PSI WATER LINES SIZED PER FBC-P TABLE E201.1 SEWER SIZED PER FBC-P TABLE 710.1(1) UPGRADE EXISTING METER TO SIZE SHOWN CONNECT NEW BUILDING AND EXISTING BUILDING SERVICE ENTRANCES TO NEW METER			

PLUMBING FIXTURE SCHEDULE							
MARK	FIXTURE TYPE	MFG/MODEL	FIXTURE DESCRIPTION	CW	HW	SAN	IMAGE
EWC	ADA DUAL HEIGHT DRINKING FOUNTAIN	ELKAY/LZSTL8WSLK	WALL MOUNT DUAL HEIGHT ADA ELECTRIC WATER COOLER WITH BOTTLE FILLER, FILTERED, REFRIGERATED, CHILLING CAPACITY OF 8 GPH OF 50 DEGREE DRINKING WATER. ELECTRONIC BOTTLE FILLER SENSOR WITH ELECTRONIC FRONT AND SIDE PUSHBAR ACTIVATION, MCGUIRE 17 GA FULLY CAST BRASS P-TRAP AND TAILPIECE. MCGUIRE ANGLE SUPPLY STOPS AND BRAIDED STAINLESS STEEL SUPPLY. CHROME PLATED ESCUTCHEON PLATE WITH SET SCREW. PROVIDE BACKFLOW PREVENTER AND WALL CARRIER.	1/2"		1 1/2"	
EWB	ELECTRIC WATER HEATER	A.O. SMITH/DRE-120-30	120 USG TANK, 90GAL STORAGE, HEATING. 430LBS SHIPPING WEIGHT. 208-230V/1PH, 6 ELEMENTS 5KW EACH, FLA 125A.	1 1/4"	1 1/4"		
FD	FLOOR DRAIN	WATTS/FD-1200-A	EPOXY COATED CAST IRON BODY WITH ANCHOR FLANGE, WEEPHOLES, ADJUSTABLE HEAVY DUTY ROUND STAINLESS STEEL STRAINER, AND NO-HUB OUTLET. TRAP PRIMER CONNECTION.	1/4"		3"	
FS	FLOOR SINK	WATTS/FS-742	SQUARE X 8 IN. DEEP SANITARY FLOOR SINK WITH WHITE PORCELAIN ENAMEL COATED INTERIOR, LOOSE SET PORCELAIN ENAMEL COATED CAST IRON GRATE, ALUMINUM DOME BOTTOM STRAINER, AND NO HUB (STANDARD) OUTLET.			2"	
HB	WALL HYDRANT	WOODFORD/24	ANTI-SIPHON, VACUUM BREAKER PROTECTED WALL FAUCET, AND LOOSE-KEY OPERATION.	1/2"			
HD	HUB DRAIN	WATTS/FD-203-DD	ON-GRADE, EPOXY-COATED, CAST IRON DRAIN WITH ANCHOR FLANGE, WEEPHOLES, HUB FUNNEL, AND NO HUB OUTLET			1 1/2"	
IM	ICE MAKER BOX	GUY GREY/88531	4"x5" RECESSED SUPPLY BOX WITH WALL FLANGE MANUFACTURED FROM 18 GAUGE STEEL WITH WHITE POWDER COAT FINISH. FURNISH WITH 1/2"x1/4" COMPRESSED ANGLE VALVE.	1/2"			
LAV	DROP-IN OVAL LAVATORY	KOHLER/K-2699-4	BRYANT, SELF-RIM, 4" CENTER HOLES, FAUCET, DEVONSHIRE K-393-N4 OR SIMILAR. QUARTER STOPS, POP DRAIN, LAV SHIELD, TMV.	1/2"	1/2"	1 1/2"	
MS	MOP SINK	STERN WILLIAMS/SB-900-BP	FLOOR MOUNTED PRECAST TERRAZO WITH STAINLESS STEEL CAP, 24"x24"x12". DRAIN BODY SHALL BE STAINLESS STEEL CAST INTEGRAL, AND SHALL PROVIDE FOR A CAULKED CONNECTION AND NOT LESS THAN 1" DEEP TO A 3" PIPE.	1/2"	1/2"	3"	
RCP	HOT WATER CIRCULATING PUMP	TACO/SMART PLUS 006E	TACO SMARTPLUS-E ECM, SMART MODE DEMAND CONTROLLED HOT WATER RECIRC, MAX 11GPM, 1'3" HEAD, AND 150PSI OPERATION, 1" UNION WITH 1-2" - 3/4" FITTING OPTIONS. 120V SMART PLUG, 44W ,0.54 AMPS.		1 1/4"		
SH	SHOWER	KOHLER/KSS-PURIST-4-RT HS-CP	TUB/FLOOR SELECTED BY ARCHITECT, FLOOR DRAIN WHERE NEEDED. KOHLER ADA PURIST SHOWER KIT INCLUDES K-22178-G-CP 1.75 GPM HANDSHOWER K-22166, WALL MOUNT, HOSE, SLIDEBAR, LOW FLOW SHOWER HEAD, PURIST ADA RITE-TEMP VALVE LEVER HANDLE K-TS14423-4-CP AND PRESSURE BALANCING VALVE, SUPPLY ELBOW AND CHECK VALVE, TRIM, TRANSFER VALVE AND K-939 HEAD. POLISHED CHROME. TMV.	1/2"	1/2"	3"	
SK	SINGLE COMP SS SINK	ELKAY/LRAD191955	COUNTERTOP SINGLE COMPARTMENT SINK, ADA, S.S., 20"x19", TYPE 302, 18 GAGE S.S. SINK, BOWL SHALL BE 16"x13-1/2"x5-1/2" DEEP. PAIRS WITH LK406GN04L2 FAUCETS.	1/2"	1/2"	1 1/2"	
UR	URINAL	AMERICAN STANDARD/6590	WASHBROOK 0.125GPF URINAL, INSTALL WITH WALL CARRIER AND WATER HAMMER ARRESTOR. MANUAL FLUSH VALVE AS6045.013.002, 3/4" TOP SPUD.	3/4"		2"	
WC1	PRIVATE - WATER CLOSET	AMERICAN STANDARD/215AA104	WATER CLOSET, FLOOR MOUNT, FLUSH TANK, VITREOUS CHINA, SIPHON JET FLUSHING ACTION, 1.28 GPF.	1/2"		3"	
WC2	PRIVATE ADA - WATER CLOSET	AMERICAN STANDARD/215AA104	WATER CLOSET, ADA, FLOOR MOUNT, FLUSH TANK, VITREOUS CHINA, SIPHON JET FLUSHING ACTION, ELONGATED RIM, MIN. 17" RIM HEIGHT, A.F.F AND A 12" ROUGH IN. 1.28 GPF.	1/2"		3"	

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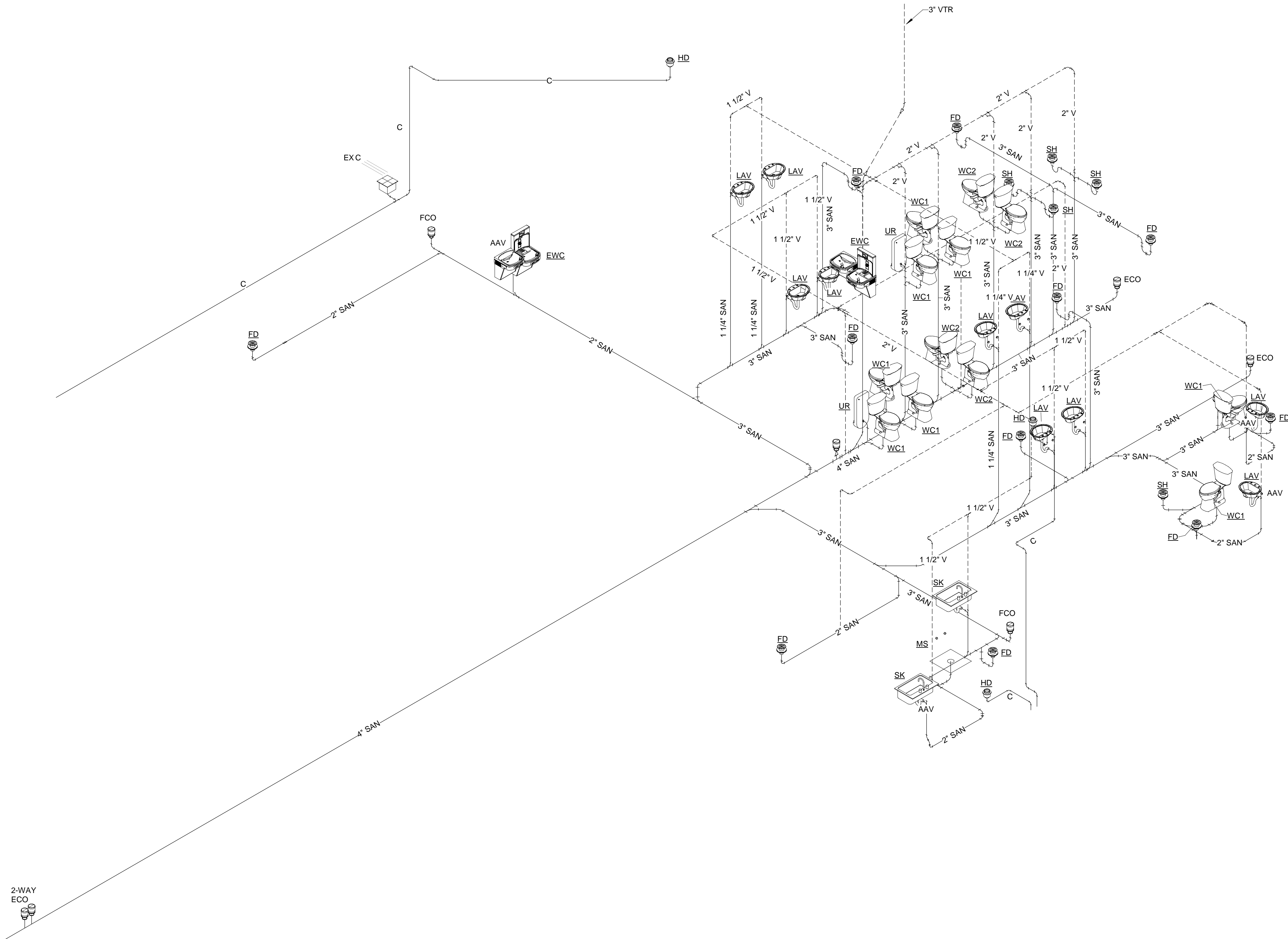
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CALCULATIONS &  
SCHEDULES

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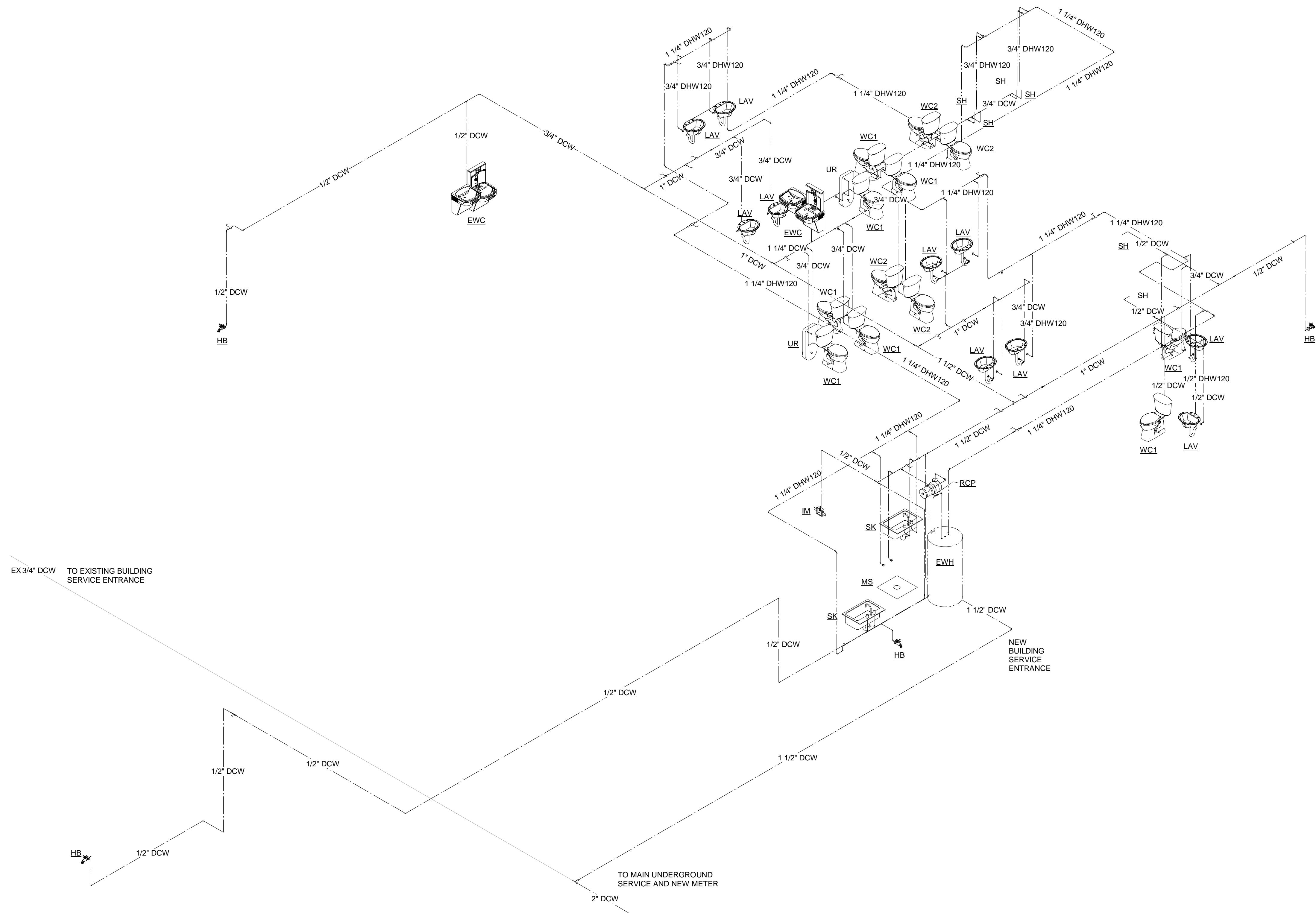
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RISER DIAGRAM -  
DRAIN & VENT

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P9.1





SUBMITTAL			
PHASE	DATE	DRAWN	CHECK
50%	10/27/23	BK	BK
75%	11/03/23	KW	BK
90%	11/09/23	DO	BK
100%	11/17/23	DO	BK
PERMIT	01/08/23	BK	REGII

REVISIONS	
#	REMARKS

PROJECT NUMBER  
AW23001

PHASE  
CONSTRUCTION DOCS

SHEET TITLE  
RISER DIAGRAM -  
PRESSURE

SHEET NUMBER