

PLUMBING NOTES

GENERAL CONDITIONS

- SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS REQUIRED TO COMPLETE ALL WORK SHOWN ON THE CONTRACT DRAWINGS.
- ALL CONSTRUCTION SHALL CONFORM TO APPLICABLE CODE STANDARDS INCLUDING:
 - FLORIDA BUILDING CODE, BUILDING, 8TH EDITION (2023)
 - FLORIDA BUILDING CODE, PLUMBING, 8TH EDITION (2023)
 - FLORIDA BUILDING CODE, MECHANICAL, 8TH EDITION (2023)
 - FLORIDA BUILDING CODE, ENERGY CONSERVATION CODE, 8TH EDITION (2023)
 - NFPA 70, NATIONAL ELECTRIC CODE (NEC) 2020 EDITION
 - STATE AND LOCAL CODES AND ORDINANCES
- THE BIDDERS SHALL INSPECT THE PRESENT JOB SITE CONDITIONS BEFORE PREPARING A BID. THE SUBMISSION OF A BID WILL BE CONSIDERED EVIDENCE THAT SUCH A VISIT AND INSPECTION WAS PERFORMED BY THE BIDDER AND THAT HE TAKES FULL RESPONSIBILITY FOR ALL FACTORS GOVERNING HIS WORK.
- THE CONTRACTOR IS EXPECTED TO PROVIDE PROFESSIONAL WORK PERFORMED IN ACCORDANCE WITH INDUSTRY STANDARDS AND GOOD PRACTICE. WORK SHALL CONFORM TO THE MANUFACTURER'S INSTRUCTIONS AND THE REQUIREMENTS OF THE LOCAL HEALTH DEPARTMENT.
- THE CONTRACTORS ARE EXPECTED TO FIELD VERIFY ALL DIMENSIONS. CONTRACTORS ARE EXPECTED TO COORDINATE IN ORDER TO AVOID INTERFERENCE BETWEEN TRADES. CONTRACTORS ARE EXPECTED TO INSTALL EQUIPMENT SUCH THAT PROPER MAINTENANCE CLEARANCES ARE MAINTAINED FOR EQUIPMENT OF ALL TRADES. IF CHANGES TO THE CONTRACT DOCUMENTS ARE NECESSARY TO AVOID CONFLICTS, THE CONTRACTOR IS RESPONSIBLE FOR REQUESTING CLARIFICATION IN A TIMELY FASHION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEFICIENCIES ASSOCIATED WITH WORK PERFORMED BEFORE OBTAINING CLARIFICATION.
- UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL CLEAN SPACES THAT WERE OCCUPIED BY TEMPORARY WORK AND TEMPORARY FACILITIES. REMOVE DEBRIS, RUBBISH AND EXCESS MATERIALS FROM THE SITES. REPAIR DAMAGES CAUSED BY INSTALLATION OR USE OF TEMPORARY FACILITIES.

GENERAL PLUMBING NOTES

- PLUMBING PLANS ARE SCHEMATIC. LOCATE PIPING TO AVOID FIELD INTERFERENCES. CHANGES IN THE PIPING SCHEMATIC REQUIRE PRIOR APPROVAL OF THE ENGINEER.
- TRANSITION CONNECTION BETWEEN SITE PIPING AND BUILDING PLUMBING SHALL OCCUR IN AN ACCESSIBLE GREEN SPACE.
- THE CONTRACTOR IS EXPECTED TO VERIFY DIMENSIONS AND FIELD FABRICATE PIPING AS NECESSARY TO ACCOMMODATE CONDITIONS.
- PRIOR TO ANY NEW WORK THE CONTRACTOR SHALL VERIFY BY ALL MEANS AVAILABLE THE DIRECTION OF FLOW OF ALL EXISTING PIPING THAT WILL BE TIED INTO FOR THE NEW WORK. REPORT TO THE ENGINEER ANY DIFFERENCES FROM WHAT THE CONTRACT DOCUMENTS SHOW.

MATERIALS AND DEVICES

- ALL MATERIALS, EQUIPMENT AND APPARATUS COVERED BY THIS SPECIFICATION SHALL BE NEW, OF CURRENT MANUFACTURE.
- SEE PROJECT SPECIFICATIONS FOR MATERIALS.
- CONNECTION JOINTS BETWEEN PLASTIC AND METALLIC PIPE SHALL BE MADE WITH TRANSITION FITTING FOR THE SPECIFIC PURPOSE.
- CONNECTIONS TO WATER HEATERS AND BETWEEN FERROUS AND NONFERROUS METALLIC PIPE SHALL BE MADE WITH DIELECTRIC FITTINGS.

PIPING NOTES

- INSTALL GRAVITY LINES AT UNIFORM GRADES.
- INSTALL SLEEVES AT ALL PENETRATIONS WHERE CONCRETE MIGHT CONTACT COPPER PIPING. PROVIDE SLEEVES AND SEAL ALL PENETRATIONS OF FULL HEIGHT WALLS AIR TIGHT. PROVIDE SLEEVES AT ALL PENETRATIONS OF FLOOR. PROVIDE POLY PIPE COVER OR INSULATION WHERE COPPER PIPING IS ENCASED WITHIN CMU WALLS.
- LOCATE ALL VALVES AND OTHER DEVICES WHICH REQUIRE MAINTENANCE IN ACCESSIBLE LOCATIONS. PROVIDE ACCESS PANELS IF NECESSARY.
- PIPING INSTALLATIONS ARE EXPECTED TO BE RIGID. SUPPORT AND SECURE PIPING IN ACCORDANCE WITH GOOD PRACTICE.
- SEE SPECIFICATIONS FOR HOT WATER PIPING INSULATION REQUIREMENTS. PROFESSIONAL INSTALLATION IS EXPECTED.
- LABEL ALL HOT, TEMPERED & COLD DOMESTIC WATER SUPPLY & RETURN PIPING AT EACH VALVE LOCATION & NO LESS THAN 20" O.C.
- HOT WATER PIPE INSULATION SHALL BE RIGID GLASS FIBER INSULATION WITH A NOMINAL DENSITY OF 3 POUNDS PER CUBIC FOOT WITH A THERMAL CONDUCTIVITY BETWEEN 0.21 AND 0.28 AT 100 DEG F MEAN TEMPERATURE. INSULATION COVER SHALL BE AN ALL SERVICE JACKET WITH DOUBLE SELF-SEALING LAPS, WITH SELF-SEALING BUTT STRIPS. INSULATION THICKNESS SHALL BE ONE INCH (1") THICK FOR PIPE SIZES 3/4" TO 1-1/2", AND (1-1/2") THICK FOR PIPE SIZES 1-1/2" TO 4" PER FBC-PLUMBING 607.5 AND FBC-ENERGY CONSERVATION TABLE C403.2.10.

FIXTURES AND TRIM:

- EQUIPMENT SHALL BE UNDAMAGED AND CLEANED.
- ALL EXPOSED SINK AND LAVATORY DRAIN PIPING SHALL BE SCHEDULE 40 PVC. TRAPS SHALL BE SCHEDULE 40 PVC WITH CLEANOUT PLUGS.
- ESCUTCHEONS SHALL BE CHROME PLATED CAST BRASS WITH SET SCREW.

CLOSEOUT, TESTING AND INSPECTIONS


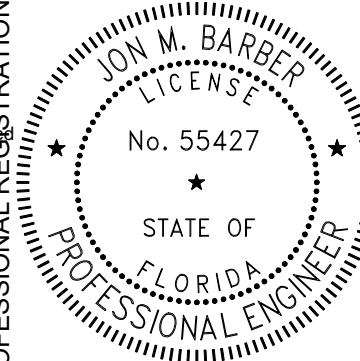
- COORDINATE INSPECTIONS WITH THE SPECIFICATIONS.
- ALL DOMESTIC WATER PIPING SHALL BE STERILIZED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN THE FBC, PLUMBING CODE.
- ALL WATER SUPPLY PIPING SHALL BE LEAK TESTED IN ACCORDANCE WITH THE FBC, PLUMBING CODE BUT NOT LESS THAN 100 PSI.
- ALL WASTE AND VENT PIPING SHALL BE LEAK TESTED IN ACCORDANCE WITH THE FBC, PLUMBING CODE BUT NOT LESS THAN 10' OF HEAD.
- CONTRACTOR SHALL CAMERA SEWER LINES AND PROVIDE SMOKE TEST OF THE ENTIRE WASTE AND VENT SYSTEM.
- NO PIPING SHALL BE COVERED OR CLOSED UP BEFORE INSPECTION AND APPROVAL. PROVIDE TEST TEES AT CONNECTION TO EXISTING AT EACH FLOOR & AS NEEDED FOR COMPLETE TESTING.

PLUMBING LEGEND

— 4" —	EXISTING SANITARY PIPING
--- 1"V ---	EXISTING VENT PIPING
--- 3"WM ---	EXISTING WM PIPING
.....	EXISTING PIPING/EQUIPMENT TO BE REMOVED OR DEMOLISHED
— 4" —	SANITARY PIPING
--- 2"V ---	VENT PIPING
— 1/2" G —	NATURAL GAS PIPING
— 1/2" CW —	COLD WATER PIPING
--- 2" CWS ---	COLD WATER SERVICE PIPING
--- 1/2" HW ---	HW PIPING
— 1/2" HWR —	HWR PIPING
— 3" CD —	CONDENSATE PIPING
--- 1" P ---	TRAP PRIMER LINE (1/2" U.N.O.)
— — —	CAP
— — —	ELBOW TURNED UP
— — —	ELBOW TURNED DOWN
— — —	TEE, OUTLET UP
— — —	TEE, OUTLET DOWN
— — —	BALL VALVE
— — —	PRESSURE REGULATOR
— — —	FIRE ALARM SHUT-OFF VALVE
— — —	SWING CHECK VALVE
— — —	WATER HAMMER ARRESTER
— — —	MANUAL GAS SHUTOFF VALVE, PRESSURE REGULATOR, AND METER
— — —	CONNECTION, NEW TO EXISTING
— — —	LIMIT OF DEMOLITION

ABBREVIATIONS

AC	ABOVE CEILING
AF	ABOVE FLOOR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AS	ABOVE SLAB
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
BG	BELOW GRADE
BS	BELOW SLAB
CA	COMPRESSED AIR
CO	CLEANOUT
CS	CUP SINK
CW	COLD WATER
CWS	COLD WATER SERVICE
DN	DOWN
EXIST	EXISTING
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
HD	HUB DRAIN
HW	HOT WATER
HWR	HOT WATER RETURN
G	NATURAL GAS
INV EL	INVERT ELEVATION
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
N.S.	NO SUBSTITUTES
N/A	NOT APPLICABLE
PDI	PLUMBING DRAINAGE INSTITUTE
PH	PHASE
S	SOIL
SAN	SANITARY
SK	SINK
TP	TRAP PRIMER
TYP	TYPICAL
UDS	UTILITY DISTRIBUTION SYSTEM
U.N.O.	UNLESS NOTED OTHERWISE
V	VENT
W	WASTE
WCO	WALL CLEANOUT
WM	WATER MAIN
XT	EXPANSION TANK

DATE	REVISION	SYMBOL	DATE	REVISION	SYMBOL
ISSUE DATE: 08/23/2024	COMP. FILE NO.:	STATE PROJECT No.:			
DESIGNER: TEP	DRAWN BY: TEP	REVIEWED BY: JB			
Consultant:					
					
RECEIVED STATE CONSTRUCTION 09-24-2024					
EDWARD BALL WAKULLA SPRINGS STATE PARK PLUMBING NOTES AND LEGEND INTERPRETIVE CENTER					
SHEET NO.					
P100					

Department of Environmental Protection
 Division of Recreation and Parks
 Bureau of Design and Construction
 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300

CONSTRUCTION DOCUMENTS

PLUMBING FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MODEL	TRIM & ACCESSORIES	FIXTURE CONNECTIONS			
				CW	HW	WASTE	VENT
WC-1	WATER CLOSET - FLOOR MOUNT, WHITE VITREOUS CHINA, ELONGATED BOWL, SIPHON JET FLUSH, 1 1/2" TOP SPUD, 11" ROUGH-IN, 16 5/8" RIM HEIGHT, 1.6 GALLON FLUSH, MOUNT PER ADA REQUIREMENTS.	KOHLER K-96058 (N.S.)	SLOAN 111-1.6 EXPOSED FLUSH VALVE, DIAPHRAGM-TYPE, 1.6 GALLON FLUSH, CHROME PLATED, BEMIS 1955SSCT ELONGATED SOLID PLASTIC SELF-SUSTAINING OPEN FRONT SEAT WITH CHECK HINGE AND BOLT CAPS. ESCUTCHEON PLATE W/ SET SCREW.	1"		4"	2"
U-1	URINAL - WALL MOUNT, WHITE VITREOUS CHINA, 3/4" TOP SPUD, 0.5 GALLON FLUSH, 14 1/2" EXTENDED RIM, MOUNT PER ADA REQUIREMENTS.	KOHLER K-5016-ET (N.S.)	SLOAN REGAL 186 EXPOSED MANUAL FLUSH VALVE, 0.5 GALLON FLUSH, DIAPHRAGM VALVE, TOP SPUD.	3/4"		2"	2"
L-1	20 1/2"x17 1/2" DROP-IN VITREOUS CHINA LAVATORY, 3-HOLE INSTALLATION, ADA COMPLIANT.	KOHLER K-2196-4 (N.S.)	DELTA 501LF-HGMHDF SINGLE-HANDLED ADA LAVATORY FAUCET, 3-HOLE MOUNT, CHROME PLATED SOLID BRASS CONSTRUCTION, VANDAL RESISTANT LEVER HANDLE, 0.5GPM, WITHOUT POP-UP ASSEMBLY, METAL GRID STRAINER, MCGUIRE 1-1/4" TRAP W/ PRODRAIN OFFSET ASSEMBLY, PRE-WRAPPED CHROME PLATED HEAVY CAST BRASS ADJUSTABLE P-TRAP W/ CLEANOUT, TAILPIECE, SLIP NUTS, 17A, SEAMLESS TUBULAR BRASS WALL BEND, MCGUIRE 167LK ANGLE SUPPLY STOPS, FLEXIBLE CHROME PLATED RISERS, CHROME ESCUTCHEON PLATES W/ SET SCREWS.	1/2"	1/2"	2"	1 1/2"
L-2	21 1/2"x18 1/2" WALL-HUNG VITREOUS CHINA LAVATORY, 3-HOLE INSTALLATION, ADA COMPLIANT.	KOHLER K-2005-0 (N.S.)	DELTA 501LF-HGMHDF SINGLE-HANDLED ADA LAVATORY FAUCET, 3-HOLE MOUNT, CHROME PLATED SOLID BRASS CONSTRUCTION, VANDAL RESISTANT LEVER HANDLE, 0.5GPM, WITHOUT POP-UP ASSEMBLY, METAL GRID STRAINER, MCGUIRE 1-1/4" TRAP W/ PRODRAIN OFFSET ASSEMBLY, PRE-WRAPPED CHROME PLATED HEAVY CAST BRASS ADJUSTABLE P-TRAP W/ CLEANOUT, TAILPIECE, SLIP NUTS, 17A, SEAMLESS TUBULAR BRASS WALL BEND, MCGUIRE 167LK ANGLE SUPPLY STOPS, FLEXIBLE CHROME PLATED RISERS, CHROME ESCUTCHEON PLATES W/ SET SCREWS.	1/2"	1/2"	2"	1 1/2"
SK-1	DOUBLE BOWL, LEDGER TYPE SINK, INTEGRA DRAIN, 18 GAUGE, TYPE 304 STAINLESS STEEL, 8" CENTERS, 33"x19"x8" DEEP.	JUST DLN-1933-A-GR	CHICAGO FAUCETS 1100-GN8AE35-317AB MANUAL FAUCET, DECK MOUNT, RIGID/SWING GOOSENECK SPOUT, 8" REACH, 13 1/2" HIGH, 8" FIXED CENTERS, 1.5 GPM AERATOR, 4" VANDAL PROOF WRISTBLADE HANDLES, MCGUIRE 1-1/4" TRAP W/ PRODRAIN OFFSET ASSEMBLY, PRE-WRAPPED CHROME PLATED HEAVY CAST BRASS ADJUSTABLE P-TRAP W/ CLEANOUT, TAILPIECE, SLIP NUTS, 17A, SEAMLESS TUBULAR BRASS WALL BEND, MCGUIRE 167LK ANGLE SUPPLY STOPS, FLEXIBLE CHROME PLATED RISERS, CHROME ESCUTCHEON PLATES W/ SET SCREWS.	1/2"		2"	1 1/2"
EWC-1	SELF-CONTAINED, DUAL HEIGHT, WALL HUNG ELECTRIC REFRIGERATED WATER COOLER AND BOTTLE FILLING STATION, STAINLESS STEEL FINISH, DELIVERS 8 GPH OF 50 DEGREE DRINKING WATER. SEE ARCHITECTURAL PLANS FOR MOUNTING HEIGHT.	ELKAY LZSTL8WSSP	MCGUIRE 8872 1-1/4" HEAVY CAST BRASS POLISHED CHROME 17 GA. ADJUSTABLE P-TRAP WITH CLEANOUT, SLIP NUTS, AND SEAMLESS TUBULAR BRASS WALL BEND, MCGUIRE 2165 1/2" IPS 3/8" O.D. ANGLE SUPPLIES AND STOPS, 12" FLEXIBLE CHROME PLATED COPPER RISERS, STEEL WALL MOUNT BRACKET, PROVIDE WITH ACCESSORY APRON - ELKAY LKAPREZL.	0'-0 1/2"		0'-2"	0'-1 1/2"
MS-1	24"x24"x10" HIGH IMPACT RESISTANT STRUCTURAL FIBERGLASS MOP SERVICE BASIN, COMPLETE WITH 3" PVC DRAIN.	MUSTEE 63M	T&S BRASS B-0665-BSTR FAUCET W/ VACUUM BREAKER MUSTEE63.700 HOSE AND HOSE BRACKET MUSTEE 65.600 MOP HANGER MUSTEE 63.403 STAINLESS STEEL BUMPER GUARD MUSTEE 67.2424 STAINLESS STEEL WALL GUARD	1/2"	1/2"	3"	2"
IMB-1	ICE MAKER HOOK-UP BOX (NON-FIRE RATED)	LSP PRODUCTS GROUP OB818LL	PROFLO PFX146205 STAINLESS STEEL ICE MAKER CONNECTOR.	1/2"			
TP-1	PRESSURE DROP ACTIVATED TRAP PRIMER	PPP PR-500	PROVIDE DISTRIBUTION UNIT DU-U AS REQUIRED	1/2"			
HB-1	BRASS ANTI-SIPHON WALL FAUCET.	T&S BRASS B-0720-POL	1/2" IPS FEMALE INLET, TEE KEY HANDLE, ATMOSPHERIC VACUUM BREAKER, 3/4" GARDEN HOSE OUTLET.	1/2"			
HB-2	BRASS ANTI-SIPHON WALL FAUCET.	WOODFORD MODEL 24	3/4" NPT MALE INLET, LOOSE TEE KEY, ADJUSTABLE PACKING NUT WITH DEEP STEM GUARD.	3/4"			
TMV-1	THERMOSTATIC MASTER MIXING VALVE, 110° SET TEMP.	WATTS LFN170 SERIES	LEAD FREE BRASS BODY CONSTRUCTION, ASSE 1017 AND IAPMO CUPC LISTED, PARAFFIN-BASED THERMOSTAT TO SENSE AND ADJUST OUTLET TEMPERATURE, DIRT AND LIME RESISTANT POPPET AND SEAT DESIGN, VIRTUAL SHUTOFF IF SUPPLY PRESSURE FAILS, VANDAL-RESISTANT LOCKING MECHANISM TO SECURE TEMPERATURE SETTING	3/4"	3/4"		

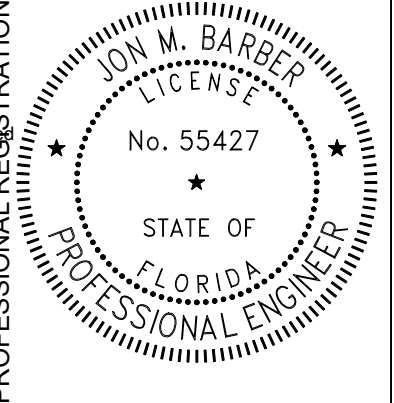
PLUMBING FIXTURE SCHEDULE							
TYPE	DESCRIPTION	MODEL	TRIM & ACCESSORIES	FIXTURE CONNECTIONS			
				CW	HW	WASTE	VENT
WCO	CLEANOUT TEE, DURA-COATED CAST IRON BODY, GAS AND WATERTIGHT ABS TAPERED THREAD PLUG, AND ROUND, SMOOTH STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW.	ZURN Z1446	POLISHED BRONZE COVER, BRONZE PLUG.				SEE PLANS FOR SIZES
FCO	ADJUSTABLE FLOOR CLEANOUT, PVC OR ABS BODY WITH ADJUSTABLE PVC HEAD ASSEMBLY, NICKEL BRONZE FRAME AND COVER, AND ABS TAPER THREAD PLUG	ZURN CO2452	FLASHING CLAMP AND FLASHING FLANGE, BRONZE PLUG.				SEE PLANS FOR SIZES
ECO	ADJUSTABLE FLOOR CLEANOUT, PVC OR ABS BODY WITH ADJUSTABLE PVC HEAD ASSEMBLY, NICKEL BRONZE FRAME AND COVER, AND ABS TAPER THREAD PLUG	ZURN CO2452	FLASHING CLAMP AND FLASHING FLANGE, BRONZE PLUG.				SEE PLANS FOR SIZES
IMB	ICE MAKER BOX	PROFLO PF1212SSAD	STAINLESS STEEL ACCESS DOOR, CONCEALED ROD HINGE, SCREWDRIVER OPERATED LATCH, NOT FIRE RATED				

DRAIN SCHEDULE (BASIS OF DESIGN)							
TYPE	DESCRIPTION	MODEL	TRIM & ACCESSORIES	FIXTURE CONNECTIONS			
				CW	WASTE	VENT	
FD-1	STAINLESS STEEL ADJUSTABLE FLOOR DRAIN WITH ANCHOR FLANGE AND AUXILIARY TRAP PRIMER FITTING, SQUARE TOP, MEDIUM DUTY.	ZURN Z1727	STAINLESS STEEL BODY W/ FLASHING COLLAR AND ADJUSTABLE 8" SQUARE STAINLESS STEEL STRAINER HEAD, PRECISION PLUMBING PRODUCTS PVC TRAP PRIMER FITTING WITH 1/2" NPT TAPPING.	1/2"	3"	2"	
FD-2	STAINLESS STEEL ADJUSTABLE FLOOR DRAIN WITH ANCHOR FLANGE AND AUXILIARY TRAP PRIMER FITTING, ROUND TOP, MEDIUM DUTY.	ZURN Z1726	STAINLESS STEEL BODY W/ FLASHING COLLAR AND ADJUSTABLE 7" ROUND STAINLESS STEEL STRAINER HEAD, STAINLESS STEEL SEDIMENT BUCKET, PROVIDE J.R. SMITH 2692 TRAP SEAL IN LIEU OF TRAP PRIMER CONNECTION.		3"	2"	
AD-1	12 GAUGE, TYPE 304 STAINLESS STEEL AREA DRAIN	ZURN Z1830-12S	12"x12"x8" DEEP, SQUARE INDUSTRIAL AREA DRAIN, LOOSE SET HEAVY-DUTY SLOTTED GRATE (1/2" THICK PLATE) WITH FINGER HOLES, 3/16" TOP FRAME, PERFORATED REMOVABLE SEDIMENT BUCKET WITH LIFT HANDLE, PRE-POUR STABILIZING ANCHOR TABS, AND BEAD BLASTED FINISH.		4"		
CD-1	CONDENSATE RECEPTOR	J.R. SMITH FIG 3510-F37	7"Ø NICKEL BRONZE ANTI-SPLASH RIM, FLASHING COLLAR, SEDIMENT BUCKET.		3"		

ELECTRIC WATER HEATER SCHEDULE (BASIS OF DESIGN)								
TYPE	MODEL NO.	STORAGE CAPACITY (GALLONS)	(NO. OF ELEMENTS)KW	INPUT (KW)	RECOVERY @ 75°F RISE (GPH)	STORAGE TEMP. (°F)	VOLTS/ PHASE	NOTES
EWH-1	AO SMITH DEL-30S-4.0	30	(1)4.0	4.0	19.0	140	208/1	GLASS LINED TANK, WALL-MTD WITH EQUIPMENT PLATFORM.

RECIRCULATOR PUMP SCHEDULE (BASIS OF DESIGN)							
TYPE	MODEL NO.	SERVICE	CAPACITY (GPM)	TDH (FT.)	MOTOR HORSEPOWER (HP)	ELECTRICAL CHARACTERISTICS (VOLT/Ø)	PUMP SEAL
RP-1	TACO 006	HW CIRCULATOR	3	6.5	1/40	115 / 1	MECHANICAL

This item has been digitally signed and sealed by Jon Barber, PE on 8/24/24. Printed copies of this document are not considered signed and sealed and the signature must be verified on an electronic copies.

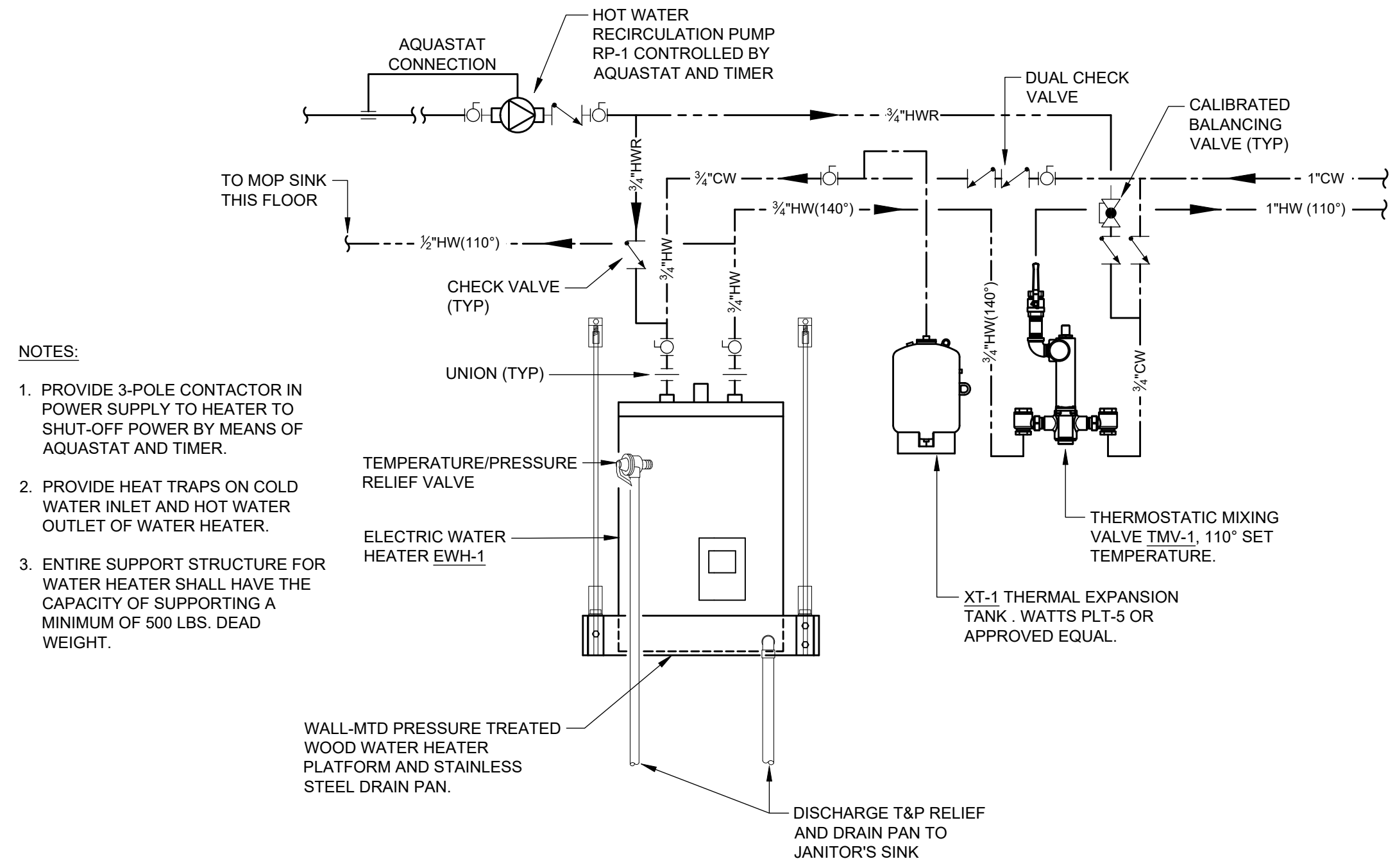


EDWARD BALL WAKULLA SPRINGS STATE PARK
 RECEIVED STATE CONSTRUCTION 09-24-2024
 PLUMBING AND EQUIPMENT SCHEDULES
 INTERPRETIVE CENTER

SHEET NO. P101

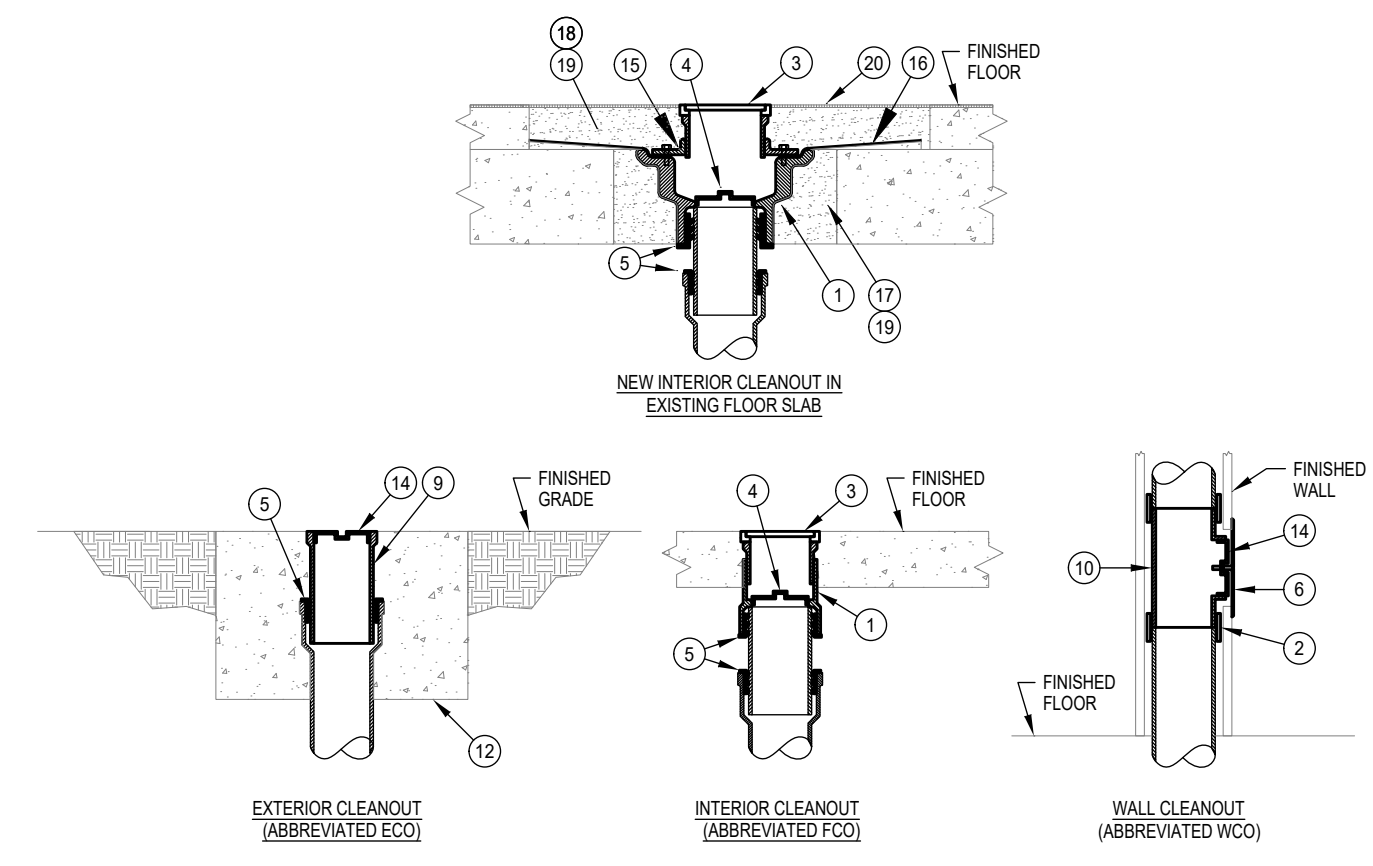
Department of Environmental Protection
 Division of Recreation and Parks
 Bureau of Design and Construction
 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300

CONSTRUCTION DOCUMENTS



- NOTES:**
1. PROVIDE 3-POLE CONTACTOR IN POWER SUPPLY TO HEATER TO SHUT-OFF POWER BY MEANS OF AQUASTAT AND TIMER.
 2. PROVIDE HEAT TRAPS ON COLD WATER INLET AND HOT WATER OUTLET OF WATER HEATER.
 3. ENTIRE SUPPORT STRUCTURE FOR WATER HEATER SHALL HAVE THE CAPACITY OF SUPPORTING A MINIMUM OF 500 LBS. DEAD WEIGHT.

1 SHELF-MOUNTED ELECTRIC WATER HEATER DETAIL

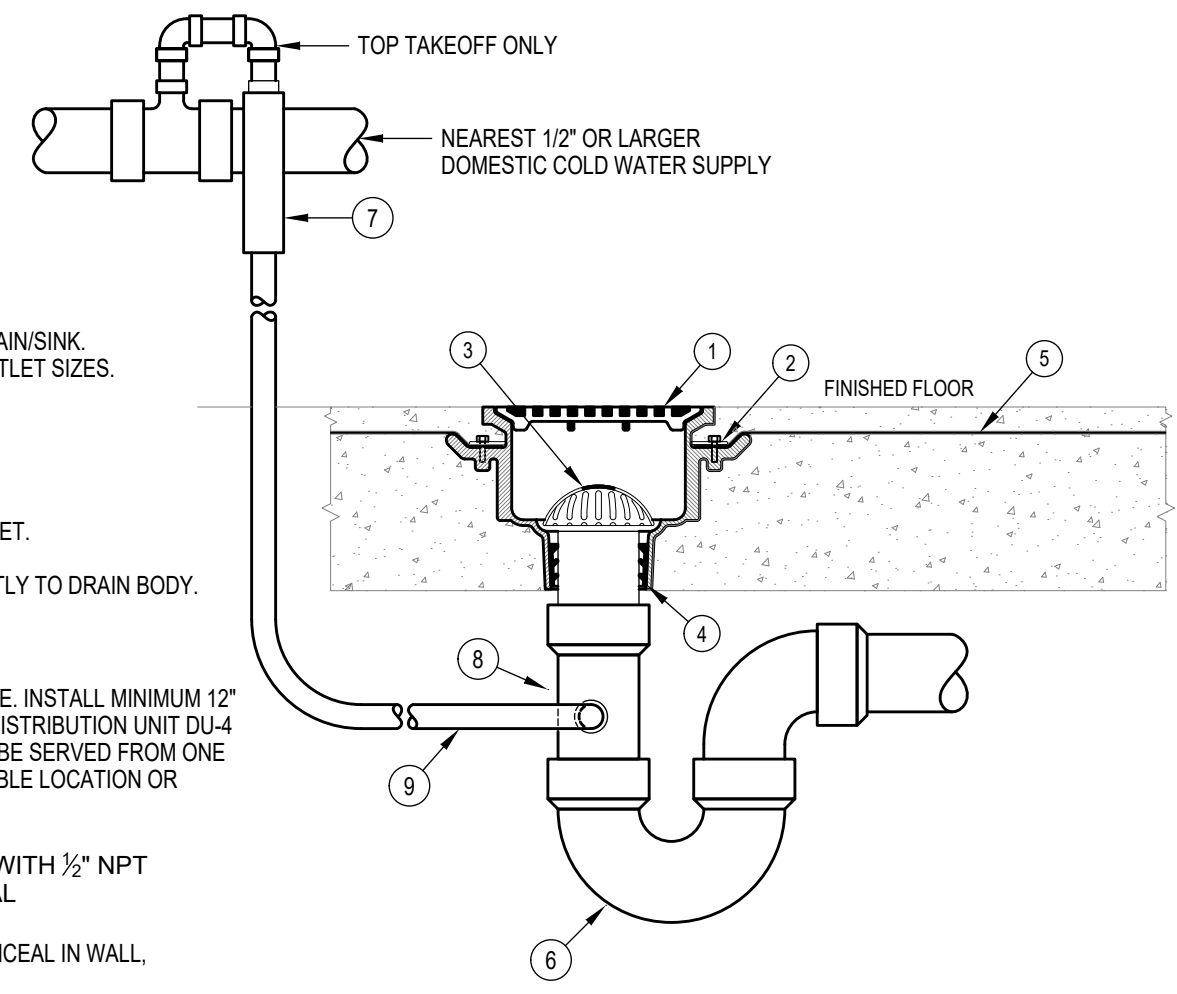


- KEY NOTES: (THIS DETAIL ONLY)**
- 1 SCHEDULE 40 PVC 2-PIECE CLEANOUT BODY WITH ADJUSTABLE HEAD.
 - 2 NO-HUB COUPLING (FOR ABOVE GROUND APPLICATION ONLY).
 - 3 POLISHED NICKEL BRONZE SCORIATED TOP (PROVIDE CARPET MARKER FOR CARPETED FLOORS).
 - 4 BRONZE TAPERED THREAD, RAISED HEAD CLEANOUT PLUG.
 - 5 PUSH-ON NEOPRENE RUBBER COMPRESSION GASKET.
 - 6 STAINLESS STEEL ROUND WALL ACCESS COVER.
 - 7 COMBINATION WYE AND EIGHTH BEND FITTING.
 - 8 TWO-WAY CLEANOUT FITTING.
 - 9 SCHEDULE 40 PVC CLEANOUT FERRULE.
 - 10 DURA-COATED CAST IRON CLEANOUT TEE.
 - 11 12" x 12" x 12" CONCRETE THRUST BLOCK.
 - 12 24" x 24" x 12" CONCRETE PAD FLUSH WITH GRADE.
 - 13 LONG SWEEP ELBOW.
 - 14 BRONZE TAPERED THREAD, RECESSED HEAD CLEANOUT PLUG.
 - 15 INVERTIBLE CLAMPING COLLAR.
 - 16 NEW LEAD PAN FLASHING CLAMPED TIGHTLY TO DRAIN BODY. SEE ARCHITECTURAL PLANS.
 - 17 BREAK OUT EXISTING STRUCTURAL CONCRETE FLOOR SLAB.
 - 18 CUT TOPPING MINIMUM 12" BEYOND BROKEN-OUT STRUCTURAL FLOOR SLAB TO NEAREST FLOOR TILE JOINT TO ALLOW FOR INSTALLATION OF NEW LEAD PAN FLASHING.
 - 19 GROUT SOLID AROUND NEW FLOOR DRAIN.
 - 20 NEW FLOOR FINISH TO MATCH EXISTING.

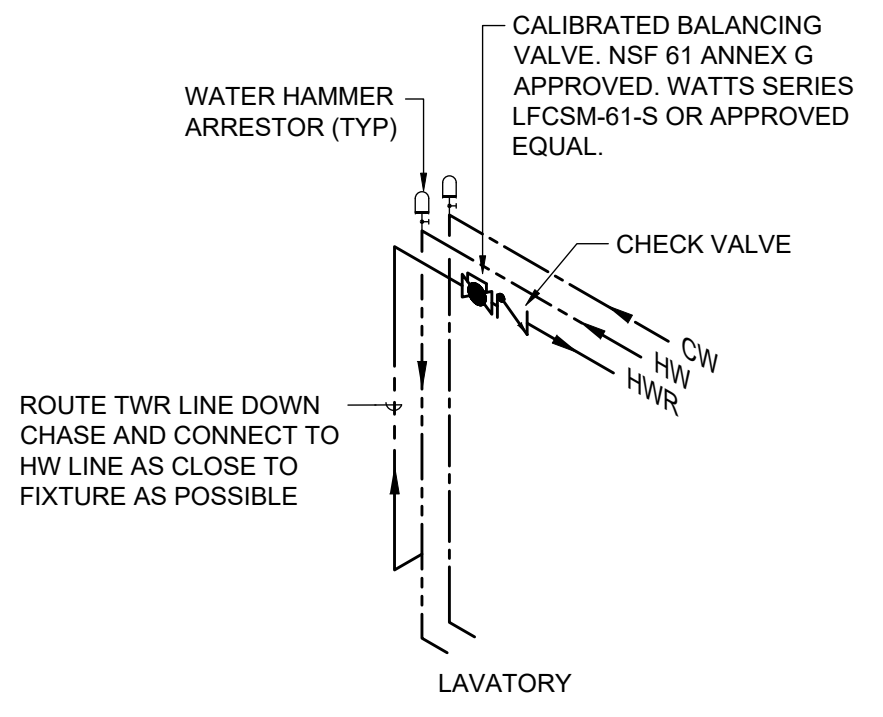
2 CLEAN OUT DETAIL

- KEY NOTES: (THIS DETAIL ONLY)**
- 1 STAINLESS STEEL ADJUSTABLE FLOOR DRAIN/SINK. SEE PLANS AND DRAIN SCHEDULE FOR OUTLET SIZES.
 - 2 INVERTIBLE CLAMPING COLLAR.
 - 3 STAINLESS STEEL STRAINER.
 - 4 PUSH-ON NEOPRENE COMPRESSION GASKET.
 - 5 WATERPROOF MEMBRANE CLAMPED TIGHTLY TO DRAIN BODY.
 - 6 DEEP SEAL P-TRAP.
 - 7 PRESSURE ACTIVATED TRAP PRIMER VALVE. INSTALL MINIMUM 12" A.F.F. FOR EVERY 20' OF PRIMER LINE. IF DISTRIBUTION UNIT DU-4 IS USED, UP TO FOUR FLOOR DRAINS MAY BE SERVED FROM ONE TRAP PRIMER VALVE. INSTALL IN ACCESSIBLE LOCATION OR PROVIDE ACCESS PANEL FOR SERVICE.
 - 8 AUXILIARY TRAP PRIMER FITTING WITH 1/2" NPT TAPPING, J R SMITH 2695 OR EQUAL.
 - 9 1/2" DOMESTIC COLD WATER SUPPLY. CONCEAL IN WALL ABOVE CEILING OR BELOW FLOOR.

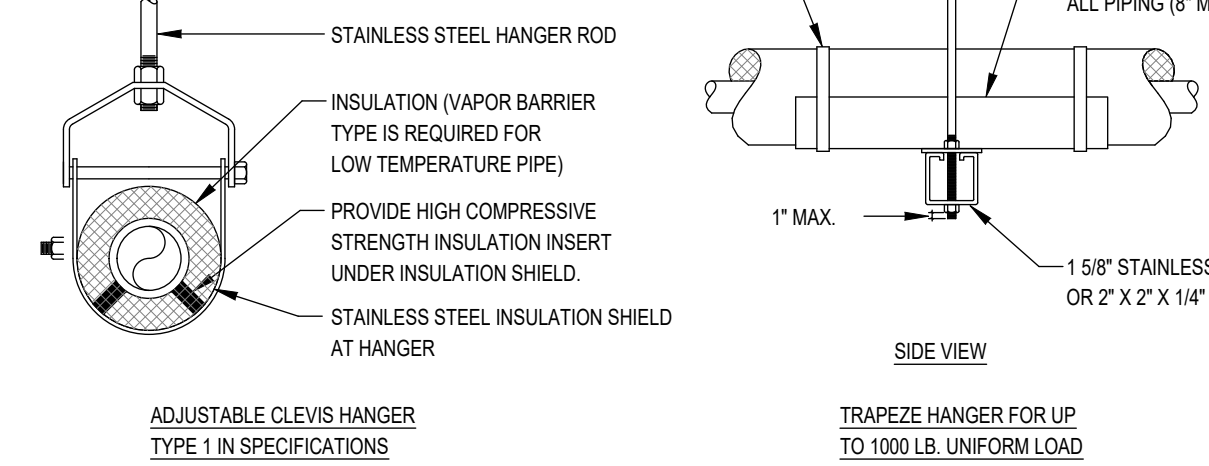
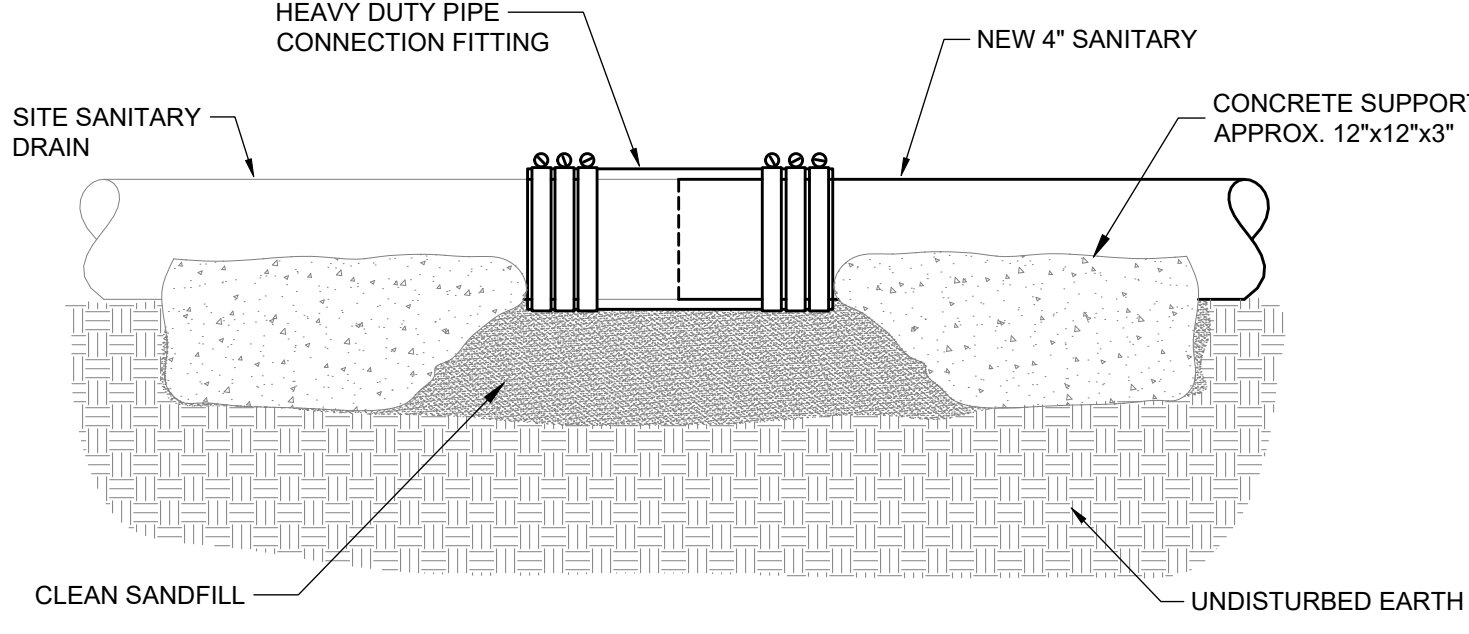
3 TYPICAL FLOOR DRAIN/SINK INSTALLATION DETAIL



4 HW CONNECTION AT LAVATORY

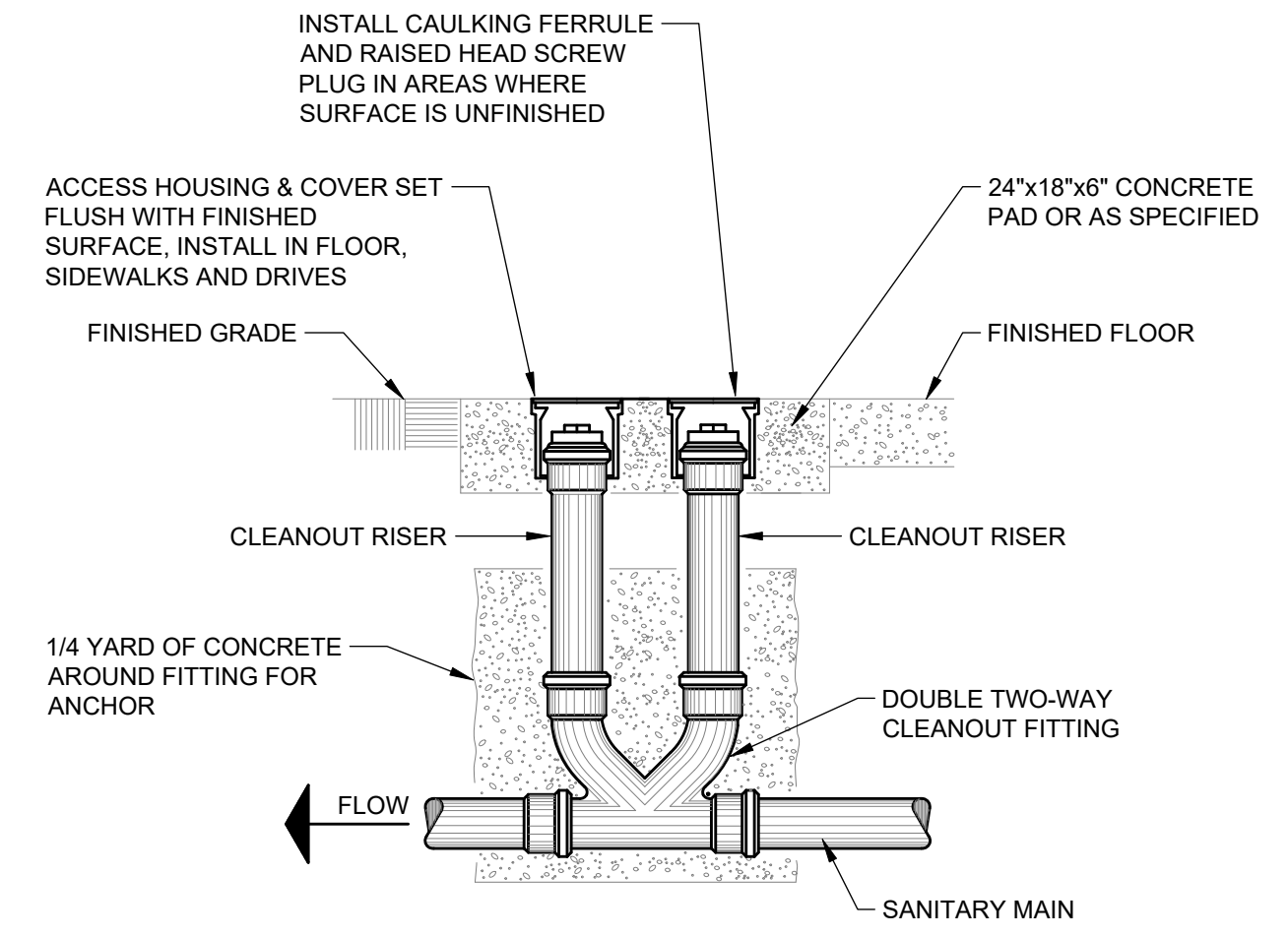


5 SANITARY CONNECTION

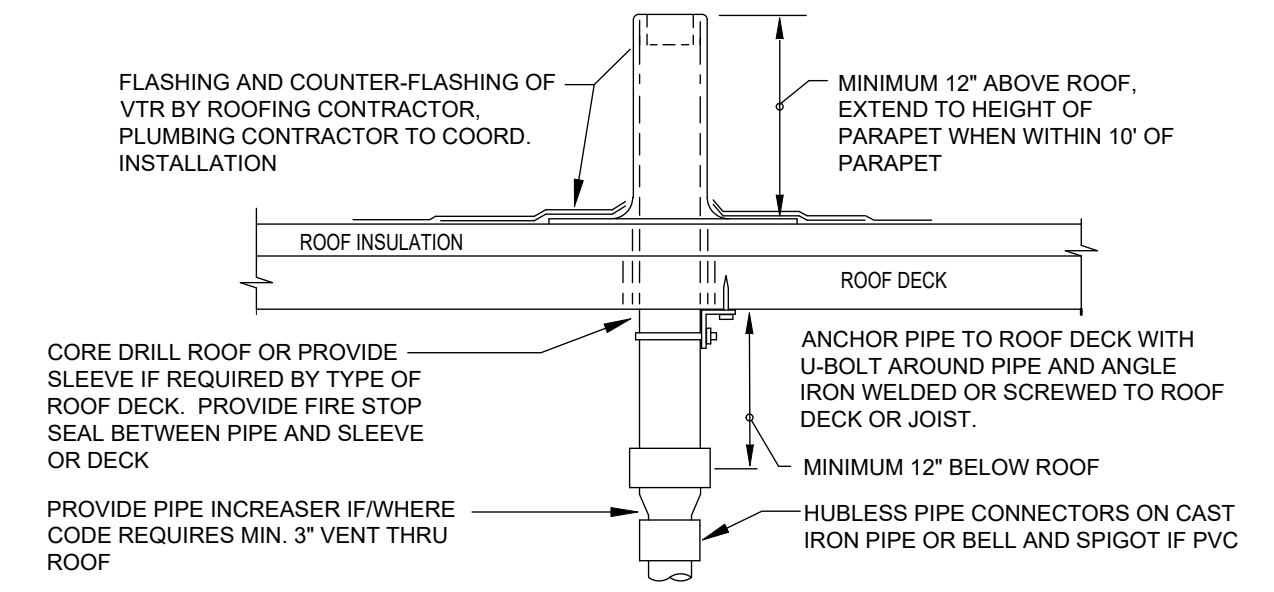


- NOTES:**
1. SEE SPECIFICATIONS FOR SPACING OF HANGERS.
 2. PROVIDE SPRING ISOLATORS FOR FIRST 3 HANGERS UP TO AND BEYOND EQUIPMENT CONNECTION AND/OR THROUGH OUT MECHANICAL ROOMS OR MEZZANINE AREAS.

6 TYPICAL PIPE HANGERS

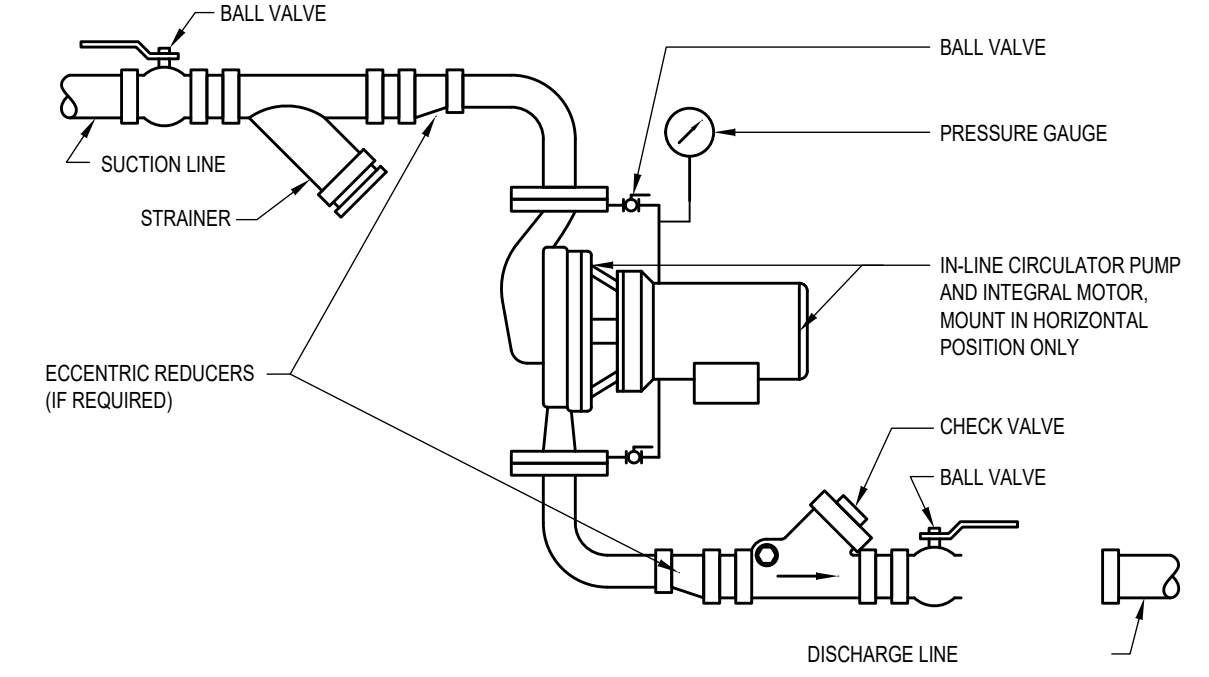


7 DOUBLE 2-WAY CLEANOUT



- VTR NOTES:**
- REFER TO PLANS FOR VTR PIPE SIZES AND LOCATIONS. LOCATE VTR MINIMUM THREE FEET FROM PROPERTY LINE, OR TEN FEET HORIZONTAL OR THREE FEET VERTICAL ABOVE ANY BUILDING OPENING OR FRESH AIR INTAKE, OR ONE FOOT FROM ANY VERTICAL SURFACE. LOCATE VTR MINIMUM 18" FROM PARAPET, EXPANSION JOINT, EQUIPMENT CURB, ETC. OFFSET IN CEILING SPACE WHERE REQUIRED TO MEET THESE CONDITIONS.

8 VENT THROUGH ROOF DETAIL

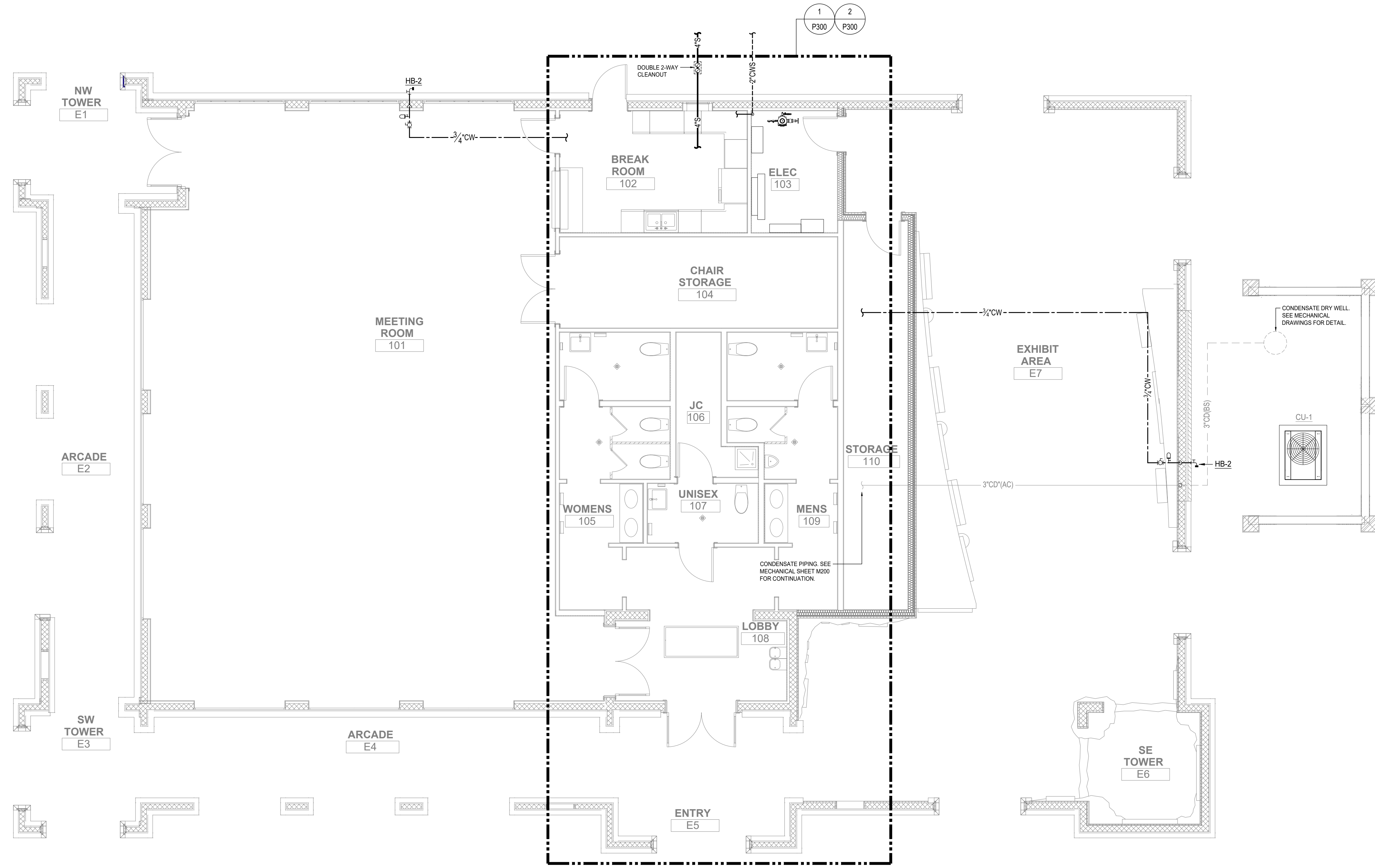


9 IN-LINE RECIRCULATION PUMP

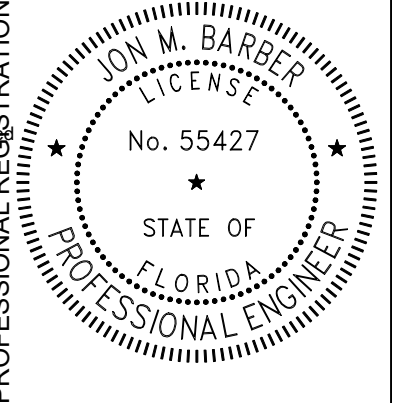
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ISSUE DATE: 09/23/2024	COMP. FILE NO.: 61426C
DESIGNER: TEP	REVIEWED BY: JB
DRAWN BY: TEP	CONSULTANT: MCGINNIS + FLEMING ENGINEERING
STATE PROJECT No.: 61426C	PROFESSIONAL REGISTRATION
RECEIVED STATE CONSTRUCTION 09-24-2024	
EDWARD BALL WAKULLA SPRINGS STATE PARK PLUMBING DETAILS PROJECT TITLE INTERPRETIVE CENTER	
SHEET NO. P102	

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1 FLOOR PLAN - PLUMBING
SCALE: 3/16" = 1'-0"

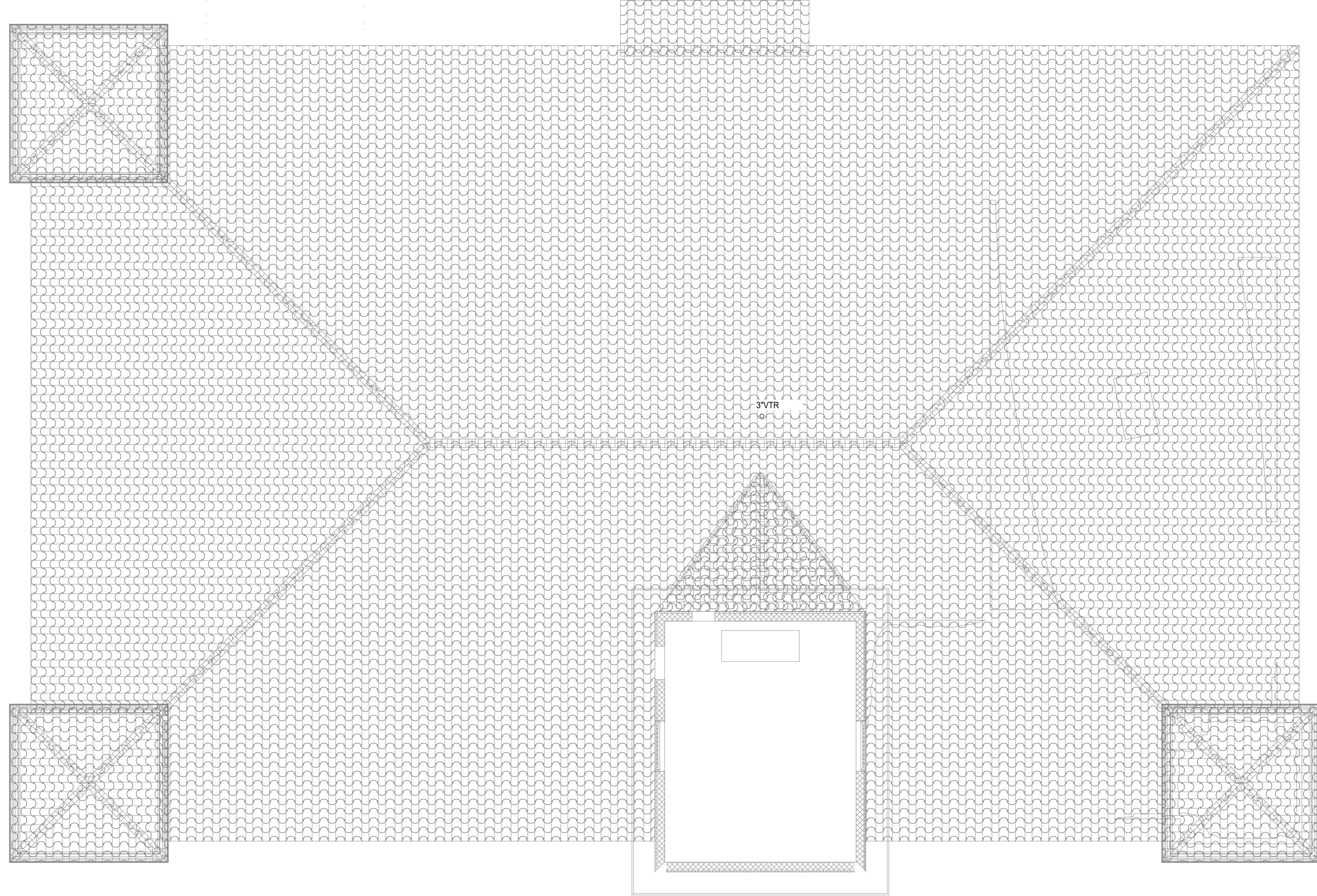


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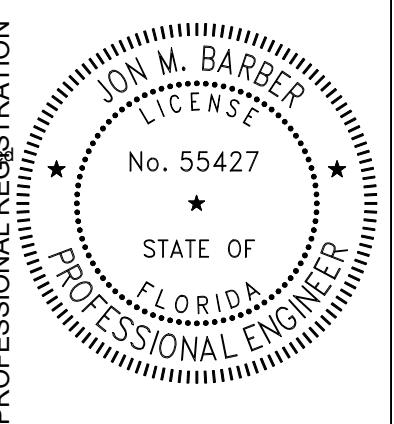
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DRAWN BY: TEP	COMP. FILE NO.:				
REVIEWED BY: JB	STATE PROJECT No.: 61426C				
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FLOOR PLAN	
INTERPRETIVE CENTER	
SHEET NO.	P200



1 MEZZANINE PLATFORM FLOOR PLAN AND ROOF PLAN - PLUMBING
 SCALE: 3/16" = 1'-0"

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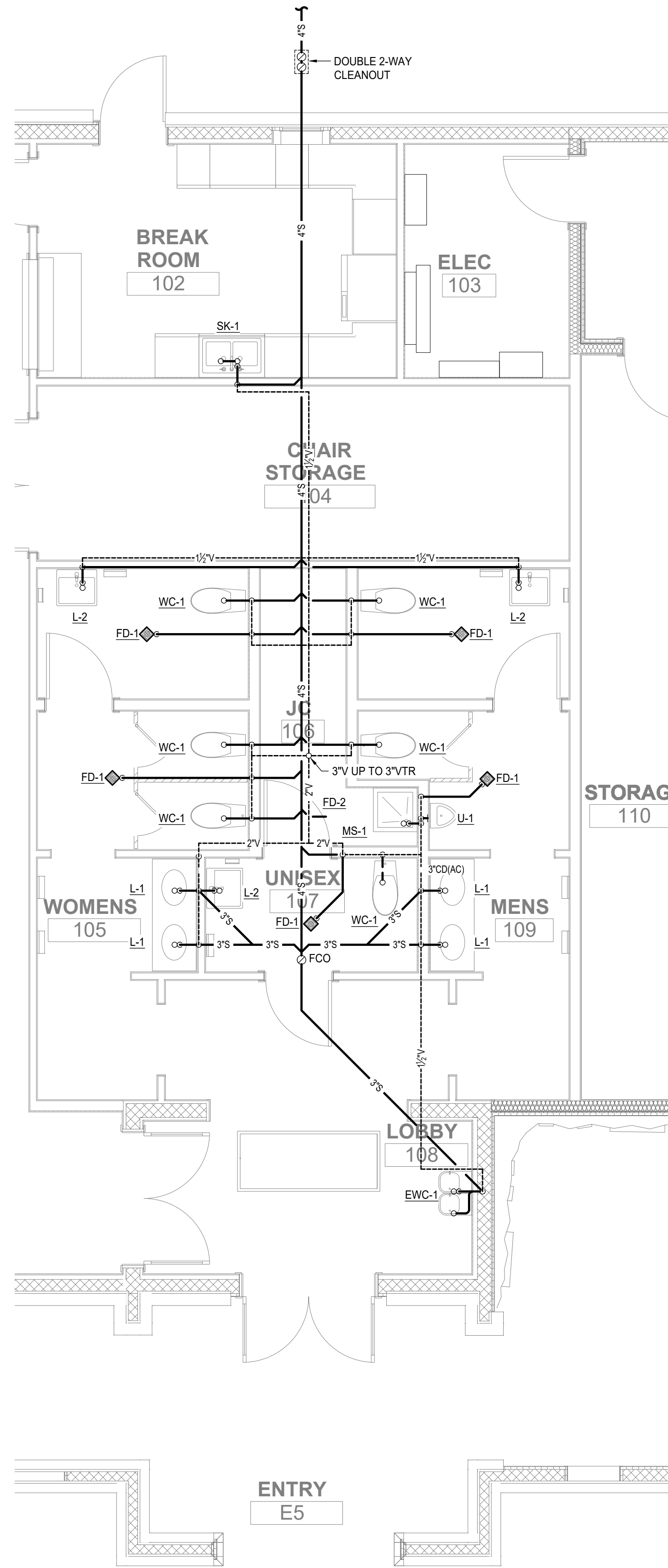


EDWARD BALL WAKULLA SPRINGS STATE PARK
 PLUMBING FLOOR PLAN
 INTERPRETIVE CENTER

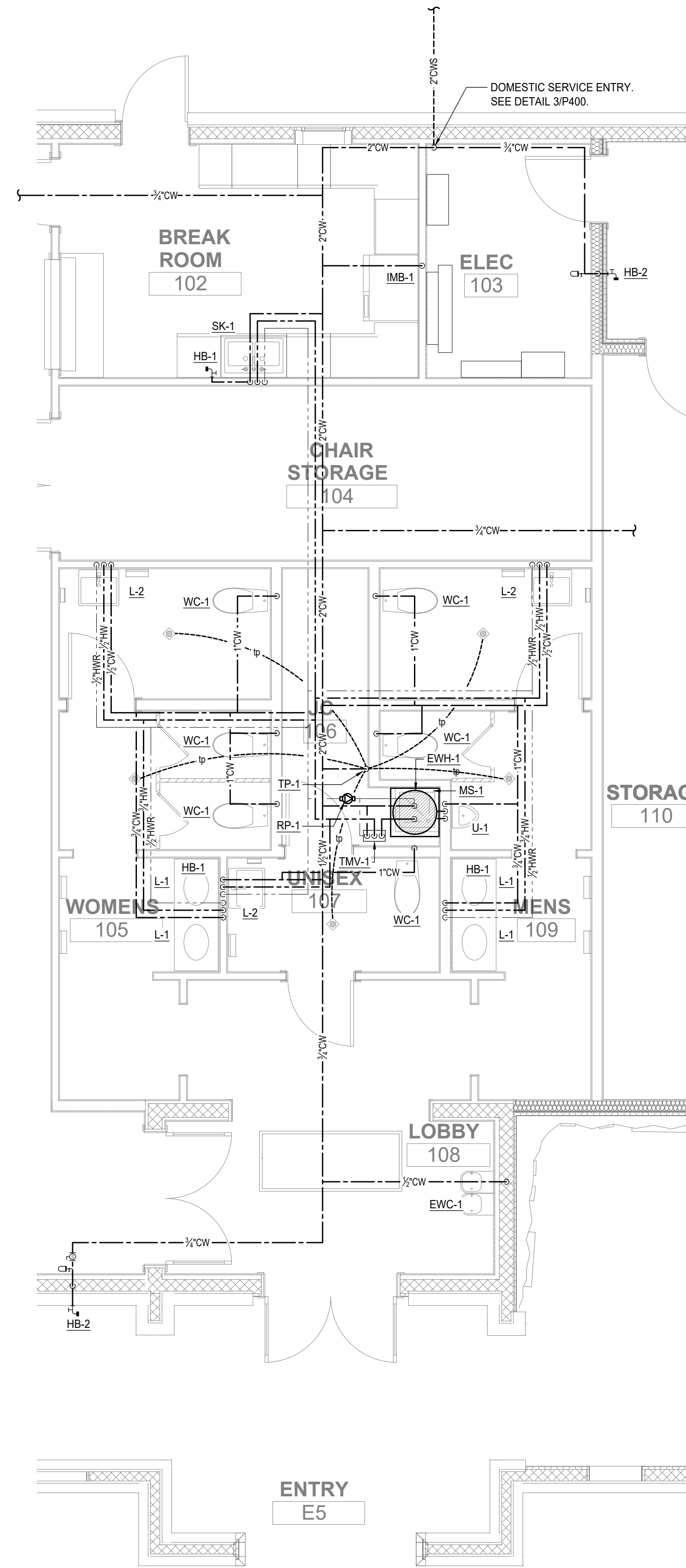
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CONSTRUCTION DOCUMENTS

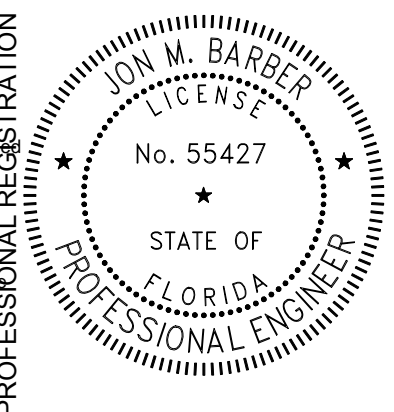


1 ENLARGE FLOOR PLAN - SANITARY
SCALE: 1/4" = 1'-0"

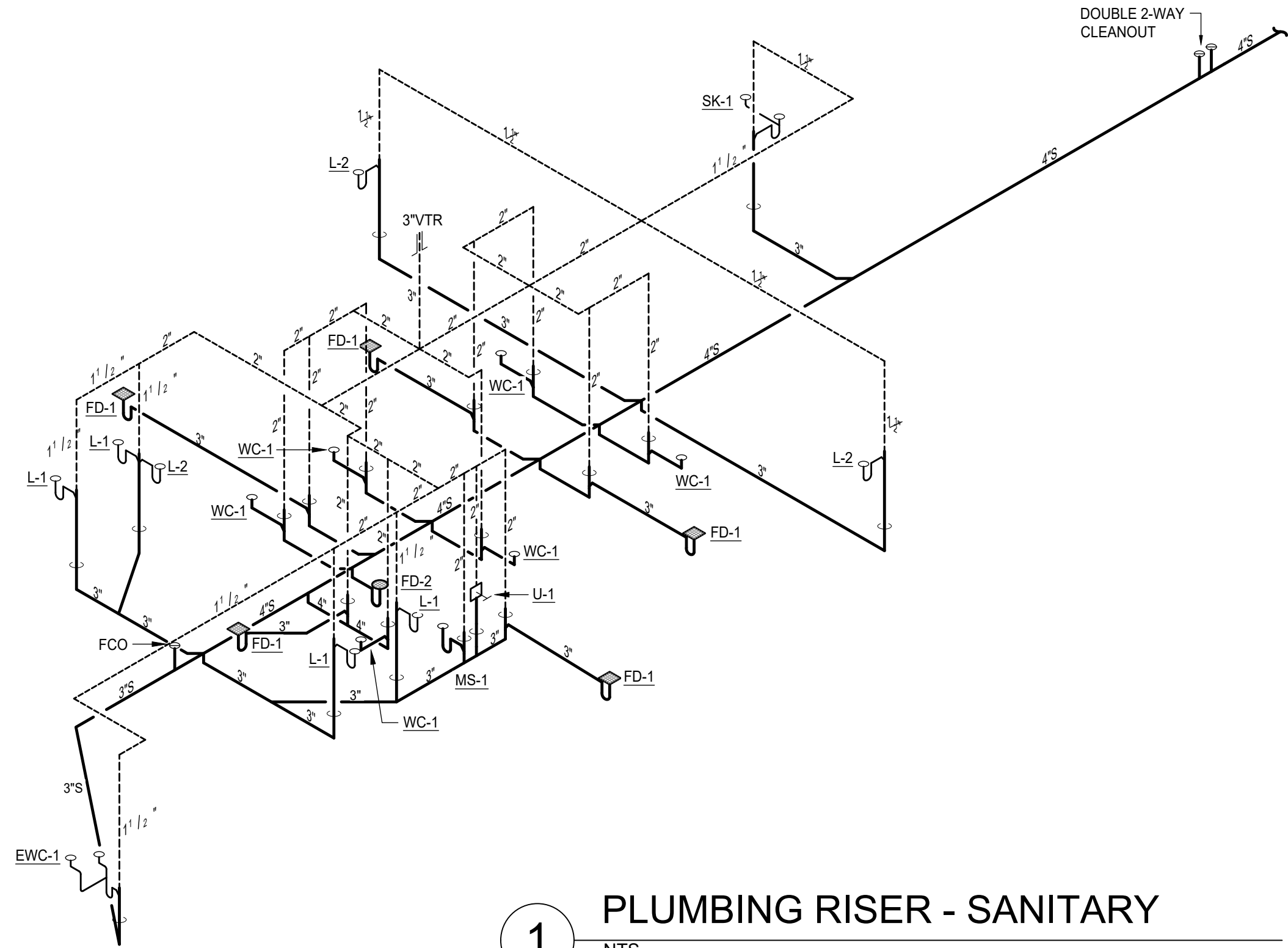


2 ENLARGE FLOOR PLAN - DOMESTIC WATER
SCALE: 1/4" = 1'-0"

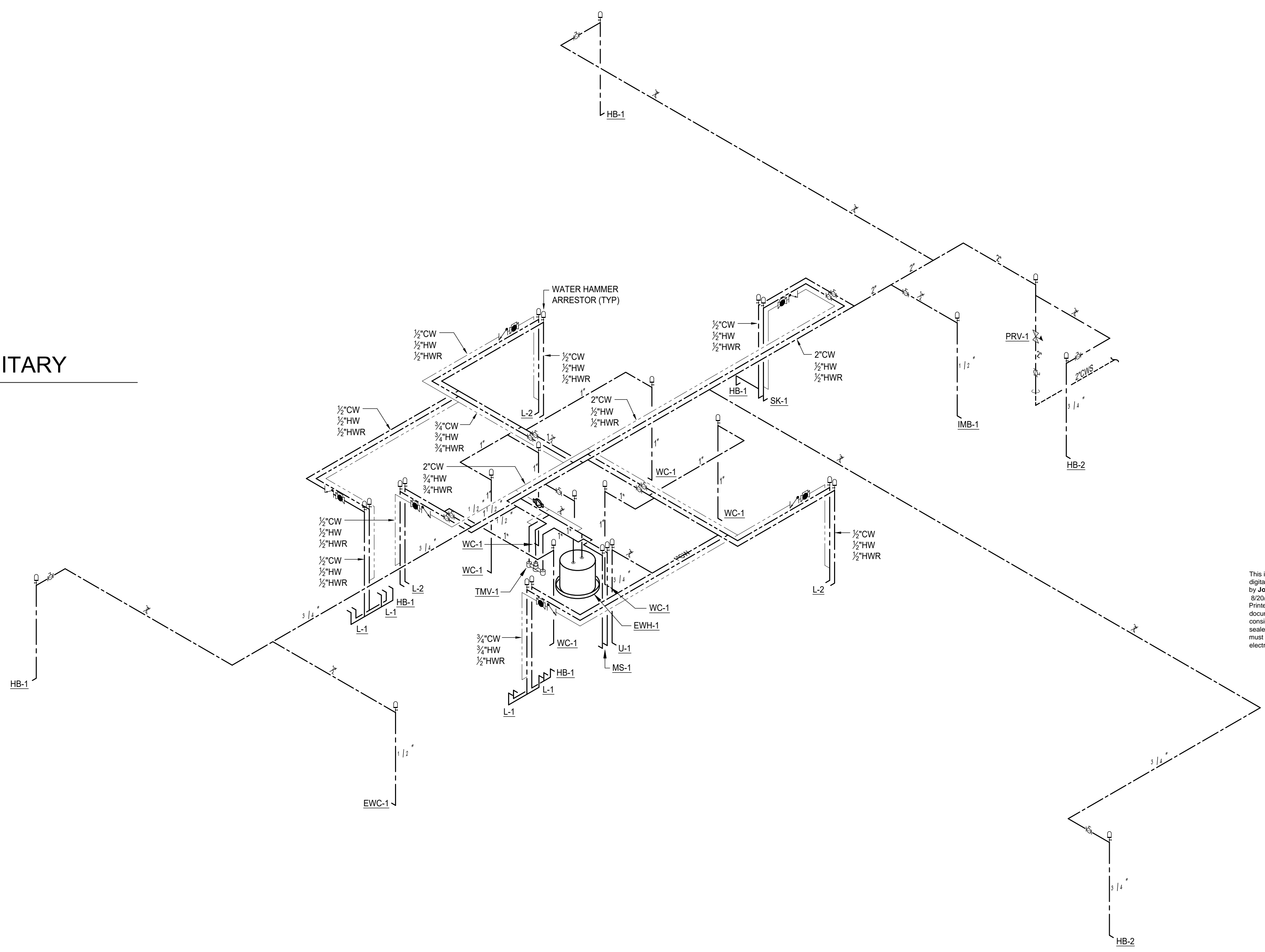
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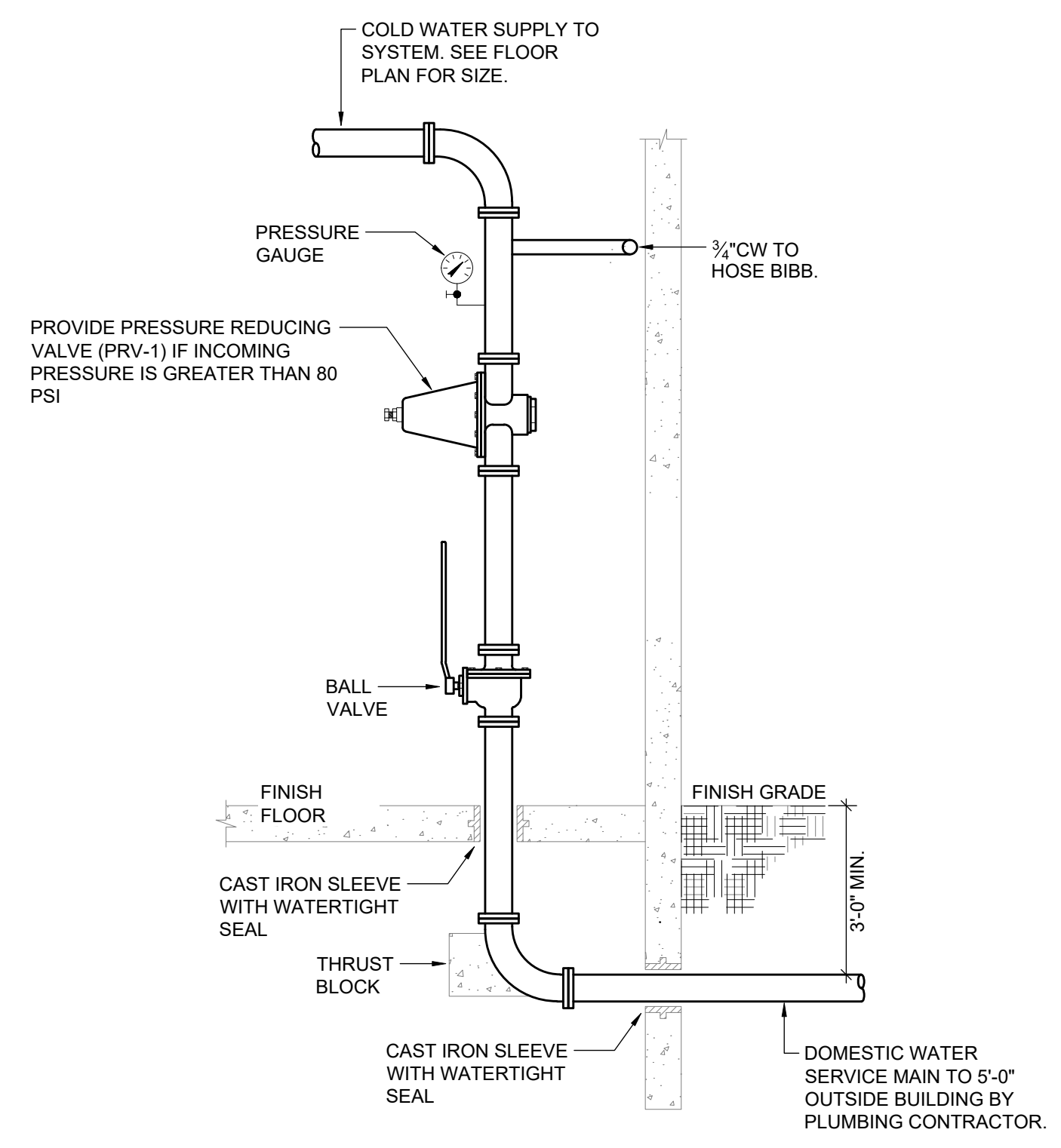
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Consultant:		SYMBOL	REVISION	DATE	REVISION
Department of Environmental Protection Division of Recreation and Parks Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300					
<small>JON BARBER IS SEATED: JMW WALLACE, PE 70262 JMW WALLACE, PE 70262 JMW WALLACE, PE 70262 JMW WALLACE, PE 70262</small>					
RECEIVED STATE CONSTRUCTION 09-24-2024					
EDWARD BALL WAKULLA SPRINGS STATE PARK PLUMBING ENLARGED PLANS PROJECT TITLE: INTERPRETIVE CENTER					
P300					
SHEET NO.					



1 PLUMBING RISER - SANITARY
NTS

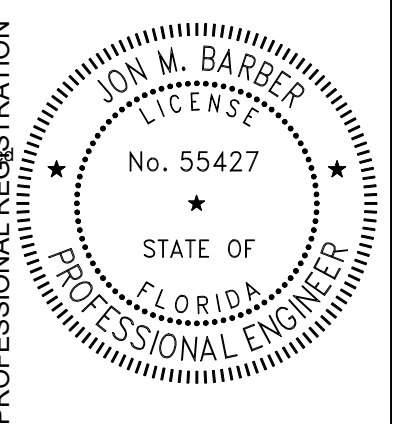


2 PLUMBING RISER - DOMESTIC WATER
NTS



3 DOMESTIC SERVICE RISER DETAIL
NTS

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REVIEWED BY: <td>JB <td>STATE PROJECT NO.: <td>61426C <td></td> <td></td> <td></td> <td></td> </td></td></td>	JB <td>STATE PROJECT NO.: <td>61426C <td></td> <td></td> <td></td> <td></td> </td></td>	STATE PROJECT NO.: <td>61426C <td></td> <td></td> <td></td> <td></td> </td>	61426C <td></td> <td></td> <td></td> <td></td>				

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Bureau of Design and Construction
3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 245-2300

McGinniss + Fleming Engineering
Consultant

EDWARD BALL WAKULLA SPRINGS STATE PARK
PLUMBING RISERS
INTERPRETIVE CENTER

SHEET NO. P400

CONSTRUCTION DOCUMENTS

