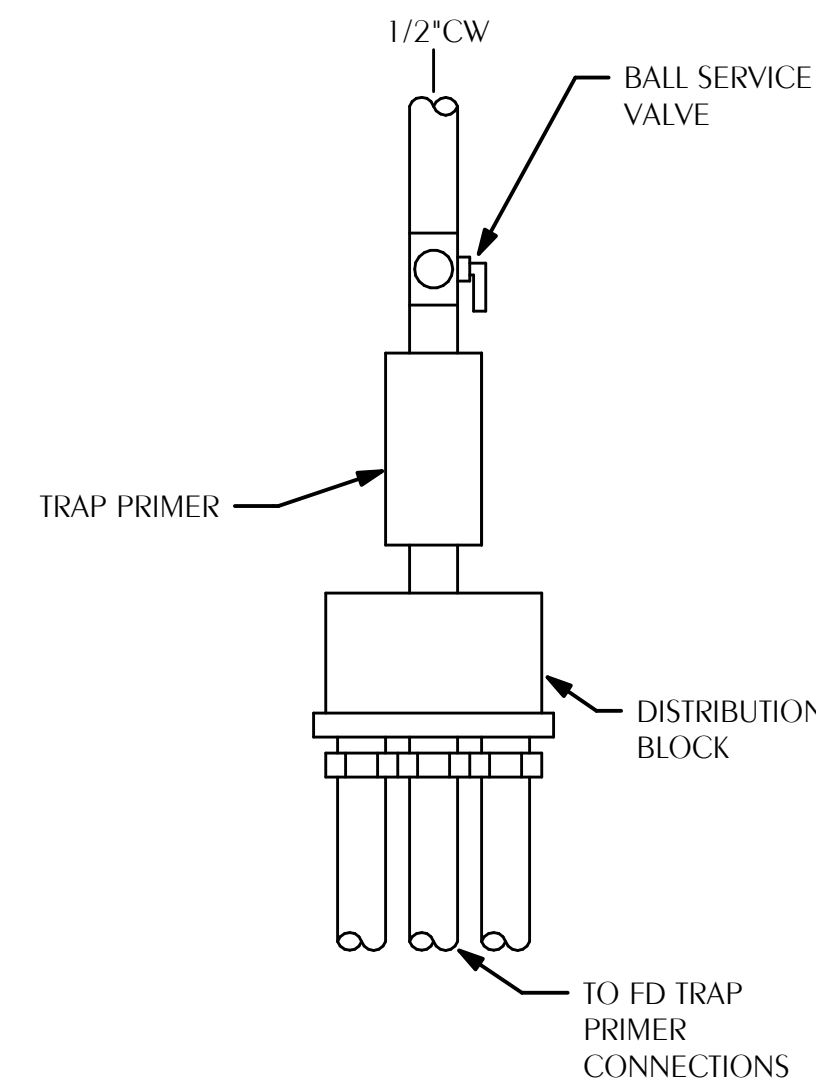


2404
100% CONSTRUCTION DRAWINGS
REVISED

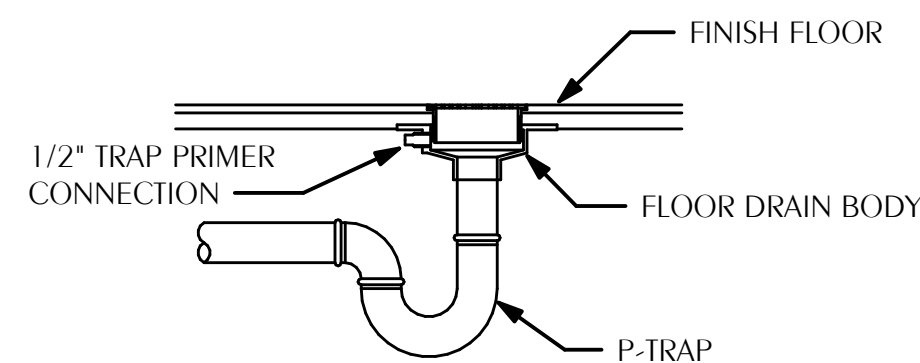
LEGEND

— S or W	SOIL OR WASTE PIPING
--- V	VENT PIPING
— CW	COLD WATER SUPPLY PIPING
--- HW	HOT WATER SUPPLY PIPING
— HWR	HOT WATER RETURN PIPING
— G	GAS PIPING
— CV	GATE VALVE
— CV	CHECK VALVE
— BV	BALL VALVE
— HB	HOSE BIBB
— WH	WALL HYDRANT
— CO	CLEANOUT TO FLOOR
— FD	FLOOR DRAIN
— FD	FLOOR DRAIN WITH TRAP PRIMER CONNECTION
— COTG	CLEANOUT TO GRADE
— U	UNION
— VTR	VENT THRU ROOF
— S	SHEET NOTE
— S-X	POINT OF CONNECTION TO EXISTING
— S-X	SOLENOID VALVE
— MR	MOP RECEPTOR
— WC	WATER CLOSET
— TP	TRAP PRIMER
— IWH	INSTANTANEOUS WATER HEATER
— WHA	WATER HAMMER ARRESTOR TYPE A
— WHB	WATER HAMMER ARRESTOR TYPE B
— WHC	WATER HAMMER ARRESTOR TYPE C
— L	LAVATORY
— UR	URINAL
— KW	KILOWATT
— TCV	THERMOSTATIC CONTROL VALVE
(E)	EXISTING
(M)	INDICATES MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS.
(C)	INDICATES CIVIL EQUIPMENT, REFER TO CIVIL DRAWINGS.



1 TRAP PRIMER DETAIL

P-001 SCALE: NONE

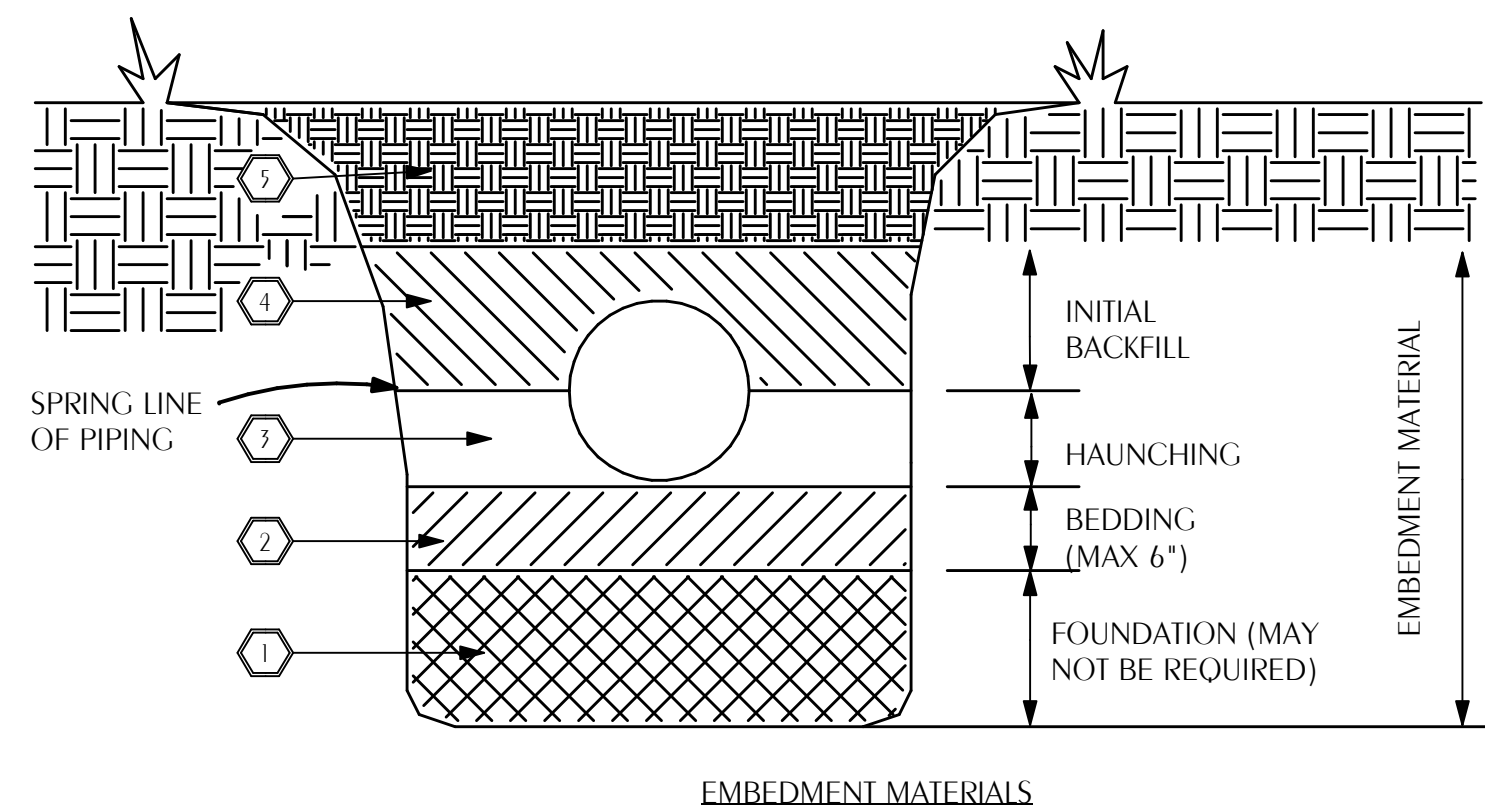


2 FLOOR DRAIN WITH TRAP PRIMER

P-001 SCALE: NONE

- 1 A FOUNDATION MAY BE REQUIRED IN VERY POOR SOIL CONDITIONS.
- 2 BEDDING IS REQUIRED PRIMARILY TO BRING THE TRENCH BOTTOM UP TO GRADE. BEDDING MATERIALS SHALL PROVIDE A UNIFORM AND ADEQUATE LONGITUDINAL SUPPORT UNDER THE PIPE. IN DRY SOIL CONDITIONS, CLASS II OR III MATERIAL SHALL BE HAND PLACED IN 4-6", LIGHTLY COMPACTED UNIFORM AND NOT FINER THAN THE FOUNDATION MATERIAL. IN WET CONDITIONS, CLASS I, II OR III MATERIAL SHALL BE HAND PLACED IN 4-6", UNIFORM AND NOT FINER THAN THE FOUNDATION MATERIAL. WHEN UTILIZING CLASS I MATERIAL, SUFFICIENT AMOUNTS OF CLASS II OR III MATERIAL SHALL BE ADDED TO FILL ALL VOIDS CREATED BY THE USE OF CLASS I MATERIAL.
- 3 HAUNCHING MATERIAL SHALL BE HAND PLACED TO THE SPRINGLINE OF THE PIPE. CLASS II OR III MATERIAL SHALL BE CONSOLIDATED UNDER THE PIPE AND HAND TAMPED TO PROVIDE ADEQUATE SIDE SUPPORT.
- 4 INITIAL BACKFILL MATERIAL SHALL BE CLASS II OR III. IT SHALL BE PLACED WITHIN 24-30" ABOVE THE TOP OF THE PIPE AND TAMPED BY A PORTABLE VIBRATOR. FINAL BACKFILL MATERIAL MAY BE MACHINE PLACED. THE MATERIAL SHALL BE CLASS II OR III MATERIAL. CLASS IV MATERIAL MAY BE INSTALLED OUTSIDE OF ROADWAY.
- 5 FINAL BACKFILL UNDER ROADWAYS MAY REQUIRE SPECIAL COMPACTION AND DENSITY TESTS. A MINIMUM OF 30" OF COVER OVER THE TOP OF THE PIPE SHALL BE PROVIDED BEFORE THE TRENCH IS WHEEL-LOADED.

NOTE:
ALL EMBEDMENT MATERIALS SHALL BE NO LESS THAN 95% OF MAXIMUM DENSITY. LABORATORY TESTING OF THE SOIL WILL BE REQUIRED. THIS PROCEDURE SHALL BE REQUIRED ON ALL INSTALLATIONS. ALL TRENCHING, EXCAVATION, AND BACKFILLING SHALL BE IN ACCORDANCE WITH 2023 FLORIDA PLUMBING CODE.



EMBEDMENT MATERIALS

CLASS I: ANGULAR, 1/4"-1-1/2", GRADED STONE, INCLUDING A NUMBER OF FILL MATERIALS THAT HAVE REGIONAL SIGNIFICANCE SUCH AS CORAL, SLAG, CINDERS, CRUSHED STONE AND CRUSHED SHELLS.

CLASS II: COARSE SANDS AND GRAVELS WITH MAXIMUM PARTICLE SIZE OF 1-1/2" INCLUDING VARIOUS GRADED SANDS AND GRAVELS CONTAINING SMALL PERCENTAGES OF FINES, GENERALLY GRANULAR AND NON-COHESIVE, EITHER WET OR DRY. SOIL TYPES GW, GP, SW, AND SP ARE INCLUDED IN THIS CLASS.

CLASS III: FINE SAND AND CLAY GRAVELS, INCLUDING FINE SANDS, SAND-CLAY MIXTURES AND GRAVEL-CLAY MIXTURES. SOIL TYPES GM, GC, SM, AND SC ARE INCLUDED IN THIS CLASS.

CLASS IV: SILT, SILTY CLAYS, AND CLAYS, INCLUDING INORGANIC CLAYS AND SILT OF MEDIUM TO HIGH PLASTICITY AND LIQUID LIMITS. SOIL TYPES MH, ML, CH, AND CL ARE INCLUDED IN THIS CLASS. THESE MATERIALS ARE NOT TO BE USED FOR BEDDING, HAUNCHING, OR INITIAL BACKFILL.

CLASS V: THIS CLASS INCLUDES THE ORGANIC SOILS, AS WELL AS SOILS CONTAINING FROZEN EARTH, DEBRIS, ROCKS LARGER THAN 1-1/2" IN DIAMETER AND OTHER FOREIGN MATERIALS. THESE MATERIALS ARE NOT TO BE USED FOR BEDDING, HAUNCHING, OR INITIAL BACKFILL.

4 EXCAVATION AND BACKFILL DETAIL

P-001 SCALE: NONE

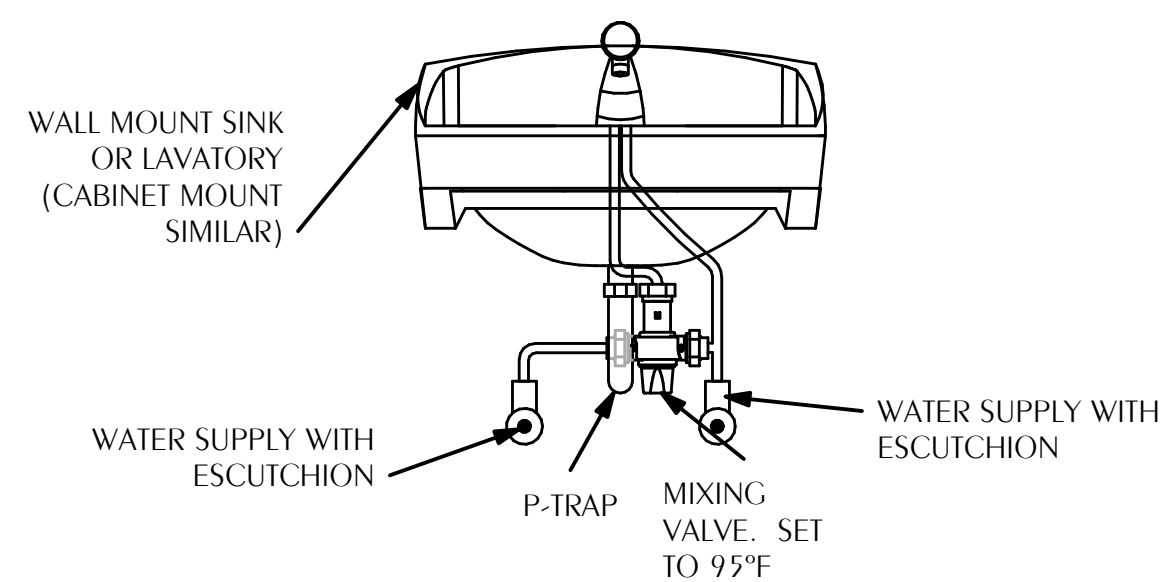
GENERAL NOTES

- COORDINATE ALL PIPING WITH DUCTWORK SHOP DRAWINGS AND EXISTING CONDITIONS. ROUTE PIPING AS REQUIRED TO AVOID CONFLICTS.
- PRIOR TO START OF ANY WORK, COORDINATE SANITARY SEWER AND POTABLE WATER PIPING WITH EXISTING SITE UTILITIES. REPORT ANY CONFLICT WITH ARCHITECT.
- FIELD VERIFY PIPE INVERTS PRIOR TO LAYING OUT SANITARY SEWER PIPING. COORDINATE WITH EXISTING CONDITIONS.
- ALL PIPING PASSING THROUGH ANY WALL SHALL HAVE A SLEEVE PER SPECIFICATIONS.
- ALL PIPING PASSING THROUGH FIRE-RATED WALLS SHALL HAVE A FIRE-RATED SLEEVE PER SPECIFICATIONS. ALL PIPING PENETRATIONS THROUGH WALLS OR FLOORS SHALL BE SEALED TO EQUAL THE RATING OF THE WALLS OR FLOORS.
- ALL PIPING INDICATED IS ABOVE THE CEILING EXCEPT THE OBVIOUS SANITARY SOIL, WASTE, VENT AND POTABLE WATER PIPING BELOW FLOOR OR GRADE.
- COORDINATE EXACT LOCATION OF ALL EXTERIOR WALL HYDRANTS WITH ARCHITECTURAL DRAWINGS.
- UNDER SLAB SOIL, WASTE AND VENT PIPING PASSING TO UNDERSIDE OR THROUGH FOUNDATION FOOTING, WALL OR GRADE BEAM SHALL BE PROVIDED WITH A RELIEVING ARCH OR PIPE SLEEVE 2 (TWO) PIPE SIZES GREATER THAN PIPE SIZE INDICATED ON PLANS. COORDINATE FINAL PIPE ROUTING AND LAYOUT WITH STRUCTURAL DRAWINGS.
- PRIOR TO SUBSTANTIAL COMPLETION OF NEW AND ALTERED WORK AREAS, CONTRACTOR SHALL HAVE SANITARY PLUMBING SYSTEM CLEARED OF DEBRIS OR ANY MATTER THAT WOULD INTERFERE OR PREVENT ADEQUATE CONVEYANCE OF MATERIALS FROM MOVING THROUGH AND TERMINATING INTO BUILDING OR PUBLIC DISPOSAL FACILITIES.
- ALL (VTR'S) VENT THRU ROOF PENETRATIONS INDICATED ON PLANS ARE PRELIMINARY. FINAL LOCATIONS SHALL BE COORDINATED WITH ALL TRADES. ALL VTR'S SHALL BE A MINIMUM OF 10'-0" FROM ALL FRESH AIR INTAKE OPENINGS.
- ALL TRAP PRIMERS AND DOMESTIC WATER ISOLATION VALVES SHALL BE ACCESSIBLE. TRAP PRIMERS LOCATED IN THE VICINITY OF WATER CLOSETS SHALL BE ACTIVATED BY WATER CLOSET USAGE. ISOLATION VALVES SHALL BE OF THE QUARTER TURN BALL OR GATE TYPE.
- CONTRACTOR SHALL DEVELOP AND SUBMIT COORDINATION SHOP DRAWINGS WHICH IDENTIFY ROUTING OF PLUMBING PIPE AND LOCATION OF EQUIPMENT. SHOP DRAWINGS SHALL INDICATE COORDINATION WITH THE WORK OF OTHER TRADES.
- ALL WORK SHALL COMPLY WITH THE FLORIDA BUILDING CODE 8TH EDITION (2023) PLUMBING.

PLUMBING FIXTURE SCHEDULE

MARK	FITURE	FITURE CONNECTIONS-INCHES		
		CW	HW	W
WC-1	WATER CLOSET (HANDICAP)	1	-	3
WC-2	WATER CLOSET (STANDARD)	1	-	3
UR-1	URINAL (HANDICAP)	3/4	-	2
L-1	SINGLE STATION WASH BASIN (HANDICAP)	3/8	3/8	1-1/4
L-2	THREE STATION WASH BASIN (STANDARD)	3/8	3/8	1-1/4
L-3	LAVATORY (HANDICAP)	3/8	3/8	1-1/4
SK-1	SINGLE COMPARTMENT SINK	3/8	3/8	1-1/2
SK-2	SINGLE COMPARTMENT	3/8	3/8	1-1/2
MR-1	MOP RECEPTOR	1/2	1/2	3
EW-C-1	ELECTRIC WATER COOLER	1/2	-	1-1/4
SH-1	SHOWER (HANDICAP)	1/2	1/2	2
EW-H-1	ELECTRIC WATER HEATER	1-1/4 INLET	1-1/4 OUTLET	-
EW-H-2	ELECTRIC WATER HEATER	3/4 INLET	3/4 OUTLET	-
CP-1	CIRCULATION PUMP (ONLINE)	-	3/4 FLANGE	-
TCV	TEMPERATURE CONTROL VALVE	-	1/2	-
FD	FLOOR DRAIN	1/2	-	3
HDFD	FLOOR DRAIN	1/2	-	4
WH	RECESSED WALL HYDRANT	3/4	-	-
MV-1	WATER MIXING VALVE	1/2	1/2	-
TP-1	TRAP PRIMER	1/2	-	-
SP-1	SUMP PUMP (ELEVATOR PIT)	-	-	1-1/2
UB-1	WATER SUPPLY CONNECTION BOX (REFRIGERATOR SPACE)	1/2	-	-

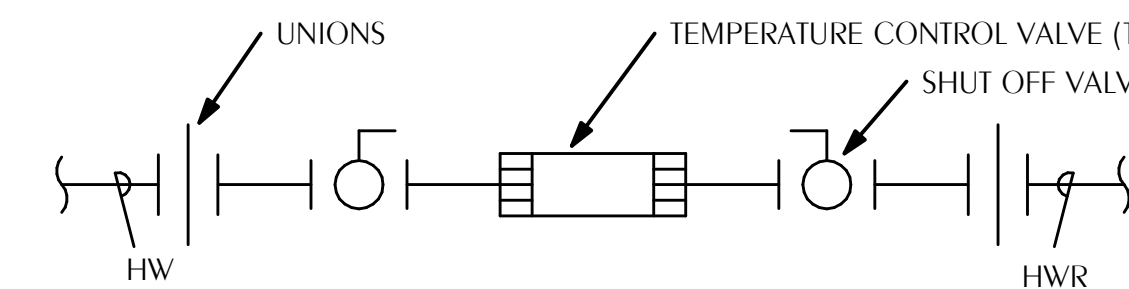
- WATER SUPPLY TAPPING TO EACH PLUMBING FIXTURE SHALL BE FULL SIZE (MINIMUM).
- SEE ELECTRICAL DWGS FOR FINAL POWER REQUIREMENTS.
- PROVIDE WATER HAMMER ARRESTERS ON HOT & COLD WATER SUPPLY BRANCHES SERVING SINGULAR, MULTIPLE OR GROUPS OF PLUMBING FIXTURES. ADHERENCE TO THE PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I.-WH201 (PER SPECIFICATIONS) SHALL BE EMPLOYED IN DETERMINING PROPER SIZE, SELECTION, PLACEMENT, LOCATION AND INSTALLATION OF ARRESTERS.



3 UNDER SINK MIXING VALVE DETAIL

P-001 SCALE: NONE

TYPICAL FOR L-1, L-2, L-3, SK-1, SK-2



5 TEMPERATURE CONTROL VALVE DETAIL

P-001 SCALE: NONE

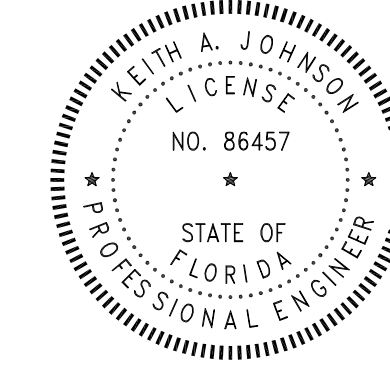
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ARCHITECTS

DAG Architects AR0009694
1223 Airport Road Destin, FL 32541
850.837.8152
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DRAWINGS**

DRAWING SEAL:



OKALOOSA COUNTY
NEW TAX COLLECTOR OFFICE
BUILDING

1448 COMMERCE DRIVE
CRESTVIEW, FLORIDA 32539



REVISIONS:		
NO.	DESCRIPTION	DATE

LEGEND, SCHEDULE,
DETAILS, & NOTES

PROJECT NUMBER **24044**
DATED **2-5-2025**

P-001

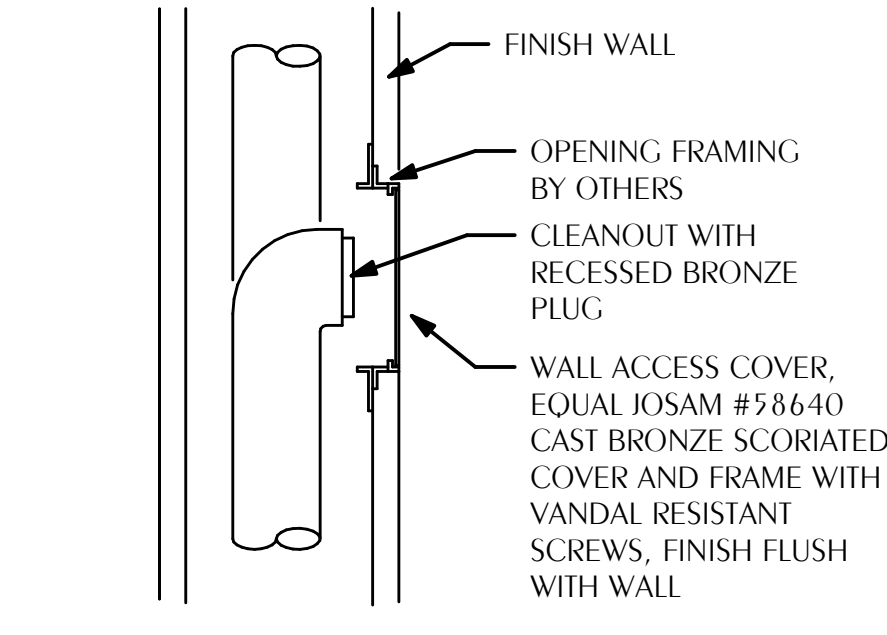
**WATFORD
ENGINEERING**

Florida CA Number: 37825
Keith A. Johnson, PE
Florida License Number: 86457
850.837.8152
Project Number: 2404-043
Checked By: KAJ
Drawn By: KAJ

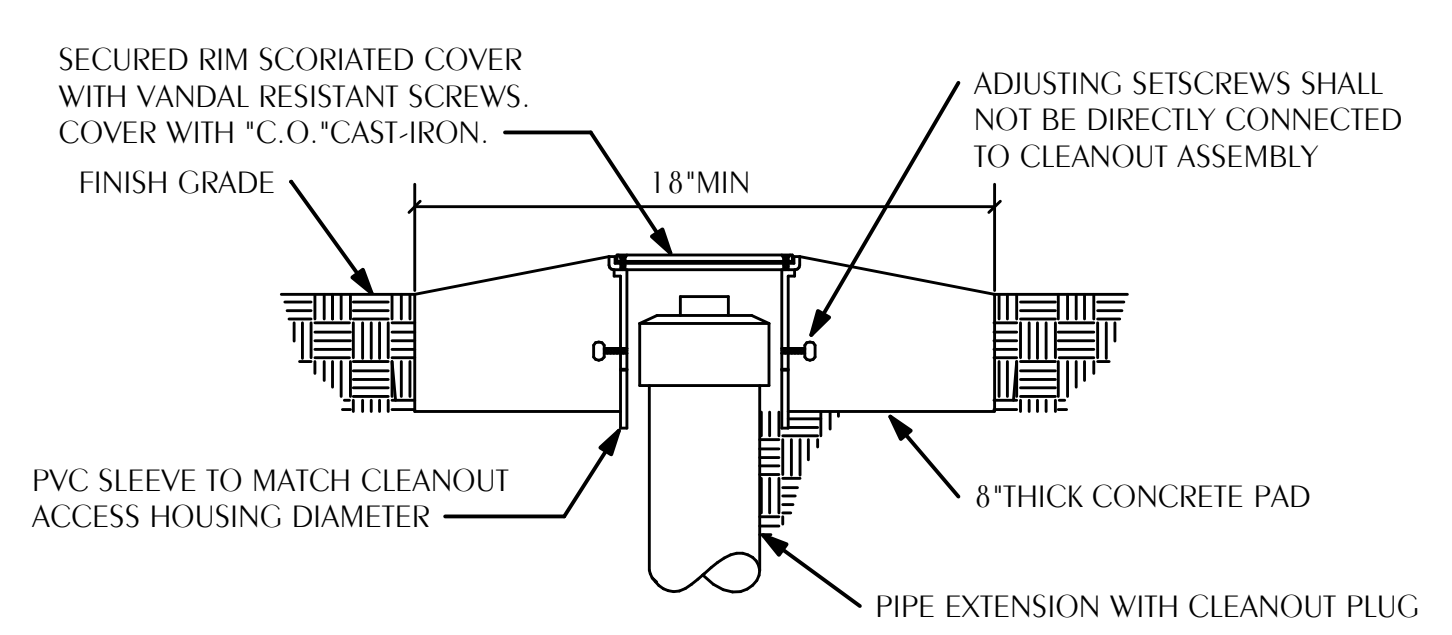
4532 Citrus Street Marietta, Florida 30146
211 N. College St. Office 1078 Auburn, AL 36801

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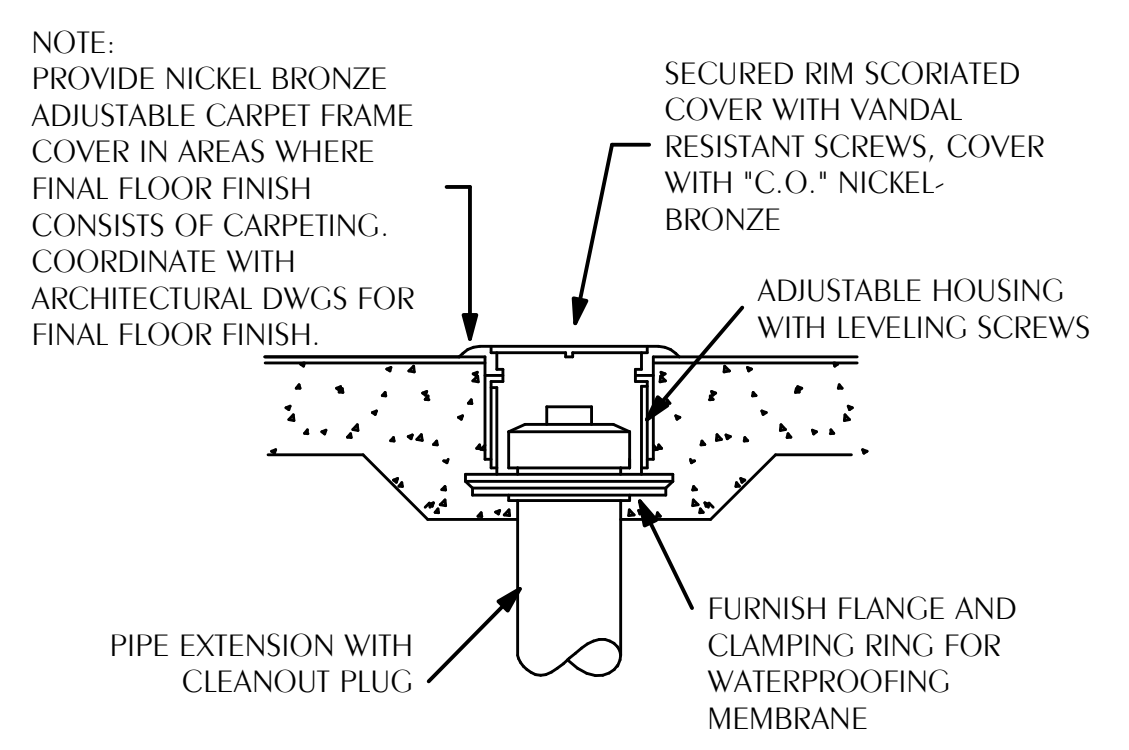
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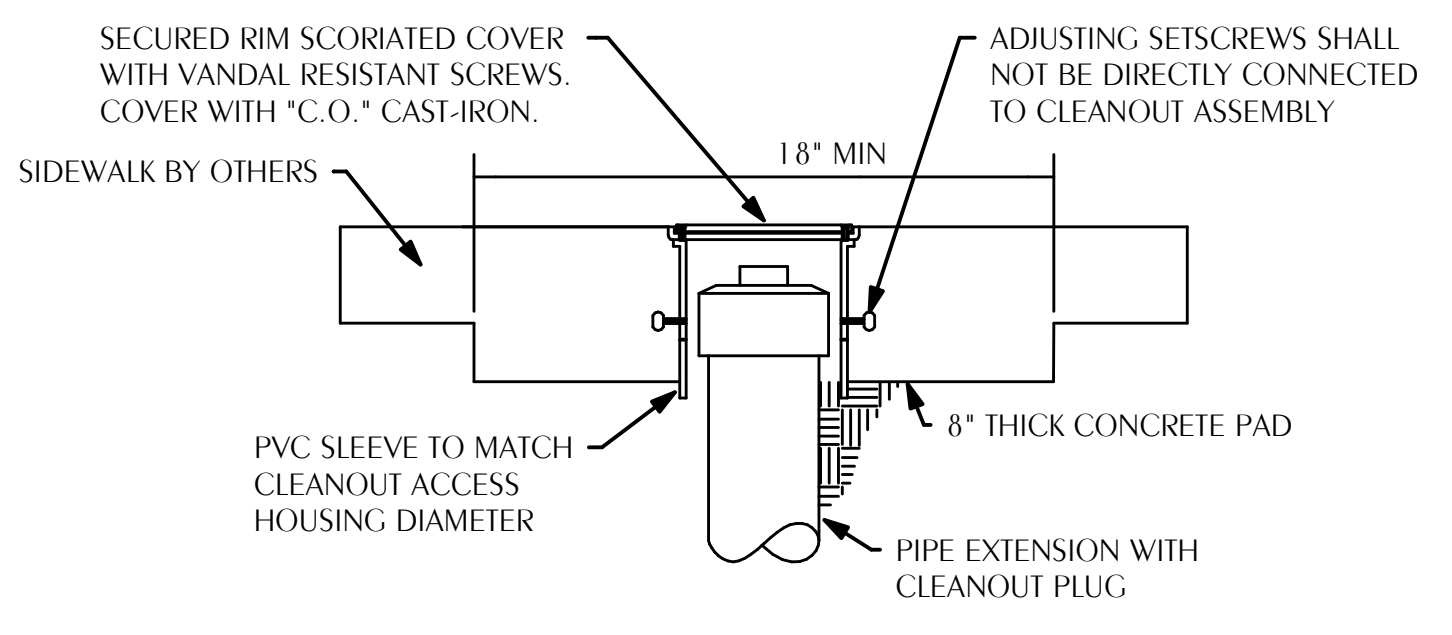
1 CLEANOUT TO WALL
P-002 SCALE: NONE



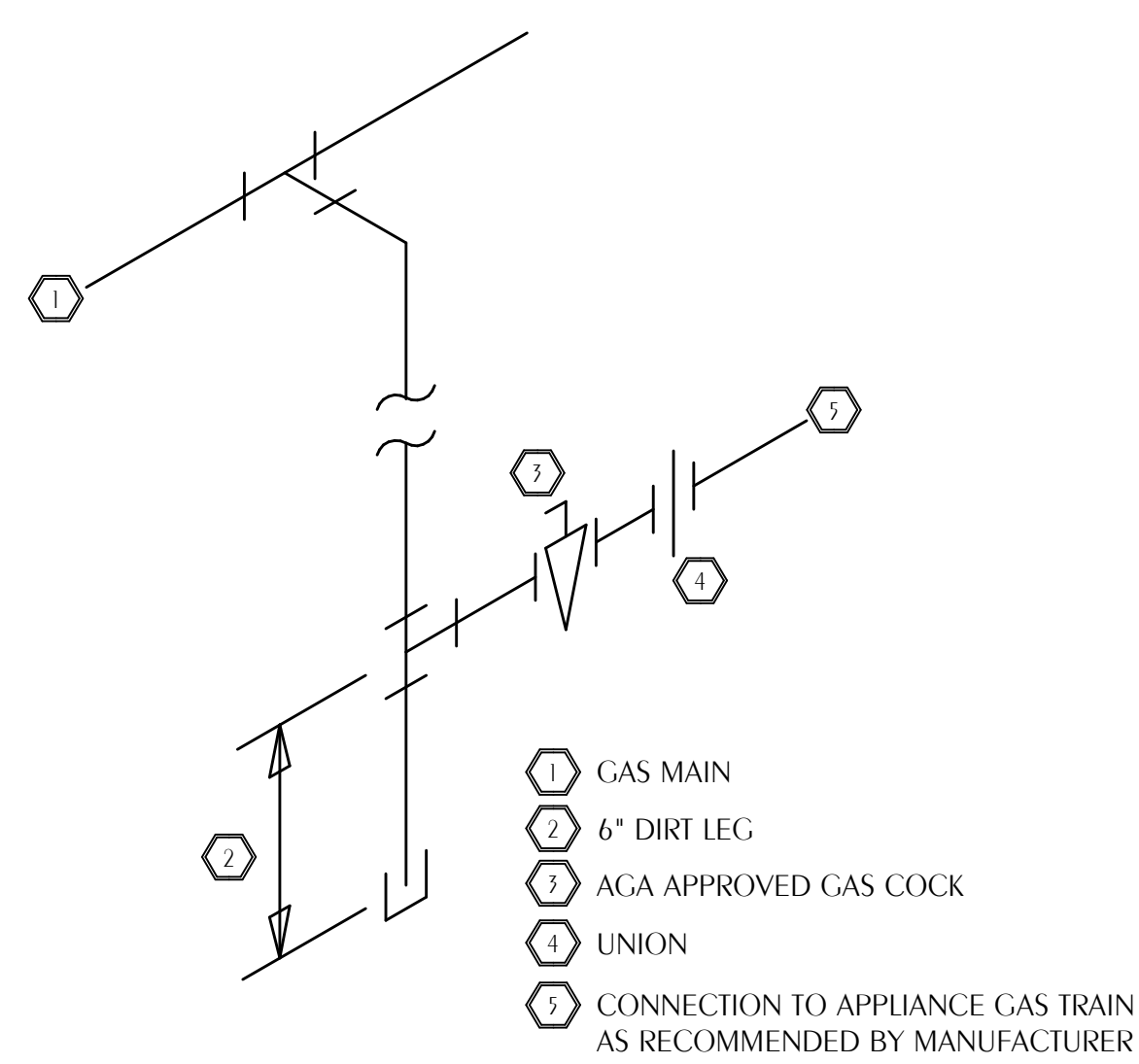
2 CLEANOUT TO GRADE
P-002 SCALE: NONE



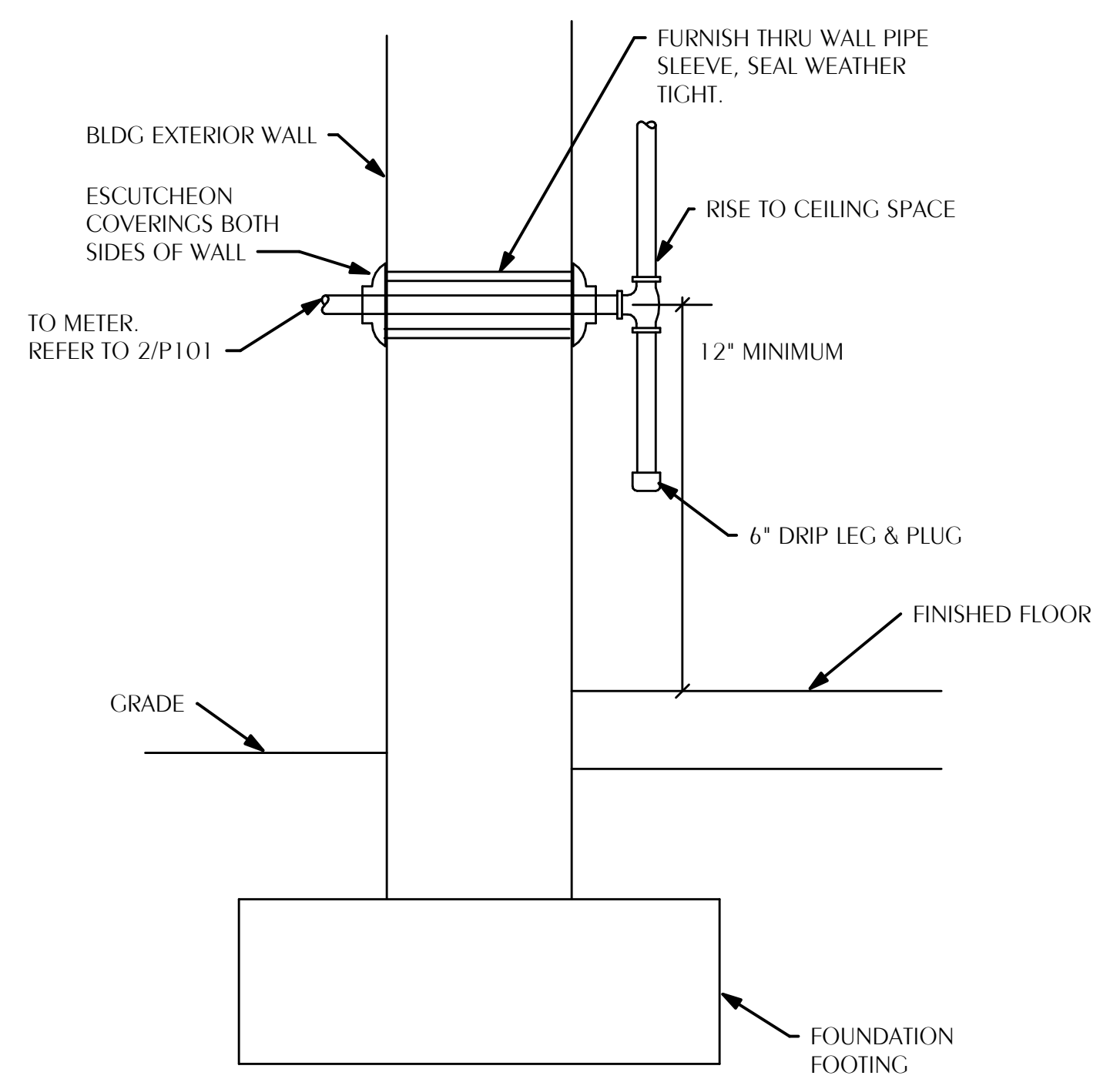
3 CLEANOUT TO FLOOR
P-002 SCALE: NONE



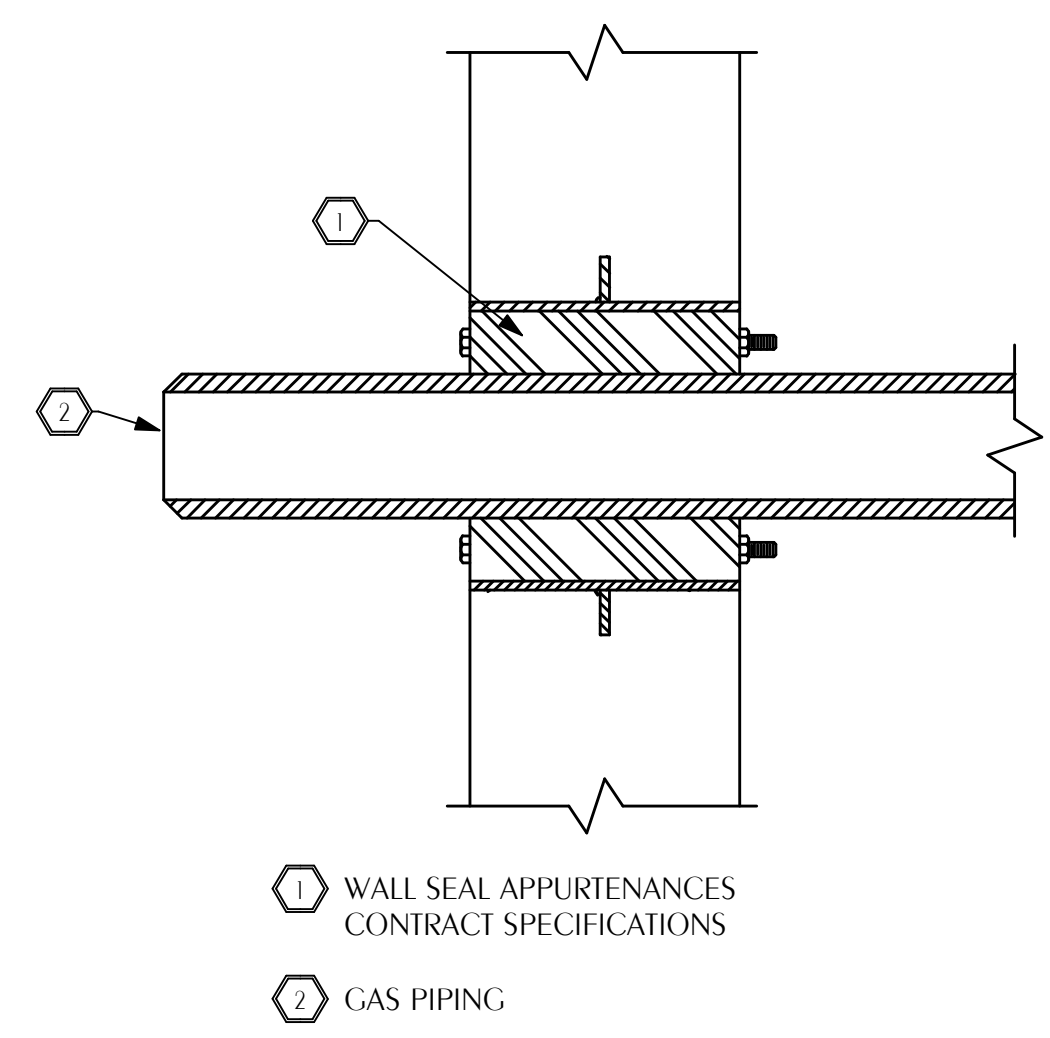
4 CLEAN OUT TO SIDEWALK
P-002 SCALE: NONE



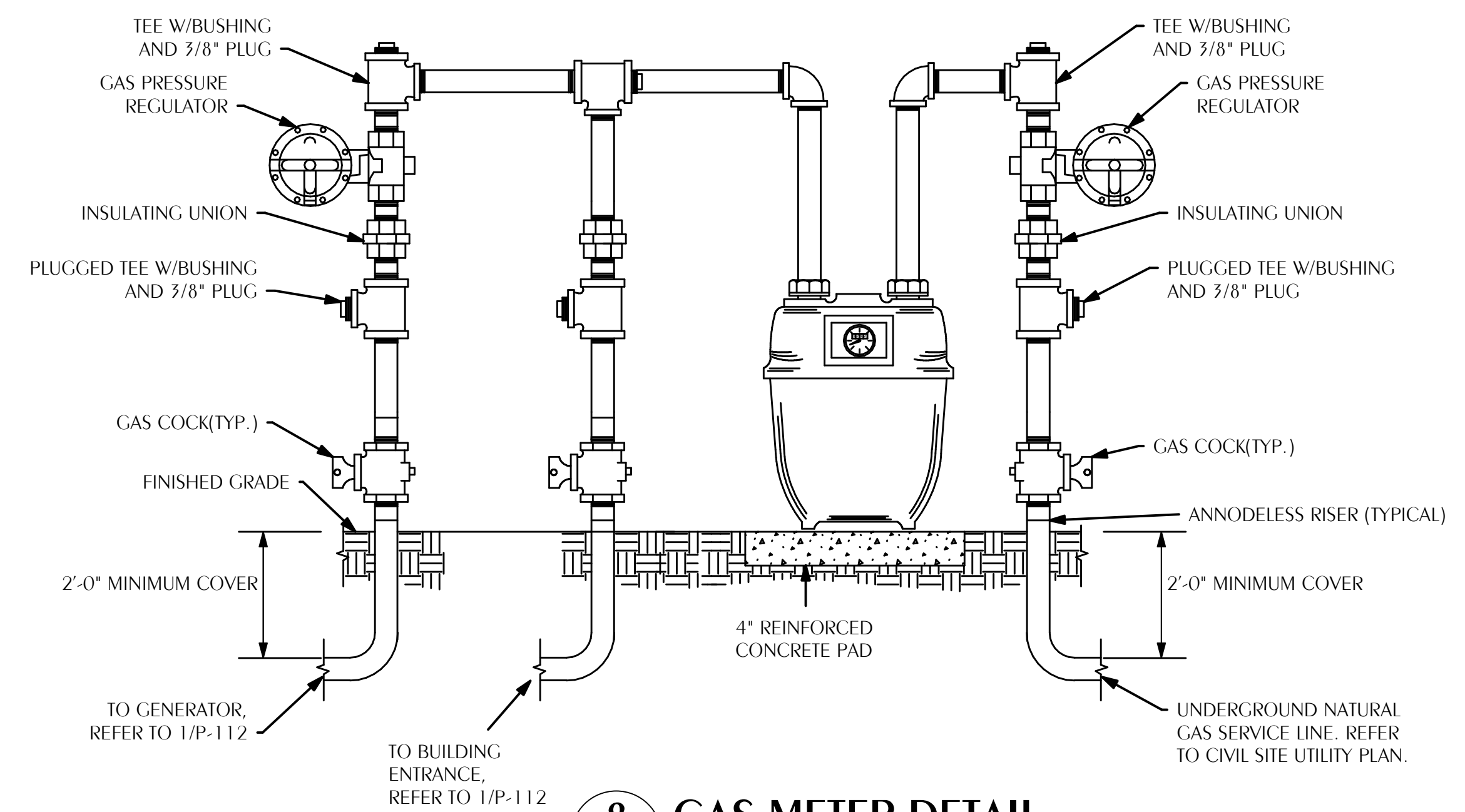
5 GAS PIPING CONNECTION
P-002 SCALE: NONE



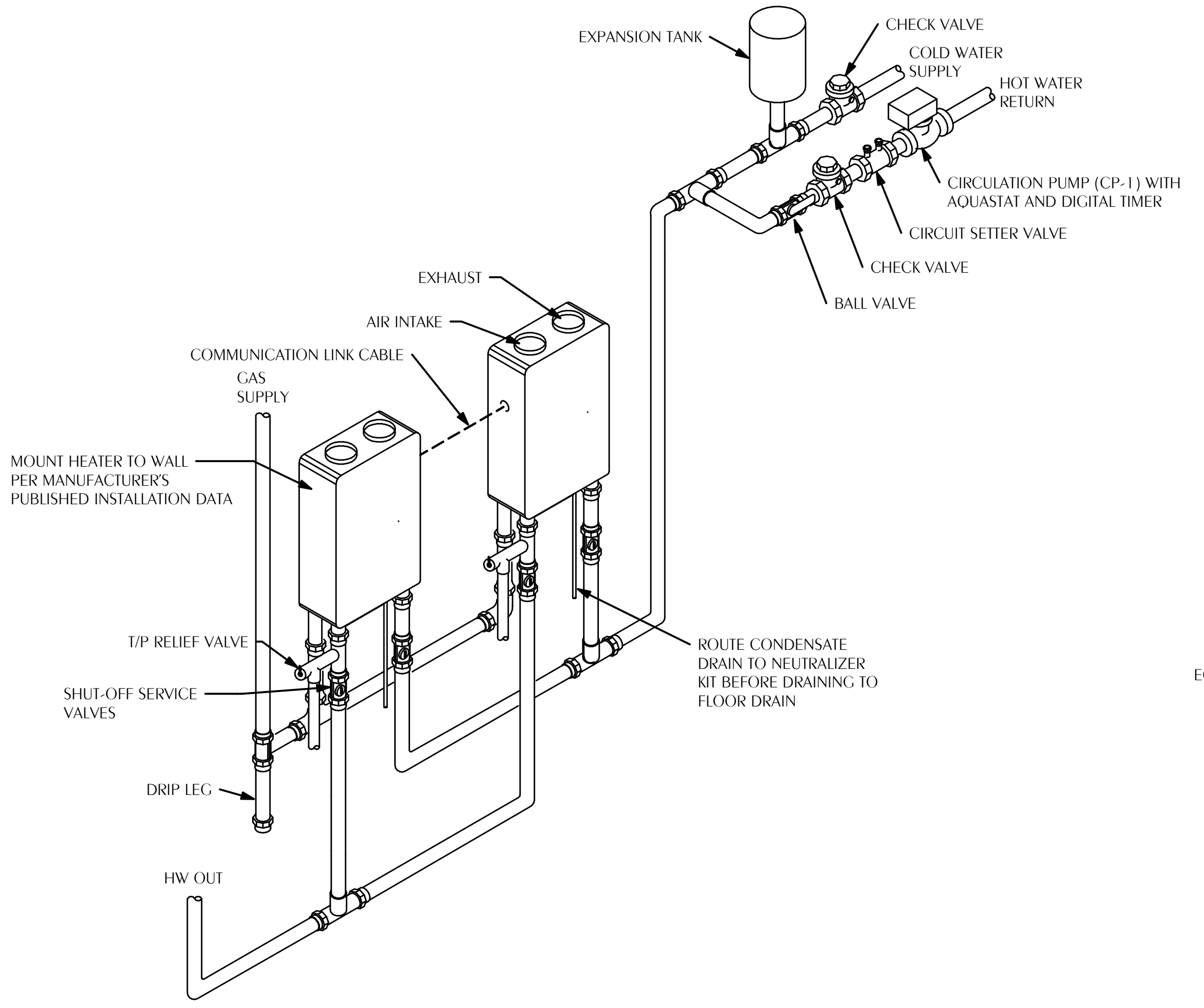
6 GAS ENTERING BUILDING
P-002 SCALE: NONE



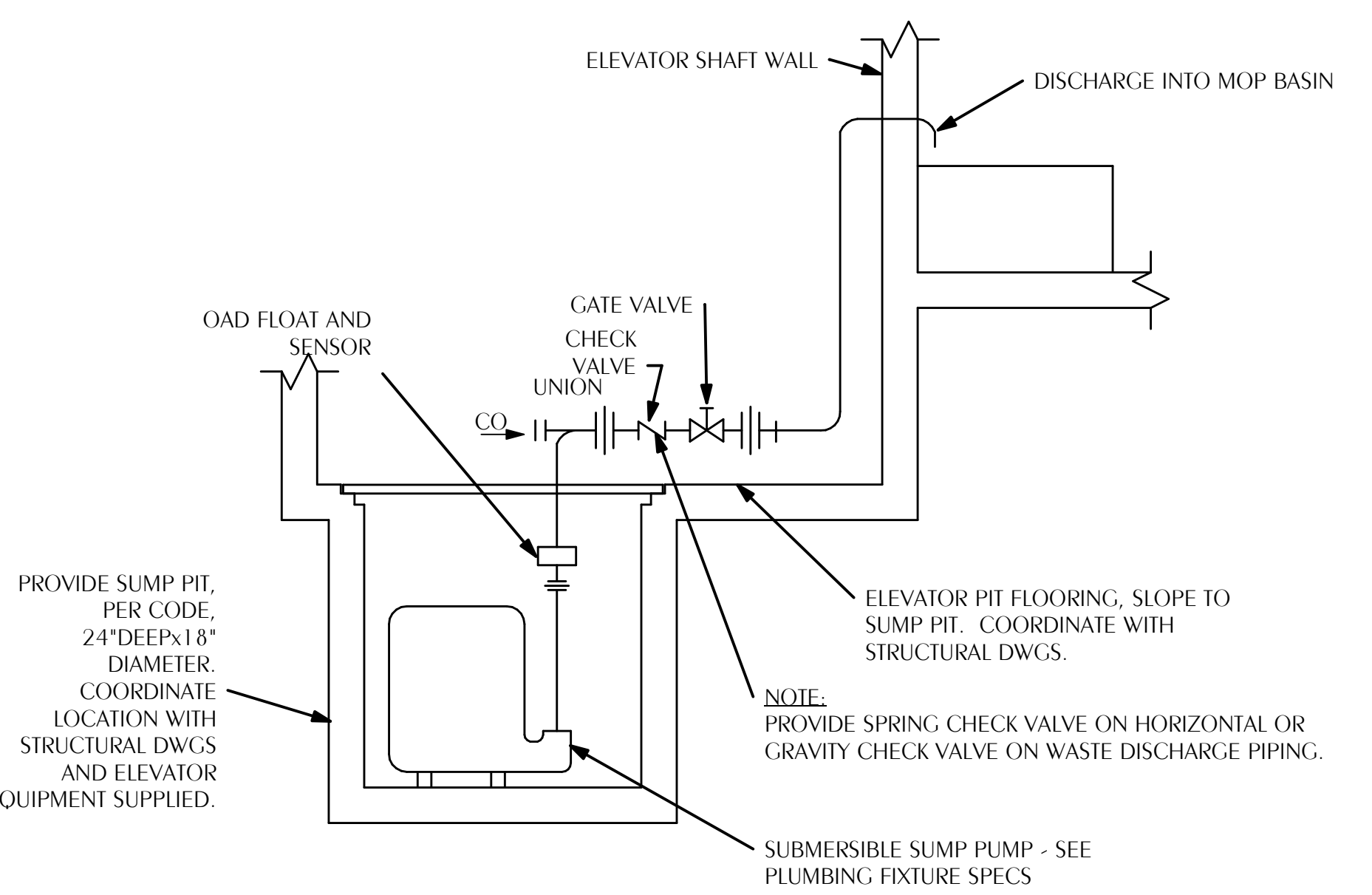
7 GAS PIPE PENETRATION
P-002 SCALE: NONE



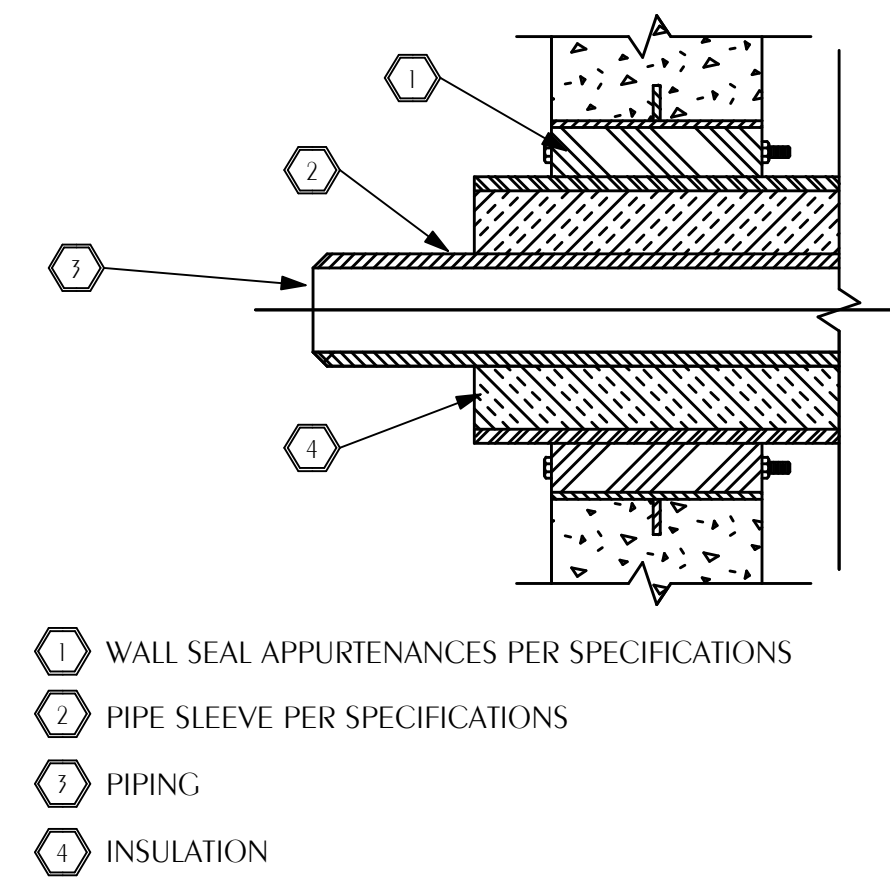
8 GAS METER DETAIL
P-002 SCALE: NONE



9 INSTANTANEOUS GAS WATER HEATER
P-002 SCALE: NONE



10 SUMP PUMP DETAIL
P-002 SCALE: NONE

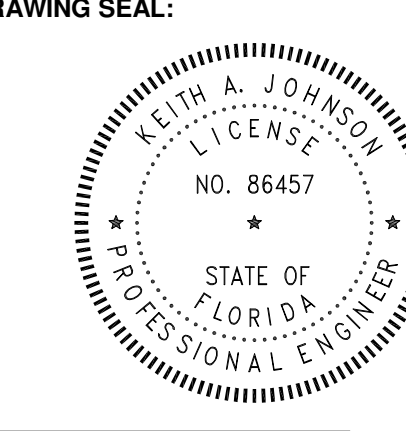


11 TYPICAL PIPE PENETRATION OF WALL
P-002 SCALE: NONE

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ARCHITECTS
DAG Architects AR0009694
1223 Airport Road Destin, FL 32541
850.837.8152
www.DAGarchitects.com

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OKALOOSA COUNTY
 NEW TAX COLLECTOR OFFICE
 BUILDING
 1448 COMMERCE DRIVE
 CRESTVIEW, FLORIDA 32539



REVISIONS:

NO.	DESCRIPTION	DATE

PLUMBING DETAILS

PROJECT NUMBER 24044
DATED 2-5-2025

P-002

WATFORD ENGINEERING
Florida CA Number: 37825
Keith A. Johnson, P.E.
Florida License Number: 86457
4532 Citrus Street, Moxley, Florida 32446
311 N. College St. Office 1218 Auburn, AL 36809
Checked By: KAJ
Drawn By: KAJ

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PLUMBING FIXTURE SPECIFICATIONS

- 1. FIXTURES AND EQUIPMENT:**
 A. FURNISH AND INSTALL PLUMBING FIXTURES, EQUIPMENT, DRAINS, ETC., COMPLETE WITH ALL TRIM, FITTINGS, AND OTHER DEVICES WHICH ARE CONSIDERED NECESSARY BY THE TRADE, BY CRAFT STANDARDS, AND/OR BY THE ARCHITECT.
 B. WATER CLOSETS, LAVATORIES, SINKS, ETC. ARE SELECTED BY THE ARCHITECT. ANY DEVIATION FROM BASIS OF DESIGN MUST BE APPROVED BY THE ARCHITECT.
- 2. PLUMBING FIXTURES, EQUIPMENT, AND TRIM:**
- WC-1. WATER CLOSET, WALL MOUNT (HANDICAP, SENSOR VALVE):**
 VITREOUS CHINA, 1.6 GALLONS PER FLUSH, ELONGATED, WHITE, 1-1/2" TOP SPUD, EXPOSED CHROME PLATED SENSOR OPERATED FLUSH VALVE, POWERED BY 1.5V AA LITHIUM BATTERIES, WITH MECHANICAL OVERRIDE. HEAVY MOLDED PLASTIC, WHITE, ELONGATED, OPEN FRONT SEAT LESS COVER, WITH STAINLESS STEEL, SELF-SUSTAINING CHECK HINGES, MOUNT TO SATISFY ADA REQUIREMENTS, COORDINATE WITH ARCHITECTURAL DRAWINGS (TOILET ROOM ELEVATIONS) FOR FINAL MOUNTING HEIGHT. REFERENCE FLOOR PLANS FOR CARRIER ORIENTATION.
 WATER CLOSET AND VALVE KOHLER K-PR84225-15D-NA
 SEAT ZURN Z79555-EL-515
 NEO-SEAL GASKET KIT ZURN Z5977-AEO
 CARRIER 1 ZURN Z-1208HLN
- WC-2. WATER CLOSET, WALL MOUNT (STANDARD, SENSOR VALVE):**
 VITREOUS CHINA, 1.6 GALLONS PER FLUSH, ELONGATED, WHITE, 1-1/2" TOP SPUD, EXPOSED CHROME PLATED SENSOR OPERATED FLUSH VALVE, POWERED BY 1.5V AA LITHIUM BATTERIES, WITH MECHANICAL OVERRIDE. HEAVY MOLDED PLASTIC, WHITE, ELONGATED, OPEN FRONT SEAT LESS COVER, WITH STAINLESS STEEL, SELF-SUSTAINING CHECK HINGES, COORDINATE WITH ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS. REFERENCE FLOOR PLANS FOR CARRIER ORIENTATION.
 WATER CLOSET AND VALVE KOHLER K-PR84225-15D-NA
 SEAT ZURN Z79555-EL-515
 NEO-SEAL GASKET KIT ZURN Z5977-AEO
 CARRIER 1 ZURN Z-1208HLN
- UR-1. URINAL, WALL-MOUNT (HANDICAP, ELECTRONIC VALVE):**
 VITREOUS CHINA, 0.125 GALLONS PER FLUSH, WASHOUT TYPE, 3/4" EXPOSED TOP SPUD URINAL. PROVIDE EXPOSED SENSOR OPERATED BATTERY POWERED ELECTRONIC PISTON TYPE URINAL FLUSH VALVE, MANUAL OVER RIDE BLOCK, VACUUM BREAKER, ALL EXPOSED PARTS CHROME PLATED. FURNISH FLOOR MOUNT SINGLE CARRIER WITH HANGER PLATE, BEARING PLATE, ADJUSTABLE SUPPORTING RODS, STRUCTURAL UPRIGHTS AND BLOCK BASES, SECURE BASE TO FLOOR FOR RIGID CONNECTION WITH 1/2" X 3-3/4" THREADED ZINC PLATED STEEL HEAVY-DUTY WEDGE ANCHORS, COMPLETE WITH STAINLESS STEEL CLIP, WASHER AND THREADED NUT CONFORMING TO FEDERAL SPEC. FF-S-525. MOUNT TO SATISFY ADA REQUIREMENTS, COORDINATE WITH ARCHITECTURAL DRAWINGS (TOILET ROOM ELEVATIONS) FOR FINAL MOUNTING HEIGHT.
 URINAL & VALVE KOHLER "BARDON" K-PR4991-11H
 FLANGE KIT KOHLER
 CARRIER ZURN Z-1222
 BASE ANCHORAGE B-LINE ANCHORS AWA-50-375
- L-1. SINGLE STATION WASH BASIN (HANDICAP):**
 ALL IN ONE WASH BAR 29-3/4" X 21 X 20", ONE PIECE, CHROME PLATED WASHBAR INCLUDING TOUCH-FREE SOAP, WATER, AND HAND DRYER WITH SINGLE PIECE CAST BASIN, ADJUSTABLE FLOW OUTLET SET TO 0.5 GPM, NON-AERATED SPAY PATTERN, 24 HOUR AUTOMATIC PURGE, BRUSHLESS HAND DRYER MOTOR WITH FIELD ADJUSTABLE FAN SPEED, TOUCH FREE SOAP DISPENSER, CHROME PLATED P-TRAP, AND BRASS THERMOSTATIC MIXING VALVE LIMITS HOT WATER BETWEEN 80°F AND 120°F MEETING ASSE 1070, SET NOT TO EXCEED 103°F. PROVIDE CHROME PLATED ANGLE STOP TO WALL WITH CHROME PLATED 3/8"x1/2" FLEXIBLE SUPPLY AND LOOSE KEY OPERATOR, INTEGRAL PERFORATED CAST BRASS STRAINER WITH ELBOW AND 1-1/4" OFFSET TAILPIECE, CHROME PLATED 1/2 GAUGE CAST BRASS P-TRAP WITH CLEANOUT AND TUBE WASTE TO WALL, POLISHED CHROME PLATED CAST BRASS SINGLE WATER METERING FAUCET WITH COVER PLATE, AERATOR OUTLET AND STRAIGHT HANDLE. UNDER SINK MIXING VALVE WITH THREADED CONNECTION, BRONZE BODY, LIMITS HOT WATER BETWEEN 80°F & 120°F, DOUBLE THROTTLING, INTEGRAL INLET FILTER WASHERS & CHECK VALVES, TAMPER RESISTANT LOCKING CAP, MEETS ASSE 1070 STANDARDS. LAVATORY P-TRAP AND SINGLE VALVE ASSEMBLIES SHALL BE INSULATED WITH FULLY MOLDED INSULATION KIT, LIGHT GRAY COLOR WITH 3-PIECE INTERLOCKING TRAP ASSEMBLY AND 2-PIECE INTERLOCKING ANGLE VALVE ASSEMBLY. FASTENERS SHALL BE NYLON-TYPE SUPPLIED WITH KIT. LAVATORY SHALL BE MOUNTED WITH A CLEARANCE OF AT LEAST 28" FROM FLOOR TO BOTTOM OF THE APRON. KNEE AND TOE CLEARANCES SHALL BE AS FOLLOWS: 27" CLEAR HEIGHT SHALL BE PROVIDED FROM FINISHED FLOOR TO A POINT ON UNDERSIDE OF BOWL 8" IN FROM FRONT APRON. TOE CLEARANCE SHALL BE A MINIMUM HEIGHT OF 9" UNDER P-TRAP AND SUPPLIES OR STOPS. ALL OPTIONS, ACCESSORIES, COLORS, AND FINISH SHALL BE SELECTED BY ARCHITECT. REQUIRES DEDICATED NEMA 5-15R RECEPTACLE, 125V GFCI RECEPTACLE. EACH 12V DC DRYER CABLE POWERS THE WASHBAR FAUCET, SOAP, AND MULTI-FEED SYSTEM VIA THE DEDICATED OUTLET.
 WASH STATION BRADLEY "VERGE" LV0D1-WB2-5-HD2
 SUPPLY W/STOP ZURN 8802LRK-PC
 P-TRAP BRADLEY S-CHROME
 MIXING VALVE BRADLEY -T
- L-2. THREE STATION WASH BASIN (STANDARD):**
 ALL IN ONE WASH STATION 86-3/4" X 21 X 20", ONE PIECE, THREE CHROME PLATED WASHBARS INCLUDING TOUCH-FREE SOAP, WATER, AND HAND DRYER WITH SINGLE PIECE CAST BASIN, ADJUSTABLE FLOW OUTLET SET TO 0.5 GPM, NON-AERATED SPAY PATTERN, 24 HOUR AUTOMATIC PURGE, BRUSHLESS HAND DRYER MOTOR WITH FIELD ADJUSTABLE FAN SPEED, TOUCH FREE SOAP DISPENSER, CHROME PLATED P-TRAP, AND BRASS THERMOSTATIC MIXING VALVE LIMITS HOT WATER BETWEEN 80°F AND 120°F MEETING ASSE 1070, SET NOT TO EXCEED 103°F. PROVIDE CHROME PLATED ANGLE STOP TO WALL WITH CHROME PLATED 3/8"x1/2" FLEXIBLE SUPPLY AND LOOSE KEY OPERATOR, INTEGRAL PERFORATED CAST BRASS STRAINER WITH ELBOW AND 1-1/4" OFFSET TAILPIECE, CHROME PLATED 1/2 GAUGE CAST BRASS P-TRAP WITH CLEANOUT AND TUBE WASTE TO WALL. POLISHED CHROME PLATED CAST BRASS SINGLE WATER METERING FAUCET WITH COVER PLATE, AERATOR OUTLET AND STRAIGHT HANDLE. UNDER SINK MIXING VALVE WITH THREADED CONNECTION, BRONZE BODY, LIMITS HOT WATER BETWEEN 80°F & 120°F, DOUBLE THROTTLING, INTEGRAL INLET FILTER WASHERS & CHECK VALVES, TAMPER RESISTANT LOCKING CAP, MEETS ASSE 1070 STANDARDS. LAVATORY P-TRAP AND SINGLE VALVE ASSEMBLIES SHALL BE INSULATED WITH FULLY MOLDED INSULATION KIT, LIGHT GRAY COLOR WITH 3-PIECE INTERLOCKING TRAP ASSEMBLY AND 2-PIECE INTERLOCKING ANGLE VALVE ASSEMBLY. FASTENERS SHALL BE NYLON-TYPE SUPPLIED WITH KIT. LAVATORY SHALL BE MOUNTED WITH A CLEARANCE OF AT LEAST 28" FROM FLOOR TO BOTTOM OF THE APRON. KNEE AND TOE CLEARANCES SHALL BE AS FOLLOWS: 27" CLEAR HEIGHT SHALL BE PROVIDED FROM FINISHED FLOOR TO A POINT ON UNDERSIDE OF BOWL 8" IN FROM FRONT APRON. TOE CLEARANCE SHALL BE A MINIMUM HEIGHT OF 9" UNDER P-TRAP AND SUPPLIES OR STOPS. ALL OPTIONS, ACCESSORIES, COLORS, AND FINISH SHALL BE SELECTED BY ARCHITECT. REQUIRES DEDICATED NEMA 5-15R RECEPTACLE, 125V GFCI RECEPTACLE. EACH 12V DC DRYER CABLE POWERS THE WASHBAR FAUCET, SOAP, AND MULTI-FEED SYSTEM VIA THE DEDICATED OUTLET.
 WASH STATION BRADLEY "VERGE" LV0D3-WB2-5-HD2
 SUPPLY W/STOP ZURN 8802LRK-PC
 P-TRAP BRADLEY S-CHROME
 MIXING VALVE BRADLEY -T
- L-3. LAVATORY (HANDICAP):**
 21-5/16 X 16-3/8 X 6-15/16, WHITE, RECTANGULAR VITREOUS CHINA UNDERMOUNT BASIN WITH REAR OVERFLOW. PROVIDE CHROME PLATED ANGLE STOP TO WALL WITH CHROME PLATED FLEXIBLE COPPER RISERS AND LOOSE KEY OPERATOR, INTEGRAL PERFORATED/CAST BRASS STRAINER WITH ELBOW AND 1-1/4" OFFSET TAILPIECE, CHROME PLATED CAST BRASS P-TRAP WITH CLEANOUT AND TUBE WASTE TO WALL, VIBRANT BRUSHED NICKEL TWIN HANDLE FAUCET WITH 1-2 GPM OUTLET. LAVATORY P-TRAP AND ANGLE VALVE ASSEMBLIES SHALL BE INSULATED WITH FULLY MOLDED INSULATION KIT, WHITE COLOR, ANTI-FUNGAL, ANTI-MICROBIAL, ANTI-BACTERIAL, WITH HOOK AND LOOP FASTENING. KNEE AND TOE CLEARANCES SHALL BE A MINIMUM HEIGHT OF 9" UNDER P-TRAP AND SUPPLIES OR STOPS. SEE ARCHITECTURAL PLANS FOR FINAL MOUNTING HEIGHT. PROVIDE WITH MV-1 UNDER SINK MIXING VALVE WITH THREADED CONNECTION, BRONZE BODY, LIMITS HOT WATER BETWEEN 80°F AND 120°F, FLOW RATE AS LOW AS 0.25 GPM AND AS HIGH AS 2.25 GPM, DOUBLE THROTTLING, INTEGRAL INLET STRAINER WITH 40 MESH STAINLESS STEEL SCREEN, CHECK VALVES, TAMPER RESISTANT LOCKING NUT, MEETS ASSE 1070 STANDARDS.
 LAVATORY KOHLER "BRAZN" K-21058-0
 FAUCET KOHLER "SIMPLIC" K-27390-4-BN
 SUPPLY W/STOP ZURN Z-8802LRK-PC
 P-TRAP ZURN Z-8700-PC
 STRAINER/TAILPIECE ZURN Z-8746
 INSULATION KIT DEARBORN ADA100
 MIXING VALVE WATTS LFUSG-B

- SK-1. SINGLE COMPARTMENT STAINLESS STEEL SINK:**
 32" X 18-5/16" X 9-5/16" DEEP (BOWL IS 30-1/4" X 16-9/16" X 9), 16 GAUGE, UNDERMOUNT SINGLE COMPARTMENT STAINLESS STEEL SINK WITH , BACK LEDGE SINK WITH SOUND ABSORPTION SYSTEM. PROVIDE TOP MOUNT, SINGLE LEVER HANDLE, GOOSENECK FAUCET WITH PULL-DOWN SPRAY HEAD SPOUT WITH TOUCH CONTROL, STRAINER WITH REMOVABLE CRUMB CUP AND STOPPER, 1-1/2 TAILPIECE, CHROME PLATED 17 GAUGE CAST BRASS TRAP WITH CLEANOUT AND TUBE WASTE TO WALL. CHROME PLATED FIXED KEY ANGLE STOP TO WALL WITH 3/8"x1/2" CHROME PLATED FLEXIBLE HOT AND COLD WATER SUPPLIES. COORDINATE WITH CABINET SHOP DRAWINGS, BASE CABINET MUST BE A TRUE MINIMUM 24" DEEP BACK TO FRONT IN ORDER FOR SINK TO DROP INTO COUNTERTOP OPENING. SINK DRILLINGS SHALL ACCOMMODATE FITTING INSTALLATION, ONLY. NO OTHER CAPPED OPENINGS WILL BE ALLOWED. FINAL FINISH AS SELECTED BY ARCHITECT. PROVIDE WITH MV-1 UNDERSINK MIXING VALVE
 SINK KOHLER "STRIVE" K-5285-NA
 FAUCET KOHLER "COMPONENTS" K-28268-VS
 STRAINER ELKAY IK-35
 SUPPLIES ZURN Z-8802-LR-LK
 P-TRAP ZURN 8702 PC
 MIXING VALVE WATTS LFUSG-B
- SK-2. SINGLE COMPARTMENT STAINLESS STEEL SINK:**
 31" X 22" X 7-5/8" DEEP (BOWL IS 28X16X7-1/2), TYPE 304, 18 GAUGE, 4" CENTERS, SELF RIMMING SINGLE COMPARTMENT, (18-8) NICKEL BEARING STAINLESS STEEL, BACK LEDGE SINK WITH SATIN FINISH AND SOUND DEADENING MATERIALS ON SIDE AND BOTTOM OF SINK. PROVIDE TOP MOUNT, STRAIGHT LEVER HANDLES, SWING GOOSENECK SPOUT WITH PRESSURE COMPENSATING AERATOR, STRAINER WITH REMOVABLE CRUMB CUP AND STOPPER, 1-1/2 TAILPIECE, CHROME PLATED 17 GAUGE CAST BRASS TRAP WITH CLEANOUT AND TUBE WASTE TO WALL. CHROME PLATED FIXED KEY ANGLE STOP TO WALL WITH 3/8"x1/2" CHROME PLATED FLEXIBLE HOT AND COLD WATER SUPPLIES. COORDINATE WITH CABINET SHOP DRAWINGS, BASE CABINET MUST BE A TRUE MINIMUM 24" DEEP BACK TO FRONT IN ORDER FOR SINK TO DROP INTO COUNTERTOP OPENING. SINK DRILLINGS SHALL ACCOMMODATE FITTING INSTALLATION, ONLY. NO OTHER CAPPED OPENINGS WILL BE ALLOWED. PROVIDE WITH MV-1 UNDERSINK MIXING VALVE.
 SINK ELKAY DLR-3122-12
 FAUCET ZURN Z-812 A1
 STRAINER ELKAY IK-35
 SUPPLIES ZURN Z-8802-LR-LK
 P-TRAP ZURN 8702 PC
 MIXING VALVE WATTS LFUSG-B
- UB-1. ICE MAKER HOOK-UP (REFRIGERATOR SPACE):**
 RECESSED METAL WALL BOX CONSTRUCTED AND SUITABLE FOR FIRE RATED PARTITIONS, COMPLETE WITH FACTORY INSTALLED SHANK VALVE WITH 1/4" O.D. COPPER OUTLET TESTED @ 100 P.S.I. PROVIDE APPROXIMATELY 5'-0" OF 1/4" O.D. SOFT COPPER TUBING WITH COMPRESSION FITTING IN TIGHT COIL. ANCHOR BOX TO WALL STRUCTURE. VERIFY LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS OR MOUNT TO MANUFACTURERS RECOMMENDATIONS.
 WALL BOX GUY GRAY BIM 875
- MR-1. SERVICE SINK (FLOOR TYPE):**
 36" X 36" X 12" DEEP, FLOOR MOUNT, TERRAZZO WITH 20 GAUGE STAINLESS STEEL INTEGRAL CAST CAP, 3" CAST BRASS OUTLET DRAIN WITH STAINLESS STEEL STRAINER. ROUGH CHROME PLATED 8" FAUCET WITH TOP BRACE, STRAIGHT LEVER HANDLES, SWIVEL INLETS, BUCKET HOOK, VACUUM BREAKER, STOPS AND HOSE END. CHROME PLATED LOOSE KEY ANGLE STOP TO WALL WITH 3/8"x1/2" CHROME PLATED FLEXIBLE HOT AND COLD WATER SUPPLIES.
 MOP BASIN FIAT SBC3636
 FAUCET ZURN Z847 M1 RC
- SP-1. ELEVATOR SLUMP PUMP:**
 SUBMERSIBLE SUMP PUMP, BRONZE WITH I.P.S. CONNECTION, CAPACITY OF 50 GPM @ 8 FT DISCHARGE HEAD, PROVIDE WITH MAGNETIC STARTERS, 1750 RPM, INTEGRAL SUBMERSIBLE SWITCH WITH ROD AND FLOAT FOR AUTOMATIC CONTROL. FURNISH WITH METAL FRAME AND STEEL COVER. SIZE TO BE FOR 24"x24"x30" DEEP CONCRETE PIT. COORDINATE WITH STRUCTURAL AND ARCHITECTURAL ELEVATOR WALL FOOTING DETAILS. PUMP SHALL BE RATED AT 1/2 HP, 115 VOLTS. REMOTE ALARM REQUIRES A 120V RECEPTACLE.
 SUMP PUMP LIBERTY PUMPS ELV280 1/2 HP
 REMOTE ALARM LIBERTY OTC-115
- CP-1. CIRCULATOR PUMP (INLINE TYPE):**
 HIGH PERFORMANCE, VARIABLE SPEED, WET-ROTOR CIRCULATOR WITH STAINLESS STEEL CASING, COMPOSITE HOUSING, COMPOSITE IMPELLER, CERAMIC SHAFT AND BEARINGS, AND EPDM O-RING AND GASKETS. 5 SPEED SETTINGS, A 170 WAIT. ECM PERMANENT MAGNET MOTOR AND ELECTRICAL CHARACTERISTICS ARE 120V/1 PHASE, 60 HZ., WITH "I" CONNECTIONS, MAXIMUM OPERATING PRESSURE OF 150 PSI, UL STANDARD 778 AND NSF CERTIFIED. DIGITAL TIMER WITH CIRCULATOR PROGRAMMING. TEMPERATURE AQUASTAT, MAINTAINS WATER TEMPERATURE BETWEEN 103°F AND 113°F. CIRCUIT SETTER CALIBRATED BALANCE VALVE, LEAD-FREE BRASS, WITH 1/4" NPT TAPPED DRAIN PORT, MEMORY STOP FEATURE, SET AT 6 GPM. PROVIDE CIRCUIT SOLVER A SELF-ACTING THERMOSTATIC RECIRCULATION VALVE SET AT 110°F.
 CIRCULATOR TACO 0034E
 TIMER TACO 265-3
 AQUASTAT XYLEM CB-1/2S LF
 RECIRCULATION VALVE (TVC) CIRCUIT SOLVER CS-112-110.
- MV-1. WATER MIXING VALVE (THERMOSTATIC MIXING):**
 UNDER SINK 3/8" COMPRESSION FITTING MIXING VALVE, BRONZE BODY, LIMITS HOT WATER BETWEEN 80°F & 120°F WITH FLOW RATES AS LOW AS 0.25 GPM AND AS HIGH AS 2.25 GPM, DUAL CHECK VALVES, AND 40 MESH STAINLESS STEEL STRAINER. MEETS ASSE 1070 STANDARDS.
 EXPOSED MIXING VALVE WATTS LFUSG-B
- WH-1. RECESSED HOSE BIB & WALL HYDRANT:**
 ANTI-SIPHON VACUUM BREAKER, FLUSH MOUNTING STAINLESS STEEL WALL BOX, NARROW INSTALLATION, 3/4 INCH HOSE THREAD, BRONZE BODY WITH CHROME FINISH POLYCARBONATE WHEEL HANDLE, STOP VALVES, LOOSE KEY FAUCET OPERATOR.
 WALL FAUCET ZURN Z1350
- FD-1. FLOOR DRAIN:**
 DURA-COATED CAST IRON BODY, BOTTOM OUTLET AND TRAP PRIMER CONNECTION. TYPE B POLISHED NICKEL BRONZE STRAINER, MEMBRANE CLAMP & ADJUSTABLE COLLAR WITH SLOTS.
 FLOOR DRAIN ZURN Z-415B-P
- HDFD. HEAVY DUTY FLOOR DRAIN:**
 DURA-COATED CAST IRON BODY AND TOP, BOTTOM OUTLET, SEDIMENT BUCKET, AND TRAP PRIMER CONNECTION. MEMBRANE CLAMP & ADJUSTABLE COLLAR WITH SLOTS.
 FLOOR DRAIN ZURN Z-541
- EW-C-1. ELECTRIC WATER COOLER (DUAL PURPOSE/TWO LEVELS/BOTTLE STATION):**
 WALL MOUNT, DUAL-PURPOSE UNIT, SELF-CONTAINED ELECTRIC WATER COOLER WITH SENSOR-ACTIVATED BOTTLE FILLING STATION. FURNISH FLOOR MOUNTED TWO LEVELS DOUBLE CARRIER WITH BEARING PLATE, HANGER PLATE, ADJUSTABLE SUPPORTING RODS, STRUCTURAL UPRCHTS AND BLOCK BASES, SECURE TO FLOOR WITH 1/2" BOLTS AND ANCHORS. UNIT TO BE COMPLETE WITH HERMETIC AIR COOLED REFRIGERATION SYSTEM, COOLER PRE-COOLER, THERMOSTAT, SAFETY CONTROLS, CONDENSER FAN MOTOR, SILVER ION ANTIMICROBIAL PROTECTION ON KEY PLASTIC COMPONENTS, FLEXI-GUARD SAFETY BUBBLER, VERMIN PROOF INSULATION, HEAVY GAUGE STEEL CABINET, MOISTURE RESISTANT FINISH, QUIET OPERATION. TOP OF COOLER SHALL BE NO. 5 SATIN FINISH STAINLESS STEEL. COOLER CAPACITY SHALL BE 8.0 GPH. LAMINAR FLOW, VISUAL RILTER MONITOR, COOLING 80 DEGREE F WATER TO 50 DEGREE F. PROVIDE ONE-YEAR WARRANTY ON ENTIRE COOLER. PROVIDE CHROME PLATED STOP TO WALL WITH CHROME PLATED 3/8" FLEXIBLE SUPPLY. PROVIDE 1-1/2" CHROME PLATED 17 GAUGE CAST BRASS P-TRAP WITH CLEANOUT. CHROME PLATED LOOSE KEY ANGLE STOP TO WALL WITH 3/8" CHROME PLATED FLEXIBLE HOT AND COLD WATER SUPPLIES. 115V/60HZ, SINGLE PHASE, 5 FULL LOAD AMPS, 370 RATED WATTS, HERMETICALLY-SEALED RECIPROCATING COMPRESSOR. VERIFY FINAL LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS. FINISH TO BE SELECTED BY ARCHITECT. CERTIFIED TO NSF/ANSI 42, 53, 61, & 372. UL 399 REQUIREMENTS.
 EDF ELKAY LZSL8W5SP
 TRAP ZURN Z-8702-PC
 SUPPLIES ZURN Z-8800LK
 CARRIER Z1225 BL

- UB-2. CONDENSATE DRAIN BOX (REFRIGERATOR SPACE):**
 RECESSED PVC WALL BOX CONSTRUCTED AND SUITABLE FOR FIRE RATED PARTITIONS, COMPLETE WITH STANDARD FACEPLATE. ANCHOR BOX TO WALL STRUCTURE. VERIFY LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS OR MOUNT TO MANUFACTURERS RECOMMENDATIONS. PROVIDE SOLID OR LOUVERED FACEPLATE IN LOCATIONS AS DIRECTED BY ARCHITECT.
 WALL BOX IPS WATER-TITE MBFRS1200DB1
- IWH-1. INSTANTANEOUS WATER HEATER (2 WATER HEATERS):**
 NATURAL GAS, INDOOR WALL MOUNTED TANKLESS WATER HEATER SYSTEM WITH EXTERNAL CIRCULATION PUMP, CONDENSING TANKLESS WATER HEATERS WITH BUILT IN CONTROL PANEL. THE HEATER SHALL HAVE AN ENERGY FACTOR OF 0.96. PROVIDE 2" SCHEDULE 40 GAS SUPPLY PIPE WITH A 3' LONG, 3/4" CSST FLEXIBLE GAS LINES TO EACH HEATER WITH ISOLATION VALVES AND 1.50 PSI PRESSURE RELIEF VALVES FOR EACH HEATER. THE HEATER SHALL HAVE 3/4" WATER AND GAS CONNECTIONS. NATURAL GAS INLET SUPPLY PRESSURE SHALL BE 3.5"WC TO 10.5"WC AND HAVE A MAXIMUM BLUH OF 398,000. EACH HEATER SHALL HAVE HIGH TEMPERATURE COMMERCIAL MODE WITH A MAX FLOW OF 11.2 GPM @ 35" RISE. HEATER SHALL USE A STAINLESS STEEL HEAT EXCHANGER WITH QUICK RELEASE BRASS OR BRONZE WATERWAYS, AND THE SECONDARY HEAT EXCHANGER SHALL BE STAINLESS STEEL, AND SHALL INCORPORATE AN INTEGRATED TEMPERATURE CONTROLLER. REQUIRED ACCESSORIES SHALL BE A CONDENSATE NEUTRALIZER KIT, ISOLATION VALVE KIT WITH PRESSURE RELIEF VALVE, AND MULTI-UNIT CONTROLLER. PROVIDE HOT & COLD DRAIN VALVE AND THERMAL EXPANSION TANK. PROVIDE 8 YEAR LIMITED WARRANTY ON HEAT EXCHANGER, 5 YEAR LIMITED WARRANTY ON TANKLESS PARTS.
 WATER HEATER NAVIEN NPE-240S2
 RELIEF VALVE ZURN WILKINS P-1000A
 CONTROLLER NAVIEN
 NEUTRALIZER NAVIEN
- SH-1. SHOWER TRIM WITH SHOWER PAN (HANDICAP):**
 SINGLE HANDLE PRESSURE BALANCING MIXING VALVE, SINGLE HANDLE CONTROLS BOTH ON/OFF ACTIVATION AND TEMPERATURE FLUCTUATIONS, PACKING WITH BRASS ADJUSTABLE LIMIT STOP SCREW TO PROHIBIT VALVE HANDLE FROM BEING TURNED TO EXCESSIVE HOT DISCHARGE TEMPERATURES. ALL TRIM TO BE BRUSHED NICKEL. SERVICE STOPS TO BE BRASS AND CAST INTEGRAL WITH VALVE BODY. 1.75 GPM SHOWER HEAD WITH ARM AND FLANGE. PROVIDE NON-SKID SOLID SURFACE SHOWER RECEPTOR - CUSTOM SIZED, WITH 1/2 GAUGE STAINLESS STEEL GRATE WITH STAINLESS STEEL FASTENERS AND INTEGRAL WATER BARRIER WITH FLANGE. REFER TO ARCHITECTURAL PLANS FOR SIZES. CONFIRM GRATE LOCATION AND FINISHES WITH ARCHITECT PRIOR TO ORDERING.
 SHOWER KOHLER "SIMPLICE" K-TS27392-4G-BN
 DRAIN INPRO PRISM
 SHOWER PAN INPRO PRISM
- RD. ROOF DRAIN:**
 16" DIAMETER HIGH EFFICIENT PERFORMING ROOF DRAIN WITH DURACOATED CAST-IRON BODY WITH COMBINATION MEMBRANE CLAMP/GRAVEL GUARD AND LOW SILHOUETTE POLY-DOME. ROOF DRAIN WITH 6" OUTLET SHALL BE CAPABLE OF FLOWING 400 GPM WITH 2' PONDING HEIGHT.
 ROOF DRAIN ZURN Z100F-6NH FLOFORCE
- EOD. EMERGENCY OVERFLOW ROOF DRAIN:**
 16" DIAMETER HIGH EFFICIENT PERFORMING ROOF DRAIN WITH DURACOATED CAST-IRON BODY WITH COMBINATION MEMBRANE CLAMP/GRAVEL GUARD AND LOW SILHOUETTE POLY-DOME AND 2" HIGH OVERFLOW DAM. ROOF DRAIN WITH 6" OUTLET SHALL BE CAPABLE OF FLOWING 400 GPM WITH 2' PONDING HEIGHT.
 ROOF DRAIN ZURN Z100F-6NH-89 FLOFORCE
- DS. DOWNSPOUT NOZZLE:**
 PROVIDE DOWNSPOUT NOZZLE OF SIZE INDICATED ON DRAWINGS. DOWNSPOUT NOZZLE WITH NICKEL BRONZE BODY, PVC SLIP-ON OR THREADED INLET, AND DECORATED FACE OF WALL FLANGE AND OUTLET NOZZLE. EQUAL PRODUCTS FROM JOSAM, JAY R. SMITH, AND WADE ARE ACCEPTABLE.
 DOWNSPOUT NOZZLE ZURN Z199



100%
**CONSTRUCTION
 DRAWINGS**

DRAWING SEAL:

JAMES J. JOHNSON
 LICENSE
 NO. 86457
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

OKALOOSA COUNTY

**NEW TAX COLLECTOR OFFICE
 BUILDING**

1448 COMMERCE DRIVE
 CRESTVIEW, FLORIDA 32539

NO.	DESCRIPTION	DATE

**PLUMBING
 SPECIFICATIONS**

PROJECT NUMBER **24044**

DATED **2-5-2025**

P-003

Florida CA Number: 73205
 Arch. License #1
 Florida License Number: 86657
 Project Number: 2024-043
 Drawn by: JAG
 Date: 02/05

4632 Citrus Street, Munnakin, Florida 32116
 311 N. College St. Suite 1078 Auburn, AL 36801

SHEET NOTES

- PROVIDE 3" LOW PROFILE VENT TERMINAL KIT EQUAL TO A.O. SMITH 100187888 (IPEX 196986). COORDINATE EXACT LOCATION WITH ARCHITECT, MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AND LOCAL AHJ.
- 3"WASTE STACK VENT - NO OFFSETS ALLOWED. INSTALL EXPOSED TIGHT TO WALL IN MECHANICAL ROOM.

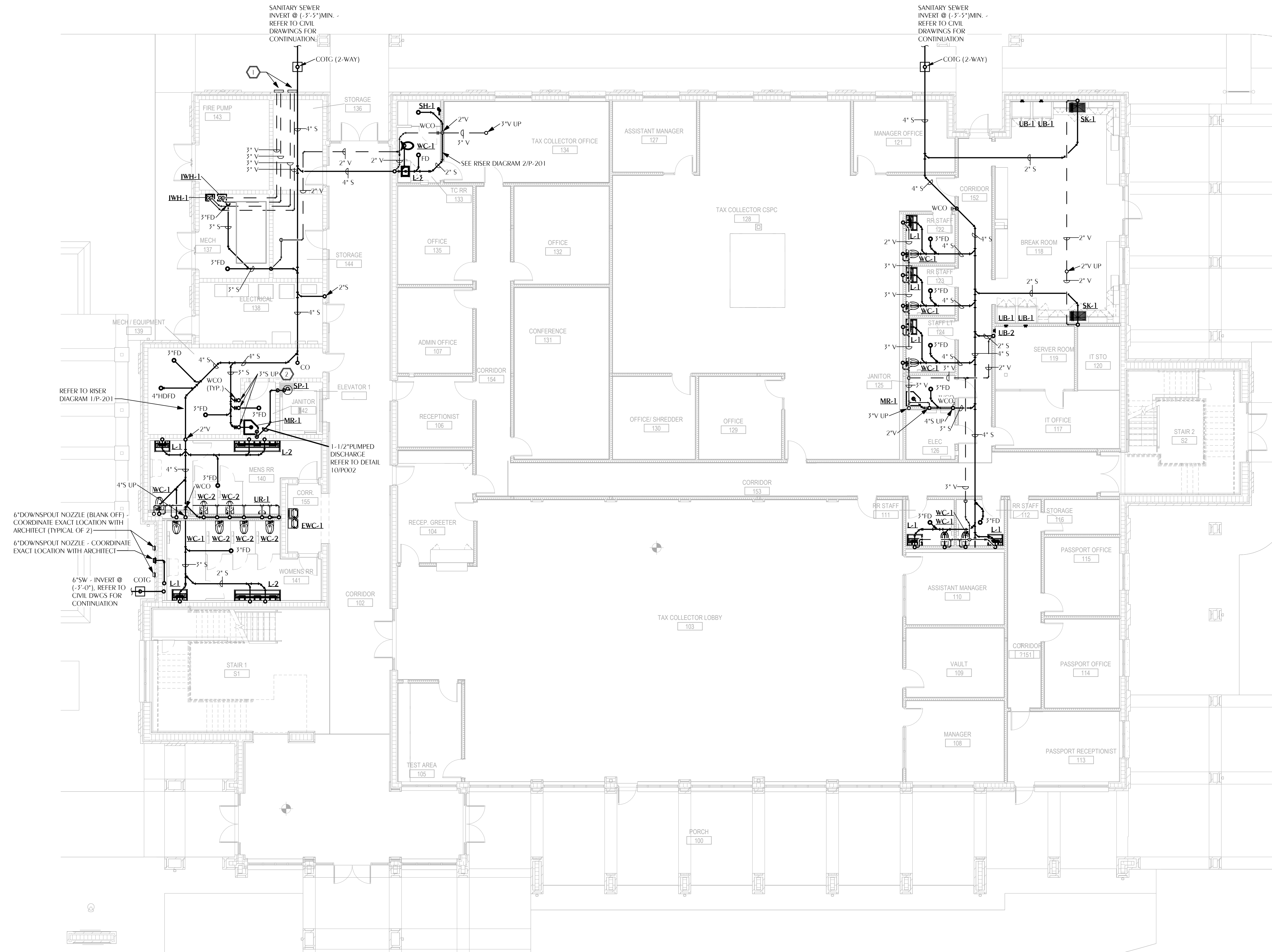
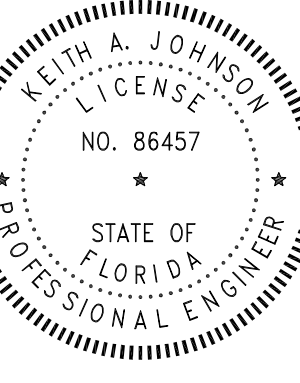
DAG

ARCHITECTS

DAG Architects AR0009694
1223 Airport Road Destin, FL 32541
850.837.8152
www.DAGarchitects.com

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CONSTRUCTION
DRAWINGS

DRAWING SEAL:



6\"/>

6\"/>

6\"/>

6\"/>

REFERENCE:
FINISHED FLOOR ELEVATION = 0'-0"

1 PLUMBING SANITARY LEVEL 01 FLOOR PLAN
SCALE: 1/8" = 1'-0"
PROJECT TRUE NORTH

WATFORD ENGINEERING
Florida License Number: 27825
Keith A. Johnson, P.E.
Florida License Number: 86457
4532 Citrus Street Maresca, Florida 32416
211 N. College St. Office 1318 Auburn, AL 36809
Checked By: 102
Drawn By: 106

OKALOOSA COUNTY
**NEW TAX COLLECTOR OFFICE
BUILDING**
1448 COMMERCE DRIVE
CRESTVIEW, FLORIDA 32539



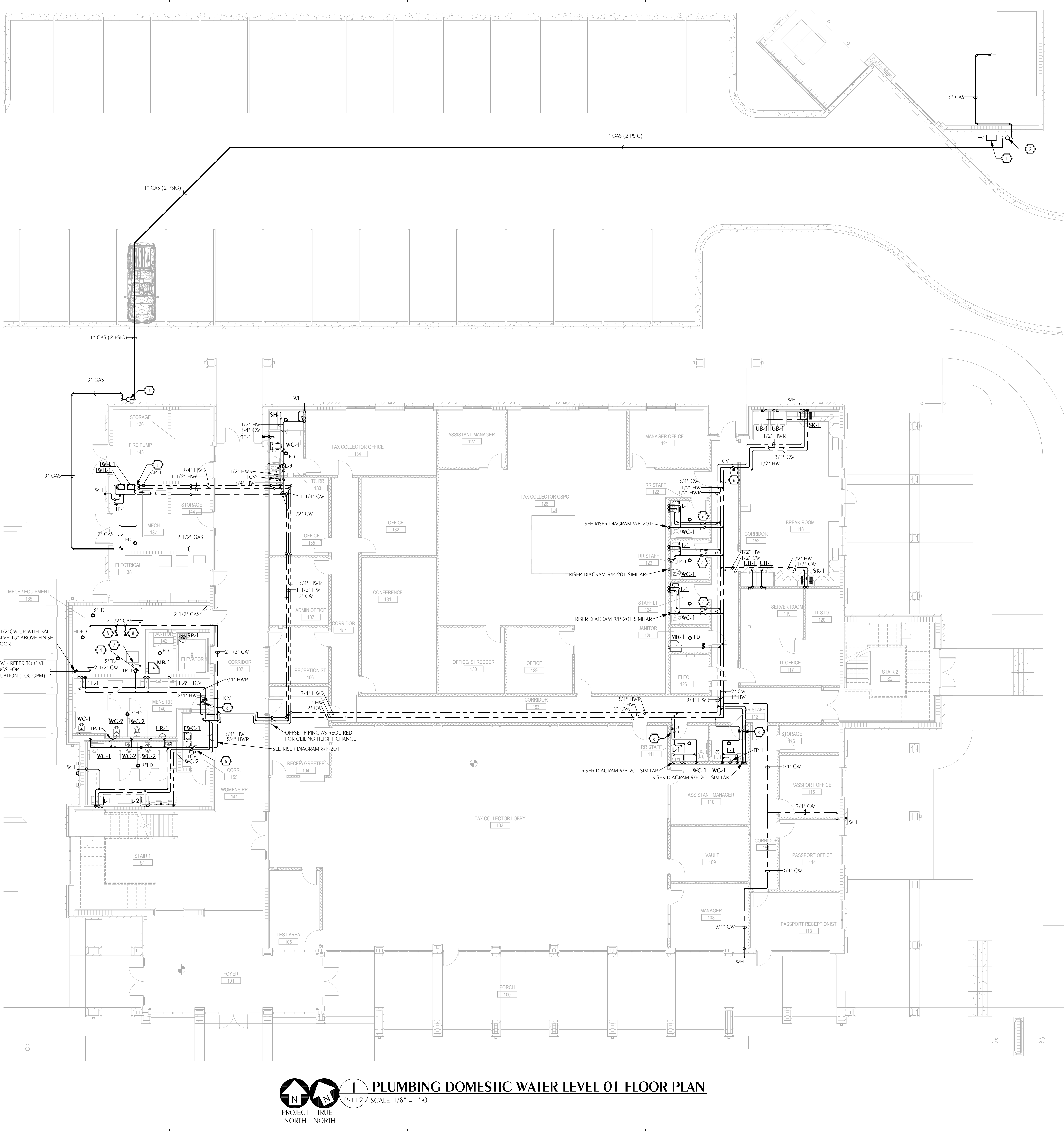
REVISIONS:		
NO.	DESCRIPTION	DATE

PLUMBING SANITARY
LEVEL 01 FLOOR PLAN

PROJECT NUMBER **24044**
DATED **2-5-2025**

2404
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P-112

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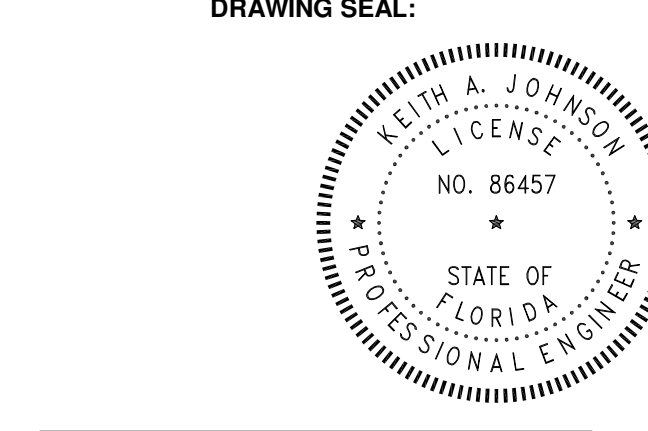
SHEET NOTES

- ① CONTRACTOR SHALL COORDINATE WITH LOCAL GAS AUTHORITY FOR THE INSTALLATION OF A NEW GAS METER AND SERVICE. PAY ALL FEES AND COSTS IF ANY. OUTLET PRESSURE = 2 PSIG, CAPACITY = 7,100 CFH
- ② GAS PRESSURE REGULATOR #1, INLET PRESSURE = 2 PSIG, OUTLET PRESSURE = 8"WC, CAPACITY = 7,100 CFH
- ③ GAS PRESSURE REGULATOR #2, INLET PRESSURE = 2 PSIG, OUTLET PRESSURE = 8"WC, CAPACITY = 1446 CFH
- ④ 2" GAS UP TO WATER HEATERS AT SECOND FLOOR. REFER TO RISER DIAGRAM 12/P-201
- ⑤ 2" GAS DOWN TO WATER HEATERS. REFER TO RISER DIAGRAM 12/P-201
- ⑥ PROVIDE 18"x18" ACCESS PANEL. ACCESS PANEL SHALL BE LOCKABLE WITH WHITE POWDER COAT, NIBLOCK M OR APPROVED EQUAL. ACCESS PANEL AND LOCATION INDICATED SHALL BE CONSIDERED AS AN ALTERNATE BID ITEM. COORDINATE ACCESS PANEL LOCATIONS WITH ARCHITECT. SHOULD BASE BID CEILING BE ACCEPTED, IN LIEU OF ALTERNATE CEILING, VALVES SHALL BE LOCATED IN ADJACENT CORRIDOR ABOVE THE LAY-IN CEILING.
- ⑦ 2" GAS DOWN TO BOILER B-1(M). VERIFY CONNECTION REQUIREMENTS PRIOR TO ROUGH-IN.
- ⑧ 1" CW MAKE-UP - COORDINATE WITH MECHANICAL.

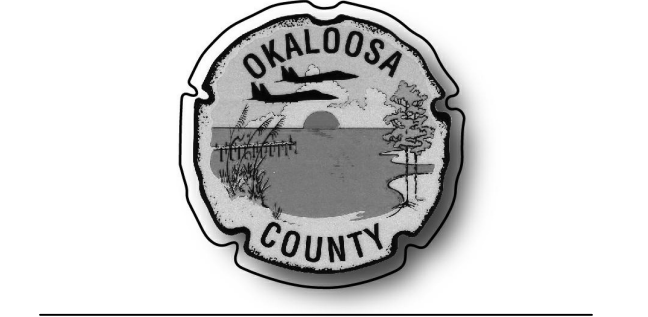


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850.837.8152
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OKALOOSA COUNTY
NEW TAX COLLECTOR OFFICE BUILDING
1448 COMMERCE DRIVE
CRESTVIEW, FLORIDA 32539



REVISIONS:

NO.	DESCRIPTION	DATE

PLUMBING DOMESTIC WATER LEVEL 01 FLOOR PLAN

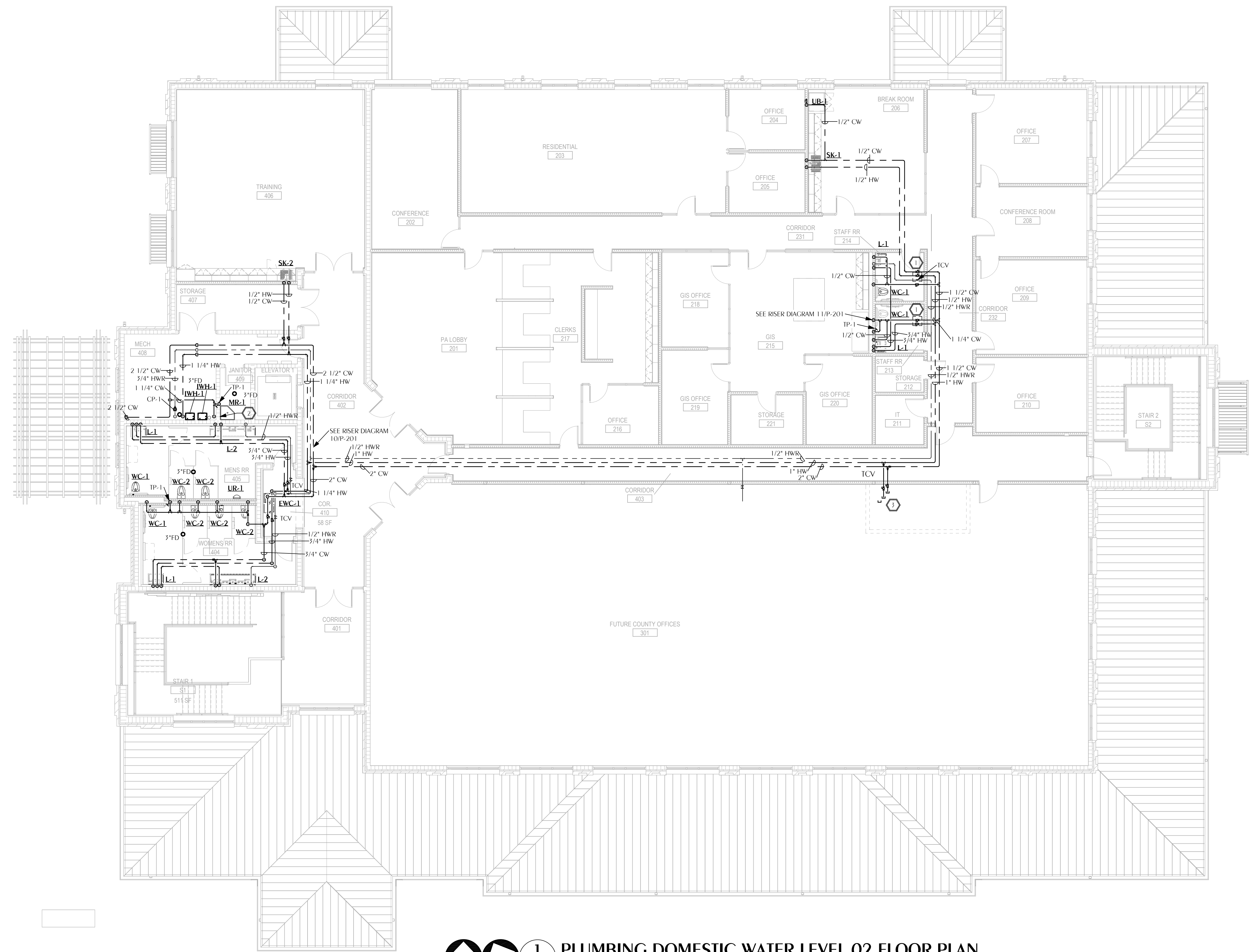
PROJECT NUMBER **24044**
DATED **2-5-2025**

1 PLUMBING DOMESTIC WATER LEVEL 01 FLOOR PLAN
P-112 SCALE: 1/8" = 1'-0"
PROJECT TRUE NORTH NORTH

WATFORD ENGINEERING
Florida CA Number: 37825
Arch. & Interior: FE
Florida License Number: 86657
4632 Citrus Street, Panama, Florida 32416
271 N. College St. Office 1018 Auburn, AL 36809
Checked By: KAG
Drawn By: MBE

SHEET NOTES

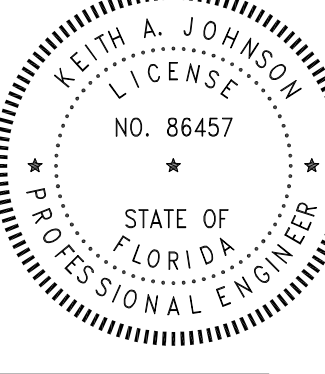
- ① PROVIDE 18"x18" ACCESS PANEL. ACCESS PANEL SHALL BE LOCKABLE WITH WHITE POWDER COAT FINISH. MILCOR M OR APPROVED EQUAL. ACCESS PANEL AND LOCATION INDICATED SHALL BE CONSIDERED AS AN ALTERNATE BID ITEM. COORDINATE ACCESS PANEL LOCATIONS WITH ARCHITECT. SHOULD BASE BID BE ACCEPTED VALVES SHALL BE LOCATED IN ADJACENT CORRIDOR ABOVE THE LAY-IN CEILING.
- ② 2" GAS FROM BELOW - PROVIDE CONNECTIONS TO TWO 1/2" HW-1'S AS REQUIRED.
- ③ STUB OUT AND CAP 1-1/2" CW, 3/4" HW, AND 1/2" HW/R FOR FUTURE.



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CONSTRUCTION
DRAWINGS

DRAWING SEAL:



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NEW TAX COLLECTOR OFFICE
BUILDING

1448 COMMERCE DRIVE
CRESTVIEW, FLORIDA 32539



1 PLUMBING DOMESTIC WATER LEVEL 02 FLOOR PLAN
SCALE: 1/8" = 1'-0"
PROJECT TRUE NORTH NORTH

WATFORD ENGINEERING
Florida CA Number: 37825
Keith A. Johnson, P.E.
Florida License Number: 86457
4532 Citrus Street Marietta, Florida 30146
211 N. College St. Office 1018 Auburn, AL 36809

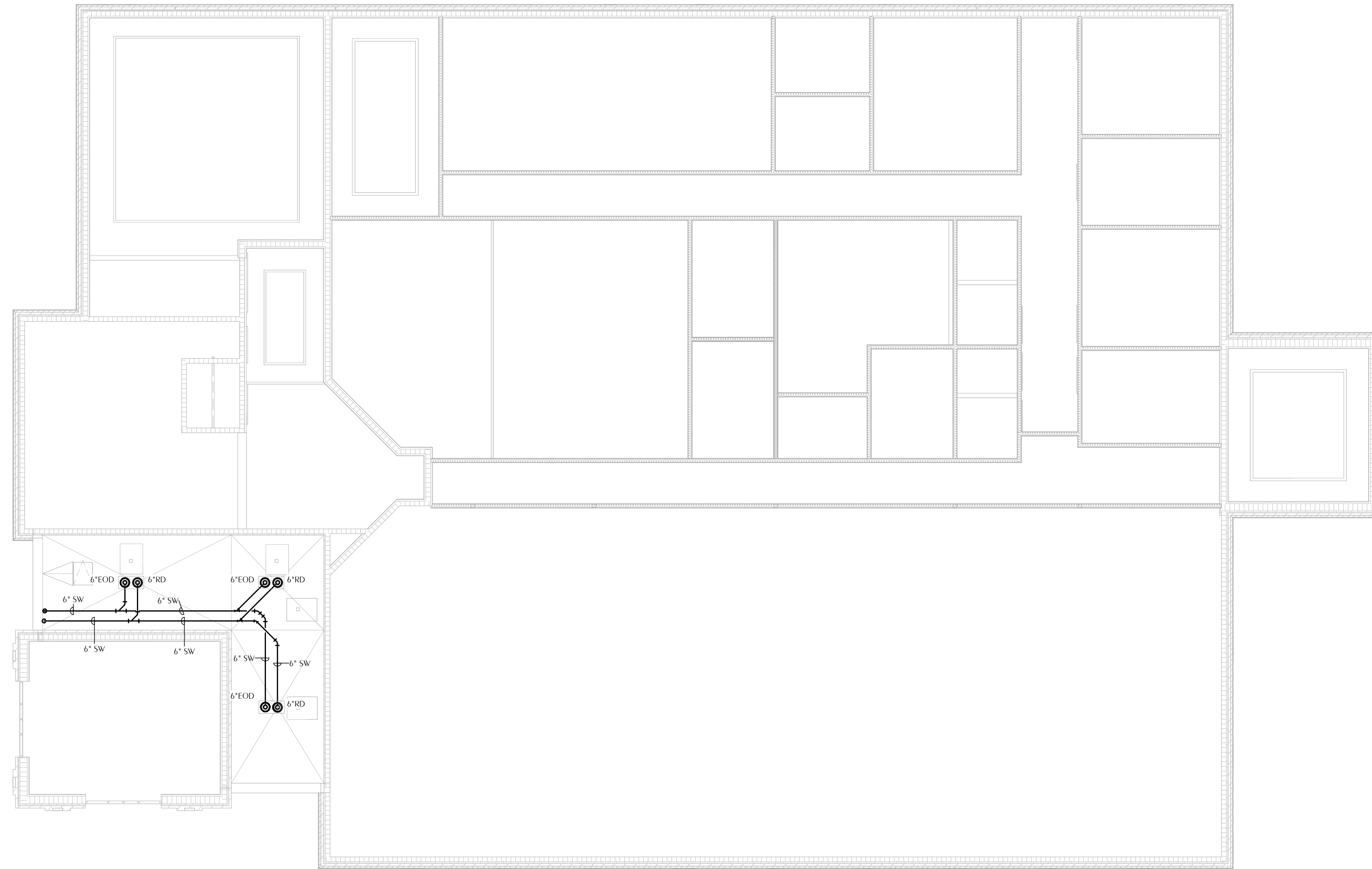
REVISIONS:		
NO.	DESCRIPTION	DATE

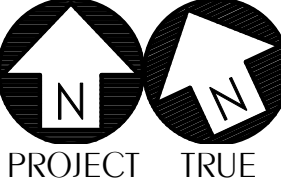
PLUMBING DOMESTIC
WATER LEVEL 02 FLOOR
PLAN

PROJECT NUMBER **24044**
DATED **2-5-2025**

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2044
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1 PLUMBING LOW ROOF PLAN
 P-141 SCALE: 1/8" = 1'-0"


WATFORD ENGINEERING
 4532 Citrus Street, Maitland, Florida 32751
 311 N. College St., Office 1018 Auburn, AL 36809

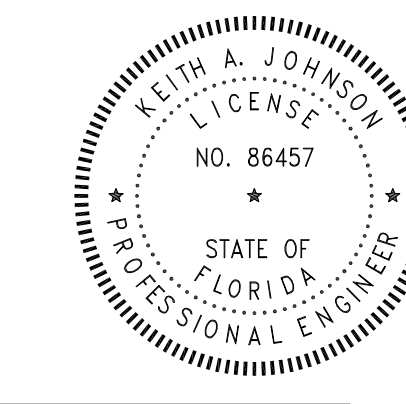
Florida CA Number: 27825
 Keith A. Johnson, P.E.
 Florida License Number: 86657
 802 S.W. 8th
 Project Number: 2024-043
 Checked By: KAJ
 Drawn By: MBE



DAG Architects AR0009694
 1223 Airport Road Destin, FL 32541
 850.837.8152
 www.DAGarchitects.com

100% CONSTRUCTION DRAWINGS

DRAWING SEAL:



OKALOOSA COUNTY
NEW TAX COLLECTOR OFFICE BUILDING
 1448 COMMERCE DRIVE
 CRESTVIEW, FLORIDA 32539



REVISIONS:

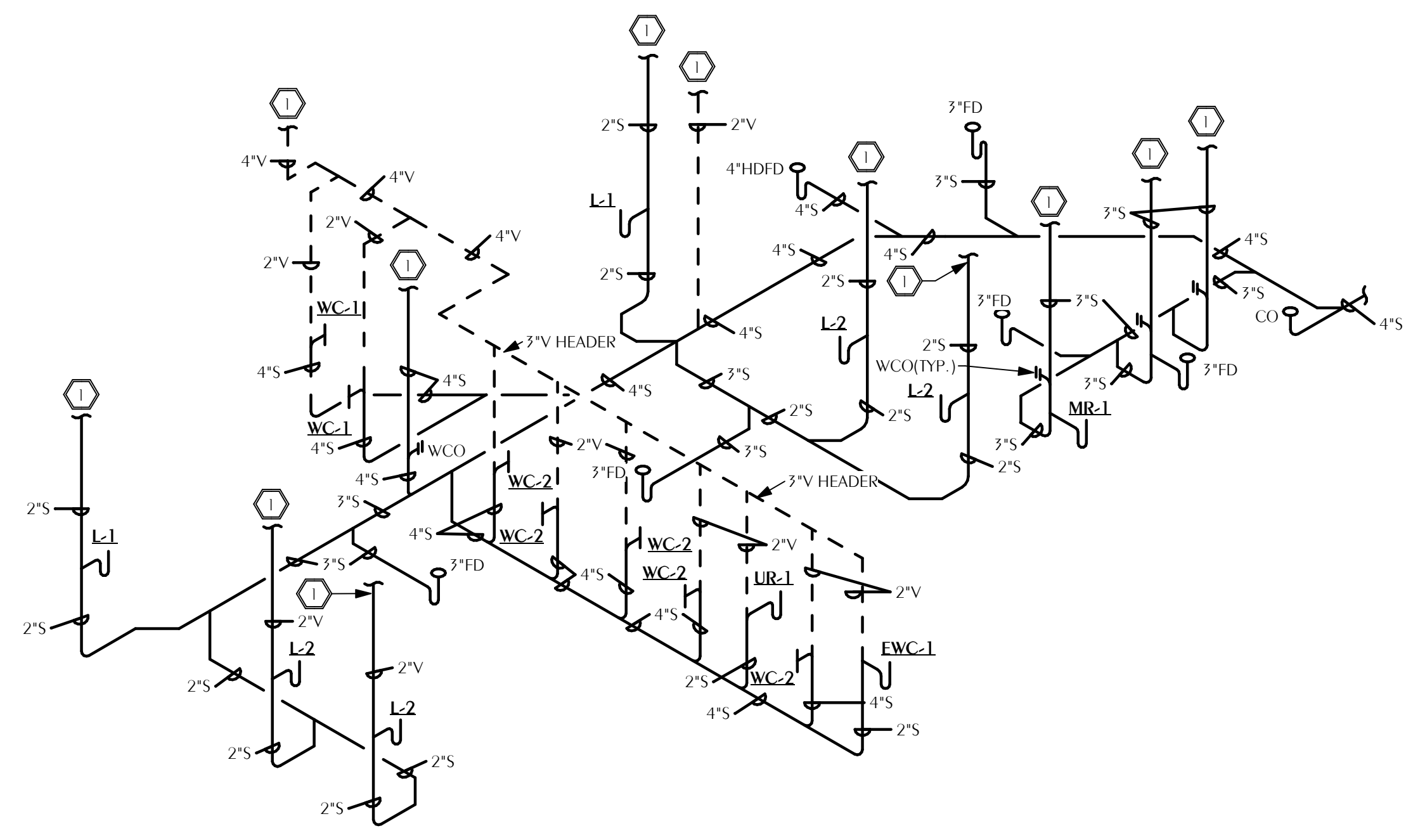
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PLUMBING ROOF PLAN

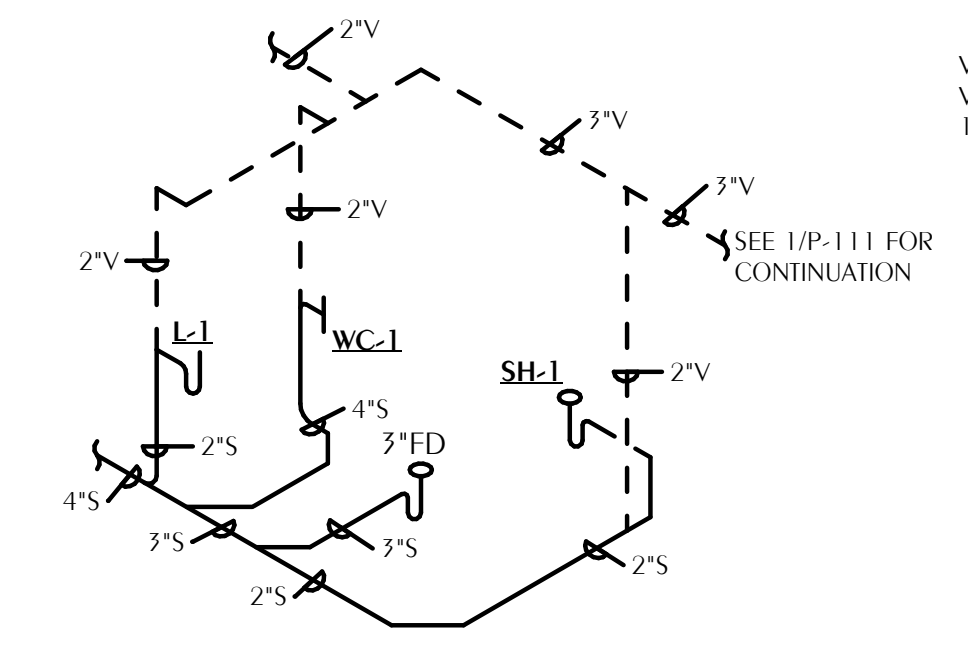
PROJECT NUMBER **2044**
 DATED **2-5-2025**

P-141

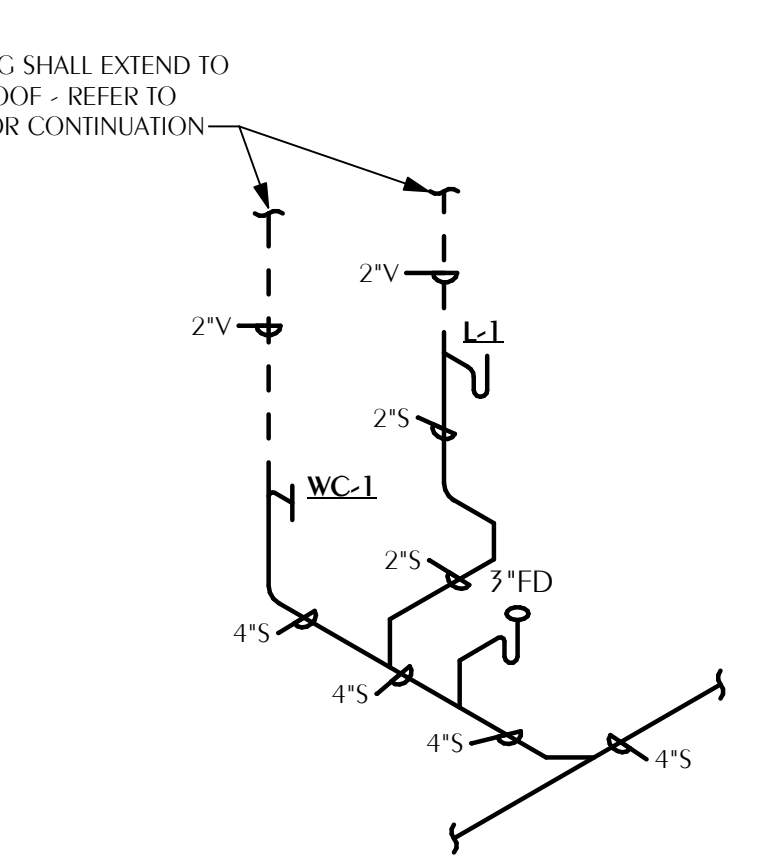
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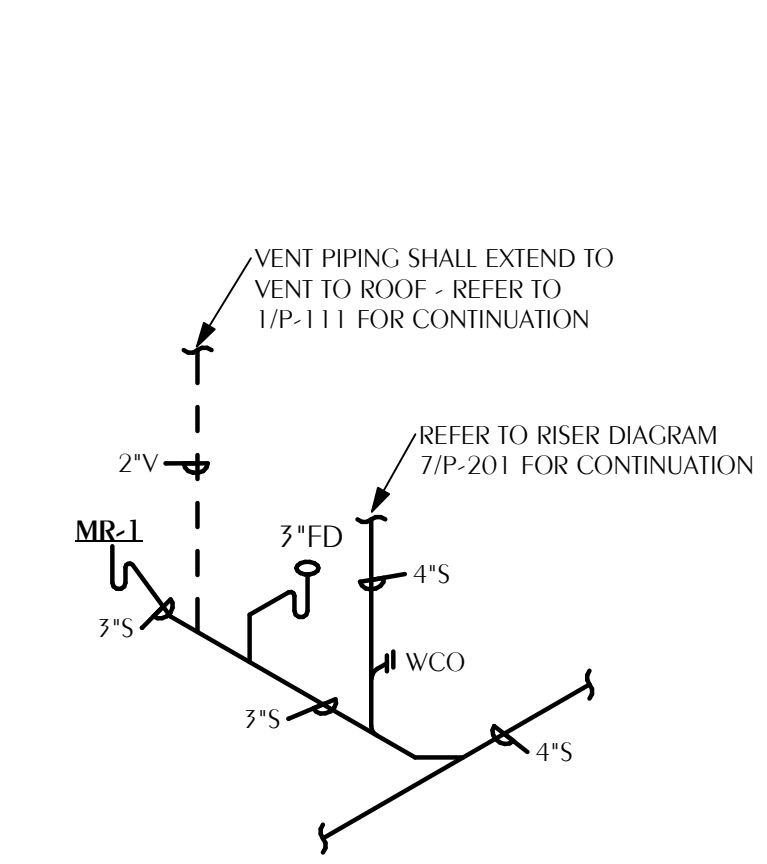
1 SANITARY RISER DIAGRAM
P-201 SCALE: NONE



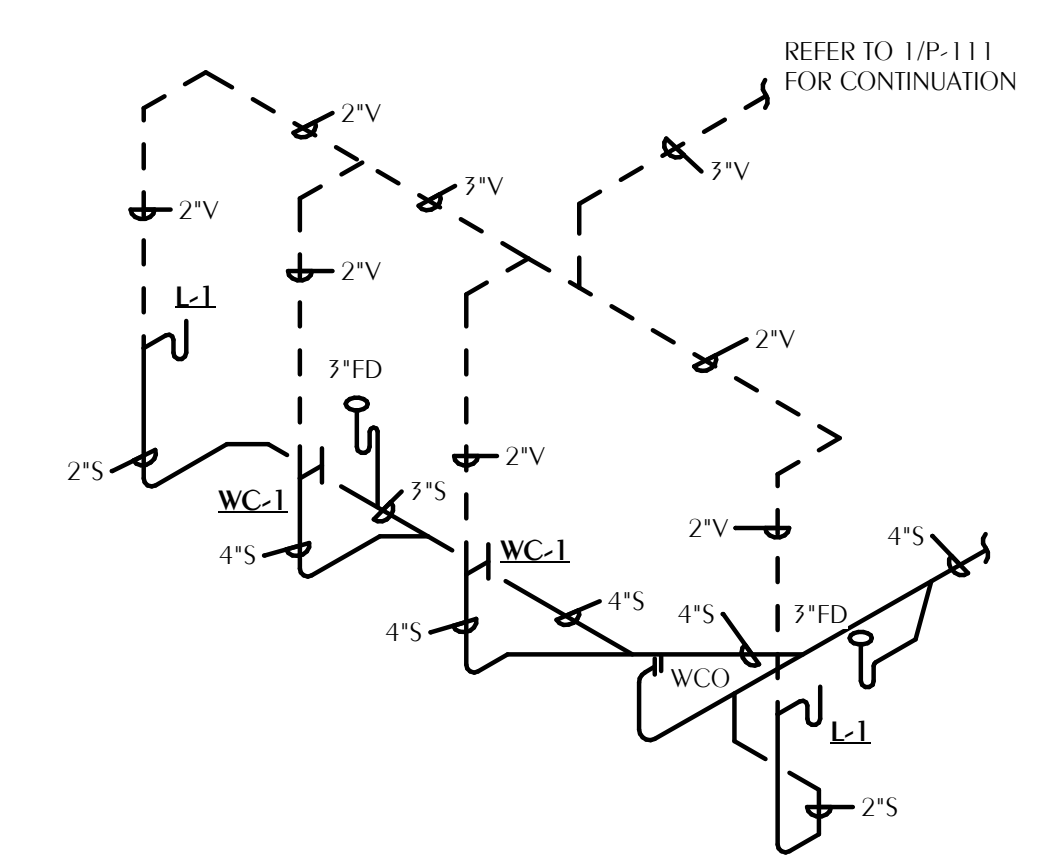
2 SANITARY RISER DIAGRAM
P-201 SCALE: NONE



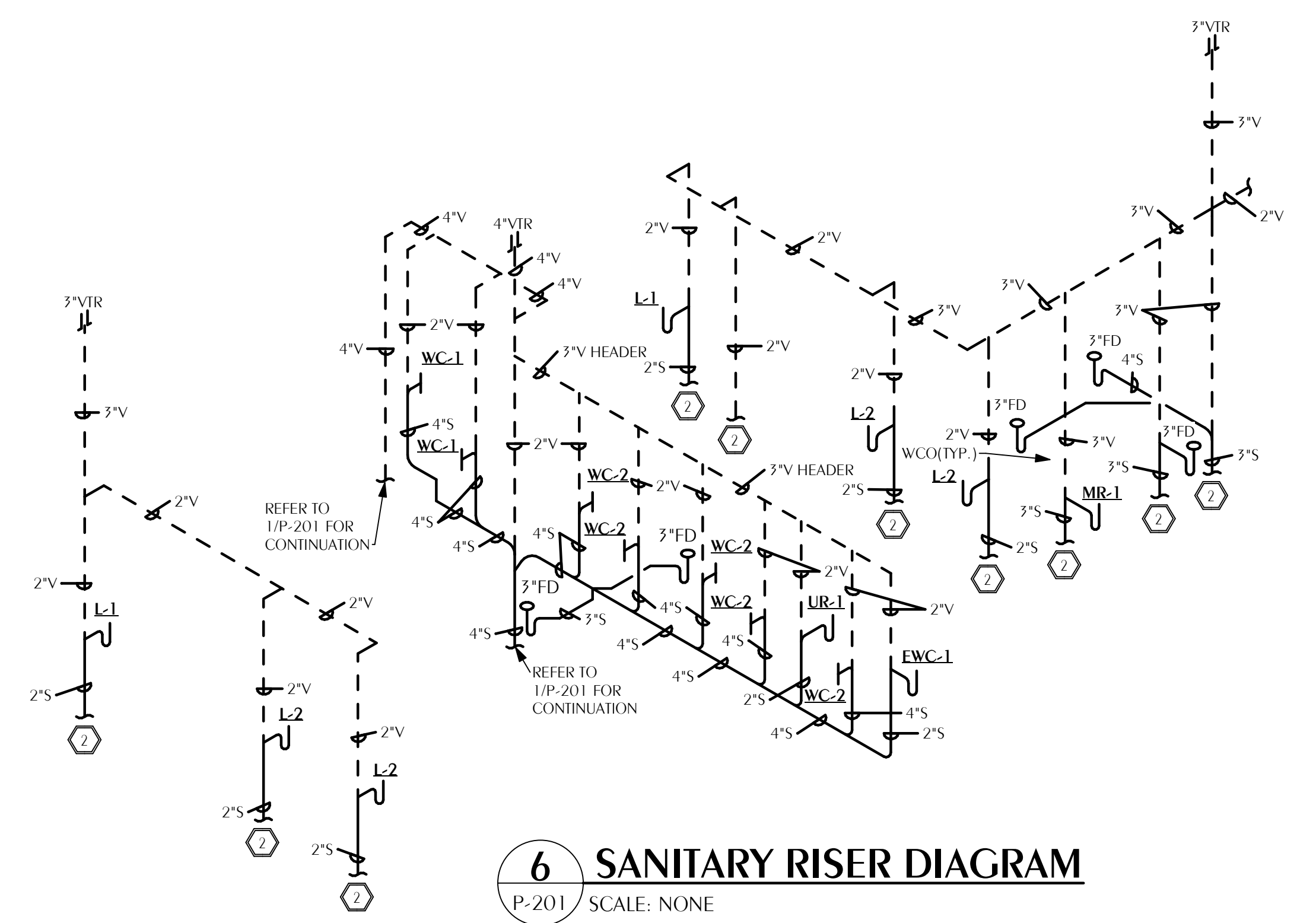
3 SANITARY RISER DIAGRAM
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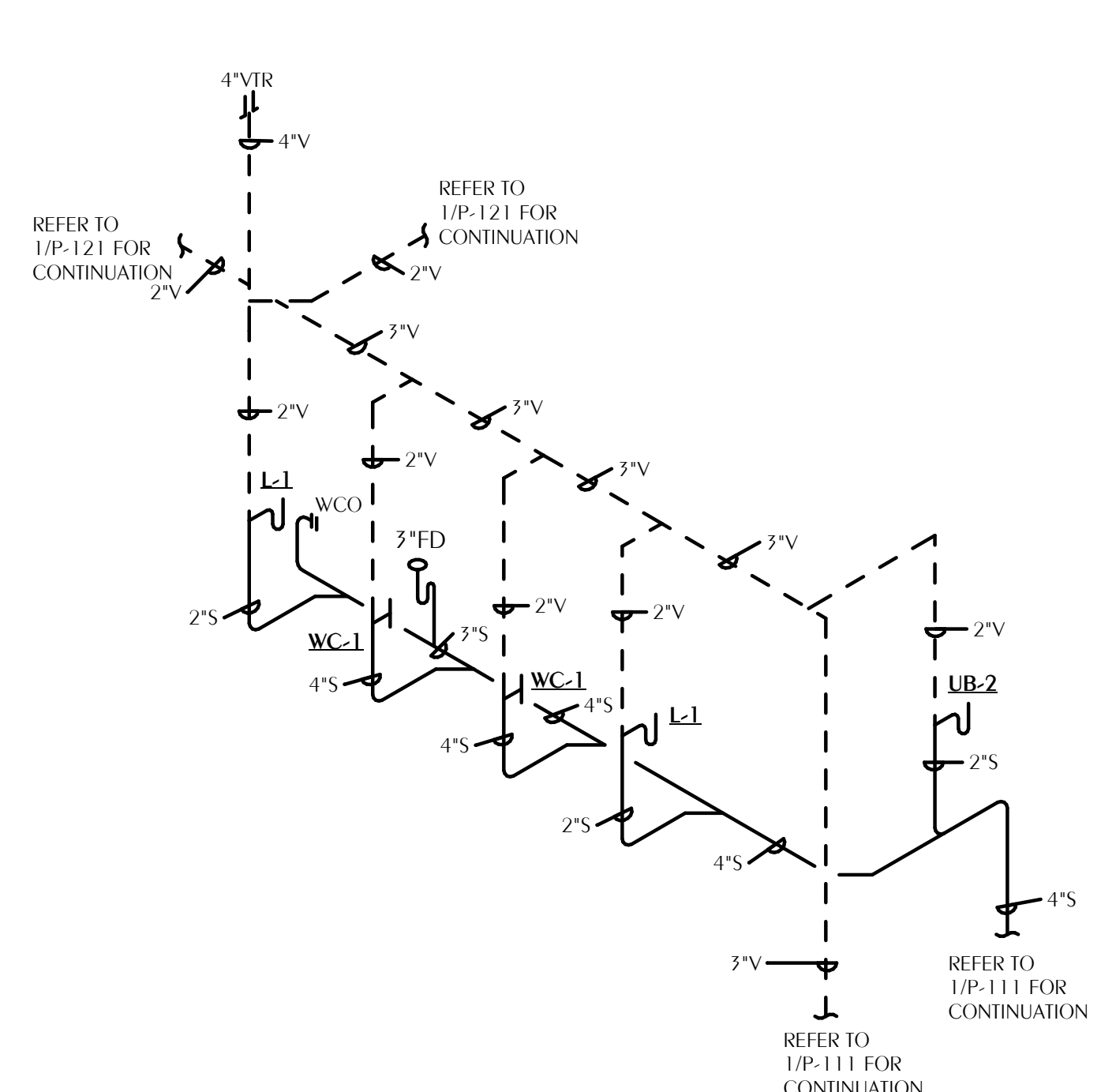
4 SANITARY RISER DIAGRAM
P-201 SCALE: NONE



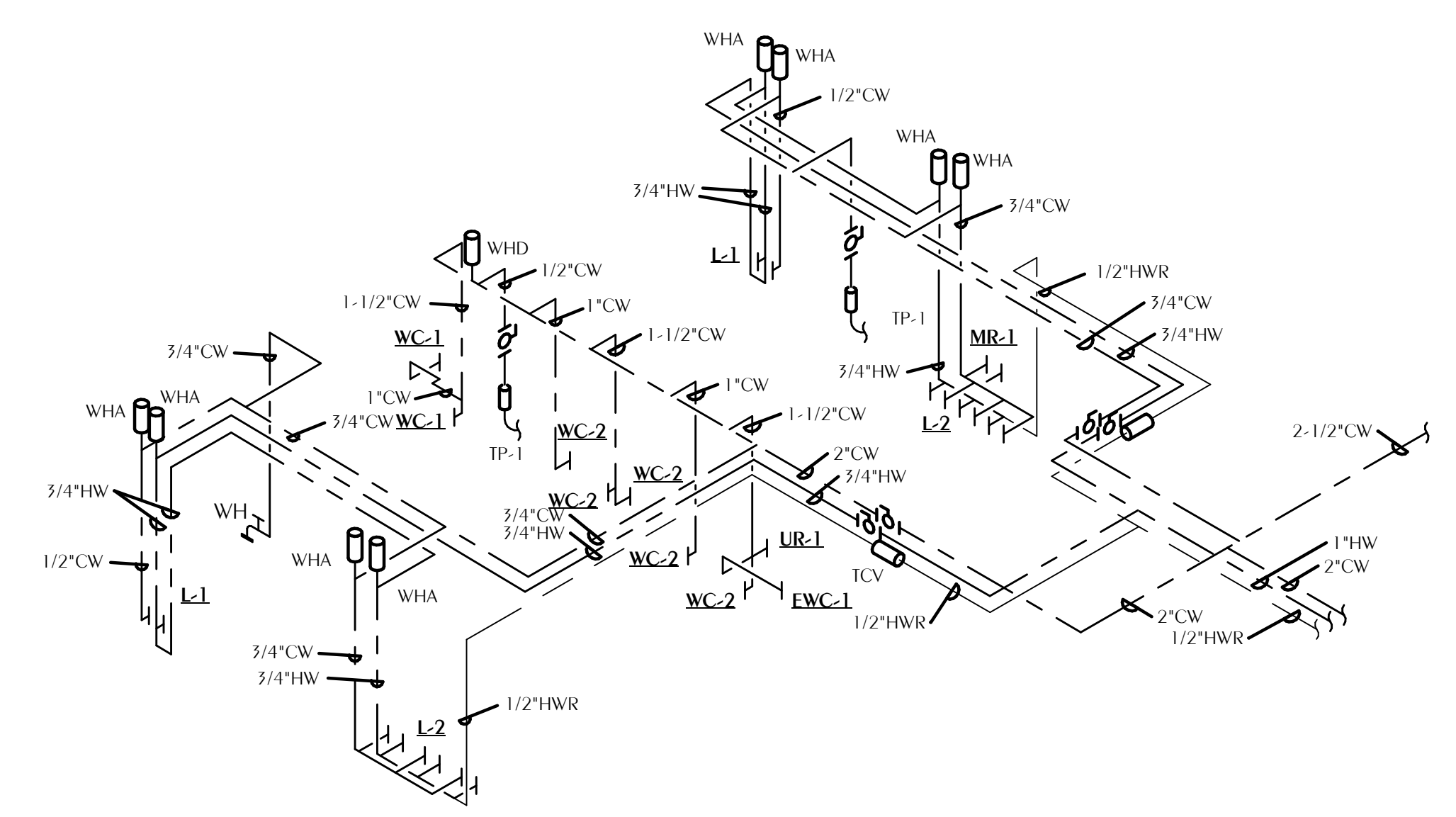
5 SANITARY RISER DIAGRAM
P-201 SCALE: NONE



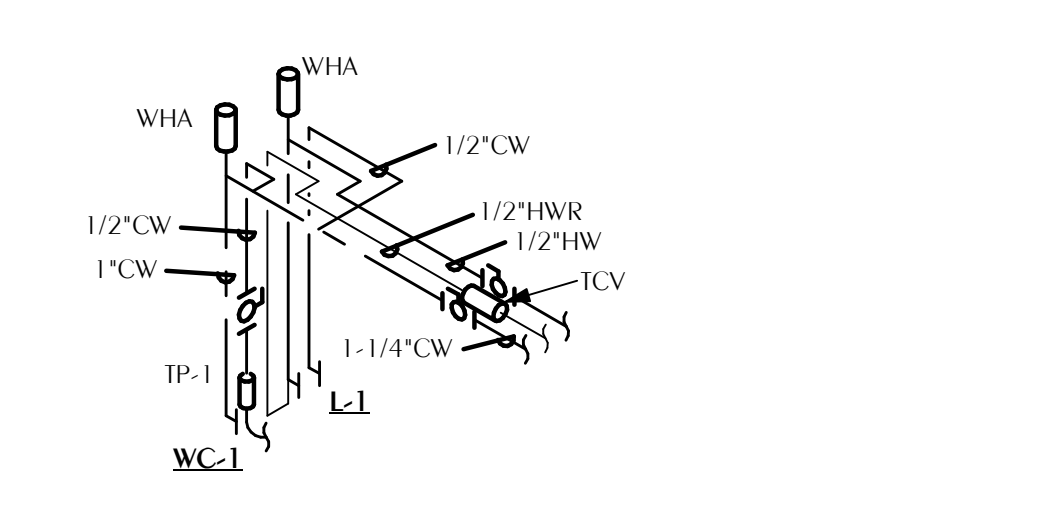
6 SANITARY RISER DIAGRAM
P-201 SCALE: NONE



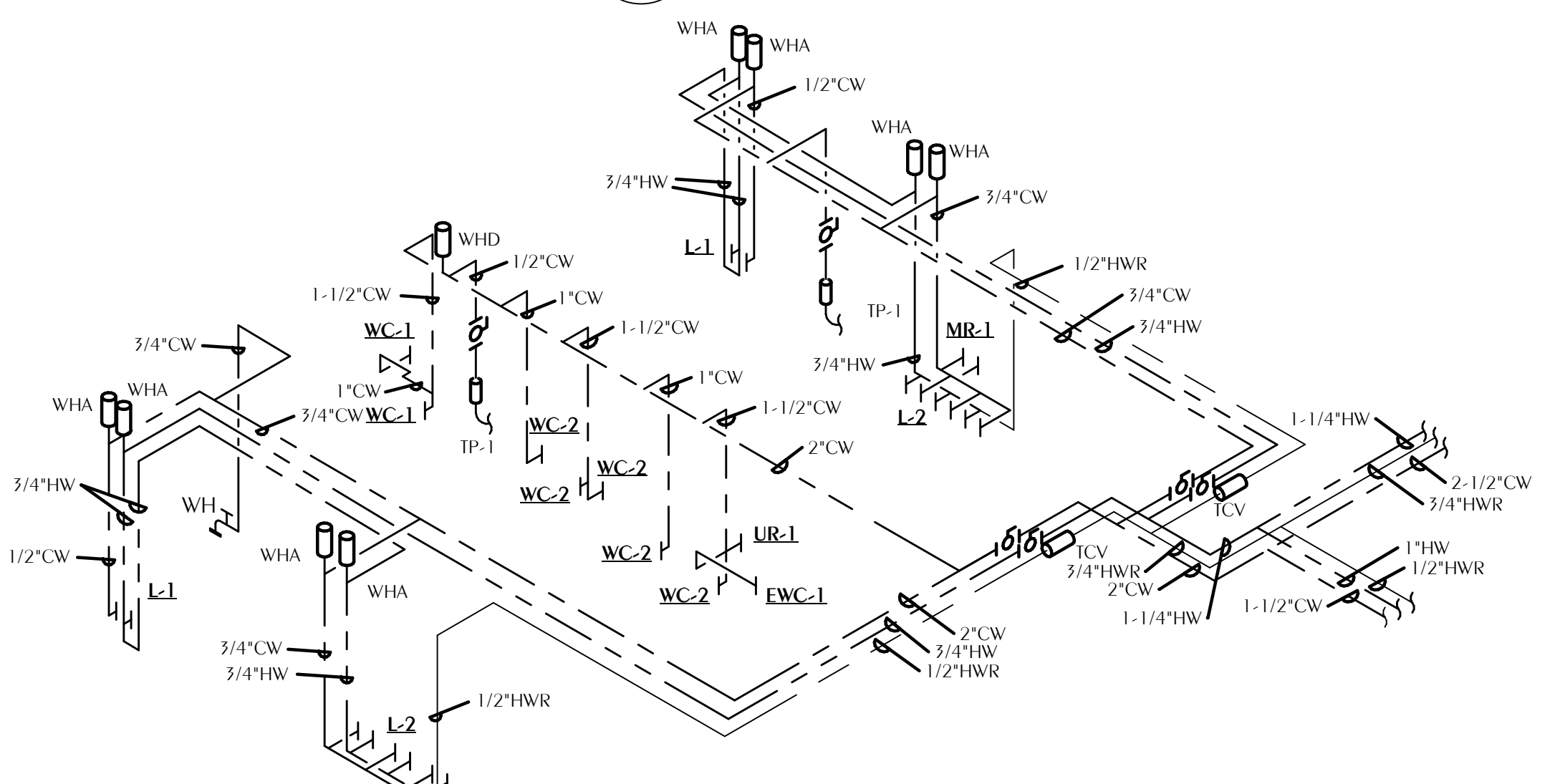
7 SANITARY RISER DIAGRAM
P-201 SCALE: NONE



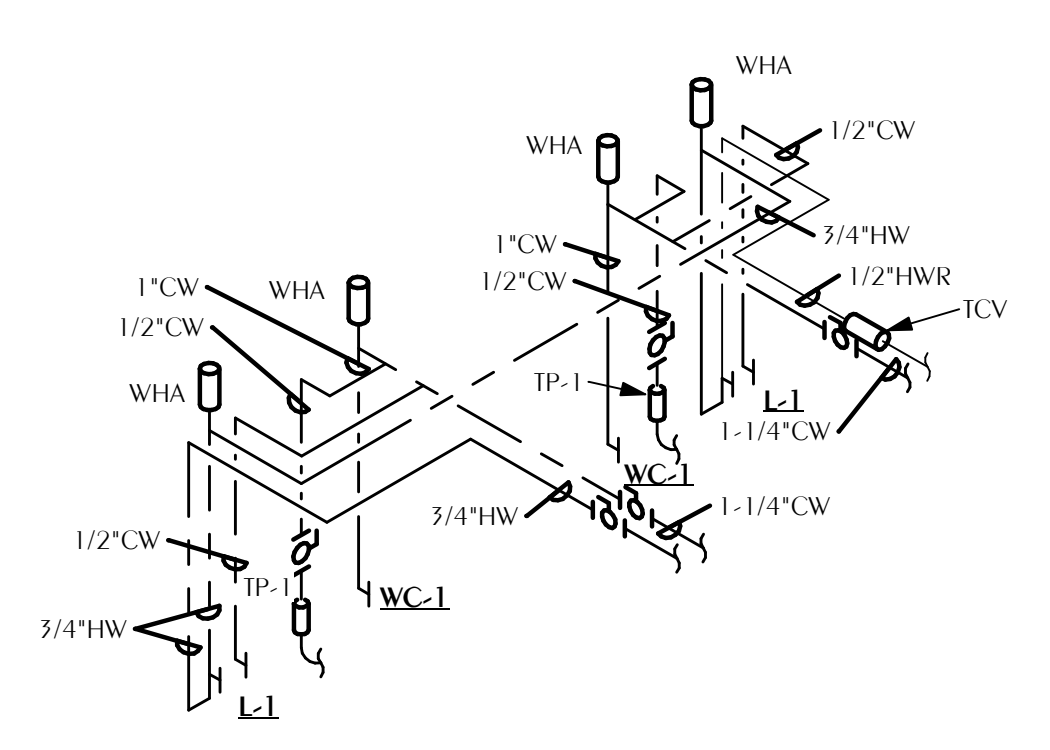
8 DOMESTIC WATER RISER DIAGRAM
P-201 SCALE: NONE



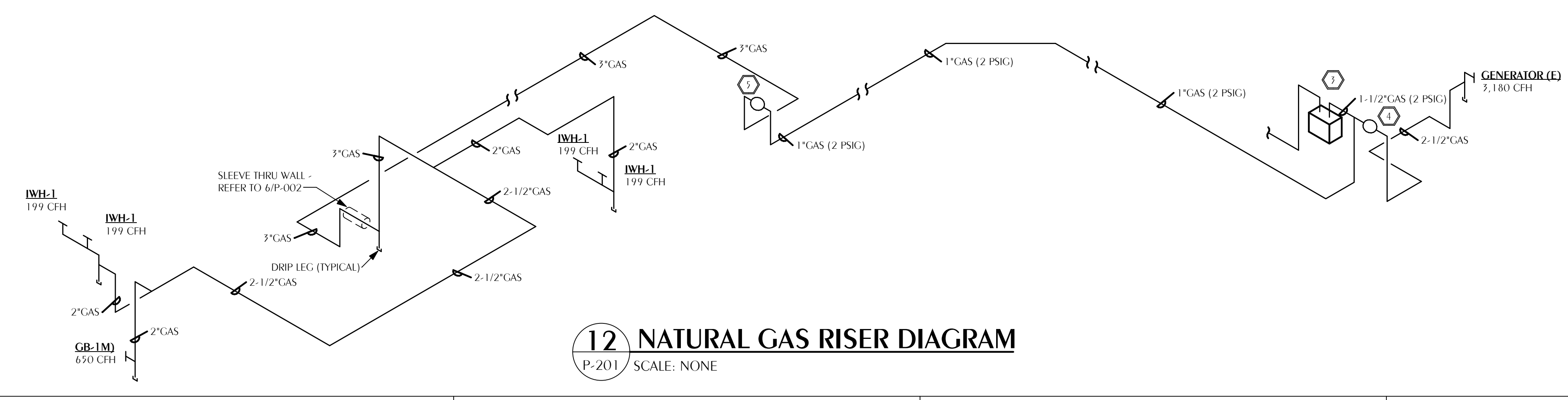
9 DOMESTIC WATER RISER DIAGRAM
P-201 SCALE: NONE



10 DOMESTIC WATER RISER DIAGRAM
P-201 SCALE: NONE



11 DOMESTIC WATER RISER DIAGRAM
P-201 SCALE: NONE



12 NATURAL GAS RISER DIAGRAM
P-201 SCALE: NONE

GAS FIRED EQUIPMENT SCHEDULE

TAG	INPUT (BTUH)	CONNECTION SIZE	INLET PRESSURE RANGE IN. W.C.
WH-1	199,000	3/4"	3.5 - 10.5
GENERATOR(E)	3,180,000	VERIFY	7 - 11
GB-1(M)	650,000	VERIFY	3.5 - 14

- CONFIRM FINAL CONNECTION SIZE AND LOCATION WITH EQUIPMENT SUPPLIER.
- GENERATOR SIZING BASED ON PRELIMINARY SIZING FROM THE ELECTRICAL ENGINEER. CONFIRM EXACT EQUIPMENT CONNECTION AND FLOW REQUIREMENTS PRIOR TO ROUGH-IN.

NOTE:
SIZES BASED ON 2023 FLORIDA BUILDING CODE, FUEL GAS, EIGHTH EDITION, TABLE 402.4(2) SCHEDULE 40 METALLIC PIPE, NATURAL GAS, INLET PRESSURE LESS THAN 2 PSIG, PRESSURE DROP 0.5 IN. W.C., SPECIFIC GRAVITY 0.60.

SHEET NOTES

- PIPING UP TO SECOND FLOOR. REFER TO RISER DIAGRAM 6/P-201 FOR CONTINUATION.
- PIPING DOWN TO FIRST FLOOR. REFER TO RISER DIAGRAM 1/P-201 FOR CONTINUATION.
- CONTRACTOR SHALL COORDINATE WITH THE LOCAL GAS AUTHORITY FOR THE INSTALLATION OF A NEW GAS METER AND SERVICE. PAY ALL FEES AND COSTS IF ANY. OUTLET PRESSURE = 2 PSIG, CAPACITY = 3,976 CFH.
- GAS PRESSURE REGULATOR #1, INLET PRESSURE = 2 PSIG, OUTLET PRESSURE = 8"WC, CAPACITY = 3,180 CFH.
- GAS PRESSURE REGULATOR #2, INLET PRESSURE = 2 PSIG, OUTLET PRESSURE = 8"WC, CAPACITY = 796 CFH.

WATFORD ENGINEERING
 Florida CA Number: 37825
 Keith A. Johnson, P.E.
 Florida License Number: 86657
 4525 Citrus Street, Maitland, Florida 32751
 211 N. College St., Office 1018, Auburn, AL 36809
 Drawn By: KAG

DAG ARCHITECTS
 DAG Architects AR0009694
 1223 Airport Road, Destin, FL 32541
 850.837.8152
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100% CONSTRUCTION DRAWINGS
 DRAWING SEAL:
 KEITH A. JOHNSON
 LICENSE NO. 86657
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

**OKALOOSA COUNTY
 NEW TAX COLLECTOR OFFICE
 BUILDING**
 1448 COMMERCE DRIVE
 CRESTVIEW, FLORIDA 32539

PLUMBING RISER DIAGRAMS
 REVISIONS:

NO.	DESCRIPTION	DATE

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P-201