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TENANT IMPROVEMENT for
**SANTA CLARA COUNTY
 OFFICE OF EDUCATION**



STAMP

REVISIONS	
DATE	DESCRIPTION
09.29.2023	PROGRESS CD SET
10.27.2023	ISSUED FOR PERMIT

DATE	09.29.2023
SCALE	AS SHOWN
PROJECT ID	23044
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PLUMBING NOTES, CODES, SCOPE OF WORK, AND DRAWING INDEX

SHEET TITLE

SHEET NO. **P-0.1**

GENERAL NOTES

- 1. CONTRACTOR SHALL VISIT JOB SITE TO VERIFY FIELD CONDITION AGAINST CONSTRUCTION PLAN AND SPECIFICATION. IDENTIFY POSSIBLE CONFLICT AND DISCREPANCY BETWEEN PLAN AND SITE CONDITION, AND BRING TO OWNERS AND ENGINEERS ATTENTION PRIOR TO ENTER CONTRACT.
- 2. SUBMISSION OF A CONTRACT SHALL BE CONSTRUCTED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTION OF THE EXISTING BUILDING, EQUIPMENT, SYSTEMS, SITE CONSTRAINTS, ETC. WHICH MAY AFFECT THE ASSOCIATED WORK SCOPE UNDER THIS CONTRACT, AND THE ACCESS TO SUCH SPACES, HAVE ALL BEEN MADE AND THAT THE CONTRACTOR IS FULL AWARE OF WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF WORK. LATER CLAIMS SHALL NOT BE MADE FOR LABOR, EQUIPMENT, OR MATERIAL REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN DURING SUCH EXAMINATIONS.
- 3. BY ENTERING CONTACT OF CONSTRUCTION, WHETHER IT IS SHOWN OR NOT SHOWN ON THIS PLAN, CONTRACTOR IS FULLY RESPONSIBLE TO COMPLETE WORK WITH MEETING ALL APPLICABLE CODES, LAWS, AND REGULATIONS GOVERNING ANY PORTION OF THE WORK SCOPE ON PLAN AND SPECIFICATIONS. PRIOR TO SUBMITTING A PROPOSAL, CONTRACTOR SHALL FULLY UNDERSTAND AND COVER ALL COSTS WORK SCOPE AND MATERIALS TO MEET ALL APPLICABLE CODES, LAWS, AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION SHALL BE CORRECTED BY THE CONTRACTOR.
- 4. CONTRACTOR IS TO REVIEW PLANS OF OTHER DISCIPLINES AND COORDINATE WITH THE WORK OF OTHER TRADES PRIOR TO INSTALLATION TO AVOID ANY CONFLICT. NO COST SHALL BE INCURRED ON CONSTRUCTABILITY ISSUE DUE TO LACK OF COORDINATION.
- 5. ALL WORK SHOWN ON PLAN ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEM AND WORK. INFORMATION ON PLAN SHALL NOT BE USED TO DETERMINE EXACT LOCATION OF INSTALLATION. WHERE INSTALLATION REQUIRES EXACT MEASUREMENTS AND COORDINATION WITH WORKS OF OTHER TRADE, CONTRACTOR SHALL PERFORM ALL REQUIRED WORK AND PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. THE CONTRACTOR SHALL ALLOW IN HIS PRICE FOR WORK DONE WITH NEARLY IN LOCATION AND METHOD TO AVOID OBSTRUCTIONS AND CONFLICT OF OTHER TRADES AND EXISTING UTILIZES OF BASE BUILDING.
- 6. CONTRACTOR SHALL SUBMIT SPECIFICATIONS OF ALL THE MATERIALS AND EQUIPMENT TO BE USED ALONG WITH SHOP DRAWING WHERE REQUIRES IN SPECIFICATION FOR APPROVAL PRIOR TO ORDER.
- 7. ALL NEW WORK CONNECTING TO EXISTING BASE BUILDING UTILITIES SHALL BE FULLY COORDINATED WITH REPRESENTATIVE OF OWNERSHIP TO RESULT MINIMUM INTERFERENCE TO EXISTING FACILITIES. TEMPORARY UTILITY SHUT-DOWN TO EXISTING BUILDING SERVICE SHALL BE APPROVED BY OWNERSHIP WITH WRITTEN CONSENT OF BUILDING OWNER AND SHALL INCURRED NO ADDITIONAL CHARGES. FOLLOW ALL REQUIRED CLEANING PROCEDURES AND CONNECTION REQUIREMENT PRIOR TO ESTABLISH SERVICE AFTER CONNECTION. WHERE CONTINUOUS OPERATION OF EXISTING BUILDING SERVICES ARE REQUIRED, PROVIDE WORKMANSHIP AND MATERIAL FOR ISOLATION BETWEEN BUILDING AND PROJECT SPACE. RESTORE BUILDING SERVICE IMMEDIATELY WITH MAINTAINING ORIGINAL OPERATING CONDITION.
- 8. CONTRACTOR SHALL STORE ALL EQUIPMENT AND MATERIAL IN A ORGANIZED AND CLEANED SPACE AT ALL TIME TO PREVENT FROM DAMAGING AND DETERIORATION PRIOR TO INSTALLATION. CONTRACTOR SHALL KEEP ALL PART OF THE CONSTRUCTION AREA AND ASSOCIATED ACCESSES CLEAN AND FREE OF DEBRIS RESULTING FROM EXECUTION OF WORK.
- 9. ALL LOCATION OF EXISTING UTILITIES ARE SHOWN BASED ON RECORD DRAWING OR INFORMATION PROVIDED BY SURVEYOR OR BASE BUILDING. CONTRACTOR IS RESPONSIBLE TO VERIFY EXACT LOCATION, SIZE, CONDITION, MATERIAL, AND INVERT AS APPLICABLE TO CONFIRM CONSTRUCTABILITY PRIOR TO INSTALL.
- 10. ALL EQUIPMENT INSTALLED SHALL BE PROVIDED WITH ACCESS AND CLEARANCES MEETING CODE REQUIREMENT AND REQUIREMENTS OF FACTORY INSTALLATION GUIDELINES FOR MAINTENANCE. WHERE ACCESS SHALL BE PROVIDED FOR OPERATION, INSPECTION, TESTING, BALANCING, MAINTENANCE, OR CODE COMPLIANCE, WHETHER SHOWN ON NOT SHOWN ON ARCHITECTURAL PLAN, CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR PROVISION OF SUCH ACCESS.
- 11. ANY INVASIVE CONSTRUCTION, SUCH AS CORE-DRILLING, CUTTING, BORING, OPENING, TO EXISTING BUILDING FLOOR OR WALL, STRUCTURAL OR NON-STRUCTURAL RELATED, SHALL BE SUBJECTED TO WRITTEN APPROVAL BY REPRESENTATIVE OR OWNERSHIP OF BASE BUILDING, WHERE REQUIRED BY OWNER, PROVIDE SHOP DRAWING WITH DETAILED MEANS AND METHODS WITH DIMENSIONAL RESULTS OF X-RAY SCANNING AS EVIDENCE TO ENSURE NO DAMAGE WILL CAUSE TO EXISTING BUILDING STRUCTURE OR UTILITY PRIOR TO PERFORM SUCH WORK. NO CONSTRUCTION SHALL BE DONE IN RESULTING OF ANY DAMAGING OR DERATING OF BUILDING STRUCTURE INTEGRITY AND UTILITY SERVICEABILITY.
- 12. ANY OPENING MADE TO EXISTING BUILDING SHALL BE SUPPORTED, PATCHED, AND SEALED TO MEET ALL SPECIFICATION OF ORIGINAL CONSTRUCTION. ALL PENETRATION TO RATED ASSEMBLY SHALL BE PROTECTED BY UL LISTED FIRM AND/OR SMOKE PROTECTION ASSEMBLY TO MAINTAIN ORIGINAL ASSEMBLY FIRE AND SMOKE RATING.
- 13. CONTRACTOR SHALL PROVIDE INSURANCE POLICY IN ACCORDANCE TO BUILDING OWNERS AND PROJECT OWNERS REQUIREMENTS INCLUDING A HOLD HARMLESS CAUSE FOR OWNER AND ENGINEER ON RECORD.
- 14. FOR THE USE OF EQUIPMENT OR MATERIAL THAT ARE DIFFERENT FROM SCHEDULES OR SPECIFICATIONS, CONTRACTOR IS RESPONSIBLE TO PROVIDE, INCLUDING BUT NOT LIMITED TO, SPECIFICATION, CALCULATION, ENGINEERING, COST DIFFERENCE, ETC. FOR APPROVAL OF EQUAL AND OWNERS APPROVAL.
- 15. ALL WORK DONE SHALL BE GUARANTEED FOR A PERIOD OF TWO YEARS FROM DATE OF ACCEPTANCE OF WORK.
- 16. PRIOR TO FINAL ACCEPTANCE BY OWNER OR REPRESENTATIVE OF OWNER, CONTRACTOR IS RESPONSIBLE TO TEST, ADJUST, AND BALANCE ALL ASSOCIATED EQUIPMENT AND SYSTEM WITHIN SCOPE WITH PROVISIONS OF REPORTS WHERE REQUIRED IN SPECIFICATIONS TO DEMONSTRATE THAT ALL REQUIREMENTS OF PLANS AND SPECIFICATIONS ARE FULLY MET AND ALL APPLICABLE CODES, LAWS, AND REGULATIONS ARE FULLY COMPLIED.

PLUMBING GENERAL NOTES

- 1. PROVIDE ISOLATED COUPLINGS AND/OR UNIONS AT POINTS OF CONNECTION BETWEEN COPPER, STEEL AND BRASS PIPING.
- 2. ALL WATER PIPING SYSTEMS AND DRAINAGE PIPING SYSTEMS, INCLUDING SUPPLY, WASTE AND DRAIN SHALL BE INSTALLED WITH VIBRATION ISOLATORS AND SHALL BE ISOLATED FROM ANY STRUCTURAL MEMBERS, WALL SECTIONS OR OTHER MATERIALS THAT COULD TRANSMIT SOUND TO THE OCCUPIED AREAS. ALL HANGERS, STRAPS, BRACKETS, AND SUPPORTS SHALL HAVE ACOUSTICAL COMPONENTS OR COMBINED NEOPRENE AND PLASTIC FOAM BY TECH SPECIALTIES, DIVISION OF SPECIALTY PRODUCTS CO. TO ISOLATE COMPLETE PIPE CONTACT AREA. ALL ISOLATION MATERIAL SHALL HAVE A MINIMUM THICKNESS OF 1/2". INSTALL ALL COMPONENTS AS PER MANUFACTURERS INSTRUCTIONS.
- 3. INSTALL ALL CLEAN-OUTS WHERE REQUIRED BY ORDINANCES, AT ENDS OF HOUSE DRAINS, AT ALL CHANGES IN DIRECTIONS, IN ALL STRAIGHT RUNS AT 100 FOOT INTERVALS, WHERE HORIZONTAL MAINS CHANGE SIZE, AND AT ALL ENDS OF ALL BRANCH PIPES WHICH ARE 5' OR OVER IN LENGTH.
- 4. PLUMBING FIXTURES SHALL BE COMPLETED WITH ALL ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.
- 5. SELECTION OF FAUCETS AND FITTINGS SHALL AVOID THE TYPE WITH POTENTIAL FOR LEAD CONTAMINATION.
- 6. INSTALL STOP VALVES ON HOT AND COLD WATER SUPPLIES TO EACH FIXTURE.
- 7. ALL FLOOR DRAIN MUST HAVE 1/2" COLD WATER LINE CONNECTED TO TRAP PRIMER. ALL UNDERGROUND COLD WATER LINE SHALL BE ASTM TYPE-K HARD DRAWN COOPER INSTALLED WITH CONTINUOUS SLOPE TOWARD FLOOR DRAIN.
- 8. MATERIALS, METHODS AND LOCATIONS OF SERVICE MAINS CONNECTING THE NEW CONSTRUCTION TO ALL NEW AND EXISTING SERVICES SHALL BE IN STRICT ACCORDANCE WITH RULES, REGULATIONS, CODES AND REQUIREMENTS OF ALL AGENCIES HAVING JURISDICTION OVER THIS INSTALLATION. LOCATE ALL EXISTING STUBS TO BE CONNECTED TO IN THIS CONTRACT BEFORE WORK IS STARTED. COORDINATE LOCATION OF WATER AND SEWER CONNECTIONS WITH BUILDING ENGINEER.
- 9. CAULK AIRTIGHT ALL PLUMBING PENETRATIONS IN SOUND RATED WALLS AND FLOOR/CEILINGS. SEAL PENETRATIONS OF CONCRETE FLOORS WITH CEMENT GROUT. MINIMIZE PENETRATIONS THROUGH SOUND RATED CONSTRUCTION.

PLUMBING GENERAL NOTES

- 10. CONTRACTOR SHALL INSTALL ALL PLUMBING FIXTURES AND TRIM AS SHOWN ON THE ARCHITECTURAL PLANS. ROUGH-IN FOR ALL FIXTURES SHALL BE EXACTLY TO MEASUREMENTS FURNISHED BY FIXTURE MANUFACTURER. ALL EXPOSED PARTS TO BE CHROMIUM PLATED UNLESS SPECIFIED OTHERWISE.
- 11. KEEP ROUGH-IN CUTS WITHIN THE PLATE LINES AND DO NOT CUT COMPLETELY THROUGH PLATES IN SOUND-RATED WALLS. DRILL OR SAW NEAT ROUND HOLES FOR ALL PIPING. SIZE APPROXIMATELY 1/2 INCH LARGER THAN THE PIPE DIAMETER.
- 12. PIPE LINES SHALL BE INSTALLED FREE FROM TRAPS AND AIR POCKETS AND TRUE TO LINE AND GRADE WITH SUITABLE SUPPORTS PROPERLY SPACED. PIPING SHALL BE INSTALLED WITHOUT UNDUE STRESSES AND WITH PROVISION FOR EXPANSION AND CONTRACTIONS.
- 13. HORIZONTAL LINES SHALL HAVE HANGERS OR SUPPORTS SPACED AS FOLLOWS:
 A. CAST IRON PIPE - 5' CENTERS
 B. STEEL PIPE - 10' CENTERS
 C. COOPER TUBING - 5' CENTERS FOR 1-1/2" AND SMALLER, 10' CENTERS FOR 2" AND LARGER
- 14. PIPING SHALL BE NEW AND FREE FROM FOREIGN SUBSTANCES. REAM OUT ALL BURRS FORMED IN CUTTING PIPE. THREADS SHALL BE CUT ACCURATELY AND NOT OVER TWO THREADS SHALL SHOW BEYOND THE FITTING. FRICTION WRENCHES SHALL BE USED WITH PLATED POLISHED, OR SOFT METAL PIPING.
- 15. CHANGES IN PIPE SIZE SHALL BE MADE WITH REDUCING FITTINGS, AND BUSHING WILL NOT BE PERMITTED.
- 16. UNION CONNECTION SHALL BE INSTALLED DOWNSTREAM OF ALL VALVES, AT ALL EQUIPMENT CONNECTIONS AND AT OTHER POINTS AS REQUIRED.
- 17. CUTTING OR BORING OF HOLES THROUGH STRUCTURAL MEMBERS SHALL BE DONE ONLY WHEN IT IS IMPOSSIBLE TO ROUTE PIPING IN ANOTHER MANNER. IF CUTTING OR BORING IS NECESSARY IT SHALL BE ACCOMPLISHED ONLY BY WRITTEN APPROVAL FROM THE ARCHITECT, STRUCTURAL AND BUILDING ENGINEER, AND ALSO INCLUDED IN HIS BIDS. WORK SHALL COMPLY WITH CBC SECTIONS 2320A.8.3 AND 2320A.11.10.
- 18. DO NOT ALLOW THE PIPING, VALVES OR CONNECTORS TO FORM A RIGID CONNECTION WITH THE STRUCTURE OR OTHER PIPES. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE, JOINTS OR CONNECTED EQUIPMENT.
- 19. PROVIDE SIOUX CHIEF WATER HAMMER ARRESTER FOR EACH PLUMBING FIXTURE BANK AND 18" HIGH AIR CHAMBER FOR EACH PLUMBING FIXTURE. SIZE OF WATER HAMMER ARRESTER SHALL BE SUFFICIENT TO HANDLE THE REQUIRED FIXTURE UNIT AT EACH BANK.
- 20. THE DOMESTIC WATER SUPPLY AND DISTRIBUTION SYSTEM WITHIN THE AREA OF WORK SHALL BE STERILIZED WITH CHLORINE IN SOLUTION IN ACCORDANCE WITH AMERICAN WATER WORKS ASSOCIATION PUBLICATION C-601-1954.
- 21. PRESSURE TEST ENTIRE HOT AND COLD PIPING AND DRAINAGE SYSTEM FROM CAPPED CONNECTIONS, TO AND INCLUDING VENTS.
- 22. HOT WATER PIPING TO BE INSULATED PER CODE.
- 23. PROVIDE ACCESS PANEL FOR ALL STUB OUTS ENDED INSIDE CEILING OR WALL.
- 24. THREADED FITTINGS: ANSI/ASME B16.3 BLACK MALLEABLE IRON.
- 25. SOCKET-WELDING FITTINGS: ANSI B16.11 FORGED STEEL.
- 26. BUTT-WELDING FITTINGS: ANSI/ASME B16.9 WROUGHT STEEL WITH BACKING RINGS OF COMPATIBLE MATERIAL.
- 27. UNIONS: ASME/ANSI B16.39 BLACK MALLEABLE IRON.
- 28. FLANGES AND FLANGED FITTINGS: ASME/ANSI B16.5 STEEL FLANGES OR CONVOLUTED STEEL FLANGES. FLANGE FACES SHALL HAVE INTEGRAL GROOVES OF RECTANGULAR CROSS SECTION WHICH AFFORD CONTAINMENT FOR SELF-ENERGIZING GASKET MATERIAL.
- 29. THREADED JOINTS: WHERE POSSIBLE USE PIPE WITH FACTORY-CUT THREADS, OTHERWISE CUT PIPE LENGTHS ACCORDINGLY WITH ANSI/ASME B1.20.1. PROVIDE THREADS SMOOTH, CLEAN, AND FULL-CUT. APPLY ANTI-SEIZE PASTE OR TAPE TO MALE THREADS PORTION. WORK PIPING INTO PLACE WITHOUT SPRINGING OR FORCING. BACKING OFF TO PERMIT ALIGNMENT OF THREADED JOINTS WILL NOT BE PERMITTED. ENGAGE THREADS SO THAT NOT MORE THAN TWO THREADS REMAIN EXPOSED. USE UNIONS FOR CONNECTIONS TO VALVES, METERS FOR WHICH A MEANS OF DISCONNECTION IS NOT OTHERWISE PROVIDED.
- 30. WELDED JOINTS: WELD BY THE SHIELDED METAL-ARC PROCESS, USING COVERED ELECTRODES AND IN ACCORDANCE WITH PROCEDURES ESTABLISHED AND QUALIFIED IN ACCORDANCE WITH ASME B31.8. SOLDER IN ACCORDANCE WITH ASTM B32 SHALL BE APPLIED TO THE JOINT SURFACES UNTIL CAPILLARY ACTION DRAWS THE MOLTEN SOLDER INTO THE CAP. SOLDER AND FLUXES WITH A LEAD CONTENT THAT EXCEEDS 0.2 PERCENT SHALL BE PROHIBITED IN PIPING SYSTEM CONVEYING POTABLE WATER.
- 31. FLANGED JOINTS: USE FLANGED JOINTS FOR CONNECTING WELDED JOINT PIPE AND FITTINGS TO VALVES TO PROVIDE FOR DISCONNECTION. INSTALL JOINTS SO THAT FLANGE FACES BEAR UNIFORMLY ON GASKETS. ENGAGE BOLTS SO THAT THERE IS COMPLETE THREADING THROUGH THE NUTS AND TIGHTEN SO THAT BOLTS ARE UNIFORMLY STRESSED AND EQUALLY TORQUE.
- 32. USE TEST PRESSURE OF 50 PSIG. DO NOT TEST UNTIL EVERY JOINT HAS SET AND COOLED AT LEAST 8 HOURS AT TEMPERATURES ABOVE 50 DEGREES F. TEST PIPING SYSTEM FOR AT LEAST 4 HOURS WITHOUT PRESSURE LOSS OR VISIBLE LEAKS.
- 33. PLUMBING FIXTURE CONNECTION SIZE: SEE PLAN.
- 34. ALL HOT WATER PIPE SHALL BE INSULATED WITH INSULATION PER 2022 TITLE 24 STANDARD. MINIMUM 1"-THICK INSULATION FOR PIPE LESS THAN 1"Ø AND MINIMUM 1½"-THICK INSULATION FOR PIPE LARGER THAN OR EQUAL TO 1"Ø.
- 35. PRESSURE PIPING AND FITTING:
 A. DOMESTIC COLD AND HOT WATER (ABOVE GRADE): HARD DRAWN DEOXIDIZED WATER SERVICE TUBING CONFORMING TO ASTM B88, TYPE "L". PROVIDE 125 PSI FLANGE AT CHANGE OF MATERIAL LOCATIONS.
 B. DOMESTIC COLD AND HOT WATER (BELOW GRADE): HARD DRAWN DEOXIDIZED WATER SERVICE TUBING CONFORMING TO ASTM B88, TYPE TYPE "K".
 C. FITTINGS FOR COPPER WATER TUBING: ANSI B16.22 WROUGHT COPPER SOLDER-JOINT FITTING.
 D. TRAP PRIMER PIPING (UNDERGROUND): HARD DRAWN DEOXIDIZED WATER SERVICE TUBING CONFORMING TO ASTM B88, TYPE "K", WROUGHT COPPER FITTING AND BRAZED JOINT.
 E. HARRIS, ENGELHARD, OR EQUAL. BCUP FILLER MATERIAL FOR BRAZING OF COPPER FITTING JOINTS. BRAZE JOINTS FOR COLD WATER PIPING 2-1/2" AND LARGER. BRAZE JOINTS FOR HOT WATER PIPING 2-1/2" AND LARGER.

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PLUMBING GENERAL NOTES

- 37. ALL FIXTURES, EQUIPMENT, PIPING AND MATERIALS SHALL BE LISTED.
- 38. ALL FAUCETS IN PUBLIC RESTROOMS SHALL BE SELF-CLOSING OR SELF-CLOSING METERING FAUCETS.
- 39. PUBLIC LAVATORIES SHALL HAVE CONTROLS TO LIMIT THE WATER TEMPERATURE TO 120°F.
- 40. ALL NATURAL GAS COOKING EQUIPMENT SHALL BE EQUIPPED WITH QUICK DISCONNECT GAS HOSE CONNECTION AND RESTRAINING CABLE ATTACHED TO THE EQUIPMENT.
- 41. ALL PLUMBING FIXTURES AND FITTING SHALL MEET THE STANDARDS REFERENCED IN TABLE 1701.1 OF THE 2022 CPC CGBSC CHAPTER 6. CGBSC SECTION 5.303.6.
- 42. ALL CLEAN-OUTS SHALL BE INSTALLED AS PER SEC. 707.0 & 719.0 OF LATEST CPC.
- 43. WATER SUPPLY AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE BE CONFIGURED, TO PROTECT AGAINST CONTACT. PROTECTORS, INSULATORS, OR BOTH SHALL COMPLY WITH ASME A 112.18.9.
- 44. ALL HOSE BIBBS AND FAUCETS CONNECTED TO NON-POTABLE WATER LINES SHALL BE POSTED 'CAUTION: NON-POTABLE WATER, DO NOT DRINK'.
- 45. ALL NEW POTABLE WATER SYSTEMS SHALL BE DISINFECTED PRIOR TO USE ACCORDING TO SECTION 609.9(1-3) OF THE LATEST PLUMBING CODE.

DRAWING INDEX

PB-0.1	PLUMBING NOTES, CODES, SCOPE OF WORK, AND DRAWING INDEX.
PB-0.2	PLUMBING SCHEDULES, CALCULATIONS, AND TABLES
PB-0.3	PLUMBING DETAILS
PB-1.0	3RD FLOOR PLUMBING PLAN - DEMO
PB-2.0	3RD FLOOR PLUMBING PLAN - NEW

SCOPE OF WORK

- DEMOLISH AND REMOVE EXISTING PLUMBING FIXTURES WITH ALL ASSOCIATED PIPING AND COMPONENTS BACK TO SOURCE MAIN AND SEAL WATERTIGHT.
- INSTALL NEW PLUMBING FIXTURES PER PLAN AND SCHEDULE.
- INSTALL NEW DOMESTIC WATER PIPING SYSTEM TO NEW PLUMBING FIXTURES WITH RE-CONNECTING BACK TO EXISTING HOT/COLD WATER MAIN.
- INSTALL NEW WASTE AND VENT PIPING SYSTEM TO NEW PLUMBING FIXTURES WITH RE-CONNECTING BACK TO EXISTING WASTE AND VENT MAIN.

APPLICABLE CODE

2022 CALIFORNIA BUILDING CODE
 2022 CALIFORNIA MECHANICAL CODE
 2022 CALIFORNIA PLUMBING CODE
 2022 CALIFORNIA ENERGY CODE
 2022 CALIFORNIA FIRE CODE
 2022 CALIFORNIA GREEN BUILDING CODE
 2022 NFPA 13
 ALL AMENDMENTS AND SUPPLEMENTS TO ABOVE CODES
 ALL CITY OF SAN JOSE ORDINANCES AND AMENDMENTS TO ABOVE CODES

SYMBOL	DESCRIPTION
	EQUIPMENT TYPE
	EQUIPMENT NUMBER
	DETAIL DRAWING NUMBER
	DETAIL DRAWING PAGE
	POINT OF CONNECTION
	POINT OF DISCONNECT
	PLUMBING FIXTURE CONNECTION
	CLEAN OUT
	DN. PIPE DOWN
	UP. PIPE UP
	-- FLOW DIRECTION
	TP. TRAP PRIMER W/ WALL ACCESS PANEL
	SOV. SHUT-OFF VALVE
	CKV. CHECK VALVE
	GCK. GAS COCK
	FD. FLOOR DRAIN
	PR. PIPE REDUCER
	WCO. WALL CLEAN-OUT
	FCO. FLOOR CLEAN-OUT
	BDV. STRAINER WITH BLOWDOWN VALVE
	BV. BALANCING VALVE
	PR. NATURAL GAS PRESSURE REGULATOR

LINE TYPE	ABBREV.	DESCRIPTION
	(D)	PIPE TO BE REMOVED
	(E)	EXISTING PIPE TO REMAIN
	G.	NATURAL GAS
	HWS	HOT WATER SUPPLY
	CW	COLD WATER SUPPLY
	FW	FILTER WATER
	SW	SANITARY WASTE
	GW	GREASE WASTE
	V	VENT PIPE
	CD	CONDENSATE DRAIN

ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AFF	ABOVE FINISHED FLOOR	ICS	IN CEILING SPACE
B.G.	BELOW GRADE	INS	INSULATION (THERMAL)
BLDG	BUILDING	MA	MAKE-UP AIR
BSMT	BASEMENT	NIC	NOT IN CONTRACT
OFF	CAP FOR FUTURE	OSA	OUTSIDE AIR (FRESH AIR)
CLG	CEILING	POC	POINT OF CONNECTION
CSD	CEILING SUPPLY DIFFUSER	RA	RETURN AIR
EA	EXHAUST AIR	SA	SUPPLY AIR
DN	DOWN	SAD	SEE ARCHITECTURAL DRAWING
FA	FRESH AIR	SOV	SHUT-OFF VALVE
FL	FLOOR	SRR	SIDEWALL RETURN REGISTER
FR	FROM	UTR	UP THROUGH ROOF
FR	FROM	U.G.	UNDERGROUND/BELOW GRADE
GE	GREASE EXHAUST	VTF	VENT THROUGH ROOF
KEA	KITCHEN EXHAUST AIR		

BEPM 24-075691

Reviewed for Code Compliance

City of San Jose, Building Division
 Building Electrical
 Plumbing Mechanical
ROBERT KHALIFA, P.E. (408) 535-7764
 No. 23-114013 Date: 03/01/2024

PLUMBING FIXTURE SCHEDULE*

TAG	FIXTURE	MAX. WATER USAGE	DESCRIPTION
WC (ADA)	WATER CLOSET, ADA	1.28 GPF	KOHLER KINGSTON™ TOP SPUD FLUSHOMETER BOWL. MODEL: K-4325. 1.28-GPF. ADA COMPLIANT. COMPLETE WITH 1/2" TOP SPUD, IMPROVED FLUSH FOR TOILET SEAT COVER REMOVAL. COMPLETE WITH KOHLER LUSTRA K-4666-3A ELONGATED COMMERCIAL HEAVY DUTY TOILET SEAT. CONFIRM COLOR AND FINISH WITH ARCHITECT/OWNER PRIOR TO ORDER. COMPLETE WITH FACTORY WALL HUNG AND SLOAN ECOS BATTERY OPERATE SENSOR FLUSHOMETER IN POLISHED CHROME (MODEL: ECOS 8111-1.6/1.1).
LAV (ADA)	LAVATORY, ADA	0.4 GPM	PORCELANOSA 8-BASIS CRION DESIGN BATHROOM SINK INTEGRAL AT 34" A.F.F. MAX. OVERFLOW DRAIN. ADA COMPLIANT. CONFIRM COLOR AND FINISH WITH ARCHITECT/OWNER PRIOR TO ORDER. COMPLETE WITH 2X2 STEEL ANGLE TO SUPPORT COUNTERTOP. VANDAL TRAP V8902CNC, AND SLOAN OPTIMA® BATTERY OPERATE SENSOR FAUCET IN POLISHED CHROME (MODEL: ETF-85-4-BAT-BDM-CP-0.5GPM-MLM-FC).
UR (ADA)	URINAL, ADA	0.125 GPF	KOHLER® HIGH EFFICIENCY WASHOUT URINAL. MODEL: K-4991-ET. 0.125-GPF. FLUSH VALVE, ADA COMPLIANT. COMPLETE WITH 3/4" TOP SPUD INLET AND CEFINTECT. ANTIMICROBIAL FINISH. COMPLETE WITH FACTORY WALL CARRIER AND SLOAN ECOS® BATTERY OPERATE SENSOR FLUSHOMETER (MODEL: ECOS 8186-0.125). CONFIRM COLOR AND FINISH WITH ARCHITECT/OWNER PRIOR TO ORDER.
TP	TRAP PRIMER	--	PRECISION PLUMBING PRODUCTS (PPP) MODEL MP-500-12V TRAP PRIMER WITH BATTERY OPERATED SOLENOID VALVE AND KEY OPERATED LOCKABLE RECESSED WALL BOX. PROVIDE DISTRIBUTION UNIT FOR VALVE SERVING MORE THAN 1 FLOOR DRAIN.
DF (ADA)	DRINKING FOUNTAIN, ADA	N/A	ELKAY. MODEL: EZH20® BOTTLE FILLING STATION & SINGLE ADA COOLER REFRIGERATED STAINLESS HIGH CAPACITY LEAD REDUCTION QUICK FILTER CHANGE. MODEL LZS8WSSP.
HB	HOSE BIBB	1.5 GPM	CHICAGO FAUCETS MODEL 387-E27CP MANUAL FAUCETS HOSE BIBB. INSIDE SILL FITTING. POLISHED CHROME PLATED FINISH. 2 1/2" TEE HANDLE. SLOW COMPRESSION RENEWABLE CARTRIDGE THAT CLOSURES WITH WATER PRESSURE WITH TAPERED SQUARE BROACH TO FACILITATE HANDLE REMOVAL. CATALOG#217-XTLH. IN-LINE VACUUM BREAKER HOSE THREAD OUTLET. CATALOG #27. 3/4" NPT FEMALE INLET. 3/4" MAL GARDEN HOSE THREAD OUTLET. LOOSE WALL FLANGE. RATED OPERATING PRESSURE: 20-125 PSI. RATED OPERATING TEMPERATURE: 40-140°F.
WCO	WALL CLEAN-OUT	--	ZURN Z1446 WALL CLEAN-OUT W/ ROUND WALL ACCESS COVER. CLEANOUT TEE. DURA-COATED CAST IRON BODY, GAS AND WATERTIGHT ABS TAPERED PLUG, AND ROUND, SMOOTH STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW. D.C.C.I. WITH POLISHES STAINLESS STEEL COVER.
FCO	FLOOR CLEAN-OUT	--	ZURN/Z1400 EXTRA-HEAVY-DUTY "LEVEL-TROL" ADJUSTABLE FLOOR CLEAN-OUT. DURA-COATED CAST IRON BODY WITH GAS AND WATERTIGHT ABS TAPERED PLUG, AND SECURED TOP. 4" INSIDE CAULK.

* ALL PLUMBING FIXTURES AND FITTING SHALL MEET THE STANDARDS REFERENCED IN TABLE 604.1 AND TABLE 701.2 OF 2018 UNIFORM PLUMBING CODE.

PLUMBING EQUIPMENT SCHEDULE

TAG	DESCRIPTION
(E) EW-01	EXISTING A.O. SMITH: DEL-20-A. WATER HEATER. NOMINAL GALLON CAPACITY 20 GAL. PROVIDE NEW FACTORY LISTED FLEXIBLE HOSE CONNECTION, UNION FITTINGS, ISOLATION VALVES, CHECK VALVE, AND AMTROL ST-5-C EXPANSION TANK. PROVIDE INSPECTION AND FUNCTIONAL TEST TO EXISTING WATER HEATER. REPLACE WATER HEATER WITH MATCH SPEC AS NEEDED.
(N) CP-01	BELL AND GOSSETT LEAD FREE (CA AB1953 COMPLIANT) RECIRCULATOR MODEL: NBF-25. 3-SPEED. 3/4" NPT. 2.5 GPM @ 10 FT. HD. 115V/1Ø/60HZ. MAX. 125WATTS. COMPLETE WITH LEAD FREE BODY, FACTORY ADJUSTABLE AQUASTAT AND TIMER MODULE FOR PUMP CONTROL. COORDINATE WITH ELECTRICAL CONTRACTOR FOR PROVISION OF 115/1PH POWER, DISCONNECT, AND WIRING BY ELECTRICAL CONTRACTOR.

PLUMBING MATERIAL SCHEDULE*

ITEM	LOCATION	SPECIFICATIONS
DOMESTIC COLD WATER PIPE	ABOVE GRADE	TYPE L COPPER. PIPE SHALL CONFORM WITH ASTM-(B42, B43, B75, B88, B135, B251, B302, B447). PIPE FITTING SHALL CONFORM WITH ASTM-(B16.15, B16.18, B16.22, B16.26, B16.50, B16.51), ASSE 1061.
DOMESTIC COLD WATER PIPE	BELOW GRADE	TYPE K COPPER. PIPE SHALL CONFORM WITH ASTM-(B42, B43, B75, B88, B135, B251, B302, B447). PIPE FITTING SHALL CONFORM WITH ASTM-(B16.15, B16.18, B16.22, B16.26, B16.50, B16.51), ASSE 1061.
SANITARY WASTE AND VENT PIPE	ABOVE GRADE	CAST IRON NO-HUB. PIPE SHALL CONFORM WITH ASTM-D2661, ASTM D2680. PIPE FITTING SHALL CONFORM WITH ASTM D2661, ASTM D2680
SANITARY WASTE AND VENT PIPE	BELOW GRADE	CAST IRON NO-HUB. PIPE SHALL CONFORM WITH ASTM-D2661, ASTM D2680. PIPE FITTING SHALL CONFORM WITH ASTM D2661, ASTM D2680

* SCHEDULE SHOWN FOR QUICK REFERENCE ONLY. SEE COMPLETE MATERIAL SPECIFICATIONS ON P-0.1.
 * MATERIALS FOR DRAINAGE PIPING SHALL BE IN ACCORDANCE WITH ONE OF THE REFERENCED STANDARDS IN TABLE 701.2. MATERIALS FOR BUILDING WATER PIPING AND BUILDING SUPPLY PIPING SHALL COMPLY WITH THE APPLICABLE STANDARD REFERENCED IN TABLE 604.1.
 * ALL METALLIC NATURAL GAS PIPE AND JOINTING SHALL COMPLY WITH STANDARDS LISTED UNDER UPC 1208.6.

PLUMBING FIXTURE UNIT (FU) CALCULATION

TAG	TYPE	WATER			SANITARY WASTE		
		QTY	EACH	TOTAL	QTY	EACH	TOTAL
WC	WATER CLOSET	6	--	125.0	6	4.0	24.0
LAV	LAVATORY	6	1.0	6.0	6	1.0	6.0
UR	URINAL	1	--	20	1	4.0	4.0
(E)FD	FLOOR DRAIN	3	N/A	--	3	2.0	6.0
TP	TRAP PRIMER	1	1.0	1.0	--	N/A	--
(E)MS	MOP SINK	1	3.0	3.0	1	3.0	3.0
(E)DF	DRINK FOURTAIN	1	1.0	1.0	1	1.0	1.0
DF	DRINK FOURTAIN	1	1.0	1.0	1	1.0	1.0
HB	HOSE BIBB	2	1.0	2.0	--	N/A	--
TOTAL FU			159		45		

MAKE CONNECTION TO DEDICATED WATER FILTER THEN TO FIXTURE.

WATER SUPPLY SYSTEM:
(PER 2022 CPC TABLE 610.4, 46--60 PSI)

DISTANCE TO MOST REMOTE FIXTURE = 200 FT.
MIN. REQUIRED SIZE OF WATER MAIN: 2" Ø MAIN
EXISTING COLD WATER MAIN: (E) 2" Ø MAIN

WASTE AND VENT SYSTEM:
(PER 2022 CPC TABLE 703.2)

MINIMUM REQUIRED SIZE OF WASTE MAIN: (1) 4" Ø SW
EXISTING BUILDING WASTE MAIN: (1) 4" Ø SW
PROVIDED PLUMBING WASTE MAIN: (1) 4" Ø SW
MINIMUM REQUIRED SIZE OF VENT PIPE: (1) 3" Ø V.
PROVIDED PLUMBING VENT: (1) 3" Ø V

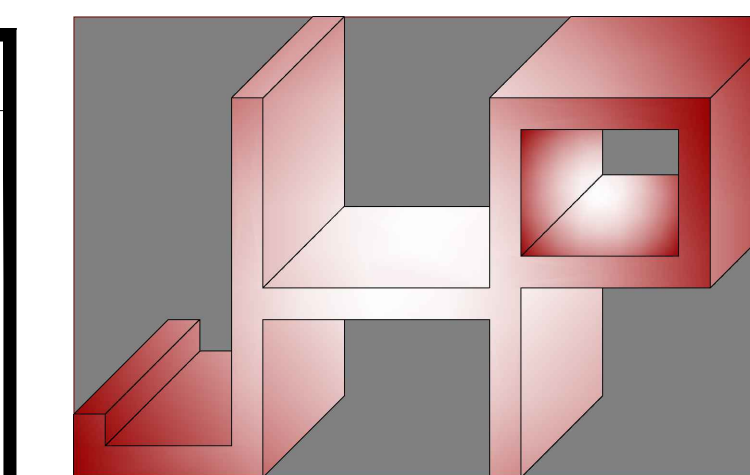
MINIMUM PLUMBING FIXTURE BRANCH PIPE SIZE*

TAG	FIXTURE	WASTE	TRAP	VENT	CW	HW	REMARK
WC	WATER CLOSET (FLUSH VALVE)	3" Ø	--	2" Ø	1 1/2" Ø	--	①
UR	URINAL (FLUSH VALVE)	2" Ø	1 1/2" Ø	2" Ø	1 1/2" Ø	--	①
LAV	LAVATORY	2" Ø	1 1/2" Ø	1 1/2" Ø	1 1/2" Ø	1 1/2" Ø	①②
(E)MS	MOP SINK	2" Ø	2" Ø	2" Ø	3/4" Ø	3/4" Ø	①③
DF	DRINKING FOUNTAIN	2" Ø	--	1 1/2" Ø	3/4" Ø	--	①
TP	TRAP PRIMER	--	--	--	1/2" Ø	--	①
HB	HOSE BIBB	--	--	--	1/2" Ø	--	①

* PIPE SIZES SHOWN ARE NOT FIXTURE CONNECTION SIZE BUT BRANCH LINE SIZE. SEE FINAL PRODUCT MANUFACTURER RECOMMENDED PIPING CONNECTION SIZES PRIOR TO INSTALL. PROVIDE REDUCER BETWEEN BRANCH LINE AND CONNECTION AS REQUIRED.

** UNDERGROUND VENT PIPE AND TRAP ARM EXTENSION SHALL COMPLY WITH UPC TABLE 1002.2.

REMARKS
 ① PROVIDE WATER HAMMER ARRESTER (ZURN/1250XL) FOR EACH FIXTURE BANK AND MIN. 18" AIR CHAMBER AT EACH PLUMBING FIXTURE.
 ② PROVIDE THERMAL MIXING VALVE AND SET HOT WATER TEMPERATURE NO HIGHER THAN 110°F.
 ③ PROVIDE BACKFLOW PREVENTION DEVICE AT EQUIPMENT CONNECTION



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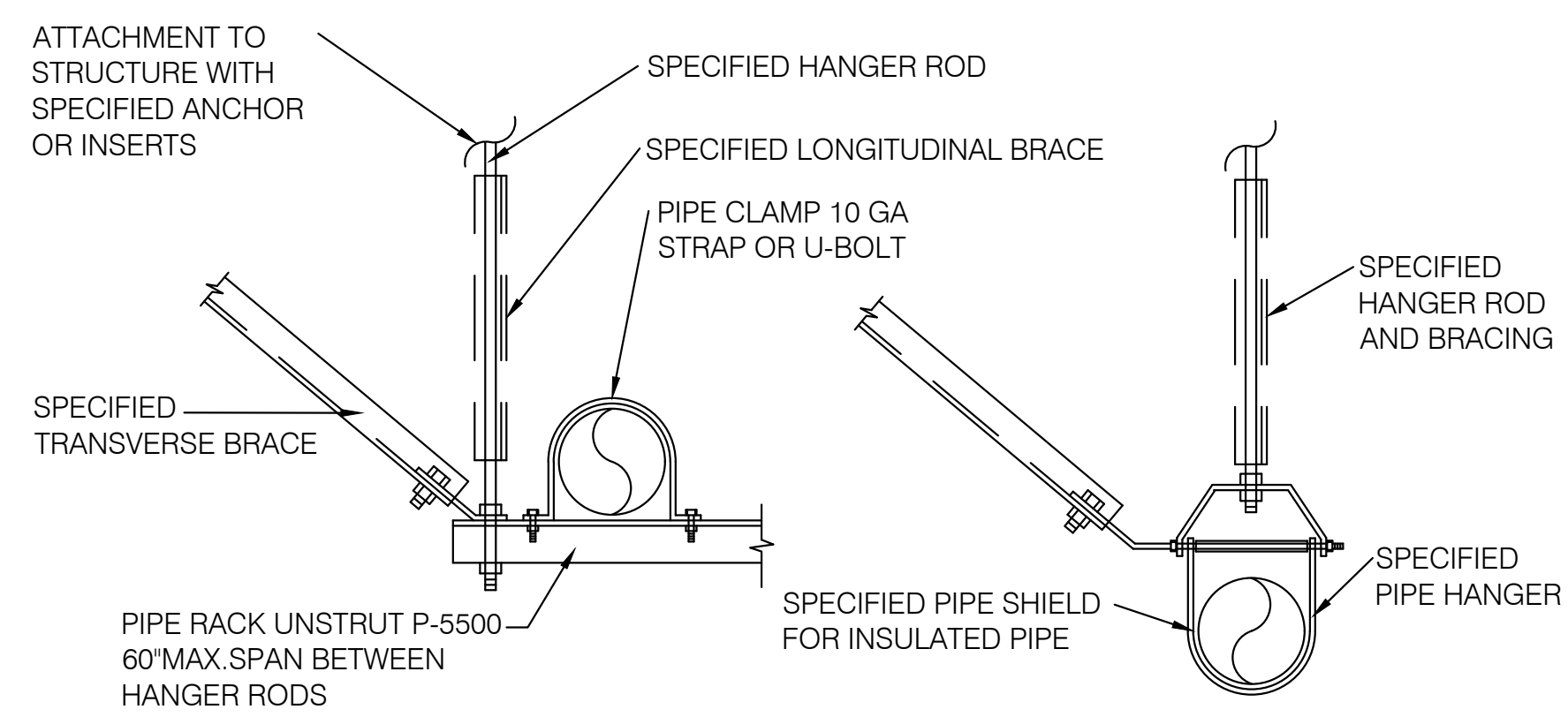
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PLUMBING SCHEDULES, CALCULATIONS, AND TABLES

SHEET TITLE

SHEET NO. P-0.2

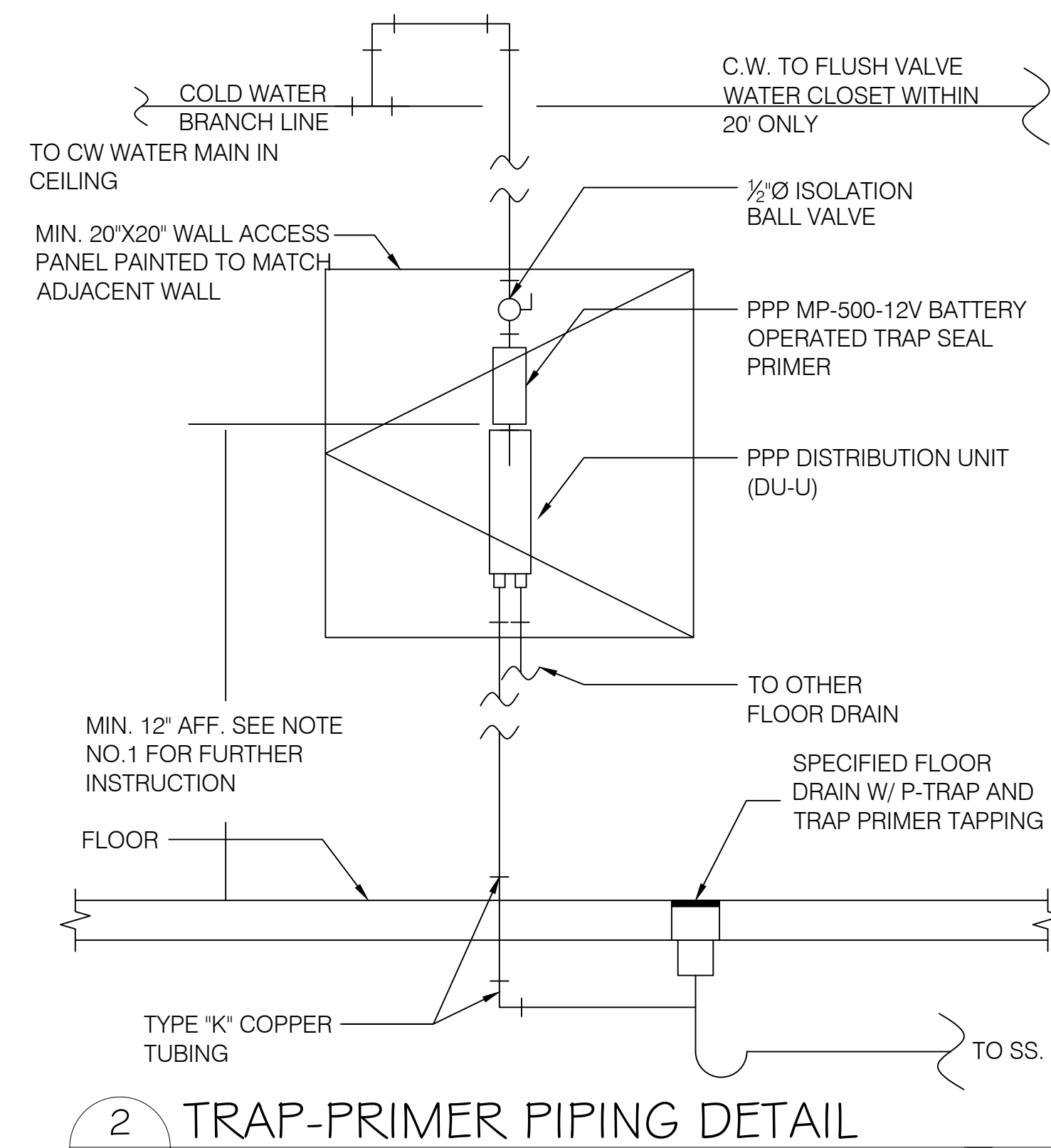
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 City of San Jose, Building Division
 Building Electrical
 Plumbing Mechanical
 ROBERT KHALIFA, P.E. (408) 535-7764
 No. 23-114013 Date: 03/01/2024



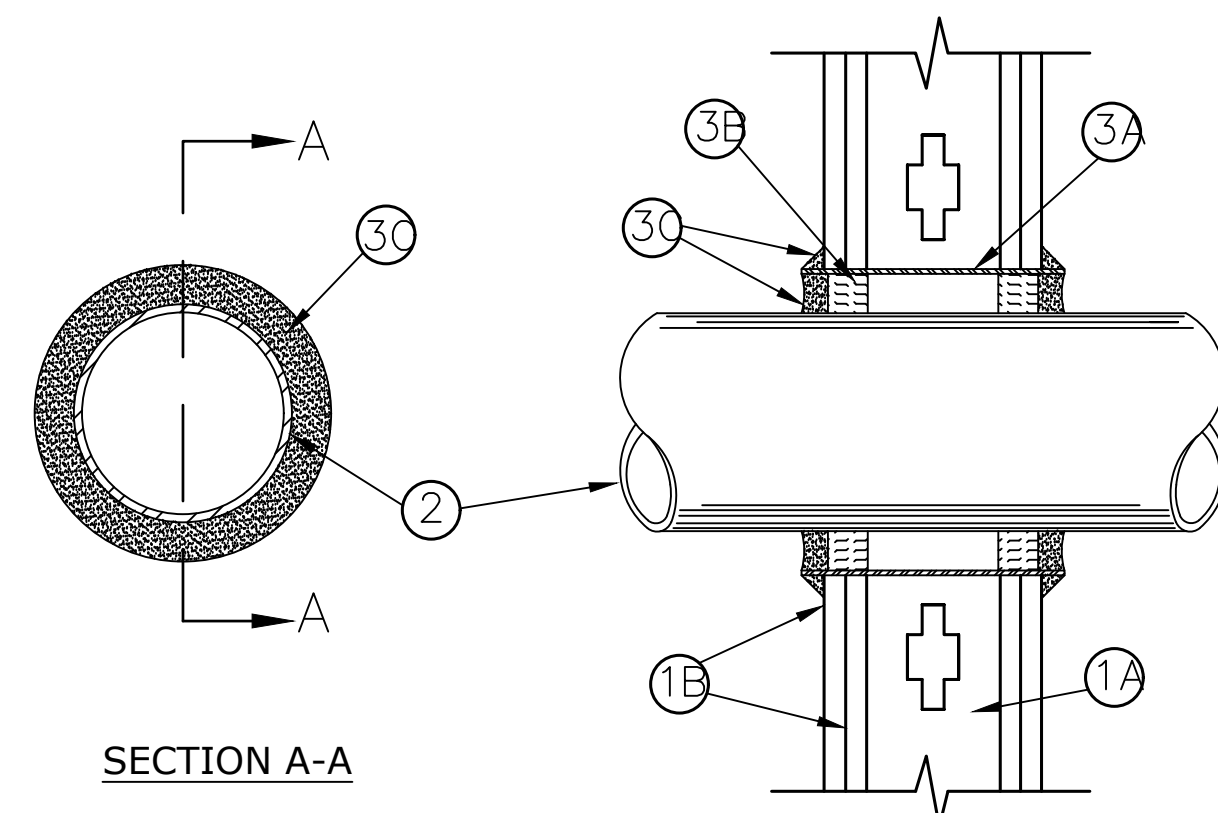
PIPE SIZE	HANGER ROD SIZE	MAX. WEIGHT PER HANGER LOAD	MAXIMUM PIPE SUPPORT SPACING		
			COPPER TUBE OR PIPE	STEEL PIPE	CAST-IRON
1/2"-1 1/2"	3/8"	610 LBS	6'-0"	6'-0"	EVERY OTHER JOINT, UNLESS OVER 4' THEN SUPPORT EACH JOINT
2"-3"	1/2"	730 LBS	10'-0"	10'-0"	
>= 4"	3/4"	810 LBS	10'-0"	10'-0"	

- NOTES:
- SUPPORT PIPES AT INTERVALS INDICATED AND AT EACH CHANGE OF DIRECTION.
 - MULTIPLE PIPES MAY BE SUPPORTED ON A COMMON TRAPEZE SIZE AND SPACING TRAPEZE SIZE AND SUPPORT SPACING SHALL BE GOVERNED BY CUMULATIVE WEIGHT OF SUPPORTED PIPING.
 - BRACE PIPING LONGITUDINALLY AND TRANSVERSELY ACCORDING TO SMACNA GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEM AND PLUMBING PIPING SYSTEM
 - ALL PIPE HANGER AND SUPPORT SHALL CONFORM TO 2018 UMC TABLE 313.6 AND 313.1

1 PIPE SUPPORT DETAIL
SCALE: N.T.S.



2 TRAP-PRIMER PIPING DETAIL
SCALE: N.T.S.



SECTION A-A
SYSTEM NO. W-L-1003 SEPTEMBER 03, 2004
(FORMERLY SYSTEM NO. 147)
F RATINGS - 1 AND 2 HR (SEE ITEM 1) - T RATING - 0 HR

1. WALL ASSEMBLY - THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGN IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:

- A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-1/2 IN. WIDE BY 1-3/8 IN. DEEP CHANNELS SPACED MAX 24 IN. OC.
- B. GYPSUM BOARD* - NOM 5/8 IN. THICK, 4 FT. WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAMETER OF OPENING IS 15 IN. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

2. THROUGH PENETRANT - ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE SPACE BETWEEN PIPES, CONDUITS OR TUBING AND THE STEEL SLEEVE (ITEM 3A) SHALL BE MIN OF 0 IN. (POINT CONTACT) TO MAX 2-3/8 IN. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:

- A. STEEL PIPE - NOM 12 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
 B. IRON PIPE - NOM 12 IN. DIAM (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12 IN. DIAM (OR SMALLER) OR CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE.
 C. CONDUIT - NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT OR NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING.
 D. COPPER TUBING - NOM 6 IN. DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
 E. COPPER PIPE - NOM 6 IN. DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.

3. FIRESTOP SYSTEM - INSTALLED SYMMETRICALLY ON BOTH SIDES OF WALL ASSEMBLY. THE DETAILS OF THE FIRESTOP SYSTEM SHALL BE AS FOLLOWS.

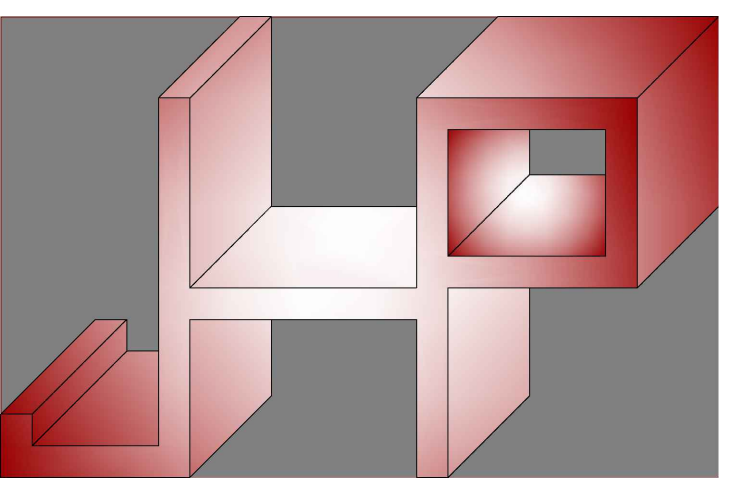
- A. STEEL SLEEVE - CYLINDRICAL SLEEVE FABRICATED FROM MIN 0.019 IN. THICK (NO. 28 GAUGE) GALV SHEET STEEL AND HAVING A MIN 2 IN. LAP ALONG THE LONGITUDINAL SEAM. LENGTH OF STEEL SLEEVE TO BE EQUAL TO THICKNESS OF WALL PLUS 1 TO 4 IN. SUCH THAT, WHEN INSTALLED, THE ENDS OF THE SLEEVE WILL PROJECT APPROXIMATELY 1/2 TO 2 IN. BEYOND THE SURFACE OF THE WALL ON BOTH SIDES OF THE WALL ASSEMBLY. SLEEVE INSTALLED BY COILING THE SHEET STEEL TO A DIAM SMALLER THAN THE THROUGH OPENING, INSERTING THE COIL THROUGH THE OPENINGS AND RELEASING THE COIL TO LET IT UNCOIL AGAINST THE CIRCULAR CUTOUTS IN THE GYPSUM WALLBOARD LAYERS.
- B. PACKING MATERIAL - MIN 1 IN. THICKNESS OF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO STEEL SLEEVE ON BOTH SIDES OF THE WALL ASSEMBLY AS PERMANENT FORMS. PACKING MATERIAL TO BE RECESSED MIN 1/2 IN. FROM END OF STEEL SLEEVE (FLUSH WITH OR RECESSED INTO GYPSUM WALLBOARD SURFACE) ON BOTH SIDES OF WALL ASSEMBLY.
- B1. PACKING MATERIAL - (NOT SHOWN) - AS AN ALTERNATE TO ITEM B, NOM 1 IN. THICK POLYETHYLENE BACKER ROD MAY BE USED. THE BACKER ROD IS TO BE RECESSED WITHIN THE STEEL SLEEVE A MIN OF 1 IN. FROM EACH SURFACE OF WALL.
- C. FILL VOID OR CAVITY MATERIALS* - CAULK OR SEALANT - WHEN MINERAL WOOL BATT INSULATION IS USED, APPLIED TO FILL THE STEEL SLEEVE TO A MIN DEPTH OF 1/2 IN. ON BOTH SIDES OF WALL ASSEMBLY. WHEN BACKER ROD IS USED, A MIN THICKNESS OF 1 IN. OF CP-25WB+ CAULK IS REQUIRED FLUSH WITH SURFACE OF WALL. A NOM 1/4 IN. DIAM CONTINUOUS BEAD OF CAULK OR SEALANT SHALL BE APPLIED AROUND THE CIRCUMFERENCE OF THE STEEL SLEEVE AT ITS EGRESS FROM THE GYPSUM WALLBOARD LAYERS ON BOTH SIDES OF THE WALL ASSEMBLY.

3M COMPANY - CP 25WB+ CAULK OR FB-3000 WT SEALANT.

*BEARING THE UL CLASSIFICATION MARKING

3 PIPE THRU RATED WALL DETAIL
SCALE: N.T.S.

NOT USE



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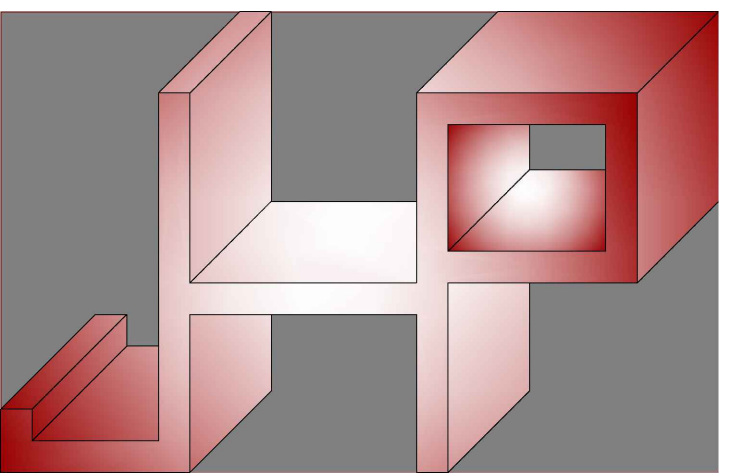
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PLUMBING DETAILS

SHEET TITLE

SHEET NO. **P-0.3**

Reviewed for Code Compliance
 City of San Jose, Building Division
 Building Electrical
 Plumbing Mechanical
ROBERT KHALIFA, P.E. (408) 535-7764
 No. 23-114013 Date: 03/01/2024



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3RD FLOOR PLUMBING
 PLAN-DEMO

SHEET TITLE

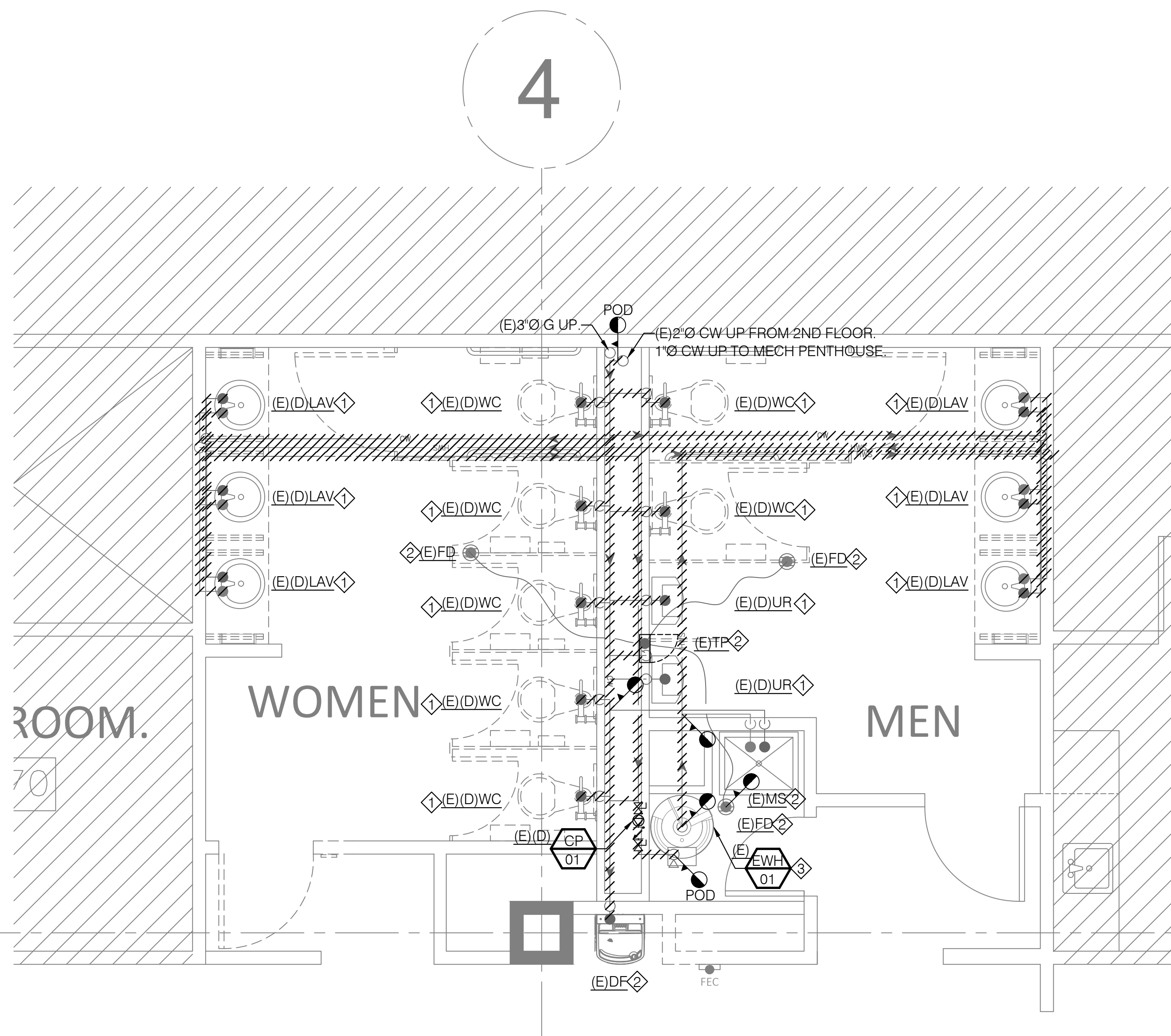
SHEET NO. P-1.0

GENERAL NOTES:

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- PLUMBING/GENERAL CONTRACTOR TO COORDINATE WITH LANDLORD FOR SCHEDULES OF CONSTRUCTION THAT ARE OUTSIDE OF THE TENANT SPACE.
- PLUMBING CONTRACTOR IS RESPONSIBLE TO VERIFY EXACT LOCATION, SIZE, INVERT, AND CONDITION OF EXISTING PIPE ROUTE AND CONFIRM THE CONSTRUCT ABILITY OF PROPOSED SYSTEM PRIOR TO CONSTRUCT. REPORT TO ENGINEER / ARCHITECT FOR ANY DISCREPANCY OBSERVED

SHEET NOTES:

- ◊ DEMOLISH AND REMOVE (E)PLUMBING FIXTURES. CUT AND CAP CONNECTION BACK TO POD PER PLAN. TYPICAL.
- ◊ (E)PLUMBING FIXTURE TO REMAIN AND REUSE. TYPICAL.
- ◊ (E)WATER HEATER TO BE REMAIN AND REUSE.



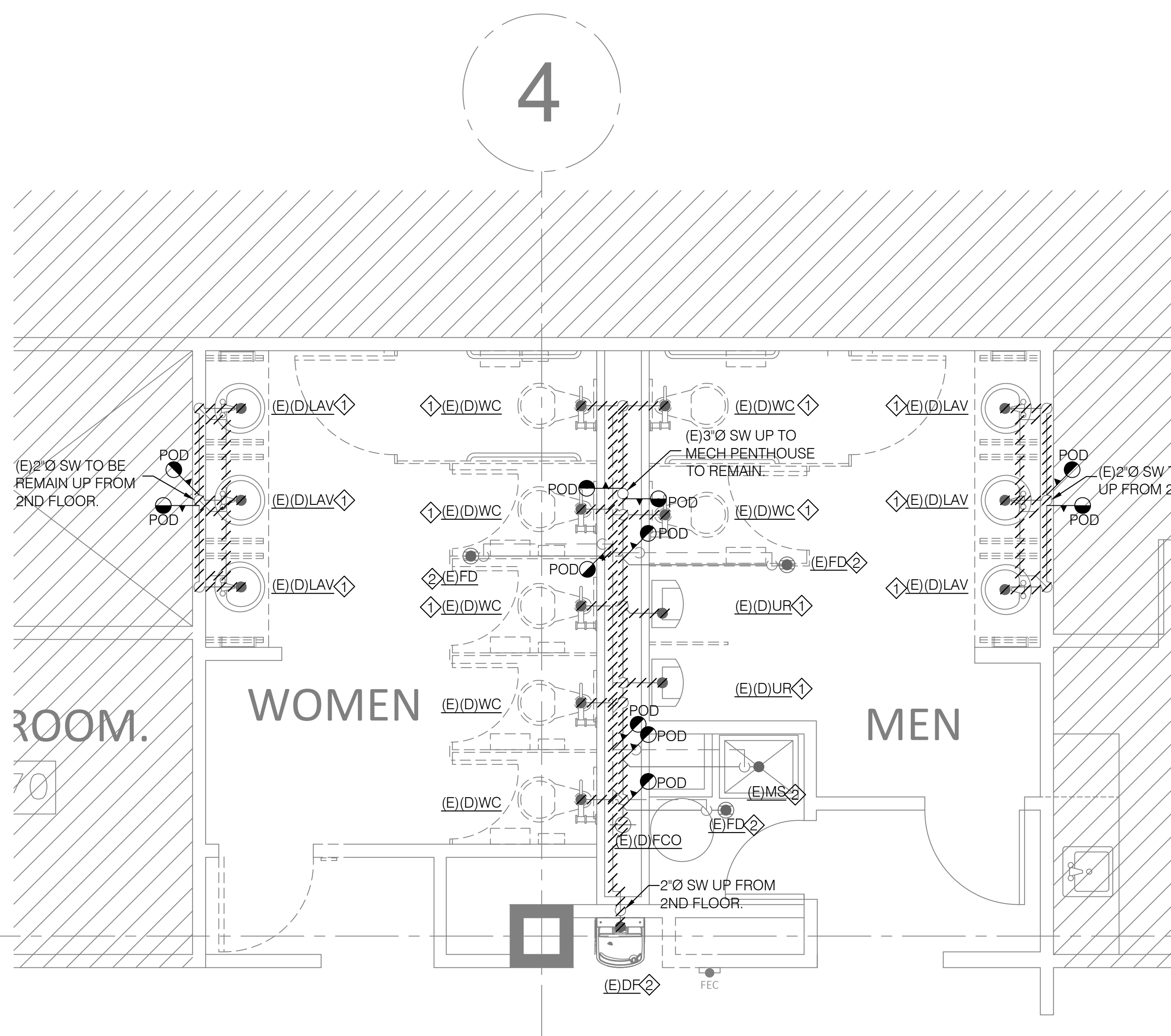
1 3RD FLOOR PLUMBING DOMESTIC WATER PIPING PLAN-DEMO
 SCALE: 3/8" = 1'-0"

GENERAL NOTES:

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SHEET NOTES:

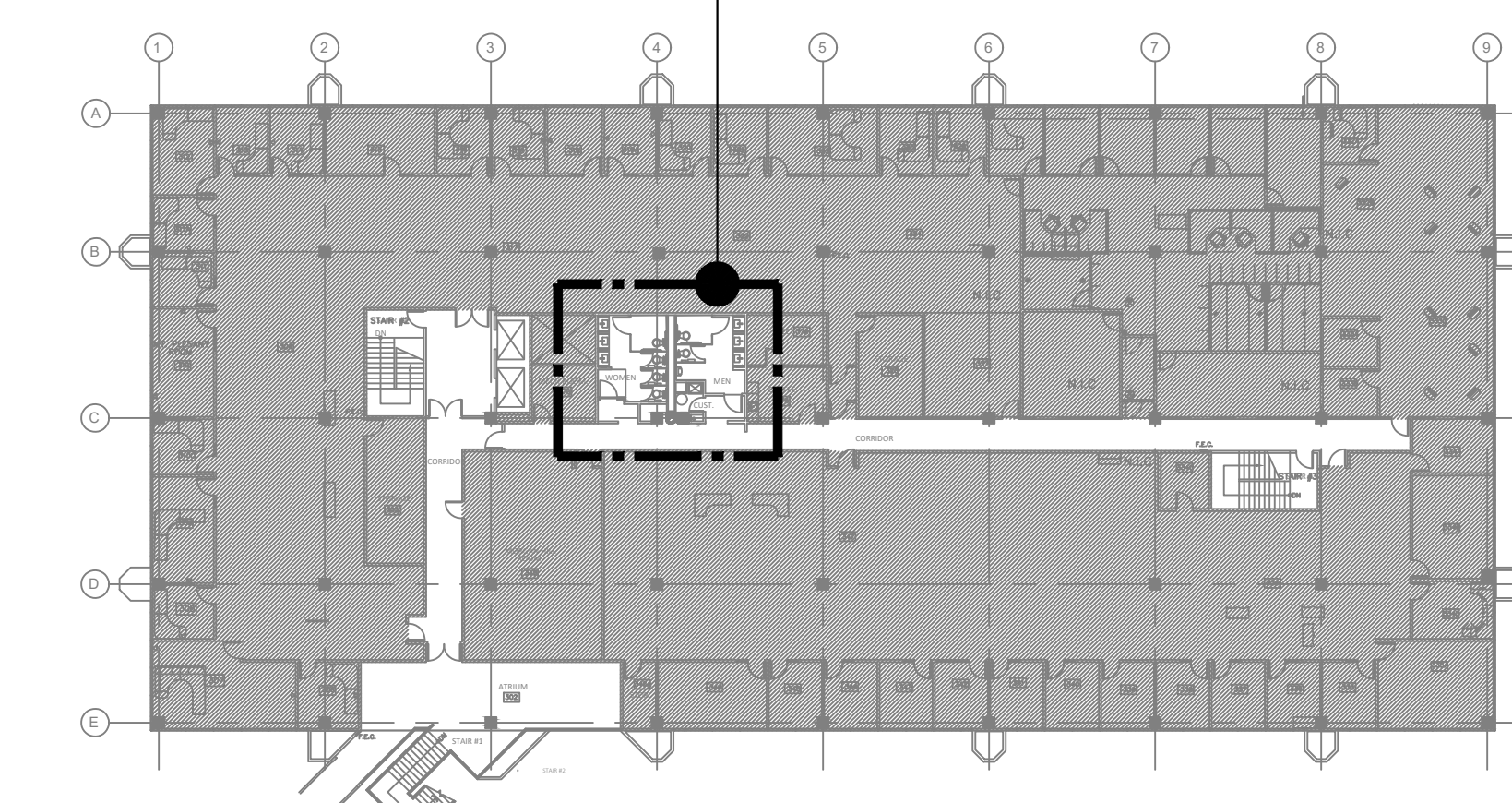
- ◊ DEMOLISH AND REMOVE (E)PLUMBING FIXTURES. CUT AND CAP CONNECTION BACK TO POC PER PLAN. TYPICAL.
- ◊ (E)PLUMBING FIXTURE TO REMAIN AND REUSE.



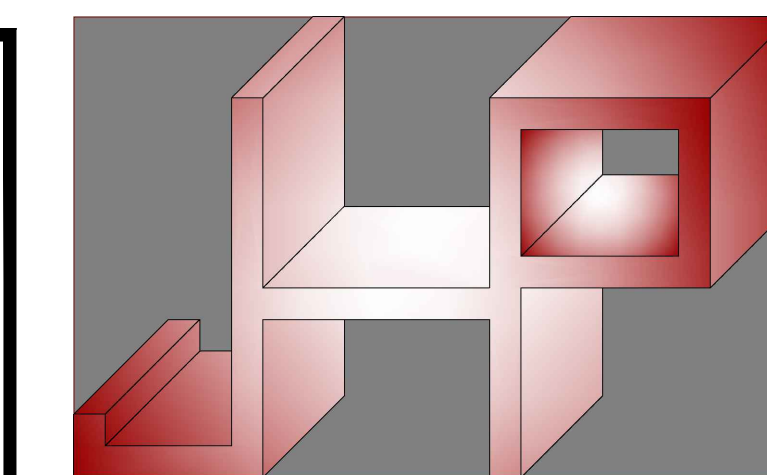
2 3RD FLOOR PLUMBING WASTE AND VENT PIPING PLAN-DEMO
 SCALE: 3/8" = 1'-0"

Reviewed for Code Compliance
 City of San Jose, Building Division
 Building Electrical
 Plumbing Mechanical
 ROBERT KHALIFA, P.E. (408) 535-7764
 No. 23-114013 Date: 03/01/2024

AREA OF WORK



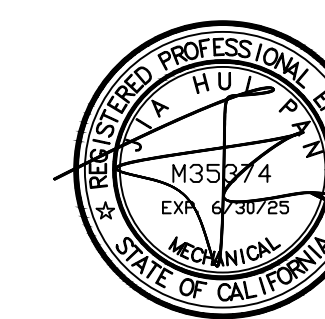
SITE MAP
 SCALE: N.T.S.



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3RD FLOOR PLUMBING PLAN-NEW

SHEET TITLE

SHEET NO. P-2.0

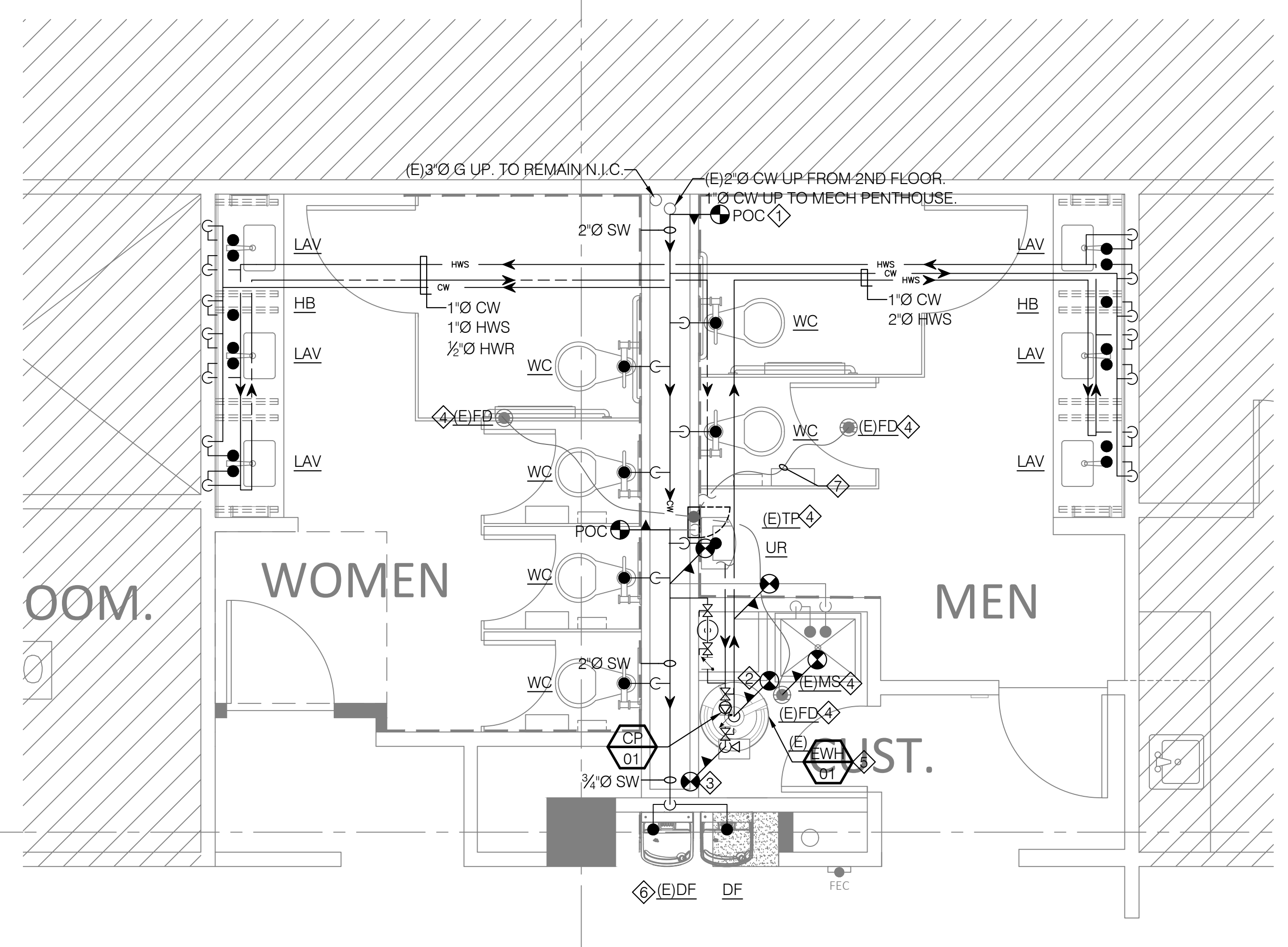
GENERAL NOTES:

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SHEET NOTES:

- ◇ CONNECT (N)2" CW TO (E)2" CW MAIN. CONTRACTOR TO CONFIRM EXACT LOCATION, SIZE AND CONDITION PRIOR TO CONSTRUCTION.
- ◇ CONNECT (N)2" HWS TO (E)WATER HEATER WITH NEW FITTING AND VALVES.
- ◇ CONNECT (N)1/2" HWR TO (E)WATER HEATER.
- ◇ (E)PLUMBING FIXTURE TO REMAIN. CONTRACTOR TO RECONNECT EXISTING FIXTURE FOR SERVICEABILITY IF SYSTEM IS ALTERED. VERIFY EXACT PIPE ROUTE AT FIELD.
- ◇ (E)WATER HEATER TO REMAIN. CONTRACTOR TO VERIFY EXISTING CONDITION AND PROVIDE NEW PIPING COMPONENTS PER PLAN TO COMPLY WITH LATEST PLUMBING CODE.
- ◇ (E)DRINKING FOUNTAIN TO REMAIN. CONTRACTOR TO VERIFY EXISTING CONDITION AND PROVIDE NEW PIPING COMPONENTS PER PLAN TO COMPLY WITH LATEST PLUMBING CODE.
- ◇ PROVIDE CONNECTION BETWEEN (N) TRAP PRIMER TO (E) FLOOR DRAIN AS REQUIRED. V.I.F. TYPICAL.

4



1 3RD FLOOR PLUMBING DOMESTIC WATER PIPING PLAN-NEW

SCALE: 3/8" = 1'-0"

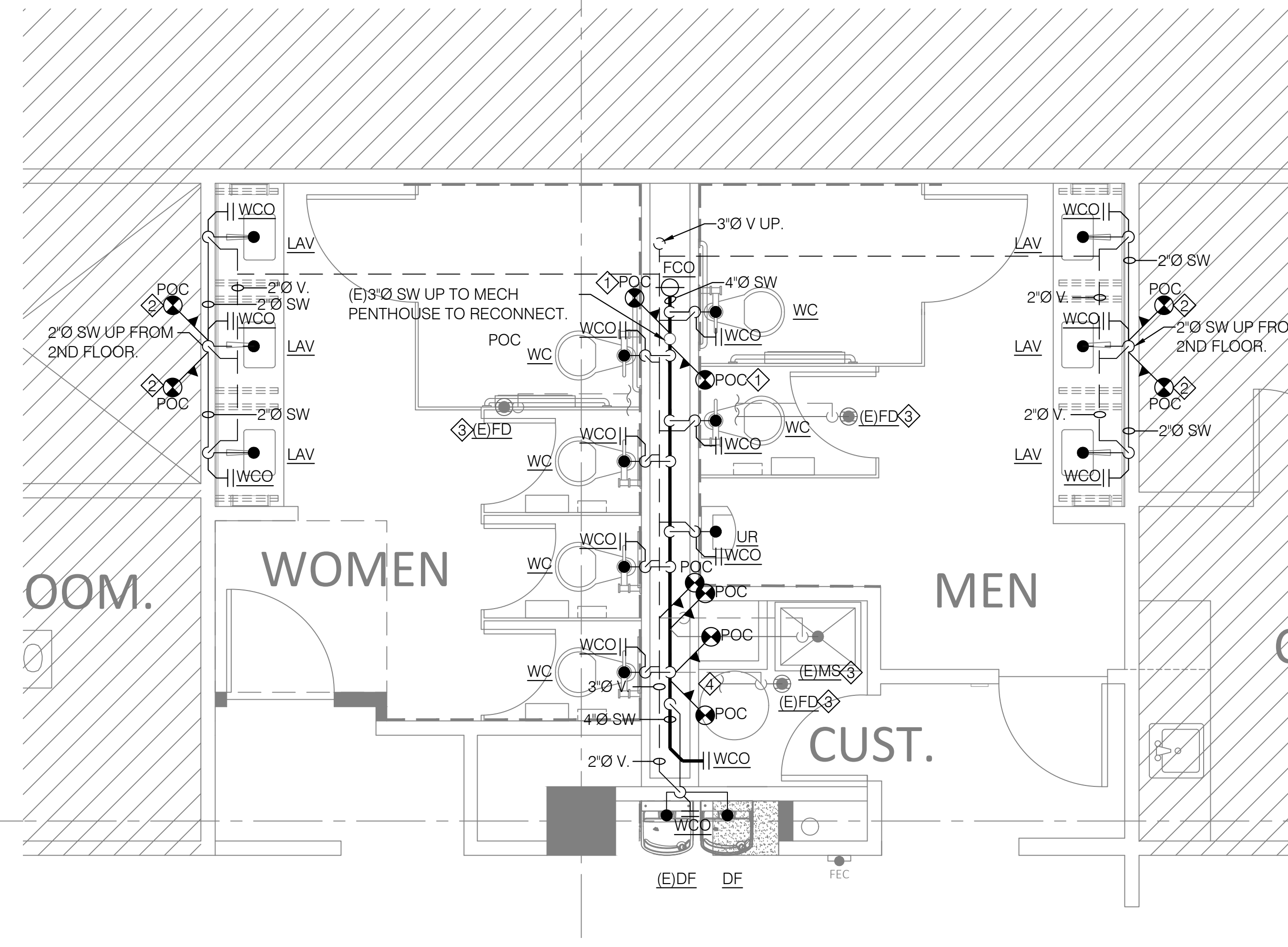
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- EXISTING PIPE SIZES AND LOCATIONS SHOWN ON PLAN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL INVESTIGATE AND VERIFY EXACT PIPE SIZE, ROUTE, INVERT, AND CONDITION OF ALL EXISTING PLUMBING UTILITIES PRIOR TO BID AND CONSTRUCT.
- PLUMBING/GENERAL CONTRACTOR TO COORDINATE WITH LANDLORD FOR SCHEDULES OF CONSTRUCTION THAT ARE OUTSIDE OF THE TENANT SPACE.
- PLUMBING CONTRACTOR IS RESPONSIBLE TO VERIFY EXACT LOCATION, SIZE, INVERT, AND CONDITION OF EXISTING PIPE ROUTE AND CONFIRM THE CONSTRUCT ABILITY OF PROPOSED SYSTEM PRIOR TO CONSTRUCT. REPORT TO ENGINEER / ARCHITECT FOR ANY DISCREPANCY OBSERVED

SHEET NOTES:

- ◇ (N)4" SW MAIN HEADER RECONNECT TO (E)4" SW RISER DOWN TO FLOOR BELOW. CONTRACTOR TO VERIFY EXACT LOCATION, SIZE, AND CONDITION OF RISER PRIOR TO CONSTRUCT.
- ◇ (N)2" SW MAIN HEADER RECONNECT TO (E)2" SW RISER DOWN TO FLOOR BELOW. CONTRACTOR TO VERIFY EXACT LOCATION, SIZE, AND CONDITION OF RISER PRIOR TO CONSTRUCT. TYPICAL.
- ◇ (E)PLUMBING FIXTURE TO REMAIN. CONTRACTOR TO RECONNECT EXISTING FIXTURE FOR SERVICEABILITY IF SYSTEM IS ALTERED. VERIFY EXACT PIPE ROUTE AT FIELD.
- ◇ (E)SW SERVING (E)FLOOR DRAIN TO REMAIN.

4

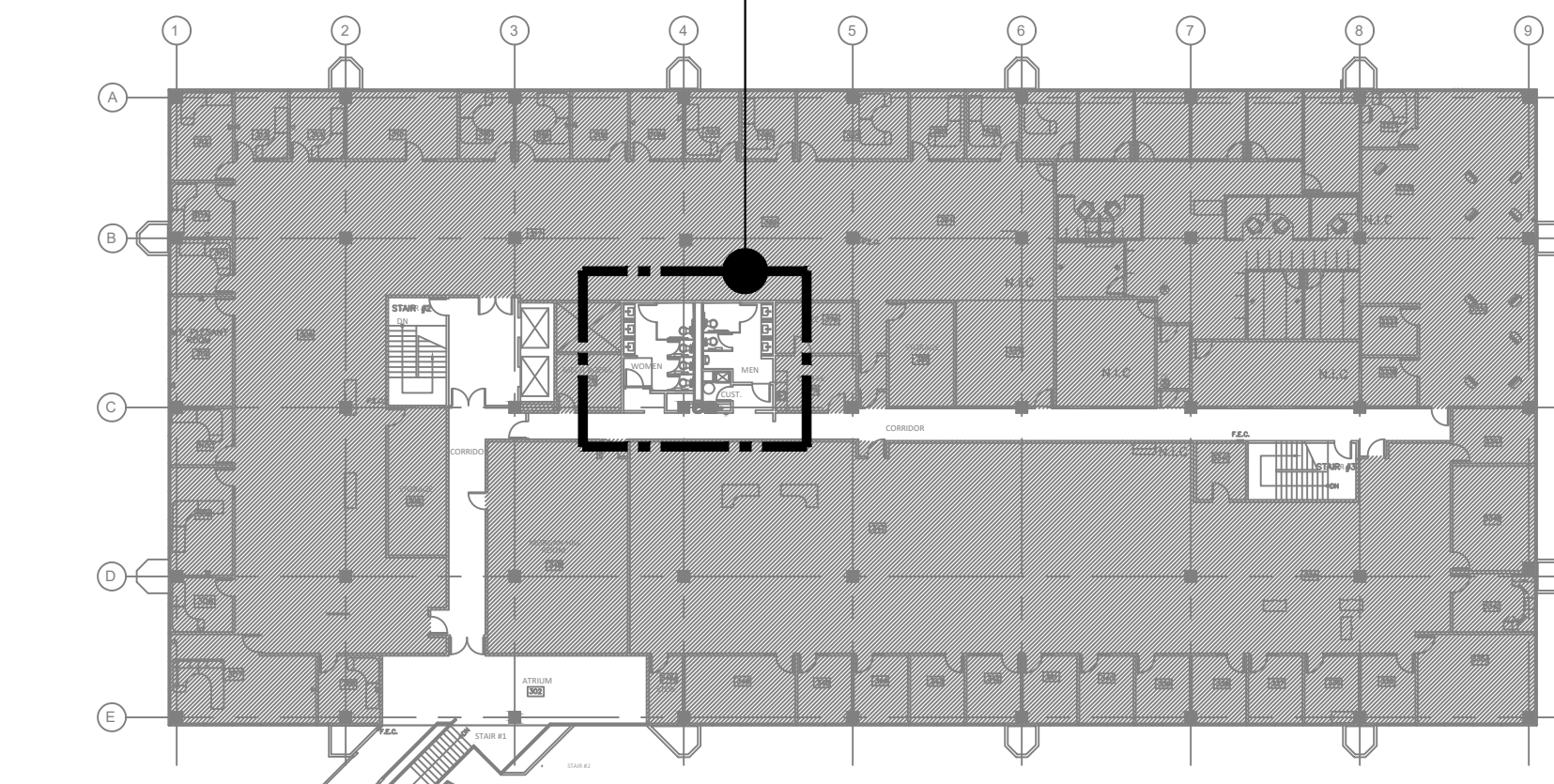


2 3RD FLOOR PLUMBING WASTE AND VENT PIPING PLAN-NEW

SCALE: 3/8" = 1'-0"

Reviewed for Code Compliance
 City of San Jose, Building Division
 Building Electrical
 Plumbing Mechanical
 ROBERT KHALIPA, P.E. (408) 535-7764
 No. 23-114013 Date: 03/01/2024

AREA OF WORK



SITE MAP
 SCALE: N.T.S.