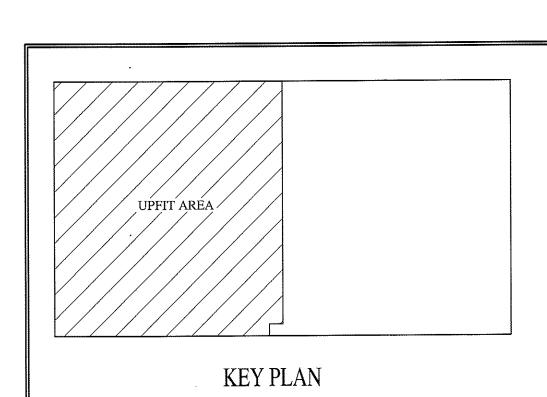
PLUMBING NOTES:

OF CEILING TILES.

- 1. PLUMBING TO BE INSTALLED IN ACCORDANCE WITH ALL STATE AND LOCAL CODES.
- 2. PLUMBING CONTRACTOR TO COORDINATE ALL WORK WITH OTHER TRADES.
- 3. ALL WASTE AND VENT PIPING TO BE SCHEDULE 40 P.V.C.
- 4. WATER LINES TO BE COPPER TYPE K (SOFT DRAWN) BELOW SLAB, AND TYPE L HARD COPPER ABOVE SLAB.
- 5. ALL P.V.C. UNDER SLAB SHALL BE A MINIMUM OF 2" NPS.
- 6. COPPER PIPING TO BE INSULATED WHERE IT PASSES THROUGH CONCRETE.
- 7. CONTRACTOR TO VERIFY NEED FOR BACKFLOW PREVENTER ASSEMBLY (BFPA) WITH LOCAL AUTHORITIES. IF REQUIRED BFPA TO BE 1-1/4" DOUBLE-CHECK TYPE. IF BUILDING BFPA IS INSTALLED, INSTALL EXPANSION TANK OR THERMAL EXPANSION VALVE UPSTREAM OF WATER HEATER. BFPA TO BE MOUNTED 12"-72" A.F.F. AND 6" OF CLEARANCE ON EACH END AND MEET MANUFACTURERS RECOMMENDED ACCESS REQUIREMENTS.
- 8. PLUMBING CONTRACTOR SHALL (OR HAVE LOCAL MUNICIPALITY) PERFORM A WATER PRESSURE TEST. IF RESIDUAL WATER PRESSURE IS MORE THAN 60 PSI OR LESS THÁN 35 PSI, CONTACT ENGINEER TO ASSESS NEED FOR A PRESSURE REDUCING VALVE (PRV) OR A PRESSURE BOOSTER SYSTEM.
- 9. INSULATE HOT & COLD WATER LINES IN ACCORDANCE WITH BUILDING CODE. INSULATE COLD WATER LINES WHERE SWEATING WOULD RESULT IN STRUCTURAL DAMAGE TO BUILDING DUE TO ROTTING OF WOOD OR STAINING
- 10. LAVATORIES ARE TO BE EQUIPPED WITH CLEAN-OUT TEES BELOW.
- 11. ALL FIXTURES ARE TO BE EQUIPPED WITH SHUT-OFF VALVES ON SUPPLY LINES.
- 12. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL PIPING AND EQUIPMENT WITH ALL OTHER TRADES PRIOR TO BEGINNING INSTALLATION TO AVOID CONFLICTS AND INTERFERENCE WITH OTHER TRADES.
- 13. FINAL UTILITY CONNECTIONS (GAS, ELECTRIC, WATER ETC.) TO EQUIPMENT SHALL BE MADE BY THE CONTRACTOR INSTALLING THE EQUIPMENT REQUIRING THE UTILITIES.
- 14. PLANS AND ISOMETRICS ARE DIAGRAMMATIC. THERE IS NO INTENT TO INDICATE ALL AND FITTINGS REQUIRED. GENERALLY, PIPING SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO AND PLUMB WITH WALL CONSTRUCTION.
- 15. SOIL AND WASTE PIPING SHALL BE LAID ON MINIMUM 1/4" PER FT. SLOPE FOR PIPE SIZES LESS THAN 3", AND MINIMUM 1/8" PER FT. FOR PIPE 3" AND LARGER UNLESS OTHERWISE NOTED.
- 16. UNLESS OTHERWISE NOTED, PLUMBING CONTRACT SHALL TERMINATE AT A POINT FIVE (5) FEET OUTSIDE THE BUILDING. FOR WORK BY OTHER CONTRACTORS OUTSIDE THE 5 FOOT TERMINATION, REFER TO SITE UTILITY DRAWINGS.
- 17. VALVES AND DEVICES INSIDE CHASES OR WALLS OR ABOVE NON-ACCESIBLE CEILINGS SHALL BE PROVIDED WITH APPROPRIATELY SIZED ACCESS PANEL COMPATIBLE WITH SURROUNDING FINISHES. SUCH ACCESS PANELS SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR FOR INSTALLATION BY THE GENERAL CONTRACTOR.
- 18. PLUMBING VENT PIPING PENETRATING ROOF SHALL BE INSTALLED BY THE PLUMBING CONTRACTOR. CUTTING OF HOLES AND FLASHING OF PENETRATIONS SHALL BE BY THE GENERAL CONTRACTOR.
- 19. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONED LOCATIONS OF WALLS AND PARTITIONS AND FOR PARTITION THICKNESS AND CONSTRUCTION MATERIALS.



PIPING LEGEND				
SYMBOL	DESCRIPTION			
	SEWER PIPING			
C —	COLD WATER			

GPM=27.7

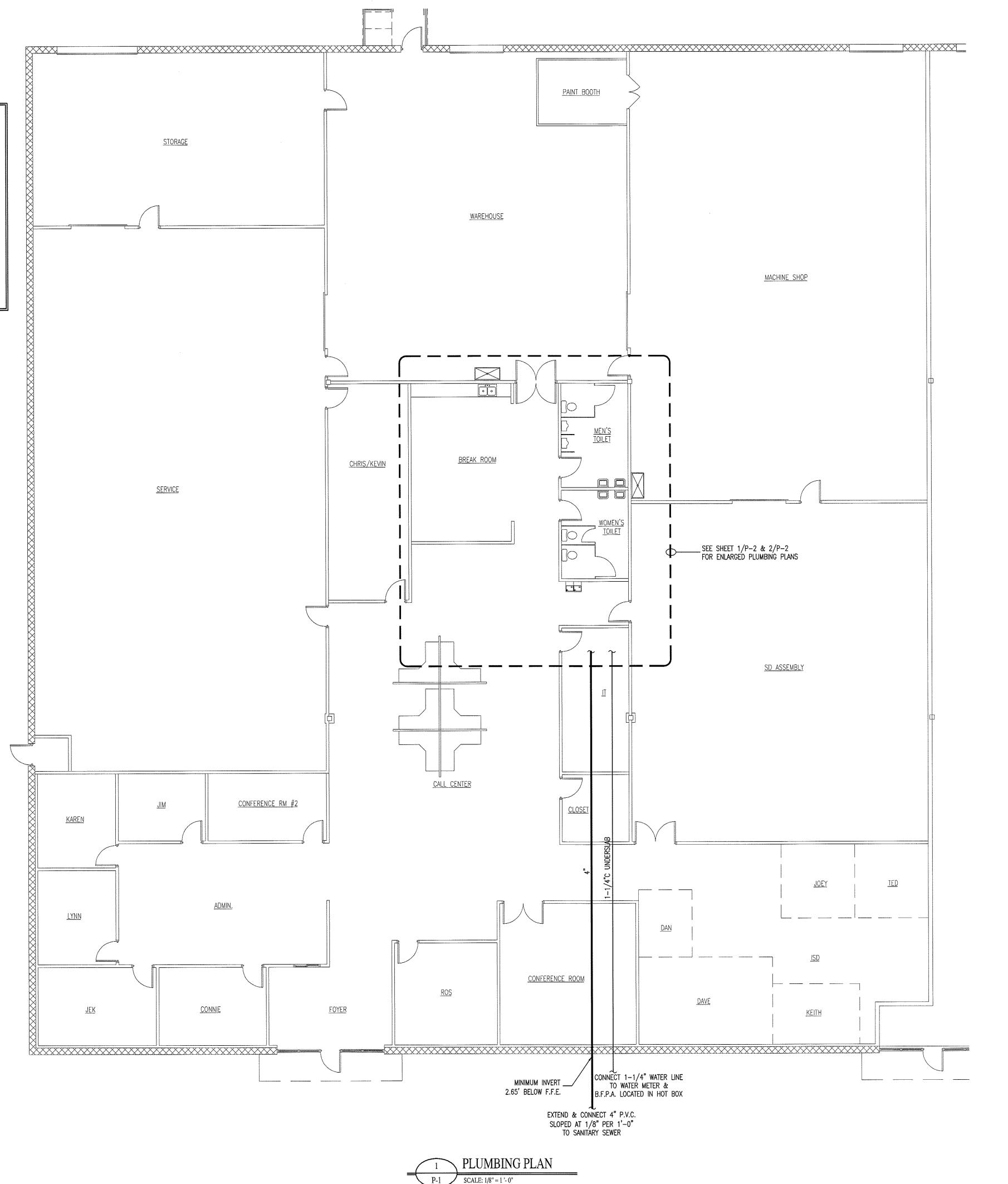
WASTE AND WATER CALCULATIONS									
	QUANTITY	Waste fixture units		HOT WATER FIXTURE UNITS		COLD WATER FIXTURE UNITS		TOTAL WATER FIXTURE UNITS	
FIXTURE TYPE		PER UNIT	TOTAL	PER UNIT	TOTAL	PER UNIT	TOTAL	per unit	TOTAL
WATER CLOSET — TANK	3	4	12	0	0	5	15	5	15
URINAL	2	4	8	0	0	5	10	5	10
LAVATORY	4	1	4	1.5	6	1.5	6	2	8
DRINKING FOUNTAIN	1	0.5	0.5	0	0	0.25	0.25	0.25	0.25
SINK	1	2	2	1	1	1	1	1.4	1.4
ICE MAKER BOX	1	0	0	0	0	0.25	0.25	0.25	0.25
UTILITY SINK	2	2	4	2.25	4.5	2.25	4.5	3	6
TOTAL			30.5		11.5		37		40.90

1. 4" WASTE LINE SLOPED AT 1/8" PER 1'-0" IS ADEQUATE FOR 180 FIXTURE UNITS

2. 1-1/4" WATER LINE IS ADEQUATE FOR 39 GPM.

	PLUMBING FIXTURE SCHEDULE							
			CONNECTION SIZES			S	DEMOVO	
ITEM NO.	EM NO. FIXTURE DESCRIPTION	MANUFACTURER	* MODEL NO.	C.W.	H.W.	WASTE	VENT	REMARKS
EWC-1	ELECTRIC WATER COOLER — BI-LEVEL	SUNROC	ADAD8BL	1/2"		1-1/2"	1-1/2"	BI-LEVEL WATER COOLER
<u>WC-1</u>	WATER CLOSET — TANK TYPE	AMER. STD.	2998.012	1/2"		4"	2"	FLOOR MTD. 1.6 GAL/FLUSH, H.C. HEIGHT
<u>₩C−2</u>	WATER CLOSET — TANK TYPE	AMER. STD.	2898.012	1/2"	·	4"	2"	FLOOR MTD. 1.6 GAL/FLUSH, STANDARD HEIGHT
<u>UR-1</u>	URINAL	AMER. STD.	6541.132	3/4"		2"	2"	1.0 GAL/FLUSH, H.C. HGT, SLOAN 186-1 FL. VALVE
<u>LV-1</u>	WALL HUNG LAVATORY	AMER. STD.	0355.012	1/2"	1/2"	1-1/2"	1-1/2"	SINGLE LEVER FAUCET, TRUEBRO PIPING COVERS
<u>SK-1</u>	DOUBLE COMPARTMENT SINK	STERLING	PR033226	1/2"	1/2"	1-1/2"	1-1/2"	SINGLE LEVER FAUCET, TRUEBRO PIPING COVERS (WHERE PIPING IS EXPOSED)
<u>US-1</u>	utility sink	FIAT	FL-1	1/2"	1/2"	2"	1-1/2"	MTD. ON LEGS
<u>IB-1</u>	ICE MAKER BOX	PPP	мм-500-мімВ	1/2"				MIP VALVE WITH SHOCK ARRESTOR
FCO	FLOOR CLEAN OUT	ZURN	Z-1400					SIZE DETERMINED UPON WASTE PIPE

* FIXTURE MODEL NUMBERS LISTED ARE FOR DESCRIPTION ONLY.



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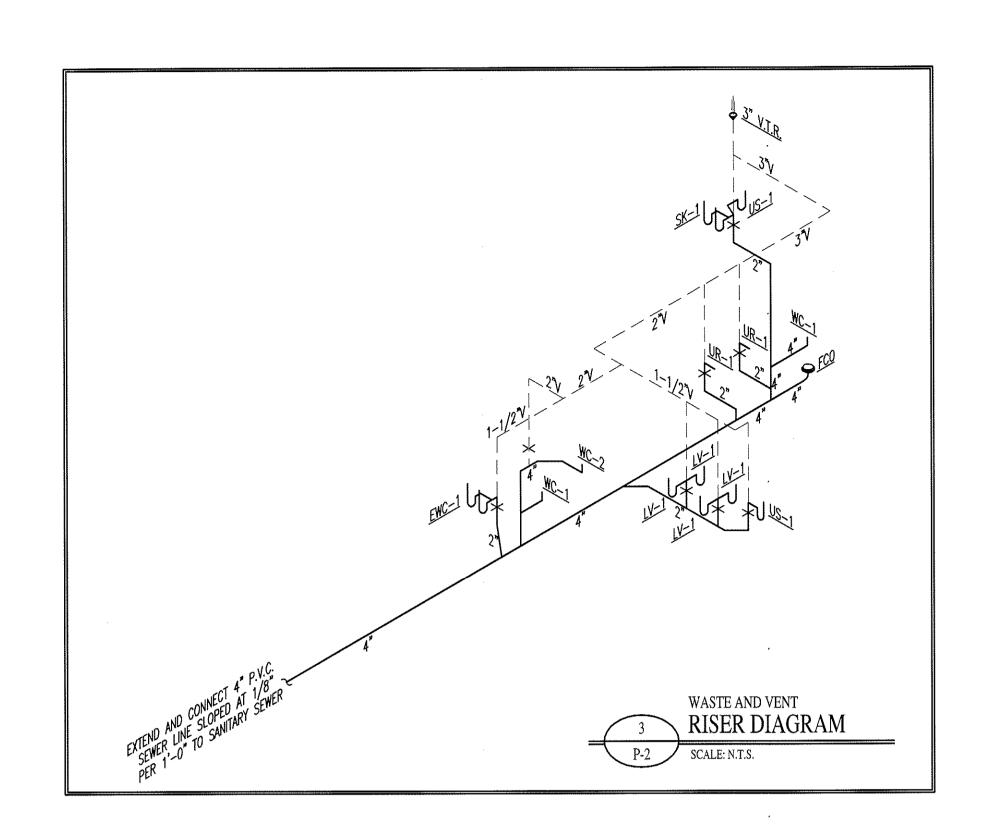
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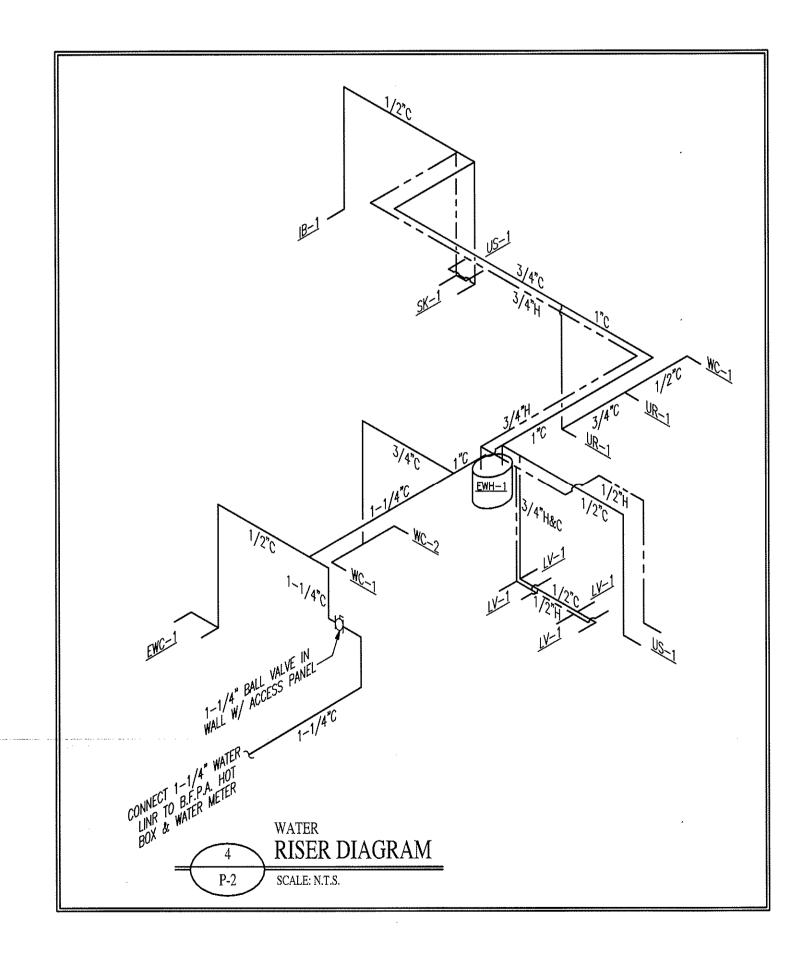
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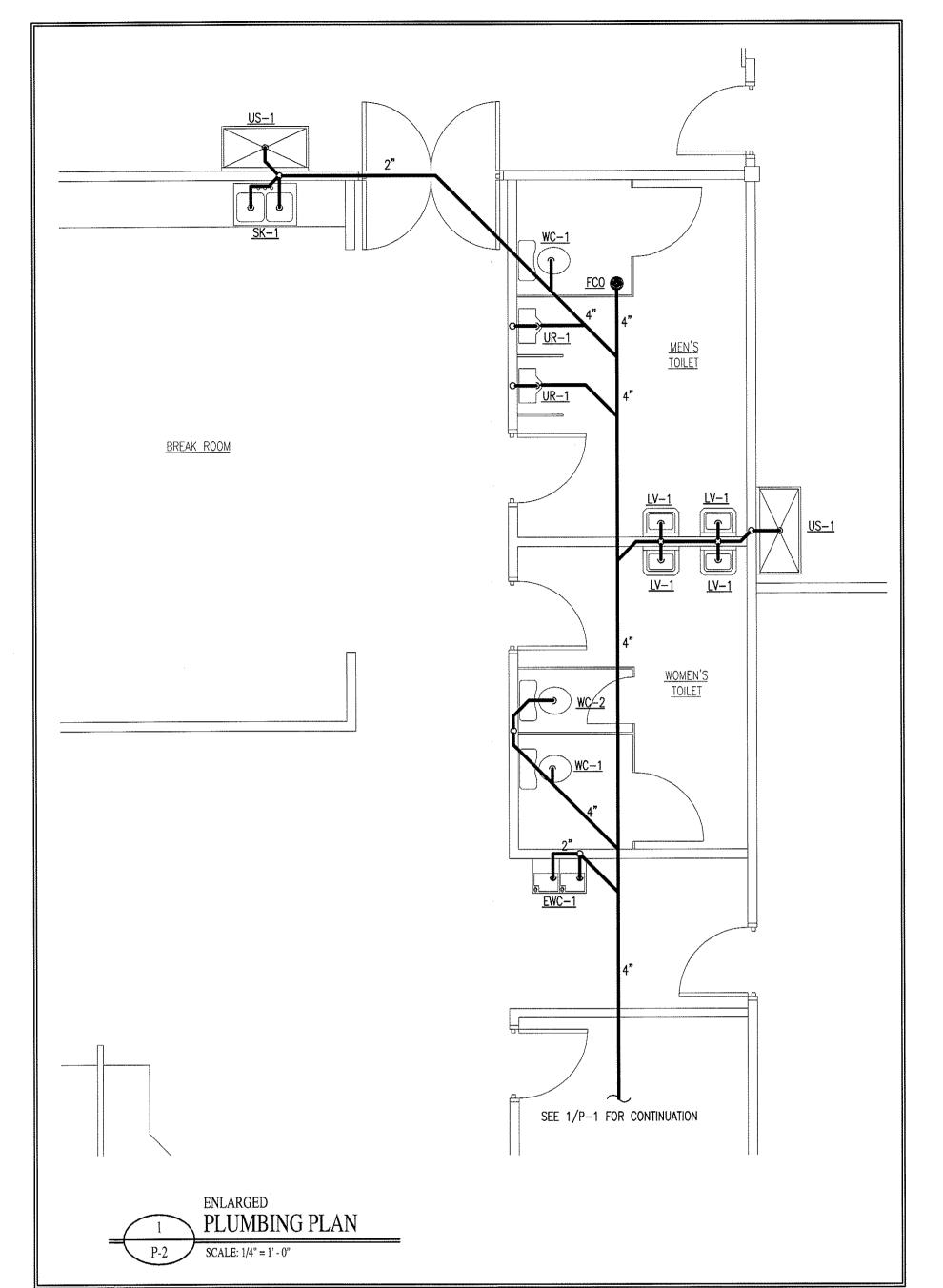
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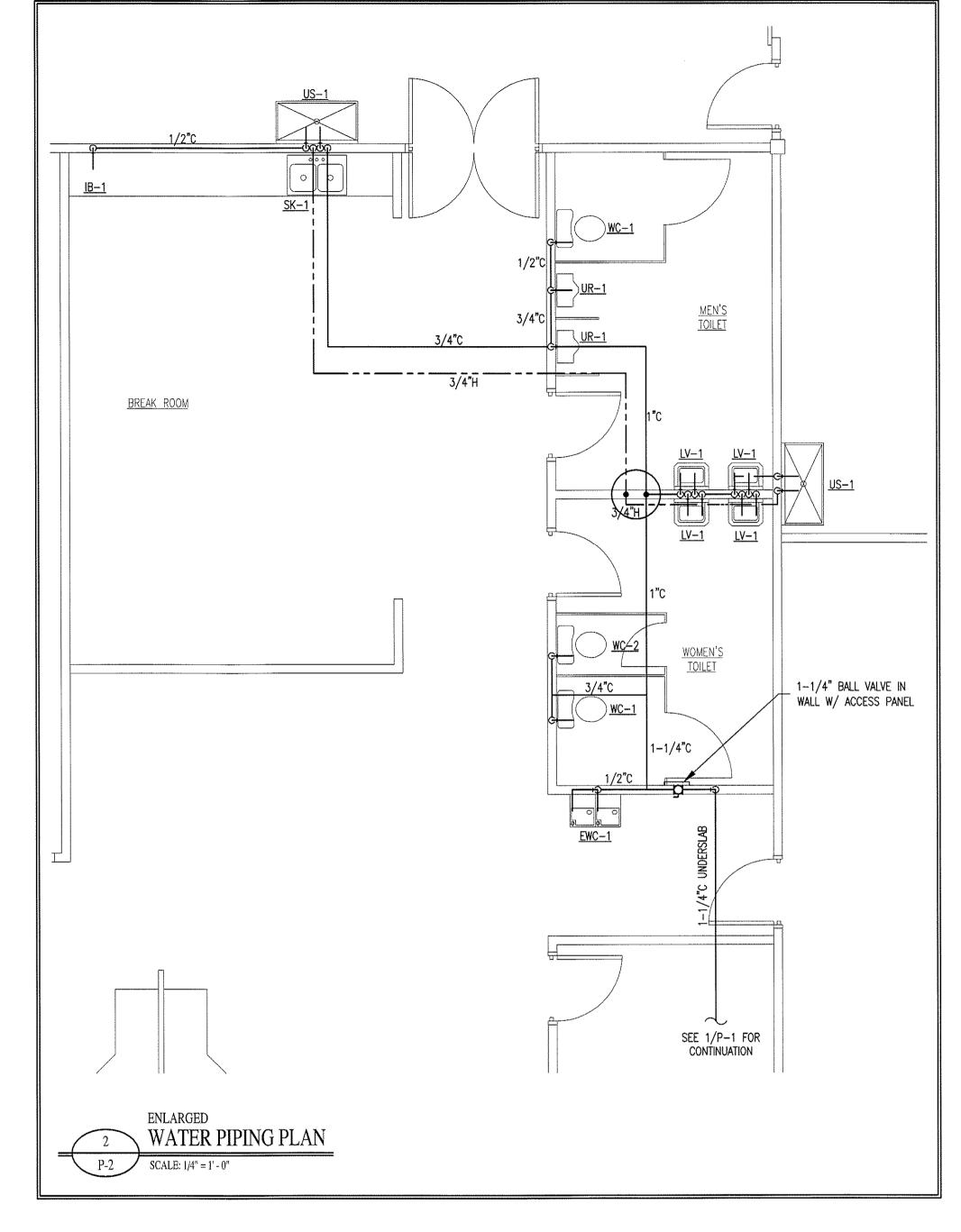
DRAWING NAME PLUMBING PLAN

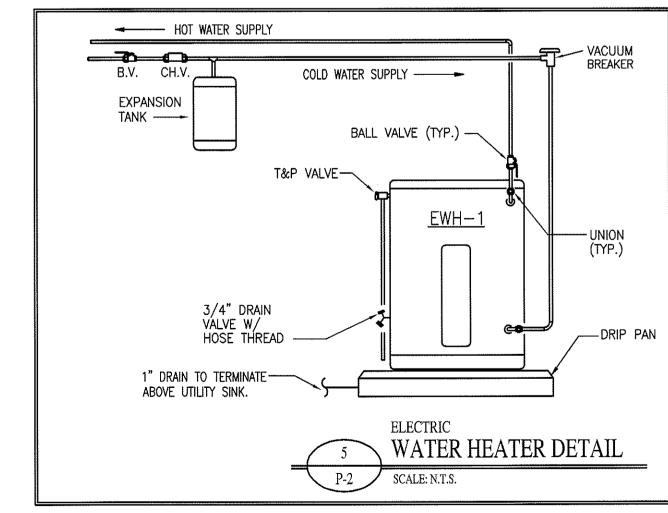
SCALE AS NOTED JOB NO. 9024

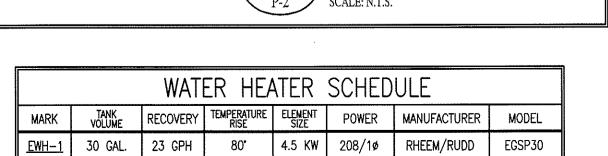




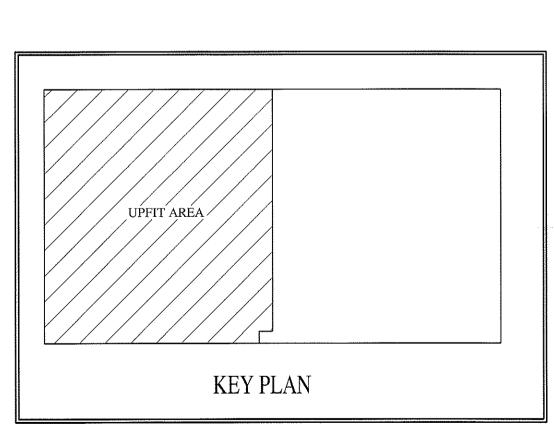


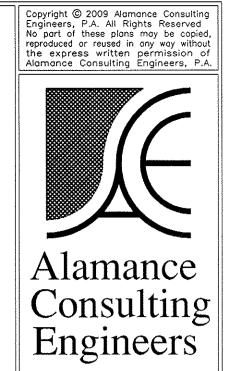












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TENANT UPFIT FOR:

DRAWING NAME PLUMBING DETAILS

₩/1/09 SCALE AS NOTED JOB NO. 9024