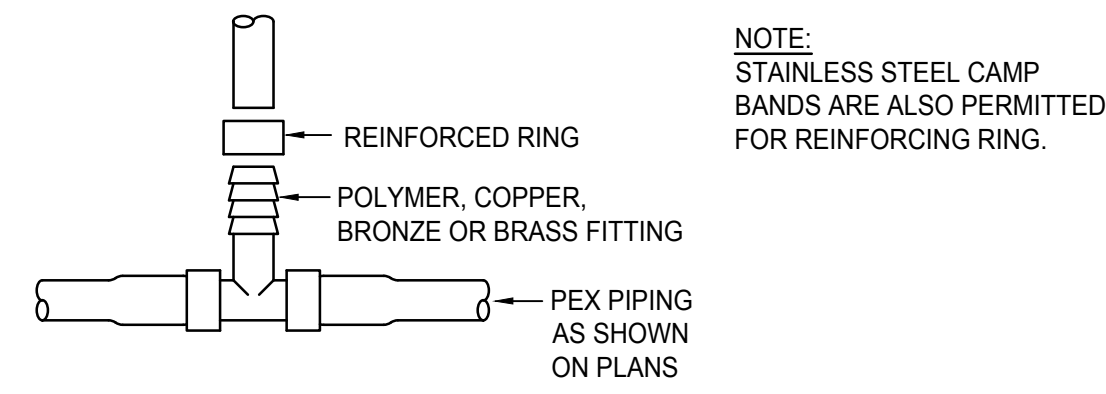


THIS TYPE (COLD EXPANSION) OF FITTING REQUIRES THAT THE PEX PIPING, WITH REINFORCING PEX RING PLACED OVER THE END OF THE PIPE, IS EXPANDED BEFORE THE FITTING IS INSERTED INTO THE PIPE END. THE EXPANDED PIPE END IS ALLOWED TO RETRACT ONTO THE FITTING TO FORM THE SEAL. THE MEMORY OF THE PIPE ALLOWS IT TO TIGHTEN OVER THE FITTING. AN EXPANDER TOOL IS REQUIRED TO EXPAND THE PIPE AND THE PEX RING TOGETHER.

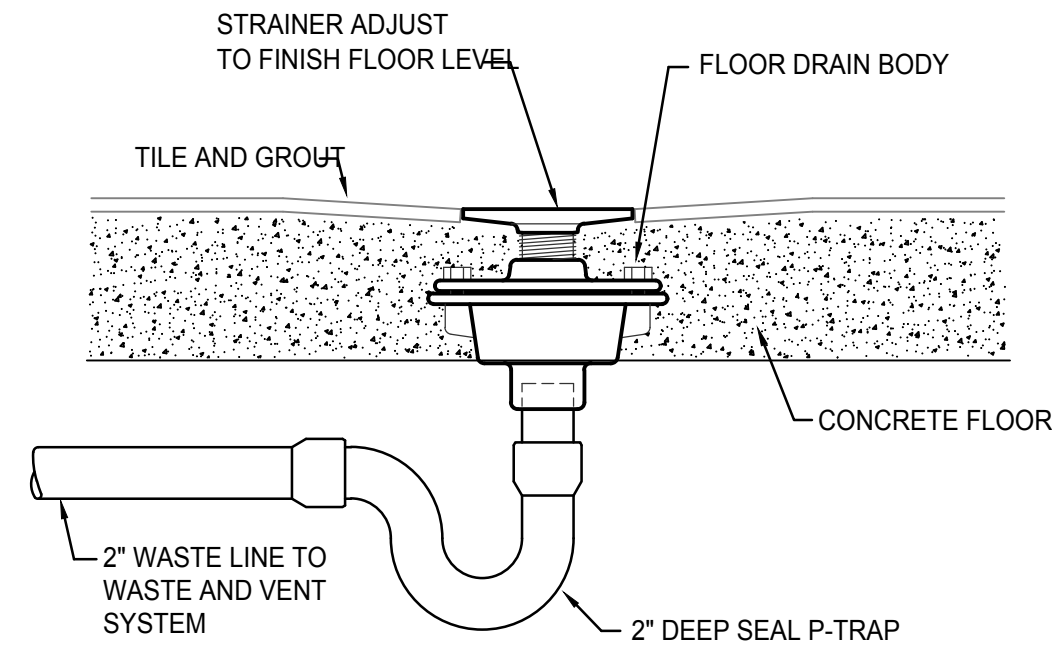
ALL JOINTS (TEES, ELBOWS, COUPLINGS, ETC.) ARE JOINTED SIMILARLY.



**PEX PIPE FITTING DETAILS**

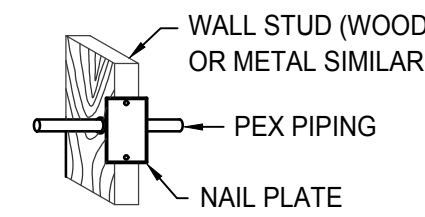
NO SCALE

NOTE: STAINLESS STEEL CAMP BANDS ARE ALSO PERMITTED FOR REINFORCING RING.



**FLOOR DRAIN IN CONCRETE FLOOR**

NO SCALE



**WALL INSTALLATION**

PIPE SUPPORTS: PLASTIC HANGERS AND STRAPS ARE RECOMMENDED, BUT METAL SUPPORTS WHICH ARE DESIGNED FOR USE WITH PLASTIC TUBING CAN BE USED.

DO NOT USE SUPPORTS THAT PINCH OR CUT THE TUBING. SUPPORT SHOULD ALLOW FREE TUBING MOVEMENT.

INSPECT ALL SUPPORTS PRIOR TO INSTALLATION TO ENSURE THAT SHARP EDGES DO NOT EXIST THAT CAN DAMAGE THE TUBING.

DO NOT USE IN ANY APPLICATION WHERE TUBING WILL BE EXPOSED TO DIRECT SUNLIGHT.

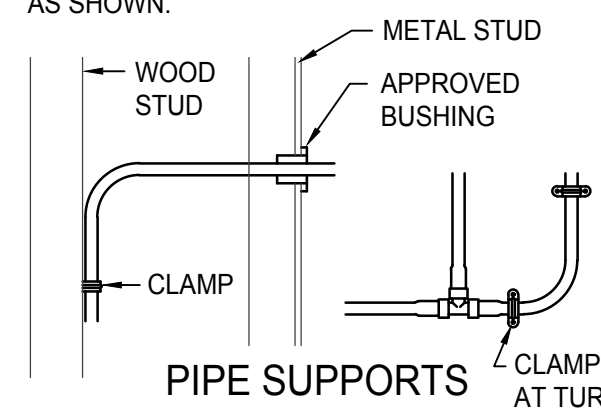
**PEX PIPE INSTALLATION DETAILS**

NO SCALE

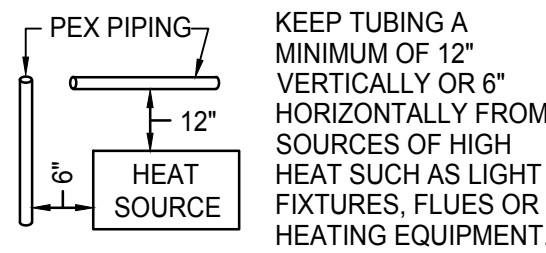
VERTICAL TUBING TO BE SUPPORTED EVERY 8'-0"

WHEN PENETRATING METAL STUDS, UTILIZE A BUSHING DESIGNED FOR PLASTIC TUBING.

SUPPORTS SHALL BE INSTALLED AT CHANGES IN DIRECTION TO RELIEVE STRESS AS SHOWN.



**PIPE SUPPORTS**

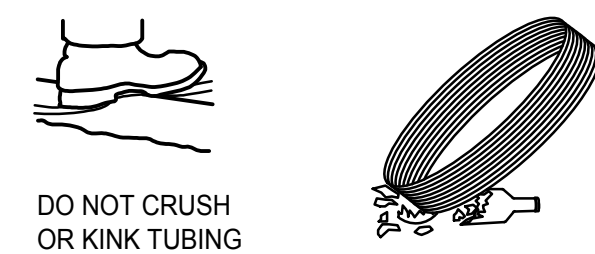


**MIN. CLEARANCES**

TUBING SIZE	MIN. RADIUS BENDING
3/8"	4"
1/2"	5"
3/4"	7"
1"	9"

KEEP TUBING A MINIMUM OF 12" VERTICALLY OR 6" HORIZONTALLY FROM SOURCES OF HIGH HEAT SUCH AS LIGHT FIXTURES, FLUES OR HEATING EQUIPMENT.

NOTE: USE ONLY CONTINUOUS LENGTH TUBING (NO FITTINGS) WHEN INSTALLING PEX UNDER OR WITHIN A SLAB. PROTECT PEX TUBING WITH NONMETALLIC SLEEVES WHERE IT PENETRATES A SLAB OR FOUNDATION WALL.



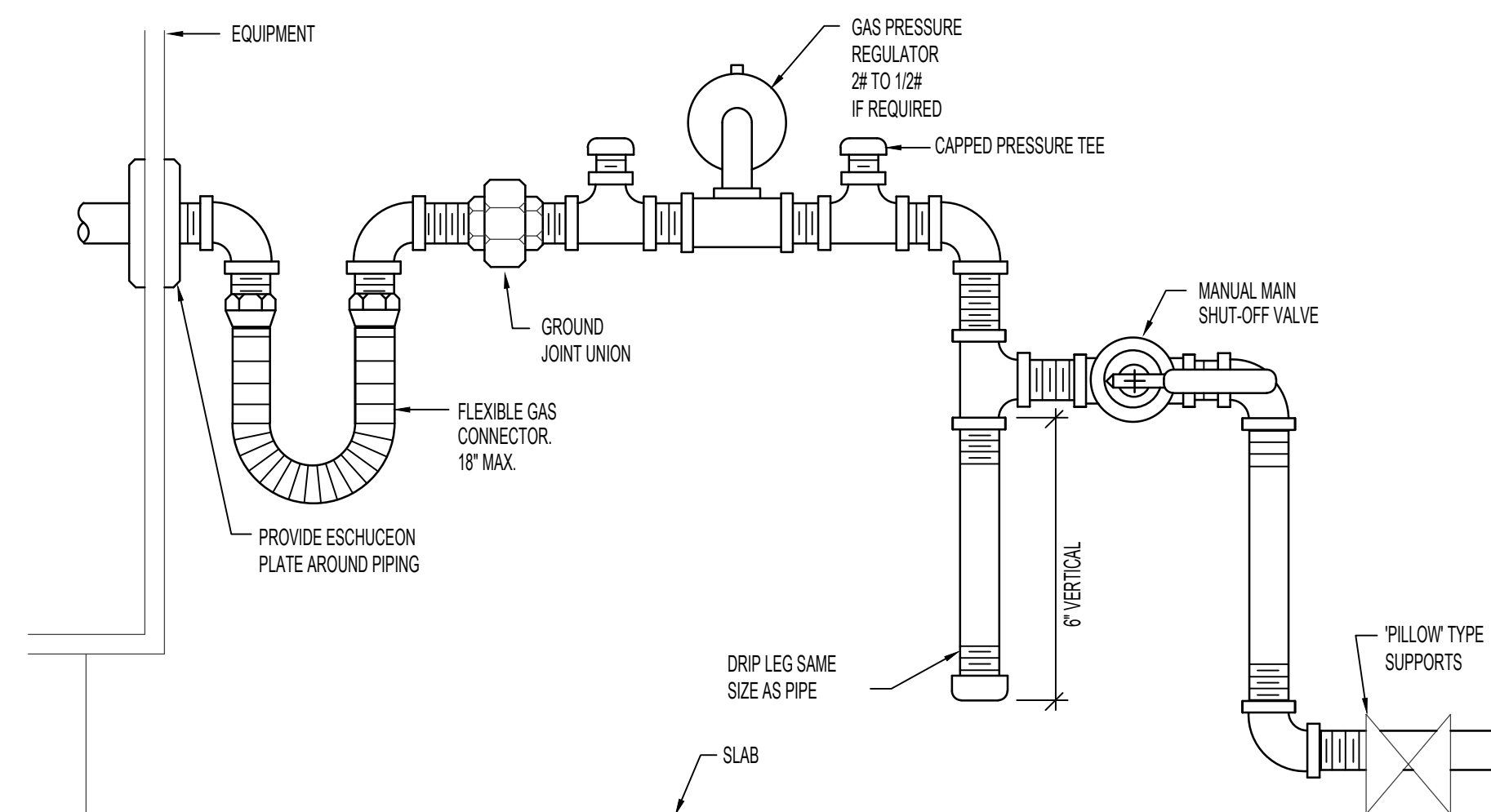
DO NOT CRUSH OR KINK TUBING

DO NOTE DRAG TUBING OVER ROUGH TERRAIN, ROCKS, OR ANY SURFACE THAT CAN CUT, PUNCTURE OR DAMAGE TUBING WALL.

TUBING AND FITTINGS SHALL BE STORED UNDERCOVER FOR CLEANLINESS AND TO AVOID EXPOSURE TO SUNLIGHT. CONSULT MANUFACTURER FOR RECOMMENDED LIMITS TO OUTSIDE STORAGE.

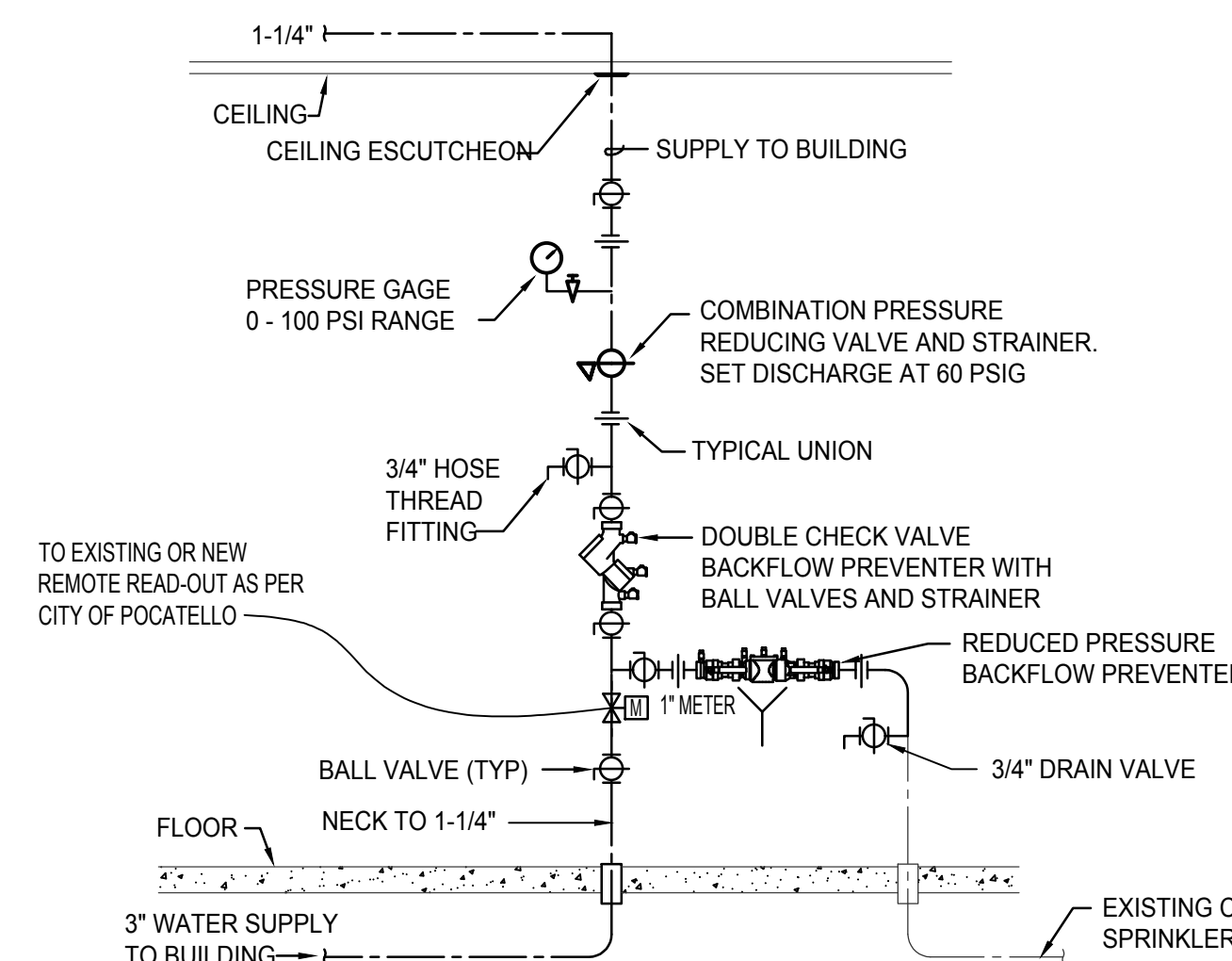
**PEX PIPE HANDLING DETAILS**

NO SCALE



**ROOF TOP GAS PRESSURE REGULATOR DETAIL**

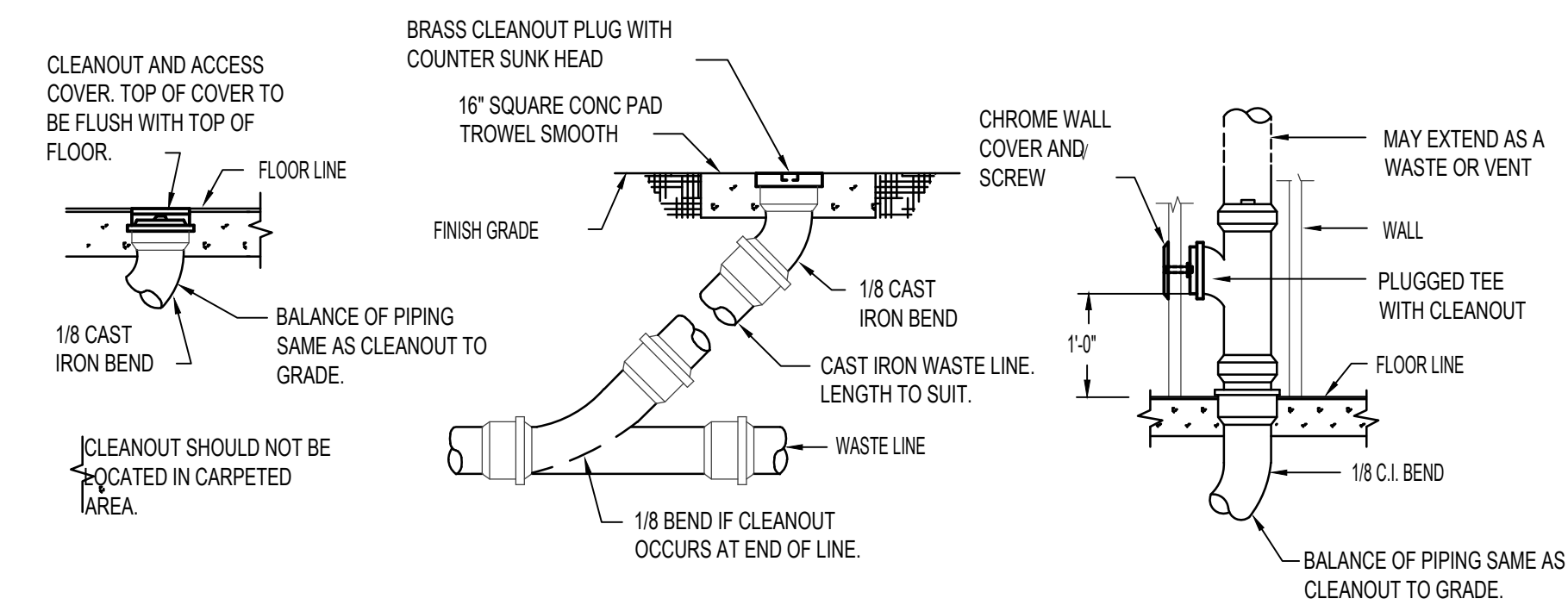
NO SCALE



**VERTICAL WATER PRESSURE REDUCING STATION**

NO SCALE

FIXTURE SCHEDULE					
SYM.	DESCRIPTION	HOT	COLD	WASTE	VENT
FD-1	2" FLOOR DRAIN - ZURN Z-415 WITH 5"Ø NICKEL-BRONZE STRAINER AND 2" DEEP SEAL P-TRAP.	--	--	2"	2"
FD-2	2" FLOOR DRAIN STRAINER - NICKEL-BRONZE STRAINER TO MATCH EXISTING DRAIN	--	--	2"	2"
L-1	ADA WALL HUNG LAVATORY - KOHLER K-2031-0 "GREENWICH" WITH WALL CARRIER, MOEN 8430 FAUCET & WATTS SERIES LFUSG-B MIXING VALVE, K-7715 OPEN GRID STRAINER WITH OFFSET WASTE LINE, 1/2" STOPS AND 1-1/4" P-TRAP. PROVIDE INSULATING JACKET ON HW AND WASTE PIPING.	1/2"	1/2"	1-1/2"	1-1/2"
L-2	ADA COUNTERTOP LAVATORY - KOHLER MODEL K-2905-1-0 SELF-RIMMING "FARMINGTON" WITH MOEN 8430 FAUCET & OPTIONAL MIXING VALVE K-13601, K-7715 OPEN GRID STRAINER, 1/2" BALL STOPS AND 1-1/4" P-TRAP. PROVIDE INSULATING JACKET ON HW & DRAIN UNDER LAVATORY.	1/2"	1/2"	1-1/2"	1-1/2"
WC-1	ADA TANK TYPE WATER CLOSET - KOHLER K-3658 "HIGHLINE" W/ ELONGATED BOWL, K-4670-C WHITE OPEN FRONT SEAT, BOLT CAPS AND 1/2" STOP VALVE. LEFT OR RIGHT FLUSH VALVE AS PER PLANS.	--	1/2"	4"	2"
S-1	SINGLE COMPARTMENT SINK - ELKAY MODEL LR-2219 WITH 18 GA TYPE 304 STAINLESS STEEL CONSTRUCTION, 1-HOLE FAUCET DRILLINGS, ELKAY LK1000CR FAUCET, LK-99 STRAINER, 1-1/2" P-TRAP AND 1/2" BALL TYPE STOP VALVES.	1/2"	1/2"	1-1/2"	1-1/2"



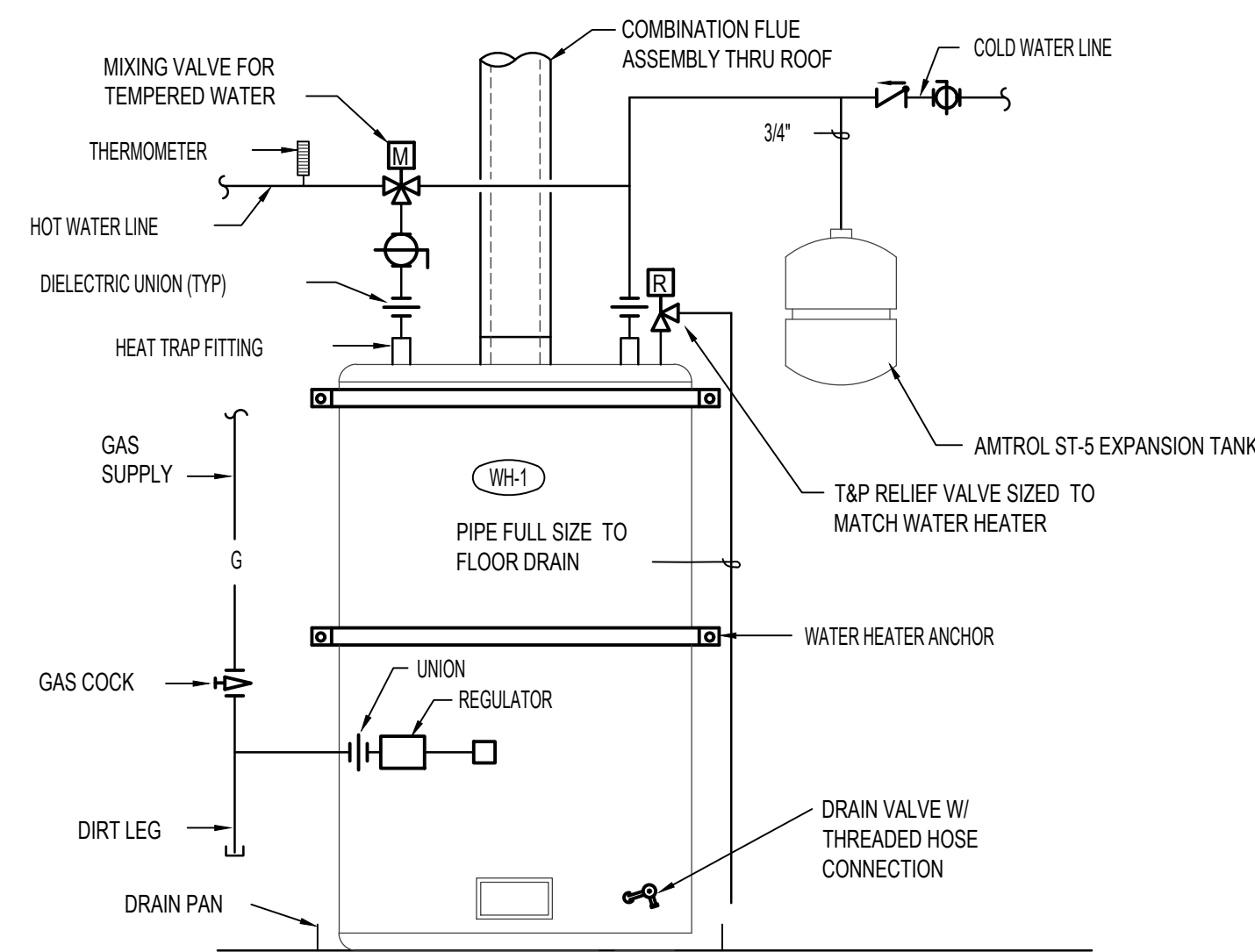
**FLOOR CLEANOUT (FCO)**

**CLEANOUT TO GRADE (COTG)**

**WALL CLEANOUT (MCO)**

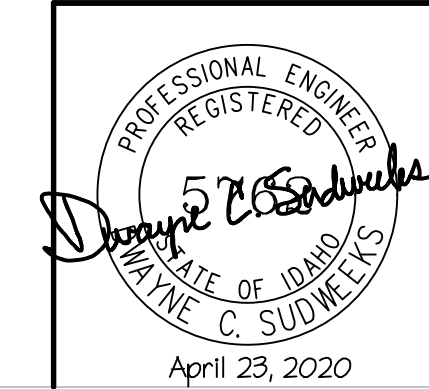
**CLEAN OUT DETAILS**

NO SCALE



**GAS FIRED WATER HEATER PIPING DIAGRAM**

NO SCALE



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PLUMBING DETAILS AND SCHEDULES

**P-201**

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**HACP OFFICES**

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