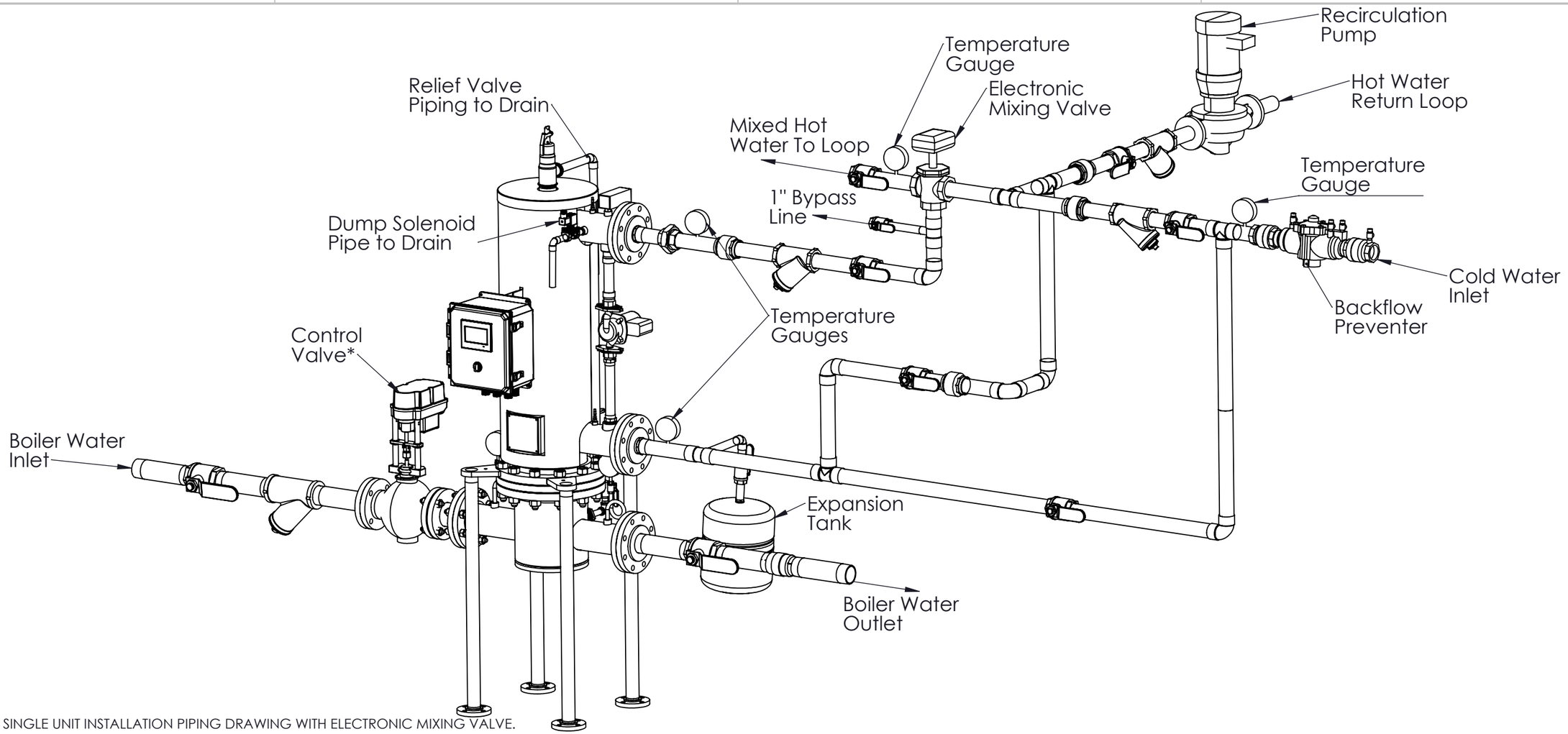


NOTES:

1. THIS IS A TYPICAL SINGLE UNIT INSTALLATION PIPING DRAWING WITH ELECTRONIC MIXING VALVE. CONSULT LOCAL CODES AND AUTHORITIES.
2. REFER TO APPROPRIATE DIMENSIONAL DRAWING OF UNIT FOR ACTUAL SIZE AND LOCATION DIMENSIONS OF PIPING AND OTHER CONNECTIONS.
3. RELIEF VALVE SHALL BE INSTALLED TO SAFE DRAIN ACCORDING TO APPROPRIATE PLUMBING CODES.
4. SHELL DRAIN AND CONDENSATE SHALL DRAIN FREELY BY GRAVITY.
5. PIPING CONNECTIONS TO THE UNIT SHALL BE PROVIDED WITH UNIONS OR FLANGES MAINTAINING ENOUGH CLEARANCES FOR SERVICE. DIELECTRIC FITTINGS ARE SUGGESTED TO MAKE CONNECTIONS BETWEEN DISSIMILAR METALS TO PREVENT GALVANIC CORROSION.
6. *ITEMS INCLUDED IN SHIPMENT WITH UNIT FOR FIELD INSTALLATION.
7. HOSE CONNECTION ON THE UNIT OUTLET IS UTILIZED DURING STARTUP CALIBRATION AND CLEANING.
8. A CHECK VALVE MAY BE UTILIZED IN PLACE OF BACKFLOW PREVENTER IF PERMITTED BY LOCAL CODES.
9. PIPING INSTALLATION COMPONENTS ARE SUPPLIED BY OTHERS IN THE FIELD.
10. MIXING VALVE SHOULD NOT BE INSTALLED WITHIN 20 FEET OF WATER HEATER OUTLET CONNECTION.
11. WHEN STEAM INLET PRESSURE IS HIGHER THAN REQUIRED, A PRESSURE REGULATING VALVE SHALL BE PROVIDED BEFORE STEAM INLET TO CONTROL VALVE.
12. EXPANSION TANK SHALL BE INSTALLED WHEN BUILDING RECIRCULATION PIPING IS EMPLOYED
13. **MAIN DISTRIBUTION PUMP SHOULD BE SIZED FOR 20% OF THE MAX FLOW OR THE MINIMUM FLOW REQUIREMENTS OF THE EMV, WHICHEVER IS GREATEST**
14. 1" BYPASS LINE TO BE INSTALLED FROM HOT WATER OUTLET TO EMV MIXED OUTLET TO ALLOW THERMAL RELIEF NEEDED WITH STEAM OR HTHW FIRED WATER HEATERS.

DIMENSIONS ARE SHOWN IN INCHES [CENTIMETERS]
TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED

X.XX	X.XXX	X.XXXX	ANGULAR	FINISH
± .12	± .031	± .0156	±1.0°	250

REMOVE AND DEBURR SHARP EDGES AND CORNERS
ALL DIMENSIONS ARE AFTER FINISH OR PLATING
REFERENCE DIMENSIONS ARE SHOWN IN PARENTHESES ( )
CRITICAL DIMENSIONS ARE SHOWN IN ⬭

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THIRD ANGLE PROJECTION	DWG. SCALE	MATERIAL SPEC:
	1:16	

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TITLE
PIPING & INSTALL DRAWING ST VERTICAL WATER TO WATER WITH ELECTRONIC MIXING VALVE

	NAME	DATE	DWG#	REV
DRAWN BY	JH	9/25/26		A
CHECKED BY			SHEET 1 OF 1	