



- NOTES:
1. THIS IS A TYPICAL INSTALLATION PIPING DRAWING. 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 AND SOLENOID VALVE PIPING 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 (NOT SHOWN HERE AND REFER TO SEPARATE DRAWING) 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. INSTALL AQUASTAT/TEMP. SWITCH IN LOWER 1/3 OF THE TANK WHICH IS USED TO ENABLE/DISABLE THE PUMP.
 14. PUMP SHALL BE SIZED FOR HEATERS FLOW RATE CAPACITY.
 15. USE BALANCING VALVES TO BALANCE THE FLOW THROUGH ALL UNITS IF THE PIPING ARRANGEMENT IS NOT REVERSE RETURN.
 16. STRATIFIED STORAGE TANK MUST INCLUDE DISPERSION TUBE OR BAFFLE ON INLET FOR STRATIFICATION.
 17. INSTALL VACUUM BREAKER ON THE TANK WHEN REQUIRED BY LOCAL CODES.



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PIPING INSTALLATION DRAWING
 VSIS SUPERTHERM WATER HEATERS
 MULTIPLE UNIT WITH A STRATIFIED STORAGE TANK

	NAME	DATE	DWG.#	REV
DRAWN BY	SS	09/06/17	S-14	A
CHECKED BY	OA	09/07/17		