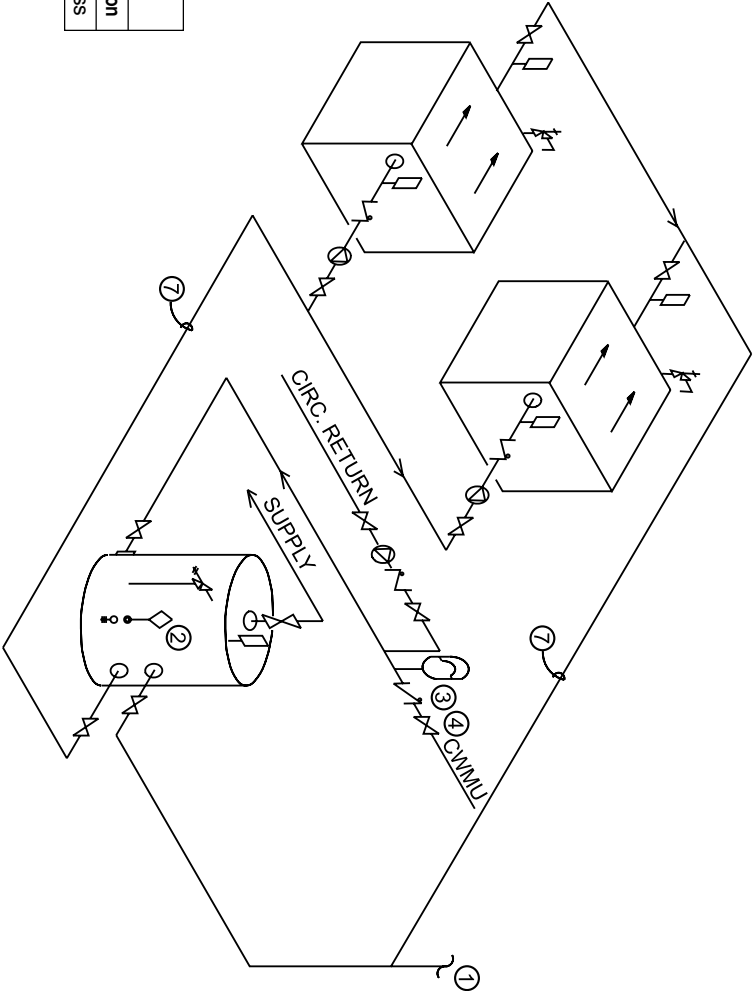


TWO HEATERS, SINGLE PASS WITH VERTICAL TANK

Heater Connection Pipe Sizing and Heat Exchanger Configuration		
Heater Model	Pipe Size (NPS)	Configuration
2800-5000	4	Single Pass



- NOTES:**
1. Optional CWMU & Recirc. line location
 2. When using intermittent pump and EM² locate remote aquastat well in lower 1/3 of tank with heat sensing compound.
 3. Back flow preventer may be required, check local codes.
 4. Thermal expansion tank may be required, check local codes.
 5. This drawing depicts a one-pass heat exchanger.

6. **CAUTION: PUMP SIZING MUST BE BASED UPON WATER HARDNESS AT JOB SITE.**
7. Common piping must be sized for maximum combined heater flow.

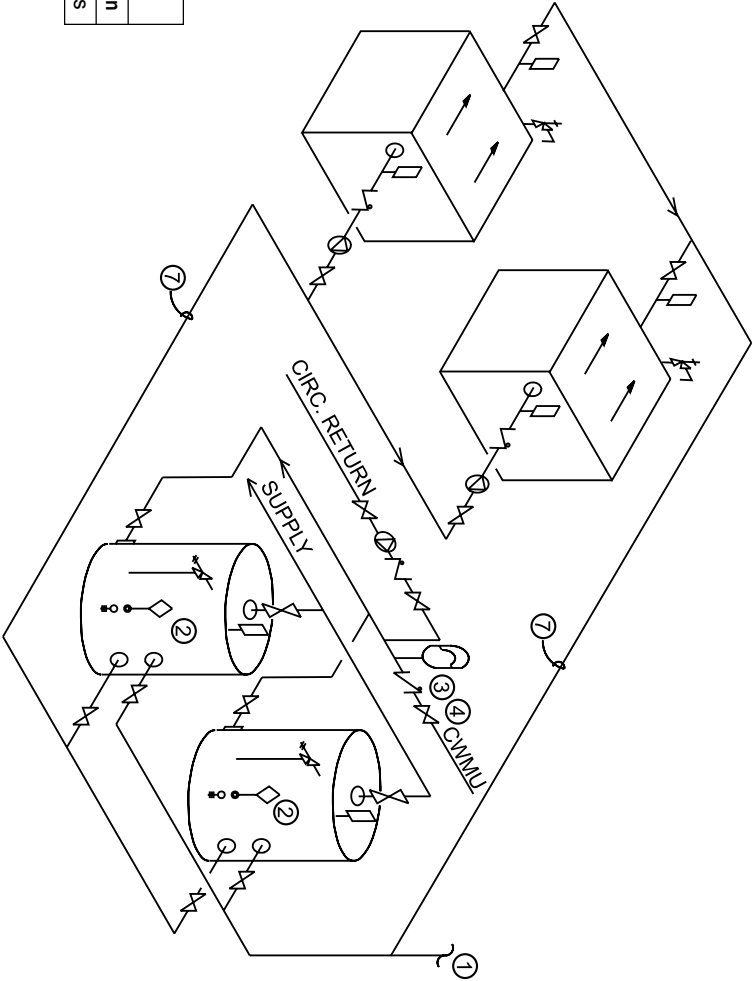
⚠WARNING
This drawing shows suggested piping configuration and valving. Check with local codes and ordinances for additional requirements.

KEY	
Water Category Grain Hardness Per Gallon	
S = Soft	1 Through 7.5
N = Normal	7.6 Through 17
H = Hard	Over 18
P.P.M. 17.1 = Grains Hardness Per Gallon	

PUMP	VALVE	GLOBE VALVE	CHECK VALVE	PRESSURE REDUCING VALVE	3-WAY VALVE	TEMPERATURE SENSOR	THERMOMETER	EXPANSION TANK	PRV	TPRV

TWO HEATERS, SINGLE PASS WITH VERTICAL TANKS

Heater Connection Pipe Sizing and Heat Exchanger Configuration		
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