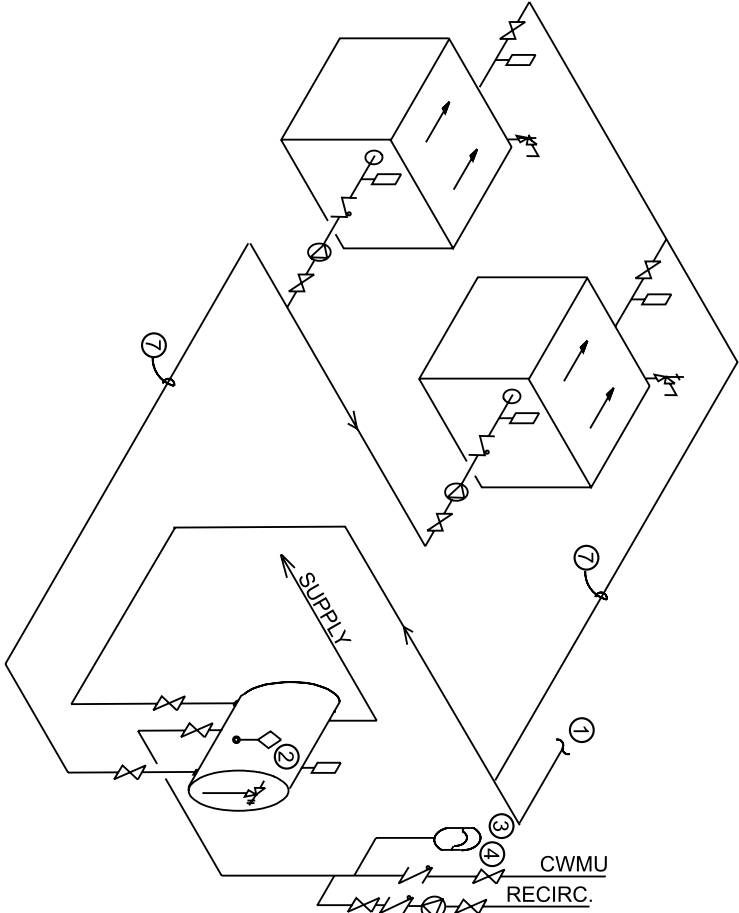


TWO HEATERS, SINGLE PASS WITH HORIZONTAL TANK

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



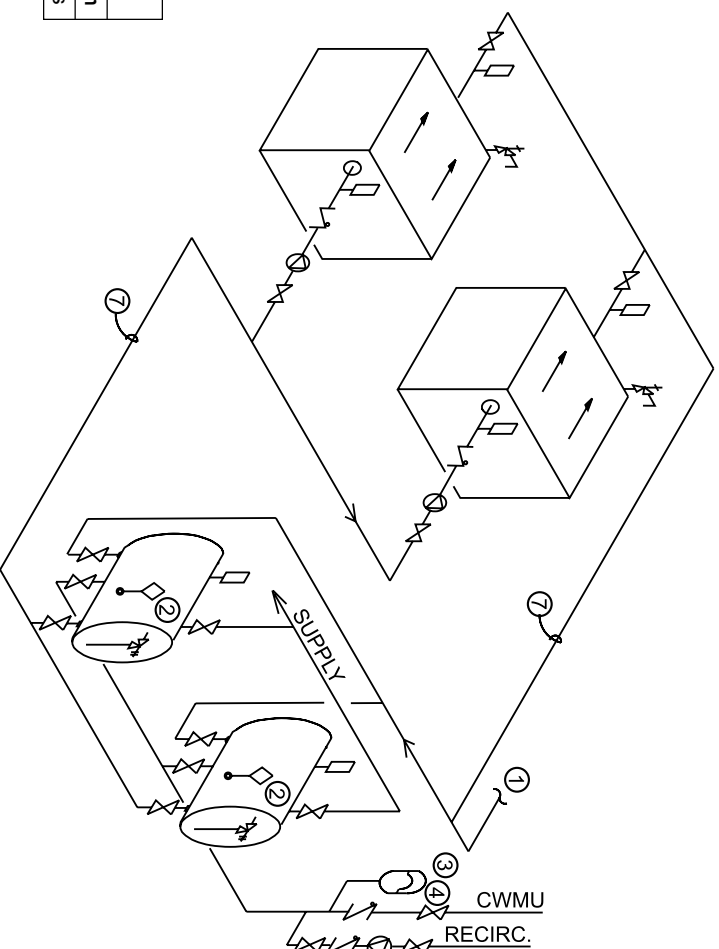
PRV



TPRV

TWO HEATERS, SINGLE PASS WITH HORIZONTAL TANKS

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.

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PUMP



VALVE



GLOBE VALVE



CHECK VALVE



PRESSURE REDUCING VALVE



3-WAY VALVE



TEMPERATURE SENSOR



THERMOMETER



EXPANSION TANK



PRV



TPRV