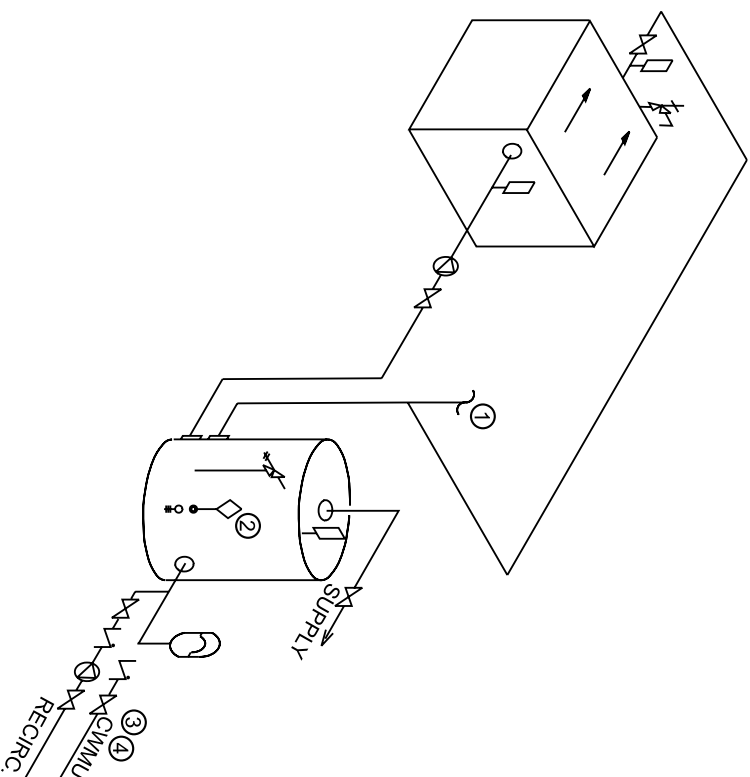


ONE HEATER, SINGLE PASS WITH VERTICAL TANK

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.**

⚠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

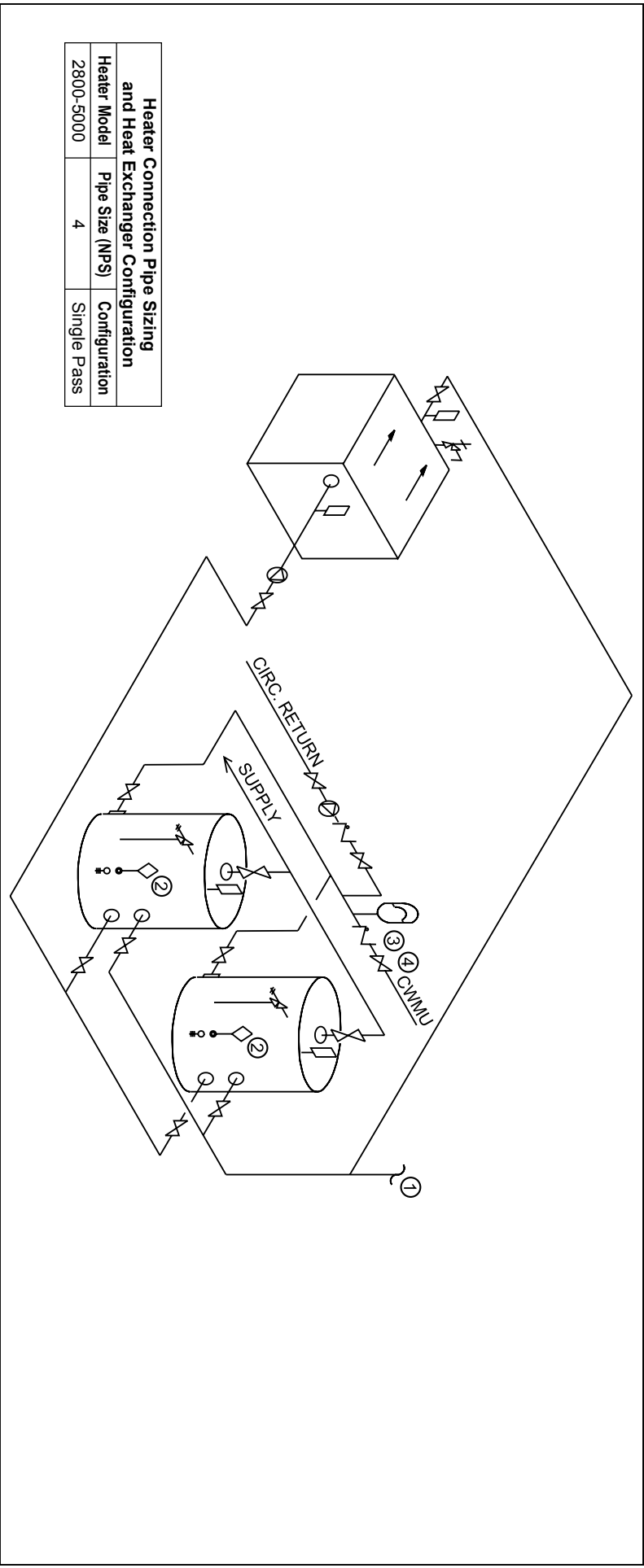


PRV



TPRV

ONE HEATER, SINGLE PASS WITH VERTICAL TANKS



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