



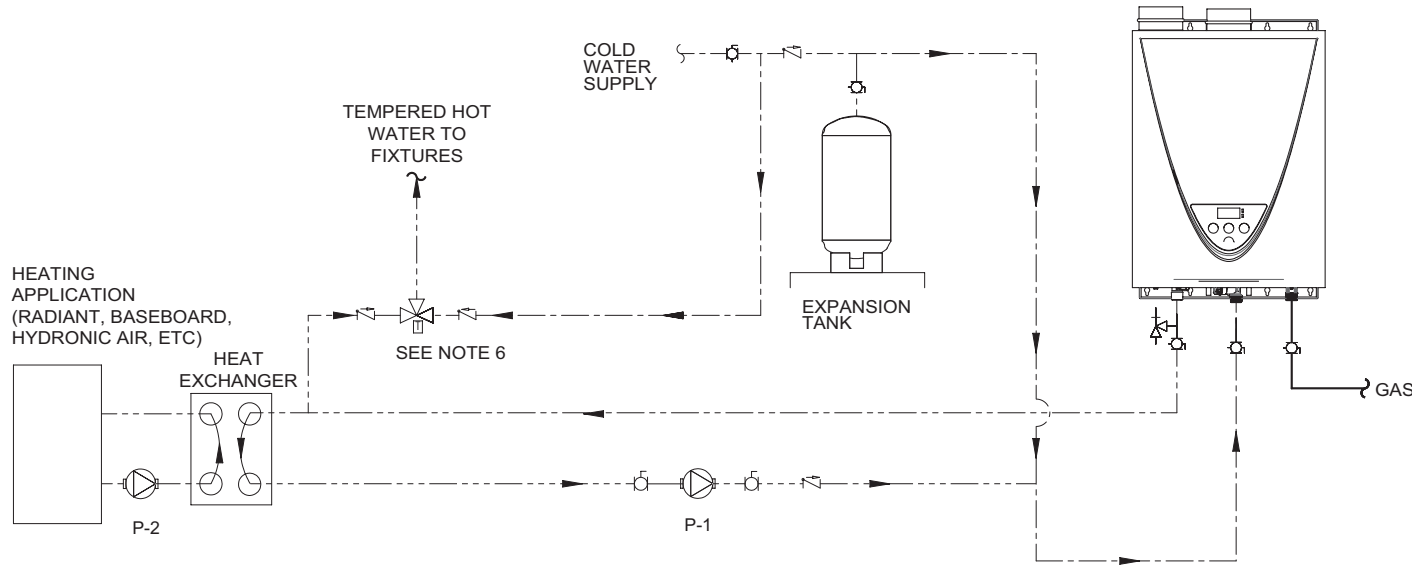
MCT-199 - ONE HEATER WITH INDIRECT HEAT EXCHANGER

WARNING: THIS DRAWING SHOWS A SUGGESTED CONFIGURATION AND OTHER DEVICES; CHECK WITH LOCAL CODES AND ORDINANCES FOR ADDITIONAL REQUIREMENTS.

DRAWING SHOWS INDOOR UNITS. OUTDOOR UNITS ARE PIPED IN THE SAME MANNER.

LEGEND

	TEMPERATURE & PRESSURE RELIEF VALVE		DRAIN		COLD
	THERMOSTATIC MIXING VALVE		BALL VALVE		HOT
	PRESSURE RELIEF VALVE		TEMPERATURE GAUGE		BUILDING RETURN
	CIRCULATING PUMP		CHECK VALVE		GAS
	TEMPERATURE CONTROL PROBE		WATER FLOW SWITCH		



NOTES:

1. The recirculation pump, P-1, should provide no less than 2 gpm per activated heater and no more than 4 gpm per activated heater. Refer to the heater's specification sheet for pressure drop information.
2. P-2 should be sized, installed, and controlled by installer.
3. Installation of a device to minimize scale deposits, such as the Product Preservers®, water softener, etc. should be considered. Refer to the heater's installation manual for additional information and/or consult with a local water quality expert.
4. Gas supply line shall be sized per the heater's installation manual and the current edition of ANSI Z223.1/NFPA 54.
5. Automatic air vent should be installed at the highest point in the system for all installations using a circulation pump.
6. Install thermostatic mixing valve per manufacturer's instructions.
7. Drawing shows indoor units. Outdoor units are piped in the same manner.