

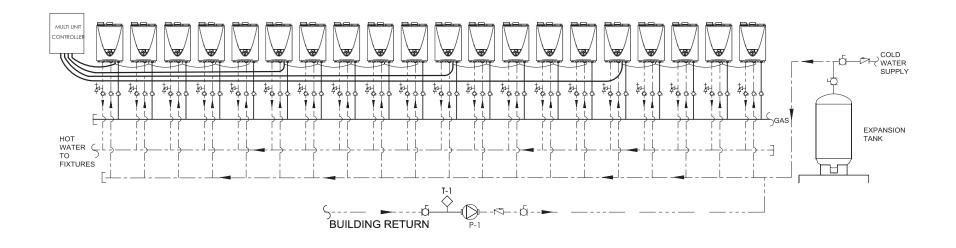
## LEGEND

## MCT-199 - TWENTY WATER HEATERS, DIRECT PLUMBING WITH RECIRCULATION

**WARNING:** THIS DRAWING SHOWS SUGGESTED PIPING 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.

## **TEMPERATURE &** -₿ Ы BALL VALVE COLD PRESSURE RELIEF VALVE TEMPERATURE GAUGE HOT PRESSURE RELIEF VALVE BUILDING CIRCULATING PUMP CHECK VALVE RETURN $\diamond$ **TEMPERATURE CONTROL** GAS WATER FLOW SWITCH PROBE



## NOTES:

- 1. Building recirculation pump, P-1, to be sized, installed and controlled by installer. The recirculation pump 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. Return pump, P-1, should be controlled by an aquastat, T-1, having an adjustable differential. Minimum differential should be 15°F.
- 3. Installation of a device to minimize scale deposits, such as the Product Preservers<sup>®</sup>, 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.

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