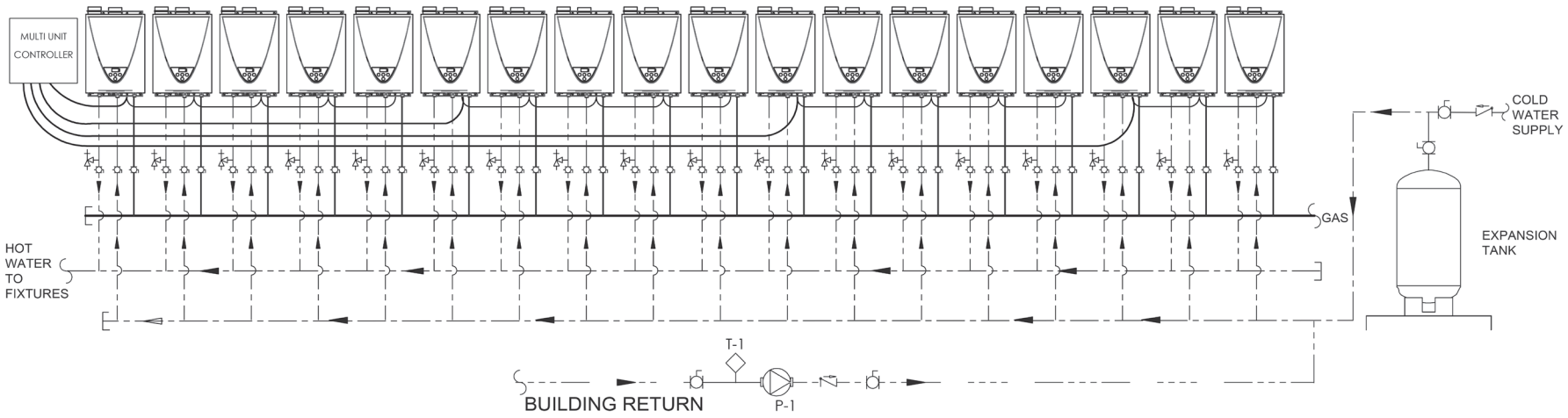
MCT-199 - EIGHTEEN WATER HEATERS, DIRECT PLUMBING WITH RECIRCULATION

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.

LEGEND

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



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®, 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.