NOTES:
1. ELECTRIC CONTROL VALVES IN HTHW PIPING SHALL BE 300# FLANGED. ACTUATOR SHALL BE CAPABLE OF SHUT-OFF AGAINST A 400 PSI PRESSURE DIFFERENTIAL. VALVES SHALL INCLUDE SUPER CAPACITOR ACCESSORY AND SHALL BE FLOWSERVE VALVE KS316 STAINLESS STEEL GENERAL SERVICE CONTROL VALVE OR EQUAL BY ROTORK ONLY. NO OTHER MFRS WILL BE CONSIDERED.
2. CONTROL VALVES TO CLOSE ON HTHWS TEMPERATURE OF 210°F OR ACTIVATION OF RELIEF VALVE, MANUAL RESET SWITCH MUST BE INSTALLED BETWEEN HX AND ISOLATION VALVE.
3. DRAIN VALVES SHALL BE GATE VALVES FOR HTHW
4. PRESSURE GAUGES SHALL NOT BE OIL FILLED
5. ALL HIGH TEMP HOT WATER PIPING TO BE WELDED.
6. PRESSURE SENSOR AND GAUGE TO BE INSTALLED AT EXPANSION TANK

Add: BTU flow meter or Belimo Energy Valve to be monitored by BMS

Add: sensor in return piping

Add: Temp sensor for alarm in relief piping as far from the heat exchanger as practical. See note 2

Ball Valve (Typ.)
Dial Thermometer (Typ.) (20° - 240° F)
Pete's Plug (Typ.)
Sensor Well (Typ.)
Pressure Gauge (Typ.) (0-150 PSI)

Manual reset high temperature safety switch. See note 2

1/2" Ball Valve W/ Air Vent Piped to Drain.
Modulating Control Valve (1/3 Capacity)
Modulating Control Valve (2/3 Capacity)

Orifice Flange When Req'd
3/4" Ball Valve

HTHW

HTHW

Strainer w/ spiral wound gasket, ball or gate valve and cap.

300# Flanges (Typ.)
ASME Relief Valve Piped to Drain.

Temperature Gauge (Typ.) (0° - 500° F)
Pressure Gauge (Typ.) (0° - 500 PSI)

No Scale