THIS PIPING DIAGRAM IS RAYPAK® RECOMMENDATION AND IS NOT INTENDED TO REPLACE AN ENGINEERED PIPING SYSTEM DESIGNED BY A PROFESSIONAL ENGINEER.

NOTES:
1. PLUMB SWING CHECK VALVE IN DRAINTAGE-CLOSED POSITION.
2. PIPE ALL RELIEF VALVES TO DRAIN, OR AS LOCAL CODES REQUIRE.
3. INSTALL COLD WATER BETWEEN HEATER OUTLET AND TANK.
4. SEE CHART: PIPE SIZES FOR PIPE SIZES, CALCULATED AT MAXIMUM FLOW RATE TO EXCEED 7.5 FTT/SEC.
5. STANDARD PUMP SIZING IS BASED ON 75 EQUIVALENT FEET OF PIPE. IF DISTANCE IS GREATER, THE PUMP MUST BE SIZED TO ACCOMMODATE INCREASE IN PIPING-RELATED LOSSES.
6. PROVIDE FOR THERMAL EXPANSION OF HOT WATER. IF BACKFLOW PREVENTER, CHECK VALVE, WATER HEATER OR PRESSURE-REDUCING VALVE IS INSTALLED IN THE COLD WATER LINE.
7. IF HOT WATER SETPOINT EXCEEDS 160°F WITH MAX FLOW, SPECIFY "H" BOILERS INSTEAD OF "MH" WATER HEATERS.

PIPE SIZES
- Raytherm
  - 133
  - 161-401
  - 514-824
  - 926-1826
  - 2000-4001
- VFW
  - 503-754
  - 1003-2004
- H.O. Delta
  - 600-1000
  - 1320-2342

DIAGRAM OF PIPING SYSTEM
- Expansion Tank
- Isolation Valve
- Hot Water Supply
- Heat-Mounted Pressure Relief Valve
- Optional Rear-MTD Pump on Certain Models
- Tankstat or Sensor Location
- Recirculation Pump (by Others)
- Thermometer
- T & P Relief Valve
- Drain
- Manhole
- City Water

GUARANTEED 60% DRAW WITHOUT TEMPERATURE DROP, USE RAYPAK BOILER, TANK, SIZING TABLE AND HOOK-UP DATA

HEATERS SHOWN REPRESENT VARIOUS MODELS, BECAUSE INDIVIDUAL MODELS WILL VARY IN DESIGN AND SIZING, SEE EACH SPECIFIC HEATER TYPE FOR DETAILS.

OWARD, CALIFORNIA

D BALDWIN
7-28-98
7-28-98
D BALDWIN
7-25-98

PIPING, UNI-TEMP 60: 3 HEATERS, 1 H TANK

WH
8141
D.M. 8141.DWG