THIS PIPING DIAGRAM IS RAYPAC'S RECOMMENDATION AND IS NOT INTENDED TO REPLACE AN ENGINEERED PIPING SYSTEM DESIGNED BY A PROFESSIONAL ENGINEER.

1. PLUMB SWING CHECK VALVE IN GRAVITY-CLOSED POSITION.
2. INSTALL "COLD WATER BETWEEN HEATER OUTLET AND TANK.
3. 2" SEE DIAM ("RIVET") FOR PIPE SIZES CALCULATED AT MAXIMUM FLOW, NOT TO EXCEED 7.3 FT/S.
4. STANDARD DUMP SLOPE B W/O TANK MANIFOLD FOR PIPING. IF DISTANCE IS GREATER, THE PUMP MUST BE SIZED TO ACCOMMODATE INCREASE IN PIPING-RELATED LOSSES.
5. PROVIDE FOR THERMAL EXPANSION OF HOT WATER IF A BACKFLOW PREVENTER, CHECK VALVE, WATER HEATER OR PRESSURE-
   REDUCING VALVE IS INSTALLED IN THE COLD WATER LINE.
6. 4'-0" FTXM TANK "T" REQUIRED PER RECOMMENDATIONS OF MANUFACTURER OR 2-WAY WIPING VALVE.
7. IF HOT WATER SYSTEM DESIGNS "HT" WITH MAX FLOW,
   SPECIFY "HT" BOILERS INSTEAD OF "WH" WATER HEATERS.

NOTE:
- PUMP LOCATION ON MODELS WITHOUT REAR-WIP PUMP (TOP)
- TANKSTAT
- THERMOMETER (TOP)
- T & P RELIEF VALVE (TOP)
- EXPANSION TANK
- CITY WATER
- PUMP LOCATION ON MODELS WITHOUT REAR-WIP PUMP (TOP)
- TANKSTAT
- THERMOMETER (TOP)
- T & P RELIEF VALVE (TOP)
- EXPANSION TANK
- CITY WATER

GUARANTEED 60% DRAW WITHOUT TEMPERATURE DROP.
USE RAYPAC HEATERS, TANK, SIZING TABLE AND HOE-LIP DATA.