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

NOTES:
1. PLUMB SWING CHECK VALVE IN GRAVITY-CLOSED POSITION.
2. INSTALL COLD WATER BETWEEN HEATER OUTLET AND TANK.
3. IF HIGH-TEMP HOT WATER SETPOINT EXCEEDS 160° F, SPECIFY "Y" BOILERS INSTEAD OF "WH" WATER HEATERS.
4. PROVIDE FOR THERMAL EXPANSION OF HOT WATER IF A BACKFLOW PREVENTER, CHECK VALVE, WATER METERS OR PRESSURE-REDUCING VALVE IS INSTALLED IN THE COLD WATER LINE.
5. SEE CHART "PIPE SIZES" FOR PIPE SIZES, CALCULATED AT MAX FLOW, NOT TO EXCEED 7.5 FT./SEC.
6. STANDARD PUMP SIZING BASED ON 75 EQUVALENT FEET OF PIPING. IF DISTANCE IS GREATER, THE PUMP MUST BE SIZED TO ACCOMMODATE INCREASE IN PIPING-RELATED LOSSES.

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

GUARANTEED 80% DRAW WITHOUT TEMPERATURE DROP. USE RAYPAK HEATER, TANK, SIZING TABLE AND HOOK-UP DATA.