This piping diagram is Raypak's recommendation and is not intended to replace an engineered piping system designed by a professional engineer.

Guaranteed 80% draw without temperature drop. Use Raypak boiler, tank, sizing table and hook-up data.

NOTES:
1. Plumb SWG check valve in gravity-closed position.
2. Pipe all relief valves to drain, or as local codes require.
3. Locate Tee as close as possible to tank.
4. Install cold water between boiler outlet and tank.
5. See Chart "Pipe sizes" for pipe sizes calculated at maximum flow, not to exceed 7.5 ft./sec
6. Standard pump sizing based on 75 equivalent feet of piping. If distance is greater, the pump must be sized to accommodate increase in piping-related losses.
7. Provide for thermal expansion of hot water if a backflow preventer, check valve, water meter or pressure-reducing valve is installed in the cold water line.
8. If hot water setpoint exceeds 160°F, specify "H" boilers instead of "WH" water heaters.