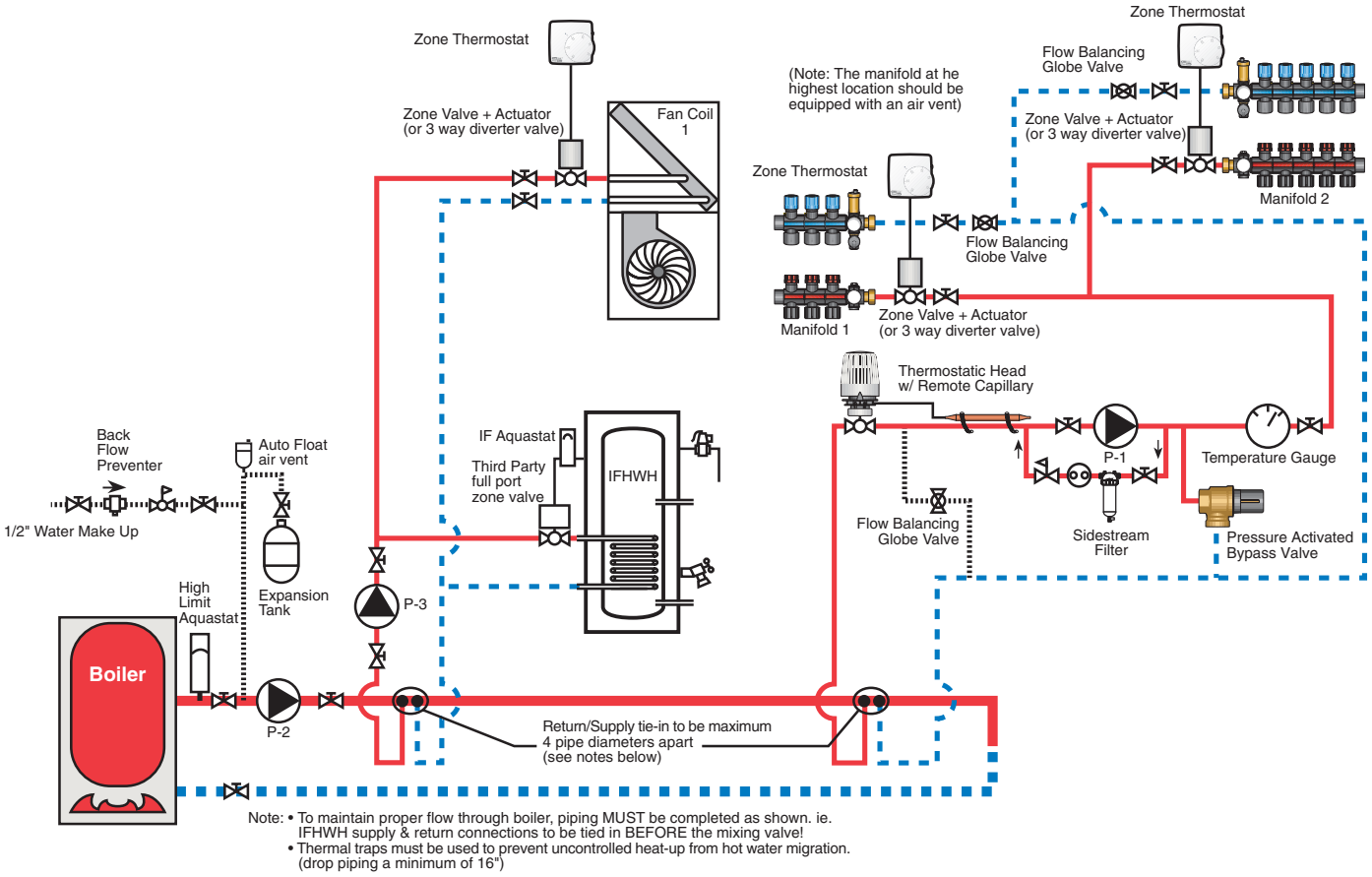
3 Circuit (Non-Electric Cntrl. of Fl. Ht. plus Components)

July 17, 2008 - **TECH 6.1**

Application: **Non Electric - Injection**

Cast iron high mass boiler c/w 3 circuits (Semi-automatic)
(one low temp. injection circuit - semi automatic tempering of the water temperature for floor heating)
(two high temp. circuits; fan coil and domestic indirect fired hot water heater)



Note:

- Air vents, expansion tanks, pressure relief valves etc. For boiler as per local codes.
- Drawings are for HeatLink® suggested system layout only. User must determine if system layout will work for their particular application!
- Use isolation ball valves for all circuits and components.

Control Sequence:

- Thermostatic control head c/w remote capillary to temper the water supply temperature to the radiant floor heating system. (See TECH 1 - 57094 for balancing instructions.)
- Boiler to fire either: 1) Independently on its own operating controls or 2) By activation through a relay of the StatLink® controls. APPLICATION TO USE OPTION (____).
- Zone thermostats and the water heater aquastat to control their respective zone valves and actuators. Aquastat to be set at a maximum of 130°F to prevent scalding. See ELECT 1.4 (For rough-in wiring instructions using StatLink® controls see ELECT 1.10)
- Pumps (P-1, P-2, P-3) to be wired directly with their own disconnect switches. Primary and system pumps to operate on demand. (For optional tie-in using StatLink® controls see ELECT 6.1). (Note: Pressure activated bypass for P-1 is required to maintain consistent flow through manifolds.)