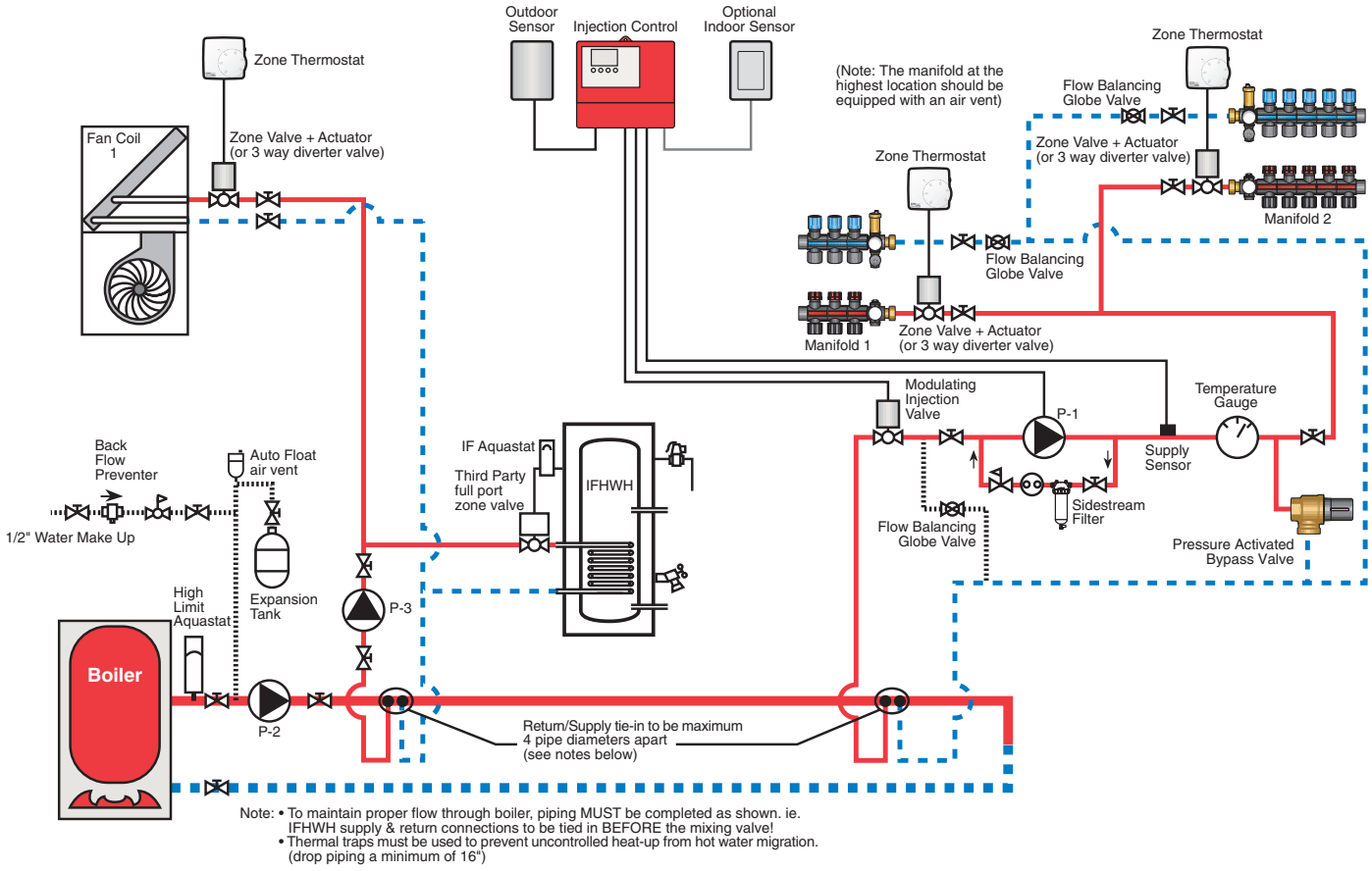
3 Circuits (Automatic Injection Ctrl w/ End Switch Actuators)

July 17, 2008 - **TECH 6.5**

Application: **Electronic Injection**

Cast iron high mass boiler c/w 3 circuits (Fully-automatic)
(one low temp. injection circuit - automatic tempering of the water temperature for floor heating plus end switch actuators)
(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:

- Indoor/outdoor injection control unit provides the correct water temperature for the HeatLink® radiant floor system. By correlating outside air temperature, supply water temp. & room temperature the control unit then operates the injection valve & actuator which in turn modulates the supply water temperature to the floor. For electrical rough in instructions use ELECT 1.4 (for Standard 3 Wire).
- Temperature balancing bypass to be adjusted as per manufacturer's instructions.
- System pump (P-1) to be activated by the indoor/outdoor injection control. Primary pump (P-2) to be opened by the internal boiler relay. P-3 to be operated by relay. Allow for a separate disconnect switches. (Note: Pressure activated bypass for P-1 is required to maintain consistent flow through manifolds.