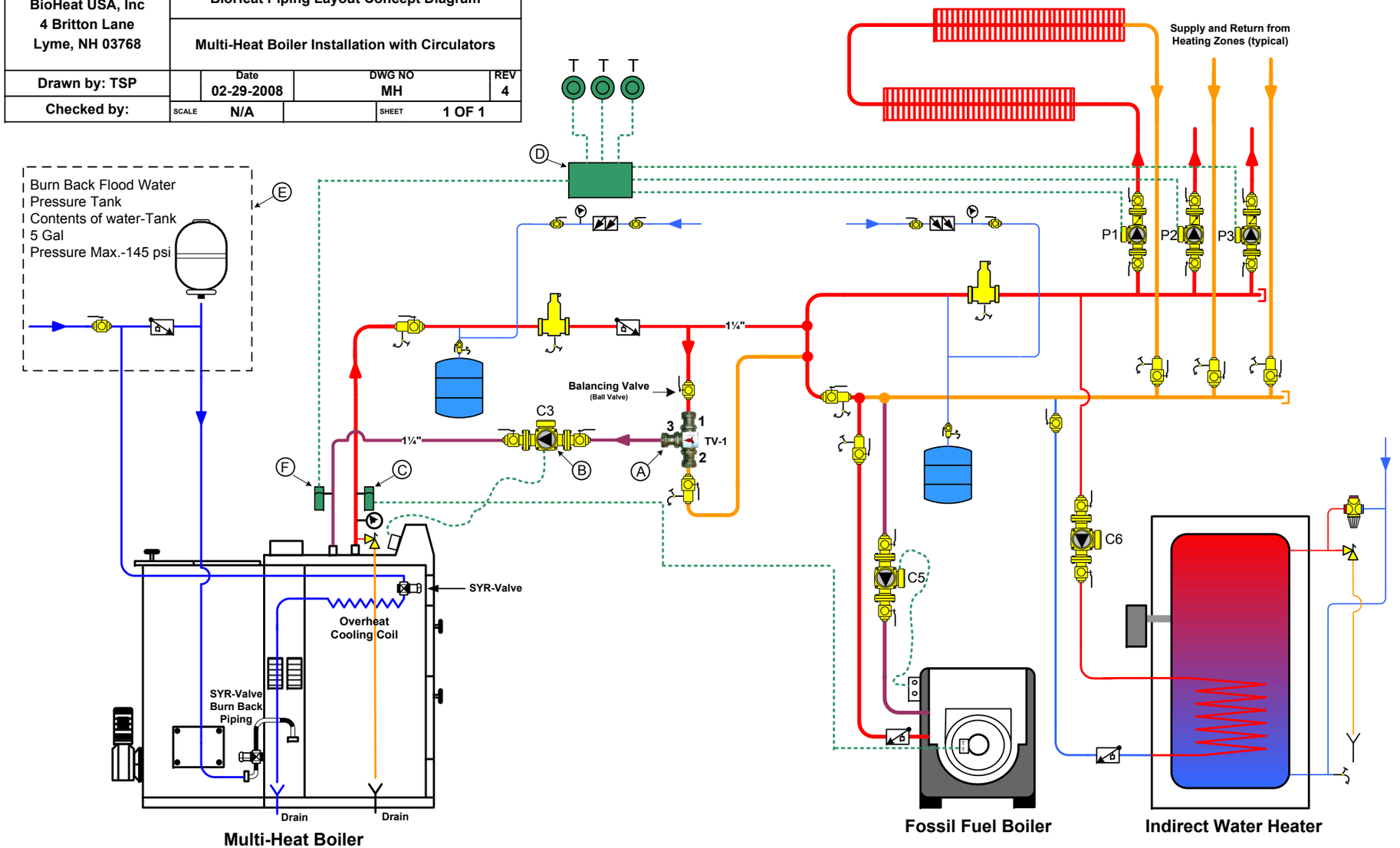
BioHeat USA, Inc 4 Britton Lane Lyme, NH 03768	BioHeat Piping Layout Concept Diagram			
	Multi-Heat Boiler Installation with Circulators			
Drawn by: TSP		Date 02-29-2008	DWG NO MH	REV 4
Checked by:	SCALE N/A		SHEET 1 OF 1	



Symbol Key

- Ball Valve
- Purging Valve
- Weighted Check Valve
- Pressure Relief Valve
- Pressure Reducing Valve
- Air Separator
- Circulator (w/isolation flanges)
- Boiler Drain
- Backflow Preventer
- Termovar Valve

Notes:

(A) Termovar Mixing Valve with 61°C element. A Balancing Valve Must be Used above Port 1 when Kit # K4440A-3 is used

(B) The boiler's C-3 circulator needs to wired through a switch or RIB relay as per owner's manual. (Part # RIBU1C)

(C) An aquastat can be used to switch on fossil fuel boiler. Honeywell aquastat L4006A or equivalent. (Part # L4006A)

(D) Circulator or Zone Valve Controller

(E) Domestic cold water is connected as shown for Model 1.5 and 2.5. Model 4.0 has only one connection to the SYR-Valve burn back piping.

(F) An aquastat is used to prevent the boiler from going into stand-by for extended periods of time. It is set to a few degrees above the boiler's set-point and needs to activate a heating circuit that is at least 10% of the boiler's rated output. A Honeywell L6006C or equivalent can be used. (Part # L6006C)

Note: This is only a concept drawing. Final design, installation and code compliance details are the responsibility of the designer/installer of the system.