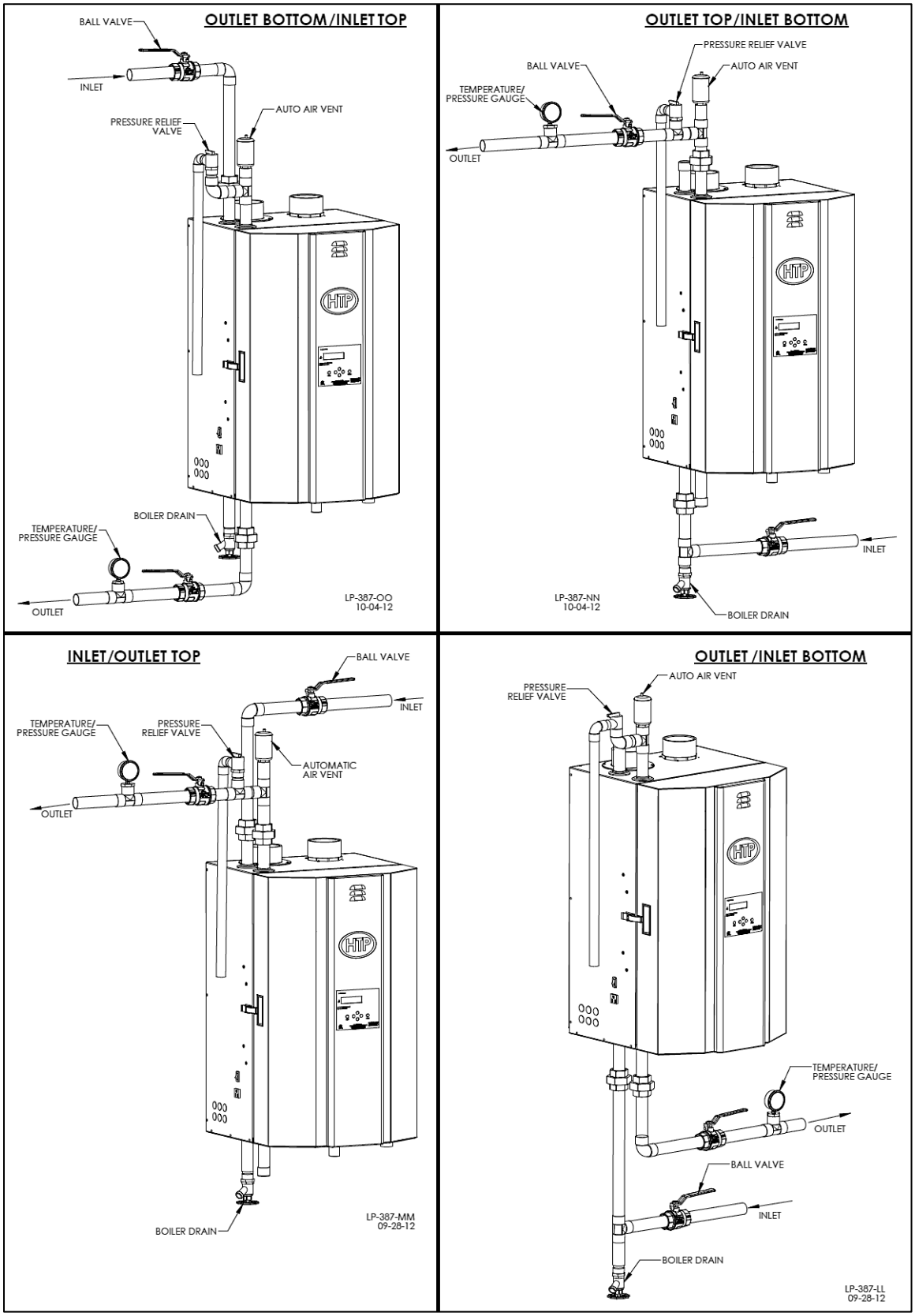

Figure 7 – Near Boiler Piping* – NOTE: This drawing is meant to show system piping concept only. Installer is responsible for all equipment and detailing required by local codes. *Top / Bottom Supply / Return Connections available on EFT-155, EFT-199, EFT-285, and EFT-399 Models ONLY

NOTE: In piping applications utilizing a single zone, it is recommended that the installer use flow / check valves with weighted seats at or near the boiler to prevent gravity circulation.

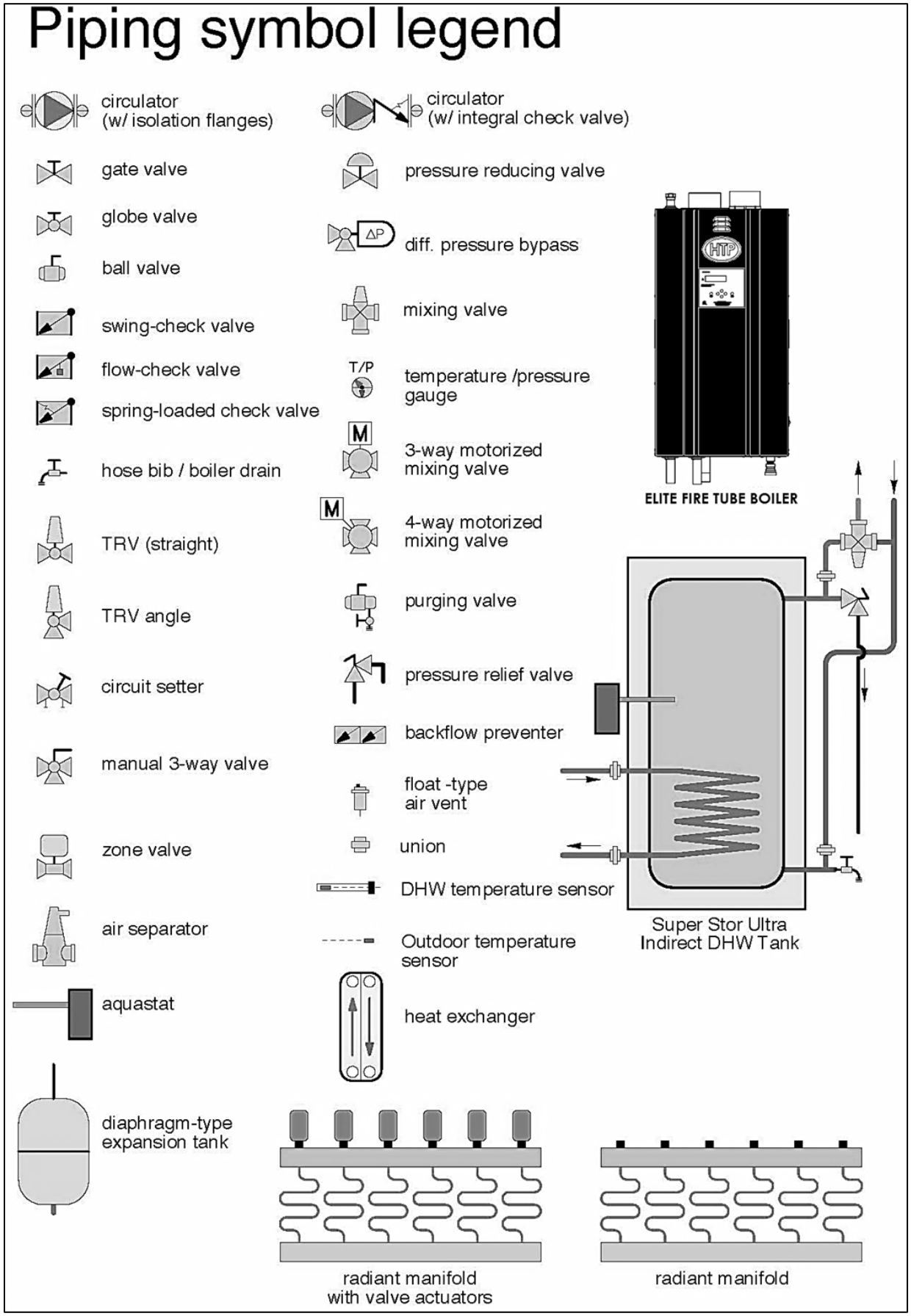

Figure 8 – Piping Symbol Legend

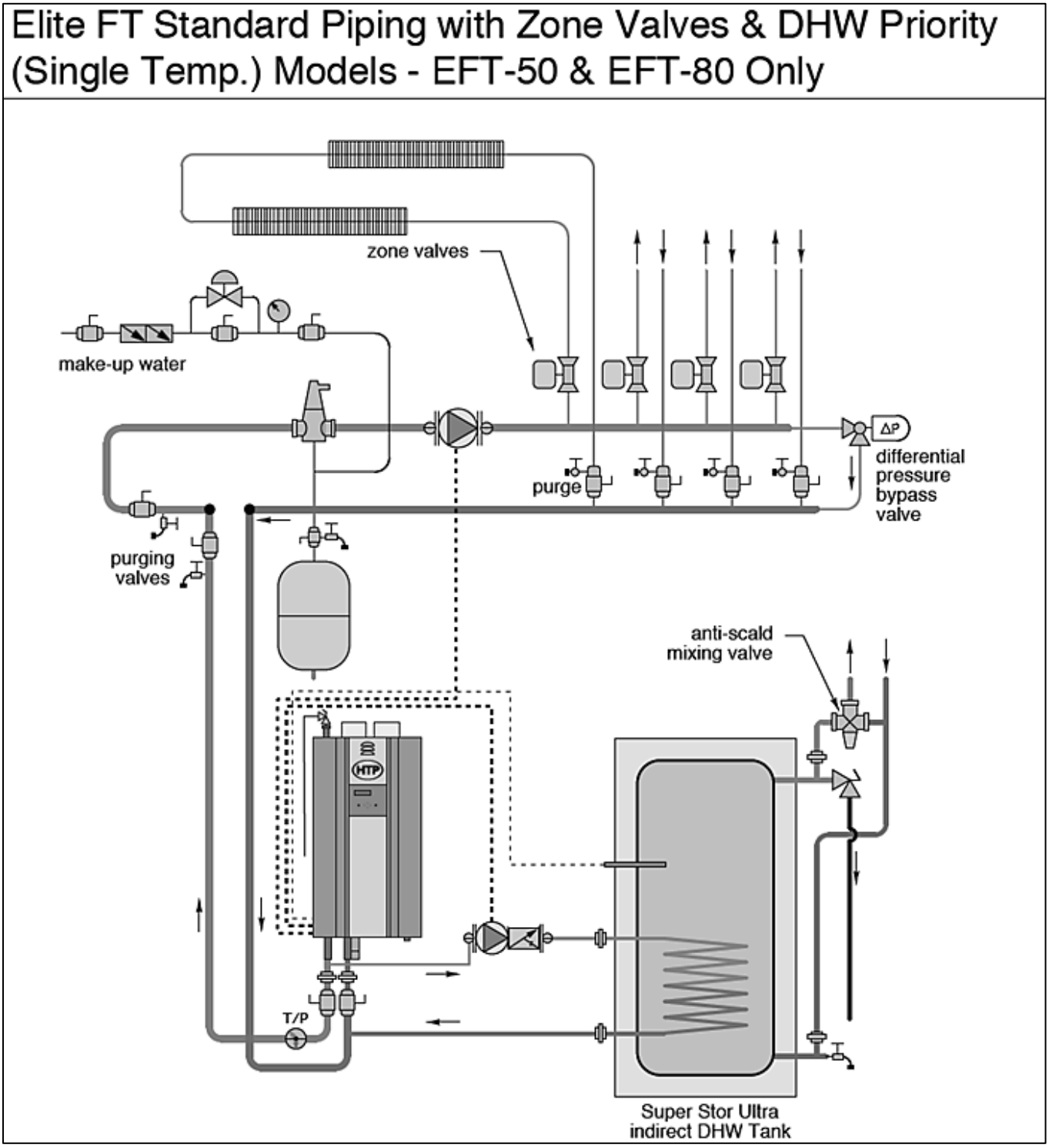

Figure 9 – Standard Piping with Zone Valves and DHW Priority - NOTES:

1. This drawing is meant to show system piping concept only. Installer is responsible for all equipment and detailing required by local codes.
2. All closely spaced tees shall be within 4 pipe diameters center to center spacing.
3. A minimum of 6 pipe diameters of straight pipe shall be installed upstream and downstream of all closely spaced tees.
4. The **minimum** pipe size for connecting a SuperStor indirect water heater is 1”
5. The **minimum** pipe size for connecting an EFT-55 or 80 - 1”.
6. Circulators are shown with isolation flanges. The alternative is standard flanges with full port ball valves. Purge valves can be used with circulator flanges as an alternative.
7. A mixing valve is recommended if the DHW temperature is set above the factory setting of 119^{o}F.
8. Piping shown is Standard. **VERY IMPORTANT:** Minimum flow rates outlined in the manual must be maintained to minimize short cycling.
9. Install a minimum of 12 diameters of straight pipe upstream of all circulators.

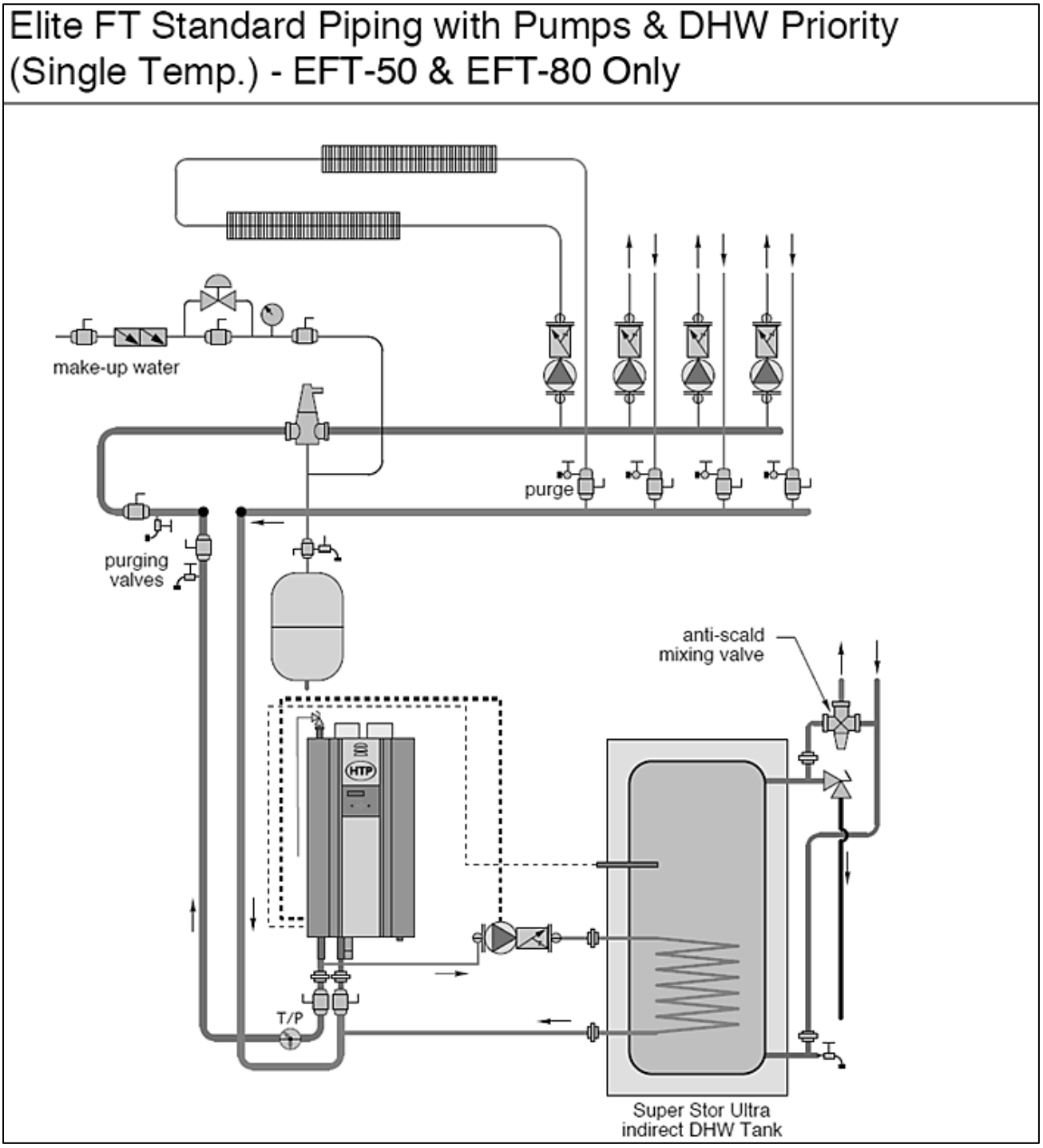

Figure 10 - Standard Piping with Pumps and DHW Priority - NOTES:

1. This drawing is meant to show system piping concept only. Installer is responsible for all equipment and detailing required by local codes.
2. All closely spaced tees shall be within 4 pipe diameters center to center spacing.
3. A minimum of 6 pipe diameters of straight pipe shall be installed upstream and downstream of all closely spaced tees.
4. The **minimum** pipe size for connecting a SuperStor indirect water heater is 1”
5. The **minimum** pipe size for connecting an EFT-55 or 80 - 1”.
6. Circulators are shown with isolation flanges. The alternative is standard flanges with full port ball valves. Purge valves can be used with circulator flanges as an alternative.
7. A mixing valve is recommended if the DHW temperature is set above the factory setting of 119^{o}F.
8. Piping shown is Standard.
9. Install a minimum of 12 diameters of straight pipe upstream of all circulators.
10. **VERY IMPORTANT** – Minimum flow rates outlined in this manual must be maintained through the heat exchanger to minimize short cycling.

Elite FT Primary / Secondary Piping with Zone Valves & DHW Priority (Outdoor Reset) All EFT Models

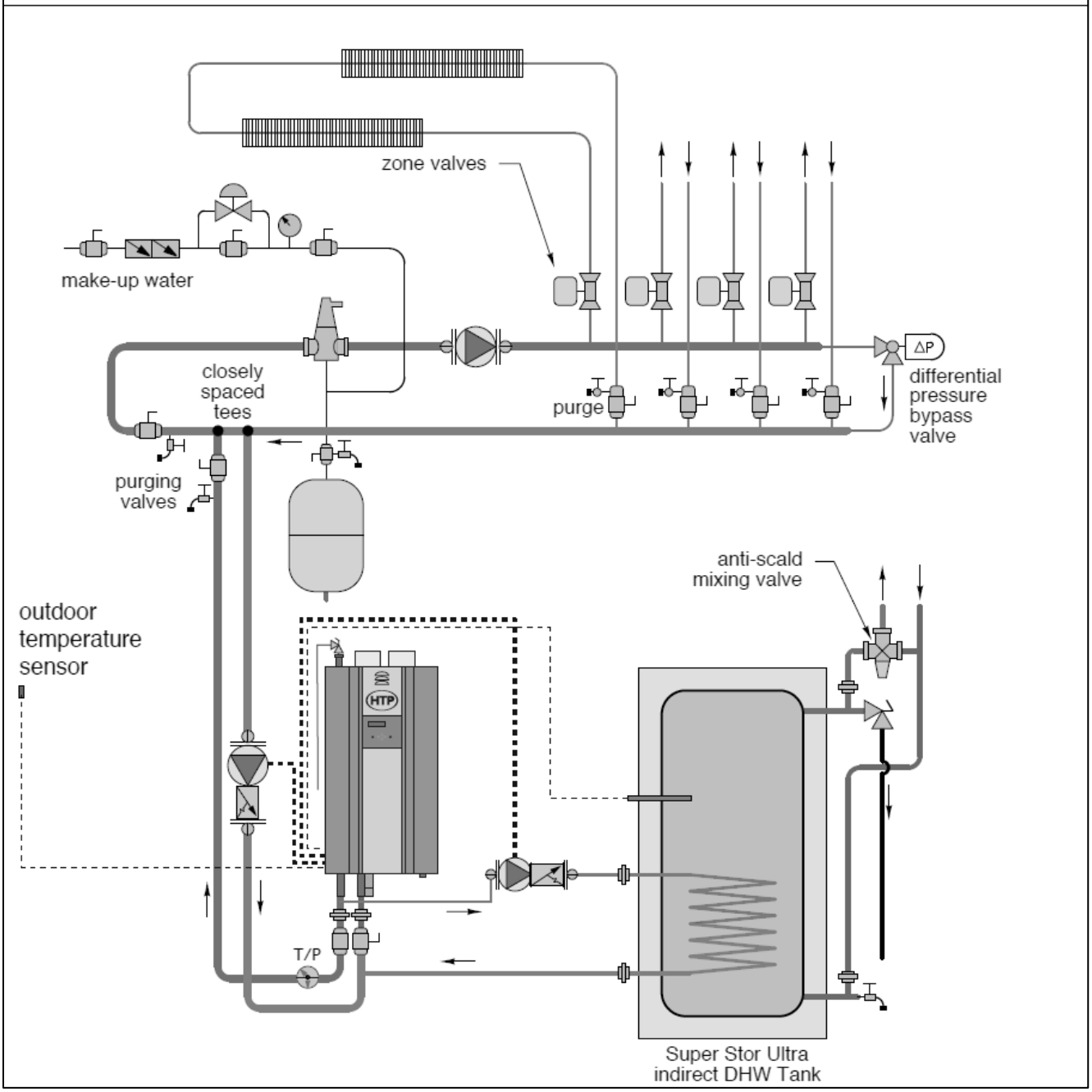

Figure 11 – Primary/Secondary Boiler Piping – Zone Valves and DHW Priority – Outdoor Reset - NOTES:

1. This drawing is meant to show system piping concept only. Installer is responsible for all equipment and detailing required by local codes.
2. All closely spaced tees shall be within 4 pipe diameters center to center spacing.
3. A minimum of 6 pipe diameters of straight pipe shall be installed upstream and downstream of all closely spaced tees.
4. The **minimum** pipe size for connecting a SuperStor indirect water heater is 1”
5. The **minimum** pipe size for connecting an EFT-55/80/110 - 1”, EFT-155/199/285 – 1.25”, EFT-399 – 1.5”.
6. Circulators are shown with isolation flanges. The alternative is standard flanges with full port ball valves. Purge valves can be used with circulator flanges as an alternative.
7. A mixing valve is recommended if the DHW temperature is set above the factory setting of 119^{o}F.
8. Piping shown is Primary/Secondary. System flow (secondary loop) must be greater than the boiler’s primary loop flow.
9. Install a minimum of 12 diameters of straight pipe upstream of all circulators.
10. **VERY IMPORTANT** – Minimum flow rates outlined in this manual must be maintained through the heat exchanger to minimize short cycling.

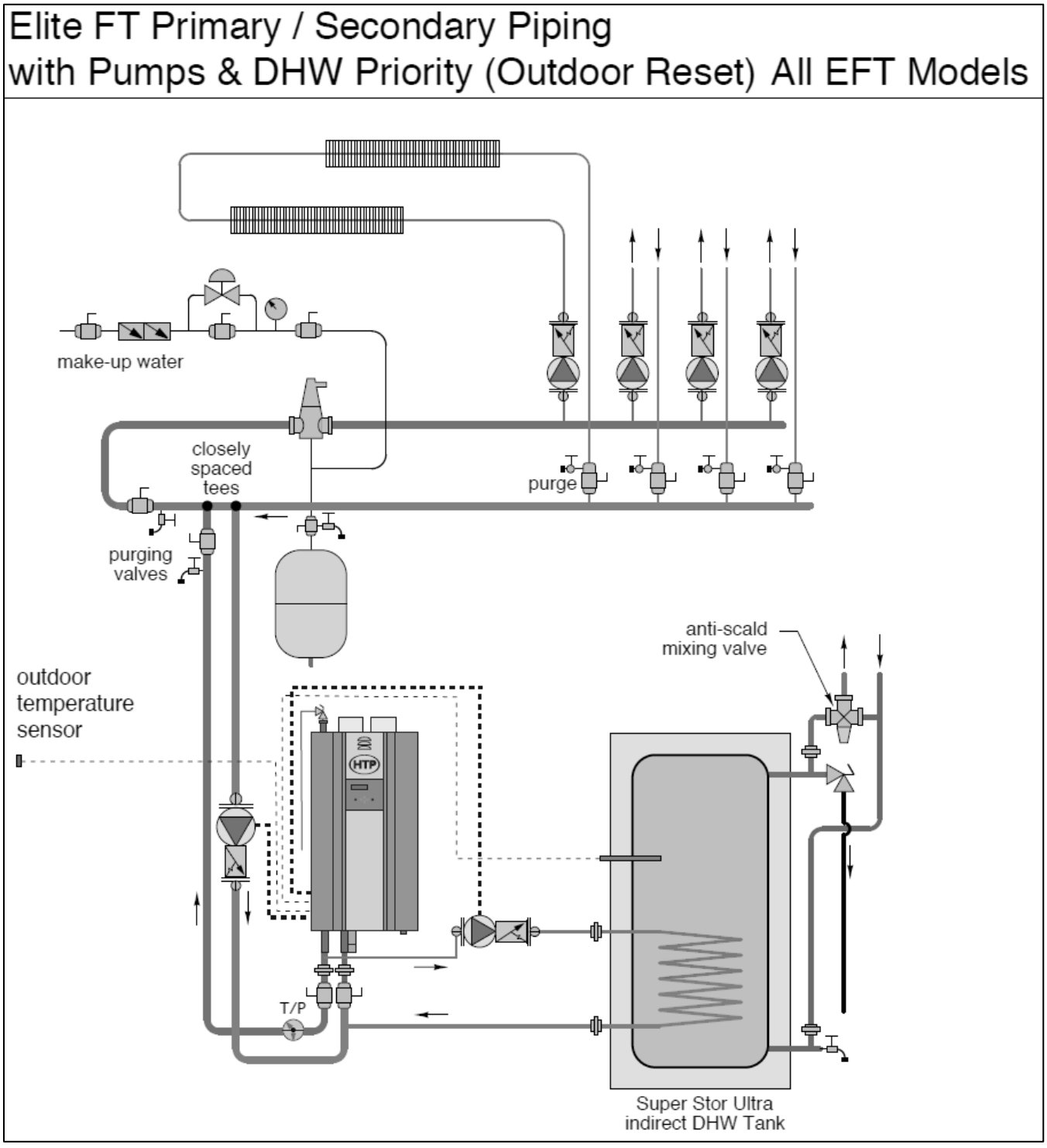

Figure 12 – Primary/Secondary Boiler Piping – Pumps and DHW Priority – Outdoor Reset - NOTES:

1. This drawing is meant to show system piping concept only. Installer is responsible for all equipment and detailing required by local codes.
2. All closely spaced tees shall be within 4 pipe diameters center to center spacing.
3. A minimum of 6 pipe diameters of straight pipe shall be installed upstream and downstream of all closely spaced tees.
4. The **minimum** pipe size for connecting a SuperStor indirect water heater is 1”
5. The **minimum** pipe size for connecting an EFT-55/80/110 - 1”, EFT-155/199/285 – 1.25”, EFT-399 – 1.5”.
6. Circulators are shown with isolation flanges. The alternative is standard flanges with full port ball valves. Purge valves can be used with circulator flanges as an alternative.
7. A mixing valve is recommended if the DHW temperature is set above the factory setting of 119^{o}F.
8. Piping shown is Primary/Secondary. System flow (secondary loop) must be greater than the boiler’s primary loop flow.
9. Install a minimum of 12 diameters of straight pipe upstream of all circulators.
10. **VERY IMPORTANT** – Minimum flow rates outlined in this manual must be maintained through the heat exchanger to minimize short cycling.

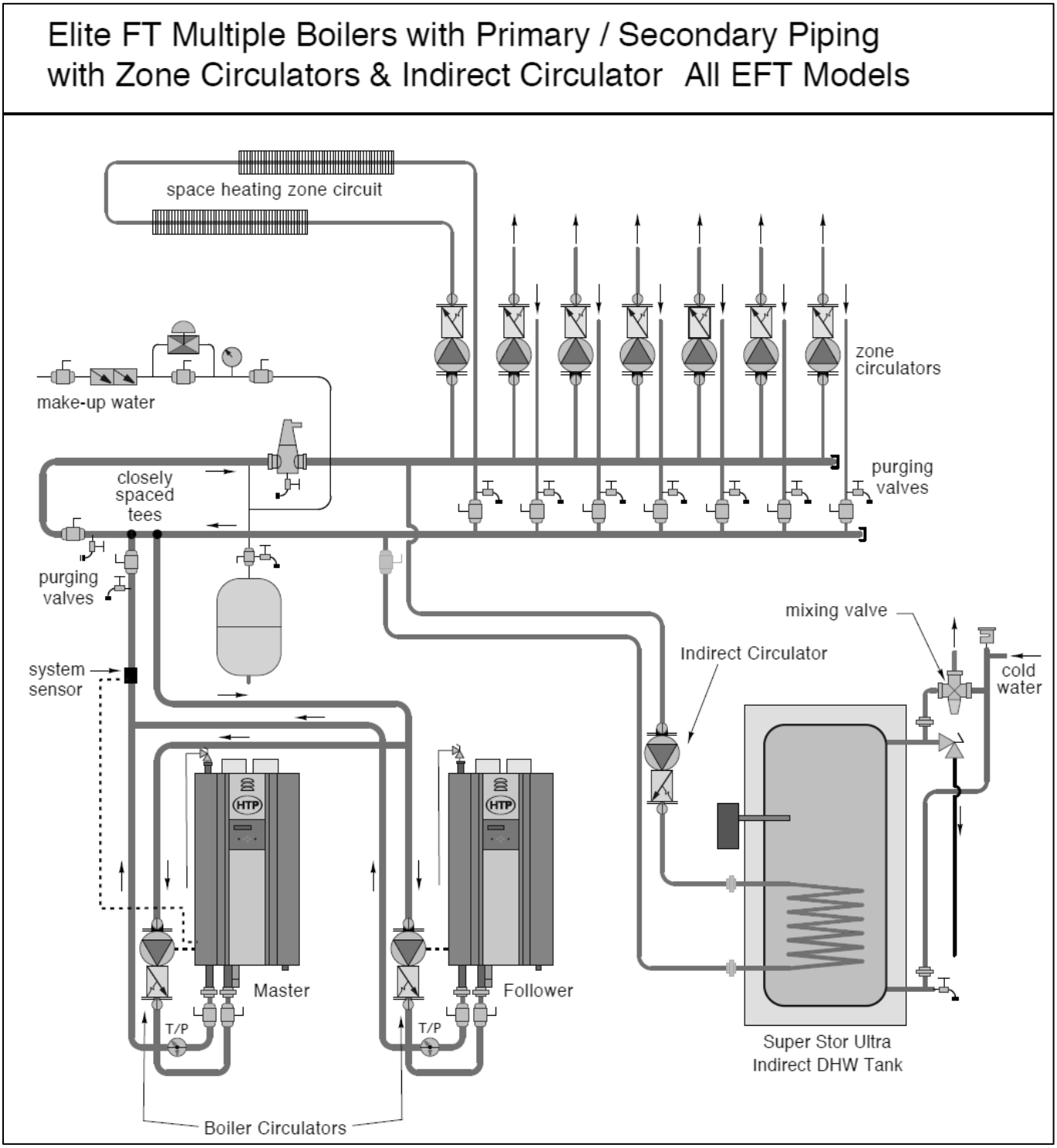

Figure 13 – Multiple Boilers – Primary/Secondary Piping – Circulators - NOTES:

1. This drawing is meant to show system piping concept only. Installer is responsible for all equipment and detailing required by local codes.
2. All closely spaced tees shall be within 4 pipe diameters center to center spacing.
3. A minimum of 6 pipe diameters of straight pipe shall be installed upstream and downstream of all closely spaced tees.
4. The **minimum** pipe size for connecting a SuperStor indirect water heater is 1"
5. The **minimum** pipe size for connecting an EFT-55/80/110 - 1", EFT-155/199/285 – 1.25", EFT-399 – 1.5".
6. Circulators are shown with isolation flanges. The alternative is standard flanges with full port ball valves. Purge valves can be used with circulator flanges as an alternative.
7. A mixing valve is recommended if the DHW temperature is set above the factory setting of 119^{o}F.
8. Piping shown is Primary/Secondary. System flow (secondary loop) must be greater than the boiler's primary loop flow.
9. Install a minimum of 12 diameters of straight pipe upstream of all circulators.
10. **VERY IMPORTANT** – Minimum flow rates outlined in this manual must be maintained through the heat exchanger to minimize short cycling.