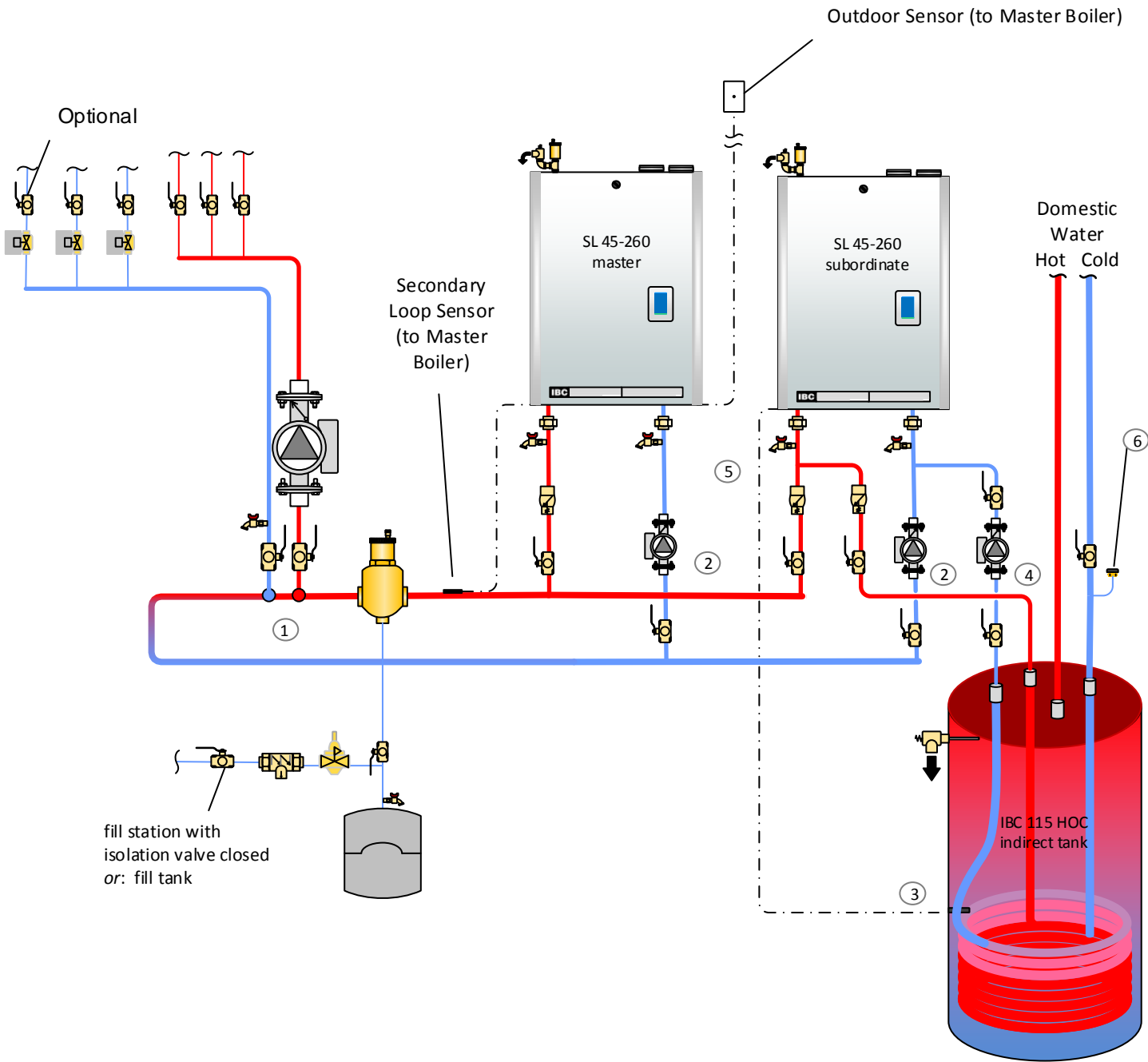




Better Boilers



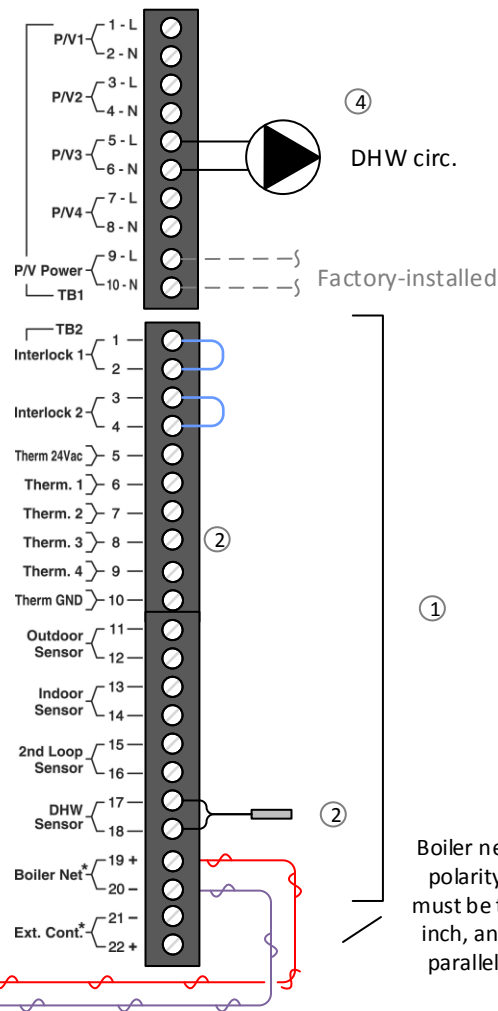
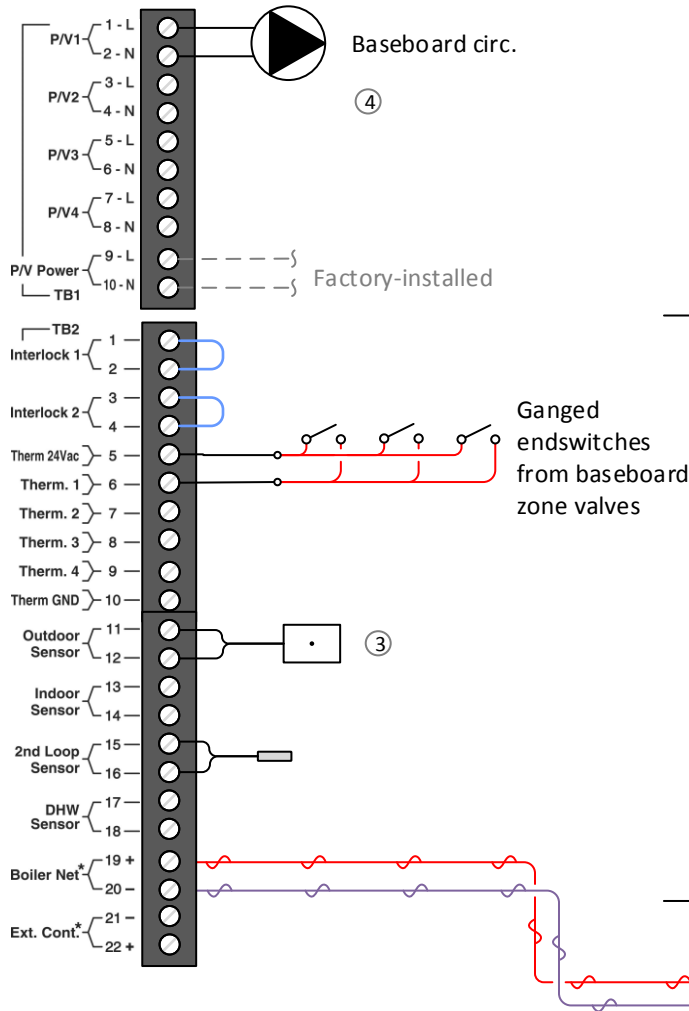
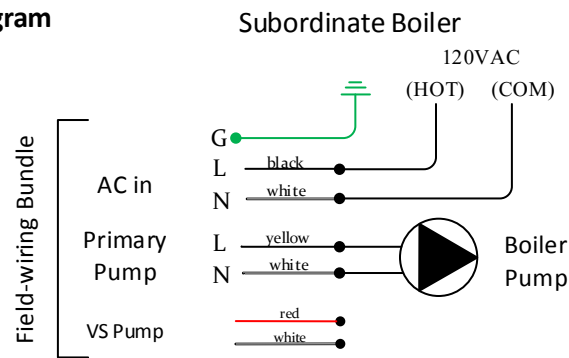
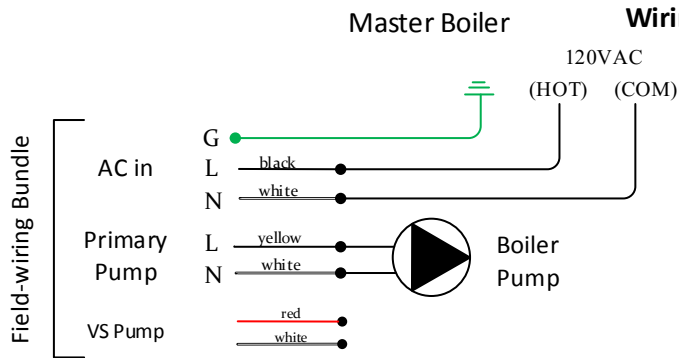
- Notes**
- ① – Closely spaced tees are maximum four primary circuit piping diameters apart, with a minimum of eight pipe diameters of straight tubing upstream of first tee and a minimum four pipe diameters of straight tubing downstream of second tee.
 - ② – Recommended boiler pump size is UPS 26-99F or equivalent.
 - ③ – Hot water tank sensor is wired to opt-out boiler; opt-out boiler configured as network subordinate, contributes to space heating demand when hot water load is satisfied.
 - ④ – Opt-out pump sized for combined head loss of boiler and indirect tank (UPS 26-99F on High Speed or equivalent). Subordinate boiler opt-out load *Boiler Pump* turned to *Off* (primary pump does not run during DHW operation).
 - ⑤ – Boiler inlet and outlet piping 1½", header size 2 ½".
 - ⑥ – Vacuum relief valve; thermal expansion tank for domestic water also recommended.

CAUTION: This drawing is a simple schematic guide to a successful installation. There may be many necessary components not shown here. We require that our boilers be installed by licensed and experienced trades people who are familiar with the applicable local and national codes. System design is to be completed by an experienced hydronic designer or Engineer. It is necessary to carefully read and follow the installation instructions that come with the boiler along with the application drawing that fits your system.

IBC 260 2.2.ind	IBC SL 45-260 2 boiler net DHW
DRAWN BY BRAD POULSEN	DATE 27/02/2015
DESCRIPTION Multi-boiler installation with baseboard heating, and domestic hot water heated through an indirect tank.	
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Better Boilers



Boiler network wires are polarity-sensitive, and must be twisted once per inch, and not be routed parallel to line voltage wires

Wiring Notes

- ① – No external voltages to be applied to TB2 control terminal strip connections 1-20.
- ② – If aquastat is used in indirect tank well, connect to *Therm. 3* terminals; in this case DHW sensor will not be connected.
- ③ – Outdoor sensor installed on North exterior wall, exposed to actual outdoor air temperature.
- ④ – Pump circuits are fused for a total draw of 5A; maximum amperage draw of 4A is recommended.

Programming Notes

- A – See memo *Multiple Boiler Systems* for full details about network configuring. For the Master Boiler only, in *Installer Setup Menu / MultiBoiler*, turn Master Boiler to *On*, and define boiler ID as “1”. Set boiler ID at subordinate boiler to “2”, leaving Master Boiler *Off*.
- B – For Master Boiler, in *Installer Setup* menu set Load 1 as *Reset Heating* or *Set Point* as desired.
- C – For Opt-Out boiler, in *Installer Setup* menu set Load 3 as *DHW*. For DHW load set *Boiler Pump* to *Off*.
- D – In *Installer Settings Menu / Edit*, for all loads: *Maximum Supply Temperature* acts as a high limit.

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