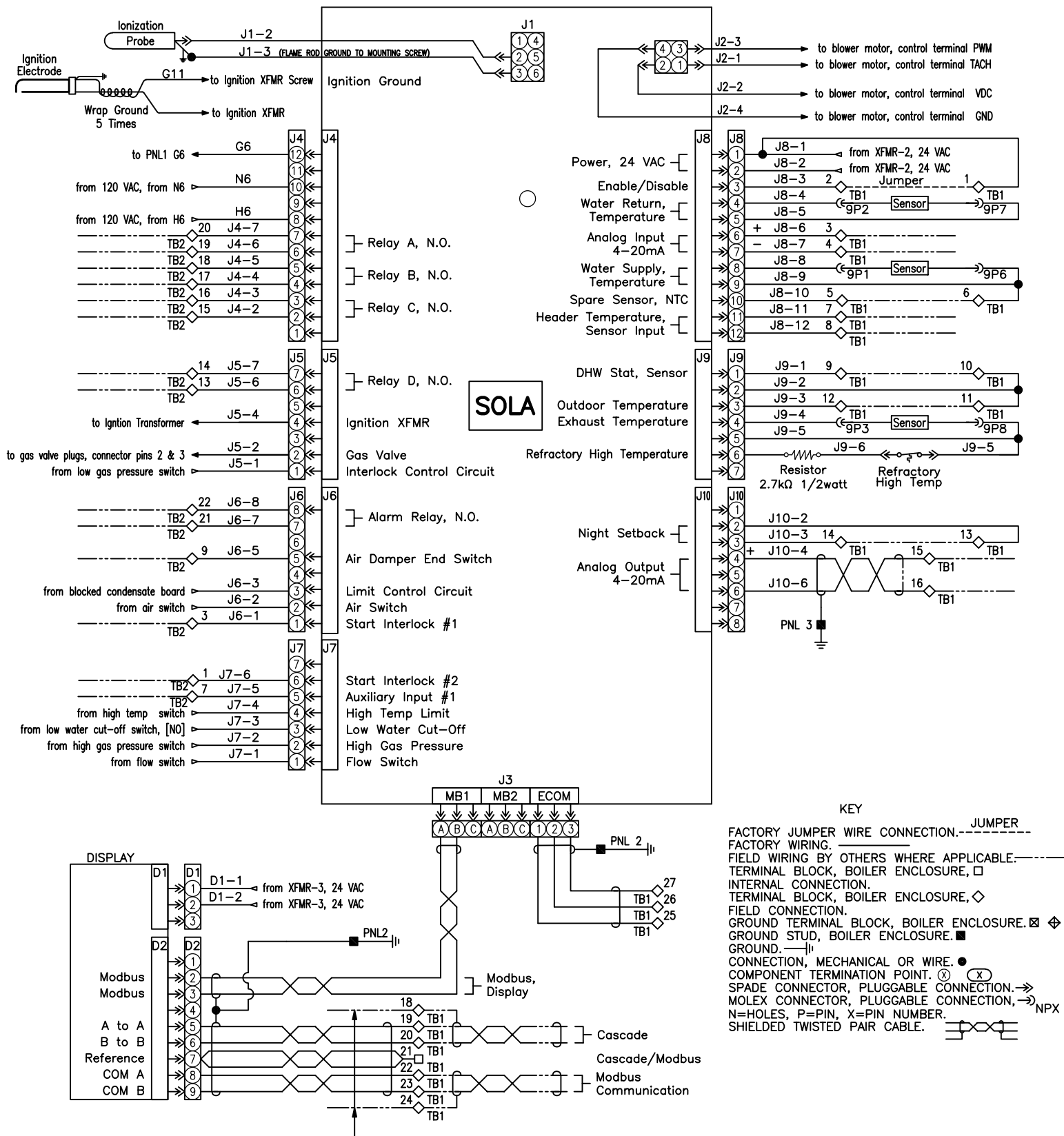


**Patterson-Kelley, LLC**  
 East Stroudsburg, PA 18301  
 570-476-7261  
 www.pattersonkelley.com

IF ANY OF THE ORIGINAL WIRE SUPPLIED WITH THIS BOILER MUST BE REPLACED, IT MUST BE REPLACED WITH THE SAME UL WIRE TYPE.

**ST5000 240 V  
 WITH NURO® CONTROL**

2691000319 (1)  
 REV. C



**KEY**

FACTORY WIRE CONNECTION. --- JUMPER ---  
 FACTORY WIRING. \_\_\_\_\_  
 FIELD WIRING BY OTHERS WHERE APPLICABLE. - - - - -  
 TERMINAL BLOCK, BOILER ENCLOSURE, □  
 INTERNAL CONNECTION.  
 TERMINAL BLOCK, BOILER ENCLOSURE, ◇  
 FIELD CONNECTION.  
 GROUND TERMINAL BLOCK, BOILER ENCLOSURE. ⊠ ⊡  
 GROUND STUD, BOILER ENCLOSURE. ■  
 GROUND. —||—  
 CONNECTION, MECHANICAL OR WIRE. ●  
 COMPONENT TERMINATION POINT. ⊙ ⊗  
 SPADE CONNECTOR, PLUGGABLE CONNECTION. →  
 MOLEX CONNECTOR, PLUGGABLE CONNECTION. →  
 N=HOLES, P=PIN, X=PIN NUMBER.  
 SHIELDED TWISTED PAIR CABLE.

**NOTE:**

Modbus and or Cascade field wiring must utilize twisted pair shielded cable. For multi boiler installations, JUMPER the field Modbus and or Cascade shield connection "TB1-18 and or TB1-24" to PNL ground in Master boiler TB1 terminal box. Do not ground shield to any other boiler or piece of equipment. Shield should be continuous from beginning to end with a ground connection in the master boiler only.

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2691000319 (2)  
 REV. C