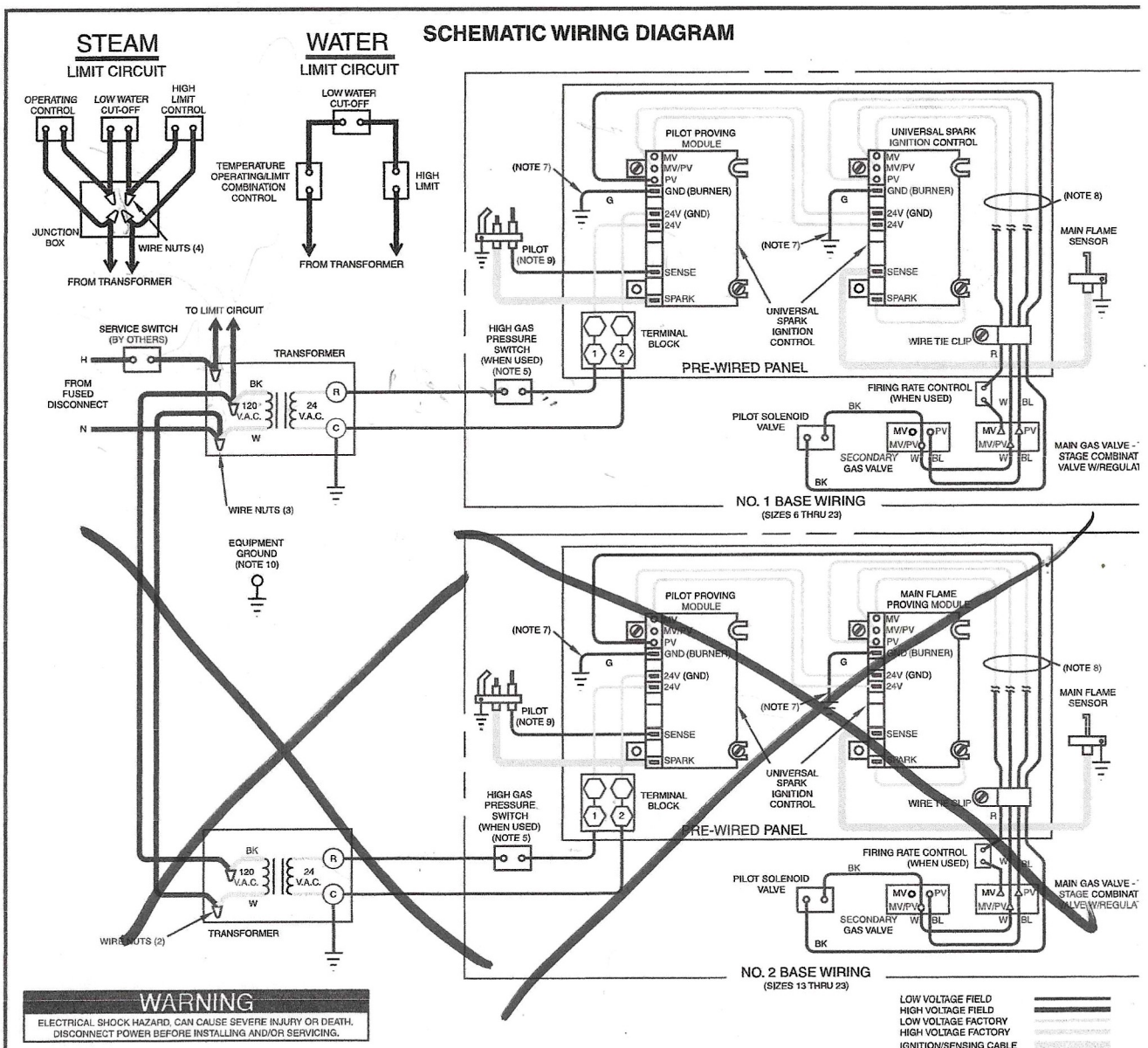
III Wiring – continued

SCHEMATIC WIRING DIAGRAM



WARNING

ELECTRICAL SHOCK HAZARD. CAN CAUSE SEVERE INJURY OR DEATH. DISCONNECT POWER BEFORE INSTALLING AND/OR SERVICING.

LOW VOLTAGE FIELD
HIGH VOLTAGE FIELD
LOW VOLTAGE FACTORY
HIGH VOLTAGE FACTORY
IGNITION/SENSING CABLE

NOTES:

1. ALL WIRING MUST BE INSTALLED IN ACCORDANCE WITH:
   A. U.S.A. - NATIONAL ELECTRICAL CODE AND ANY OTHER NATIONAL, STATE, OR LOCAL CODE REQUIREMENTS.
   B. CANADA - C.S.A. C22.1 CANADIAN ELECTRICAL CODE PART 1 AND ANY OTHER NATIONAL, PROVINCIAL, OR LOCAL CODE REQUIREMENTS.
2. ALL WIRING EXTERNAL TO BOILER JACKET MUST BE:
   A. U.S.A. - N.E.C. CLASS 1.
   B. CANADA - C.S.A. C22.1 C.E.C. PART 1.
3. IF ORIGINAL WIRE AS SUPPLIED WITH THE APPLIANCE MUST BE REPLACED, TYPE 105 °C OR ITS EQUIVALENT MUST BE USED. EXCEPTION, SEE NOTE 7.
4. REFER TO CONTROL COMPONENT INSTRUCTIONS PACKED WITH BOILER FOR APPLICATION INFORMATION.
5. STANDARD EQUIPMENT FOR LGB-21 THRU LGB-23.
6. △ MV/PV TERMINAL ON MAIN GAS VALVE IS A SINGLE TERMINAL (COMMON) FOR LOW AND HIGH FIRE OPERATORS.
7. REFER TO CONTROL SUPPLEMENT FOR GROUND LEADWIRE ATTACHMENT. IF ORIGINAL GROUND LEADWIRE AS SUPPLIED WITH THE APPLIANCE MUST BE REPLACED, TYPE 125 °C OR ITS EQUIVALENT MUST BE USED.
8. WIRES ARE FACTORY INSTALLED TO CONTROL PANEL, BUT MUST BE FIELD CONNECTED TO GAS VALVES AND FIRING RATE CONTROL TERMINALS (WHEN USED).
9. PILOT LEADWIRES ARE NOT FIELD REPLACEABLE. REPLACE PILOT ASSEMBLY IF NECESSARY.
10. ⏚ DENOTES FIELD INSTALLED CHASSIS GROUND.
11. ALL CONTACTS SHOWN WITHOUT POWER APPLIED - OFF SHELF CONDITION.

△ MAIN GAS VALVE TERMINAL.
▭ CONTROL MODULE TERMINAL.
⬡ IGNITION CONTROL PANEL TERMINAL.
○ TRANSFORMER TERMINAL.
FACTORY WIRED TO CONTROL - FIELD WIRED TO GAS VALVE OR FIRING RATE CONTROL.