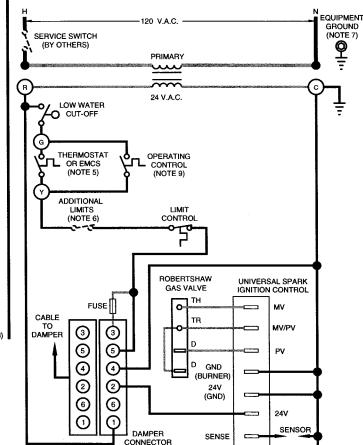
## SCHEMATIC WIRING DIAGRAM ADDITIONAL LIMITS LIMIT **OPERATING** (NOTE 6) CONTROL CONTROL BK (NOTE 9) N 34 BK вк HERMOSTAT EQUIPMENT ROBERTSHAW w OR EMCS GROUND GAS VALVE (NOTE 5) (NOTE 7) LOW WATER **CUT-OFF** UNIVERSAL SPARK BL IGNITION CONTROL SERVICE BK **L**° O MV/PV SWITCH BK (BY OTHERS) $\Delta_{\mathsf{BK}}$ TRANSFORMER GND (BURNER) 120/24 V.A.C. G 24V (GND) 24V JW G RELAY DAMPER WIRE NUT RECEPTACLE CONNECTOR SENSE (NOT USED) О O 0 SPARK JUNCTION BOX CABLE TO: DAMPER PILOT ELECTRICAL SHOCK HAZARD, CAN CAUSE SEVERE (NOTE 8) INJURY OR DEATH. DISCONNECT POWER BEFORE INSTALLING AND/OR SERVICING. 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 CONTACTS SHOWN WITHOUT POWER APPLIED-OFF SHELF CONDITION. 3. IF ORIGINAL ROLLOUT TFE WIRE AS SUPPLIED WITH THE APPLIANCE MUST BE REPLACED. TYPE 200°C WIRE OR ITS EQUIVALENT MUST BE USED. IF OTHER ORIGINAL WIRE AS



LADDER WIRING DIAGRAM

BE USED.

REFER TO CONTROL COMPONENT INSTRUCTIONS PACKED WITH BOILER FOR APPLICATION INFORMATION. 5. THERMOSTAT - SET ANTICIPATOR TO MATCH AMPERE DRAW OF GAS VALVE

PLUS VENT DAMPER (IF USED) EMCS - FOR EMCS CONNECTION IN PLACE OF THERMOSTAT, REFER TO EMCS INSTALLATION/OPERATING MANUAL.

6. L.W.C.O., ADDITIONAL HIGH LIMIT, ETC., WIRED IN SERIES.

DENOTES FIELD INSTALLED CHASSIS GROUND.

8. PILOT LEADWIRES ARE NOT FIELD REPLACEABLE, REPLACE PILOT ASSEMBLY IF NECESSARY.

SUPPLIED WITH THE APPLIANCE MUST BE REPLACED, TYPE 105°C OR ITS EQUIVALENT MUST

85 thru 125

· Natural Gas

Float-Type Low Water Cut Off

LOW VOLTAGE FIELD

HIGH VOLTAGE FIELD LOW VOLTAGE FACTORY

Intermittent Pilot

HIGH VOLTAGE FACTORY IGNITION CABLE

Steam, With or Without Tankless



SPARK

**WEIL-McLAIN** 

IGNITOR

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PART NUMBER 550-223-817/0196WM

9. OPERATING CONTROL REQUIRED WITH TANKLESS HEATER.