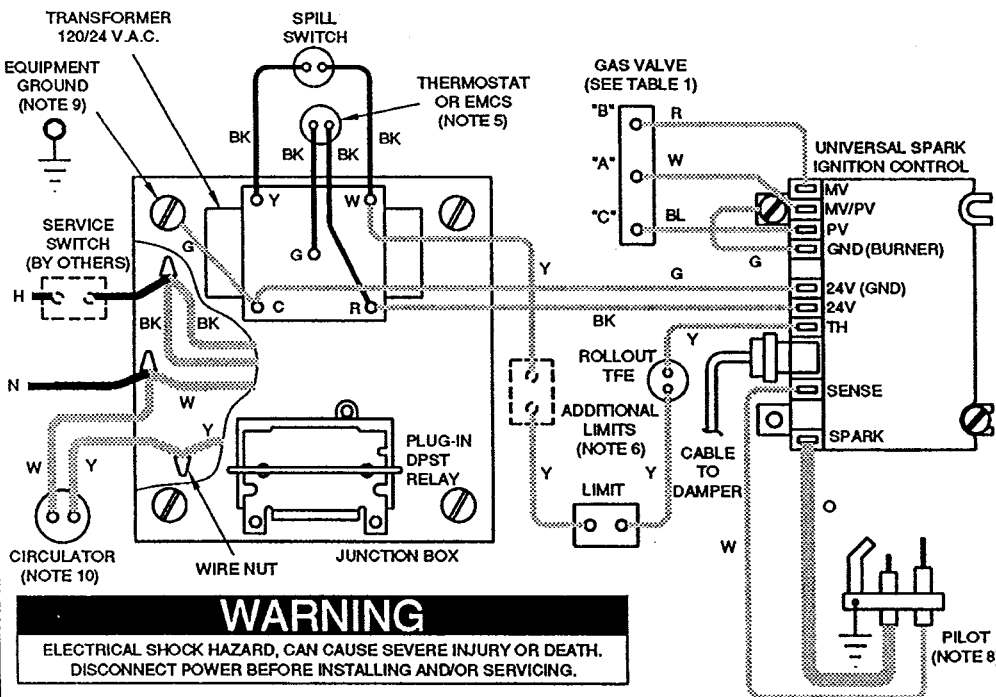


# SCHEMATIC WIRING DIAGRAM

# LADDER WIRING DIAGRAM

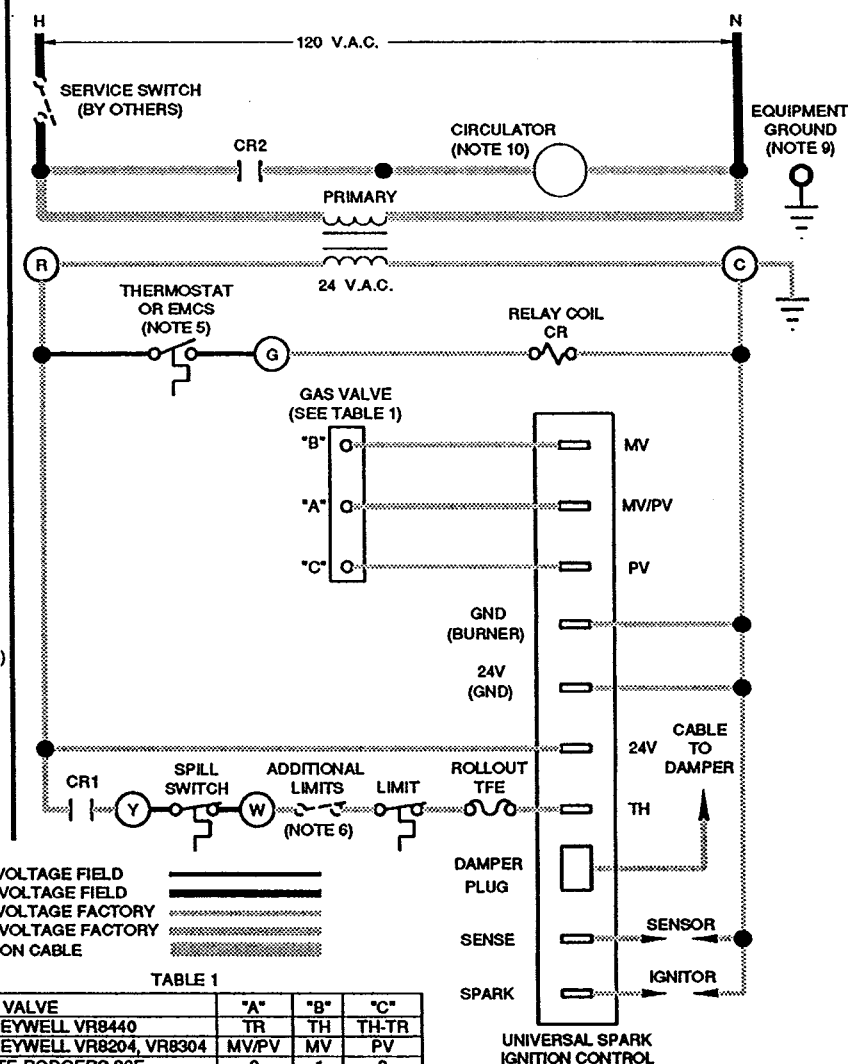


## WARNING

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

### NOTES:

- ALL WIRING MUST BE INSTALLED IN ACCORDANCE WITH:
  - U.S.A. - NATIONAL ELECTRICAL CODE AND ANY OTHER NATIONAL, STATE OR LOCAL CODE REQUIREMENTS HAVING JURISDICTION.
  - CANADA - C.S.A. C22.1 CANADIAN ELECTRICAL CODE PART 1 AND ANY OTHER NATIONAL, PROVINCIAL OR LOCAL CODE REQUIREMENTS HAVING JURISDICTION.
- ALL WIRING MUST BE:
  - U.S.A. - N.E.C. CLASS 1.
  - CANADA - C.S.A. C22.1 C.E.C. PART 1.
- 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 SUPPLIED WITH THE APPLIANCE MUST BE REPLACED, TYPE 105°C OR ITS EQUIVALENT MUST BE USED.
- REFER TO CONTROL COMPONENT INSTRUCTIONS PACKED WITH BOILER FOR APPLICATION INFORMATION.
- THERMOSTAT - FOR SINGLE ZONE SYSTEMS, THERMOSTAT ANTICIPATOR SETTING IS 0.40 AMPS. FOR MULTIPLE ZONE SYSTEMS USING ZONE VALVES OR CIRCULATORS, REFER TO COMPONENT MANUFACTURER'S INSTRUCTIONS FOR APPLICATION WIRING AND THERMOSTAT ANTICIPATOR SETTING.  
EMCS - FOR EMCS CONNECTION IN PLACE OF THERMOSTAT, REFER TO EMCS INSTALLATION/OPERATING MANUAL.
- L.W.C.O., ADDITIONAL HIGH LIMIT, WIRED IN SERIES.
- ALL CONTACTS SHOWN WITHOUT POWER APPLIED - OFF SHELF CONDITION.
- PILOT LEADWIRES ARE NOT FIELD REPLACEABLE. REPLACE PILOT ASSEMBLY IF NECESSARY.
- ⊕ DENOTES FIELD INSTALLED CHASSIS GROUND.
- CIRCULATOR IS FIELD INSTALLED AND WIRED FOR PFG-5 BOILER.



LOW VOLTAGE FIELD  
HIGH VOLTAGE FIELD  
LOW VOLTAGE FACTORY  
HIGH VOLTAGE FACTORY  
IGNITION CABLE

TABLE 1

GAS VALVE	"A"	"B"	"C"
HONEYWELL VR8440	TR	TH	TH-TR
HONEYWELL VR8204, VR8304	MV/PV	MV	PV
WHITE-RODGERS 36E	2	1	3
WHITE-RODGERS 36C	2-4*	1	3
ROBERTSHAW 7200	C	M	P

\* FACTORY JUMPERED

**CG**  
**25 thru 8**  
**PFG-5**

- Intermittent Pilot
- Natural Gas
- Forced Hot Water

**WEIL-McLAIN**

A Division of The Marley Company  
Michigan City, Indiana 46360

PART NUMBER 550-224-103/0392WM