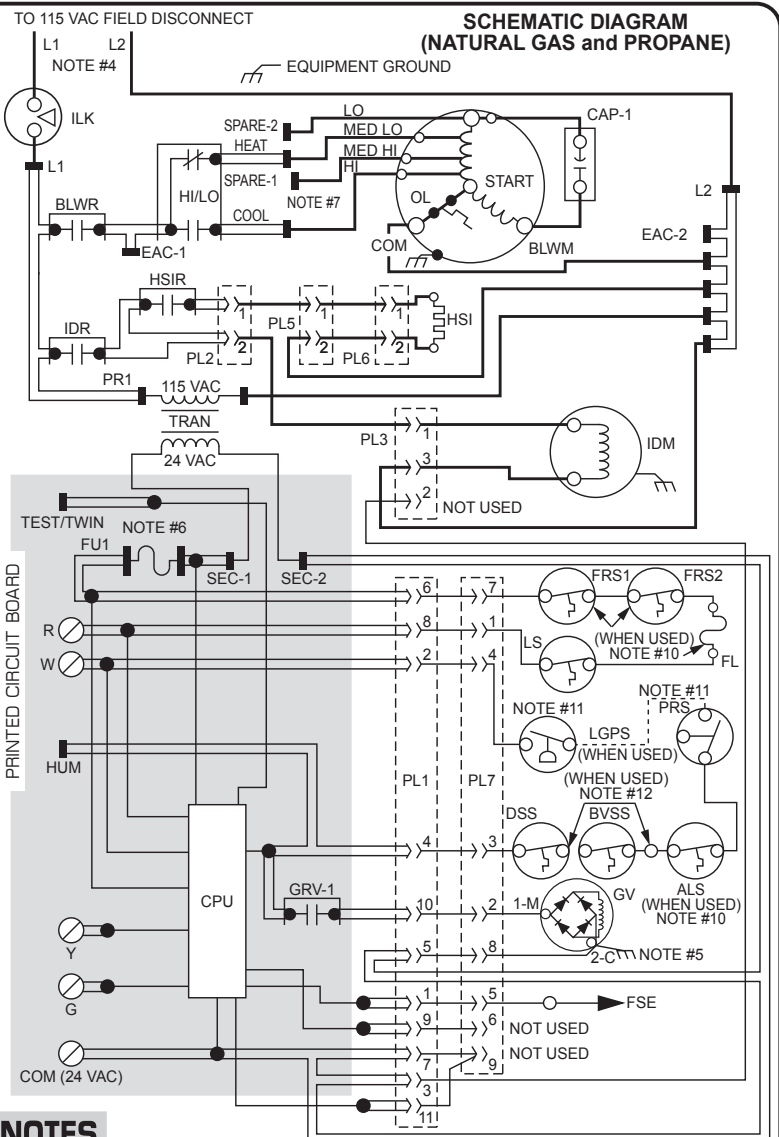


LEGEND		PCB	Printed Circuit Board
BHT/CLR	Blower Motor Speed Change Relay, SPDT	PL1	11-Circuit PCB Connector
BLWR	Blower Motor Relay, SPST-(N.O.)	PL2	2-Circuit PCB Connector
BLWM	Blower Motor	PL3	3-Circuit Adapter Connector
CAP	Capacitor	PL5	2-Circuit Adapter Connector
CPU	Microprocessor and Circuitry	PL6	2-Circuit HSI Connector
EAC-1	Electronic Air Cleaner Connection (115 VAC 1.5 Amp Max.)	PL7	9-Circuit Adapter Connector
EAC-2	Electronic Air Cleaner Connection (Common)	PRS	Pressure Switch, SPST-(N.O.)
FL	Fuse Link	TEST/TWIN	Component Test and TWIN Terminal
FRS	Flame Rollout S/W - Manual Reset, SPST-(N.C.)	TRAN	Transformer - 115 VAC/24 VAC
FSE	Flame-Proving Electrode	●	Junction
FU1	Fuse, 3 Amp, Automotive Blade Type, Factory Installed	○	Unmarked Terminal
FU2	Fuse of Circuit Breaker Current Interrupt Device (Field Installed and Supplied)	■	PCB Terminal
GND	Equipment Ground	—	Factory Wiring (115 VAC)
GV	Gas Valve - Redundant Operators	---	Factory Wiring (24 VAC)
GVR	Gas Valve Relay, DPST-(N.O.)	----	Field Wiring (115 VAC)
HI/LO	Blower Motor Speed Change Relay, SPDT	-----	Field Wiring (24 VAC)
HSI	Hot Surface Ignitor (115 VAC)	=====	Conductor on PCB
HSIR	Hot Surface Ignitor Relay, SPST-(N.O.)	○	Field Wiring Terminal
HUM	24 VAC Humidifier Connection (5 Amp Max.)	⊕	Field Earth Ground
IDM	Induced Draft Motor	⏏	Equipment Ground
IDR	Induced Draft Relay, SPST-(N.O.)	⏏	Field Splice
ILK	Blower Access Panel Interlock Switch, SPST-(N.O.)	→	Plug Receptacle
JB	Junction Box		
LED	Light-Emitting Diode for Status Codes		
LGPS	Low Gas Pressure Switch, SPST (N.O.)		
LS	Limit Switch, Auto Reset, SPST (N.C.)		
OL	Auto-Reset Internal Motor Overload Temperature Switch (N.C.)		



- ### NOTES
1. If any of the original equipment wire is replaced, use wire rated for 105°C.
 2. Inducer (IDM) and blower (BLWM) motors contain internal auto-reset thermal overload switches (OL).
 3. Blower motor speed selections are for average conditions. See installation instructions for details on optimum speed selection.
 4. Use only copper wire between the disconnect switch and the furnace junction box (JB).
 5. The wire must be connected to furnace sheet metal for control to detect flame.
 6. Replace only with 3 amp fuse.
 7. Blower-ON delay, gas heating 25, 45 or 65 seconds, cooling or heat pump 2 seconds.
 8. Blower-OFF delay, gas heating 90, 120, 150 or 180 seconds, cooling or heat pump 90 seconds or 5 seconds when J2 is cut.
 9. Ignition-lockout will occur after four consecutive unsuccessful trials-for-ignition. Control will auto reset after three hours.
 10. When used, auxiliary limit switch (ALS) is on some downflow models only. When used, FL is on upflow models only. FRS1 and FRS2 only used on downflow and horizontal models.
 11. Factory connected when LGPS is not used.
 12. Factory connected when BVSS is not used. BVSS used when Chimney Adapter Accessory Kit is installed.
 13. Neutral connections are interchangeable within the NEUTRAL connector block.