

Wiring Diagrams

INDEX

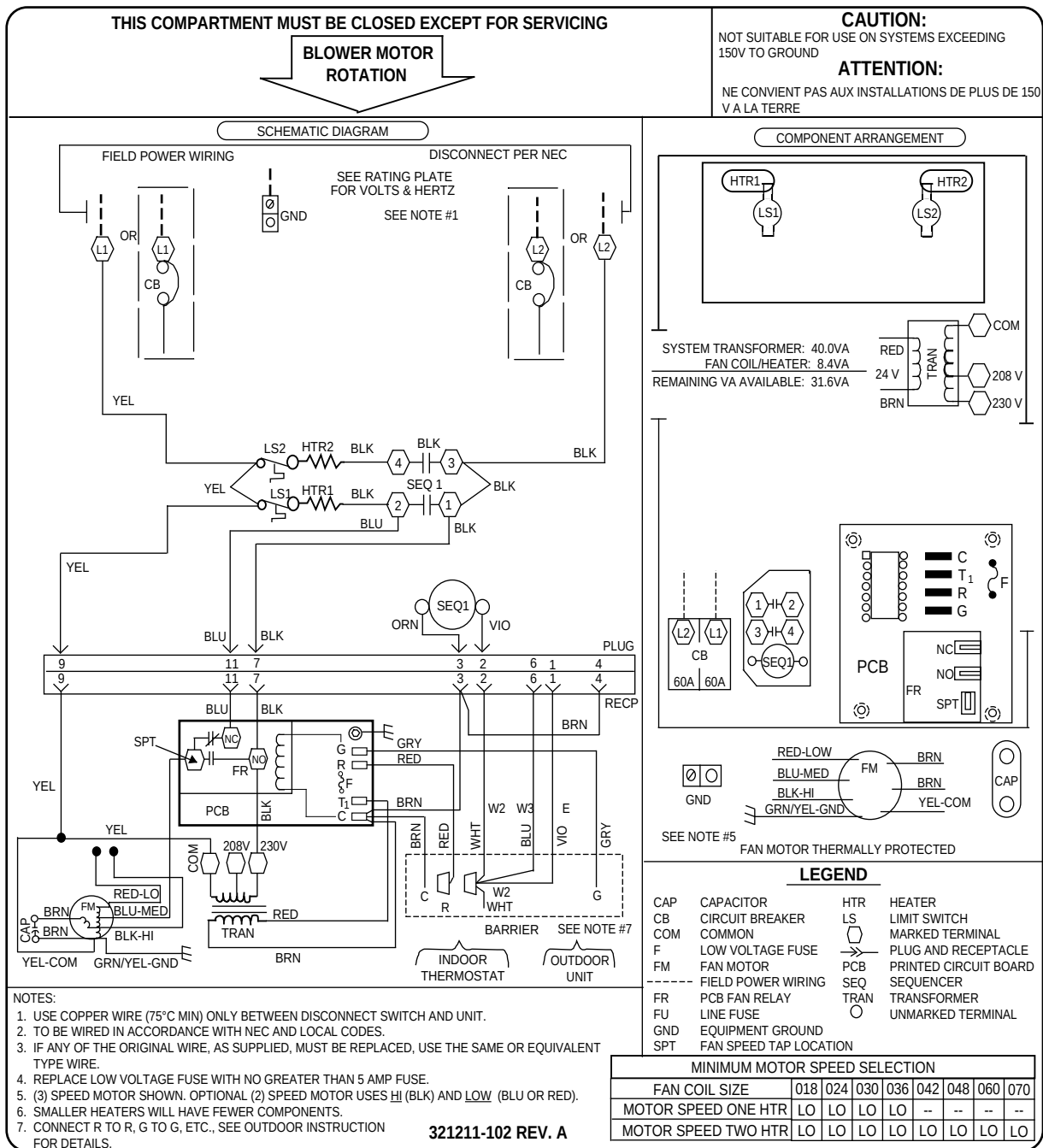
MODEL NUMBER	DESCRIPTION NOM KW AT 240V	LABEL DIAGRAM	FIGURE
Electric Heater Field Installed			
KFAEH0101N03 KFAEH1201C03 KFAEH0201N05 KFAEH1301C05 KFAEH0301N08 KFAEH1401C08 KFAEH0401N10 KFAEH1501C10	3 Non-fused 3 Circuit Breaker 5 Non-fused 5 Circuit Breaker 8 Non-fused 8 Circuit Breaker 10 Non-fused 10 Circuit Breaker	321211-102	1
KFAEH0501F15 KFAEH1601C15 KFAEH1801S15 KFAEH0601F20 KFAEH1701C20 KFAEH1901S20	15 Fused (Multi-Circuit) 15 Circuit Breaker 15 Fused 20 Fused (Multi-Circuit) 20 Circuit Breaker 20 Fused	321212-102	2
KFAEH1001F24 KFAEH1101F30 KFAEH2001S24 KFAEH2101S30	24 Fused (SGL-CKT. 3 PH.) 30 Fused (SGL-CKT. 3 PH.) 24 Fused (SGL-CKT. 3 PH.) 30 Fused (SGL-CKT. 3 PH.)	321207-102 & 321215-102	3 and 4
KFAEH0801315	15 Non-fused (3 PH.) Heaters Produced After 1-23-95	322269-102	5
KFAEH0701309 KFAEH0801315	9 Non-fused (3 PH.) 15 Non-fused (3 PH.)	321216-102	6
KFAEH2501N09	9 Non-fused (1 PH. and 3 PH.)	322267-102	7
KFAEH2601F15 KFAEH2701S15 KFAEH2801C15	15 Fused (Multi-circuit)	322268-102	8
KFAEH0901318	18 Non-fused (3 PH.)	321216-102	9
KFAEH2201H10	10 Non-fused	321249-101	10
KFAEH2301H15	15 Fused	322250-101	11
KFAEH2401H20	20 Fused	322251-101	12
FA4ANF018000-B FA4ANF024000-B FA4ANF030000-B FA4ANF036000-B FA4ANF042000-B FA4ANF048000-C FA4ANF060000-B FB4ANB042000-C FB4ANB048000-C FB4ANB048000-D FB4ANB060000-C FB4ANB070000-C	0 Cooling Control 0 Cooling Control (Modular)	321210-101	13

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.

MODEL NUMBER	DESCRIPTION NOM KW AT 240V	LABEL DIAGRAM	FIGURE
FB4ANF018000-C FB4ANF024000-C FB4ANF030000-C FB4ANF036000-C FB4ANF042000-C FB4ANF048000-D FB4ANF060000-C FB4ASB042000-B FB4ASB048000-B FB4ASB060000-B FB4ASB070000-A FB4ASF018000-B FB4ASF024000-B FB4ASF030000-B FB4ASF036000-B FB4ASF042000-B FB4ASF048000-C FB4ASF060000-B FC4BNB042000-B FC4BNB048000-B FC4BNB048000-C FC4BNB054000-B FC4BNB060000-B FC4BNB070000-B FC4BNF024000-B FC4BNF030000-B FC4BNF033000-B FC4BNF036000-B FC4BNF038000-B FC4BNF042000-B FC4BNF048000-C FC4BNF060000-B FH4ANB003000-B FH4ANB003000-C FH4ANB004000-B FH4ANF001000-B FH4ANF002000-B FH4ANF003000-C FH4ANF004000-B	0 Cooling Control 0 Cooling Control (Modular) 0 Cooling Control 0 Cooling Control (Modular) 0 Cooling Control 0 Cooling Control (Modular) 0 Cooling Control	321210-101	13
Units With Factory Installed Heaters			
FA4ANF018005-B FA4ANF018008-B FA4ANF018010-B FA4ANF024005-B FA4ANF024008-B FA4ANF024010-B FA4ANF030005-B FA4ANF030008-B FA4ANF030010-B FA4ANF036005-B FA4ANF036008-B FA4ANF036010-B FA4ANF042008-B FA4ANF042010-B FA4ANF048008-C FA4ANF048010-C FA4ANF060008-B FA4ANF060010-B FB4ANB042008-C FB4ANB042010-C FB4ANB048008-C FB4ANB048008-D FB4ANB048010-C FB4ANB048010-D FB4ANB060008-C	5 Non-Fused 8 Non-Fused 10 Non-Fused 5 Non-Fused 8 Non-Fused 10 Non-Fused 5 Non-Fused 8 Non-Fused 10 Non-Fused 5 Non-Fused 8 Non-Fused 10 Non-Fused 8 Non-Fused 10 Non-Fused 8 Non-Fused 10 Non-Fused 8 Non-Fused 10 Non-Fused 8 Non-Fused (Modular) 10 Non-Fused (Modular) 8 Non-Fused (Modular) 8 Non-Fused (Modular) 10 Non-Fused (Modular) 10 Non-Fused (Modular) 8 Non-Fused (Modular)	321211-101	14

MODEL NUMBER	DESCRIPTION NOM KW AT 240V	LABEL DIAGRAM	FIGURE
FB4ANB060010-C	10 Non-Fused (Modular)	321211-101	14
FB4ANB070010-C	10 Non-Fused (Modular)		
FB4ANF018005-C	5 Non-Fused		
FB4ANF018008-C	8 Non-Fused		
FB4ANF018010-C	10 Non-Fused		
FB4ANF024005-C	5 Non-Fused		
FB4ANF024008-C	8 Non-Fused		
FB4ANF024010-C	10 Non-Fused		
FB4ANF030005-C	5 Non-Fused		
FB4ANF030008-C	8 Non-Fused		
FB4ANF030010-C	10 Non-Fused		
FB4ANF036005-C	5 Non-Fused		
FB4ANF036008-C	8 Non-Fused		
FB4ANF036010-C	10 Non-Fused		
FB4ANF042008-C	8 Non-Fused		
FB4ANF042010-C	10 Non-Fused		
FB4ANF048008-D	8 Non-Fused		
FB4ANF048010-D	10 Non-Fused		
FB4ANF060008-C	8 Non-Fused		
FB4ANF060010-C	10 Non-Fused		
FC4BNB042008-B	8 Non-Fused (Modular)		
FC4BNB042010-B	10 Non-Fused (Modular)		
FC4BNB048008-B	8 Non-Fused (Modular)		
FC4BNB048008-C	8 Non-Fused (Modular)		
FC4BNF048010-B	10 Non-Fused (Modular)		
FC4BNB048010-C	10 Non-Fused (Modular)		
FC4BNB060008-B	8 Non-Fused (Modular)		
FC4BNB060010-B	10 Non-Fused (Modular)		
FC4BNB070010-B	10 Non-Fused (Modular)		
FC4BNF024005-B	5 Non-Fused		
FC4BNF024008-B	8 Non-Fused		
FC4BNF024010-B	10 Non-Fused		
FC4BNF030005-B	5 Non-Fused		
FC4BNF030008-B	8 Non-Fused		
FC4BNF030010-B	10 Non-Fused		
FC4BNF036005-B	5 Non-Fused		
FC4BNF036008-B	8 Non-Fused		
FC4BNF036010-B	10 Non-Fused		
FC4BNF042008-B	8 Non-Fused		
FC4BNF042010-B	10 Non-Fused		
FC4BNF048008-C	8 Non-Fused		
FC4BNF048010-C	10 Non-Fused		
FC4BNF060008-B	8 Non-Fused		
FC4BNF060010-B	10 Non-Fused		
FA4ANF030015-B	15 Fused	321212-101	15
FA4ANF036015-B	15 Fused		
FA4ANF042015-B	15 Fused		
FA4ANF042020-B	20 Fused		
FA4ANF048015-C	15 Fused		
FA4ANF048020-C	20 Fused		
FA4ANF060020-B	20 Fused		
FB4ANB042015-C	15 Fused (Modular)		
FB4ANB042020-C	20 Fused (Modular)		
FB4ANB048015-C	15 Fused (Modular)		
FB4ANB048015-D	15 Fused (Modular)		
FB4ANB048020-C	20 Fused (Modular)		
FB4ANB048020-D	20 Fused (Modular)		
FB4ANB060020-C	20 Fused (Modular)		
FB4ANB070020-C	20 Fused (Modular)		
FB4ANF030015-C	15 Fused		
FB4ANF036015-C	15 Fused		
FB4ANF042015-C	15 Fused		
FB4ANF042020-C	20 Fused		
FB4ANF048015-D	15 Fused		

MODEL NUMBER	DESCRIPTION NOM KW AT 240V	LABEL DIAGRAM	FIGURE
FB4ANF048020-D FB4ANF006020-C FC4BNB042015-B FC4BNB042020-B FC4BNB048015-B FC4BNB048015-C FC4BNB048020-B FC4BNB048020-C FC4BNB060020-B FC4BNB070020-B FC4BNF030015-B FC4BNF036015-B FC4BNF042015-B FC4BNF042020-B FC4BNF048015-C FC4BNF048020-C FC4BNF006020-B	20 Fused 20 Fused 15 Fused (Modular) 20 Fused (Modular) 15 Fused (Modular) 15 Fused (Modular) 20 Fused (Modular) 20 Fused (Modular) 20 Fused (Modular) 20 Fused (Modular) 15 Fused 15 Fused 15 Fused 20 Fused 15 Fused 20 Fused 20 Fused	321212-101	15
FK4BNB005000-A FK4BNB006000-A FK4BNF001000-A FK4BNF002000-A FK4BNF003000-A FK4BNF004000-A	0 Cooling Control (Modular) 0 Cooling Control	320486-301	16
FK4BNB005005-A FK4BNF001005-A FK4BNF002005-A	5 Non-Fused (Modular) 5 Non-Fused 5 Non-Fused	320487-301	17
FK4BNF003005-A FK4BNF004005-A FK4BNB005008-A FK4BNB005010-A FK4BNB006008-A FK4BNB006010-A FK4BNF001008-A FK4BNF001010-A FK4BNF002008-A FK4BNF002010-A FK4BNF003008-A FK4BNF003010-A FK4BNF004008-A FK4BNF004010-A	5 Non-Fused 5 Non-Fused 8 Non-Fused (Modular) 10 Non-Fused (Modular) 8 Non-Fused (Modular) 10 Non-Fused (Modular) 8 Non-Fused 10 Non-Fused 8 Non-Fused 10 Non-Fused 8 Non-Fused 10 Non-Fused 8 Non-Fused 10 Non-Fused	320488-301	18
FK4BNB005015-A FK4BNB006015-A FK4BNF001015-A FK4BNF002015-A FK4BNF003015-A FK4BNF004015-A	15 Fused (Modular) 15 Fused (Modular) 15 Fused 15 Fused 15 Fused 15 Fused	320489-301	19
FK4BNB005020-A FK4BNB006020-A FK4BNF003020-A	20 Fused (Modular) 20 Fused (Modular) 20 Fused	320490-301	20
KFASP010SPK	Single-Point Wiring Kit Control Circuit Connections	—	21
—	Control Circuit Connections	—	22,32



USE THIS LABEL ON PRODUCTS WITH NEW CONTROLS. SEE INSTRUCTION FOR DESCRIPTIONS.

Fig. 1—Wiring Label 321211-102

A95026

THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING

BLOWER MOTOR
ROTATION

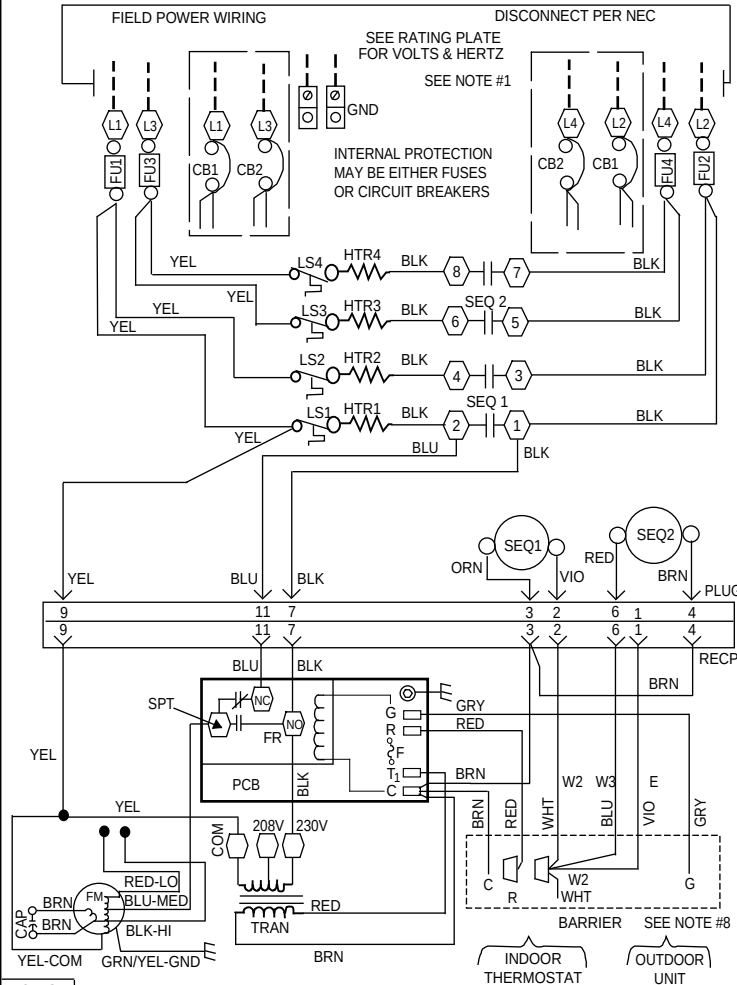
CAUTION:

NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING
150V TO GROUND

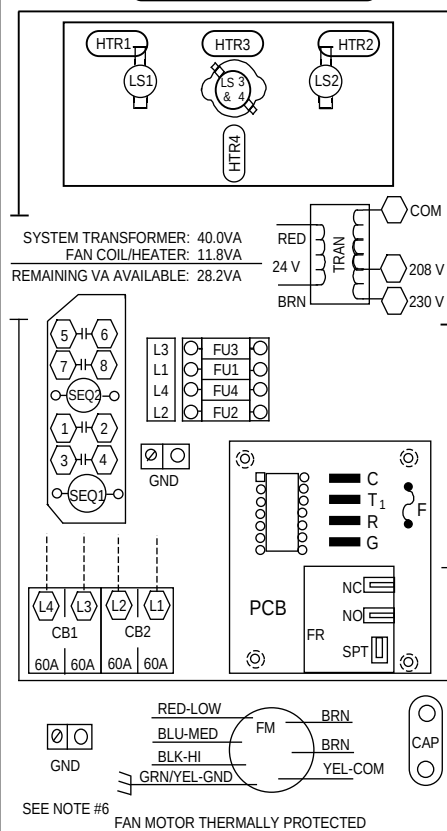
ATTENTION:

NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150
V A LA TERRE

SCHEMATIC DIAGRAM



COMPONENT ARRANGEMENT



- NOTES:
1. USE COPPER WIRE (75°C MIN.) ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
 2. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
 3. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
 4. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
 5. USE 60 AMP CLASS K FUSES ONLY, FOR REPLACEMENT.
 6. (3) SPEED MOTOR SHOWN. OPTIONAL (2) SPEED MOTOR USES HI (BLK) AND LOW (BLU OR RED).
 7. SMALLER HEATERS WILL HAVE FEWER COMPONENTS.
 8. CONNECT R TO R, G TO G, ETC., SEE OUTDOOR INSTRUCTION FOR DETAILS. 321212-102 REV. A

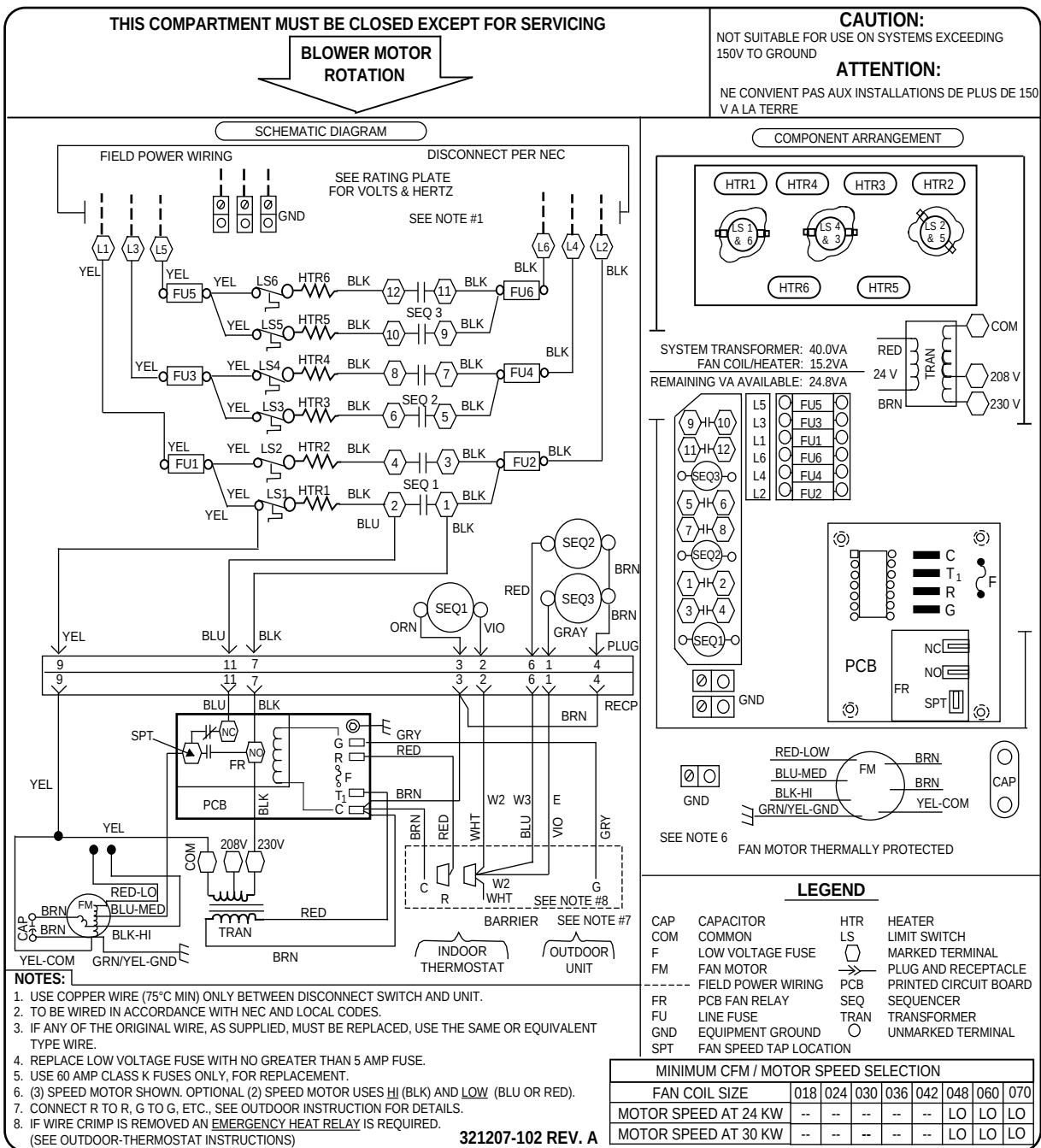
- LEGEND**
- | | | | |
|-----|------------------------|------|-----------------------|
| CB | CIRCUIT BREAKER | HTR | HEATER |
| CAP | CAPACITOR | LS | LIMIT SWITCH |
| COM | COMMON | PLUG | PLUG AND RECEPTACLE |
| F | LOW VOLTAGE FUSE | PCB | PRINTED CIRCUIT BOARD |
| FM | FAN MOTOR | SEQ | SEQUENCER |
| FR | PCB FAN RELAY | TRAN | TRANSFORMER |
| FU | LINE FUSE | | UNMARKED TERMINAL |
| GND | EQUIPMENT GROUND | | |
| SPT | FAN SPEED TAP LOCATION | | |

MINIMUM MOTOR SPEED SELECTION							
FAN COIL SIZE	018	024	030	036	042	048	060 070
MOTOR SPEED AT 15 KW	--	LO	LO	LO	LO	LO	LO
MOTOR SPEED AT 20 KW	--	--	MED	LO	LO	LO	LO

USE THIS LABEL ON PRODUCTS WITH NEW CONTROLS. SEE
INSTRUCTION FOR DESCRIPTIONS.

A95027

Fig. 2—Label Wiring 321212-102



USE THIS LABEL ON PRODUCTS WITH NEW CONTROLS. SEE INSTRUCTION FOR DESCRIPTIONS.

Fig. 3—Label Wiring 321207-102

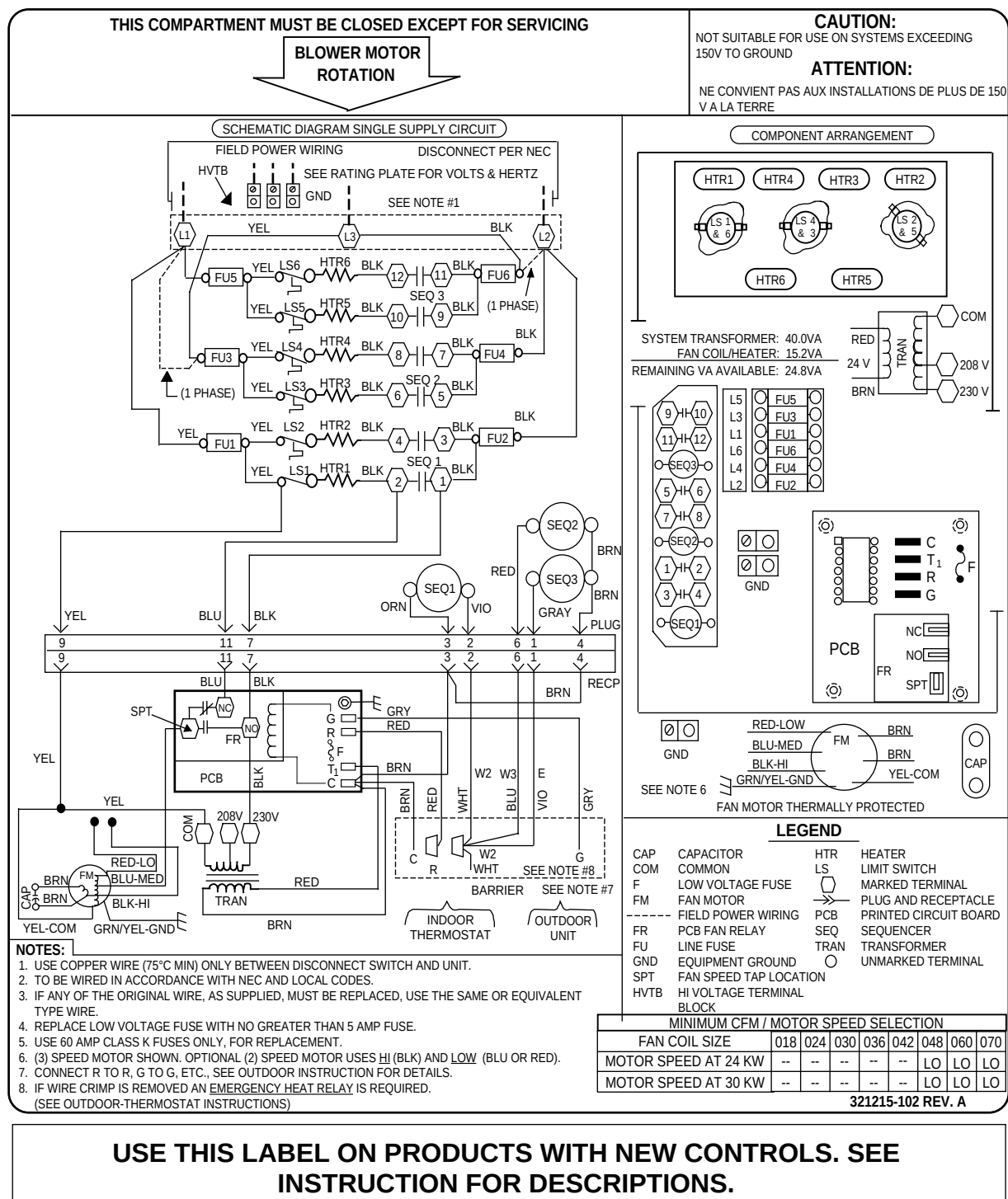
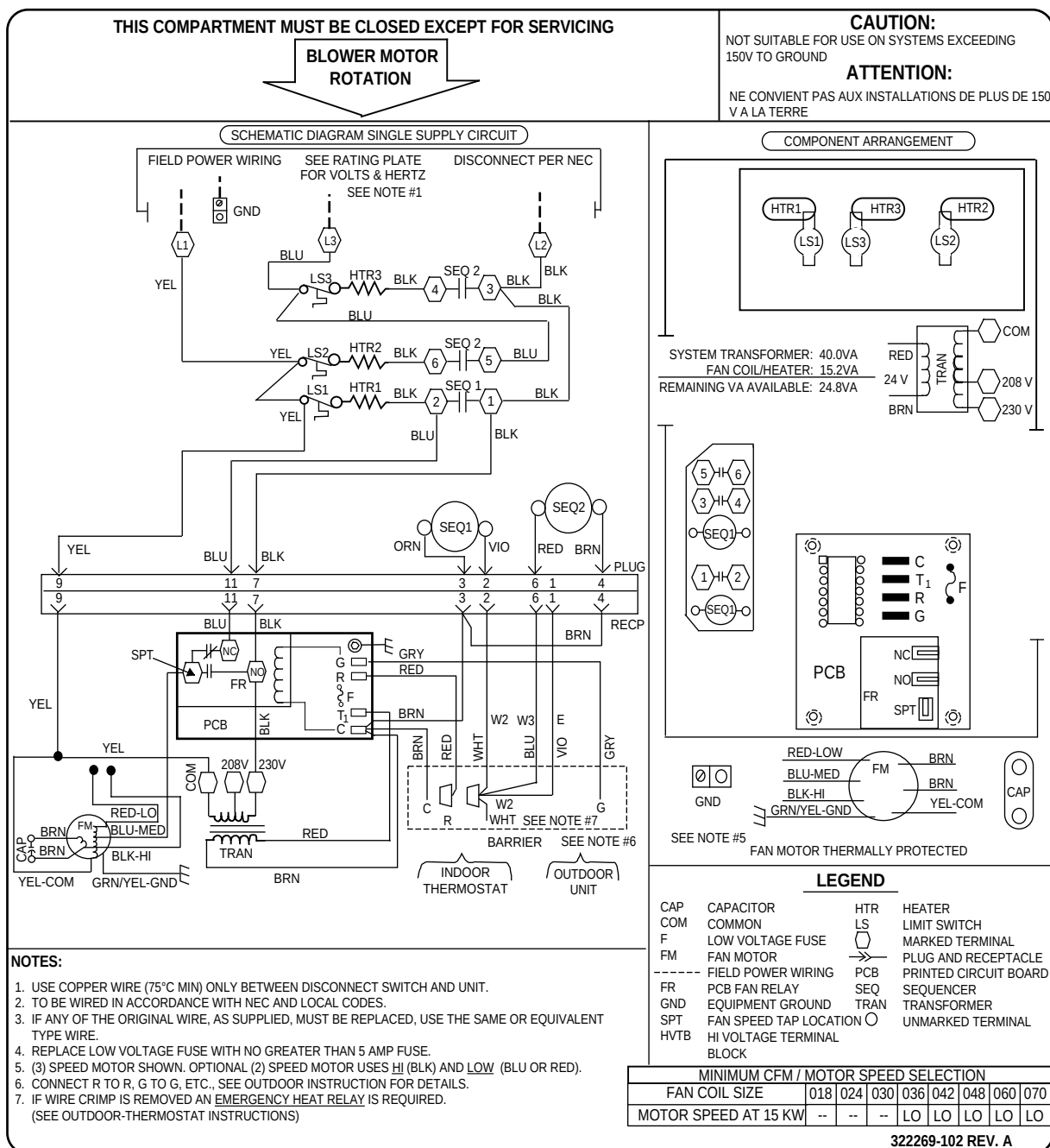


Fig. 4—Label Wiring 321215-102

A95029



USE THIS LABEL ON PRODUCTS WITH NEW CONTROLS. SEE INSTRUCTION FOR DESCRIPTIONS.

Fig. 5—Label Wiring 322269-102

A95030

THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING

BLOWER MOTOR
ROTATION

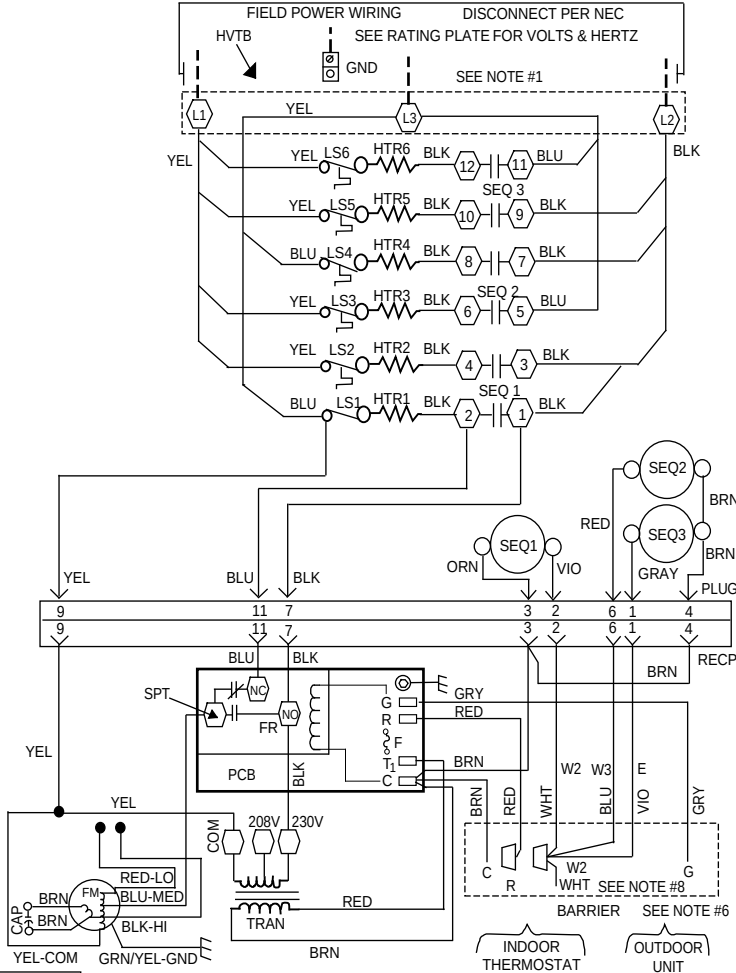
CAUTION:

NOT SUITABLE FOR USE ON SYSTEMS EXCEEDING
150V TO GROUND

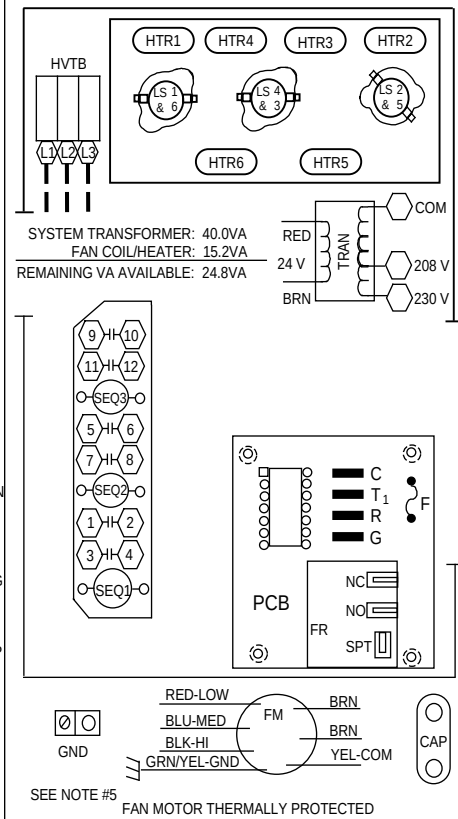
ATTENTION:

NE CONVIENT PAS AUX INSTALLATIONS DE PLUS DE 150
V A LA TERRE

SCHEMATIC DIAGRAM SINGLE SUPPLY CIRCUIT



COMPONENT ARRANGEMENT



LEGEND

CAP	CAPACITOR	HTR	HEATER
COM	COMMON	LS	LIMIT SWITCH
F	LOW VOLTAGE FUSE	MARKED TERMINAL	
FM	FAN MOTOR	PCB	PRINTED CIRCUIT BOARD
FR	FAN SPEED TAP LOCATION	SEQ	SEQUENCER
GND	EQUIPMENT GROUND	TRAN	TRANSFORMER
SPT	FAN SPEED TAP LOCATION	UNMARKED TERMINAL	
HVTB	HI VOLTAGE TERMINAL BLOCK		

NOTES:

1. USE COPPER WIRE (75°C MIN) ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
2. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
3. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
4. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
5. (3) SPEED MOTOR SHOWN. OPTIONAL (2) SPEED MOTOR USES HI (BLK) AND LOW (BLU OR RED).
6. CONNECT R TO R, G TO G, ETC., SEE OUTDOOR INSTRUCTION FOR DETAILS.
7. LARGEST HEATER SHOWN, SMALLER HEATERS HAVE FEWER COMPONENTS.
8. IF WIRE CRIMP IS REMOVED AN EMERGENCY HEAT RELAY IS REQUIRED. (SEE OUTDOOR-THERMOSTAT INSTRUCTIONS)

321216-102 REV. A

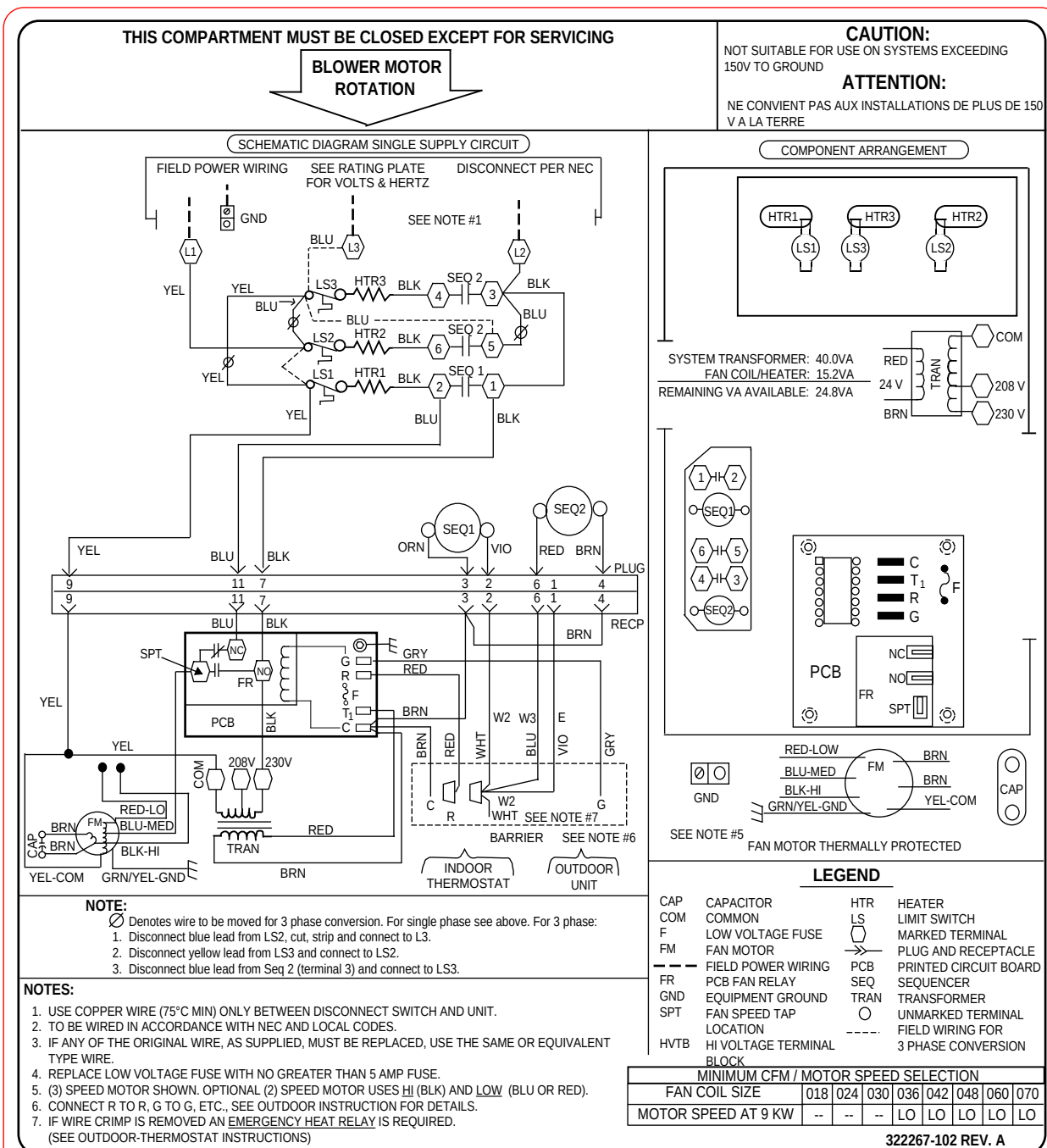
MINIMUM CFM / MOTOR SPEED SELECTION

FAN COIL SIZE	018	024	030	036	042	048	060	070
MOTOR SPEED AT 18 KW	--	--	--	--	LO	LO	LO	LO
MOTOR SPEED AT 15 KW	--	--	--	LO	LO	LO	LO	LO
MOTOR SPEED AT 9 KW	--	--	--	LO	LO	LO	LO	LO

USE THIS LABEL ON PRODUCTS WITH NEW CONTROLS. SEE
INSTRUCTION FOR DESCRIPTIONS.

A95100

Fig. 6—Label Wiring 321216-102



USE THIS LABEL ON PRODUCTS WITH NEW CONTROLS. SEE INSTRUCTION FOR DESCRIPTIONS.

Fig. 7—Label Wiring 322267-102

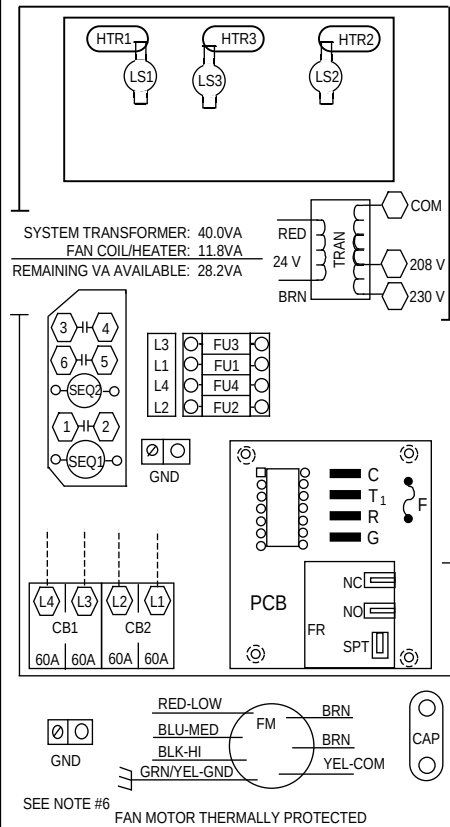
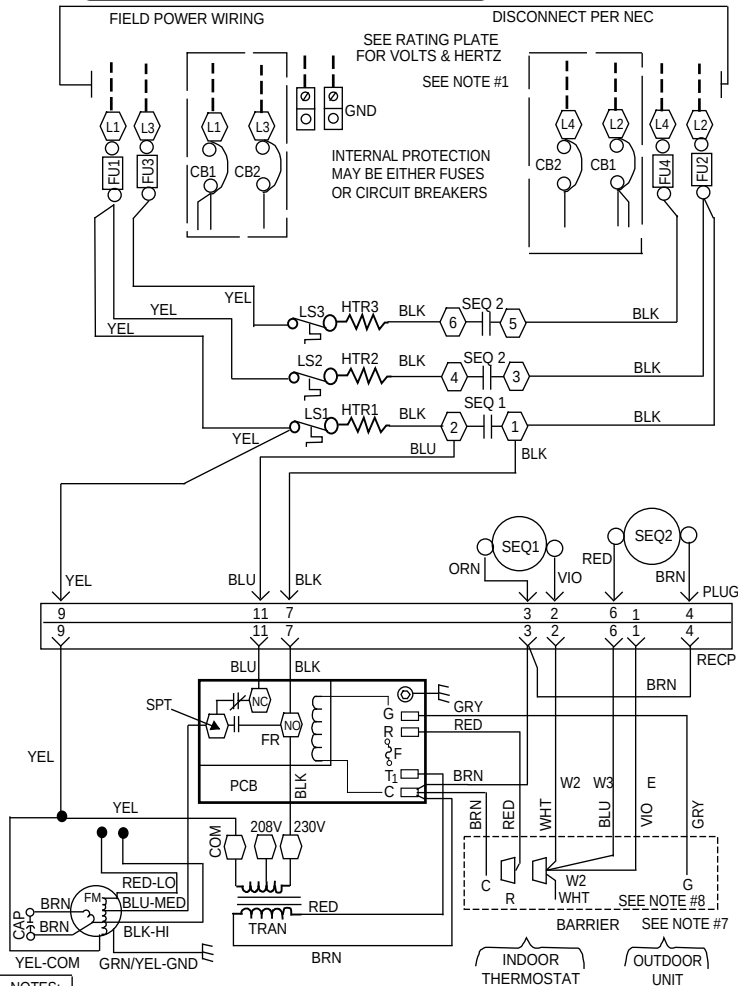
A95101

**BLOWER MOTOR
ROTATION**

ATTENTION:

SCHEMATIC DIAGRAM (LADDER FORMAT)

COMPONENT ARRANGEMENT



LEGEND

CB	CIRCUIT BREAKER	HTR	HEATER
CAP	CAPACITOR	LS	LIMIT SWITCH
COM	COMMON		MARKED TERMINAL
F	LOW VOLTAGE FUSE		PLUG AND RECEPTACLE
FM	FAN MOTOR	PCB	PRINTED CIRCUIT BOARD
-----	FIELD POWER WIRING	SEQ	SEQUENCER
FR	PCB FAN RELAY	TRAN	TRANSFORMER
FU	LINE FUSE		UNMARKED TERMINAL
GND	EQUIPMENT GROUND		
SPT	FAN SPEED TAP LOCATION		

MINIMUM MOTOR SPEED SELECTION

FAN COIL SIZE	018	024	030	036	042	048	060	070
MOTOR SPEED AT 15 KW	--	MED	LO	LO	LO	LO	LO	LO

322268-102 REV. A

NOTES:

1. USE COPPER WIRE (75 °C MIN.) ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
2. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
3. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
4. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
5. USE 60 AMP CLASS K FUSES ONLY, FOR REPLACEMENT.
6. (3) SPEED MOTOR SHOWN. OPTIONAL (2) SPEED MOTOR USES Hi (BLK) and Low (BLU OR RED).
7. CONNECT R TO R, G TO G, ETC., SEE OUTDOOR INSTRUCTION FOR DETAILS.
8. IF WIRE CRIMP IS REMOVED AN EMERGENCY HEAT RELAY IS REQUIRED. (SEE OUTDOOR-THERMOSTAT INSTRUCTIONS)

USE THIS LABEL ON PRODUCTS WITH NEW CONTROLS. SEE INSTRUCTION FOR DESCRIPTIONS.

Fig. 8—Label Wiring 322268-102

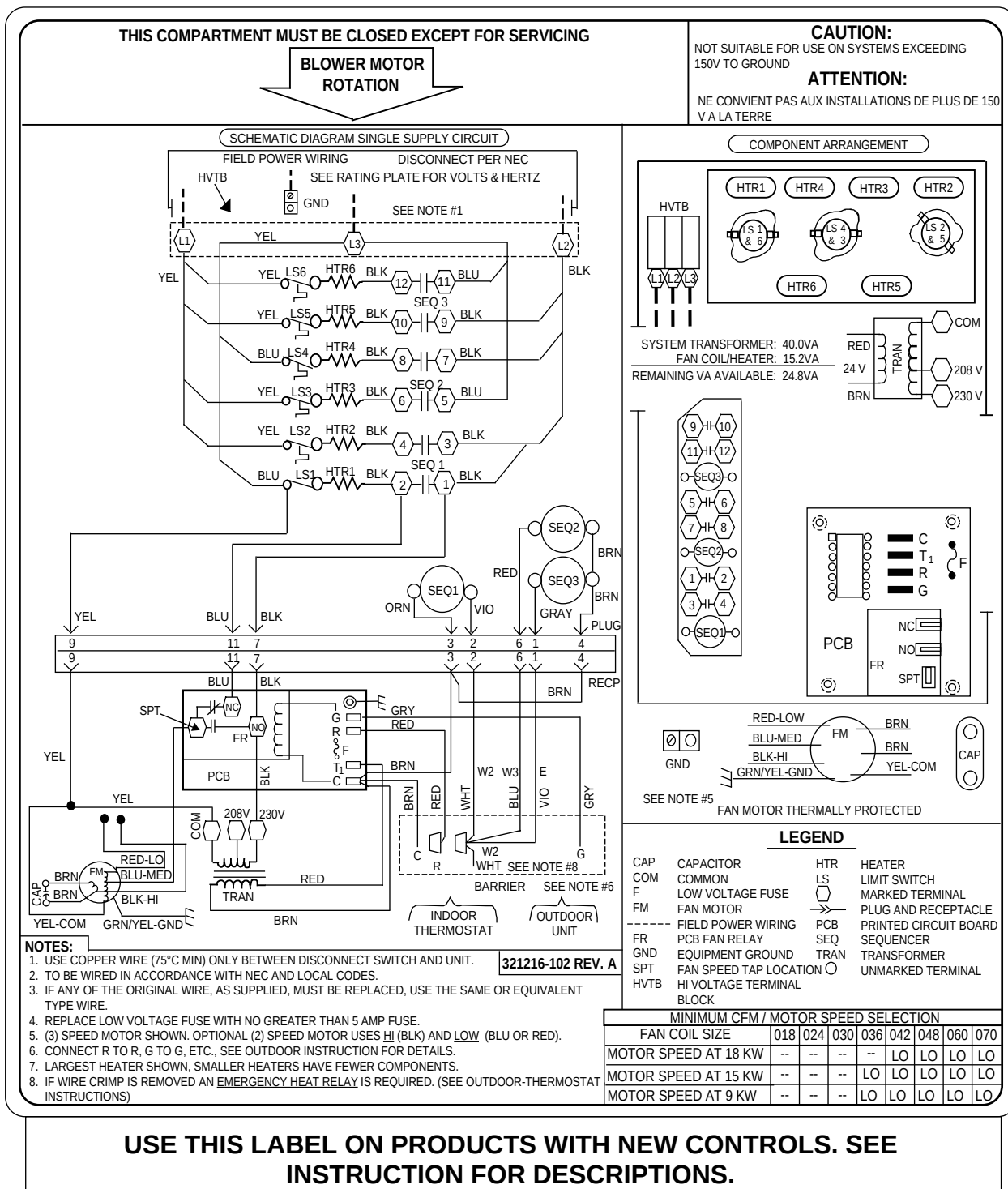


Fig. 9—Label Wiring 321216-102

A95031

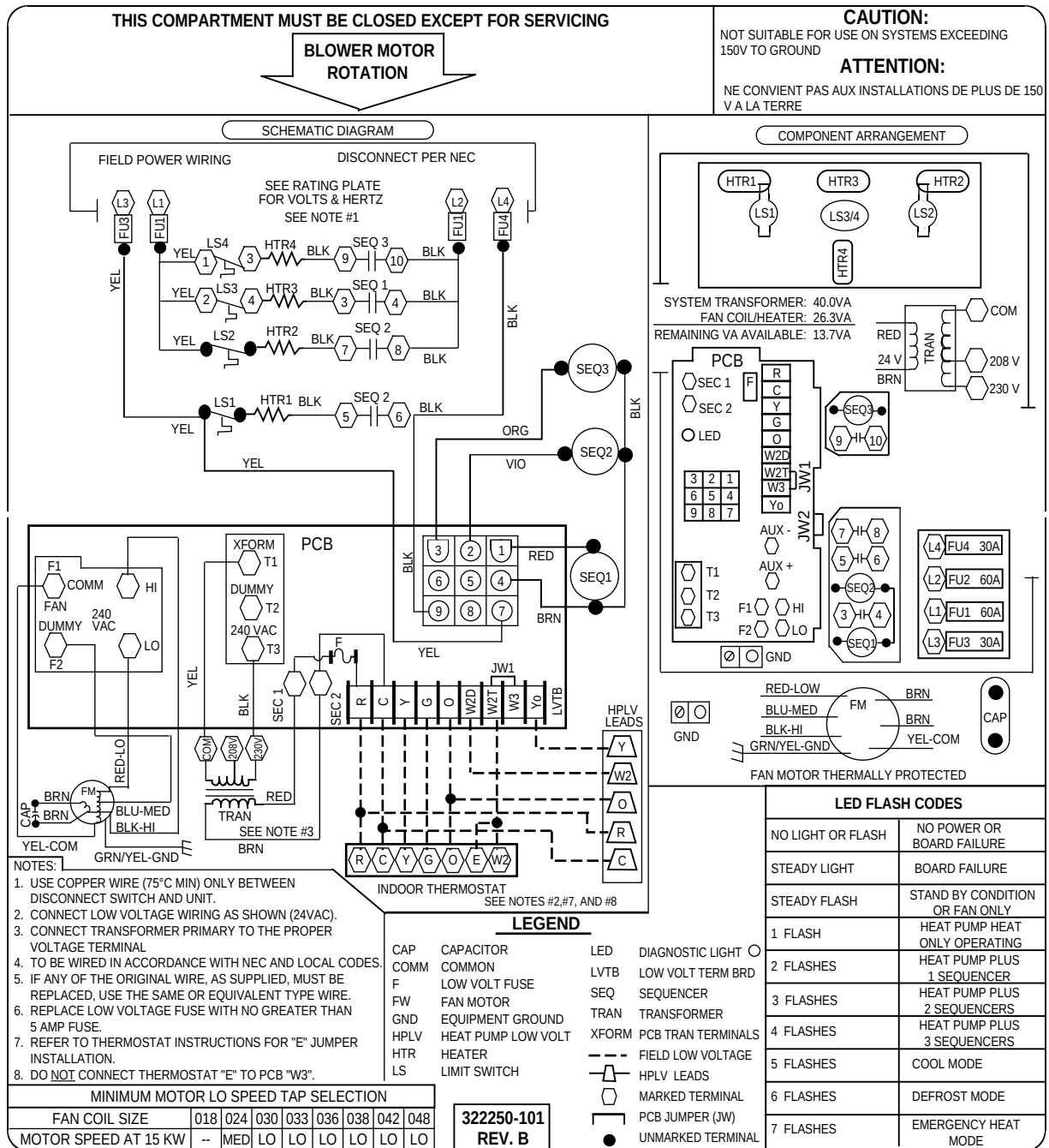


Fig. 11—Label Wiring 322250-101

A95033

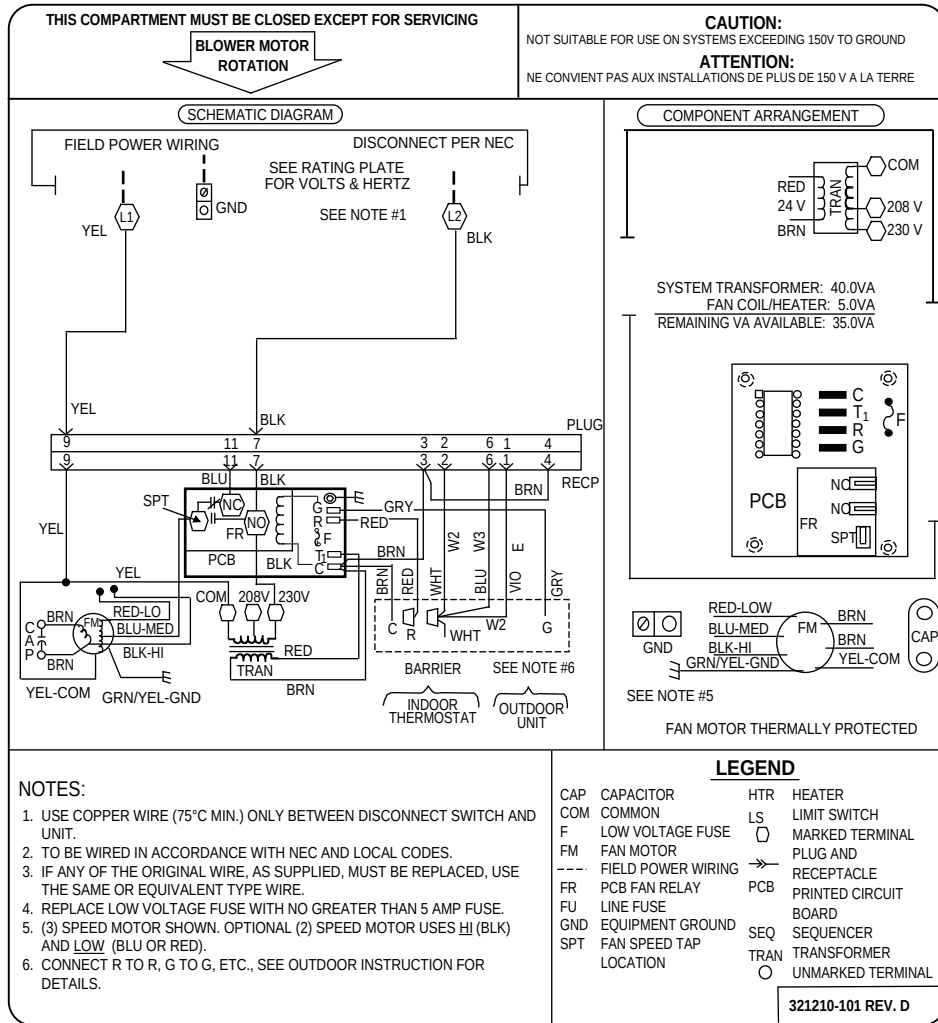


Fig. 13—Label Wiring 321210-101

A95035

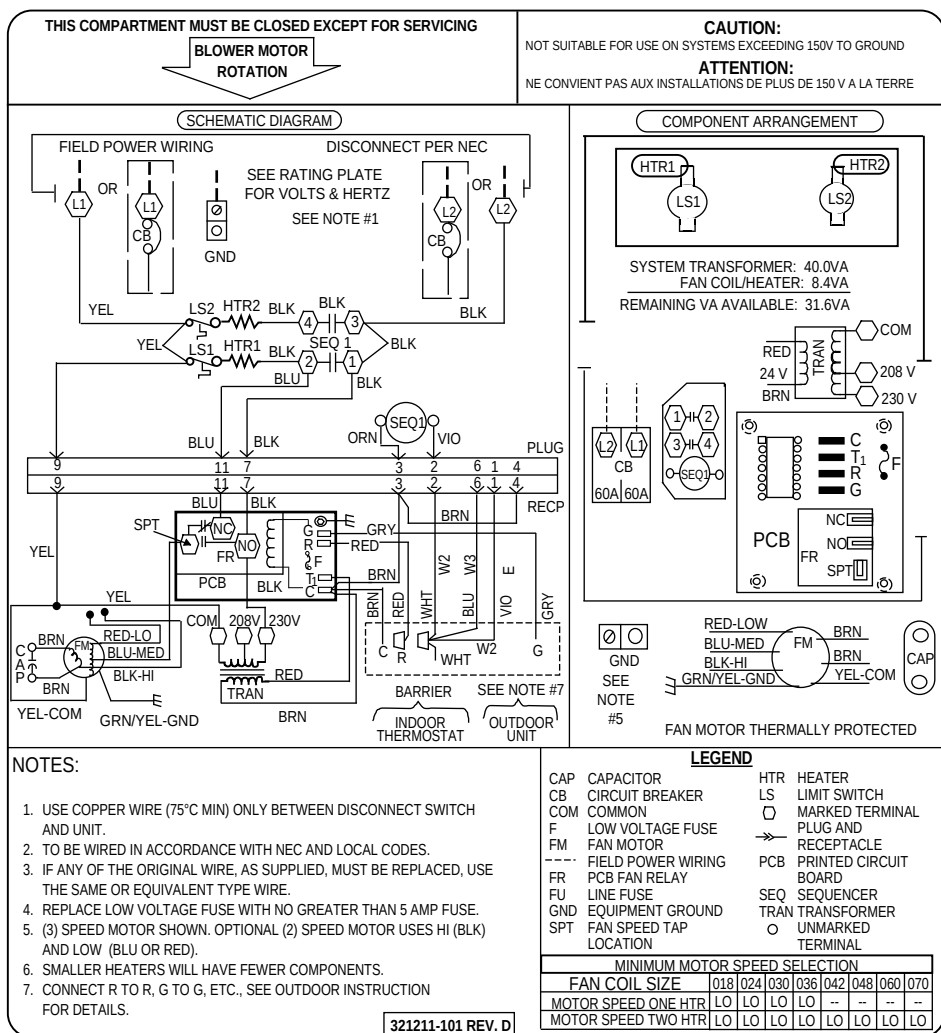


Fig. 14—Label Wiring 321211-101

A95036

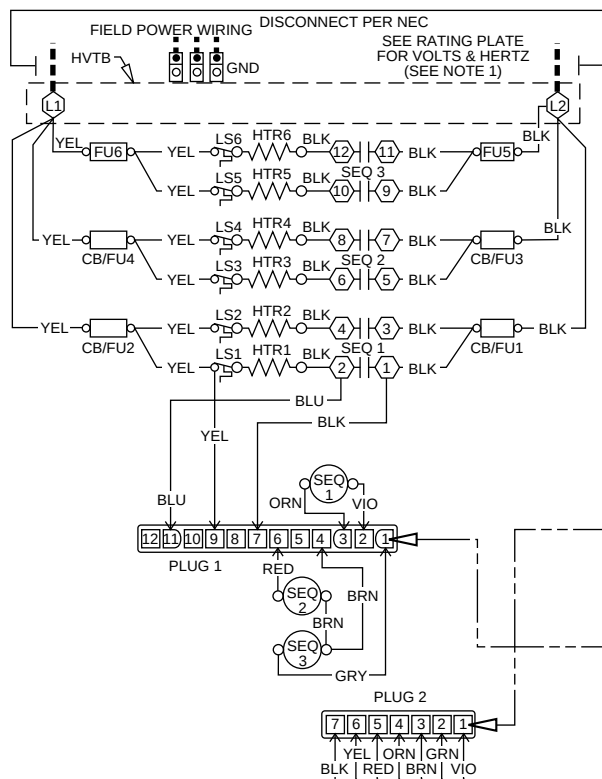
THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING

BLOWER MOTOR
ROTATION

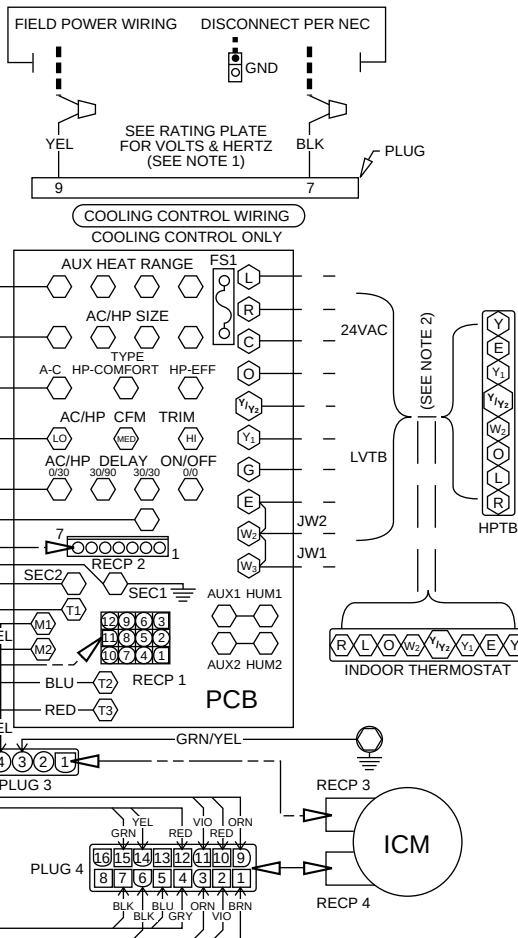
CAUTION:
NOT SUITABLE FOR USE ON SYSTEMS
EXCEEDING 150V TO GROUND

ATTENTION:
NE CONVIENT PAS AUX INSTALLATIONS
DE PLUS DE 150 V A LA TERRE

30KW 1PH SCHEMATIC DIAGRAM



SCHEMATIC DIAGRAM



NOTES:

1. USE COPPER WIRE ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
2. CONNECT (Y) TO (Y), (C) TO (C), ETC. IN PATTERN SHOWN.
3. TRANSFORMER PRIMARY LEADS: BLUE 208V, RED 230V.
4. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
5. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
6. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
7. FUSE IS WIRED IN SERIES BETWEEN TRANSFORMER SEC2 AND LOW VOLTAGE "R" CIRCUIT.
8. 20KW HEATER USES ONE DOUBLE POLE LS ON MIDDLE TOP ELEMENT.
9. 18, 24 AND 30KW HEATERS USE DOUBLE POLE LIMIT SWITCHES.
10. LARGEST HEATERS ARE SHOWN, SMALLER HEATERS WILL HAVE FEWER ELEMENTS AND COMPONENTS.
11. 1 PHASE HEATERS ARE SHOWN WIRED FOR SINGLE SUPPLY CIRCUIT, MULTIPLE SUPPLY CIRCUITS MAY BE WIRED DIRECTLY TO FUSE/C.B.'S.

- LEGEND -

- | | | | |
|------|-----------------------|------|---------------------------|
| ○ | MARKED TERMINAL | HVTB | HIGH VOLTAGE TERMINAL BOX |
| ○ | UNMARKED TERMINAL | HUM | HUMIDIFIER |
| --- | FIELD POWER WIRING | LS | LIMIT SWITCH |
| → | PLUG AND RECEPTACLE | ICM | FAN MOTOR |
| --- | PCB BREAKOFF JUMPER | TRAN | TRANSFORMER |
| AUX | AUXILIARY | GND | EQUIPMENT GROUND |
| PCB | PRINTED CIRCUIT BOARD | FU | FUSE |
| HPTB | HEAT PUMP TERM BRD | RECP | RECEPTACLE |
| LVTB | LOW VOLT TERM BRD | CB | CIRCUIT BREAKER |
| SEQ | SEQUENCER | F | LOW VOLTAGE FUSE |
| HTR | HEATER | | |

320486-301 REV. C

Fig. 16—Label Wiring 320486-301

A95038

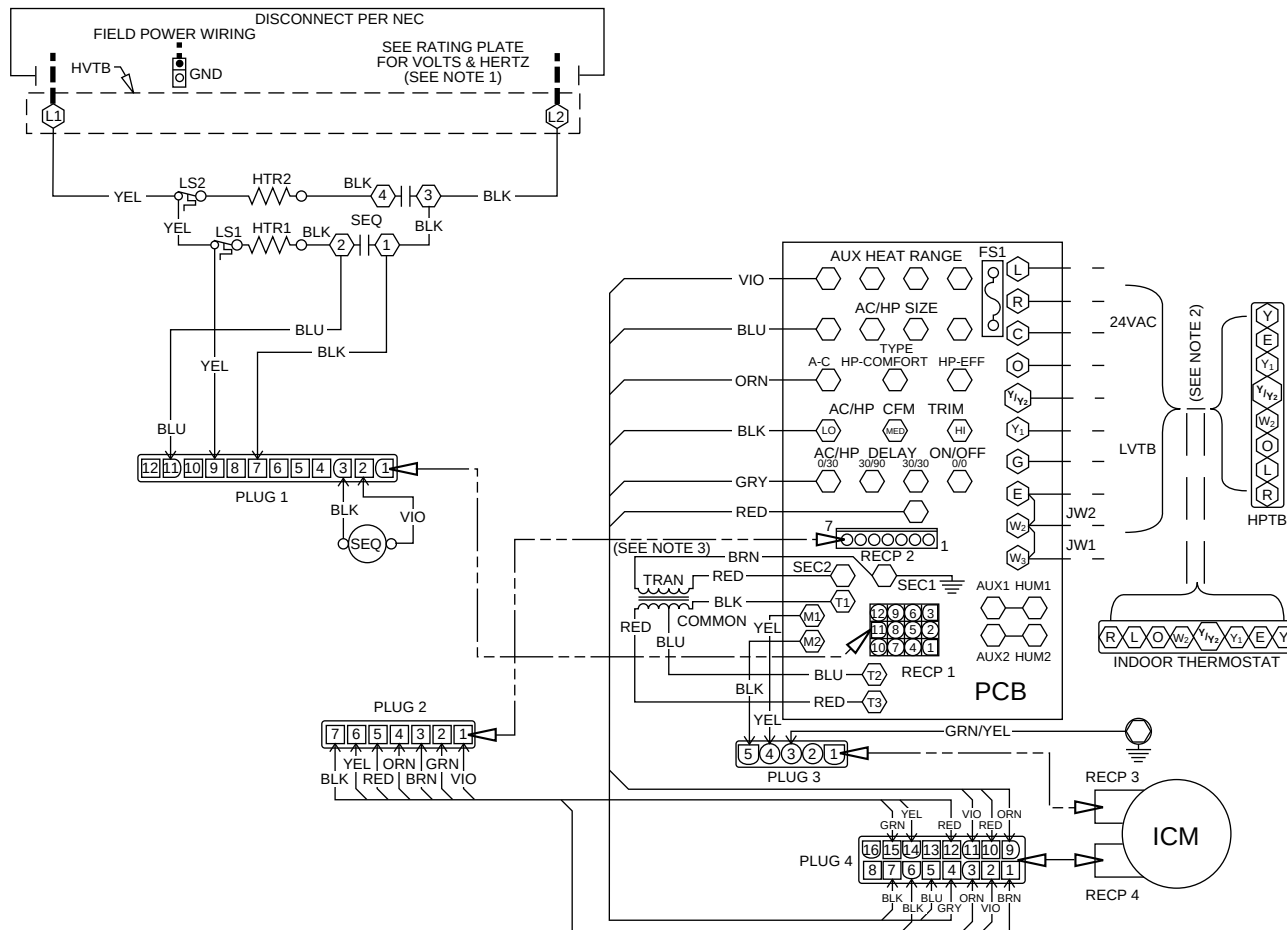
THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING

BLOWER MOTOR
ROTATION

CAUTION:
NOT SUITABLE FOR USE ON SYSTEMS
EXCEEDING 150V TO GROUND

ATTENTION:
NE CONVIENT PAS AUX INSTALLATIONS
DE PLUS DE 150 V A LA TERRE

8-10KW 1PH SCHEMATIC DIAGRAM



NOTES:

1. USE COPPER WIRE ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
2. CONNECT (Y) TO (Y), (C) TO (C), ETC. IN PATTERN SHOWN.
3. TRANSFORMER PRIMARY LEADS: BLUE 208V, RED 230V.
4. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
5. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
6. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
7. FUSE IS WIRED IN SERIES BETWEEN TRANSFORMER SEC2 AND LOW VOLTAGE "R" CIRCUIT.

- LEGEND -

○	MARKED TERMINAL	HVTB	HIGH VOLTAGE TERMINAL BOX
○	UNMARKED TERMINAL	HUM	HUMIDIFIER
---	FIELD POWER WIRING	LS	LIMIT SWITCH
→	PLUG AND RECEPTACLE	ICM	FAN MOTOR
---	PCB BREAKOFF JUMPER	TRAN	TRANSFORMER
AUX	AUXILIARY	GND	EQUIPMENT GROUND
PCB	PRINTED CIRCUIT BOARD	FS1	FUSE
HPTB	HEAT PUMP TERM BRD	RECP	RECEPTACLE
LVTB	LOW VOLT TERM BRD		
SEQ	SEQUENCER		
HTR	HEATER		

320488-301 REV. C

Fig. 18—Label Wiring 320488-301

A95040

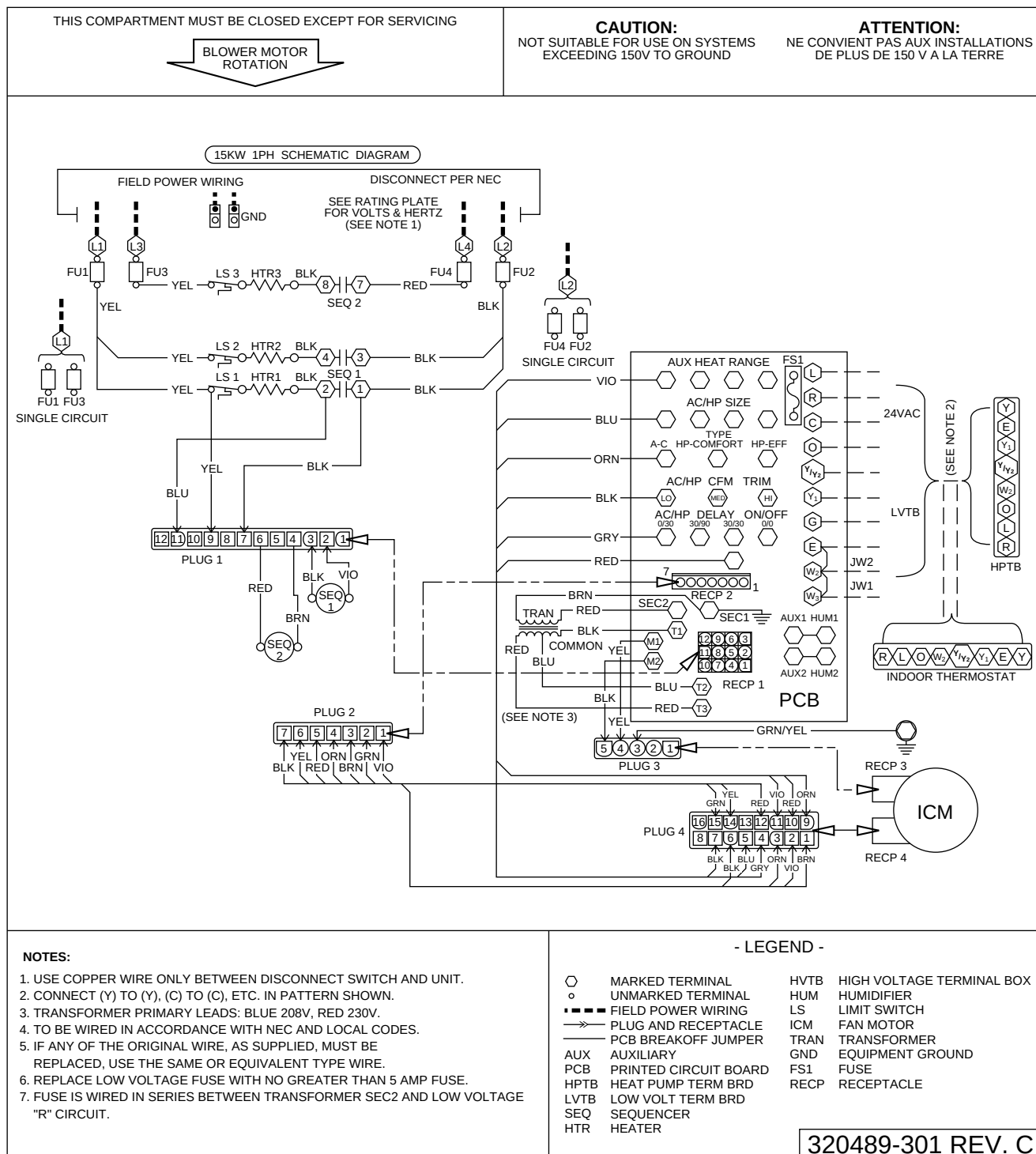


Fig. 19—Label Wiring 320489-301

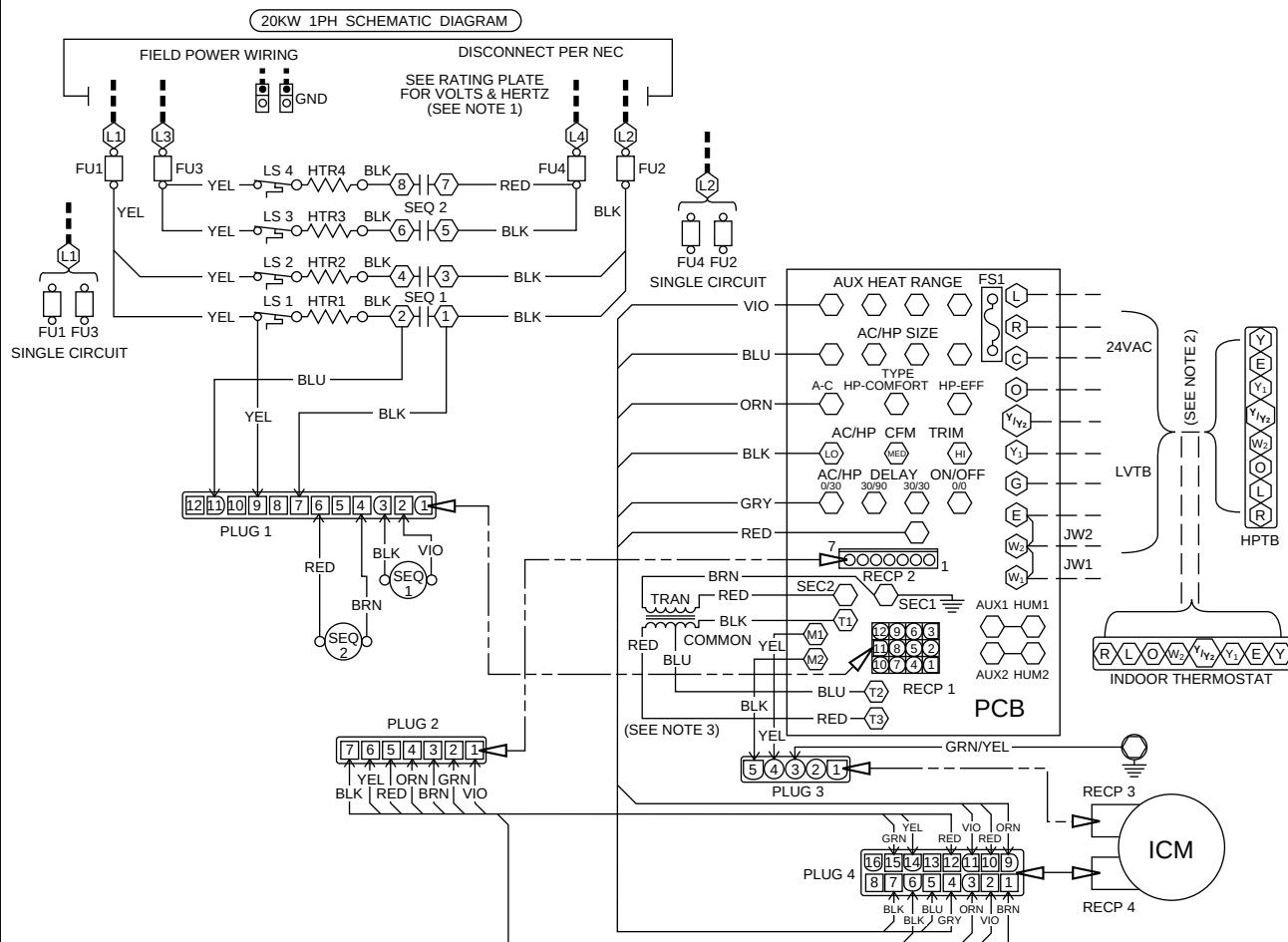
A95041

THIS COMPARTMENT MUST BE CLOSED EXCEPT FOR SERVICING

BLOWER MOTOR
ROTATION

CAUTION:
NOT SUITABLE FOR USE ON SYSTEMS
EXCEEDING 150V TO GROUND

ATTENTION:
NE CONVIENT PAS AUX INSTALLATIONS
DE PLUS DE 150 V A LA TERRE



NOTES:

1. USE COPPER WIRE ONLY BETWEEN DISCONNECT SWITCH AND UNIT.
2. CONNECT (Y) TO (Y), (C) TO (C), ETC. IN PATTERN SHOWN.
3. TRANSFORMER PRIMARY LEADS: BLUE 208V, RED 230V.
4. TO BE WIRED IN ACCORDANCE WITH NEC AND LOCAL CODES.
5. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED, MUST BE REPLACED, USE THE SAME OR EQUIVALENT TYPE WIRE.
6. REPLACE LOW VOLTAGE FUSE WITH NO GREATER THAN 5 AMP FUSE.
7. FUSE IS WIRED IN SERIES BETWEEN TRANSFORMER SEC2 AND LOW VOLTAGE "R" CIRCUIT.

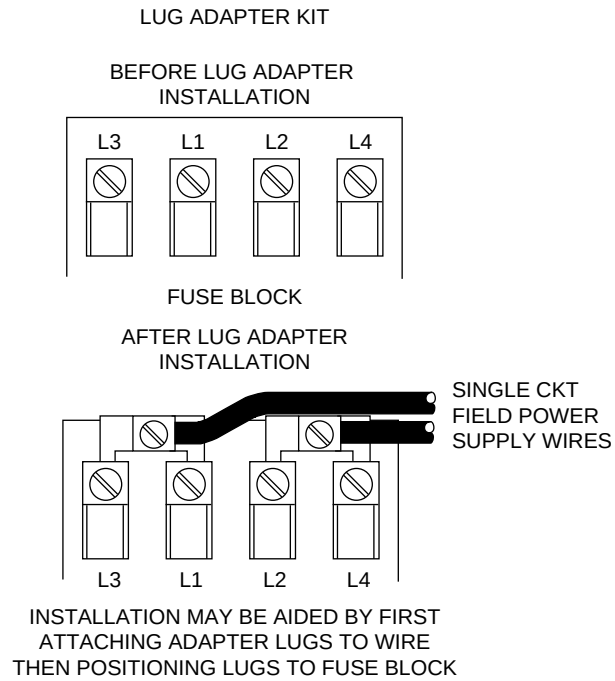
- LEGEND -

- | | |
|---------------------------|--------------------------------|
| ○ MARKED TERMINAL | HVTB HIGH VOLTAGE TERMINAL BOX |
| ○ UNMARKED TERMINAL | HUM HUMIDIFIER |
| --- FIELD POWER WIRING | LS LIMIT SWITCH |
| → PLUG AND RECEPTACLE | ICM FAN MOTOR |
| --- PCB BREAKOFF JUMPER | TRAN TRANSFORMER |
| AUX AUXILIARY | GND EQUIPMENT GROUND |
| PCB PRINTED CIRCUIT BOARD | FS1 FUSE |
| HPTB HEAT PUMP TERM BRD | RECP RECEPTACLE |
| LVTB LOW VOLT TERM BRD | |
| SEQ SEQUENCER | |
| HTR HEATER | |

320490-301 REV. C

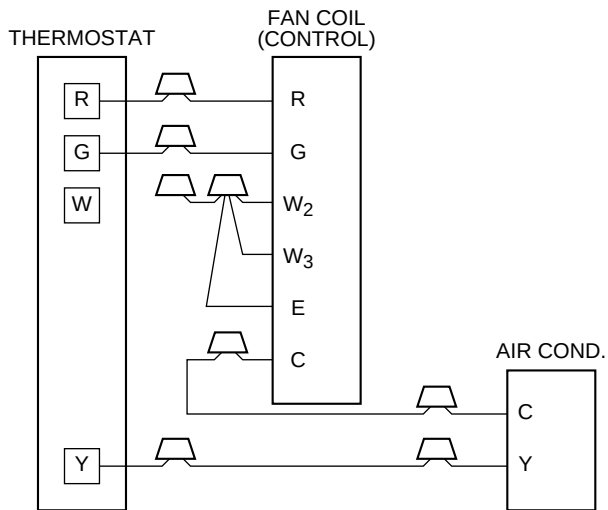
Fig. 20—Label Wiring 320490-301

A95042



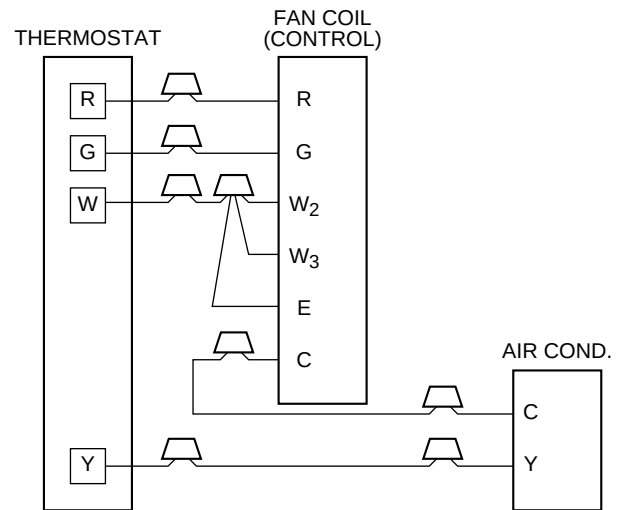
A95043

Fig. 21—Label Diagram, Single-Point Wiring Kit



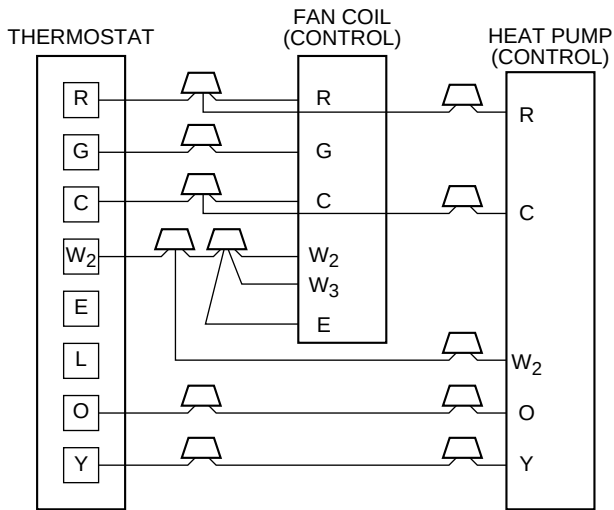
A94058

**Fig. 22—Wiring Layout Air Conditioning Unit
(Cooling Only)**



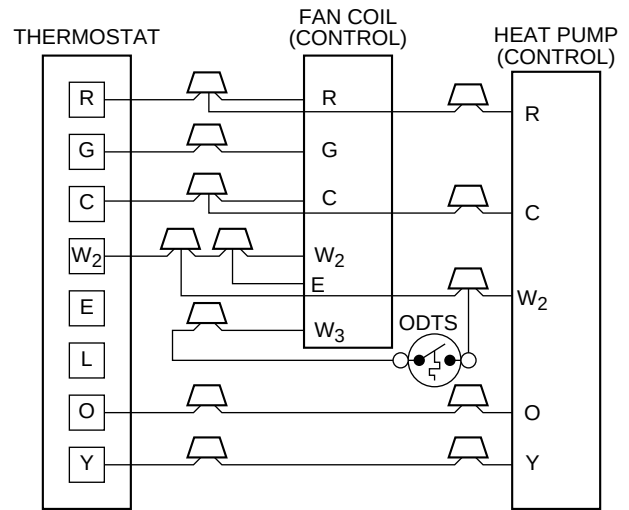
A94059

**Fig. 23—Wiring Layout Air Conditioning Unit
(Cooling and 1-Stage Heat)**



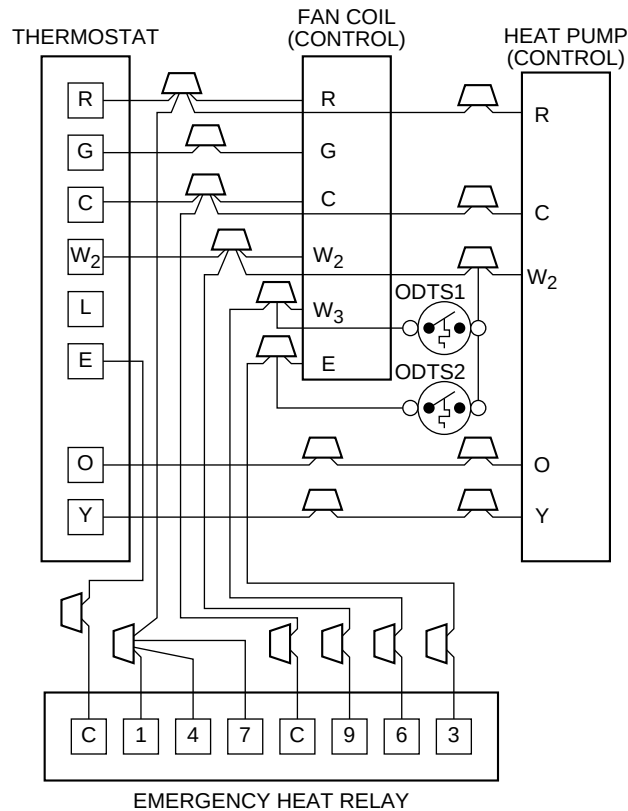
A94060

**Fig. 24—Wiring Layout Heat Pump Unit
(Cooling and 2-Stage Heat with No Outdoor
Thermostat)**



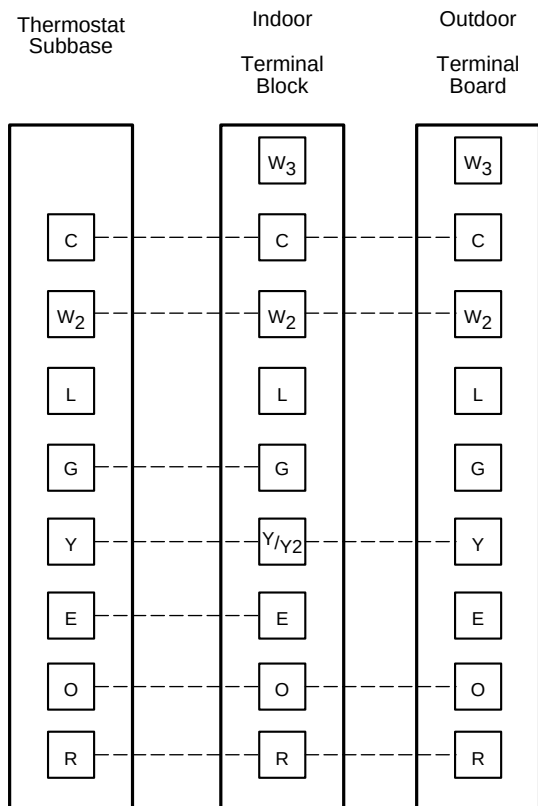
A94061

**Fig. 25—Wiring Layout Heat Pump Unit
(Cooling and 2-Stage Heat with 1 Outdoor Themostat)**



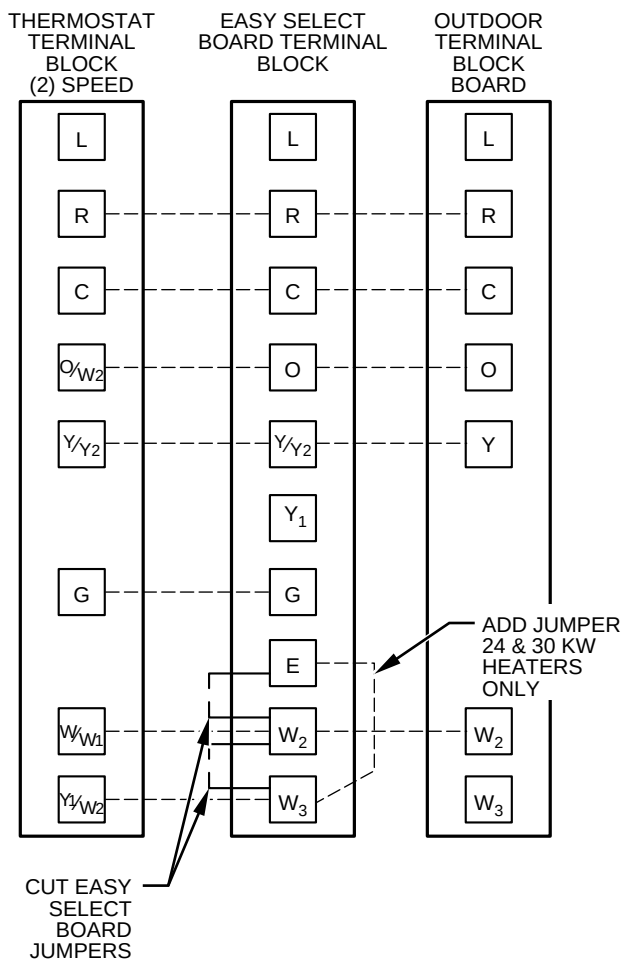
A94062

**Fig. 26—Wiring Layout Heat Pump Unit
(Cooling and 2-Stage Heat with 2 Outdoor Thermostats)**



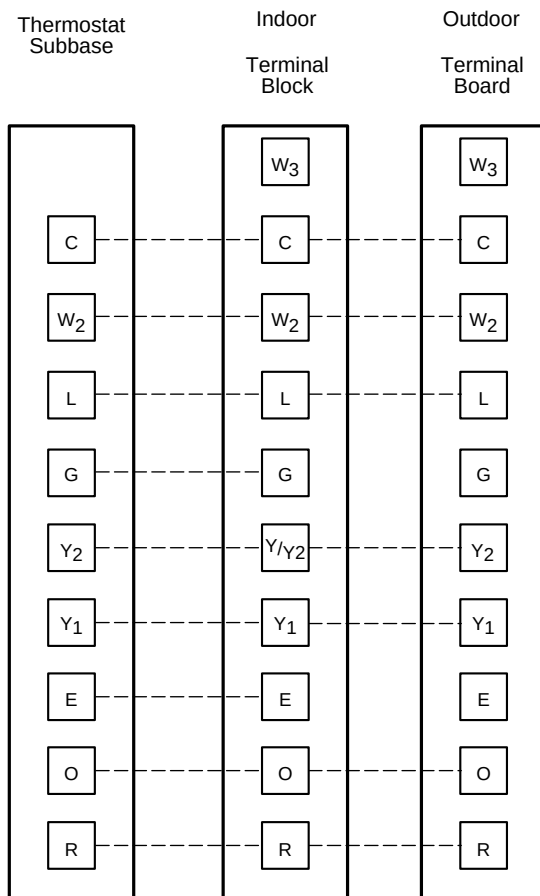
A93102

Fig. 27—Typical Single-Speed Heat Pump Wiring



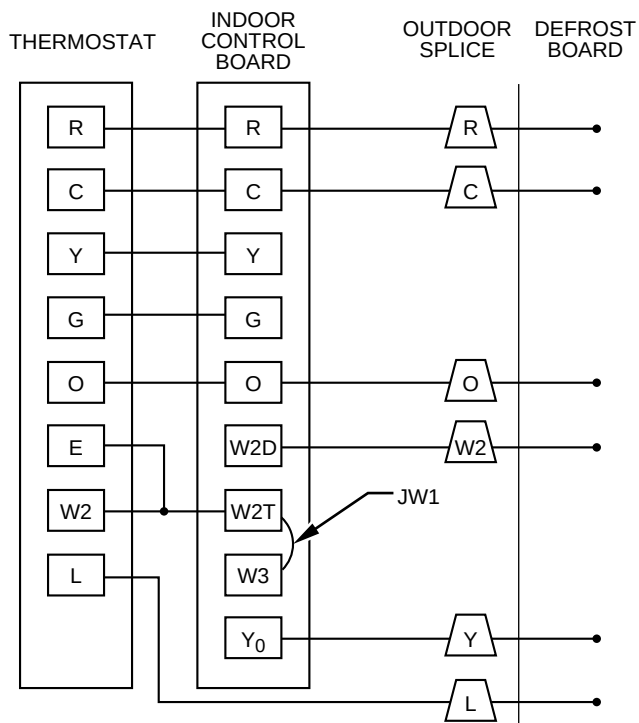
A95019

Fig. 29—Typical Single-Speed Heat Pump/FK4B With Intelligent Heat Staging



A93177

Fig. 28—Typical Two-Speed Heat Pump Wiring



A94128

Fig. 30—Typical Single Speed Heat Pump/Smart Heat Without Outdoor Thermostat

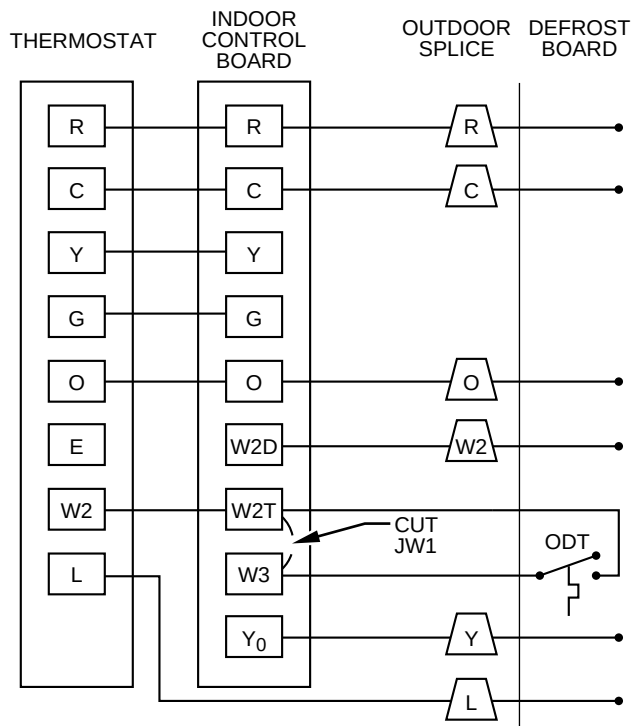
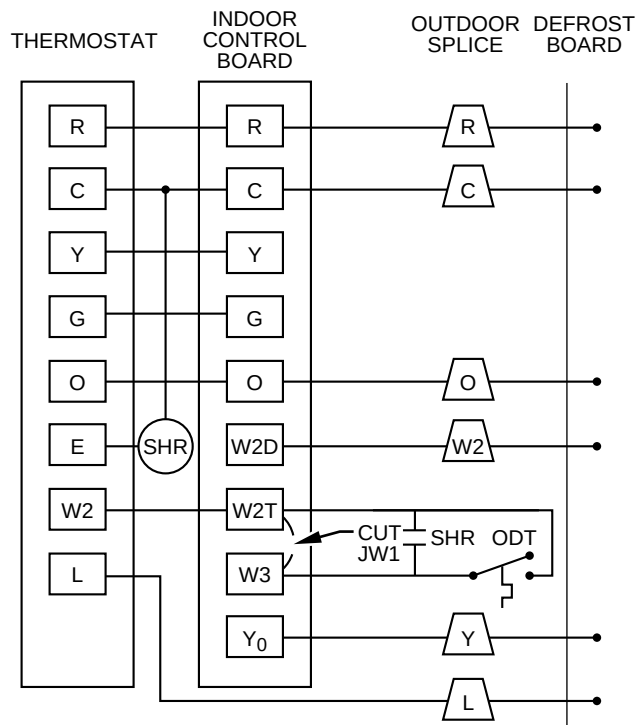


Fig. 31—Wiring Layout of System With 1 Outdoor Thermostat



SYSTEMS WITH SUPPLEMENTAL HEAT RELAY

Fig. 32—Wiring Layout Typical Single Speed Heat Pump/Smart Heat With Supplemental Heat Relay