

Wiring Diagrams

INDEX

UNIT	UNIT VOLTAGE-PHASE	TYPE	NUMBER	FIG. NO.
48LJD/LJE004-006	208/230-1	Schematic	50DK504507	1
48LJD/LJE004-005	208/230-3	Schematic	50DK504510	2
48LJD/LJE006-007	208/230-3	Schematic	50DK504509	3
48LJD/LJE004-007	460-3	Schematic	50DK504509	3
48LJD/LJE004-007	575-3	Schematic	50DK504508	4
48LJD/LJE004-007	All	Component Arrangement	50DK504636	5
50LJ004-006	208/230-1	Schematic	50DK504300	6
50LJ004-007	208/230,460-3	Schematic	50DK504301	7
50LJ004-007	575-3	Schematic	50DK504302	8
50LJ004-007	All	Component Arrangement	50DK504312	9
50LJQ004-006	208/230-1	Schematic	50DK504303	10
	208/230-3	Schematic	50DK504304	11
	460-3	Schematic	50DK504305	12
	575-3	Schematic	50DK504306	13
	All	Component Arrangement	50DK504313	14
50LJ004-007 50LJQ004-006	208/240-1	Label, Electric Heater	3-05531	15
50LJ004-007 50LJQ004-006	208/240-3	Label, Electric Heater	3-05607	16
50LJ004-007 50LJQ004-006	480-3	Label, Electric Heater	3-05532	17

UNIT	COMPONENT	FIG. NO.
48/50LJ004-007 and 50LJQ004-006	Solid State Enthalpy Control	18
	Differential Enthalpy Control	19
	Motormaster® Device	20
50LJQ005	Time Delay Relay	21
50LJQ004-006	Emergency Heat Control Panel	22, 23
48/50LJ004-007 and 50LJQ004-006	Time Guard® II Device	24
48/50LJ004-007 and 50LJQ004-006	Electronic Thermostat Remote Control Panel	25
		26

OPERATING SEQUENCE

48LJ Units

COOLING, UNITS WITHOUT ECONOMIZER — When thermostat calls for cooling, terminals G and Y1 are energized. The indoor (evaporator) fan contactor (IFC) and compressor contactor (C) are energized and indoor (evaporator) fan motor (IFM), compressor, and condenser fan start. The outdoor (condenser) fan motor (OFM) runs continuously while unit is cooling.

HEATING, UNITS WITHOUT ECONOMIZER — When thermostat calls for heating, terminal W1 is energized, induced-draft relay (IDR) and time delay relay (TDR) are energized and burner ignition sequence begins. The IFC is energized in 20 to 40 seconds and the IFM starts.

When the thermostat is satisfied and W1 is deenergized, the IFM stops.

COOLING, UNITS WITH ECONOMIZER — When the outdoor ambient temperature is above the outdoor-air thermostat (OAT) or enthalpy control (EC) setting and the thermostat calls for cooling, terminals G and Y1 are energized. The IFC is energized and the economizer damper blade opens to the minimum position, compressor, evaporator-fan motor, and condenser fan start.

If the outdoor ambient temperature is below the OAT setting and the thermostat calls for cooling, the IFC is energized, the evaporator fan is started, and the economizer modulates open. The economizer acts as the first stage of cooling, providing free cooling with outdoor air. The damper blade opens for 5 seconds and stops for 30 seconds until fully open. The position of the damper blade is determined by the discharge-temperature sensor.

If outdoor air alone cannot satisfy the cooling requirements of the conditioned space, Y2 on the thermostat is energized and the compressor starts.

As conditioned-space temperature approaches the thermostat's cooling set point, the mechanical cooling stage cycles off. After mechanical cooling shuts off, the economizer modulates to the minimum position.

HEATING, UNITS WITH ECONOMIZER — Upon a call for heat through W1, the IDR is energized to start the induced-draft motor. The main burner lights, the IFC energizes to start the evaporator fan, and the economizer damper blade opens to the minimum position. If the two-position damper is used, the outdoor-air damper opens to the minimum position whenever the evaporator fan runs.

After W1 is deenergized, the IFM stops.

As space temperature approaches the heating temperature set point, heating stage cycles off. Economizer or two-position damper returns to a fully closed position when fan shuts off.

50LJ Units

COOLING, UNITS WITHOUT ECONOMIZER — When thermostat calls for cooling, terminals G and Y1 are energized. The indoor (evaporator) fan contactor (IFC) and compressor contactor (C) are energized, and evaporator-fan motor, compressor, and condenser fan start. The condenser-fan motor runs continuously while unit is cooling.

HEATING, UNITS WITHOUT ECONOMIZER — Upon a call for heating through terminal W1, IFC and heater contactor (HC) no. 1 are energized. On unit equipped for 2 stages of heat, when additional heat is needed, HC is energized through W2.

COOLING, UNITS WITH ECONOMIZER — When the outdoor ambient temperature is above the outdoor-air thermostat (OAT) or enthalpy control (EC) setting and the thermostat calls for cooling, terminals G and Y1 are energized. The IFC is energized and the economizer damper blade opens to the minimum position.

If the outdoor ambient temperature is below the OAT setting and the thermostat calls for cooling, the IFC is energized, the evaporator fan is started, and the economizer modulates open. The economizer acts as the first stage of cooling, providing free cooling with the outdoor air. The damper blade opens for 5 seconds and stops for 30 seconds until fully open. The position of the damper blade is determined by the discharge-temperature sensor.

If outdoor air alone cannot satisfy the cooling requirements of the conditioned space, Y2 on the thermostat is energized and the compressor starts.

As conditioned-space temperature approaches the thermostat's cooling set point, the mechanical cooling stage cycles off. After mechanical cooling shuts off, the economizer modulates to the minimum position.

HEATING, UNITS WITH ECONOMIZER — Upon a call for heat through W1, the IFC energizes to start the evaporator fan and the economizer damper blade opens to the minimum position. If the two-position damper is used, the outdoor-air damper opens to the minimum position whenever the evaporator fan runs. If unit is equipped with 2 stages of heat, when additional heat is needed, a call is made through W2.

As space temperature approaches the heating temperature set point, heating stages cycle off. Economizer or two-position damper returns to a fully closed position.

50LJQ Units

COOLING — Set system switch at AUTO. or COOL position. Set thermostat at desired temperature.

With accessory economizer — When the outdoor ambient temperature is above the outdoor-air thermostat (OAT) or optional enthalpy control (EC) setting, sequence of operation is identical to units without economizer. Economizer blade is in minimum position.

When the outdoor ambient temperature is below the OAT or optional EC setting and the thermostat calls for cooling, the IFC is energized, the indoor fan is started, and the economizer modulates open. The economizer acts as the first stage of cooling, providing free cooling with outside air. If the outdoor air alone cannot satisfy the cooling requirements of the conditioned space, economizer cooling is integrated with mechanical cooling. Compressor contactor is energized to start the compressor and outdoor fan.

As conditioned space temperature approaches the thermostat's cooling set point, the mechanical cooling stages cycle off, last stage first.

Without accessory economizer — When thermostat calls for cooling, the indoor-fan contactor (IFC) is energized and starts indoor-fan motor. Compressor contactor is energized to start compressor and outdoor fan. Reversing valve solenoid (RVS) is energized.

As conditioned space temperature approaches thermostat's cooling set point, the indoor fan, compressor, and outdoor fan shut off.

HEATING — Set system switch at AUTO. or HEAT position. Set thermostat at desired temperature.

When the thermostat calls for heat, the IFC, outdoor-fan contactor and compressor contactor are energized. The RVS

is deenergized and switches position, and the indoor fan, outdoor fan, and compressor are energized. On economizer units, the economizer blade will move into the minimum position.

If the thermostat calls for a second stage of heat, the heater contactor (HC) is energized and starts the electric heaters.

When the space temperature approaches the heating temperature set point, heating stages cycle off. The reversing valve solenoid is reenergized.

DEFROST — As frost builds up on the outdoor coil, the coil temperature drops below 28 F. When this outdoor-coil temperature drop is sensed by the defrost thermostat (DFT) and the defrost timer is at the end of a timed period (adjustable at 30, 50, or 90 minutes), the unit operates in a defrost cycle controlled by the defrost timer or thermostat. During this cycle, the RVS is energized and the outdoor fan shuts off. The electric heaters (if installed) will be energized. On units with economizer, the economizer will move to the fully closed position.

The unit continues to defrost until the coil temperature as measured by the DFT reaches 65 F, or the duration of defrost cycle completes a 10-minute period.

At the end of the defrost cycle, the electric heaters (if installed) and the reversing valve will be deenergized, and the outdoor-fan motor will be energized. The unit will now operate in the heating mode. On units with economizer, the economizer blade will move to the minimum position.

If the thermostat is satisfied during a defrost cycle, the unit will continue in the defrost mode until the time or temperature constraints are satisfied.

LEGEND (Fig. 1 – 14, 22 and 23)

AHA	— Adjustable Heat Anticipator
AWG	— American Wire Gage
C	— Contactor, Compressor
CAP	— Capacitor
CB	— Circuit Breaker
CC	— Cooling Compensator
CH	— Crankcase Heater
CLO	— Compressor Lockout
COM	— Common
COMP	— Compressor Motor
DAT	— Discharge-Air Thermister
DB	— Defrost Board
DFT	— Defrost Thermostat
EC	— Enthaply Control
ECON	— Economizer
EMC/EMFC	— Energy Management Closed (Economizer)
EMFC.L	— Energy Management, Fully-Closed (Two-Position Damper)
EMO/EMFO	— Energy Management Open (Economizer)
EQUIP	— Equipment
FP	— Flare Probe
FPT	— Freeze Protection Thermostat
FU	— Fuse
GND	— Ground
HC	— Heater Contactor (Strip Heat)
HP	— Heat Pump
HPS	— High-Pressure Switch
HR	— Holding Relay (48LJD/LJE), Heater Relay (50LJQ)
I	— Ignitor
ICP	— Ignitor Control Pack
IDM	— Induced-Draft Motor
IDR	— Induced-Draft Relay
IFC	— Indoor-Fan Contactor
IFM	— Indoor-Fan Motor
IFR	— Indoor-Fan Relay
LPS	— Low-Pressure Switch/Loss of Charge
LS	— Limit Switch
LSM	— Limit Switch (Manual Reset)
MGV	— Main Gas Valve
MTR	— Motor
MV	— Main Valve
NC	— Normally Closed
NEC	— National Electrical Code
NO	— Normally Open
OAT	— Outdoor-Air Thermostat
OFC	— Outdoor-Fan Contactor
OFM	— Outdoor-Fan Motor
OFR	— Outdoor-Fan Relay
P	— Plug

PL	— Plug Assembly
PS	— Pressure Switch
QT	— Quadruple Terminal
RES	— Resistor Switch
RS	— Rollout Switch
RVS	— Reversing Valve Solenoid
SEN	— Sensor
SW	— Switch
SW1	— Switch Fully Open
SW2	— Switch Fully Closed
SW3	— Switch Min. Vent Position
SW4	— Switch Max. Vent Position
TB	— Terminal Block
TC	— Thermostat, Cooling
TDR	— Time Delay Relay
TH	— Thermostat, Heating
TL	— Timer Logic
TRAN	— Transformer

	Field Splice
	Marked Wire
	Terminal (Marked)
	Terminal (Unmarked)
	Terminal Block
	Terminal Econ Two-Position Board
	Terminal DB Board
	Splice
	Splice (Marked)
	Factory Wiring
	Field Control Wiring
	Field Power Wiring
	Accessory or Optional Wiring
	To indicate common potential only. Not to represent wiring

NOTES FOR FIG. 1-5

1. If any of the original wire furnished must be replaced, it must be replaced with type 90 C wire or its equivalent.
2. Numbers indicate the line location of contacts. A bracket over 2 numbers signifies single-pole, double-throw contacts. An underlined number signifies a normally-closed contact. Plain numbers (no lines) signify a normally-open contact.
3. Thermostat HH07AT170,172,174 and P272-2783
Subbase: HH93AZ176, 178 and P272-1882, 1883 and HH93AZ177, 179
4. Set heat anticipator at 1.0 amp.
5. Use copper, copper clad aluminum, or aluminum conductors.

NOTES FOR FIG. 6 — 9

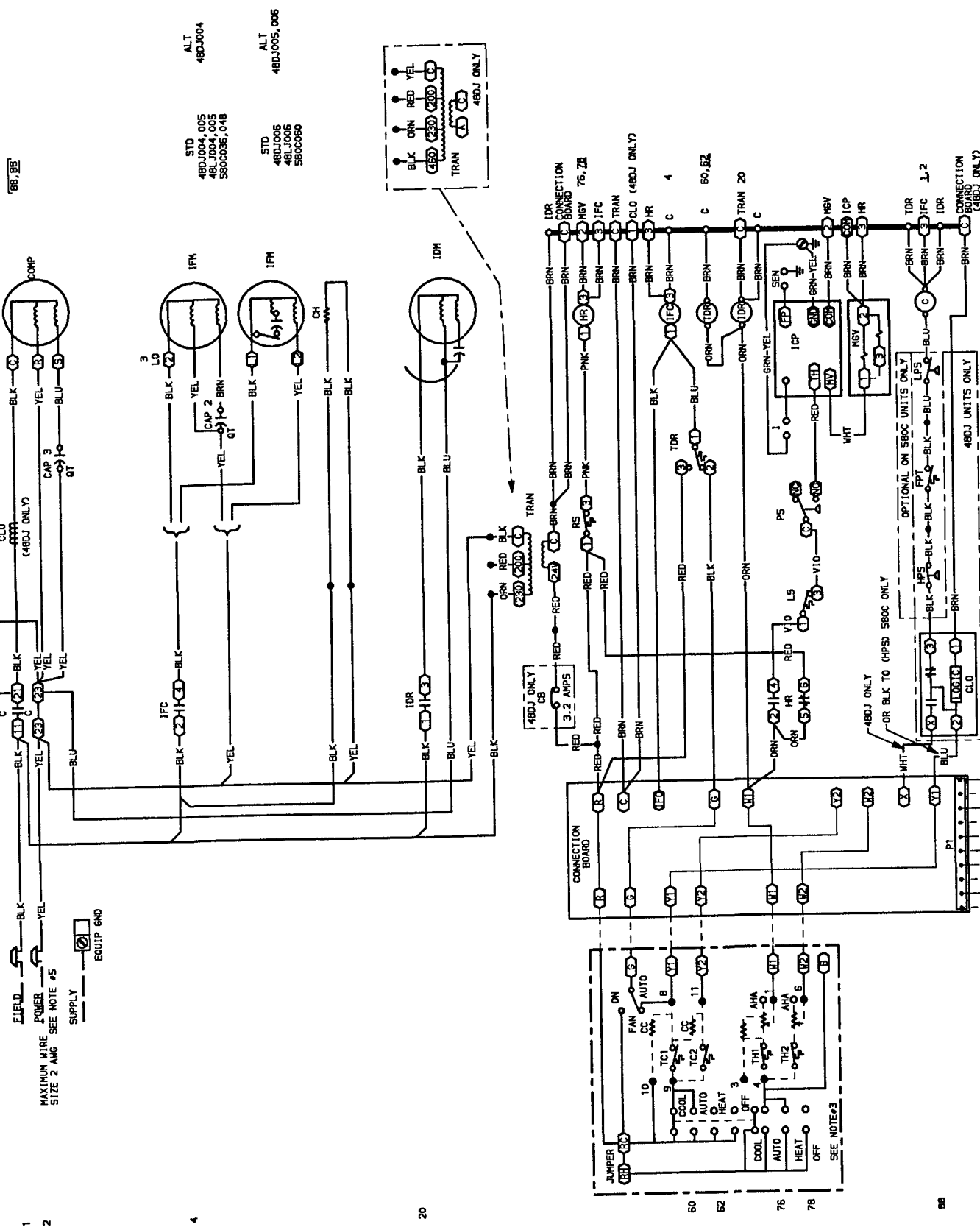
1. If any of the original wire furnished must be replaced, it must be replaced with type 90 C wire or its equivalent.
2. Numbers indicate the line location of contacts. A bracket over 2 numbers signifies single-pole, double-throw contacts. An underlined number signifies a normally-closed contact. Plain numbers (no lines) signify a normally-open contact.
3. Thermostat: HH07AT170,172,174 and P272-2783
Subbase: HH93AZ176,178 and P272-1882,1883 and HH93AZ177 and 179
4. Set heat anticipator at 0.8 amp for first stage and 0.3 amp for second stage.
5. Use copper, copper clad aluminum, or aluminum conductors.
6. Three-phase motors are protected under primary single-phasing conditions.

NOTES FOR FIG. 10 — 14

1. If any of the original wire furnished must be replaced, it must be replaced with type 90 C wire or its equivalent.
2. Numbers indicate the line location of contacts. A bracket over 2 numbers signifies single-pole, double-throw contacts. An underlined number signifies a normally-closed contact. Plain numbers (no lines) signify a normally-open contact.
3. Three-phase motors are protected under primary single-phasing conditions.
4. Thermostat: HH07AT170,172,174 and P272-2783
Subbase: HH93AZ176,178 and P272-1882,183
5. Set heat anticipator at 0.8 amp for first stage and 0.3 amp for second stage.
6. Use copper, copper clad aluminum, or aluminum conductors.

SCHEMATIC

NOTE, 2
LINES



CONNECT TO CORRESPONDING

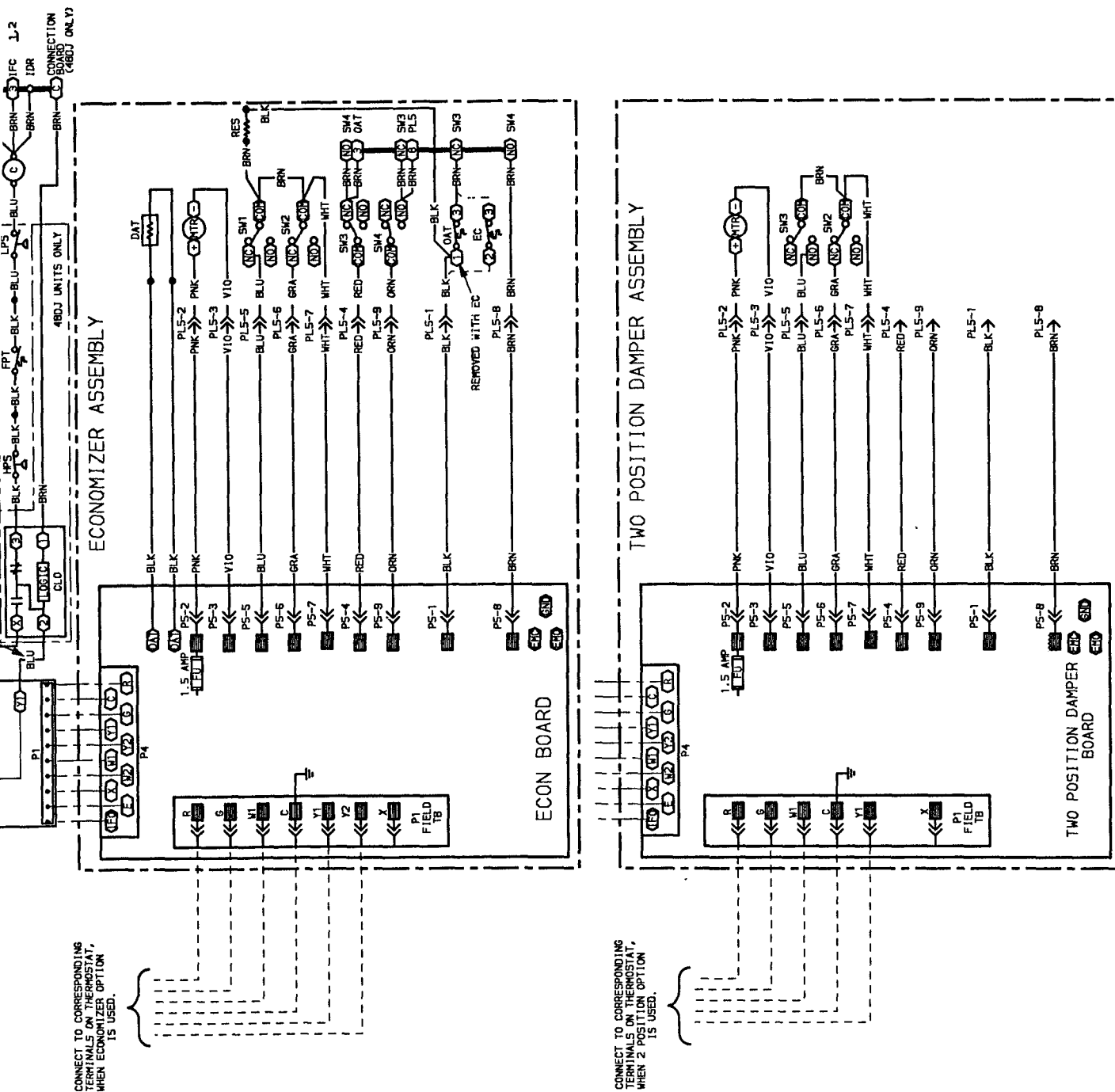


Fig. 1 — Label Diagram, Schematic; 48LJ004-006, 208/230-1-60

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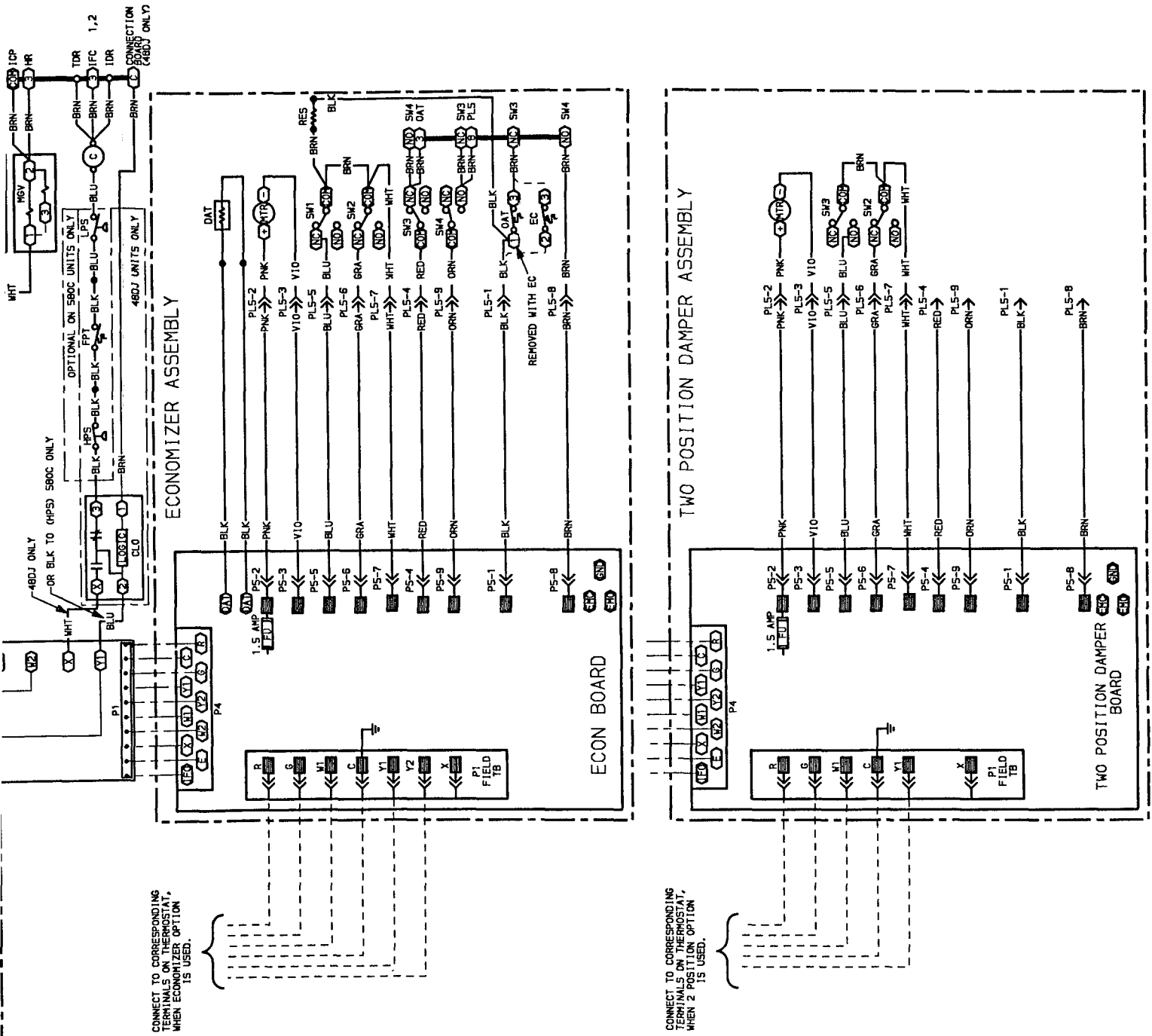
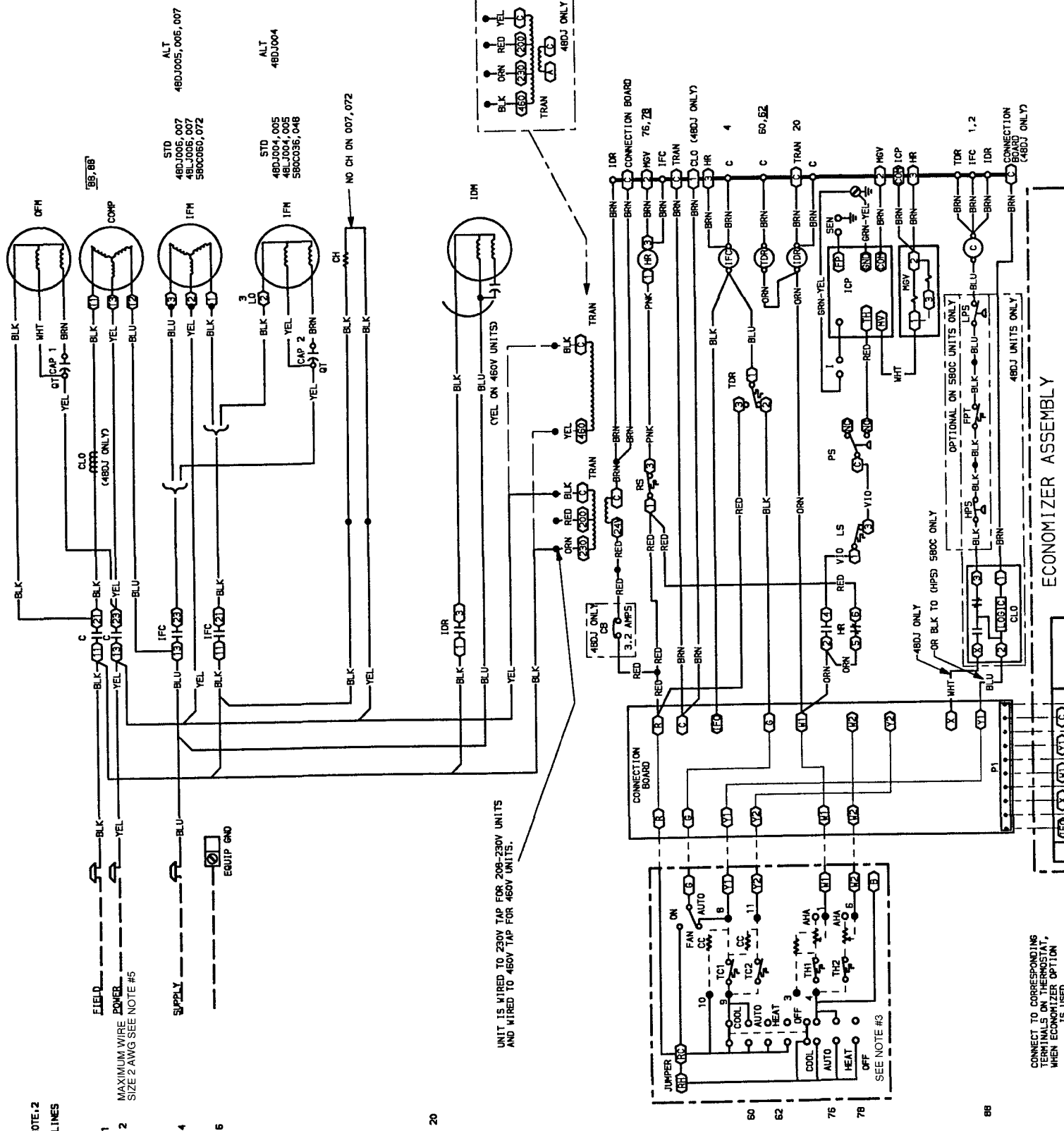


Fig. 2 — Label Diagram, Schematic; 48J004-005, 208/230-3-60

LINE	NOTE.2
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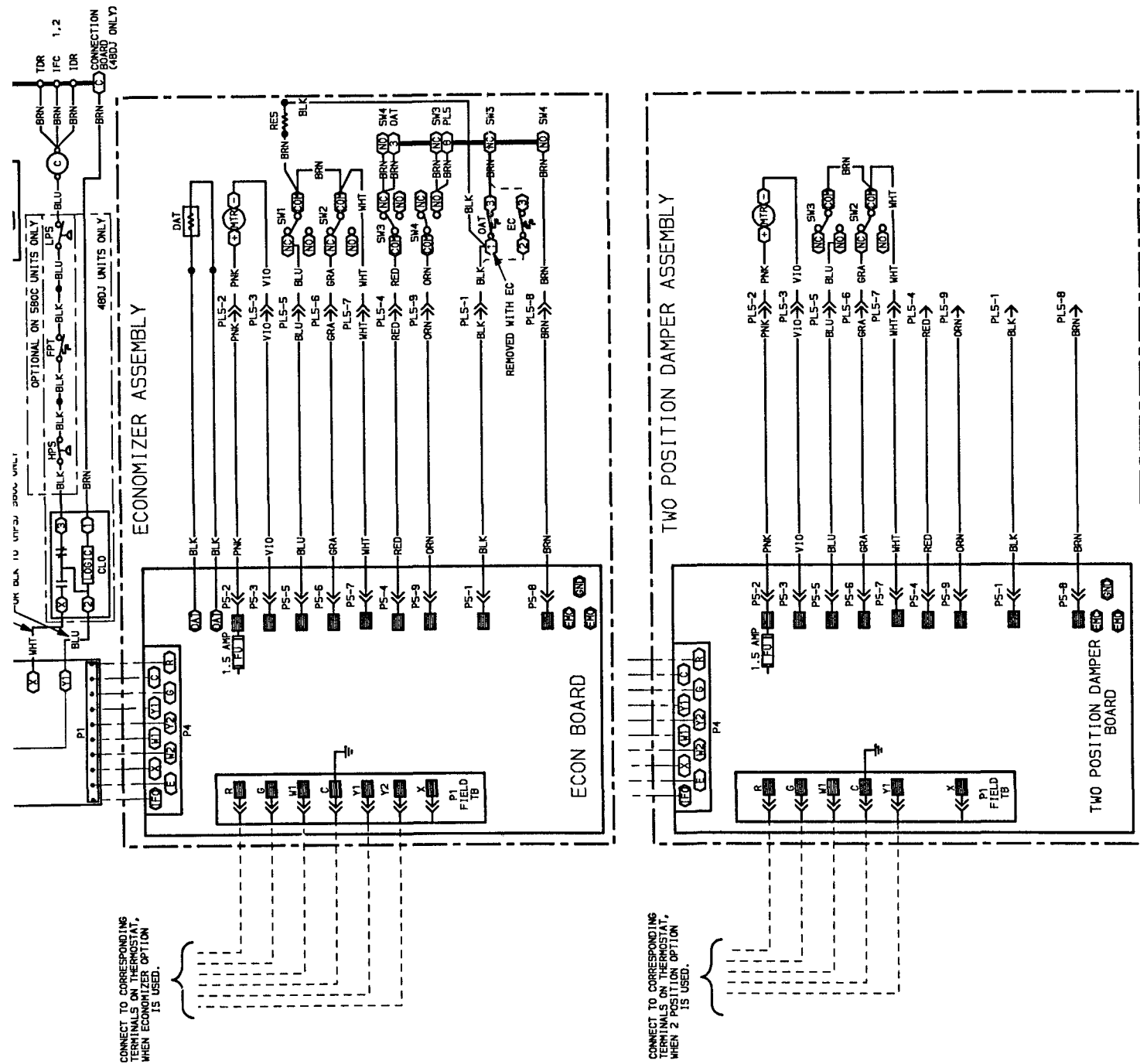
SEMI-TRAILERS

1	FIELD
2	POWER
	MAXIMUM WIRE SIZE 2 AWG SEE NOTE #5



CONNECT TO CORRESPONDING
TERMINALS ON THERMOSTAT,
WHEN ECONOMIZER OPTION
IS USED.

ECONOMIZER ASSEMBLY



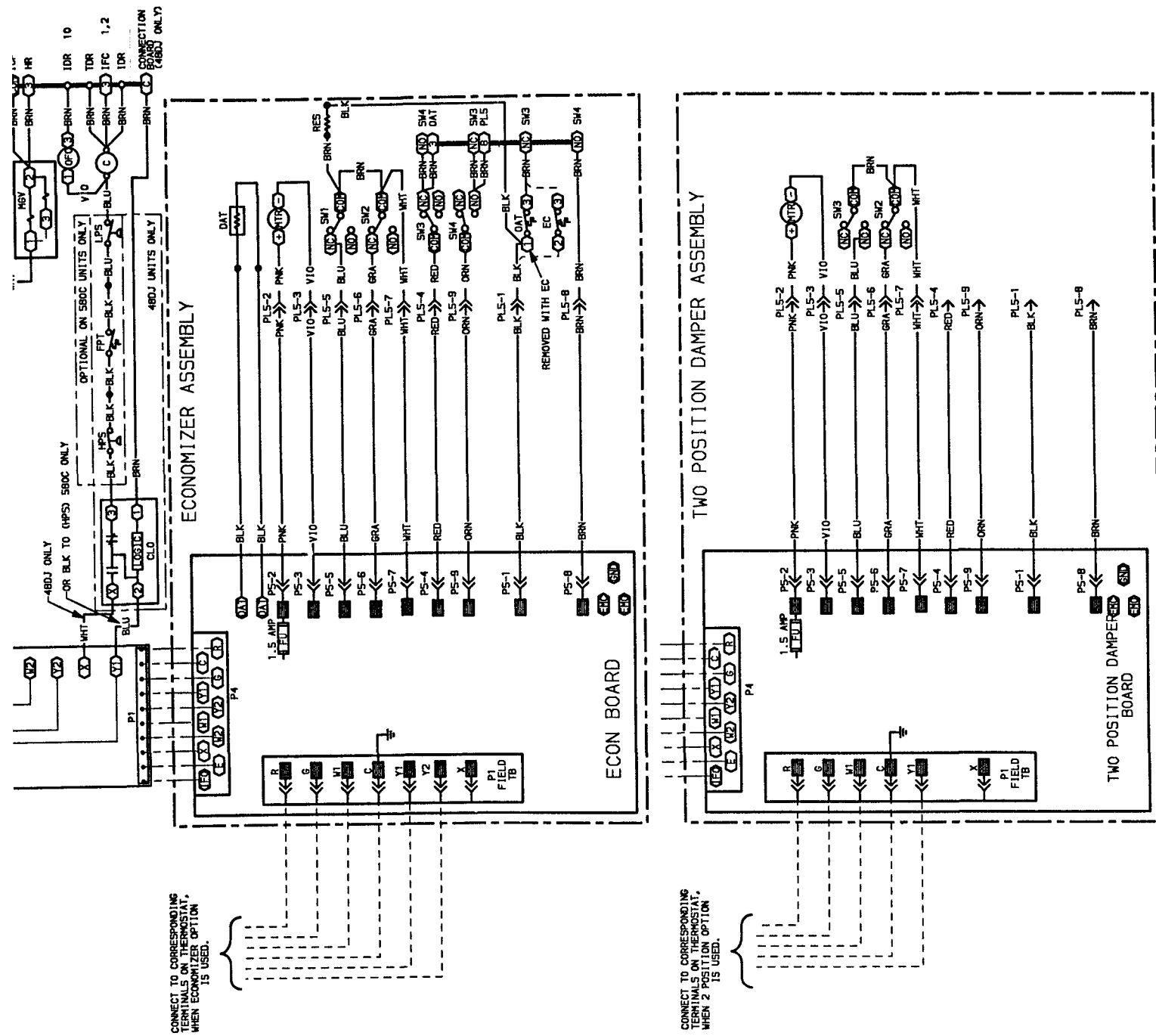
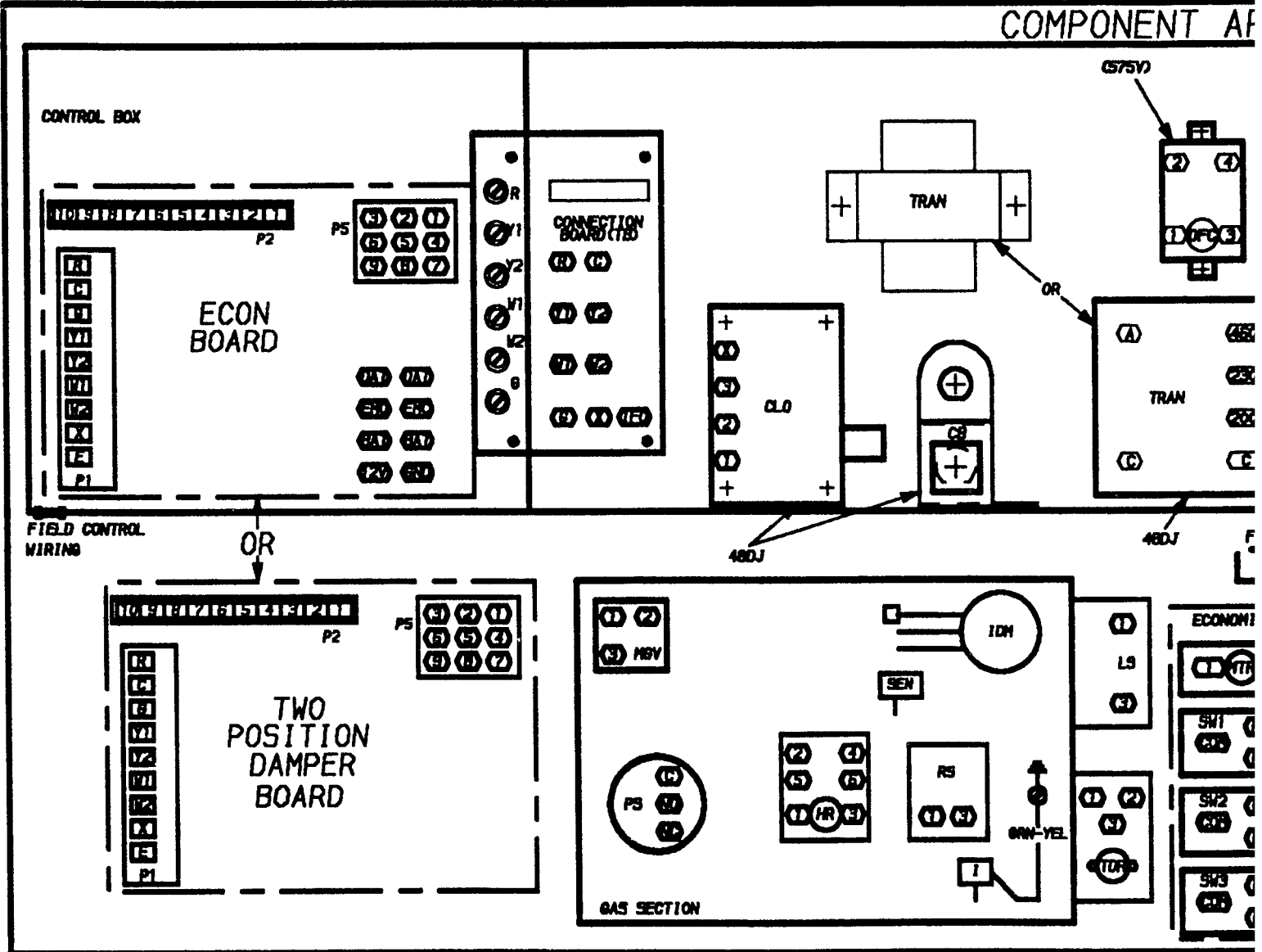


Fig. 4 — Label Diagram, Schematic; 48LJ004-007, 575-3-60

COMPONENT AF



COMPONENT ARRANGEMENT

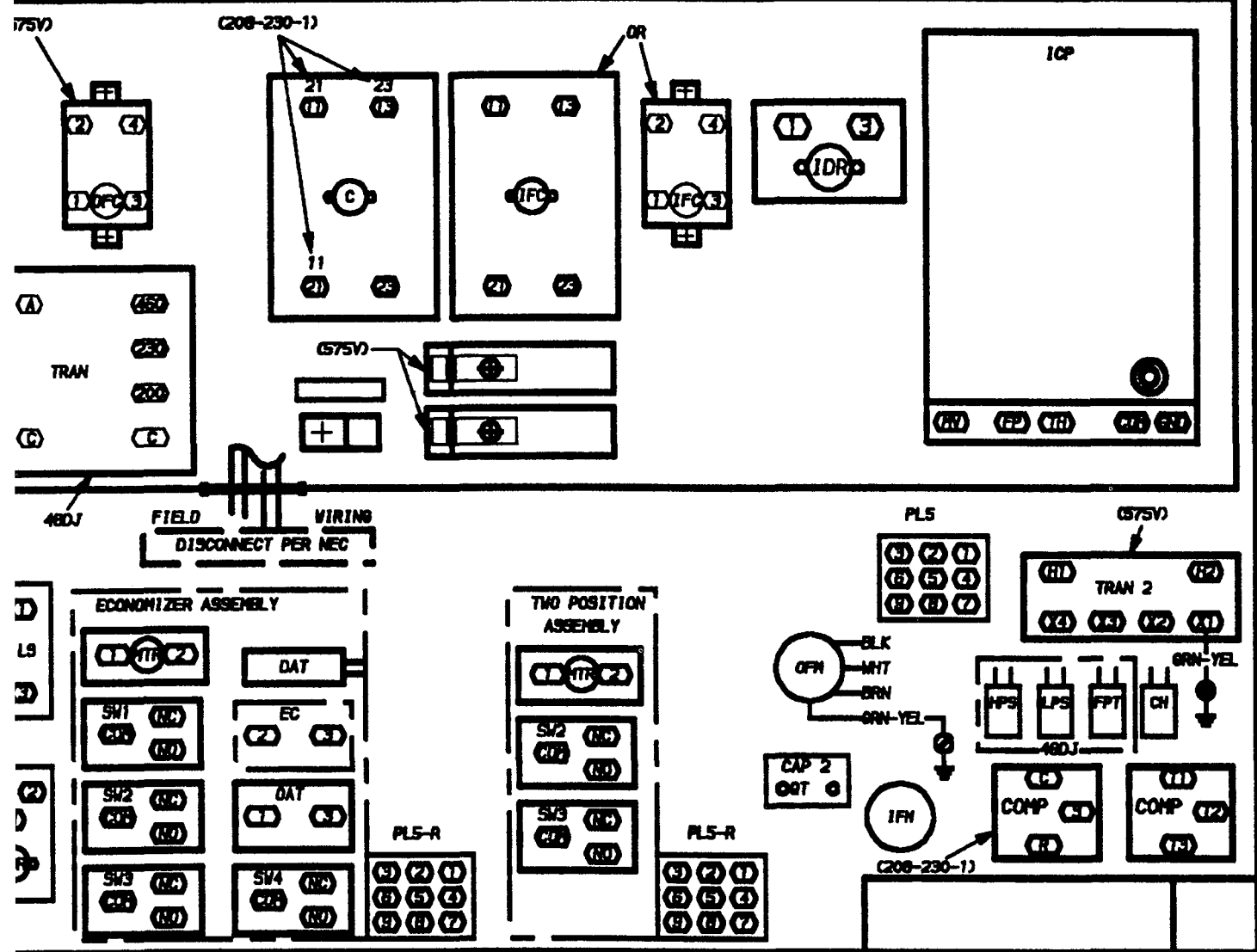
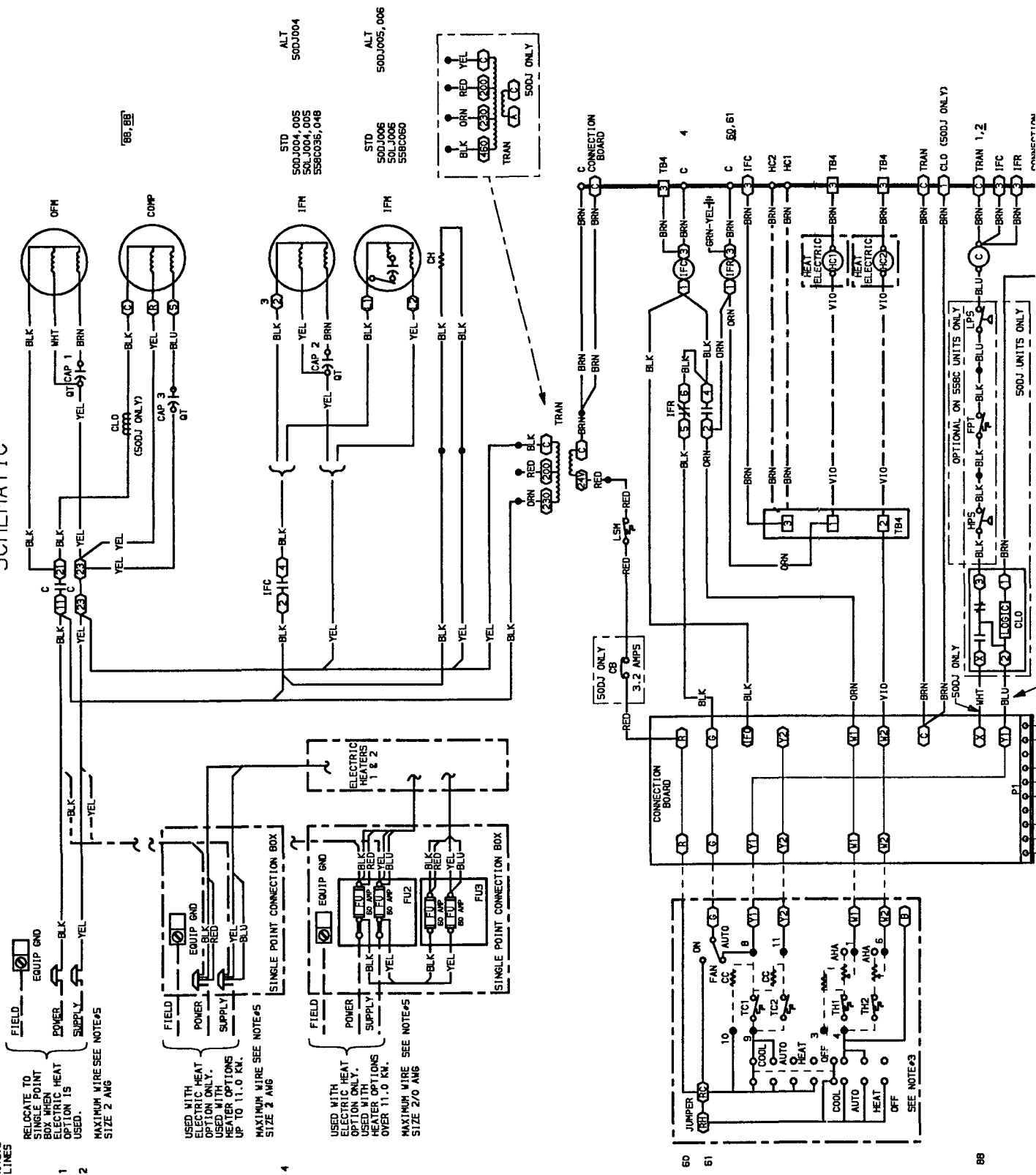


Fig. 5 - Component Arrangement 48LJ004-007



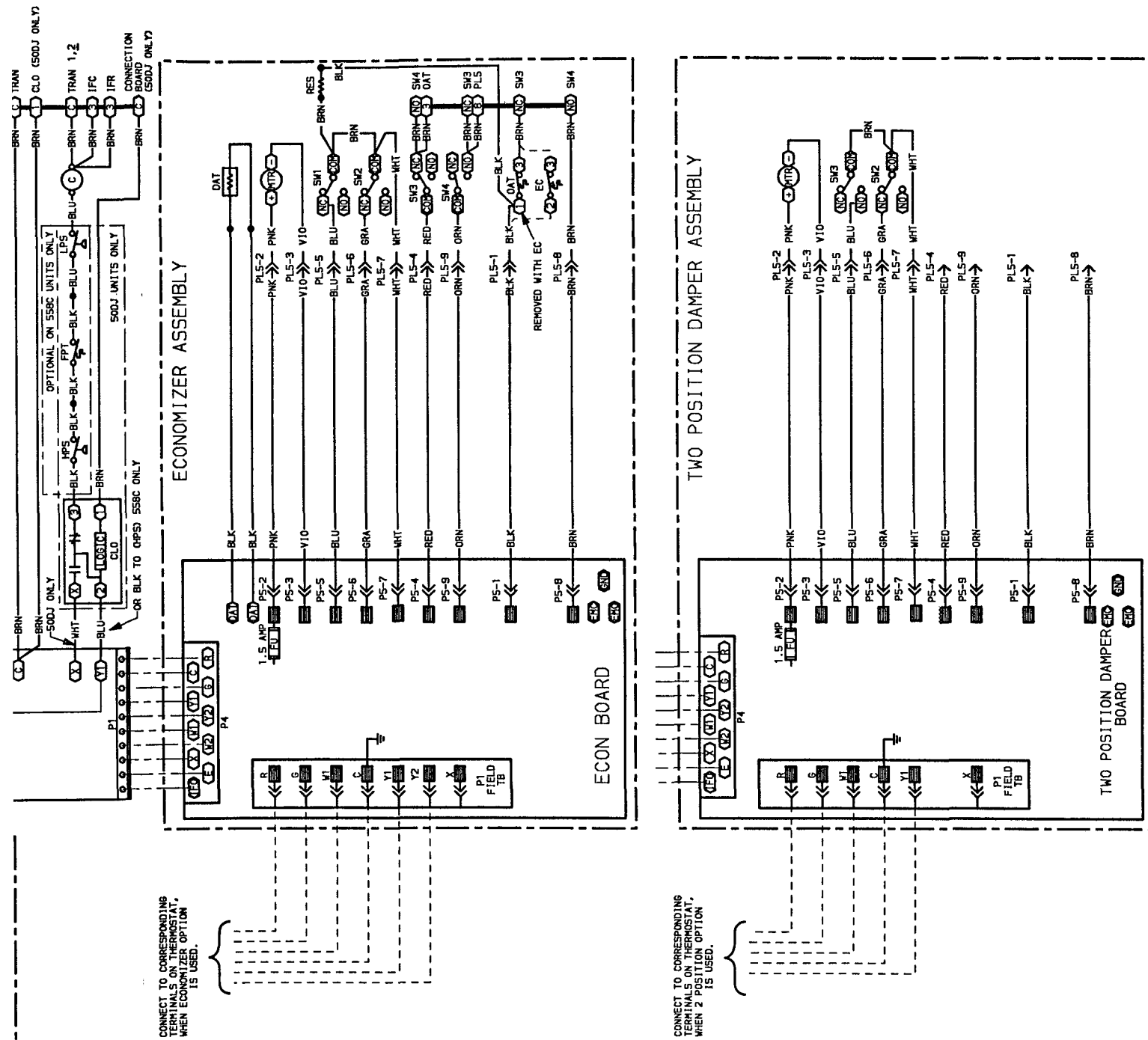
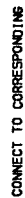


Fig. 6 — Label Diagram, Schematic; 50LJ004-006, 208/230-1-60

NOTE. 2
LINES



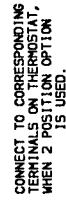
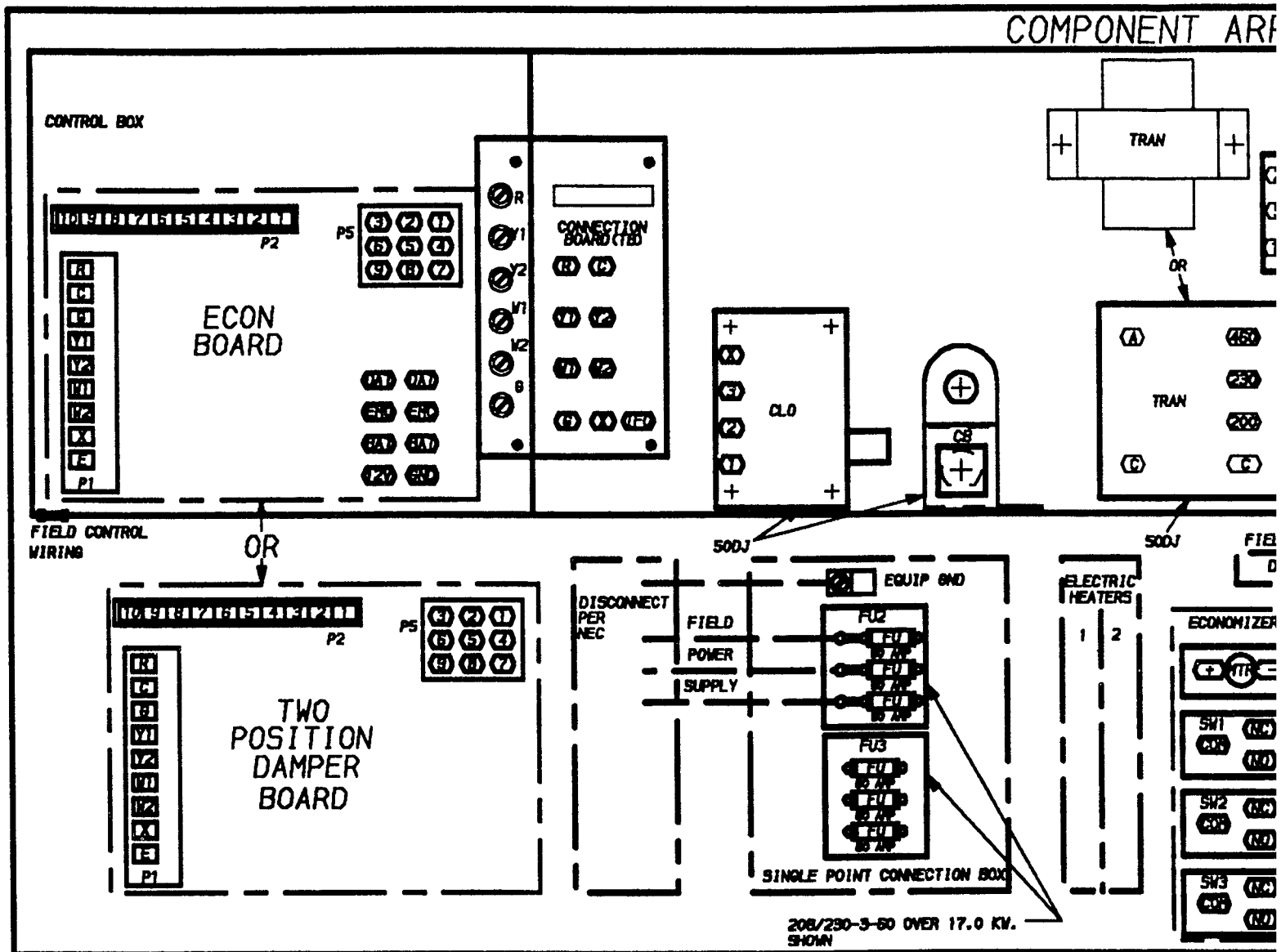


Fig. 8 — Label Diagram, Schematic; 50LJ004-007, 575-3-60

COMPONENT AREA



COMPONENT ARRANGEMENT

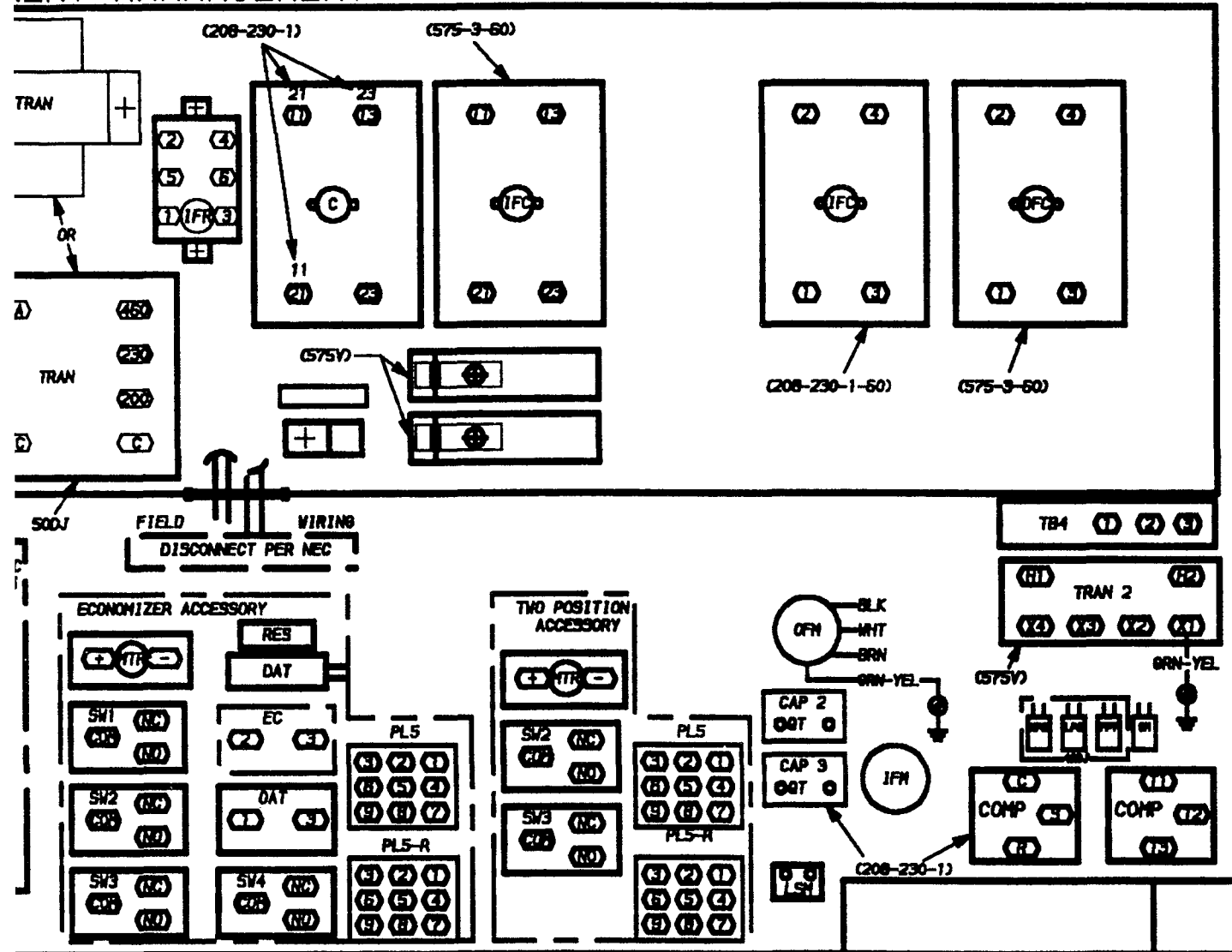


Fig. 9 - Component Arrangement, 50LJ004-007

SCHEMATIC

NOTE 2
LINES

SEE NOTE #6

RELOCATE TO
SINGLE POINT
ELECTRIC HEAT
OPTION IS
USED.

1

MAXIMUM WIRE
SIZE 2 AWG

2

USED WITH
ELECTRIC HEAT
OPTION ONLY.
USED WITH
HEATER OPTIONS
UP TO 5.0 KW.

MAXIMUM WIRE
SIZE 2 AWG

3

USED WITH
ELECTRIC HEAT
OPTION ONLY.
USED WITH
HEATER OPTIONS
BETWEEN 5.0-11.0 KW.

SEE NOTE #6

4

FOR HEATER
OPTIONS OVER
11.0 KW.
MAXIMUM WIRE
SIZE 2/0 AWG

SEE NOTE #6

5

MAXIMUM WIRE
SIZE 2/0 AWG

6

SEE NOTE #4

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SCHEMATIC

NOTE 2
LINES

- 1 RELOCATE TO SINGLE POINT BOX WHEN ELECTRIC HEAT OPTION IS USED.
- 2

MAXIMUM WIRE SIZE 2 AWG

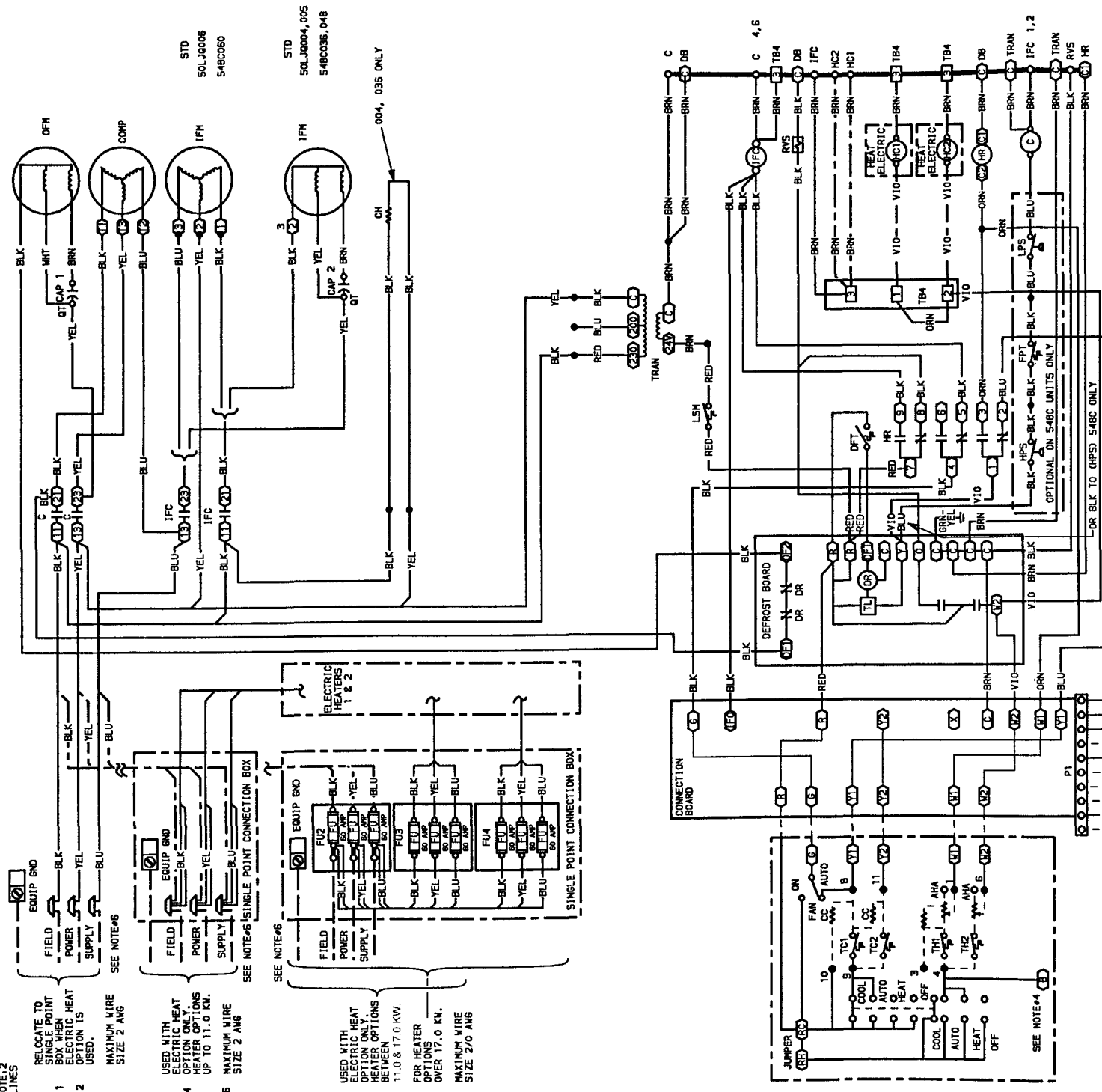
- 4 USED WITH ELECTRIC HEAT OPTION ONLY. HEATER OPTIONS UP TO 11.0 KW.
- 6 MAXIMUM WIRE SIZE 2 AWG

SEE NOTE#6

SEE NOTE#6

USED WITH ELECTRIC HEAT OPTION ONLY. HEATER OPTIONS 11.0 & 17.0 KW.

FOR HEATER OPTIONS OVER 17.0 KW. MAXIMUM WIRE SIZE 2/0 AWG

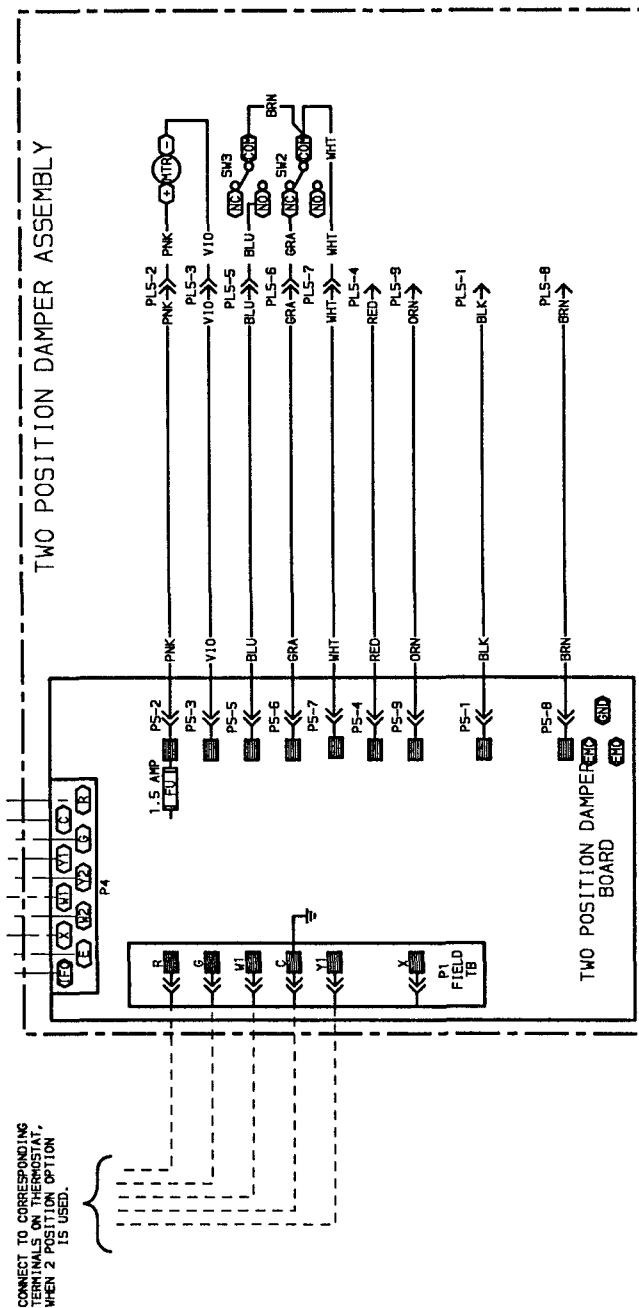


STD
50LJ0006
548C080

STD
50LJ0004, 005
548C036, 048

004, 035 ONLY

OR BLK TO GND 548C ONLY



16

NOTE 2
LINES

1
RELOCATE TO
SINGLE POINT
BOX WHEN
ELECTRIC HEAT
OPTION IS
USED.

2
FIELD
POWER
SUPPLY

3
EQUIP GND

4
FIELD
POWER
SUPPLY

5
EQUIP GND

6
USED WITH
ELECTRIC HEAT
OPTION ONLY.

7
MAXIMUM WIRE
SIZE 2 ANG

8
MAXIMUM WIRE
SIZE 2 ANG

9
SEE NOTE#6

10
SEE NOTE#6

11
ELECTRIC
HEATERS
1 & 2

12
EQUIP GND

13
FIELD
POWER
SUPPLY

14
EQUIP GND

15
FIELD
POWER
SUPPLY

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EQUIP GND

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FIELD
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SUPPLY

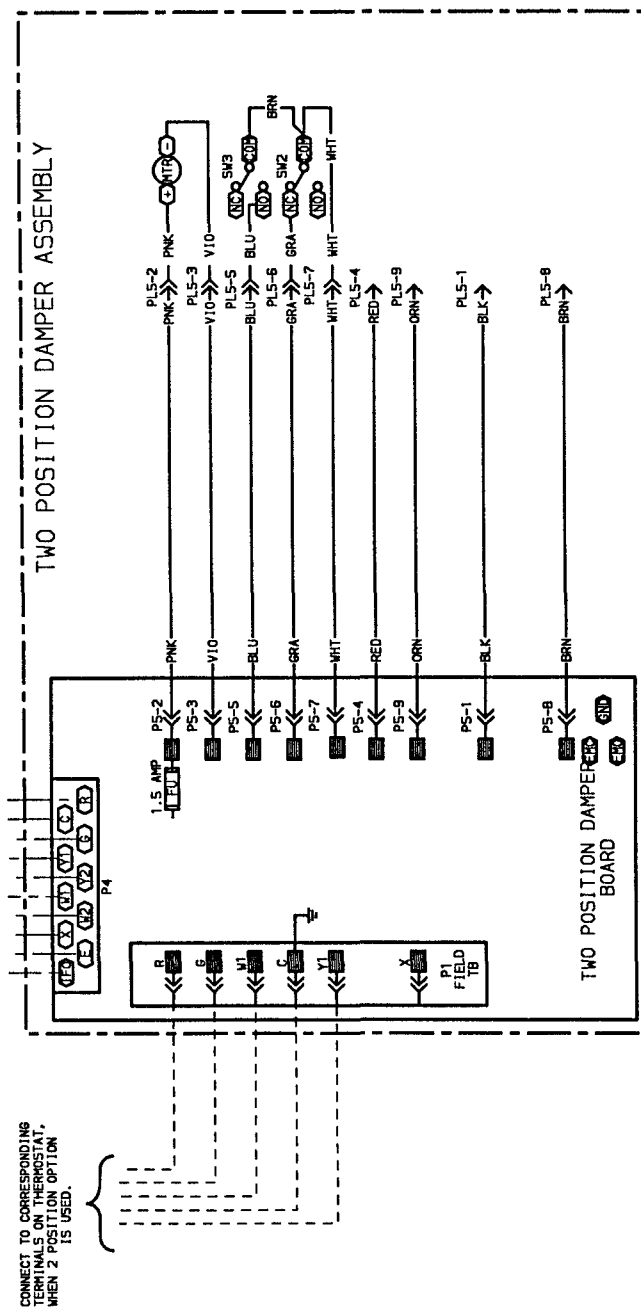
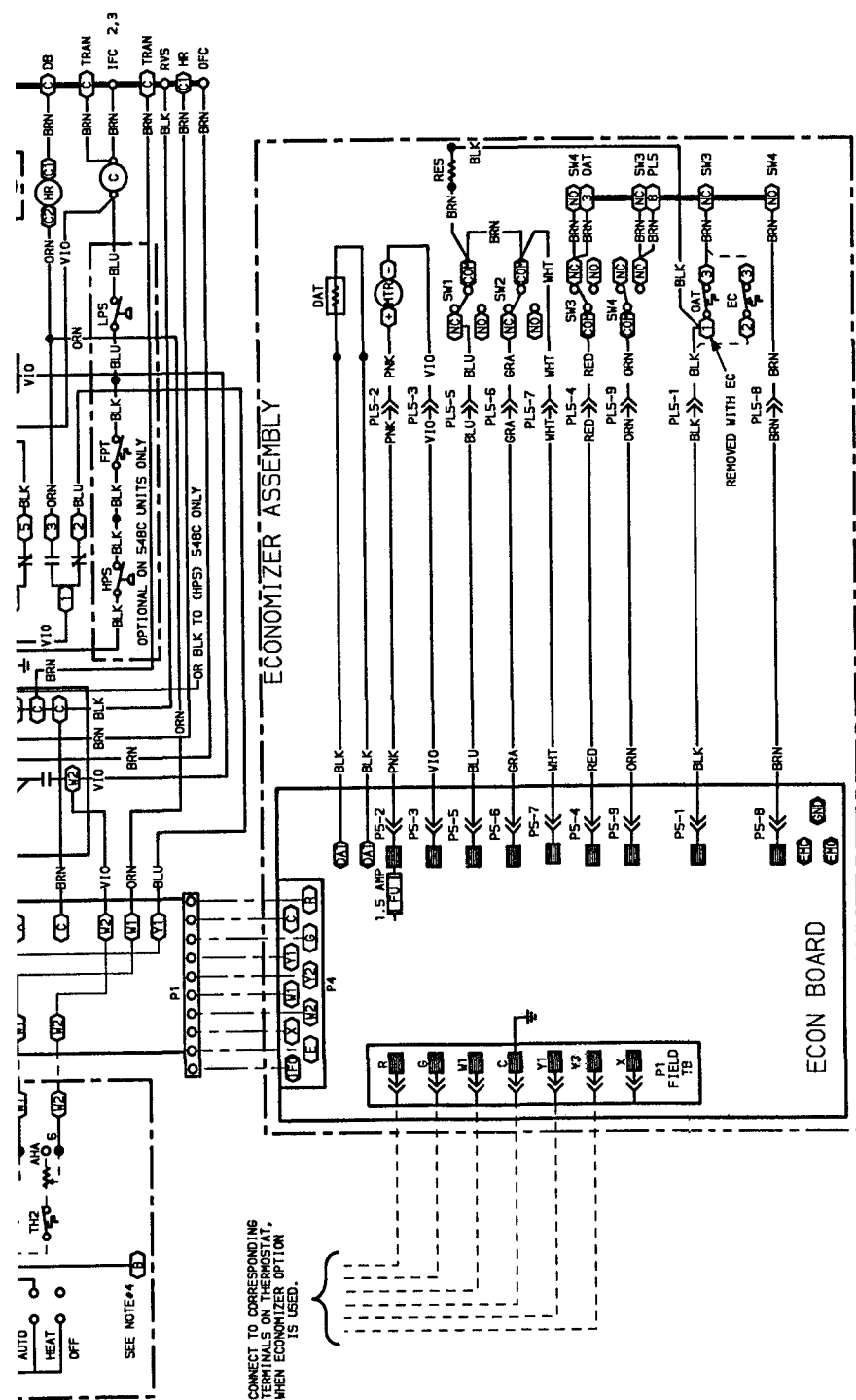
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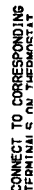
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SUPPLY

252
EQUIP GND



NOTE, 2
LINES



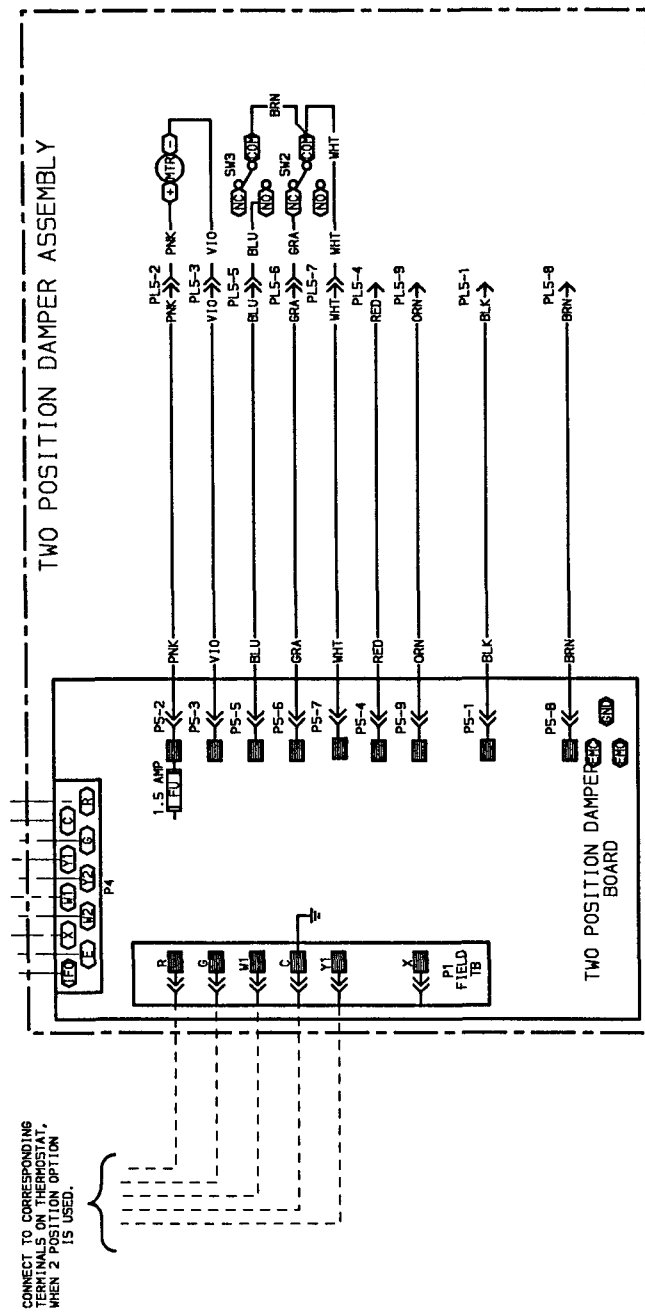
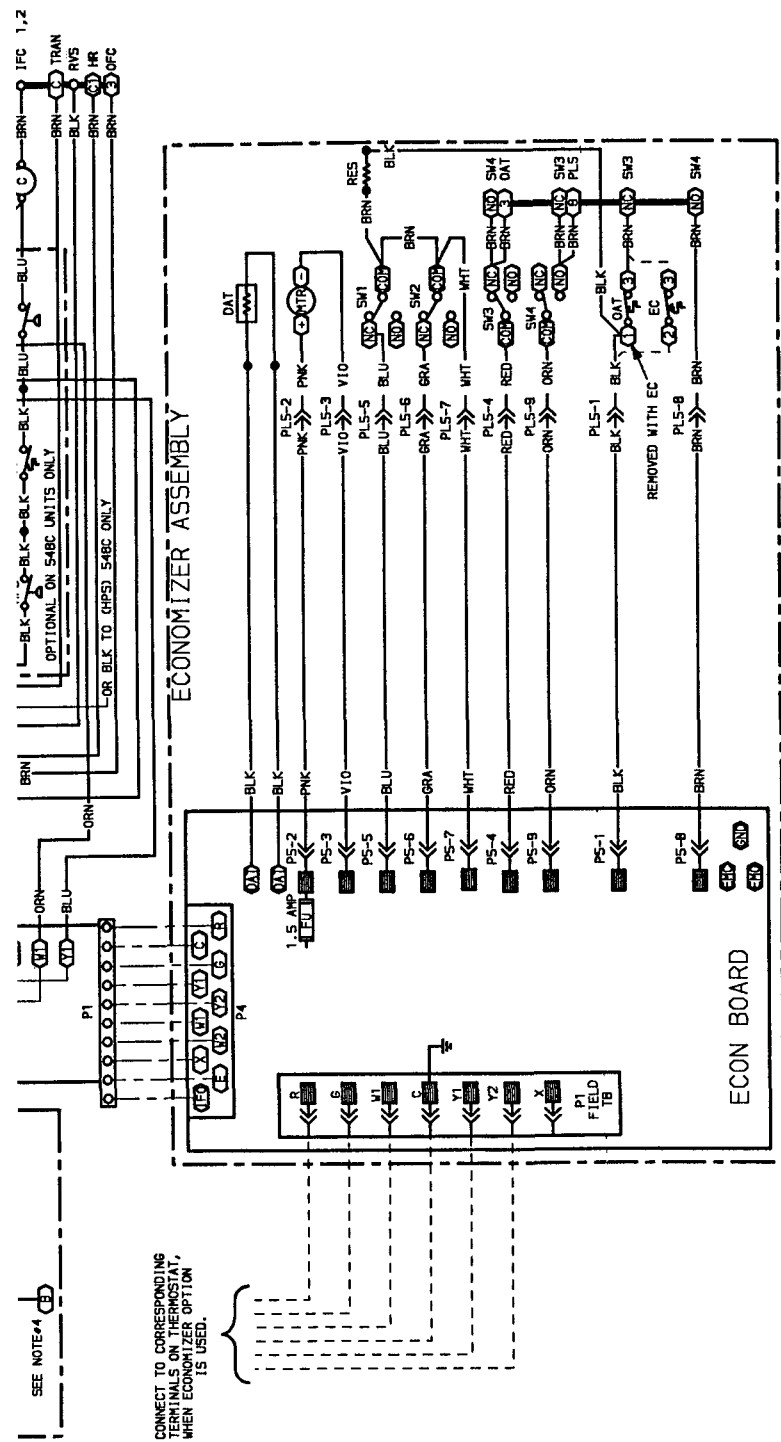
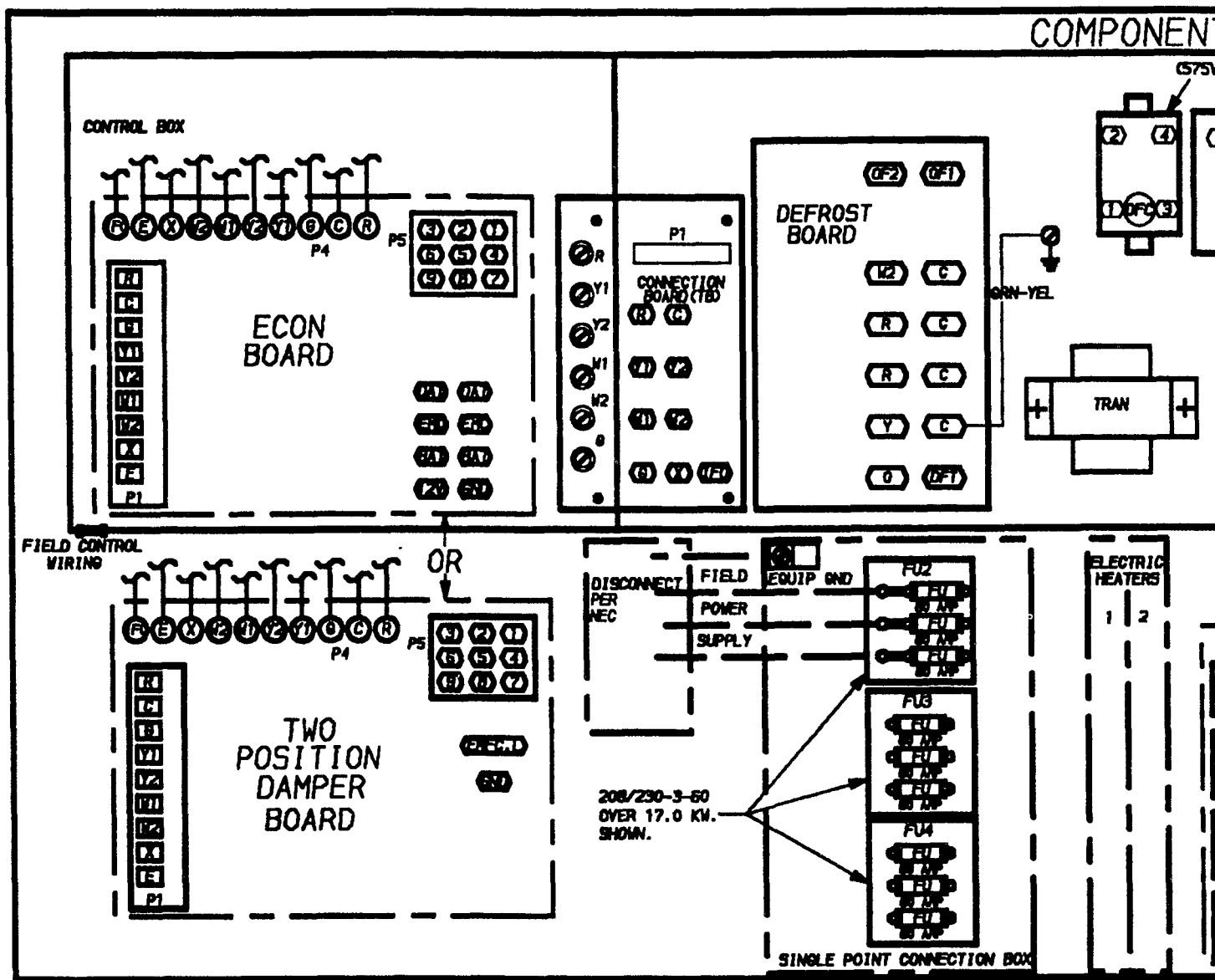


Fig. 13 — Label Diagram, Schematic; 50LJQ004-006, 575-3-60

COMPONENT

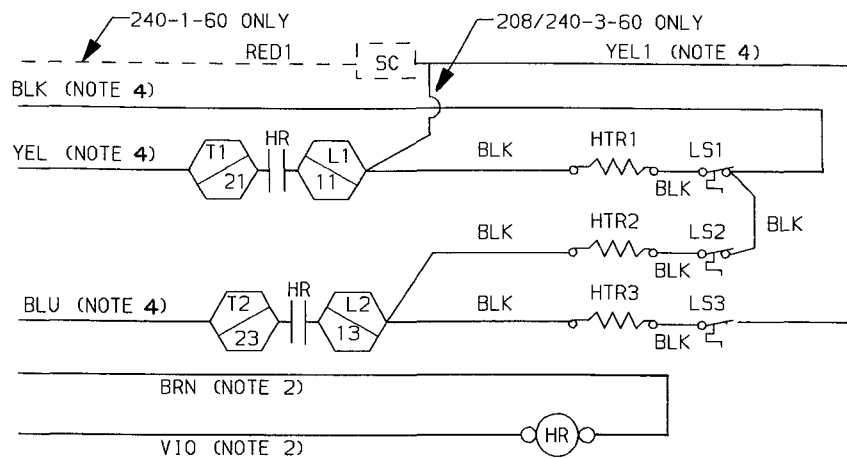


The diagram illustrates the electrical wiring for the 208-230-1-60 unit. It includes the following components and connections:

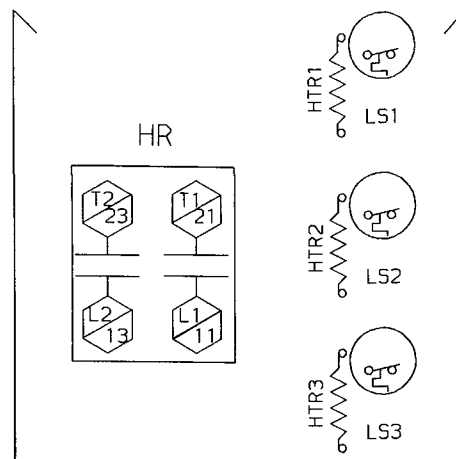
- Top Section:**
 - TRANSFORMER (TRAN):** Labeled (575V) and (460V ONLY).
 - TDR (Thermal Detection Relay):** Labeled (208-230-1-60) (WHEN APPLICABLE).
 - Control Unit:** Labeled (208/230-1-60), featuring a circular component 'C' and terminals 11, 12, 13, 21, 22, 23.
 - Capacitors:** CAP 1 and CAP 3 are shown with terminal configurations.
 - Grounding:** EQUIP GND and (460V) (208-230V) (575V) connections are indicated.
 - Relays:** T82 and T83 are shown with (575V) ratings.
- Bottom Section:**
 - Electric Heaters:** Labeled (208-230-1), with terminals 1 and 2.
 - ECONOMIZER ACCESSORY:** Includes RES, DAT, EC, and four switches (SW1, SW2, SW3, SW4) with terminal configurations.
 - TWO POSITION ACCESSORY:** Includes two switches (SW2, SW3) with terminal configurations.
 - PL5 and PL5-R:** Terminal blocks with configurations (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100).
 - Field Wiring:** Labeled FIELD DISCONNECT PER NEC.
 - Capacitors:** CAP 2 and CAP 3 are shown with terminal configurations.
 - Relays:** IFN (Interlocking Fan) and IFM (Interlocking Fan Motor) are shown with terminal configurations.
 - Compressors:** COMP (1, 2) and COMP (11, 12) are shown with terminal configurations.
 - Terminal Blocks:** TB4 (1, 2, 3, 4) and TRAN 2 (11, 12, 13, 14) are shown.
 - Wiring:** BLK, WHT, BRN, GRN-YEL, and (575V) connections are indicated.

Fig. 14 — Component Arrangement 50LJQ004-006

SCHEMATIC DIAGRAM



COMPONENT ARRANGEMENT



⚠ WARNING

Electric shock hazard —
Disconnect all branch circuits before removing this cover.

NOTES

1. To be wired in accordance with NEC and local codes.
2. BROWN and VIO 24-vac wires are supplied with heater and connected at installation to base unit as shown on base unit wiring diagram
3. For single phase, disconnect YEL1 wire from terminal L1/11 and connect RED1 wire and splice connector to loose terminal on YEL1 as shown above
4. Power wires are supplied with heater and connected at installation to base unit field power connection box as shown on base unit wiring diagram. For field installation of electric heaters, field power connection box shown on equipment nameplate must be used.

LEGEND



Sylvania
Marked Terminal
Elmwood

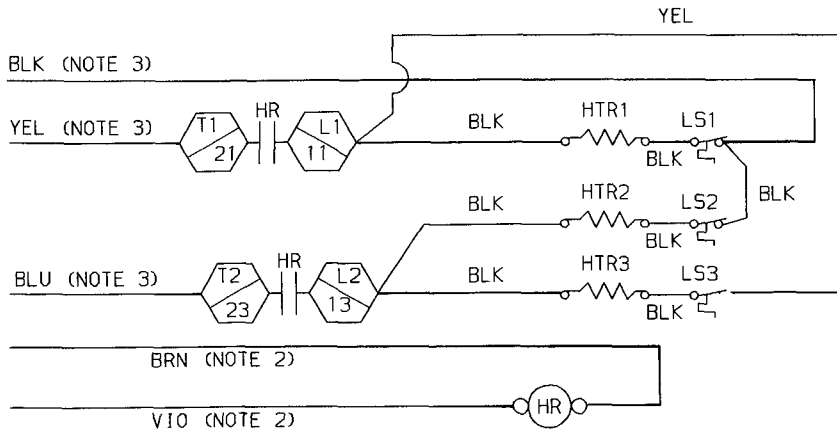


Unmarked Terminal

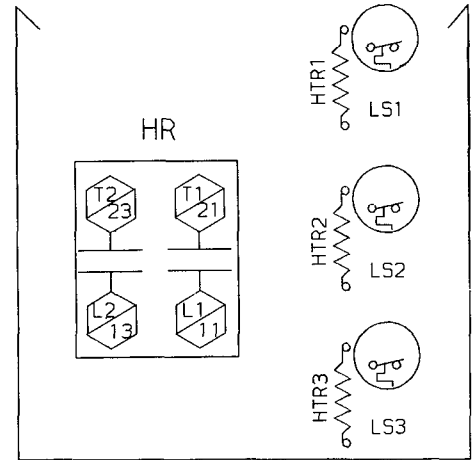
HTR — Heater
HR — Heater Relay
LS — Limit Switch
NEC — National Electrical Code
SC — Splice Connector

**Fig. 15 — Label Diagram Accessory Electric Heater;
50LJ004-007 and 50LJQ004-006, 208/240 V; Single Phase**

SCHEMATIC DIAGRAM



COMPONENT ARRANGEMENT



⚠ WARNING

Electric shock hazard —
Disconnect all branch circuits before removing this cover.

NOTES

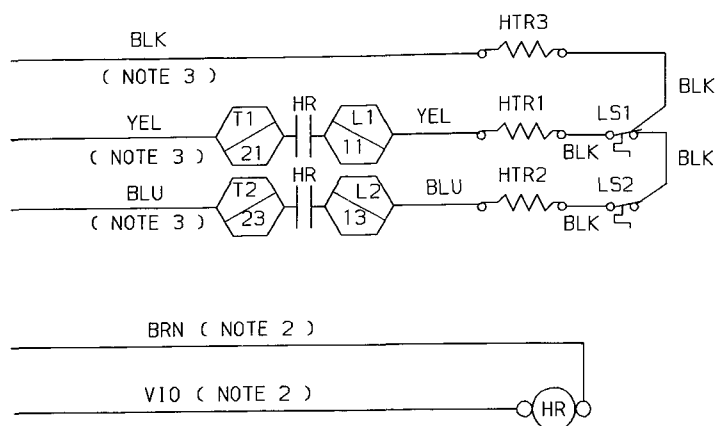
1. To be wired in accordance with NEC and local codes.
2. Brown and VIO 24-vac wires are supplied with heater and connected at installation to base unit as shown on base unit wiring diagram.
3. Power wires are supplied with heater and connected at installation to base unit field power connection box as shown on base unit wiring diagram. For field installation of electric heaters, field power connection box shown on equipment nameplate must be used.

LEGEND

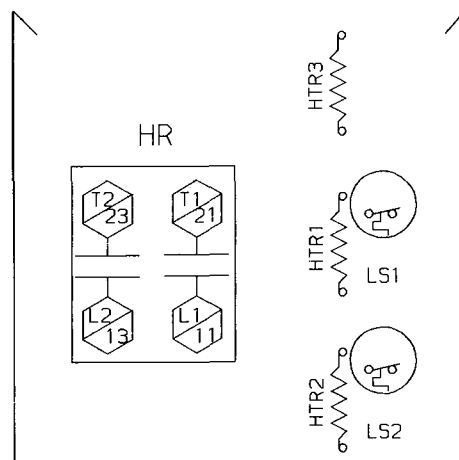
- Sylvania
Marked Terminal
Elmwood
 Unmarked Terminal
HTR — Heater
HR — Heater Relay
LS — Limit Switch
NEC — National Electrical Code

**Fig. 16 — Label Diagram, Accessory Electric Heater;
50LJ004-007 and 50LJQ004-006, 208/240 V, 3 Phase**

SCHEMATIC DIAGRAM



COMPONENT ARRANGEMENT



⚠ WARNING

Electric shock hazard —
Disconnect all branch circuits before removing this cover.

NOTES

1. To be wired in accordance with NEC and local codes
2. Brown and VIO 24-vac wires are supplied with heater and connected at installation to base unit as shown on base unit wiring diagram.
3. Power wires are supplied with heater and connected at installation to base unit field power connection box as shown on base unit wiring diagram. For field installation of electric heaters, field power connection box shown on equipment nameplate must be used

LEGEND

- Sylvania Marked Terminal Elmwood
 Unmarked Terminal
HTR — Heater
HR — Heater Relay
LS — Limit Switch
NEC — National Electrical Code

**Fig. 17 — Label Diagram, Accessory Electric Heater;
50LJ004-007 and 50LJQ004-006, 480 V, 3 Phase**

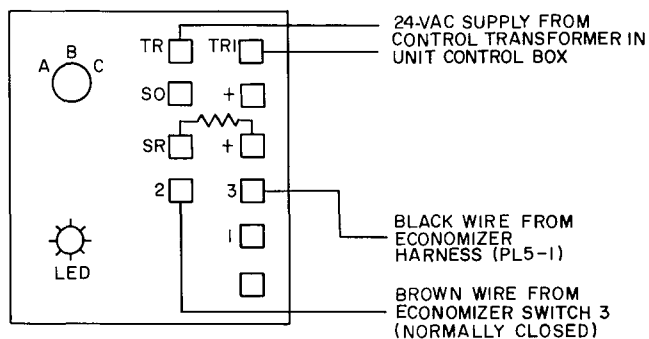


Fig. 18 — Wiring Connections for Solid-State Enthalpy Control (HH57AC077)

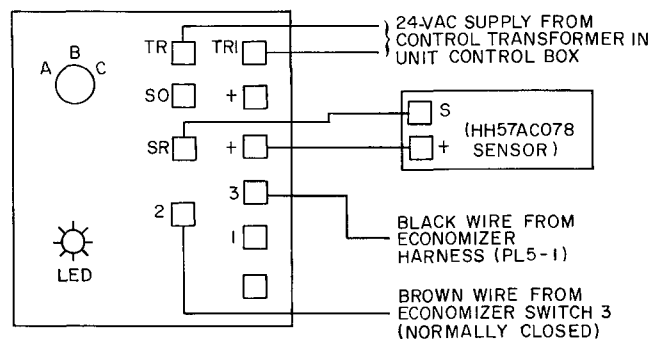


Fig. 19 — Wiring Connections for Differential Enthalpy Control (HH57AC077 and HH57A078)

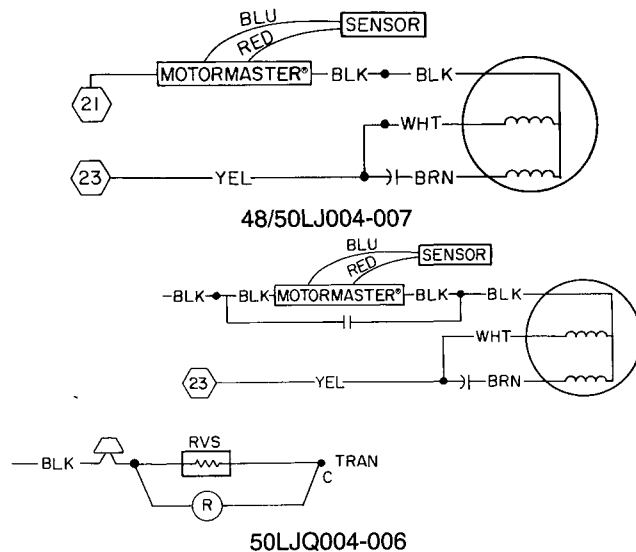


Fig. 20 — Accessory Motormaster® Device Wiring

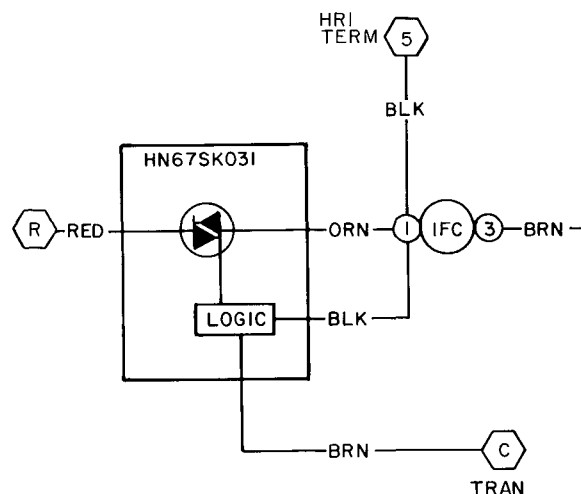
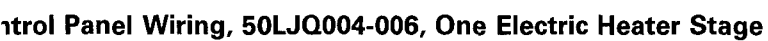


Fig. 21 — Time Delay Relay Wiring



ROOM THERMOSTAT

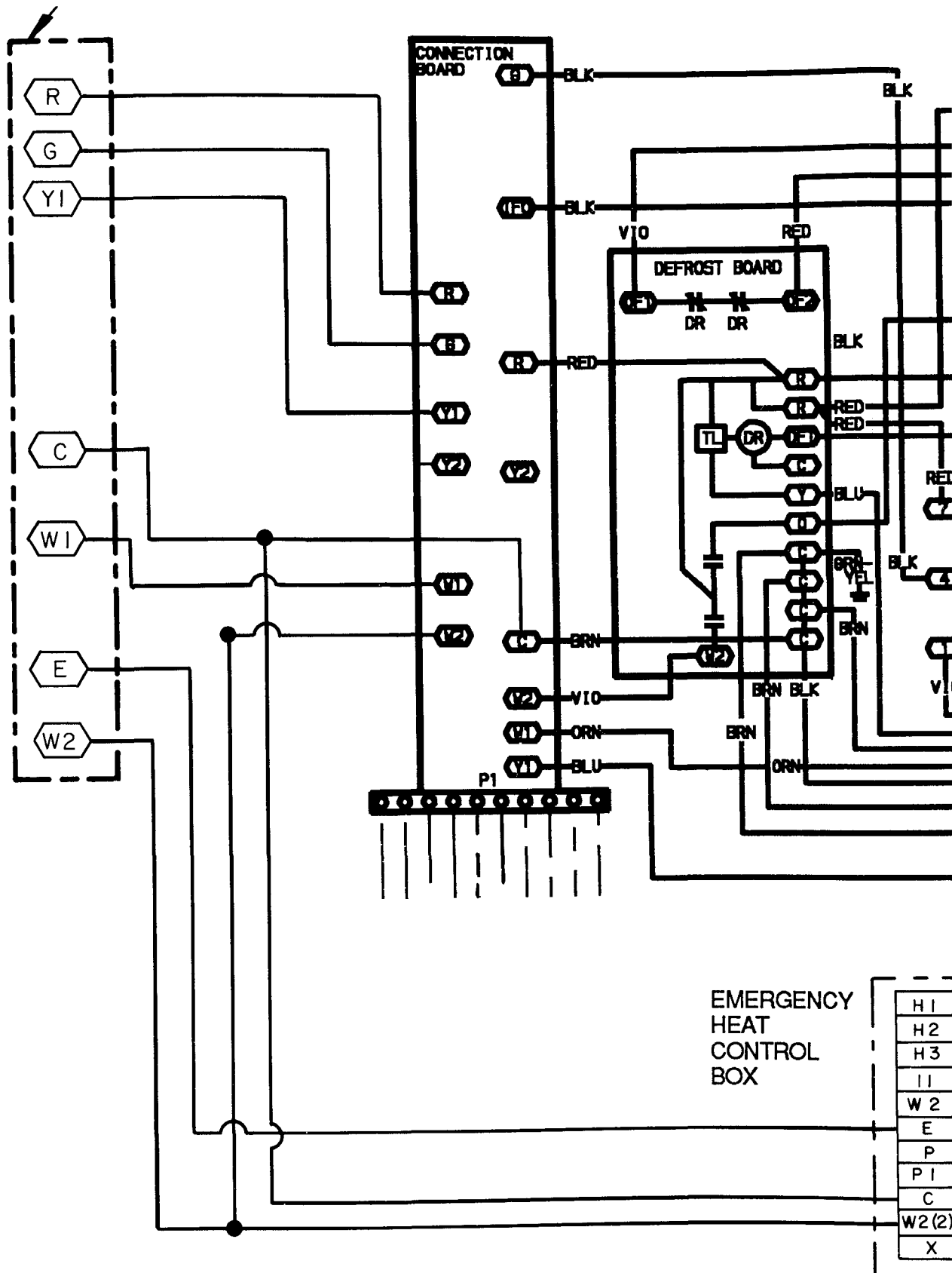
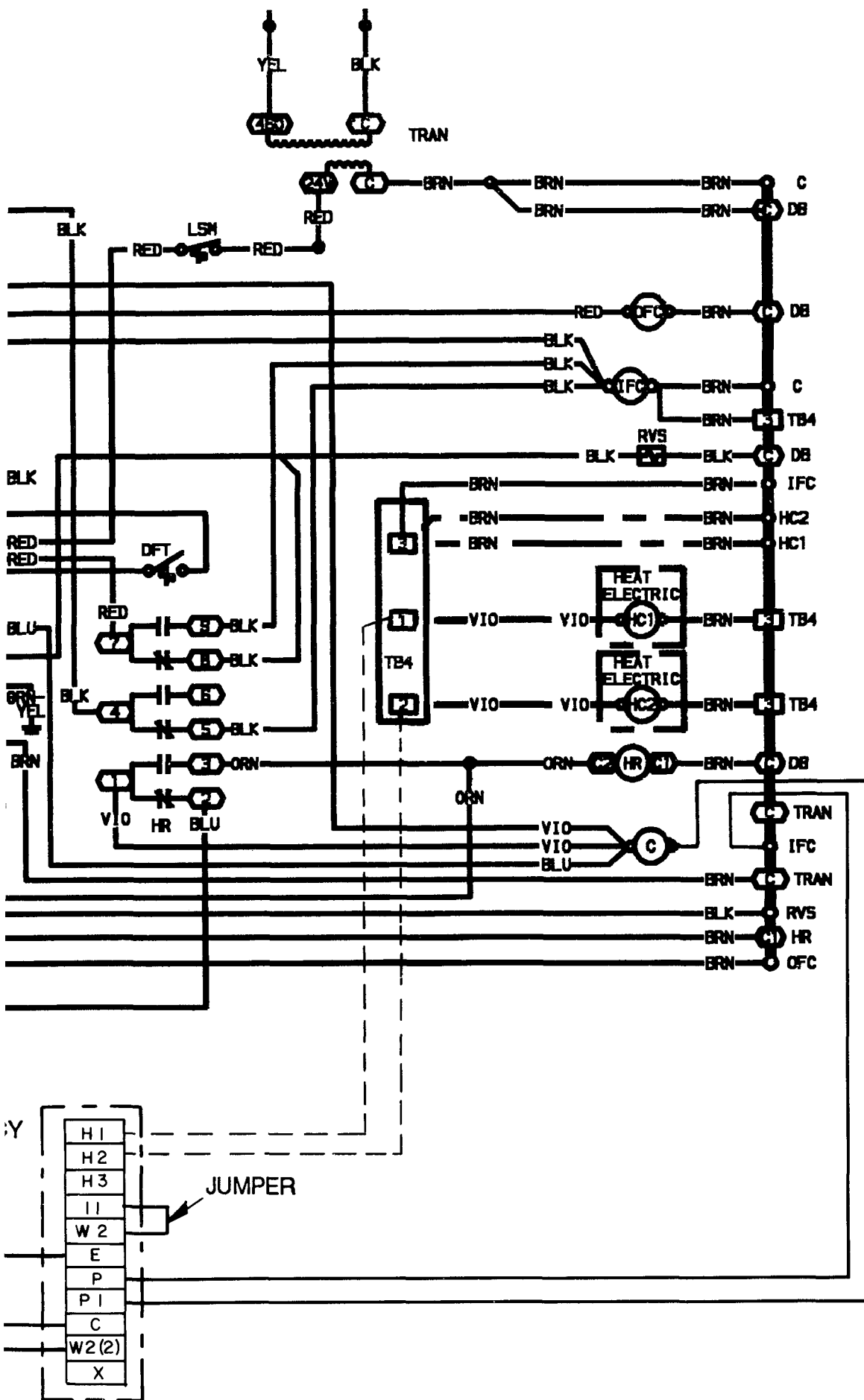
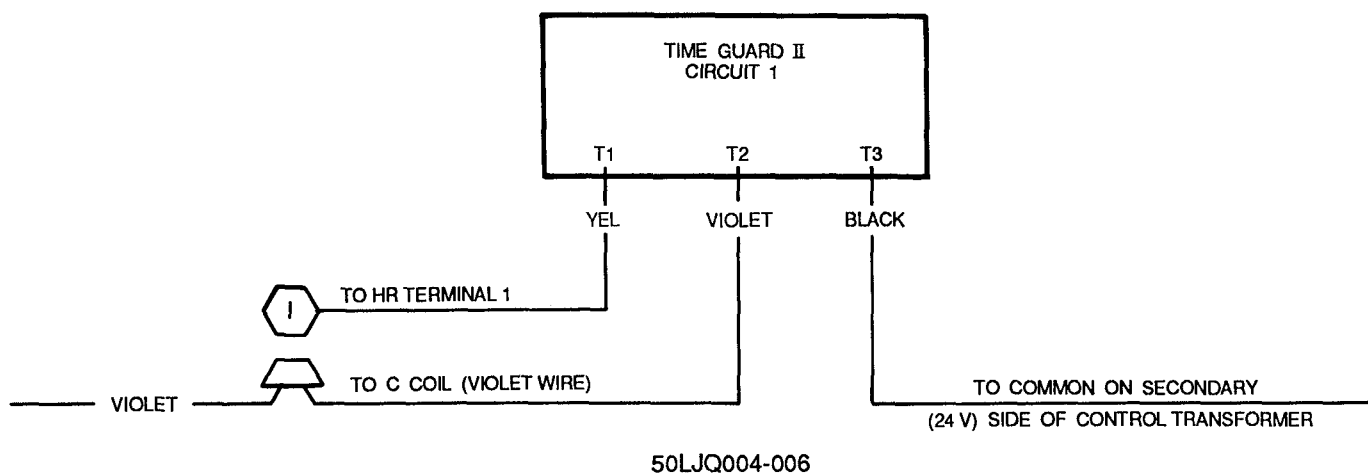
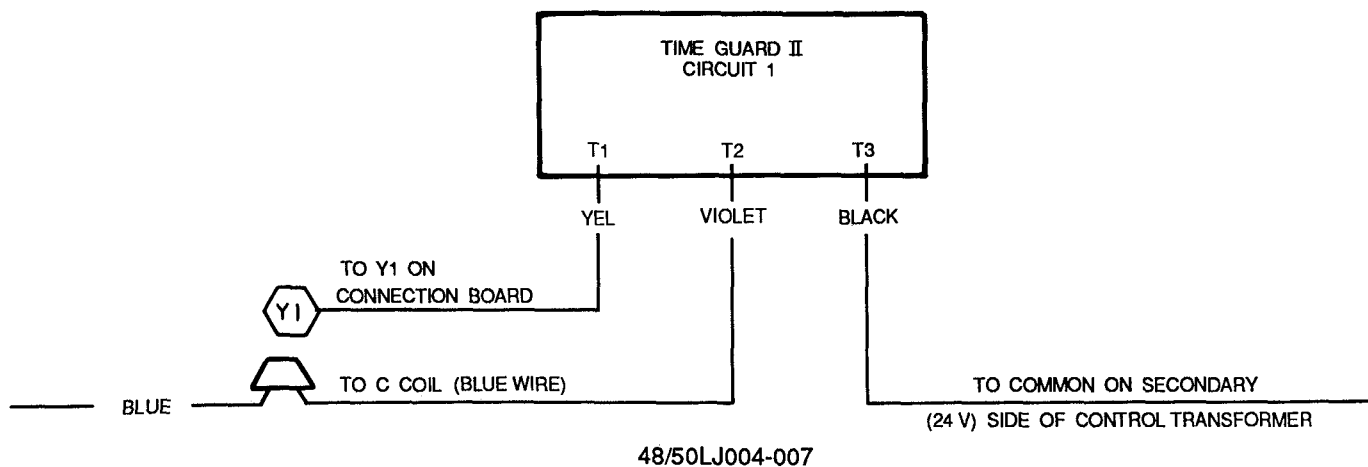


Fig. 23 — Emergency Heat Control Panel Wiring, 50LJ



Wiring, 50LJQ004-006, 2 Electric Heater Stages



HR — Heater Relay

Fig. 24 — Time Guard® II Control Circuit Wiring

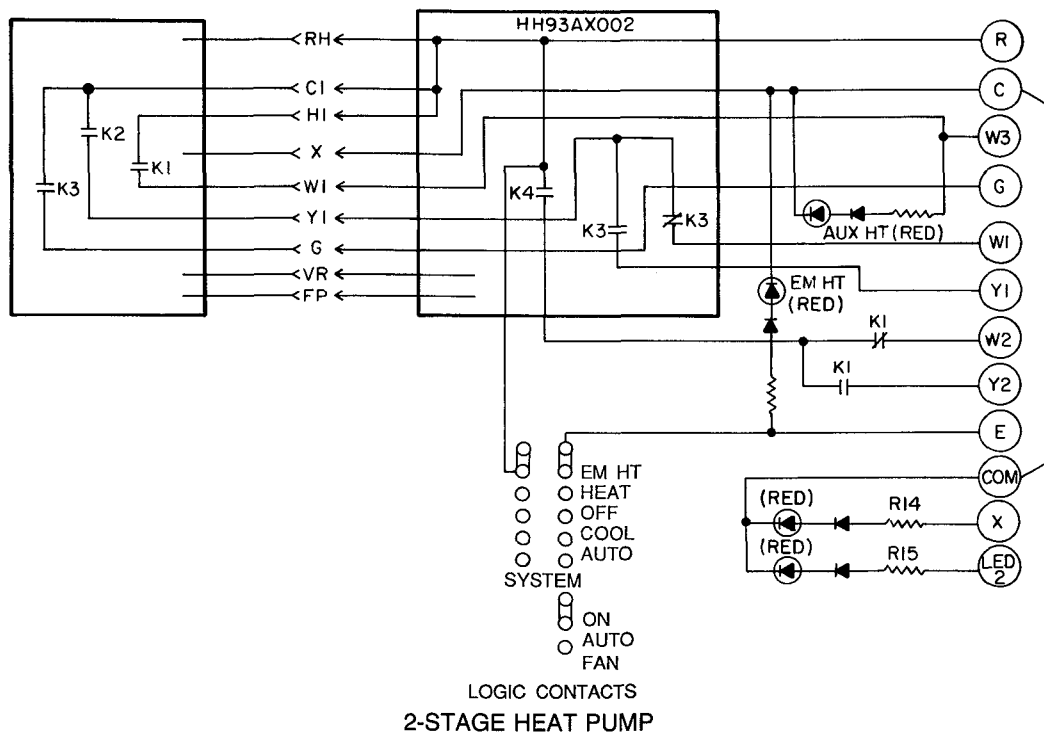
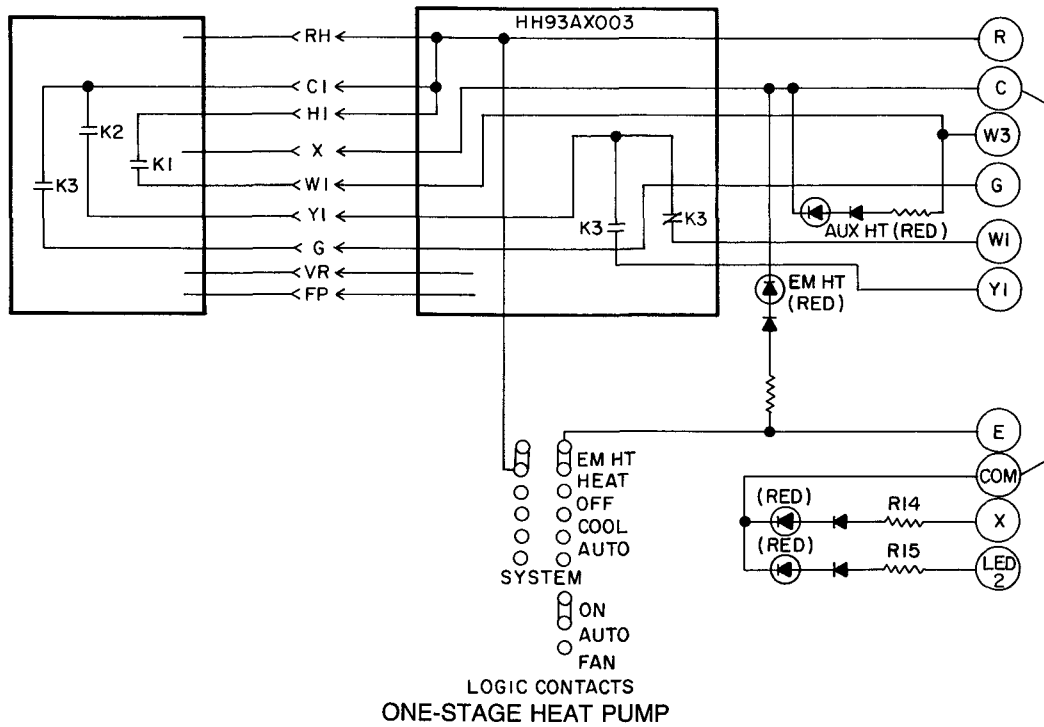
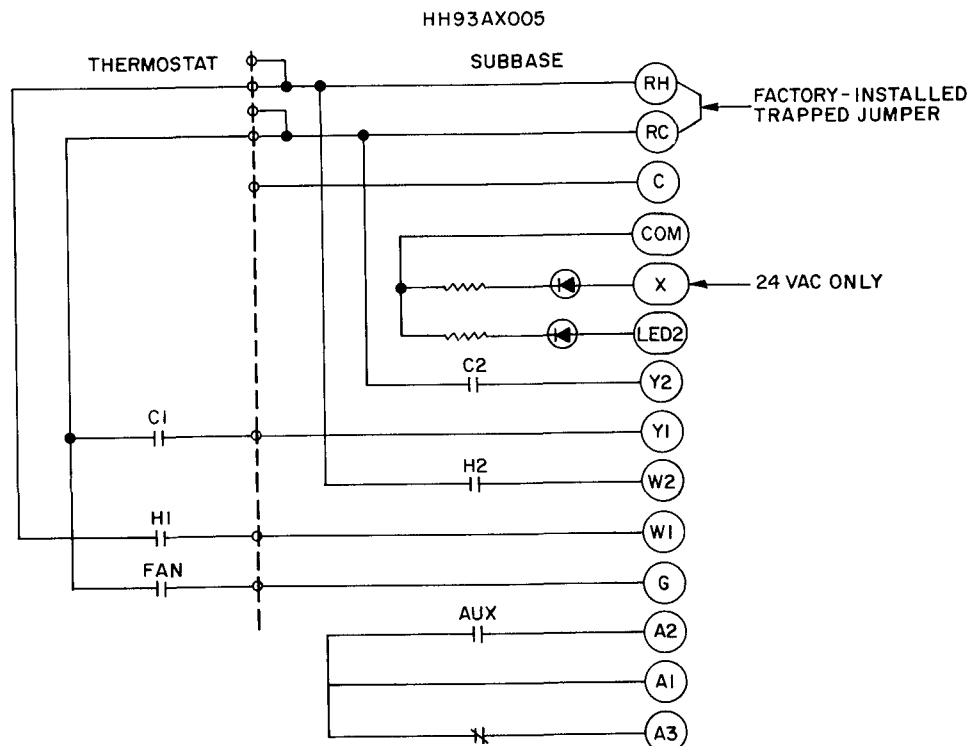
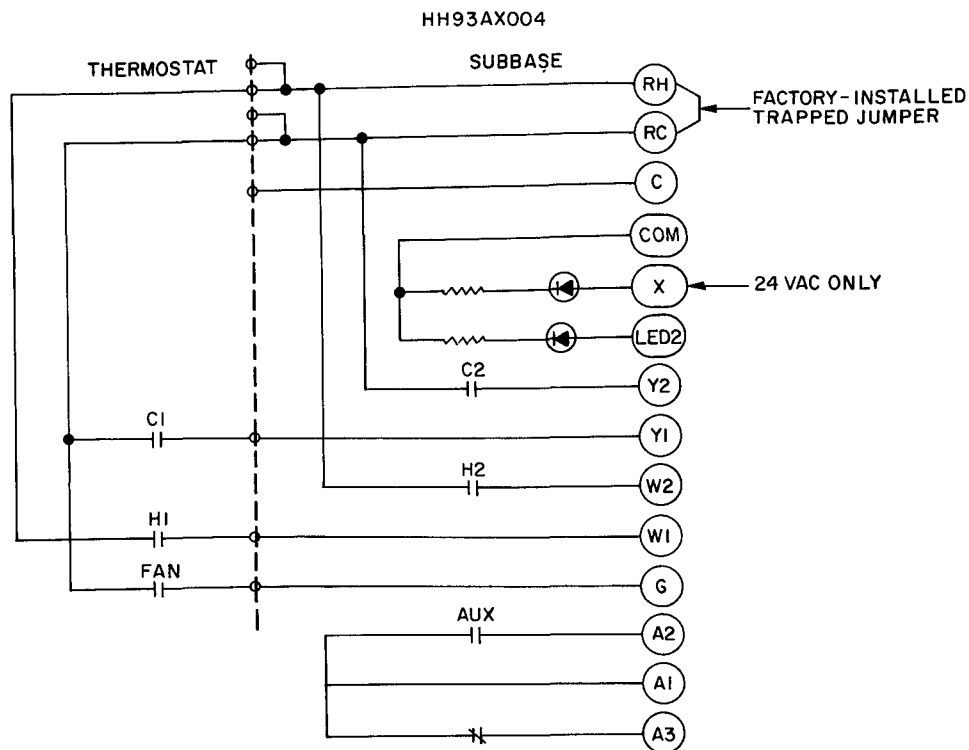


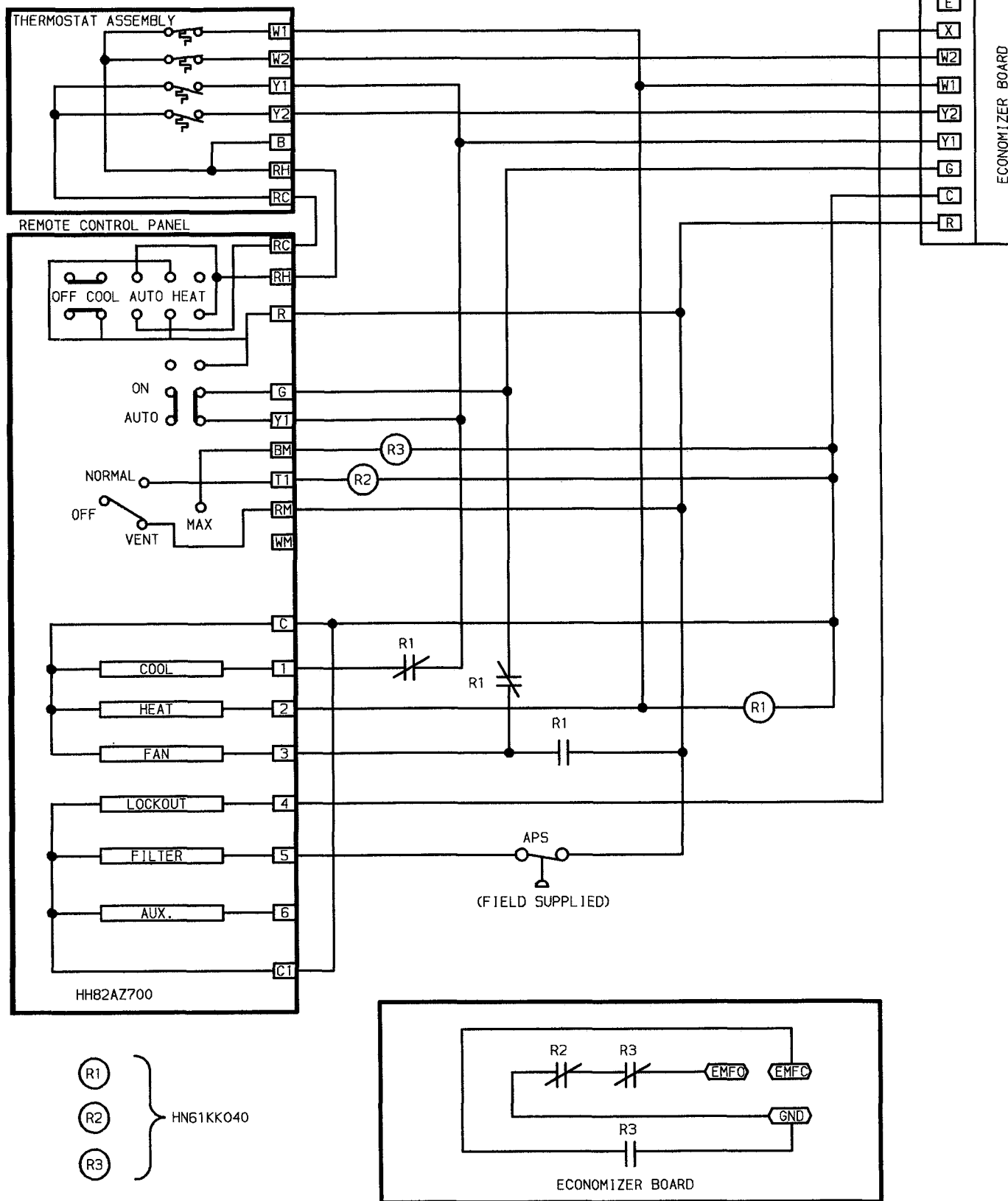
Fig. 25 – Electronic Thermostat Schematic



LEGEND

AUX — Auxiliary	LED — Light-Emitting Diode
CLO — Compressor Lockout	R — 24 V
COM — Common	W1 — Stage 1 Heat
E — EM HT	W2 — Stage 2 Heat
EM — Emergency	W3 — Aux Heat
G — Fan	Y1 — Stage 1 Cool
HT — Heat	Y2 — Stage 2 Cool

Fig. 25 — Electronic Thermostat Schematic (cont)



LEGEND

APS — Air Pressure Switch
EMFC — Energy Management — Fully Closed
EMFO — Energy Management — Fully Open
GND — Ground

Fig. 26 – Remote Control Panel Wiring

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Tab	1a	1b	5a	5a	6a	6b

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