



TRANE™

Wiring Manual

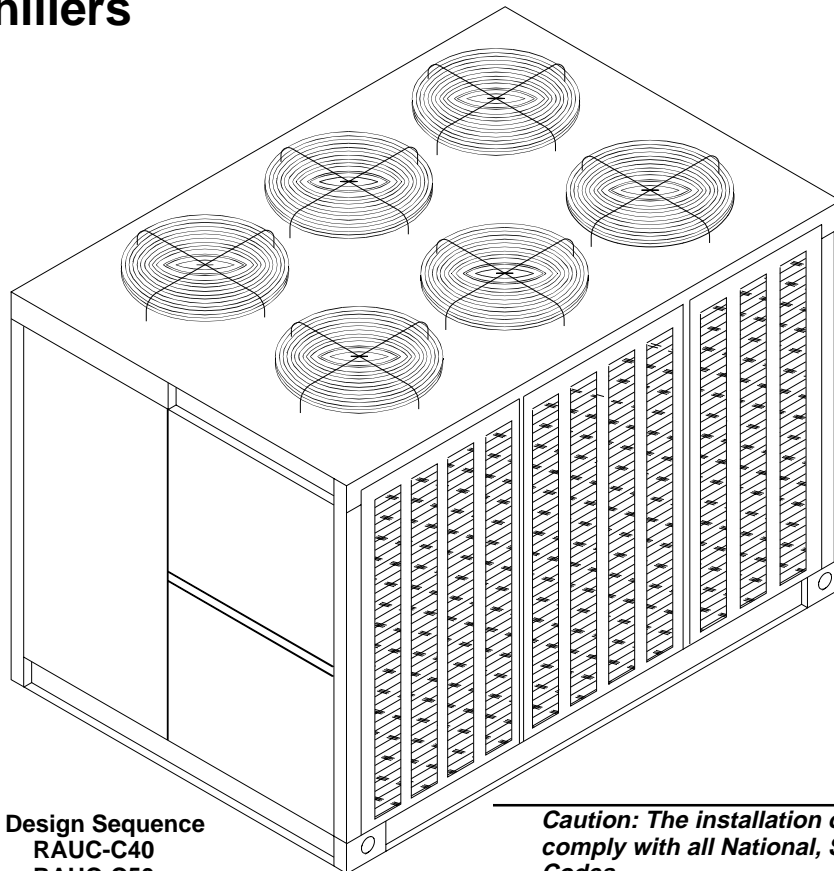
RAUC-W-21

Important! This document is customer property and must be retained by the unit's maintenance personnel.

Library	Service Literature
Product Section	Unitary
Product	Split System Air Conditioning
Model	RAUC
Literature Type	Wiring
Sequence	21
Date	December 2001
File No.	SV-UN-S/S-RAUC-W-21-12/01
Supersedes	New

Split System Remote Condensing Units and EVP Chillers

This wiring manual contains; Field Wiring Schematics for; No Controls, Variable Air Volume, and EVP Control applications, Power Schematics for all controls, Various Control Schematics, and Connection Diagrams.



Models

- "V" and Later Design Sequence
- RAUC-C20 RAUC-C40
- RAUC-C25 RAUC-C50
- RAUC-C30 RAUC-C60

Caution: The installation of this equipment must comply with all National, State, and Local Codes.

With 3-D™ Scroll Compressors

Table of Contents

General Information

Literature Change History	2
Warnings and Cautions	2
Model Number Description	3

Wiring Diagrams

Figure 1

Wire Selection & Fuse Replacement Table for 20 through 60 Ton Units	4
Field Control Wiring Diagram Notes	5

Figure 2

Typical Field Control Wiring Diagram for "No System Controls" Application	6
--	---

Figure 3

Typical Field Control Wiring Diagram for "Constant Volume" Application	7
---	---

Figure 4

Typical Field Control Wiring Diagram for "Variable Air Volume" Application	8
---	---

Figure 5

Typical Field Control Wiring Diagram for "EVP" Application	9
---	---

Figure 6

Typical Power Schematic Diagram for 20 through 60 Ton Units	10
--	----

Figure 7

Typical "No System Control" Schematic Diagram for 20 through 60 Ton Units	12
--	----

Figure 8

Typical "Constant Volume" Schematic Diagram for 20 through 60 Ton Units	14
--	----

Figure 9

Typical "Variable Air Volume" Schematic Diagram for 20 through 60 Ton Units	16
--	----

Figure 10

Typical "EVP" Schematic Diagram for 20 through 60 Ton Units	18
--	----

Figure 11

Typical Low Ambient Control and Connection Diagram for 20 through 60 Ton Units	20
---	----

Figure 12

Typical Connection Diagram for 20 through 60 Ton Units with "No System Controls" Plate	22
Typical "Control Plate" Connection Diagram Notes	24

Figure 13

Typical Connection Diagram with "Constant Volume" Control Plate	25
--	----

Figure 14

Typical Connection Diagram with "Variable Air Volume" Control Plate	26
--	----

Figure 15

Typical Connection Diagram with "EVP" Control Plate	27
--	----

Literature Change History

RAUC-W-21 (December 2001)

Original issue of wiring manual; provides typical field wiring and electrical schematics for "V" and later design sequence on RAUC-C20 through C60 Ton units with; no controls, constant volume (CV), variable air volume (VAV) and EVP controls.

Note: The customer connection diagrams and electrical schematics are typical illustrations and are published for general reference only. These diagrams may not reflect the actual wiring in your unit, always refer to the wiring diagrams that shipped with the unit for specific electrical schematic and connection information.

Warnings and Cautions

Warnings are provided to alert installing contractors, operators, and service personnel of potential hazards that could result in personal injury or death.

Cautions are designed to alert personnel that equipment damage could occur if specific instructions are not followed.

Model Number Description

All Trane products are identified by a multiple-character model number that precisely identifies a particular type of unit. An explanation of the alphanumeric identification codes used for RAUC units is provided on this page. Its use will enable the owner/operator, installing contractors, and service engineers to define the unit's specific components, type of application, i.e. CV, VAV, EVP or No System Controls and options for any particular unit.

When ordering replacement parts or requesting service, be sure to refer to the specific model number, serial number, and DL number (if applicable) stamped on the unit nameplate.

Sample Model No.: RAUC - C60 E B L 1 3 A, F, G, 1, etc

Digit No.: 1 2 3 4 5,6,7 8 9 10 11 12 13+

Digit 1 - Unit Type

R = Remote Condensing Unit

Digit 2 - Condenser

A = Air Cooled

Digit 3 - Air Flow

U = Up Flow

Digit 4 - Development Sequence

C = Third

Digits 5, 6, 7 - Nominal Capacity

C20 = 20 Tons
C25 = 25 Tons
C30 = 30 Tons
C40 = 40 Tons
C50 = 50 Tons
C60 = 60 Tons

Digit 8 - Power Supply

E = 200/60/3 XL

F = 230/60/3 XL

4 = 460/60/3 XL

5 = 575/60/3 XL

9 = 380/50/3 XL

D = 415/50/3 XL

Digit 9 - System Control

B = No System Control

C = Constant Volume Control

E = Supply Air VAV Control

P = EVP Control

Digit 10 - Design Sequence

V = Disconnect Redesign

Digit 11 - Ambient Control

0 = Standard

1 = Low Ambient 0° F

Digit 12 - Agency Approval

0 = None

3 = UL / CSA

Digit 13 - Miscellaneous Options

A = Unit Mounted Disconnect Switch

B = Hot Gas Bypass Valves *

D = Suction Service Valves

F = Pressures Gauges & Gauge Piping *

G = Return Air Sensor *

H = Condenser Coils with Copper Fins

T = Flow Switch (EVP Only) *

1 = Spring Isolators *

2 = Neoprene Isolators *

9 = Packed Stock

* Field Installed Options

Figure 1
Wire Selection & Fuse Replacement Table for 20 through 60 Ton Units

CUSTOMER WIRE SELECTION			
POWER WIRE SELECTION TO DISCONNECT SWITCH (1S1)			
UNIT SIZE	UNIT VOLTAGE	DISCONNECT SWITCH SIZE	CONNECTOR WIRE RANGE
20 - 40 TON	380/415/460/575 VOLT	100 AMP	(1) #14 - 1/0
50 TON	575 VOLT	100 AMP	(1) #14 - 1/0
20 - 40 TON	200/230 VOLT	250 AMP	(1) #4 - 350 kcmil
50 - 60 TON	380/415/460 VOLT	250 AMP	(1) #4 - 350 kcmil
60 TON	575 VOLT	250 AMP	(1) #4 - 350 kcmil
50 - 60 TON	200/230 VOLT	400 AMP	(1) #1 - 600 kcmil OR (2) #1 - 250 kcmil
POWER WIRE SELECTION TO MAIN TERMINAL BLOCK (1TB1)			
UNIT SIZE	UNIT VOLTAGE	TERMINAL BLOCK SIZE	CONNECTOR WIRE RANGE
20 - 60 TON	ALL VOLTAGES	335 AMP	(1) #6 - 350 MCM
CONTROL WIRE SELECTION TO CONTROL TERMINAL BLOCKS (7TB5 THRU 7TB8 6TB9)			
WIRE GAUGE	OHMS PER 1000 FEET	MAX WIRE LENGTH	
18 AWG	8	500 FT	
16 AWG	5	1000 FT	
14 AWG	3	2000 FT	

Field Control Wiring Diagram Notes

Use with Figures 2, 3, 4 & 5

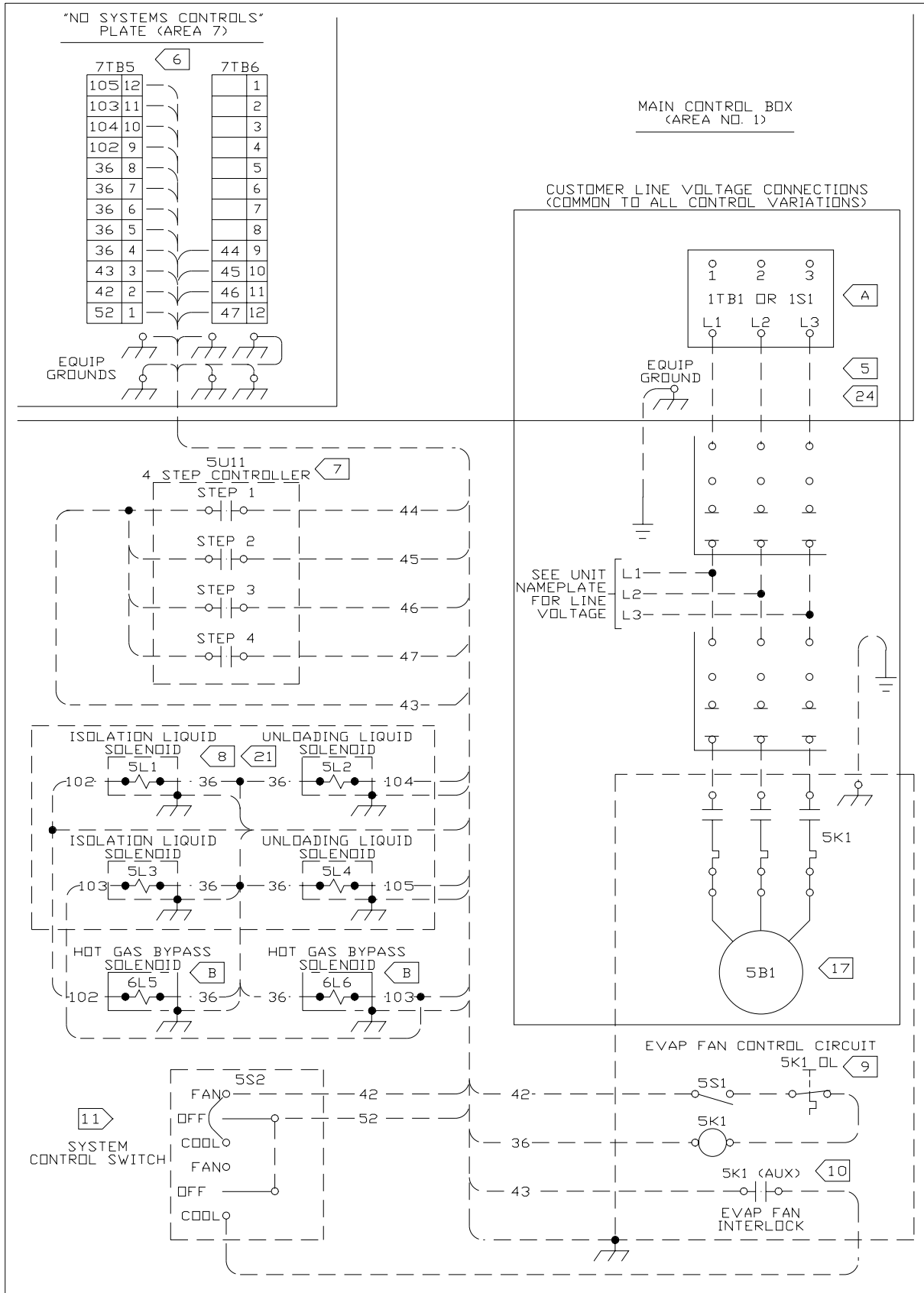
NOTE:

1. ALL WIRING AND COMPONENTS SHOWN DASHED TO BE SUPPLIED AND INSTALLED BY CUSTOMER IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES.
 2. ALL WIRING TO BE N.E.C. CLASS 1 UNLESS OTHERWISE SPECIFIED.
 3. CAUTION -- DO NOT ENERGIZE UNIT UNTIL CHECK-OUT AND START-UP PROCEDURES HAVE BEEN COMPLETED.
 4. ALL THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASE FAILURE CONDITIONS.
 5. SEE TABLE OF ACCEPTABLE WIRE SIZES FOR CONNECTION TO MAIN UNIT TERMINAL BLOCK (1TB1) OR DISCONNECT SWITCH (1S1).
 6. SIZE CONTROL WIRING SUCH THAT TOTAL WIRE RESISTANCE OF THE RUN DOES NOT EXCEED 6 OHMS. SEE TABLE FOR WIRE SELECTION.
 7. 4 STEP CONTROLLER (5U11) MIN. RATING - N.O. CONTACTS = 150 VA INRUSH/75 VA SEALED; N.C. CONTACTS = 80 VA INRUSH/40 VA SEALED.
 8. ISOLATION LIQUID SOLENOID VALVES (5L1,5L3), UNLOADING LIQUID SOLENOID VALVES (5L2,5L4) AND HOT GAS BYPASS SOLENOID VALVES (6L5,6L6) -- MAX. SOLENOID RATINGS ARE 72 VA INRUSH/30 VA SEALED.
 9. EVAPORATOR OR CIRCULATING PUMP CONTROL CIRCUIT MAX. RATINGS ARE 240 VA INRUSH/40 VA SEALED.
 10. STARTER INTERLOCK (5K1 AUX), OUTSIDE AIR T-STAT (5S57), SYSTEM ON/OFF SWITCH (5S1), STARTER OVERLOAD RELAY (5K1 OL) AND FLOW SWITCH (6S58) MIN. RATINGS ARE 250 VA INRUSH/125 VA SEALED.
 11. SUGGESTED SYSTEM CONTROL SWITCH (5S2) FOR "NO SYSTEM CONTROLS" OPTION IS CUTLER HAMMER 7562K5 2PDT TOGGLE SWITCH OR EQUIVALENT.
 12. REMOVE RESISTOR (7R5 - 7TB8-4 & 5) WHEN FIELD SUPPLIED ECONOMIZER IS REQUIRED WITH OPTIONAL VARIABLE AIR VOLUME ("VAV") CONTROLS.
 13. WIRING FOR DUCT SENSOR (6RT1), CHILLER TEMP SENSOR (6RT2), DISCHARGE AIR SENSOR (6RT3) AND RETURN AIR SENSOR (6RT6) MUST BE SHIELDED CABLE AND NOT RUN IN CONDUIT WITH OTHER WIRING. FOR RUNS UNDER 500 FEET USE 16 GA (MIN) WIRE. FOR RUNS FROM 500 TO 1000 FEET USE 14 GA (MIN) WIRE. MAXIMUM RUN IS 1000 FEET. GROUND SHIELD AT ONE END ONLY.
 14. SUGGESTED SYSTEM CONTROL SWITCH (5S2) FOR "VAV" CONTROLS OPTION IS CUTLER HAMMER 7580K5 SPST TOGGLE SWITCH OR EQUIVALENT.
 15. WHEN NIGHT SETBACK IS REQUIRED WITH OPTIONAL "VAV", PROVIDE A CONTACT CLOSURE SUITABLE FOR A DRY CIRCUIT WITH MIN. RATING OF 125 VA/24 VAC - PILOT DUTY. REMOVE JUMPER (7TB7-4 & 5) WHEN REQUIRED.
 16. OUTSIDE AIR T-STAT (5S57) IS REQUIRED ONLY WITH "EVP" OPTION - FOR LOW AMBIENT COMPRESSOR LOCKOUT.
 17. CIRCUIT AS SHOWN IS FOR A CUSTOMER SUPPLIED EVAPORATOR FAN MOTOR (5B1) AND EVAP FAN STARTER (5K1). WHEN "EVP" OPTION IS REQUIRED, THIS CIRCUIT BECOMES A CIRCULATING PUMP MOTOR (5B1) AND A CIRCULATING PUMP STARTER (5K1).
 18. INSTALL JUMPER (6TB9-7 & 8) WHEN HOT GAS BYPASS OPTION IS REQUIRED WITH OPTIONAL "EVP". INSTALL HOT GAS BYPASS SOLENOID VALVE (6L5) AS SHOWN.
 19. WHEN DUCT SENSOR (6RT1) IS REQUIRED, REMOVE RESISTOR (7R1 FROM 7TB8-5 & 6).
 20. CUSTOMER SUPPLIED HEATER CONTACTOR CONTROL CIRCUIT - 120V/240V/1PH MAX RATING = 750VA INRUSH, 75VA SEALED; 24V/1PH MAX RATING = 240VA INRUSH, 60VA SEALED.
 21. ISOLATION LIQUID SOLENOID VALVES (5L1,5L3) ARE REQUIRED FOR CHARGE ISOLATION (PROVIDED AND INSTALLED BY THE FIELD). UNLOADING LIQUID SOLENOID VALVES (5L2,5L4), IF APPLICABLE, ARE PROVIDED INSTALLED BY THE FIELD.
 22. CAUTION - DO NOT RUN LOW VOLTAGE WIRE (30 VOLTS MAXIMUM) IN CONDUIT OR RACEWAY WITH HIGHER VOLTAGE WIRE.
23. THE FOLLOWING CAPABILITIES ARE OPTIONAL - THEY ARE IMPLEMENTED AND WIRED AS REQUIRED FOR A SPECIFIC APPLICATION.
- A UNIT DISCONNECT SWITCH - NON FUSED (AVAILABLE ON ALL CONTROL OPTIONS)
 - B HOT GAS BYPASS (AVAILABLE ON ALL CONTROL OPTIONS)
 - G RETURN AIR SENSOR (AVAILABLE WITH "CONSTANT VOLUME" CONTROL)
 - T FLOW SWITCH (AVAILABLE WITH "EVP" CONTROL)
24. SUPPLY CONDUCTORS MUST BE SIZED PER AMPACITIES BASED ON 60°C WIRE.

Figure 2

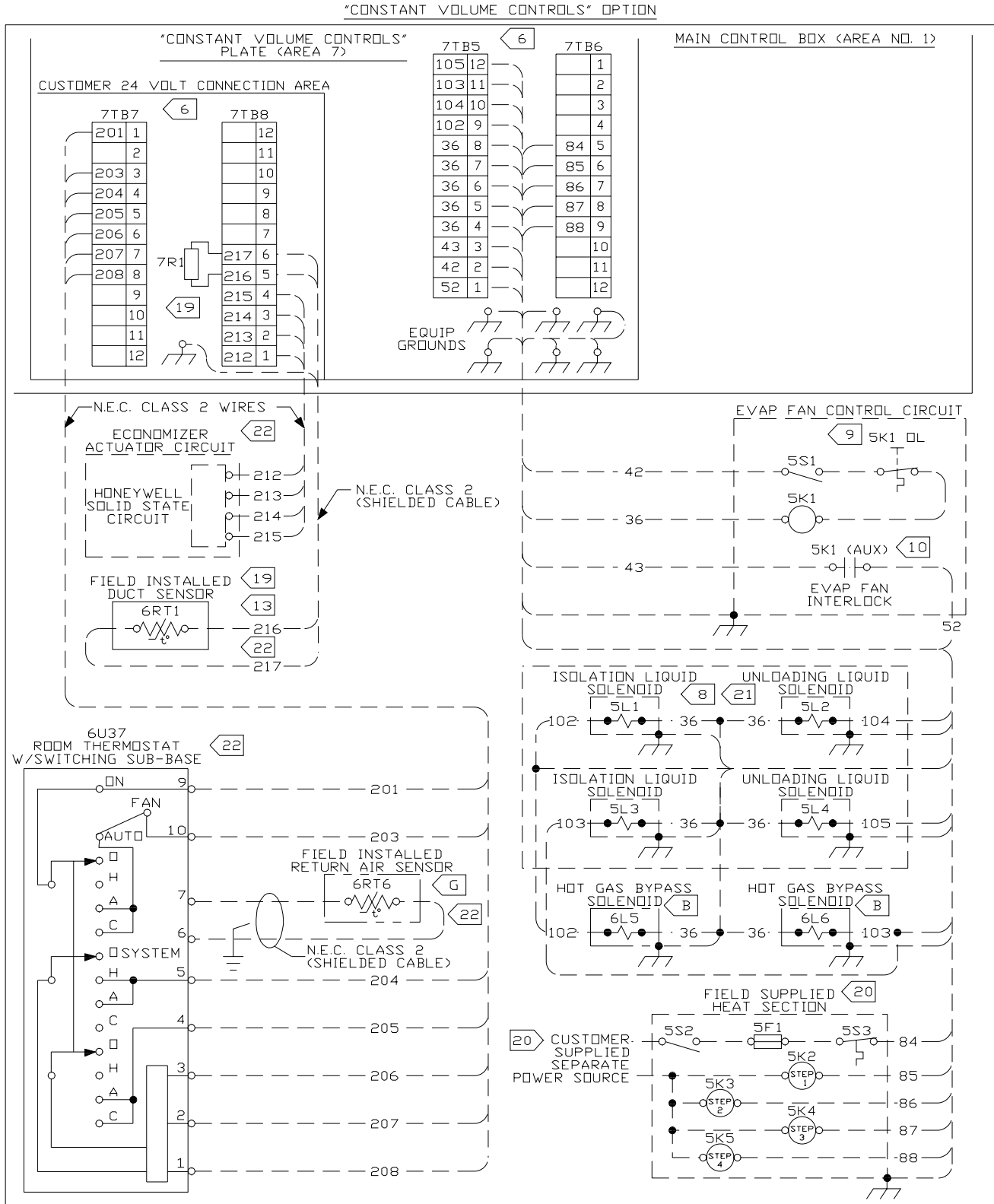
**Typical Field Control Wiring Diagram for "No System Controls" Application
(Refer to the Wire Sizing Table & Notes on page 4 & 5)**

"NO SYSTEM CONTROLS" OPTION



2307-5691

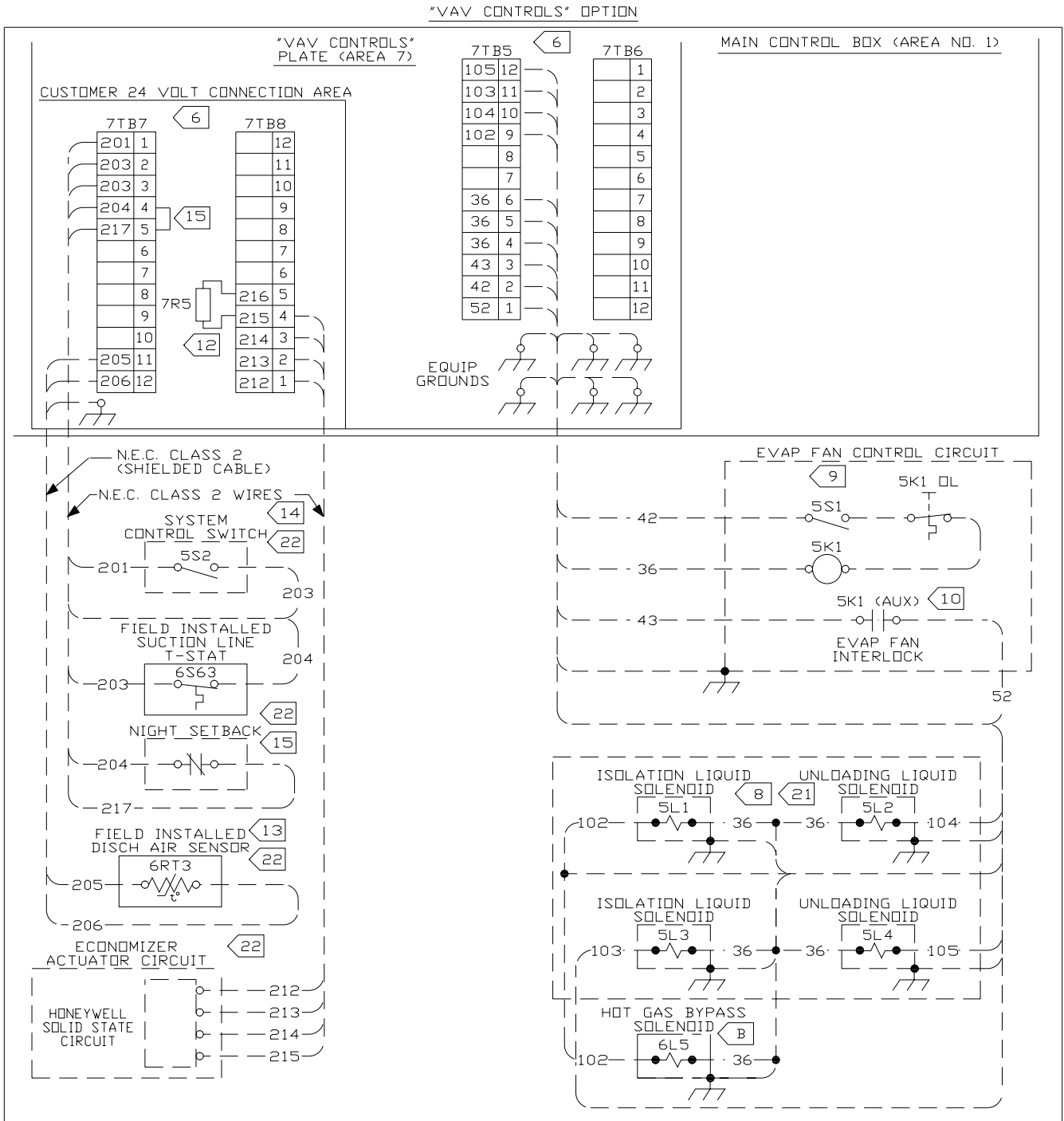
Figure 3
Typical Field Control Wiring Diagram for "Constant Volume" Application
 (Refer to the Wire Sizing Table & Notes on pages 4 & 5)



2307-5691

Figure 4

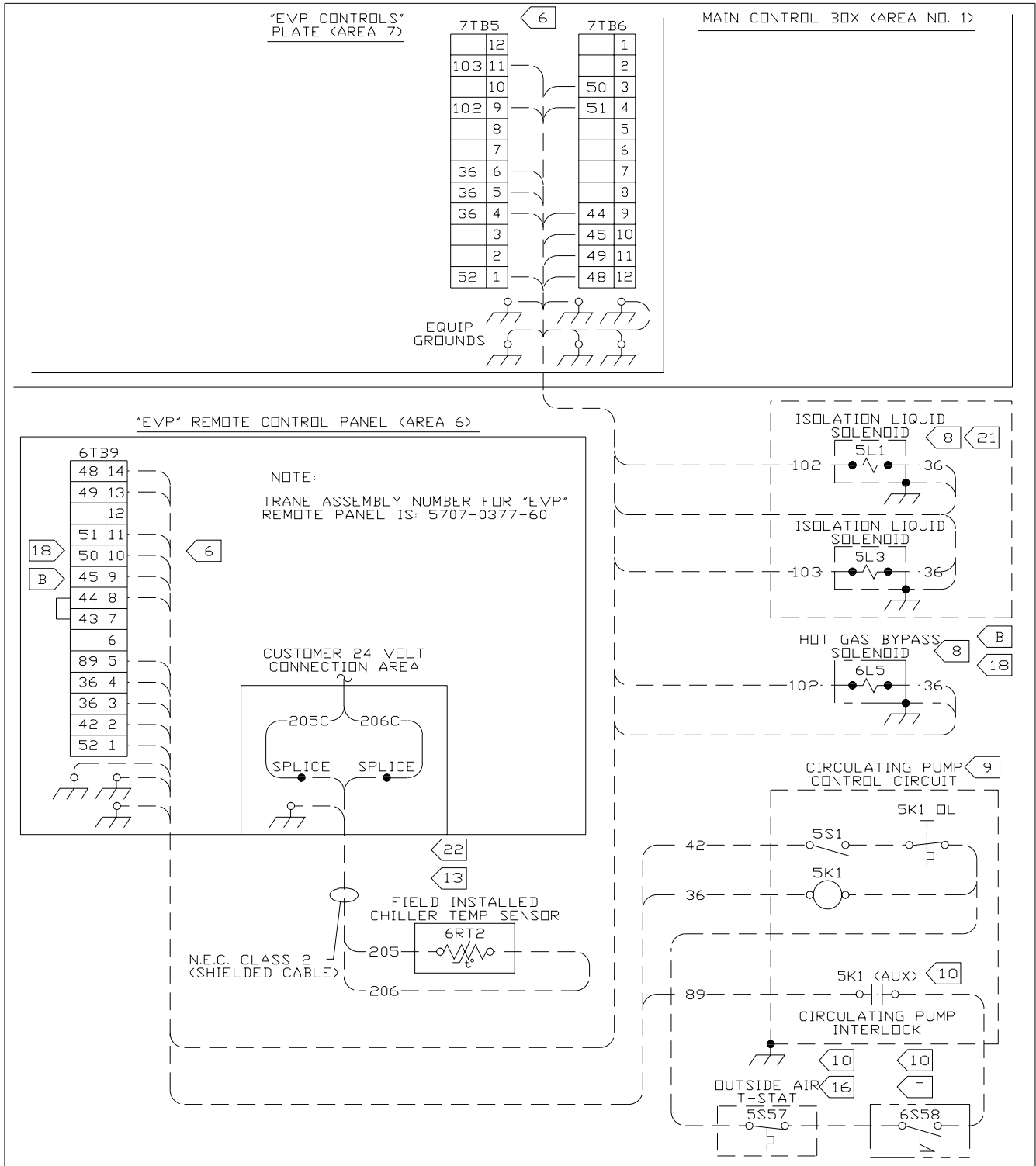
**Typical Field Control Wiring Diagram for "Variable Air Volume" Application
(Refer to the Wire Sizing Table & Notes on pages 4 & 5)**



2307-5691

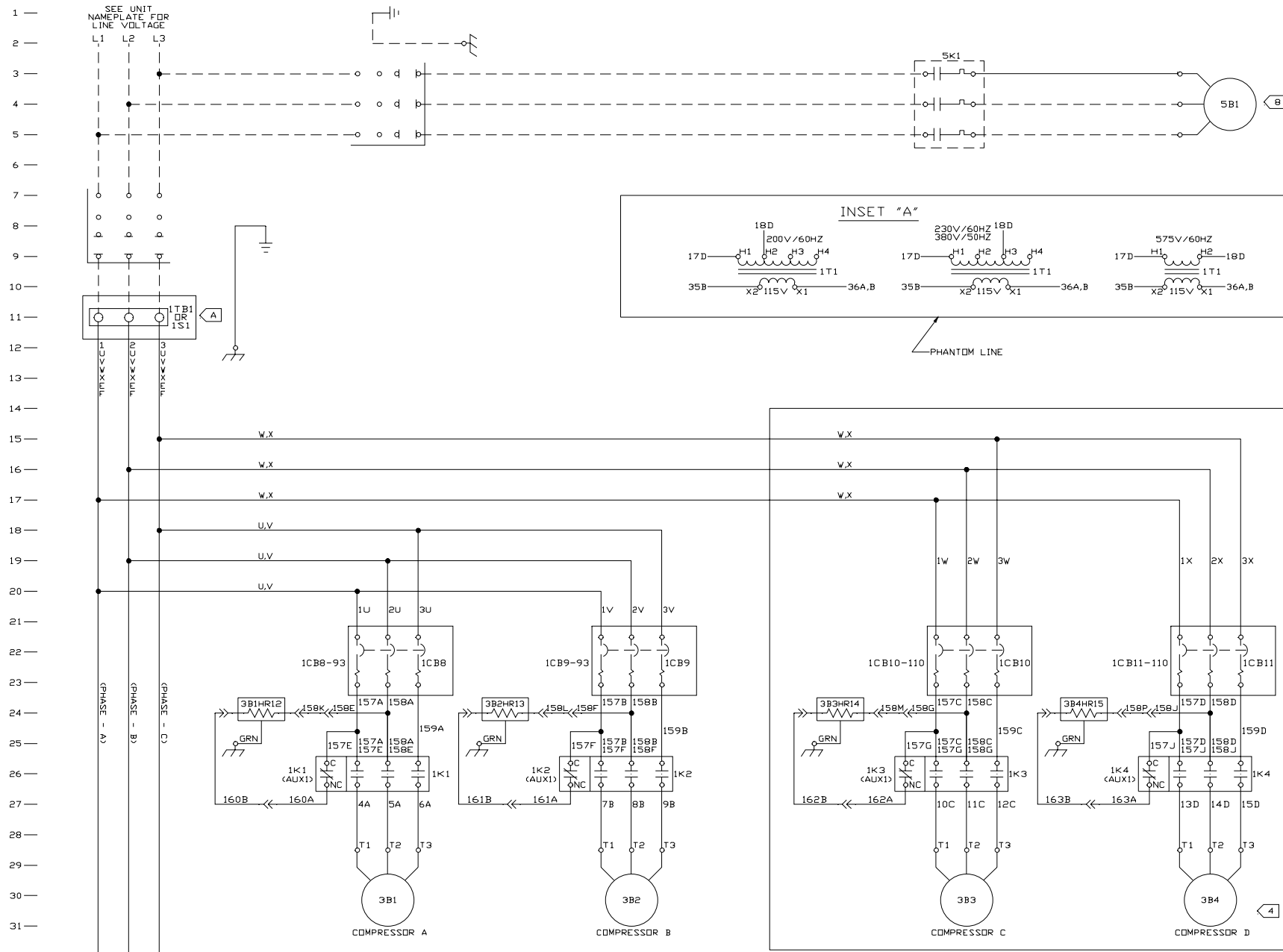
Figure 5
Typical Field Control Wiring Diagram for "EVP" Application
 (Refer to the Wire Sizing Table & Notes on pages 4 & 5)

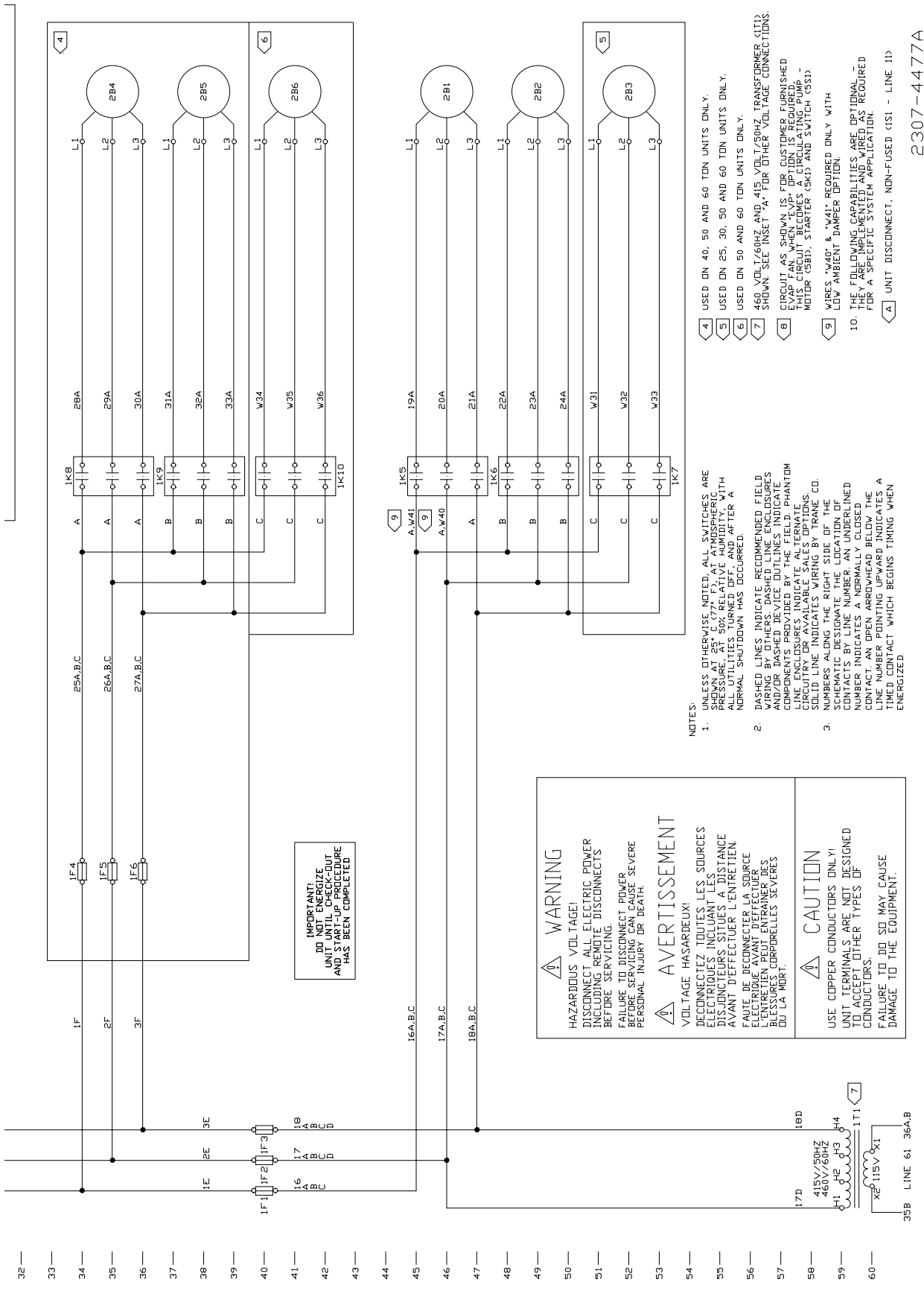
"EVP CONTROLS" OPTION



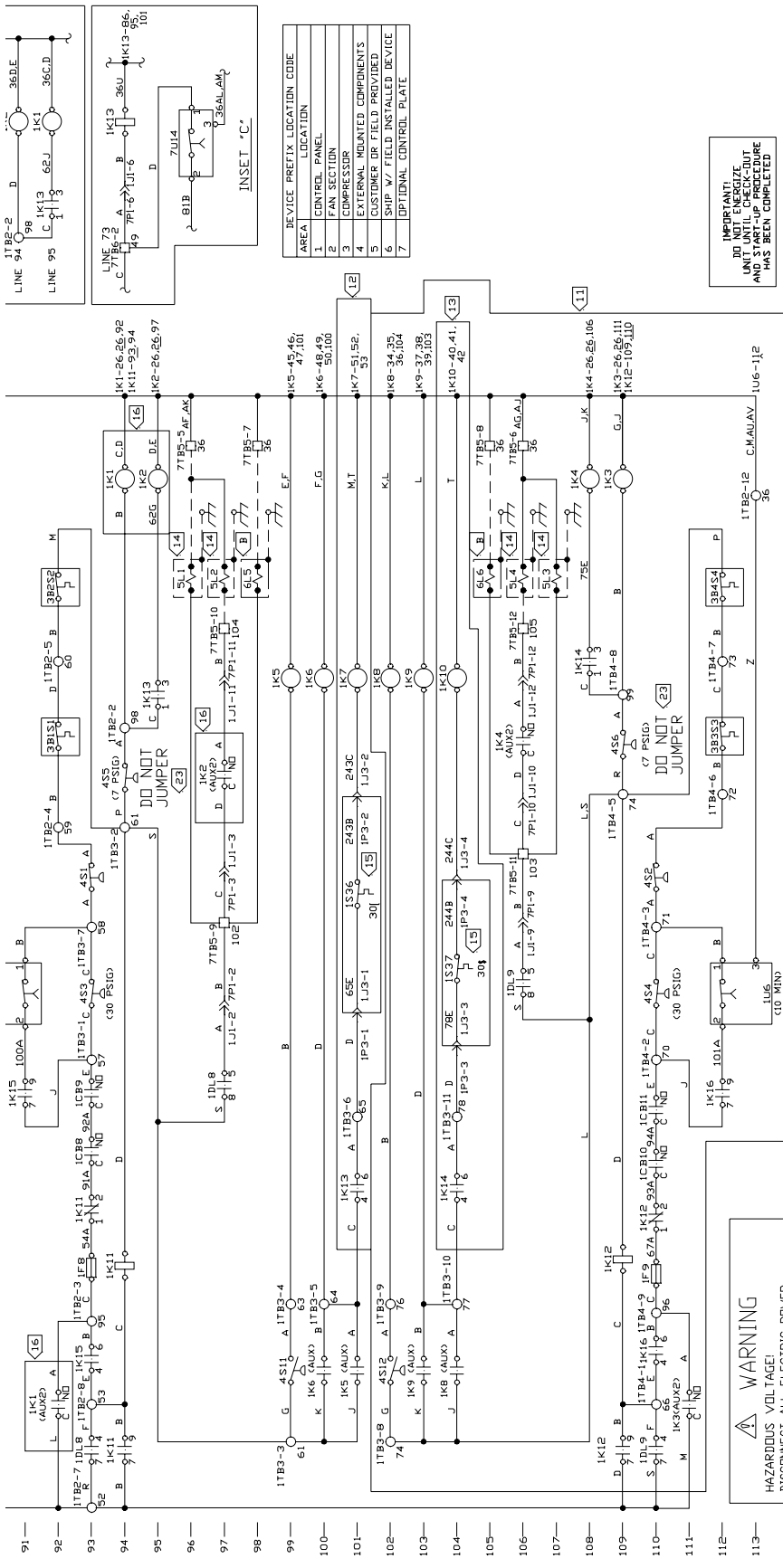
2307-5691

Figure 6
Typical Power Schematic Diagram for 20 through 60 Ton Units





2307-4477A



AREA	LOCATION	DEVICE PREFIX LOCATION CODE
1	CONTROL PANEL	
2	FAN SECTION	
3	COMPRESSOR	
4	EXTERNAL MOUNTED COMPONENTS	
5	CUSTOMER OR FIELD PROVIDED	
6	SHIP W/ FIELD INSTALLED DEVICE	
7	OPTIONAL CONTROL PLATE	

IMPORTANT!
DO NOT ENERGIZE
ANY ELECTRICAL
AND START-UP PROCEDURE
HAS BEEN COMPLETED

- NOTES:
- (1) USED ON 40, 50 AND 60 TON UNITS ONLY.
 - (2) USED ON 25, 30, 50 AND 60 TON UNITS ONLY.
 - (3) USED ON 30 AND 60 TON UNITS ONLY.
 - (4) ISOLATION LIQUID SOLENOID VALVES (SL1,SL3) PROVIDED FOR THE FIELD. IF APPLICABLE, ARE PROVIDED BY THE FIELD.
 - (5) ASSOCIATED WIRING AND LABELS MUST BE PROVIDED FOR THE FIELD. OPTION, CONNECT JACK LJS-2 TO PLUG IPS-1 AND JACK LJS-4 TO PLUG IPS-3.
 - (6) CONNECTIONS AS SHOWN TO COMPRESSOR CONTACTOR COILS EXCEPT 25 TON.
 - (7) SEE INSET 'C' FOR 20 THRU 30 TON CIRCUIT VARIATION.
- CONNECTION VARIATION TO COMPRESSOR FIXED ON TIMER (7UJ45) IS AS FOLLOWS:
20 - 30 TON UNITS -- USE WIRE NO. 4597(SEE INSET 'C')
30 - 60 TON UNITS -- USE WIRE NO. 4597(SEE INSET 'C')
SEE INSET 'C' FOR 20 THRU 30 TON CONNECTION.
19. THE FOLLOWING CAPABILITIES ARE OPTIONAL - THEY ARE IMPLEMENTED AND WIRED AS REQUIRED FOR A SPECIFIC APPLICATION:
(A) HOT GAS BYPASS VALVE (6L5 - LINE 98 105)
(B) 45S & 456 ARE COMPRESSOR PROTECTION SWITCHES USED FOR COMPRESSOR PROTECTION WHEN A NO REFRIGERANT FLOW SWITCH UNDER ANY CIRCUMSTANCE.

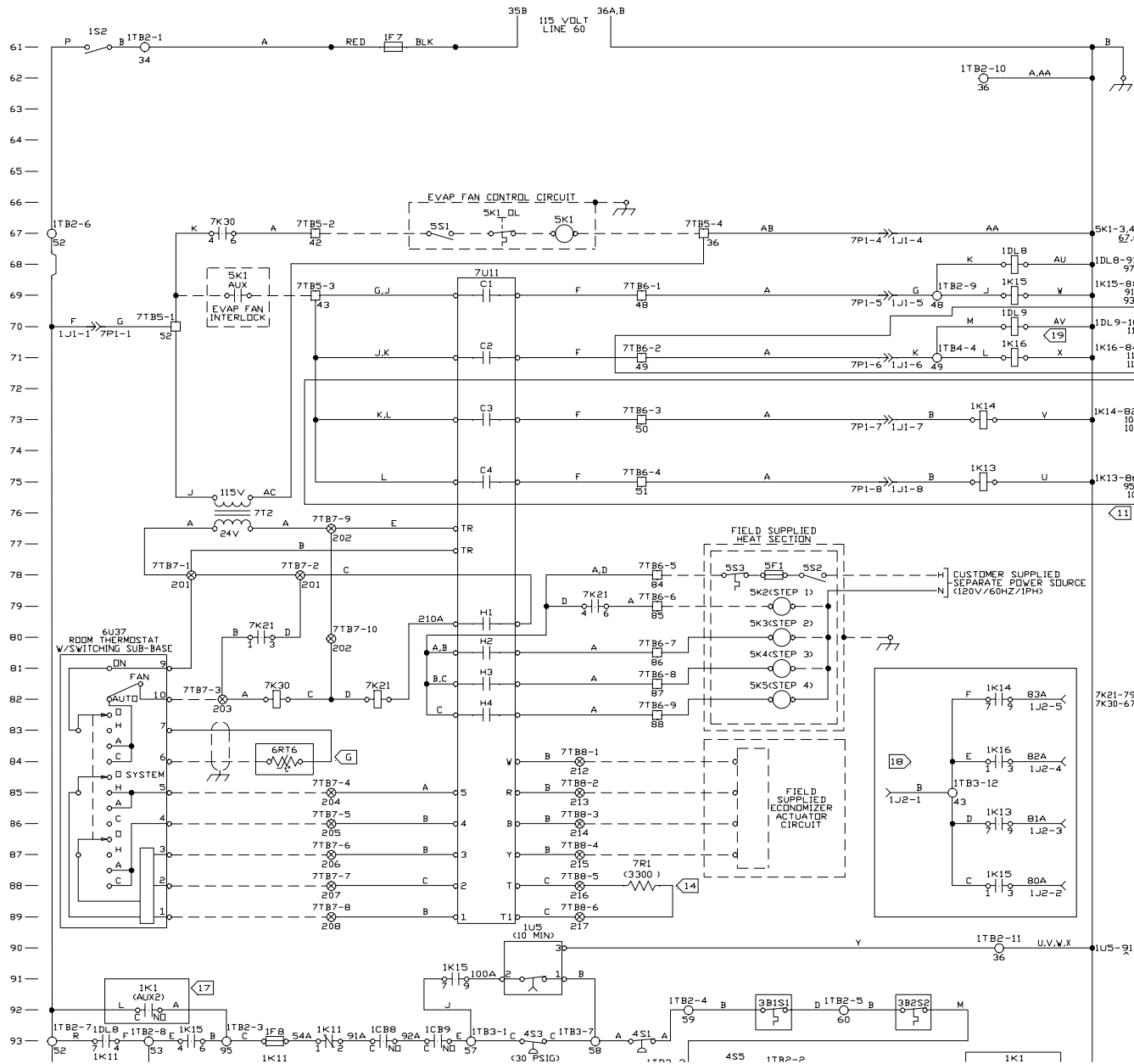
CAUTION
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.
FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

WARNING
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.
FAILURE TO DISCONNECT POWER BEFORE SERVICING CAUSE SEVERE PERSONAL INJURY OR DEATH.

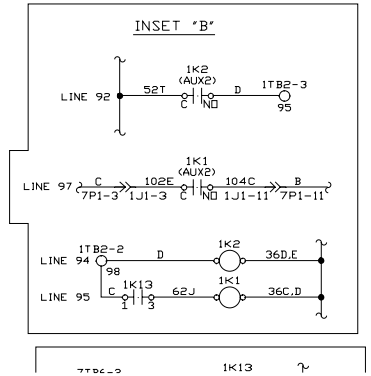
AVERTISSEMENT
VOLTAGE HASARDEUX!
DECONNECTEZ TOUTES LES SOURCES ELECTRIQUES INCLYANT LA DISTANCE AVANT DEFFECTUER L'ENTRETIEN ELECTRIQUE AVANT DEFFECTUER LES REPARATIONS.
L'EGALITE D'ENTREPRENDRE DES REPARATIONS NON AUTORISEES PEUT CAUSER LA MORT.

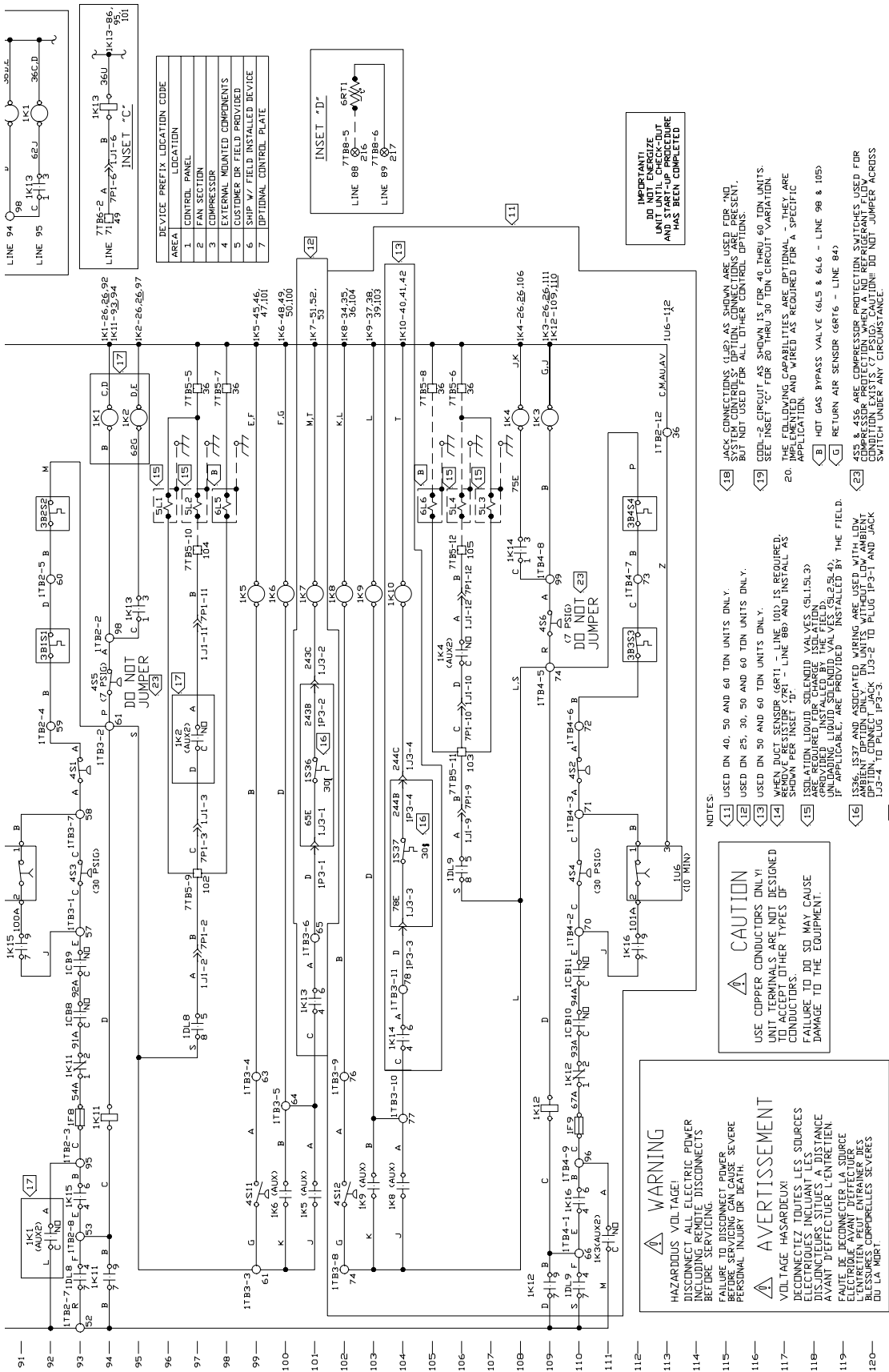
2307-4478B

Figure 8
Typical "Constant Volume" Schematic Diagram for 20 through 60 Ton Units



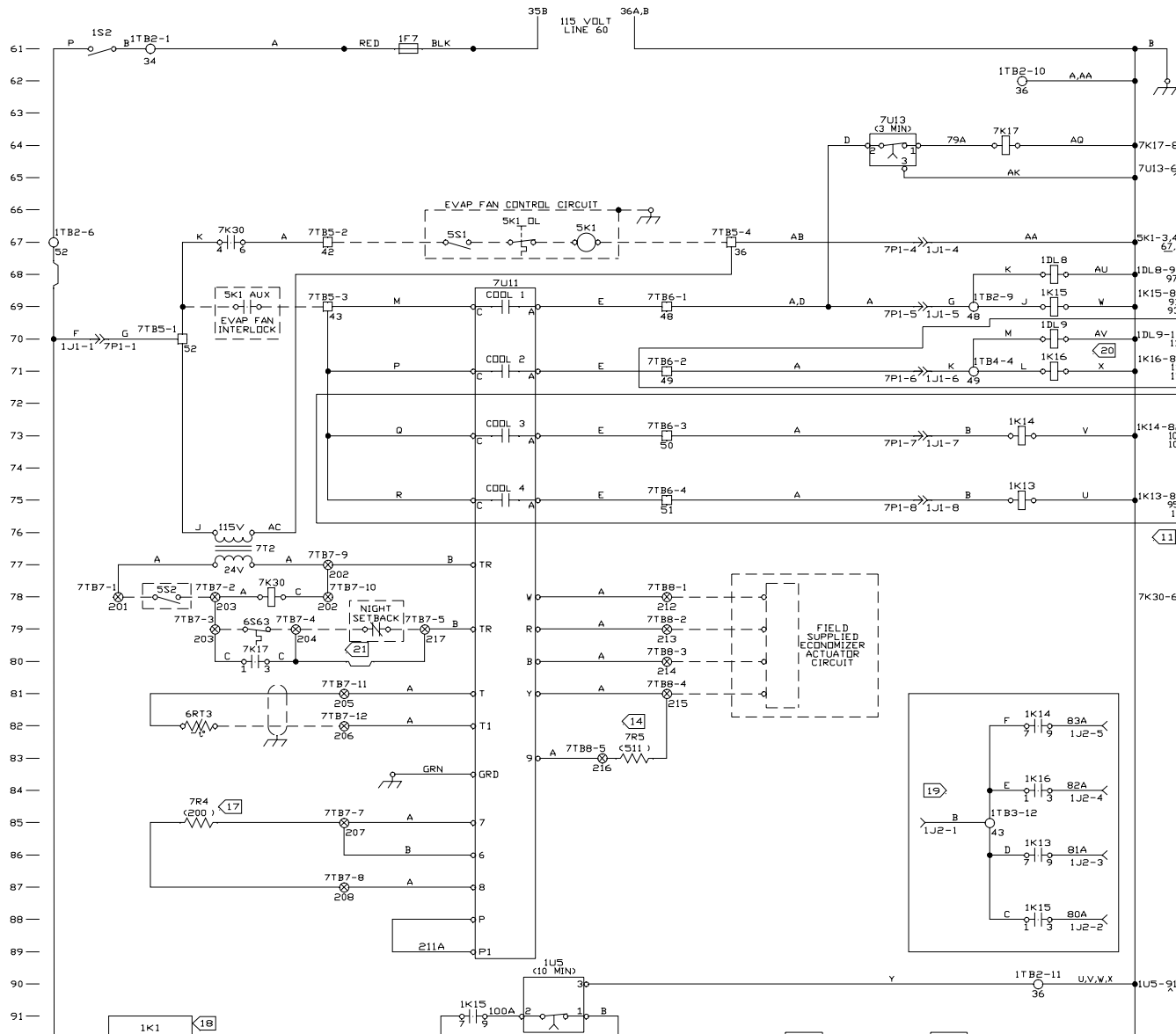
LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
1CB8-1CB1	COMP. CIRCUIT BREAKER	22
1DL8,1DL9	TIME DELAY RELAY	68,70
1F1 - 1F6	CONDENSER FAN FUSE	40,34-36
1F7	CONTROL CIRCUIT FUSE	61
1F8,1F9	COMP. PROTECTOR FUSE	93,110
1J1,1J2,1J3	JACK CONNECTOR	
1K1,1K2	COMPRESSOR CONTACTOR	94,95
1K3,1K4	COMPRESSOR CONTACTOR	109,108
1K5,1K6,1K7	CONDENSER FAN CONTACTOR	99,100,101
1K8,1K9,1K10	CONDENSER FAN CONTACTOR	102,103,104
1K11,1K12	RESET RELAY	94,109
1K13,1K14	COOLING RELAY	75,98,73
1K15,1K16	COOLING RELAY	69,71
1P3	PLUG CONNECTOR	
1S1	MANUAL DISCONNECT SWITCH	11
1S2	CONTROL CIRCUIT SWITCH	61
1S36,1S37	LOW AMBIENT T-STAT	101,104
1T1	CONTROL POWER TRANSFORMER	59
1TB1	POWER TERMINAL BLOCK	11
1TB2 - 1TB4	CONTROL TERMINAL BLOCK	
1U5,1U6	LOW PRESSURE TIMER	90,113
2B1 - 2B3	CONDENSER FAN MOTOR	46,49,52
2B4 - 2B6	CONDENSER FAN MOTOR	35,38,41
3B1 - 3B4	COMPRESSOR	30
3B1HR12,3B2HR13	COMP. CRANKCASE HEATER	24
3B3HR14,3B4HR15	COMP. CRANKCASE HEATER	24
3B1S1,3B2S2	COMP. WINDING THERMISTAT	92
3B3S3,3B4S4	COMP. WINDING THERMISTAT	112
4S1,4S2	HIGH PRESSURE CUTOFF	93,110
4S3,4S4	LOW PRESSURE CUTOFF	93,110
4S5,4S6	COMP. PROTECTION SWITCH	94,109
4S11,4S12	FAN PRESSURE CONTROL	99,102
5B1	EVAPORATOR FAN MOTOR	4
5F1	HEAT CKT CONTROL SWITCH	78
5K1	EVAP FAN STARTER	67
5K2 - 5K5	HEAT CONTACTOR	79 - 82
5L1,5L3	ISOLATION LIQUID SOLENOID	96,107
5L2,5L4	UNLOADING LIQUID SOLENOID	97,106
5S1	EVAP FAN CONTROL SWITCH	67
5S2	HEAT CKT CONTROL SWITCH	78
5S3	HEAT CKT LIMIT SWITCH	78
6L5,6L6	HOT GAS BYPASS SOLENOID	98,105
6RT1	DUCT SENSOR	101
6RT6	RETURN AIR SENSOR	84
6U37	ROOM THERMOSTAT	81
7K21	HEAT RELAY	82
7K30	EVAPORATOR FAN RELAY	82
7P1	PLUG CONNECTOR	
7R1	ECDN BIAS RESISTOR	88
7T2	24V CONTROL TRANSFORMER	76
7TB5 - 7TB8	CONTROL TERMINAL BLOCK	
7U11	MASTER ENERGY CONTROL	69



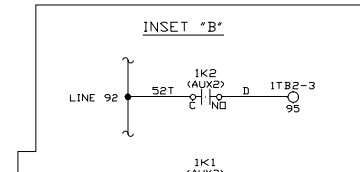


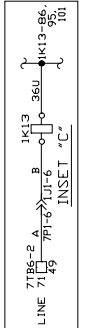
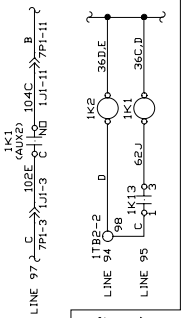
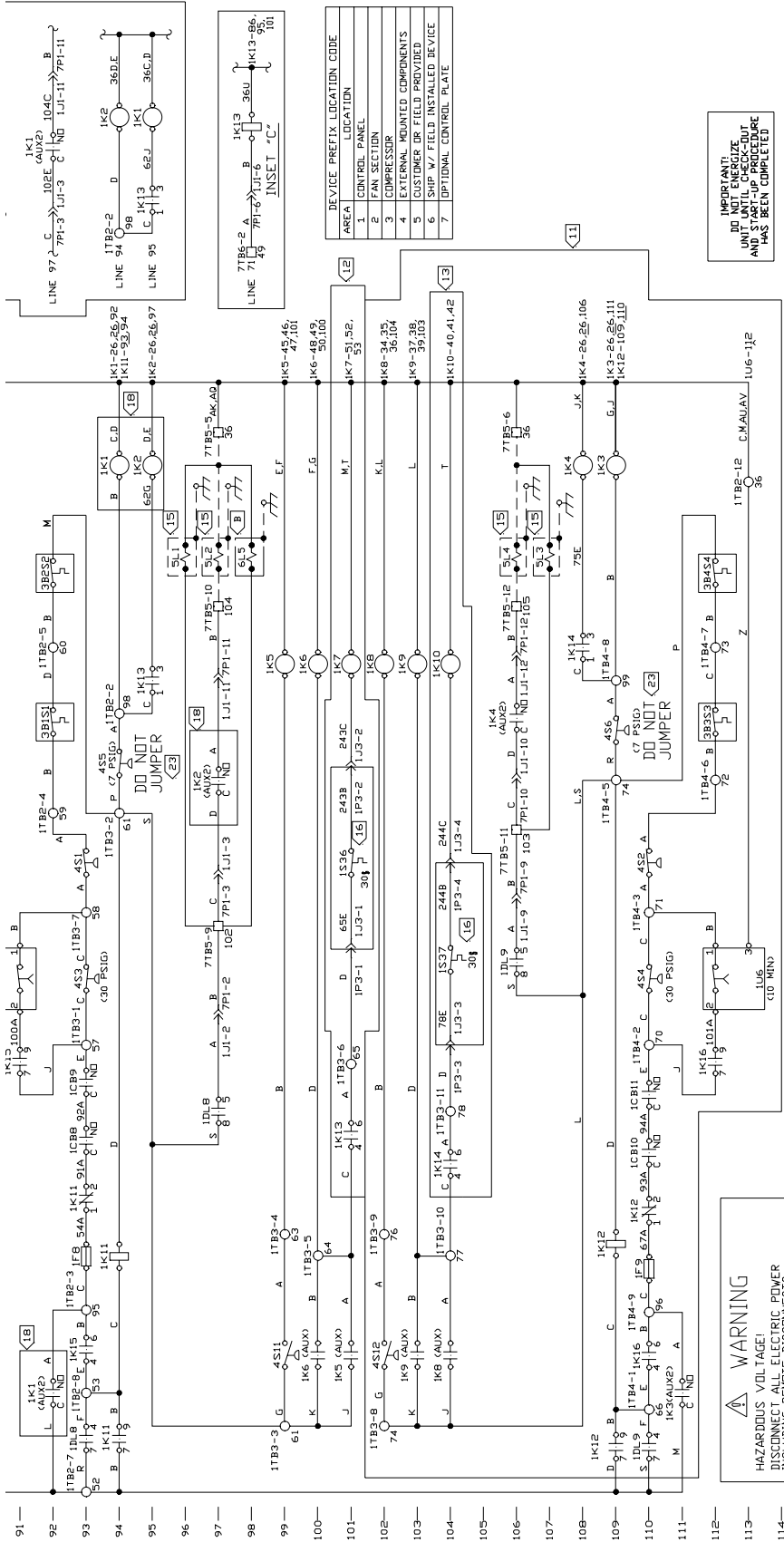
2307-4479B

Figure 9
Typical "Variable Air Volume" Schematic Diagram for 20 through 60 Ton Units



DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
1CBB-1CB11	CMPR CIRCUIT BREAKER	22
1DLB,1DL9	TIME DELAY RELAY	68,70
1F1 - 1F6	CONDENSER FAN FUSE	40,34-36
1F7	CONTRNL CIRCUIT FUSE	61
1FB,1F9	CMPR PROTECTOR FUSE	93,110
1J1,1J2,1J3	JACK CONNECTOR	
1K1,1K2	COMPRESSOR CONTACTOR	94,95
1K3,1K4	COMPRESSOR CONTACTOR	109,108
1K5,1K6,1K7	CONDENSER FAN CONTACTOR	99,100,101
1K8,1K9,1K10	CONDENSER FAN CONTACTOR	102,103,104
1K11,1K12	RESET RELAY	94,109
1K13,1K14	COOLING RELAY	75,98,73
1K15,1K16	COOLING RELAY	69,71
1P3	PLUG CONNECTOR	
1S1	MANUAL DISCONNECT SWITCH	11
1S2	CONTROL CIRCUIT SWITCH	61
1S36,1S37	LOW AMBIENT T-STAT	101,104
1T1	CONTROL POWER TRANSFORMER	59
1TB1	POWER TERMINAL BLOCK	11
1TB2 - 1TB4	CONTROL TERMINAL BLOCK	
1U5,1U6	LOW PRESSURE TIMER	90,113
2B1 - 2B3	CONDENSER FAN MOTOR	46,49,52
2B4 - 2B6	CONDENSER FAN MOTOR	35,38,41
3B1 - 3B4	COMPRESSOR	30
3B1HR12,3B2HR13	COMP CRANKCASE HEATER	24
3B3HR14,3B4HR15	COMP CRANKCASE HEATER	24
3B1S1,3B2S2	COMP WINDING THERMISTAT	92
3B3S3,3B4S4	COMP WINDING THERMISTAT	112
4S1,4S2	HIGH PRESSURE CUTOFF	93,110
4S3,4S4	LOW PRESSURE CUTOFF	93,110
4S5,4S6	COMP PROTECTION SWITCH	94,109
4S11,4S12	FAN PRESSURE CONTROL	99,102
5B1	EVAPORATOR FAN MOTOR	4
5K1	EVAP FAN STARTER	67
5L1,5L3	ISOLATION LIQUID SOLENOID	96,107
5L2,5L4	UNLOADING LIQUID SOLENOID	97,106
5S1	EVAP FAN CONTROL SWITCH	67
5S2	SYSTEM CONTROL SWITCH	78
6L5,6L6	HOT GAS BYPASS SOLENOID	98
6RT3	DISCHARGE AIR SENSOR	82
6S63	SUCTION LINE THERMISTAT	79
7K17	CMPR FIXED ON RELAY	64
7K30	EVAPORATOR FAN RELAY	78
7P1	PLUG CONNECTOR	
7R4	STAGE RESISTOR	85
7R5	LESS ECONMIZER RESISTOR	83
7T2	24V CONTROL TRANSFORMER	76
7TB5 - 7TB8	CONTROL TERMINAL BLOCK	
7U11	DISCH AIR CONTROLLER	69
7U13	CMPR FIXED ON TIMER	64





AREA	LOCATION
1	CONTROL PANEL
2	FAN SECTION
3	COMPRESSOR
4	EXTERNAL MOUNTED COMPONENTS
5	CUSTOMER DR FIELD PROVIDED
6	SHIP W/ FIELD INSTALLED DEVICE
7	OPTIONAL CONTROL PLATE

IMPORTANT!
DO NOT ENERGIZE UNIT AND START-UP PROCEDURE HAS BEEN COMPLETED

- NOTES:**
- (11) USED ON 40, 50 AND 60 TON UNITS ONLY.
 - (12) USED ON 25, 30, 50 AND 60 TON UNITS ONLY.
 - (13) USED ON 50 AND 60 TON UNITS ONLY.
 - (14) REMOVE RESISTOR (725 FROM 778-4 & 778-5 LINE B3) USED IN LOW VOLTAGE VALVES (REQUIRED).
 - (15) REMOVE RESISTOR (725 FROM 778-4 & 778-5 LINE B3) USED IN LOW VOLTAGE VALVES (REQUIRED).
 - (16) IS36.1537 AND ASSOCIATED WIRING ARE USED WITH LOW AMBIENT TEMPERATURE UNITS WITHOUT LOW AMBIENT RESISTOR (724 - 200) AS SHOWN IS FOR 20 THRU 30 TON CONNECTIONS AS SHOWN TO COMPRESSOR CONTACTOR COILS SEE INSET 'B' FOR 25 TON CONNECTIONS.
 - (17) RESISTOR (724 - 200) AS SHOWN IS FOR 20 THRU 30 TON CONNECTIONS AS SHOWN TO COMPRESSOR CONTACTOR COILS SEE INSET 'B' FOR 25 TON CONNECTIONS.
 - (18) CONNECTIONS AS SHOWN TO COMPRESSOR CONTACTOR COILS SEE INSET 'B' FOR 25 TON CONNECTIONS.
 - (19) JACK CONNECTIONS (1,11) AS SHOWN ARE USED FOR AND SYSTEM CONTROL. OPTION CONNECTIONS ARE PRESENT, BUT NOT USED FOR ALL OTHER CONTROL OPTIONS.
 - (20) COIL-2 CIRCUIT AS SHOWN IS FOR 40 THRU 60 TON UNITS. SEE INSET 'C' FOR 80 THRU 30 TON CIRCUIT VARIATION.
 - (21) FIELD TO REMOVE JUMPER (77187-4 & 5) AND PROVIDE A CONTACT CLOSURE WHEN NIGHT SETBACK IS REQUIRED. THE FOLLOWING CAPABILITIES ARE OPTIONAL - THEY ARE APPLICATION SPECIFIC.
 - (A) HOT GAS BYPASS VALVE (615 - LINE 98).
 - (B) 455 & 456 ARE COMPRESSOR PROTECTION SWITCHES USED FOR COMPRESSOR PROTECTION WHEN A NO. REFRIGERANT FLOW SWITCH UNDER ANY CIRCUMSTANCE.

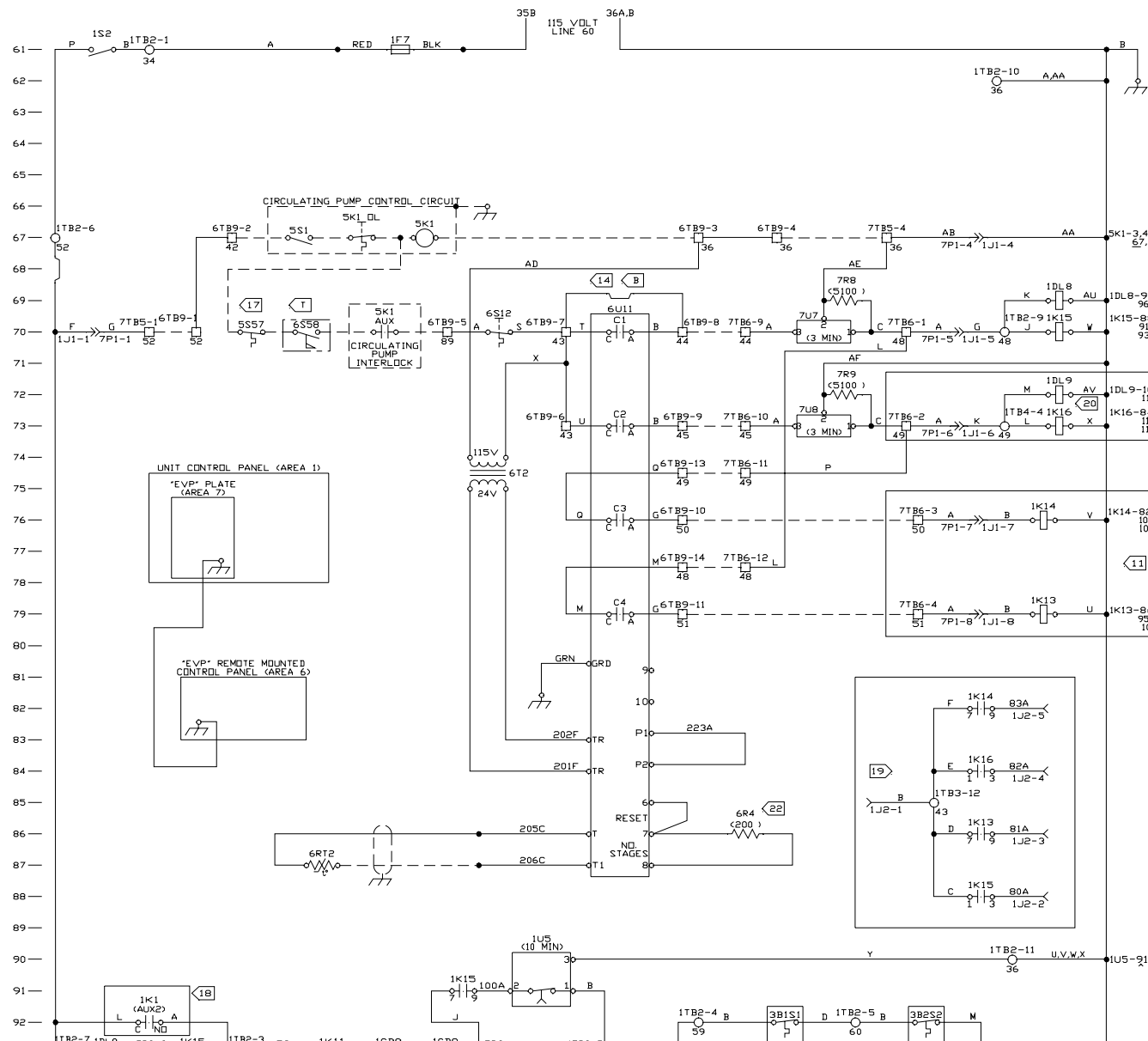
CAUTION
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.
FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

WARNING
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRICAL POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.
FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

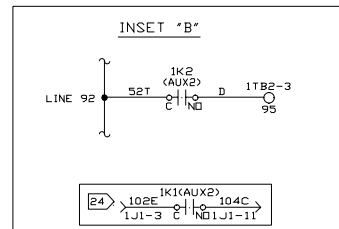
AVERTISSEMENT
VOLTAGE HASARDEUX!
DECONNECTEZ TOUTES LES SOURCES ELECTRIQUES INCLUANT LES DISJONCTEURS SITES A DISTANCE.
L'AVANCEMENT DE LA TIRETHERMIE PEUT DEVENIR UN DANGER ELECTRIQUE AVANT DE REFAIRE LES TRAVAUX.
L'ENTRETIEN PEUT ENTRAINER DES BLESSURES CORPORELLES SEVERES OU LA MORT.

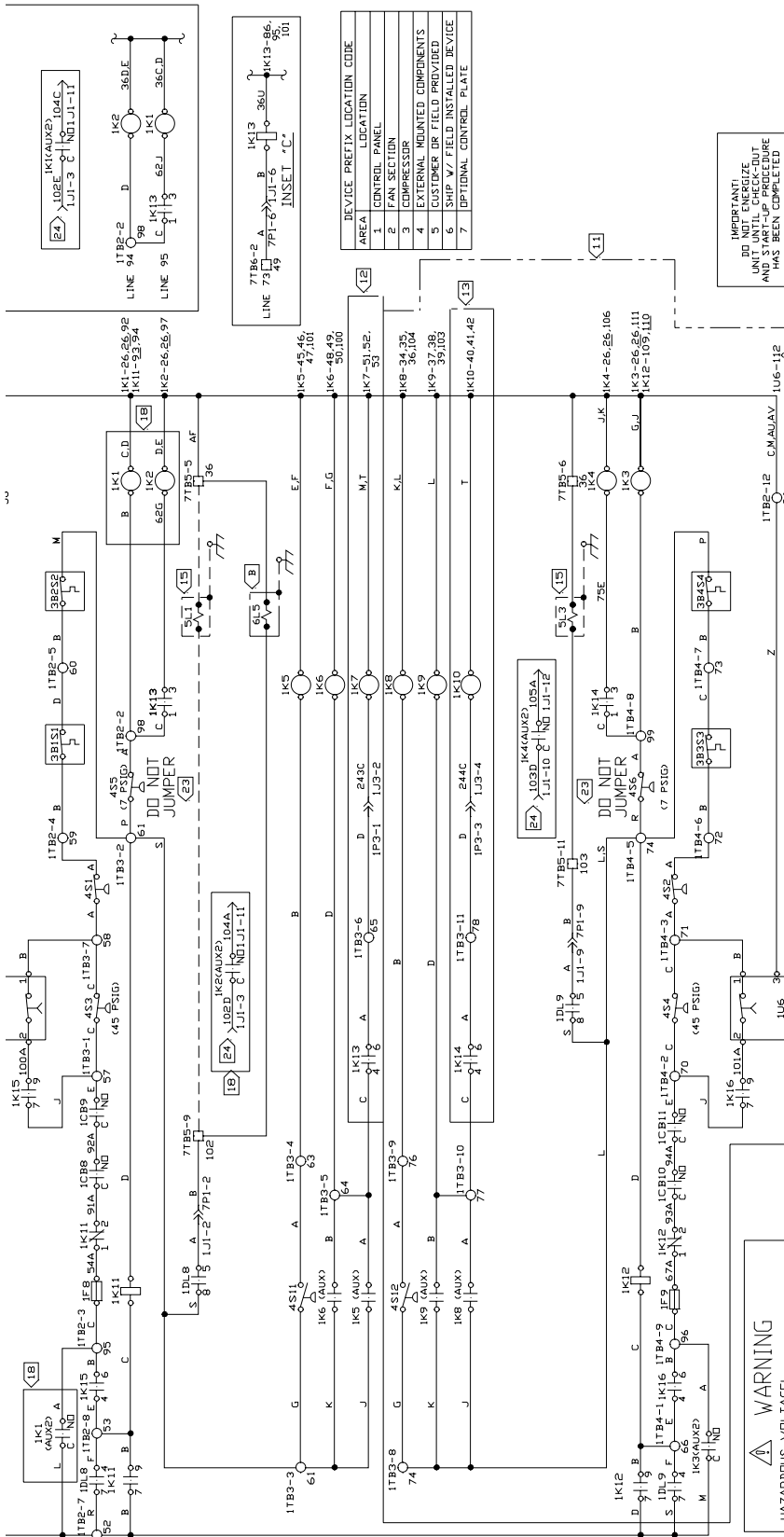
2307-4480B

Figure 10
Typical "EVP" Schematic Diagram for 20 through 60 Ton Units



LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
ICB8-ICB11	CMPCR CIRCUIT BREAKER	22
IDL8,IDL9	TIME DELAY RELAY	69,72
IF1 - IF6	CONDENSER FAN FUSE	40,34-36
IF7	CONTROL CIRCUIT FUSE	61
IF8,IF9	CMPCR PROTECTOR FUSE	93,110
1J1,1J2,1J3	JACK CONNECTOR	
1K1,1K2	COMPRESSOR CONTACTOR	94,95
1K3,1K4	COMPRESSOR CONTACTOR	109,108
1K5,1K6,1K7	CONDENSER FAN CONTACTOR	99,100,101
1K8,1K9,1K10	CONDENSER FAN CONTACTOR	102,103,104
1K11,1K12	RESET RELAY	94,109
1K13,1K14	COOLING RELAY	79,98,76
1K15,1K16	COOLING RELAY	70,73
IP3	PLUG CONNECTOR	
IS1	MANUAL DISCONNECT SWITCH	11
IS2	CONTROL CIRCUIT SWITCH	61
IT1	CONTROL POWER TRANSFORMER	59
ITB1	POWER TERMINAL BLOCK	11
ITB2 - ITB4	CONTROL TERMINAL BLOCK	
1J5,1J6	LOW PRESSURE TIMER	90,113
2B1 - 2B3	CONDENSER FAN MOTOR	46,49,52
2B4 - 2B6	CONDENSER FAN MOTOR	35,38,41
3B1 - 3B4	COMPRESSOR	30
3B1HR12,3B2HR13	CMPCR CRANKCASE HEATER	24
3B3HR14,3B4HR15	CMPCR CRANKCASE HEATER	24
3B1S1,3B2S2	CMPCR WINDING THERMOSTAT	92
3B3S3,3B4S4	CMPCR WINDING THERMOSTAT	111
4S1,4S2	HIGH PRESSURE CUTOFF	93,110
4S3,4S4	LOW PRESSURE CUTOFF	93,110
4S5,4S6	CMPCR PROTECTION SWITCH	94,109
4S11,4S12	FAN PRESSURE CONTROL	99,102
5B1	CIRCULATING PUMP MOTOR	4
5K1	CIRCULATING PUMP STARTER	67
5L1,5L3	ISOLATION LIQUID SOLENOID	96,107
5S1	SYSTEM ON/OFF SWITCH	67
5S57	OUTSIDE AIR THERMOSTAT	70
6L5	HOT GAS BYPASS SOLENOID	98
6R4	STAGE RESISTOR	86
6RT2	CHILLER TEMP SENSOR	87
6S12	FREZZESTAT	70
6S58	FLOW SWITCH	70
6T2	24V TRANSFORMER	74
6TB9	CONTROL TERMINAL BLOCK	70
6U11	CHILLER CONTROLLER	70
7P1	PLUG CONNECTOR	
7R8,7R9	LOAD RESISTOR	69,72
7TB5 & 7TB6	CONTROL TERMINAL BLOCK	
7U7,7U8	CMPCR FIXED OFF TIMER	70,73





AREA	LOCATION
1	CONTROL PANEL
2	FAN SECTION
3	COMPRESSOR
4	EXTERNAL MOUNTED COMPONENTS
5	CUSTOMER DR FIELD PROVIDED
6	SHIP W/ FIELD INSTALLED DEVICE
7	OPTIONAL CONTROL PLATE

IMPORTANT!
DO NOT ENERGIZE UNIT UNTIL CHECK-DURE HAS BEEN COMPLETED

- NOTES:**
- (E1) USED DN 40, 50 AND 60 TON UNITS ONLY.
 - (E2) USED DN 25, 30, 50 AND 60 TON UNITS ONLY.
 - (E3) INSTALL JUMPER (6T99-7 & 6T99-8 - LINE 70) WHEN HOT GAS BYPASS OPTION 'B' IS REQUIRED.
 - (E4) ISOLATION LIQUID SOLENOID VALVES (6L15L3) OPERATED BY THE FIELD.
 - (N1) PURGE AIR THERMOSTAT (6S57) LINE 70 IS REQUIRED FOR LOW AMBIENT COMPRESSOR LOAD-UP.
 - (N2) CONNECTIONS AS SHOWN TO COMPRESSOR CONTACTOR BILLS SEE INSET 'B' FOR 25 TON CONNECTIONS.
 - (N3) JACK CONNECTIONS (6L12) AS SHOWN ARE USED FOR NO SYSTEM CONTROLS. OPTIONAL CONNECTIONS ARE PRESENT, BUT NOT USED FOR ALL OTHER CONTROL OPTIONS.

- NOTES:**
- (N4) COOL-2 CIRCUIT AS SHOWN IS FOR 40 THRU 60 TON UNITS. SEE INSET 'C' FOR 20 THRU 30 TON CIRCUIT VARIATION. THE FOLLOWING CAPABILITIES ARE OPTIONAL - THEY ARE IMPLEMENTED AND WIRED AS REQUIRED FOR A SPECIFIC APPLICATION.
 - (N5) HOT GAS BYPASS VALVE (6L15 - LINE 99)
 - (N6) FLOW SWITCH (6S58 - LINE 70)
 - (N7) RESISTOR (6684 - 200 Ω AS SHOWN IS FOR 20 THRU 30 TON UNITS RESISTOR IS 402 Ω FOR 40 THRU 60 TON UNITS)
 - (N8) 4S5 & 4S6 ARE COMPRESSOR PROTECTION SWITCHES USED FOR CONDITION EXIST (7T910). CAUTION! DO NOT JUMPER ACROSS SWITCH UNDER ANY CIRCUMSTANCE.
 - (N9) JACK CONNECTIONS (6L11, 6L12, 6L13 & 6L14) AS SHOWN VARIABLE AIR VOLUME CONTROL OPTIONS CONNECTIONS ARE PRESENT, BUT NOT USED FOR THE 'EVP' CONTROL OPTION.

CAUTION

USE COPPER CONDUCTORS ONLY. ALL TERMINALS ARE PRE-DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

WARNING

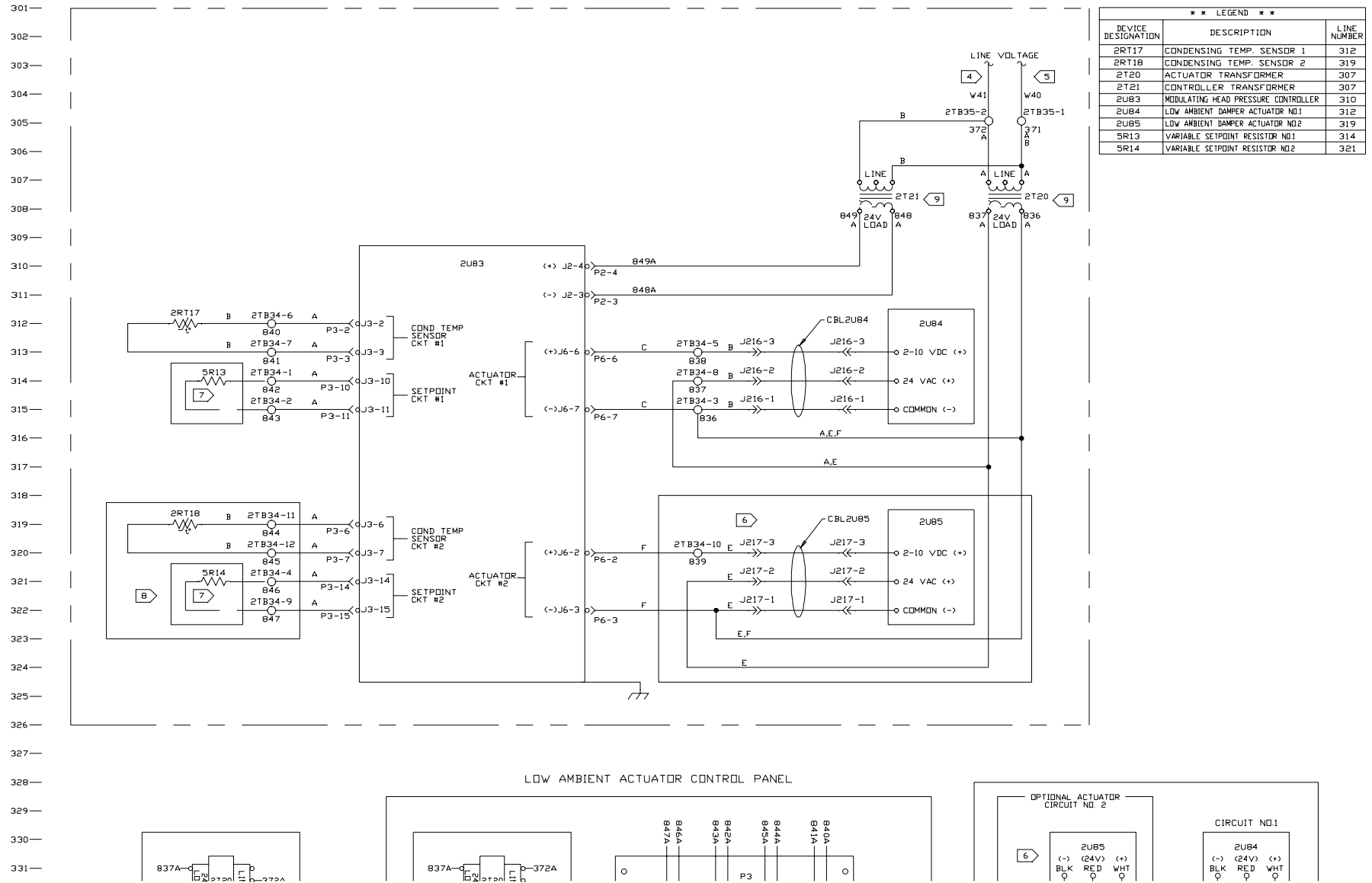
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER BEFORE SERVICING. DISCONNECT BEFORE SERVICING. DISCONNECT BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

AVERTISSEMENT

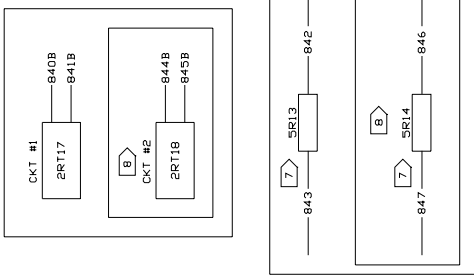
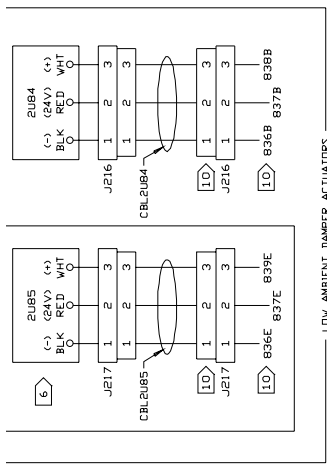
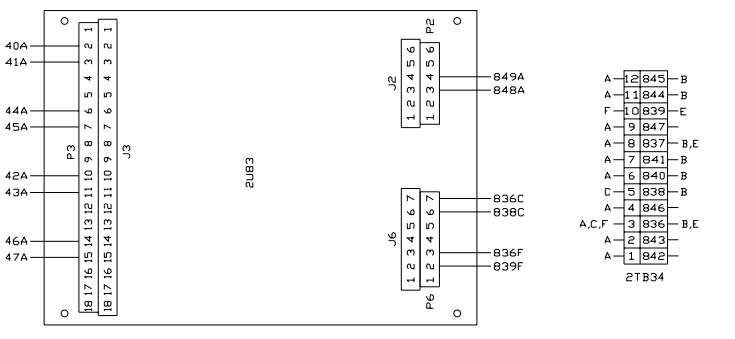
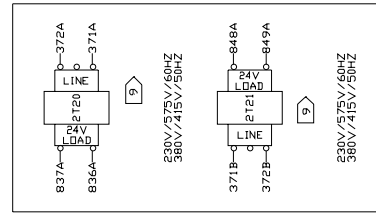
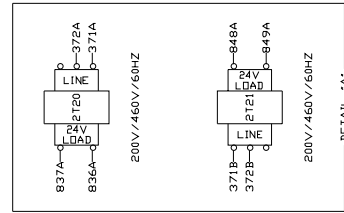
VOLTAGE HASARDEUX!
DECONNECTEZ TOUTES LES SOURCES ELECTRIQUES INCLUANT LES DISJONCTEURS SITUES A DISTANCE AVANT D'EFFECTUER L'ENTRETIEN. FAUTE DE DECONNECTER LA SOURCE D'ENTRETIEN PEUT ENTRAINER DES BLESSURES CORPORELLES SEVERES OU LA MORT.

Figure 11
Typical Low Ambient Control and Connection Diagram for 20 through 60 Ton Units

20



330 —
 331 —
 332 —
 333 —
 334 —
 335 —
 336 —
 337 —
 338 —
 339 —
 340 —
 341 —
 342 —
 343 —
 344 —
 345 —
 346 —
 347 —
 348 —
 349 —
 350 —
 251 —
 352 —
 353 —
 354 —
 355 —
 356 —
 357 —
 358 —
 359 —
 360 —



AREA	LOCATION	DEVICE PREFIX	LOCATION CODE
1	INSIDE UNIT CONTROL BOX	W41.A-B	2 372
2	CONDENSER SECTION	W40.A-B	3 371
3	AIR HANDLER SECTION		
4	HEATING SECTION		
5	EXTERNAL FIELD MTD DEVICE		

⚠ WARNING
 HAZARDOUS VOLTAGE!
 DISCONNECT ALL ELECTRIC POWER
 BEFORE SERVICING.
 FAILURE TO DISCONNECT POWER
 BEFORE SERVICING CAN CAUSE SEVERE
 PERSONAL INJURY OR DEATH.

⚠ AVERTISSEMENT
 VOLTAGE HASARDEUX!
 DECONNECTEZ TOUTES LES SOURCES
 ELECTRIQUES INCLANT LES
 DISJONCTEURS SITUES A DISTANCE
 AVANT D'EFFECTUER L'ENTRETIEN.
 FAUTE DE DECONNECTER LA SOURCE
 ELECTRIQUE AVANT D'EFFECTUER
 LES REPARATIONS PEUT CAUSER DE
 BLESSURES CORPORELLES SEVERES
 OU LA MORT.

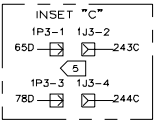
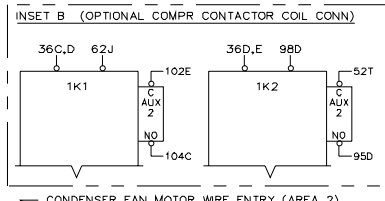
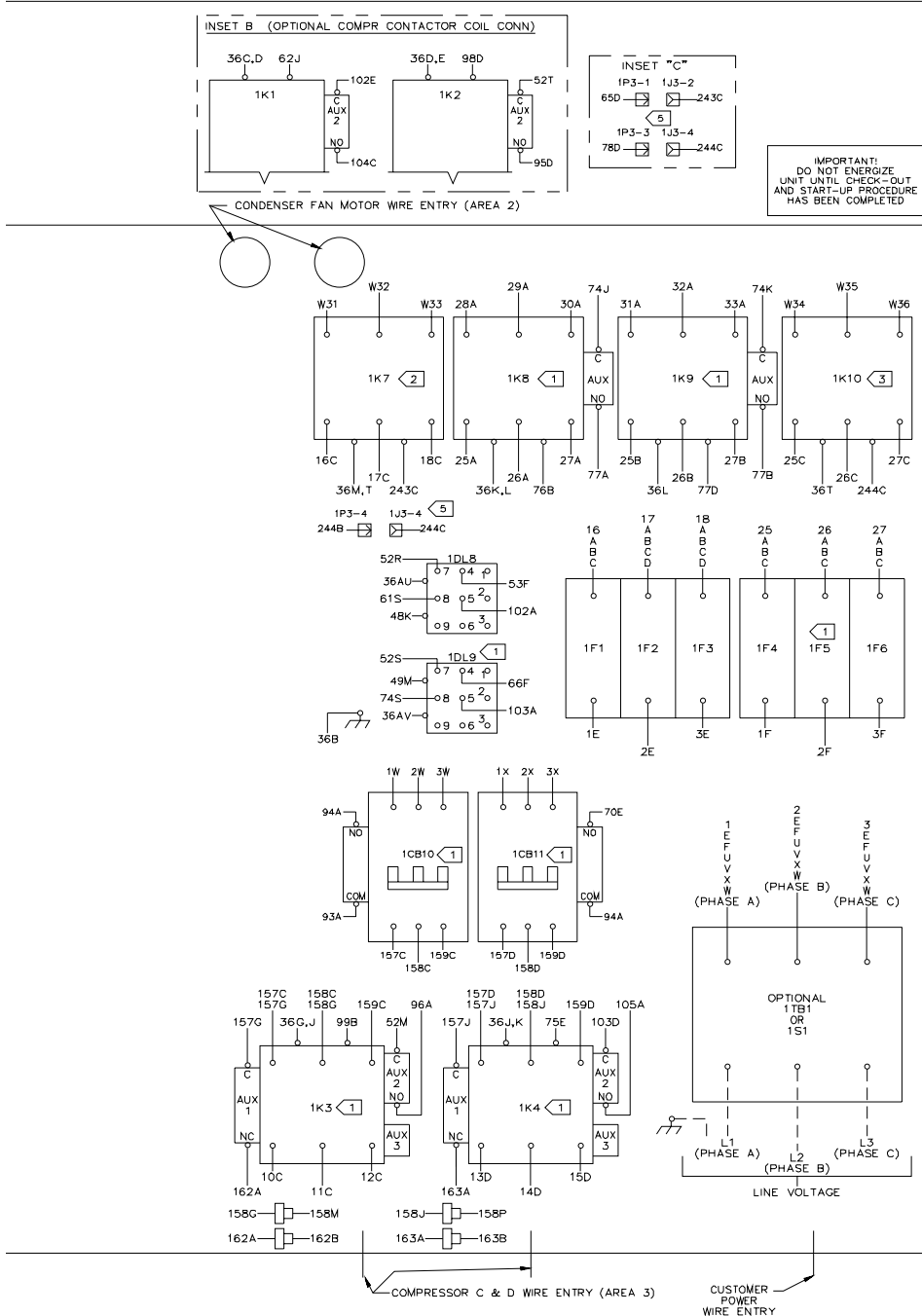
⚠ CAUTION
 USE COPPER CONDUCTORS ONLY!
 UNIT TERMINALS ARE NOT DESIGNED
 TO ACCEPT OTHER TYPES OF
 CONDUCTORS.
 FAILURE TO DO SO MAY CAUSE
 DAMAGE TO THE EQUIPMENT.

- NOTES:
- UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25°C (77°F) AT AN ATMOSPHERIC WITH ALL UTILITIES TURNED OFF AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
 - DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSEURES COMPANIES PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSEURES INDICATE ALTERNATE LOCATIONS FOR FIELD WIRING. DASHED LINES INDICATE WIRING BY TRANS CO.
 - NUMBERS ALONG THE RIGHT SIDE OF THE CONTACTS INDICATE THE LINE NUMBER. UNDERLINED CONTACTS BY LINE NUMBER, AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT. A NUMBER IN A SQUARE INDICATES A TIMED CONTACT WHICH BEGINS TIMING WHEN ENERGIZED.
- CONNECT LINE VOLTAGE WIRE W41 FROM 2TB35-2 IN THE MAIN CONTROL BOX (AREA 1).
 - CONNECT LINE VOLTAGE WIRE W40 FROM 2TB35-1 IN THE MAIN CONTROL BOX (AREA 1).
 - LOW AMBIENT ACTUATOR NO.2 (2UB5) AND ASSOCIATED CABLE Wires REQUIRED FOR 40-130 TON UNITS ONLY.
 - REFER TO TABLE 'B' FOR RESISTOR SET POINTS
 - CONDENSING SENSOR NO.2 (2RT18), SET POINT RESISTOR NO.2 (844B) AND ASSOCIATED Wires REQUIRED FOR 40-130 TON UNITS ONLY.
 - 230V/60HZ, 380V/50HZ, 415V/50HZ OR 575V/60HZ TRANSFORMERS SHOWN, SEE DETAIL 'A' FOR 200V/60HZ OR 460V/60HZ CONNECTIONS.
 - JACK/PLUG CONNECTORS & ASSOCIATED WIRES SHOWN ARE LOCATED IN THE LOW AMBIENT ACTUATOR CONTROL PANEL.

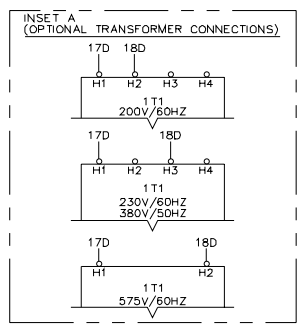
TABLE "B"

RESISTOR SET POINTS	RESISTANCE
80*	1.87K Ω
85*	2.74K Ω
90*	3.74K Ω
95*	4.87K Ω
100*	6.34K Ω
105*	OPEN
110*	10.0K Ω
115*	12.7K Ω
120*	16.2K Ω
125*	20.5K Ω
130*	26.7K Ω
135*	36.5K Ω
140*	53.6K Ω

2307-3900C



IMPORTANT!
DO NOT ENERGIZE UNIT UNTIL CHECK-OUT AND START-UP PROCEDURE HAS BEEN COMPLETED



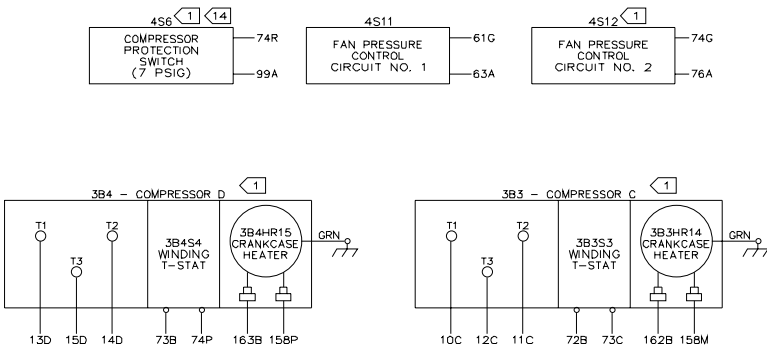
⚠ WARNING
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.
FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

⚠ AVERTISSEMENT
VOLTAGE HASARDEUX!
DECONNECTEZ TOUTES LES SOURCES ELECTRIQUES INCLUANT LES DISJONCTEURS SITUES A DISTANCE AVANT D'EFFECTUER L'ENTRETIEN.
FAUTE DE DECONNECTER LA SOURCE ELECTRIQUE AVANT D'EFFECTUER L'ENTRETIEN PEUT ENTRAINDER DES BLESSURES CORPORELLES SEVERES OU LA MORT.

⚠ CAUTION
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.
FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

NOTE:

- 1 1CB10, 1CB11, 1DL9, 1F4, 1F5, 1F6, 1F9, 1K3, 1K4, 1K8, 1K9, 1K12, 1K14, 1K16, 1TB4, 1U6, 2B4, 2B5, 3B3, 3B4, 3B3HR14, 3B4HR15, 3B3S3, 3B4S4, 4S2, 4S4, 4S6, 4S12 AND ASSOCIATED WIRING ARE USED ON 40 THRU 60 TON UNITS ONLY.
- 2 1K7, 2B3, 1S36 AND ASSOCIATED WIRING ARE USED ON 25, 30, 50 AND 60 TON UNITS ONLY.
- 3 1K10, 2B6, 1S37 AND ASSOCIATED WIRING ARE USED ON 50 AND 60 TON UNITS ONLY.
- 4 TRANSFORMER (1T1) PRIMARY (LINE) CONN. AS SHOWN IS FOR 460V/60HZ AND 415V/50HZ. SEE INSET "A" FOR OTHER VOLTAGE CONNECTIONS.
- 5 1S36, 1S37 AND ASSOCIATED WIRING ARE USED WITH LOW AMBIENT OPTION ONLY. ON UNITS WITHOUT LOW AMBIENT OPTION AND ALL EVP UNITS CONNECT JACK 1J3-2 TO PLUG 1P3-1 AND JACK 1J3-4 TO PLUG 1P3-3. SEE INSET "C".
- 6 OPTIONAL PLATE AS SHOWN IS FOR "NO SYSTEM CONTROLS" SEE OPTIONAL CONTROL PLATE DIAGRAM FOR OTHER VARIATIONS.
- 7 7R10, 7R11, 7U9, 7U10, 7U15, 7U16 AND ASSOCIATED WIRING ARE USED WITH 40 THRU 60 TON UNITS ONLY.
- 8 ON "EVP" CONTROL UNITS, LOW PRESSURE CUTOFFS (4S3 & 4S4) OPEN AT 45 PSIG, ON ALL OTHER UNITS, SWITCHES OPEN AT 30 PSIG.
- 9 CONNECTIONS AS SHOWN TO COMPRESSOR CONTACTOR (1K1 & 1K2) COILS ARE FOR ALL UNITS EXCEPT 25 TON. SEE INSET "B" FOR 25 TON CONNECTIONS.
- 10 COIL CONNECTION VARIATION TO COOLING RELAY (1K13) IS AS FOLLOWS:
20 - 30 TON UNITS -- USE WIRE NO. "49B"
40 - 60 TON UNITS -- USE WIRE NO. "51B"
- 11 CONNECTION VARIATION TO JACK CONNECTOR (1J1-6) IS AS FOLLOWS:
20 - 30 TON UNITS -- USE WIRE NO. "49B"
40 - 60 TON UNITS -- USE WIRE NO. "49K"
(1J1-5) IS AS FOLLOWS:
20, 30, 40, 50, 60 TON UNITS -- USE WIRE NO. "102D"
25 TON UNITS -- USE WIRE NO. "102E"
(1J1-11) IS AS FOLLOWS:
20, 30, 40, 50, 60 TON UNITS -- USE WIRE NO. "104A"
25 TON UNITS -- USE WIRE NO. "104C"
- 12 WIRES "W40" & "W41" REQUIRED ONLY WITH LOW AMBIENT DAMPER OPTION.
- 13 CONNECTION VARIATION TO COMPRESSOR FIXED ON TIMER (7U14) IS AS FOLLOWS:
20 - 30 TON UNITS -- USE WIRE NO. "49D"
40 - 60 TON UNITS -- USE WIRE NO. "51D"
- 14 4S5 & 4S6 ARE COMPRESSOR PROTECTION SWITCHES USED FOR COMPRESSOR PROTECTION WHEN A NO REFRIGERANT FLOW CONDITION EXISTS (7 PSIG). CAUTION! DO NOT JUMPER ACROSS SWITCH UNDER ANY CIRCUMSTANCE.
- 15 CONNECTION VARIATION TO COOLING RELAY 1K13(3) IS AS FOLLOWS:
20, 30, 40, 50, 60 TON UNITS -- USE WIRE NO. "62C"
25 TON UNITS -- USE WIRE NO. "62J"



Typical Connections Diagram Notes

Use with Figures 13, 14 & 15

NOTE:

- 1 CONSTANT VOLUME ONLY - WHEN CUSTOMER INSTALLED DUCT SENSOR (6RT1 - SEE FIELD DIAGRAM) IS REQUIRED, REMOVE RESISTOR (7R1 - 7TB8-5 & 6) AND INSTALL PER FIELD WIRING DIAGRAM.
- 2 VARIABLE AIR VOLUME ONLY - REMOVE RESISTOR (7R5 FROM 7TB8-4 & 7TB8-5) WHEN FIELD SUPPLIED ECONOMIZER IS REQUIRED.
- 3 VARIABLE AIR VOLUME ONLY - RESISTOR (7R4 - 200) AS SHOWN IS FOR 20 THRU 30 TON UNITS. RESISTOR IS 402 ON 40 THRU 60 TON UNITS.
- 4 "EVP" ONLY - SEE "EVP" CONTROL PANEL DIAGRAM FOR INTERCONNECTION BETWEEN UNIT CONTROL PANEL (AREA 1) WITH "EVP" PLATE (AREA 7) INSTALLED AND "EVP" CONTROL PANEL (AREA 6 - CUSTOMER INSTALLED).
- 5 "EVP" ONLY - WIRES "50A", "51A" & "103B" ARE REQUIRED FOR 40, 50 & 60 TON UNITS ONLY. WIRES ARE PRESENT ON EVP ADDER PLATE FOR 20 THRU 30 TON UNITS BUT NOT USED.
6. VARIABLE AIR VOLUME ONLY - REMOVE FACTORY INSTALLED RESISTOR (7R4 - 600) FROM 7U11 ON ALL 20 THRU 60 TON UNITS.

IMPORTANT!
DO NOT ENERGIZE
UNIT UNTIL CHECK-OUT
AND START-UP PROCEDURE
HAS BEEN COMPLETED



WARNING

HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER
INCLUDING REMOTE DISCONNECTS
BEFORE SERVICING.
FAILURE TO DISCONNECT POWER
BEFORE SERVICING CAN CAUSE SEVERE
PERSONAL INJURY OR DEATH.



AVERTISSEMENT

VOLTAGE HASARDEUX!
DECONNECTEZ TOUTES LES SOURCES
ELECTRIQUES INCLUANT LES
DISJONCTEURS SITES A DISTANCE
AVANT D'EFFECTUER L'ENTRETIEN.
FAUTE DE DECONNECTER LA SOURCE
ELECTRIQUE AVANT D'EFFECTUER
L'ENTRETIEN PEUT ENTRAINER DES
BLESSURES CORPORELLES SEVERES
OU LA MORT.



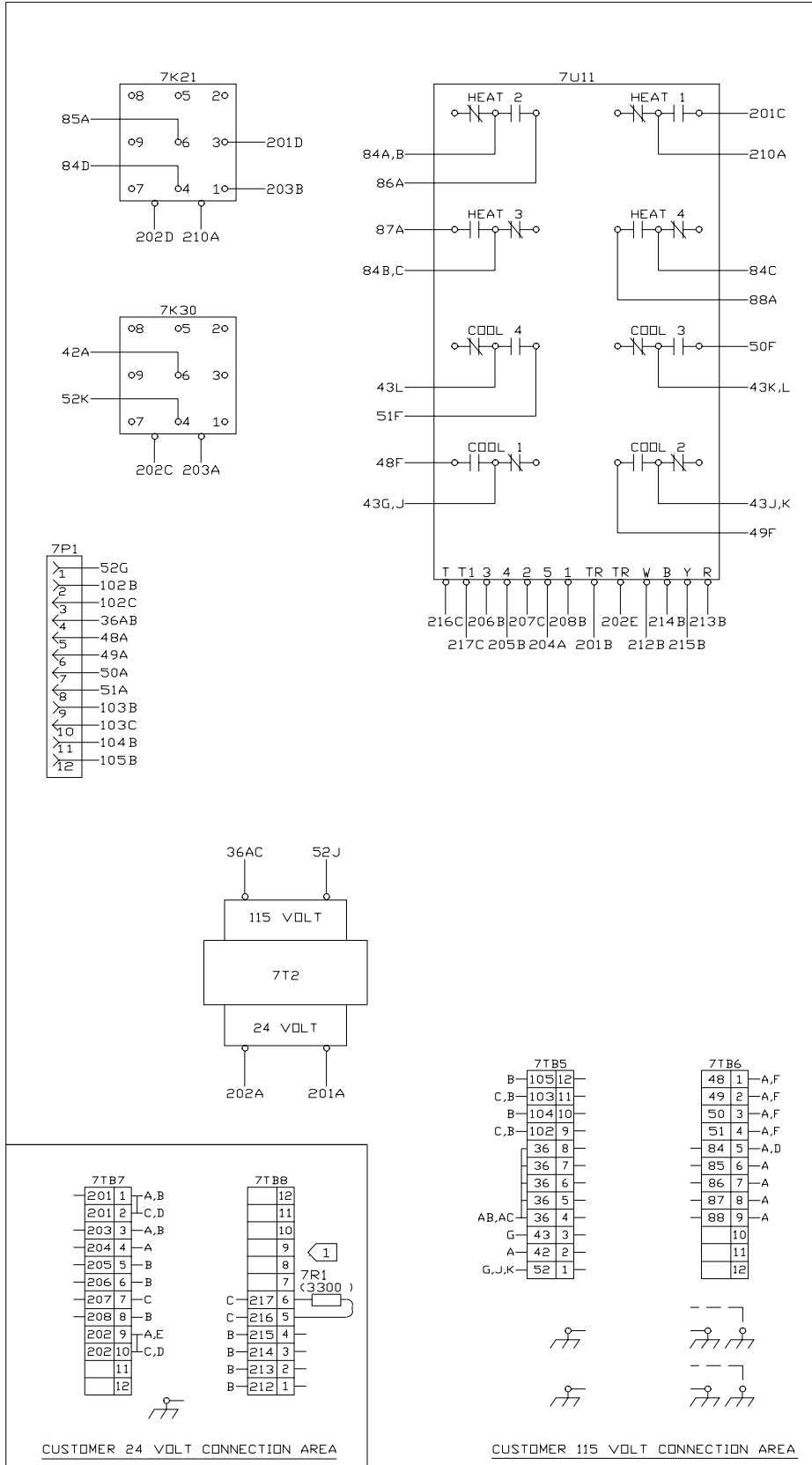
CAUTION

USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED
TO ACCEPT OTHER TYPES OF
CONDUCTORS.
FAILURE TO DO SO MAY CAUSE
DAMAGE TO THE EQUIPMENT.

2307-4483B

Figure 13
Typical "Constant Volume" Control Plate Connection Diagram
(Use with Figure 12)

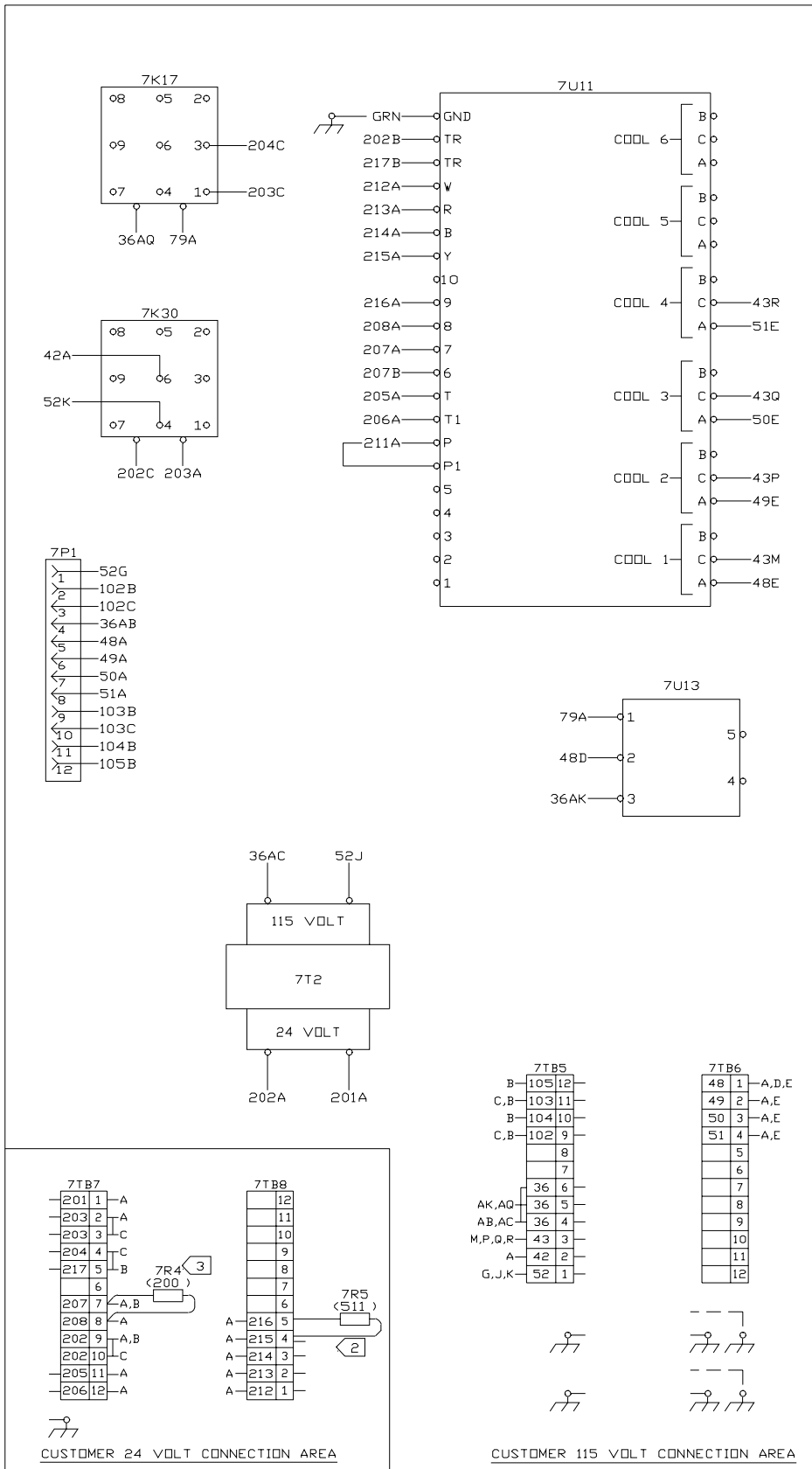
OPTIONAL (AREA 7)
 "CONSTANT VOLUME" CONTROLS PLATE



2307-4483B

Figure 14
Typical "Variable Air Volume" Control Plate Connection Diagram
(Use with Figure 12)

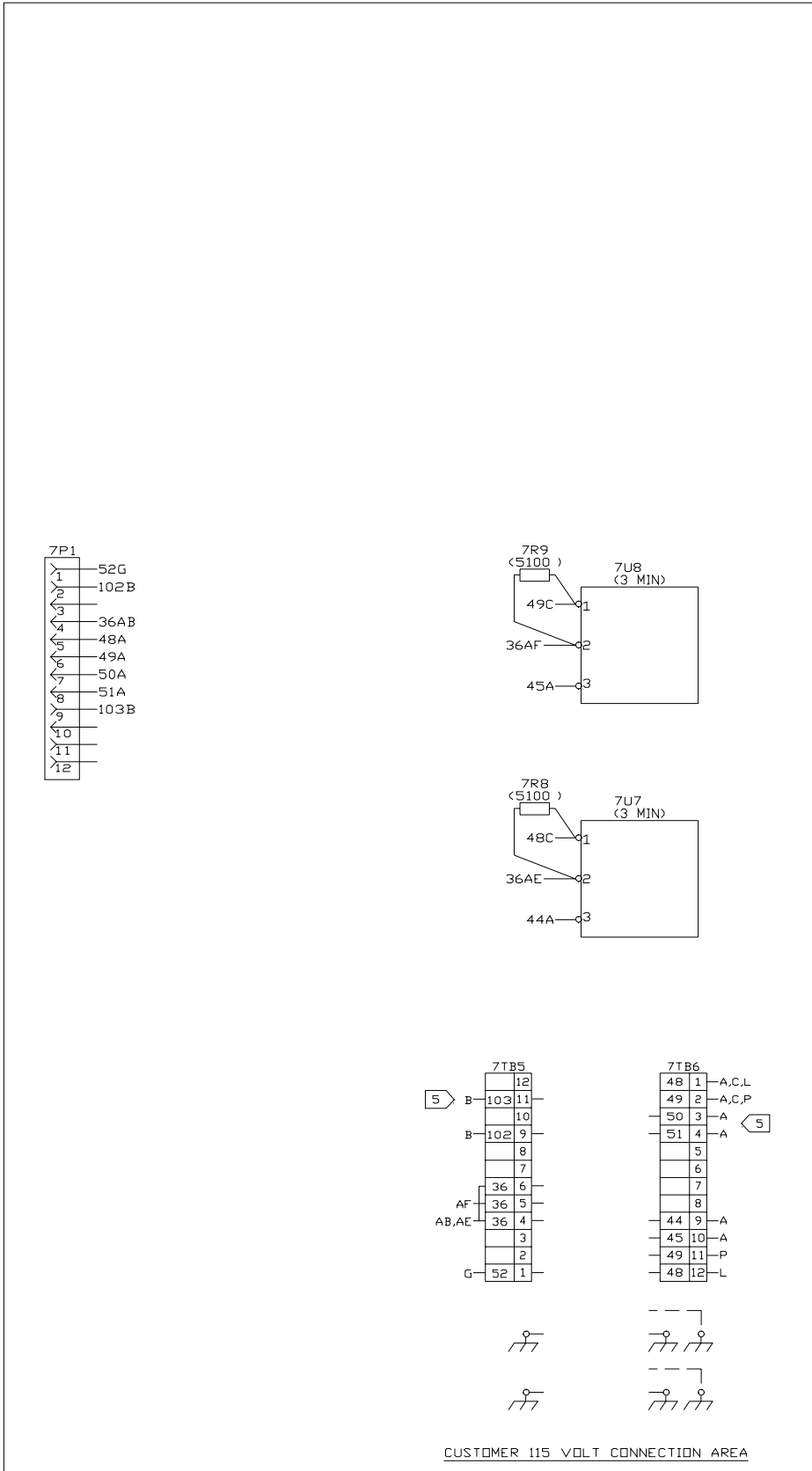
OPTIONAL (AREA 7)
 "VARIABLE AIR VOLUME" CONTROLS PLATE



2307-4483B

Figure 15
Typical "EVP" Control Plate Connections Diagram
(Use with Figure 12)

OPTIONAL (AREA 7) 4
 "EVP" CONTROLS PLATE



2307-4483B

