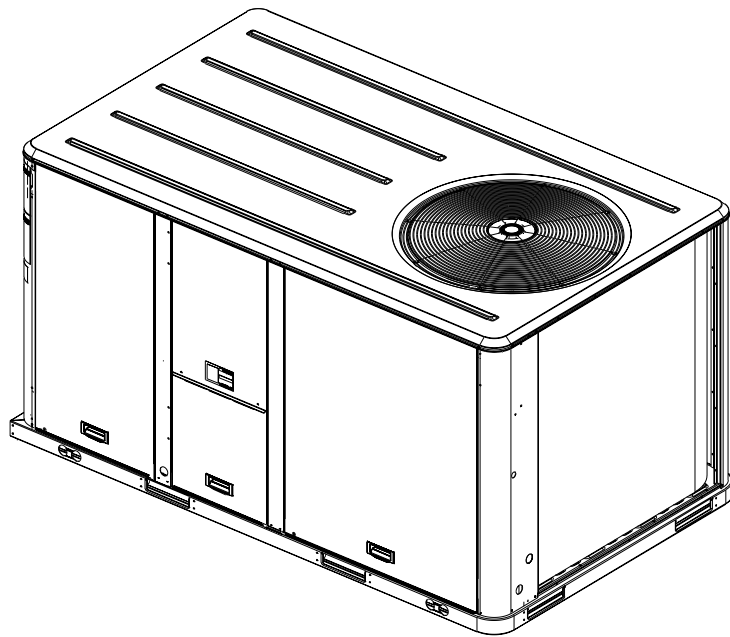


Wiring Manual

Packaged Electric/Electric
with ReliaTel™ Controls

3 - 10 Tons



Models:

(60 Hz)

TSC036A*R - TSC120A*R

THC036A*R - THC120A*R

Introduction

Literature Change History

T_C-SVE-001A-EN (Nov. 2003)
Updated wiring diagrams.

Overview of Manual

This manual provides wiring diagrams for unit models listed on the front page. Refer to the Table of Contents for proper wiring diagrams.

NOTICE:

Warnings and Cautions appear at appropriate sections throughout this manual. Read these carefully.



WARNING– Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION – Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

CAUTION – Indicates a situation that may result in equipment or property-damage-only accidents.

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Model Number Description

T S C 036 A 3 R B A ** C 0 0 0 A 1 0 0 0 1 A 1
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

DIGIT 1 - Unit Function

T = DX Cooling

DIGIT 2 - Efficiency

S = Standard Efficiency
H = High Efficiency

DIGIT 3 - Airflow

C = Convertible

DIGITS 4,5,6 - Nominal Gross Cooling Capacity (MBh)

036 = 3 Ton
048 = 4 Ton
060 = 5 Ton
072 = 6 Ton
090 = 7½ Ton, Single Compressor
092 = 7½ Ton, Dual Compressor
102 = 8½ Ton
120 = 10 Ton

DIGIT 7 - Major Design Sequence

A = First

DIGIT 8 - Unit Voltage

1 = 208-230/60/1
3 = 208-230/60/3
4 = 460/60/3
W = 575/60/3
K = 380/60/3

DIGIT 9 - Unit Controls

E = Electromechanical
R = ReliaTel™ Microprocessor

DIGIT 10 - Heating Capacity

0 = No Electric Heat
A = 5 kW (1 phase)
B = 6 kW (3 phase)
C = 9 kW (3 phase)
D = 10 kW (1 phase)
E = 12 kW (3 phase)
F = 14 kW (1 phase)
G = 18 kW (1 and 3 phase)
J = 23 kW (3 phase)
K = 27 kW (3 phase)
N = 36 kW (3 phase)
P = 54 kW (3 phase)

DIGIT 11 - Minor Design Sequence

A = First Sequence

DIGITS 12, 13 - Service Sequence

** = Factory Assigned

DIGIT 14 - Fresh Air Selection

0 = No Fresh Air
A = Manual Outside Air Damper 0-50%
B = Motorized Outside Air Damper 0-50%
C = Economizer, Dry Bulb 0-100% without Barometric Relief
D = Economizer, Dry Bulb 0-100% with Barometric Relief
E = Economizer, Reference Enthalpy 0-100% without Barometric Relief
F = Economizer, Reference Enthalpy 0-100% with Barometric Relief
G = Economizer, Comparative Enthalpy 0-100% without Barometric Relief
H = Economizer, Comparative Enthalpy 0-100% with Barometric Relief

DIGIT 15 - Supply Fan/Drive Type/Motor

0 = Standard Drive
1 = Oversized Motor
2 = Optional Belt Drive Motor

DIGIT 16 - Hinged Service Access/Filters

0 = Standard Panels/Standard Filters
A = Hinged Access Panels/Standard Filters
B = Standard Panels/2" Pleated Filters
C = Hinged Access Panels/2" Pleated Filters

DIGIT 20 - Convenience Outlet

0 = No Convenience Outlet
A = Unpowered Convenience Outlet
B = Powered Convenience Outlet (3 phase only)

DIGIT 21 - Communications Options

0 = No Communications Interface
1 = Trane Communications Interface
2 = LonTalk® Communications Interface
3 = Novar 2024 Controls
4 = Novar 3051 Controls

DIGIT 22 - Refrigeration System Option

0 = Standard Refrigeration System
A = Thermal Expansion Valve (TXV)
B = Dehumidification (Hot Gas Reheat Coil)

DIGIT 23 - Refrigeration Controls

0 = No Refrigeration Control
1 = High Pressure Control
2 = Frostat
3 = Crankcase Heater
4 = High Pressure Control and Frostat
5 = High Pressure Control and Crankcase Heater
6 = Frostat and Crankcase Heater
7 = High Pressure Control, Frostat and Crankcase Heater

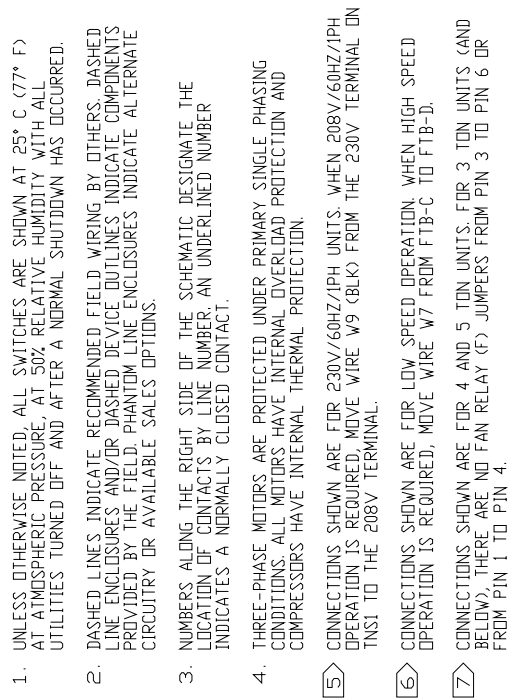
DIGIT 24 - Smoke Detector

0 = No Smoke Detector
A = Return Air Smoke Detector
B = Supply Air Smoke Detector
C = Supply and Return Air Smoke Detectors

DIGIT 25 - Monitoring Controls

0 = No Monitoring Control
1 = Clogged Filter Switch
2 = Fan Failure Switch
3 = Discharge Air Sensing Tube
4 = Clogged Filter Switch and Fan Fail Switch
5 = Clogged Filter Switch and Discharge Air Sensing Tube
6 = Fan Fail Switch and Discharge Air Sensing Tube
7 = Clogged Filter and Fan Fail Switches and Discharge Air Sensing Tube
8 = Novar Return Air Sensor





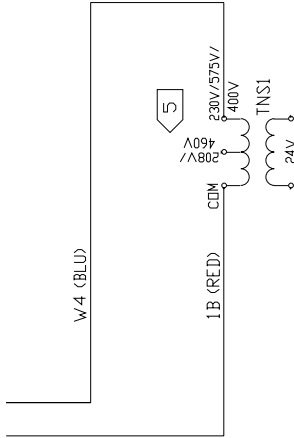
1. UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25° C (77° F) AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY WITH ALL UTILITIES TURNED OFF AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
2. DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SIZES OPTIONS.
3. NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER, AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT.
4. THREE-PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION AND COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.
5. CONNECTIONS SHOWN ARE FOR 230V/60HZ/1PH UNITS. WHEN 208V/60HZ/1PH OPERATION IS REQUIRED, MOVE WIRE W9 (BLK) FROM THE 230V TERMINAL ON TNS1 TO THE 208V TERMINAL.
6. CONNECTIONS SHOWN ARE FOR LOW SPEED OPERATION. WHEN HIGH SPEED OPERATION IS REQUIRED, MOVE WIRE W7 FROM FTB-C TO FTB-D.
7. CONNECTIONS SHOWN ARE FOR 4 AND 5 TON UNITS. FOR 3 TON UNITS (AND BELOW), THERE ARE NO FAN RELAY (F) JUMPERS FROM PIN 3 TO PIN 6 OR FROM PIN 1 TO PIN 4.

	COLOR	ABBR	COLOR	ABBR
BLACK		BLK	ORANGE	ORG
BLUE		BLU	RED	RED
BROWN		BRN	VIOLET (PURPLE)	VIO
GRAY (SLATE)		GRA	WHITE	WHT
GREEN/YELLOW		G/Y	YELLOW	YEL

	COLOR	ABBR	COLOR	ABBR
BLACK		BLK	ORANGE	ORG
BLUE		BLU	RED	RED
BROWN		BRN	VIOLET (PURPLE)	VIO
GRAY (SLATE)		GRA	WHITE	WHT
GREEN/YELLOW		G/Y	YELLOW	YEL

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

4366-1019D



1. UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25° C (77° F) AT ATMOSPHERIC PRESSURE. AT 50% RELATIVE HUMIDITY WITH ALL UTILITIES TURNED OFF AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
2. DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS.
3. NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT.
4. THREE-PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION AND COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.
5. CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH, 380V/60HZ/3PH, 575V/60HZ/3PH AND 380V-415V/50HZ/3PH UNITS. WHEN 208V/60HZ/3PH OR 460V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4 (BLU) FROM THE 230V/575V TERMINAL ON TNS1 TO THE 208V/460V TERMINAL.
6. CONNECTIONS SHOWN ARE FOR 5-TON AND SMALLER UNITS. FOR UNITS GREATER THAN 5-TON, CTL AND WIRE 4E (RED) ARE NOT PRESENT, AND CCH WIRES ARE CONNECTED TO CC1-L1 AND CC1-T1.
7. CONNECTIONS SHOWN ARE FOR 380V-415V/50HZ/3PH, 380V/60HZ/3PH, 460V/60HZ/3PH, AND 575V/60HZ/3PH UNITS. WHEN 208V/60HZ/3PH OR 230V/60HZ/3PH OPERATION IS REQUIRED, WIRES 32A (RED), <DDM DRG>, AND PINS 4 AND 5 ON DDF2 ARE NOT PRESENT.
8. CONNECTIONS SHOWN ARE FOR DEHUMIDIFICATION OPTION (2-SPEED DDM). FOR 1-SPEED DDM, WIRES 1S (RED), 32A (RED), <DDM DRG> AND COMPONENT DDF2 ARE NOT PRESENT AND WIRE <DDM BLK> IS CONNECTED TO CC1-L1.

REF	DESCRIPTION	LINE
CC1	COMPRESSOR CONTACTOR	23,25,30
CCH	CRANKCASE HEATER	27
CF1	OD MOTOR CAPACITOR	30
CPR1	COMPRESSOR	23
CTL	COIL TEMP LIMIT SWITCH	27
F	FAN CONTACTOR	10,12
IDM	ID FAN MOTOR	10
DDF2	DD FAN SPEED RELAY	32,33,34
DDM	DD FAN MOTOR	31
TNS1	LDW VOLTAGE TRANSFORMER	45

COLOR	ABBR	COLOR	ABBR
BLACK	BLK	ORANGE	DRG
BLUE	BLU	RED	RED
BROWN	BRN	VIOLET (PURPLE)	VIO
GRAY (SLATE)	GRA	WHITE	WHT
GREEN/YELLOW	G/Y	YELLOW	YEL

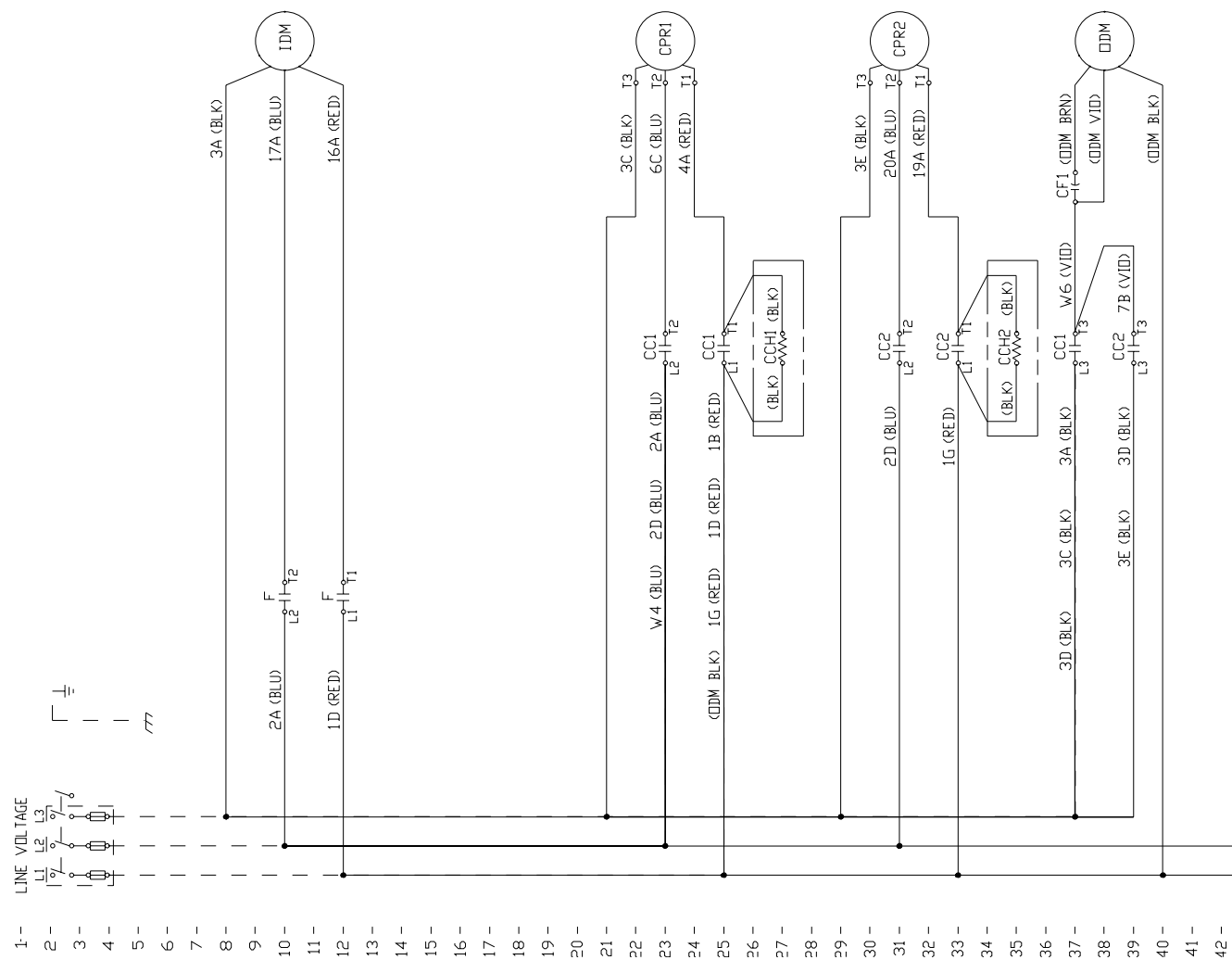
WARNING
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER, INCLUDING REMOTE DISCONNECTS, BEFORE SERVICING.
FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

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 ENTRAÎNER DES BLESSURES CORPORELLES SEVERES OU LA MORT.

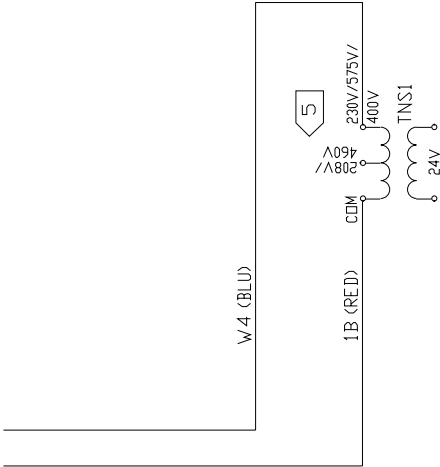
CAUTION
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.
FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

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

Diagram 3
Power Schematic - 230v/60hz/3ph
7.5 - 10 Ton Cooling Only / Dual Compressor
4366-1037



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REF	DESCRIPTION	LINE
CC1	COMPRESSOR CONTACTOR 1	23,25,37
CC2	COMPRESSOR CONTACTOR 2	31,33,39
CCH1	CRANKCASE HEATER 1	27
CCH2	CRANKCASE HEATER 2	35
CF1	OD FAN CAPACITOR	37
CPR1	COMPRESSOR 1	23
CPR2	COMPRESSOR 2	31
F	FAN CONTACTOR	10,12
IDM	ID FAN MOTOR	10
ODM	OD FAN MOTOR	38
TNS1	LOW VOLTAGE TRANSFORMER	51

1. UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25° C (77° F) AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY WITH ALL UTILITIES TURNED OFF AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
2. DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS.
3. NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT.
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- 5 CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH, 380V/60HZ/3PH, 575V/60HZ/3PH, AND 380V-415V/50HZ/3PH UNITS. WHEN 208V/60HZ/3PH OR 460V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4(BLU) FROM THE 230V/575V TERMINAL ON TNS1 TO THE 208V/460V TERMINAL.

IMPORTANT!
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UNTIL CHECK-OUT AND
START-UP PROCEDURE HAS
BEEN COMPLETED.

COLOR	ABBR	COLOR	ABBR
BLACK	BLK	ORANGE	ORG
BLUE	BLU	RED	RED
BROWN	BRN	VIOLET (PURPLE)	VIO
GRAY (SLATE)	GRA	WHITE	WHT
GREEN/YELLOW	G/Y	YELLOW	YEL

WARNING

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AVERTISSEMENT

VOLTAGE HASARDEUX!

DECONNECTEZ TOUTES LES SOURCES ELECTRIQUES INCLUANT LES DISJONCTEURS SITUES A DISTANCE AVANT D'EXECUTER L'ENTRETIEN.

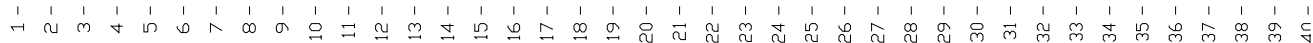
FAUTE DE DECONNECTER LA SOURCE ELECTRIQUE AVANT D'EXECUTER L'ENTRETIEN PEUT ENTRAÎNER DES BLESSURES CORPORELLES SEVERES OU LA MORT.

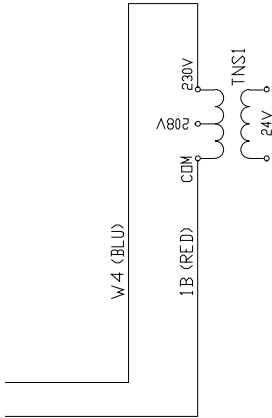
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FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.





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- 5 CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH UNITS. WHEN 208V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4 (BLU) FROM THE 230V TERMINAL ON TNS1 TO THE 208V TERMINAL.
- 6 CONNECTIONS SHOWN ARE FOR LOW SPEED OPERATION. WHEN HIGH SPEED OPERATION IS REQUIRED, MOVE WIRE W7 FROM FTB-C TO FTB-D.
- 7 CONNECTIONS SHOWN ARE FOR 4 AND 5 TON UNITS. FOR 3 TON UNITS (AND BELOW), THERE ARE NO FAN RELAY (F) JUMPERS FROM PIN 3 TO PIN 6 OR FROM PIN 1 TO PIN 4.

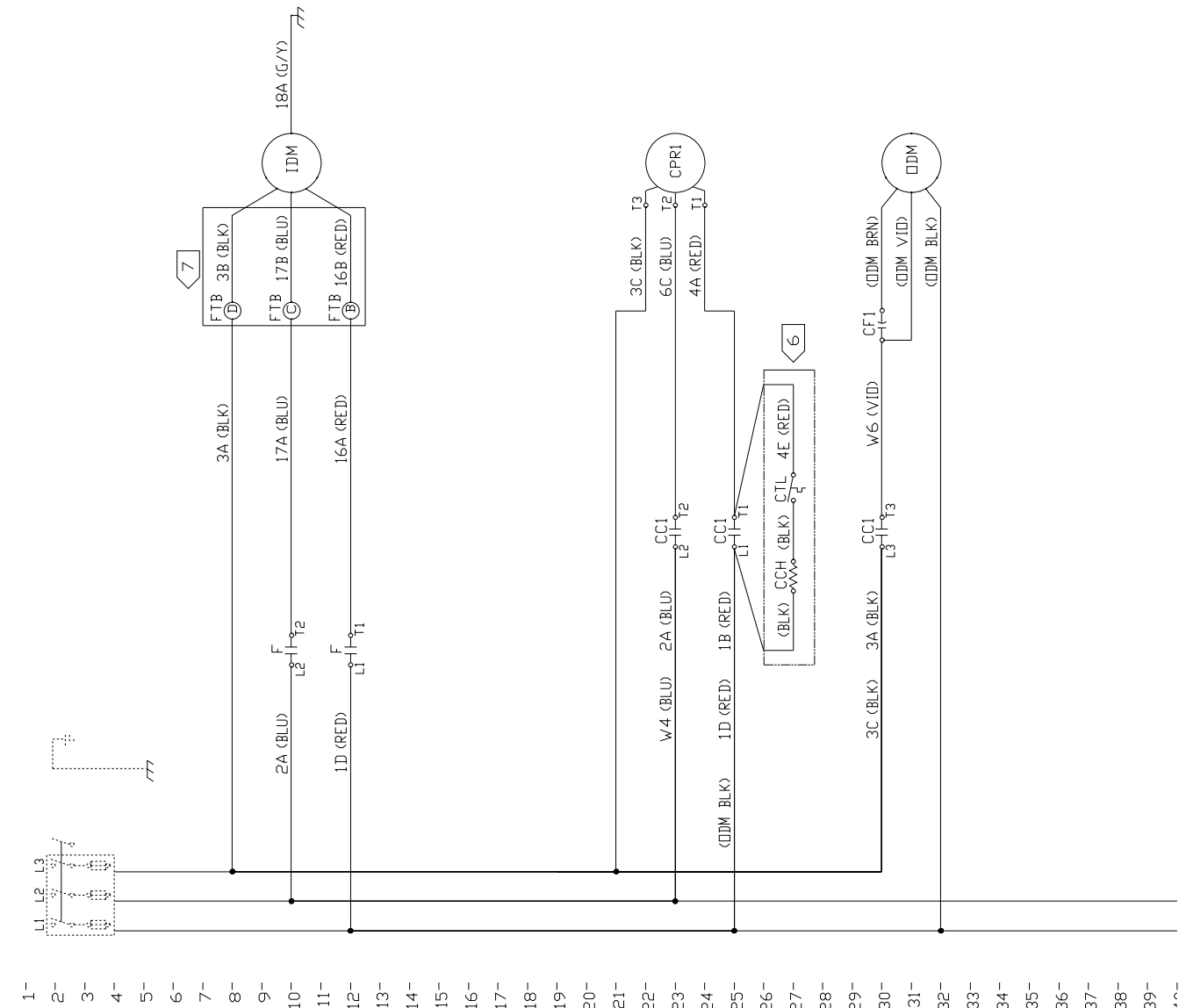
REF	DESCRIPTION	LINE
CC1	COMPRESSOR CONTACTOR	23,25,30
CH	CRANKCASE HEATER	27
CF1	OD MOTOR CAPACITOR	30
CF2	ID MOTOR CAPACITOR	12
CPR1	COMPRESSOR	23
CTL	COIL TEMP LIMIT SWITCH	27
F	FAN RELAY	9,10
FTB	ID FAN TERMINAL BLOCK	8,10,12
IDM	ID FAN MOTOR	10
ODM	OD FAN MOTOR	31
TNS1	LOW VOLTAGE TRANSFORMER	45

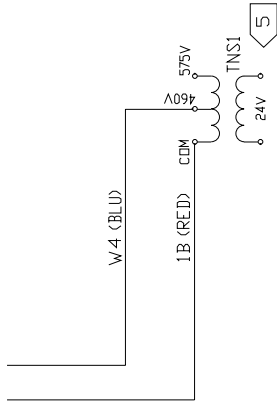
COLOR	ABBR	COLOR	ABBR
BLACK		BLK	DRG
BLUE		BLU	RED
BROWN		BRN	VIOLET (PURPLE)
GRAY (SLATE)		GRA	WHT
GREEN/YELLOW		G/Y	YELLOW

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 SITUÉS A DISTANCE AVANT D'EFFECTUER L'ENTRETIEN. FAUTE DE DECONNECTER LA SOURCE ELECTRIQUE AVANT D'EFFECTUER L'ENTRETIEN PEUT ENTRAÎNER 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.
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Diagram 5
Power Schematic - 460-575v/60hz/3ph
2 - 7.5 Ton Cooling Only / Belt Drive Motor
4366-1023





1. UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25° C (77° F) AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY WITH ALL UTILITIES TURNED OFF AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
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4. THREE-PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION AND COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.
- 5 CONNECTIONS SHOWN ARE FOR 460V/60HZ/3PH UNITS. WHEN 575V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4 (BLU) FROM THE 460V TERMINAL ON TNS1 TO THE 575V TERMINAL.
- 6 CONNECTIONS SHOWN ARE FOR 5-TON AND SMALLER UNITS. FOR UNITS GREATER THAN 5-TON, CTL AND WIRE 4E (RED) ARE NOT PRESENT, AND CCH WIRES ARE CONNECTED TO CCI-L1 AND CCI-T1.
- 7 CONNECTIONS SHOWN ARE FOR 5-TON (AND SMALLER) UNITS. FOR UNITS GREATER THAN 5-TON, WIRES 3B, 16B,17B AND FTB ARE NOT PRESENT, AND WIRES 3A, 16A, AND 17A ARE CONNECTED DIRECTLY TO IDM.

REF	DESCRIPTION	LINE
CC1	COMPRESSOR CONTACTOR	23,25,30
CCH	CRANKCASE HEATER	27
CF1	ID MOTOR CAPACITOR	30
CPRI	COMPRESSOR	23
CTL	COIL TEMP LIMIT SWITCH	27
F	FAN CONTACTOR	10,12
FTB	ID FAN TERMINAL BLOCK	8,10,12
IDM	ID FAN MOTOR	10
IDM	ID FAN MOTOR	31
TNS1	LOW VOLTAGE TRANSFORMER	35

COLOR	ABBR	COLOR	ABBR
BLACK	BLK	ORANGE	ORG
BLUE	BLU	RED	RED
BROWN	BRN	VIOLET (PURPLE)	VIO
GRAY (SLATE)	GRA	WHITE	WHT
GREEN/YELLOW	G/Y	YELLOW	YEL

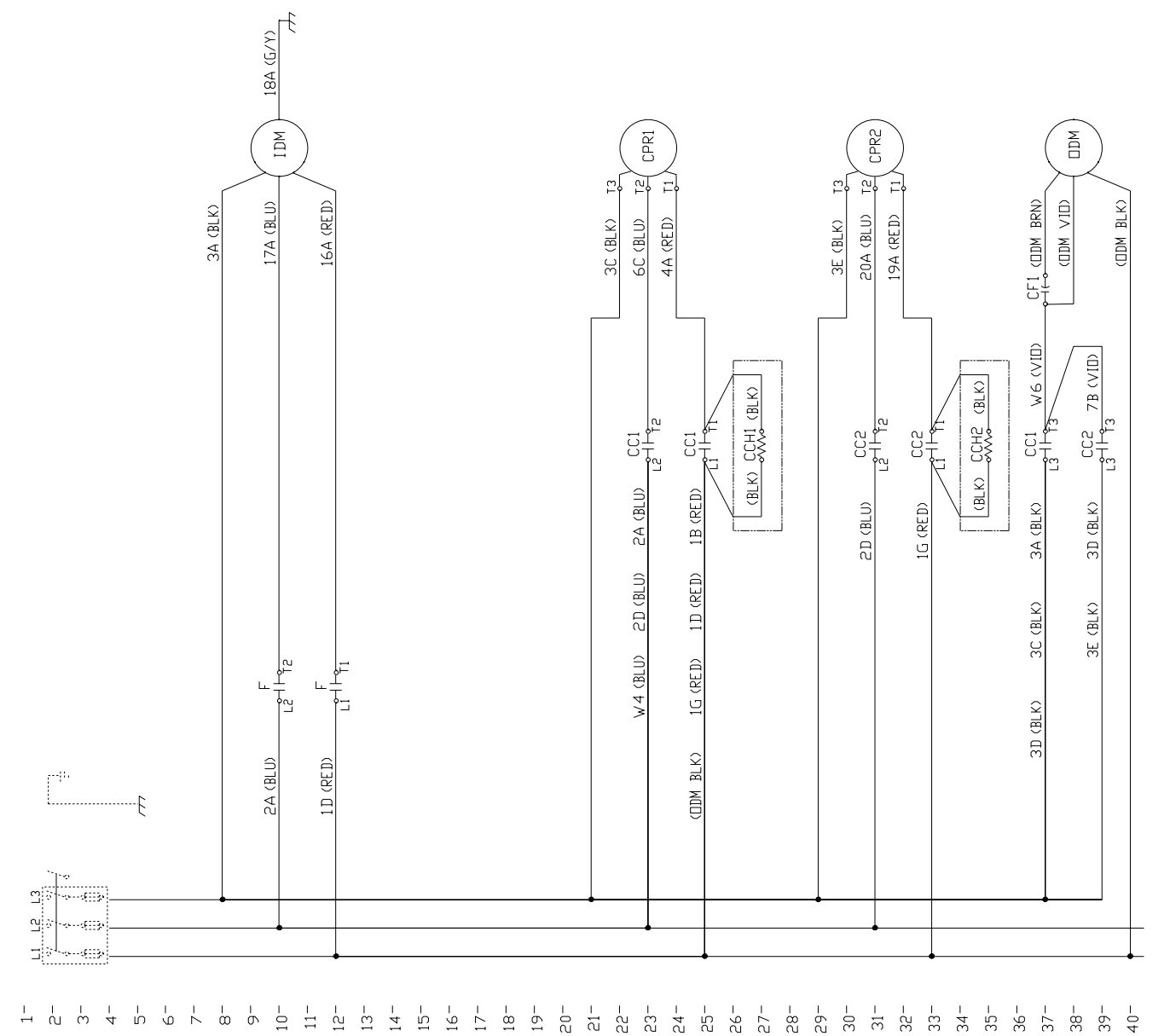
IMPORTANT!
DO NOT ENERGIZE UNIT
UNTIL CHECK-OUT AND
START-UP PROCEDURE HAS
BEEN COMPLETED.

⚠ WARNING	⚠ AVERTISSEMENT
HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRIC POWER, INCLUDING REMOTE DISCONNECTS, BEFORE SERVICING. FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.	VOLTAGE HASARDEUX! DECONNECTEZ TOUTES LES SOURCES ELECTRIQUES INCLUANT LES DISJONCTEURS L'ENTRETIEN. FAUTE DE DECONNECTEZ LA SOURCE ELECTRIQUE AVANT D'EFFECTUER L'ENTRETIEN PEUT ENTRAÎNER 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.

Diagram 6
 Power Schematic - 460-575v/60hz/3ph
 7.5 - 10 Ton Cooling Only / Dual Compressor
 4366-1038



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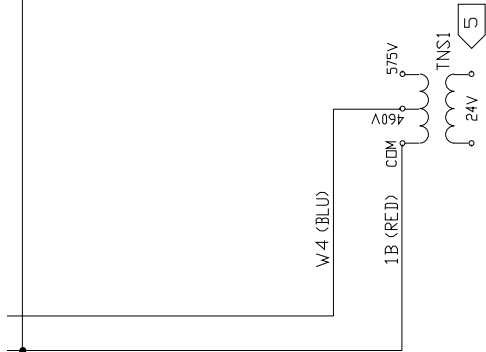
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(UUM BLK) /



REF	DESCRIPTION	LINE
CC1	COMPRESSOR CONTACTOR 1	23,25,37
CC2	COMPRESSOR CONTACTOR 2	31,33,39
CCH1	CRANKCASE HEATER 1	27
CCH2	CRANKCASE HEATER 2	35
CF1	OD FAN CAPACITOR	37
CPR1	COMPRESSOR 1	23
CPR2	COMPRESSOR 2	31
F	FAN CONTACTOR	10,12
IDM	ID FAN MOTOR	10
DDM	OD FAN MOTOR	38
TNS1	LOW VOLTAGE TRANSFORMER	51

COLOR	ABBR	COLOR	ABBR
BLACK	BLK	ORANGE	DRG
BLUE	BLU	RED	RED
BROWN	BRN	VIOLET (PURPLE)	VIO
GRAY (SLATE)	GRA	WHITE	WHT
GREEN/YELLOW	G/Y	YELLOW	YEL

1. UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25° C (77° F) AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY WITH ALL UTILITIES TURNED OFF AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
2. DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS.
3. NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT.
4. THREE-PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION AND COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.

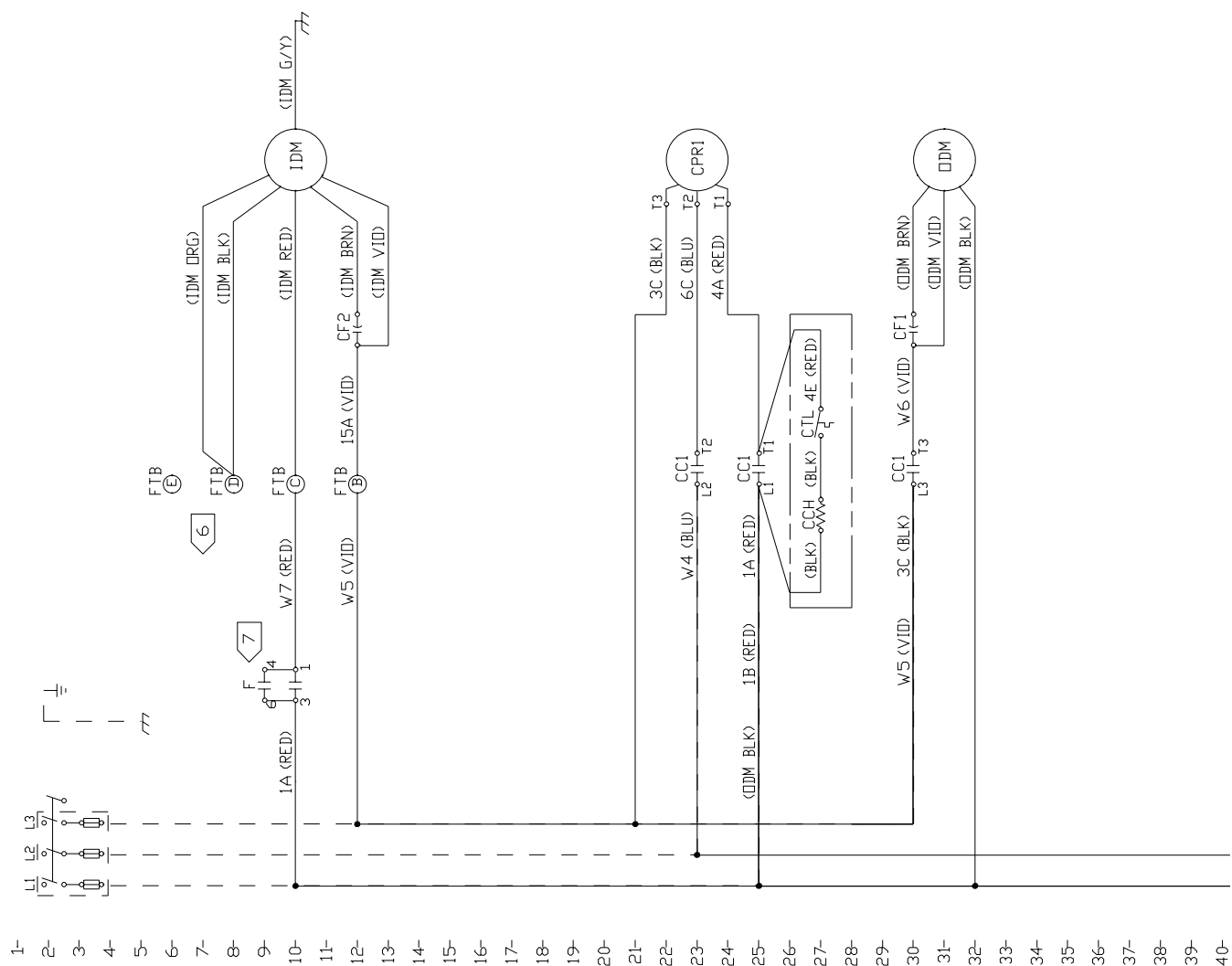
5 CONNECTIONS SHOWN ARE FOR 460V/60HZ/3PH UNITS. WHEN 575V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4 (BLU) FROM THE 460V TERMINAL ON TNS1 TO THE 575V TERMINAL.

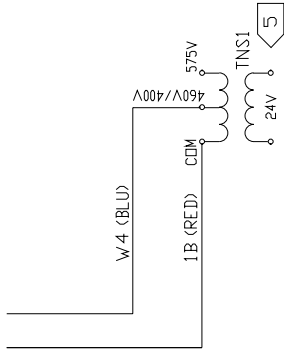
IMPORTANT!
DO NOT ENERGIZE UNIT
UNTIL CHECK-OUT AND
START-UP PROCEDURE HAS
BEEN COMPLETED.

WARNING	AVERTISSEMENT
HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRIC POWER, INCLUDING REMOTE DISCONNECTS, BEFORE SERVICING. FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.	VOLTAGE HASARDEUX! DECONNECTEZ TOUTES LES SOURCES ELECTRIQUES INCLUANT LES DISJONCTEURS SITUES A DISTANCE AVANT D'EXECUTER L'ENTRETIEN. FAUTE DE DECONNECTER LA SOURCE ELECTRIQUE AVANT D'EXECUTER 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.

Diagram 7
Power Schematic - 460-575v/60hz/3ph
2 - 5 Ton Cooling Only / Direct Drive Motor
4366-1025





1. UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25° C (77° F) AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY WITH ALL UTILITIES TURNED OFF AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
2. DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS.
3. NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT.
4. THREE-PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION AND COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.
- 5 CONNECTIONS SHOWN ARE FOR 380V/60HZ/3PH AND 460V/60HZ/3PH UNITS. WHEN 575V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4 (BLU) FROM THE 460V TERMINAL ON TNS1 TO THE 575V TERMINAL.
- 6 CONNECTIONS SHOWN ARE FOR LOW SPEED OPERATION. WHEN HIGH SPEED OPERATION IS REQUIRED, MOVE ORANGE WIRE FROM FTB-D TO FTB-E AND MOVE W7 FROM FTB-C TO FTB-D.
- 7 CONNECTIONS SHOWN ARE FOR 4 AND 5 TON UNITS. FOR 3 TON UNITS (AND BELOW) THERE ARE NO FAN RELAY (F) JUMPERS FROM PIN 3 TO PIN 6 OR FROM PIN 1 TO PIN 4.

REF	DESCRIPTION	LINE
CC1	COMPRESSOR CONTACTOR	23,25,30
CCH	CRANKCASE HEATER	27
CF1	OD MOTOR CAPACITOR	30
CF2	ID MOTOR CAPACITOR	12
CPR1	COMPRESSOR	23
CTL	COIL TEMP LIMIT SWITCH	27
F	FAN RELAY	9,10
FTB	ID FAN TERMINAL BLOCK	6,8,10,12
IDM	ID FAN MOTOR	10
ODM	OD FAN MOTOR	31
TNS1	LOW VOLTAGE TRANSFORMER	45

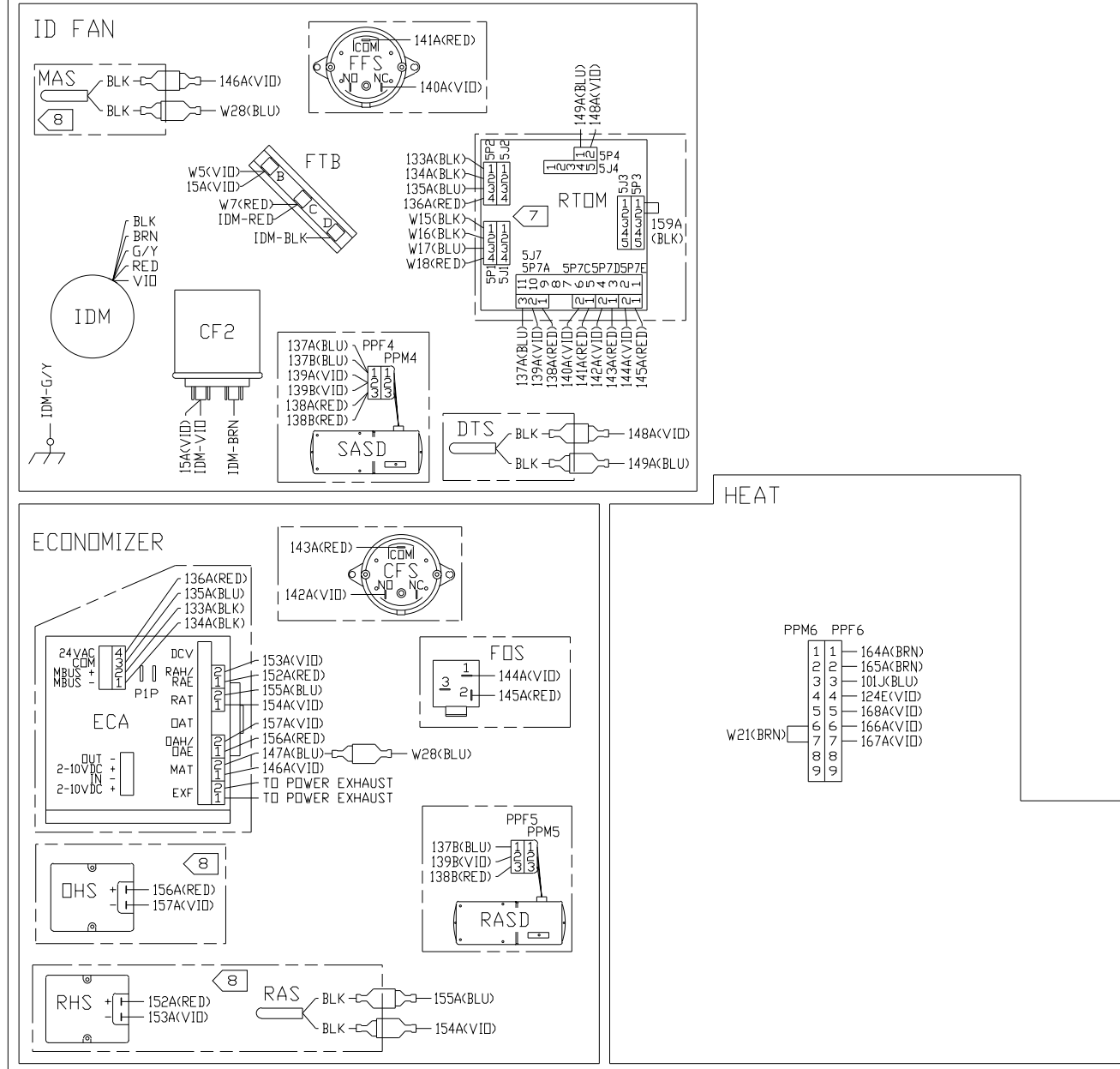
COLOR	ABBR	COLOR	ABBR
BLACK	BLK	ORANGE	ORG
BLUE	BLU	RED	RED
BROWN	BRN	VIOLET (PURPLE)	VIO
GRAY (SLATE)	GRA	WHITE	WHT
GREEN/YELLOW	G/Y	YELLOW	YEL

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

⚠ WARNING	⚠ AVERTISSEMENT
HAZARDOUS VOLTAGE! DISCONNECT ALL ELECTRIC POWER, INCLUDING REMOTE DISCONNECTS, BEFORE SERVICING. FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.	VOLTAGE HASARDEUX! DECONNECTEZ TOUTES LES SOURCES ELECTRIQUES INCLUANT LES DISJONCTEURS SITUES A DISTANCE AVANT D'EFFECTUER L'ENTRETIEN. FAUTE DE DECONNECTEZ LA SOURCE ELECTRIQUE AVANT D'EFFECTUER L'ENTRETIEN PEUT ENTRAÎNER 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.

Diagram 8
Connection Diagram - 230v/60hz/1ph
2 -5 Ton Cooling Only
4366-1506

1. ALL WIRING AND DEVICES SHOWN DASHED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS.
2. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED WITH THIS UNIT, MUST BE REPLACED, REPLACE WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.
3. THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION. COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.
- 4 CONNECTIONS SHOWN ARE FOR 230V/60HZ/1PH UNITS. WHEN 208V/60HZ/1PH OPERATION IS REQUIRED, MOVE WIRE W9(BLK) FROM THE 230V TERMINAL ON TNS1 TO THE 208V TERMINAL.
- 5 ALL UNITS SHIP WITH AN OPTIONS HARNESS ROUTED FROM THE CONTROL PANEL TO THE ID FAN AND ECONOMIZER SECTIONS. IF NO OPTIONS ARE INSTALLED, DO NOT CONNECT THE HARNESS TO RTRM. IF COMM IS INSTALLED, CONNECT AS SHOWN. IF OPTIONS ARE INSTALLED WITHOUT COMM, CONNECT 3P4 TO 3J4 ON RTRM.
- 6 CONNECTIONS SHOWN INCLUDE OPTIONAL HPC1. IF HPC1 IS NOT INSTALLED, CONNECT W23(YEL) TO 122A(YEL).
- 7 CONNECTIONS SHOWN INCLUDE OPTIONAL RTOM. IF RTOM IS NOT INSTALLED, CONNECT 5P1 AND 5P2 THROUGH GENDER CHANGER HARNESS 4366-1172-01.
- 8 OPTIONAL MAS, RAS, RHS, OHS, AND ASSOCIATED WIRING NOT USED WITH MOTORIZED OUTSIDE AIR DAMPER.



HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER,
INCLUDING REMOTE DISCONNECTS,
BEFORE SERVICING.

VOLTAGE HASARDEUX!
DECONNECTEZ TOUTES LES SOURCES
ELECTRIQUES INCLUANT LES DISJONCTEURS
SITUES A DISTANCE AVANT D'EFFECTUER
L'ENTRETIEN.

USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED
TO ACCEPT OTHER TYPES OF
CONDUCTORS.

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

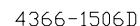
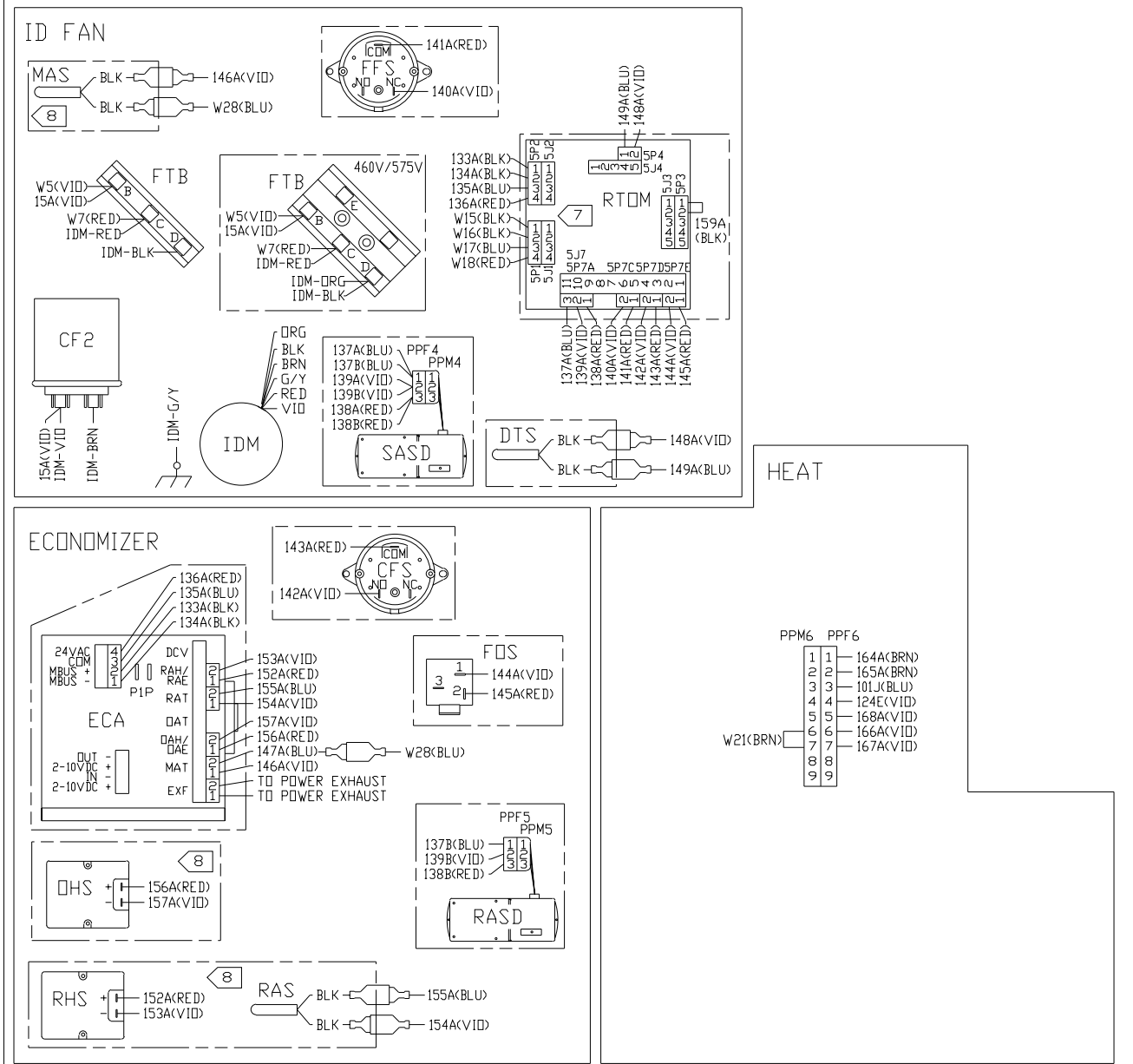


Diagram 9
Connection Diagram - 230-460-575v/60hz/3ph
2 - 5 Ton Cooling Only / Direct Drive Motor
4366-1508

1. ALL WIRING AND DEVICES SHOWN DASHED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS.
2. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED WITH THIS UNIT, MUST BE REPLACED, REPLACE WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.
3. THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION. COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.
- 4 CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH, 380V/60HZ/3PH OR 575V/60HZ/3PH UNITS. WHEN 208V/60HZ/3PH OR 460V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4(BLU) FROM THE 230V/400V/575V TERMINAL ON TNS1 TO THE 208V/460V TERMINAL.
- 5 ALL UNITS SHIP WITH AN OPTIONS HARNESS ROUTED FROM THE CONTROL PANEL TO THE ID FAN AND ECONOMIZER SECTIONS. IF NO OPTIONS ARE INSTALLED, DO NOT CONNECT THE HARNESS TO RTRM. IF COMM IS INSTALLED, CONNECT AS SHOWN. IF OPTIONS ARE INSTALLED WITHOUT COMM, CONNECT 3P4 TO 3J4 ON RTRM.
- 6 CONNECTIONS SHOWN INCLUDE OPTIONAL HPC1. IF HPC1 IS NOT INSTALLED, CONNECT W23(YEL) TO 122A(YEL).
- 7 CONNECTIONS SHOWN INCLUDE OPTIONAL RTOM. IF RTOM IS NOT INSTALLED, CONNECT SP1 AND SP2 THROUGH GENDER CHANGER HARNESS 4366-1172-01.
- 8 OPTIONAL MAS, RAS, RHS, OHS, AND ASSOCIATED WIRING NOT USED WITH MOTORIZED OUTSIDE AIR DAMPER.



⚠ 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'EXECUTER L'ENTRETIEN.

FAUTE DE DECONNECTER LA SOURCE ELECTRIQUE AVANT D'EXECUTER 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.

IMPORTANT!

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

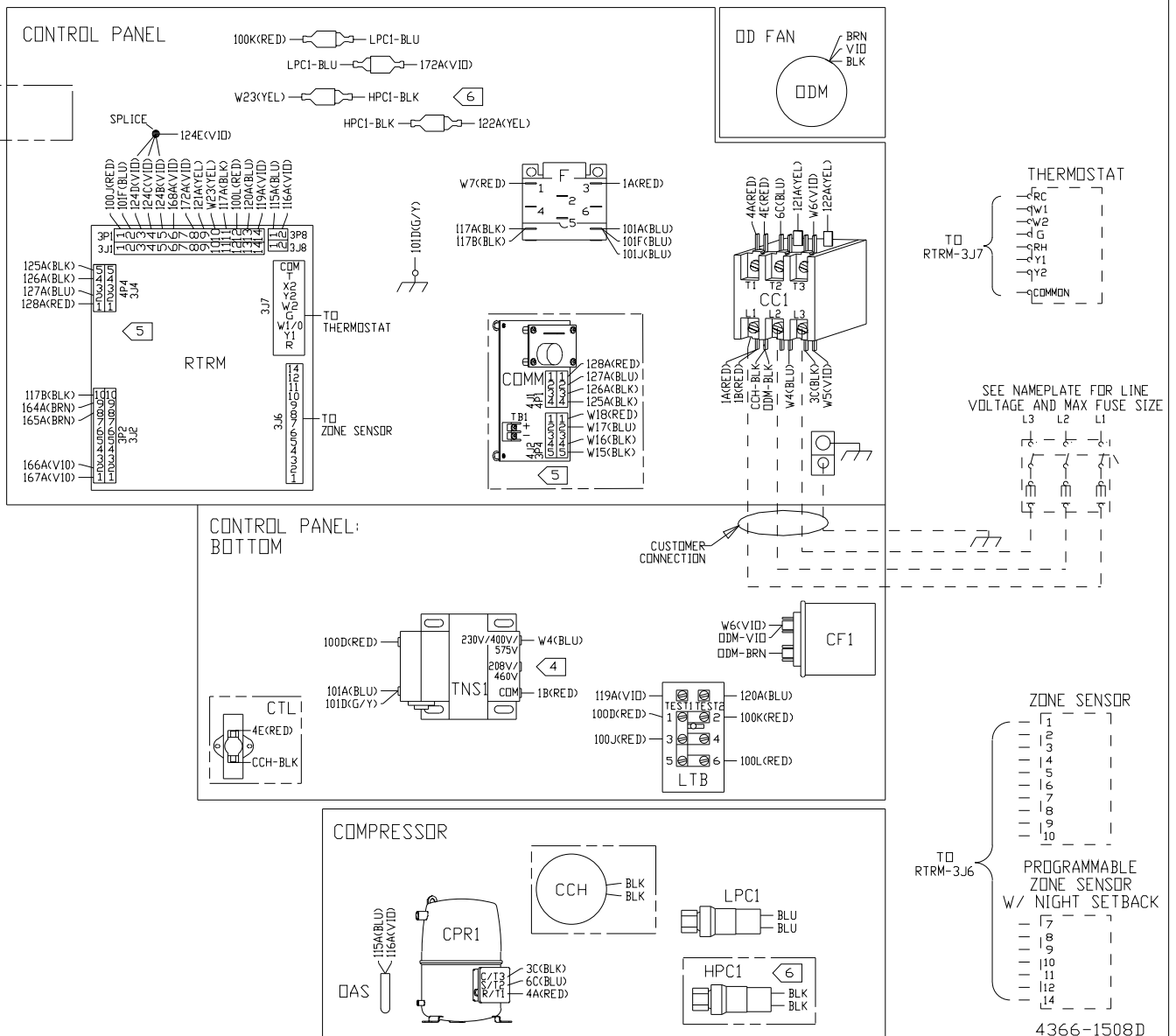
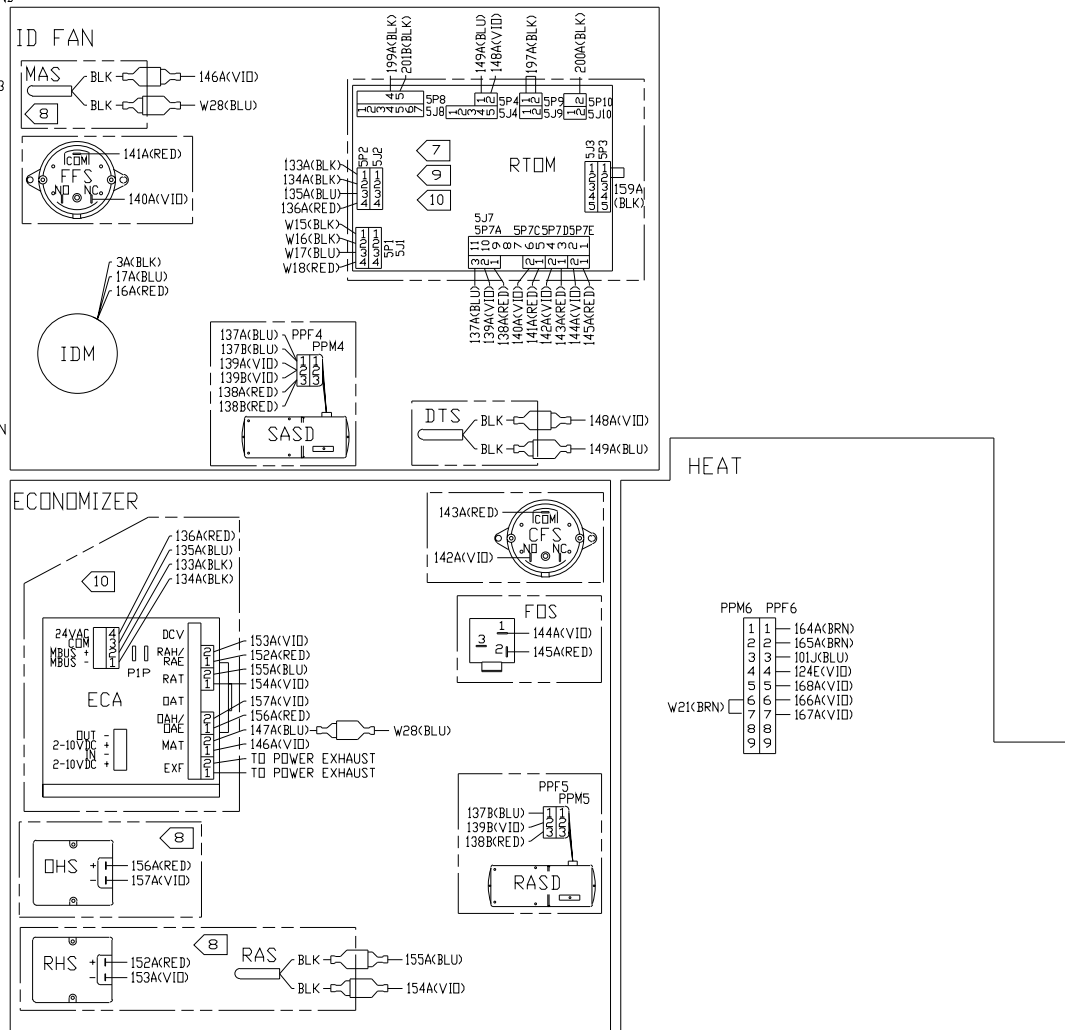


Diagram 10
Connection Diagram - 208-230,460,575v/60hz/3ph
2 - 5 Ton Cooling Only / Belt Drive Motor
4366-1509

1. ALL WIRING AND DEVICES SHOWN DASHED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS.
2. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED WITH THIS UNIT, MUST BE REPLACED, REPLACE WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.
3. THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION. COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.
4. CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH, 380V/60HZ/3PH, 575V/60HZ/3PH AND 380V-415V/50HZ/3PH UNITS. WHEN 208V/60HZ/3PH OR 460V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4(BLU) FROM THE 230V/400V/575V TERMINAL TO THE 208V/460V TERMINAL ON TNS1.
5. ALL UNITS SHIP WITH AN OPTIONS HARNESS ROUTED FROM THE CONTROL PANEL TO THE ID FAN AND ECONOMIZER SECTIONS. IF NO OPTIONS ARE INSTALLED, DO NOT CONNECT THE HARNESS TO RTM. IF COMM IS INSTALLED, CONNECT AS SHOWN. IF OPTIONS ARE INSTALLED WITHOUT COMM, CONNECT 3P4 TO 3J4 ON RTM.
6. CONNECTIONS SHOWN INCLUDE OPTIONAL HPC1. IF HPC1 IS NOT INSTALLED, CONNECT W23 TO 122A.
7. CONNECTIONS SHOWN INCLUDE OPTIONAL RTM. IF NOT INSTALLED, CONNECT 5P1 AND 5P2 THROUGH GENDER CHANGER HARNESS 4366-1172-01.
8. OPTIONAL MAS, RAS, RHS, DHS, AND ASSOCIATED WIRING NOT USED WITH MOTORIZED OUTSIDE AIR DAMPER.
9. COMPONENTS 3P3, 5P8, 5P9, 5P10, NLTB, LTB 7-14, RHV, RTCM AND ASSOCIATED WIRING ARE PRESENT ONLY WITH DEHUMIDIFICATION OPTION.
10. SEE CO2 & VENT. OVERRIDE ACCESSORY DIAGRAM 4366-1003 FOR ADDITIONAL WIRING.
11. CONNECTIONS SHOWN ARE FOR DEHUMIDIFICATION OPTION (2-SPEED ODM), FOR 1-SPEED ODM, WIRES ODM-ORG, ODM-RED, 32A (RED) IS (RED), 101A (BLU), 196A (BLK), AND RELAY ODF2 ARE NOT PRESENT AND WIRE ODM-BLK IS CONNECTED TO CCI, TERMINAL L1.
12. CONNECTIONS SHOWN ARE FOR 400V/460V/575V. FOR 200V/208V/230V, WIRES ODM-ORG & ODF2 TERMINALS 4-6 ARE NOT PRESENT AND WIRE 32A (RED) IS NOT CONNECTED.
13. CUT AND ISOLATE WIRE 124B(VID) IF DEHUMIDIFICATION OPTION IS INSTALLED.



HAZARDOUS VOLTAGE!

DISCONNECT ALL ELECTRIC POWER,
INCLUDING REMOTE DISCONNECTS,
BEFORE SERVICING.

FAILURE TO DISCONNECT POWER
BEFORE SERVICING CAN CAUSE
SEVERE PERSONAL INJURY OR
DEATH.

VOLTAGE HASARDEUX!

DECONNECTEZ TOUTES LES SOURCES
ELECTRIQUES INCLUANT LES DISJONCTEURS
SITUES A DISTANCE AVANT D'EFFECTUER
L'ENTRETIEN.

FAUTE DE DECONNECTEZ LA SOURCE
ELECTRIQUE AVANT D'EFFECTUER
L'ENTRETIEN PEUT ENTRAINER DES BLESSURES
CORPORELLES SEVERES OU LA MORT.

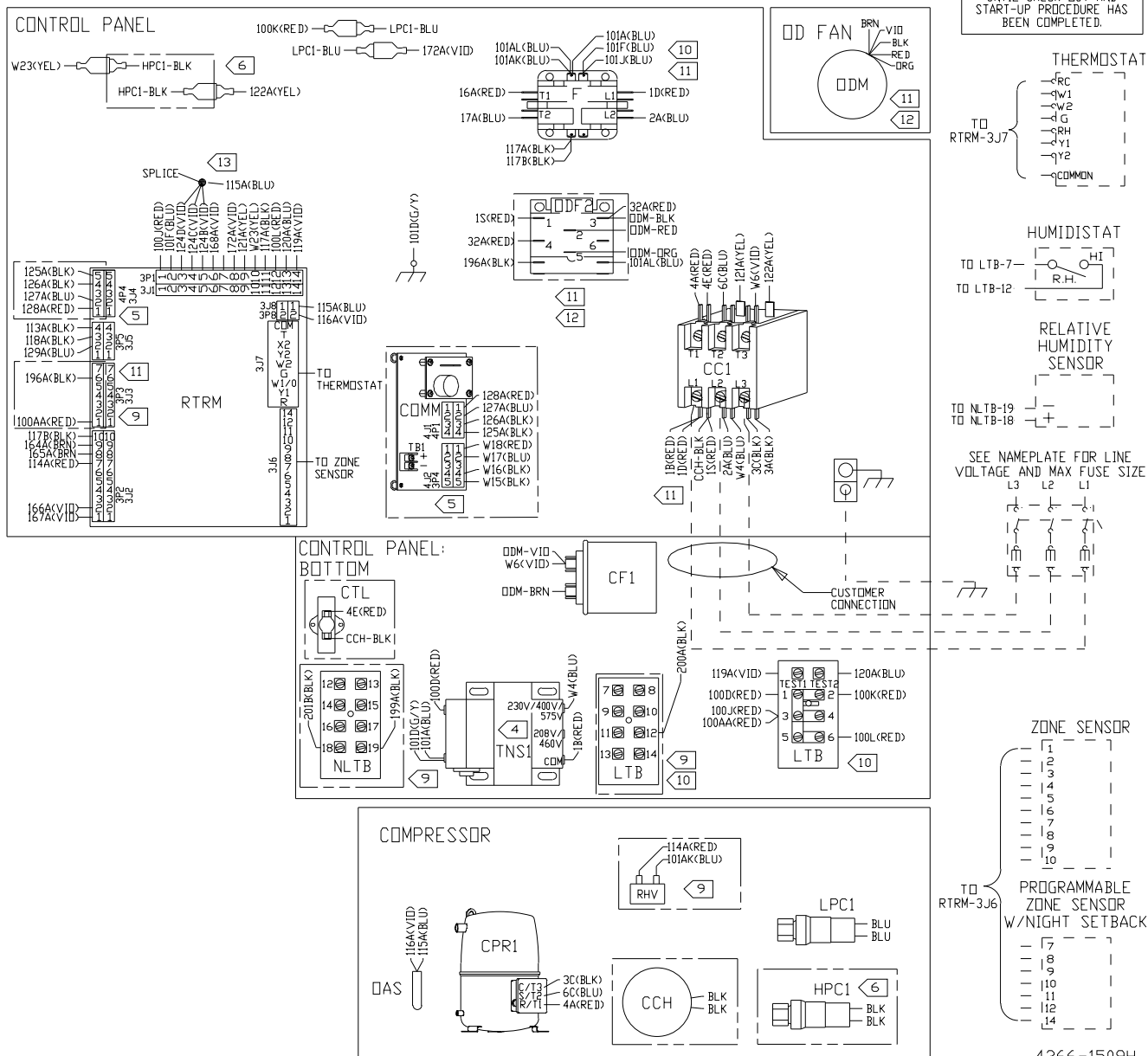
USE COPPER CONDUCTORS ONLY!

UNIT TERMINALS ARE NOT DESIGNED
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CONDUCTORS.

FAILURE TO DO SO MAY CAUSE
DAMAGE TO THE EQUIPMENT.

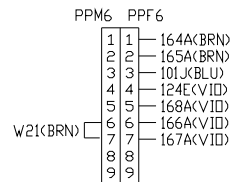
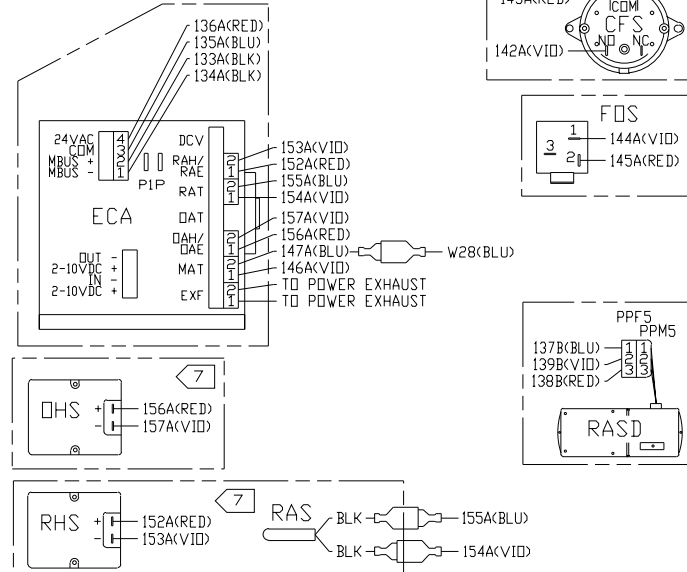
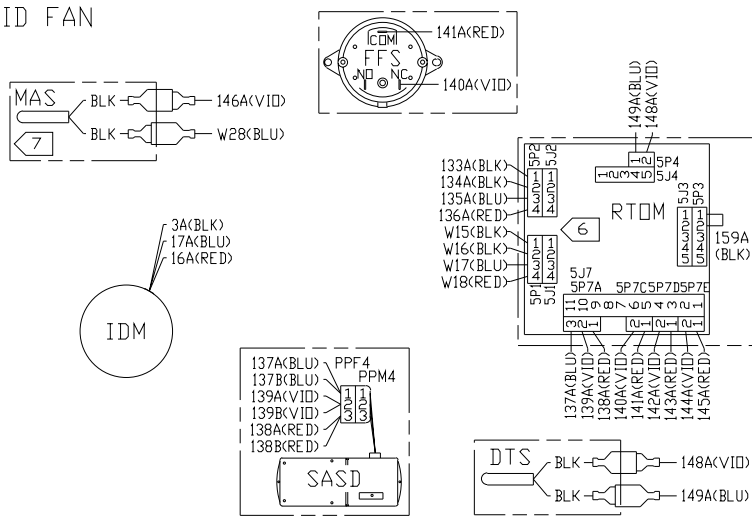
IMPORTANT!

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



4366-1541

- 4 CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH, 380V/60HZ/3PH, 575V/60HZ/3PH AND 380V-415V/50HZ/3PH UNITS. WHEN 208V/60HZ/3PH OR 460V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4(BLU) FROM THE 230V/400V/575V TERMINAL ON TNS1 TO THE 208V/460V TERMINAL.
- 5 ALL UNITS SHIP WITH AN OPTIONS HARNESS ROUTED FROM THE CONTROL PANEL TO THE ID FAN AND ECONOMIZER SECTIONS. IF NO OPTIONS ARE INSTALLED, DO NOT CONNECT THE HARNESS TO RTRM. IF COMM IS INSTALLED, CONNECT AS SHOWN. IF OPTIONS ARE INSTALLED WITHOUT COMM, CONNECT 3P4 TO 3J4 ON RTRM.
- 6 CONNECTIONS SHOWN INCLUDE OPTIONAL RTDM. IF NOT INSTALLED, CONNECT SP1 AND SP2 THROUGH GENDER CHANGER HARNESS 4366-1172-01.
- 7 OPTIONAL MAS, RAS, RHS, OHS, AND ASSOCIATED WIRING NOT USED WITH MOTORIZED OUTSIDE AIR DAMPER.



⚠ 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 SITUÉS 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.

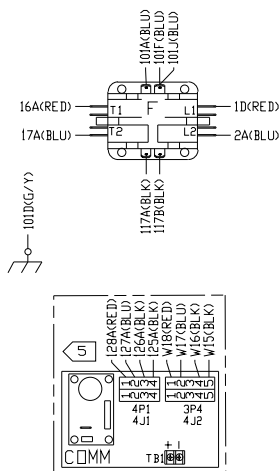
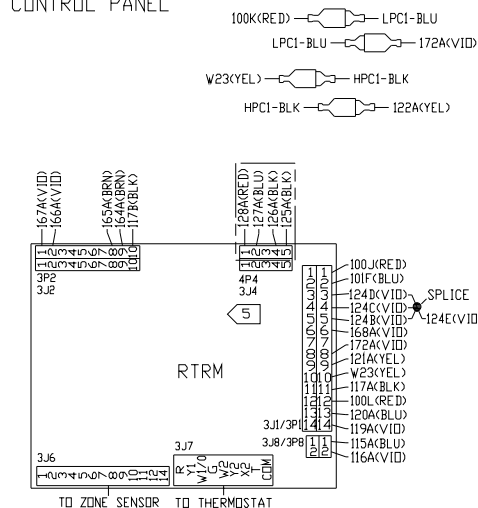
⚠ CAUTION

USE COPPER CONDUCTORS ONLY!

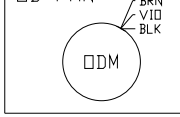
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.

FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

CONTROL PANEL



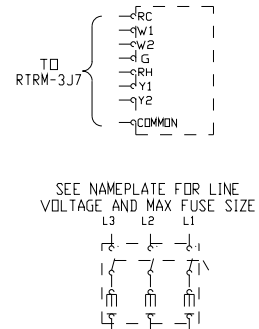
OD FAN



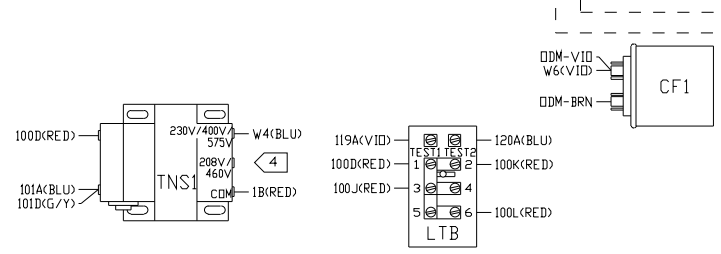
IMPORTANT!

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

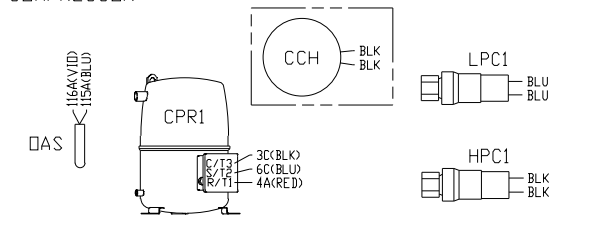
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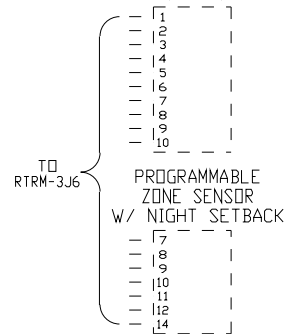
CONTROL PANEL: BOTTOM



COMPRESSOR



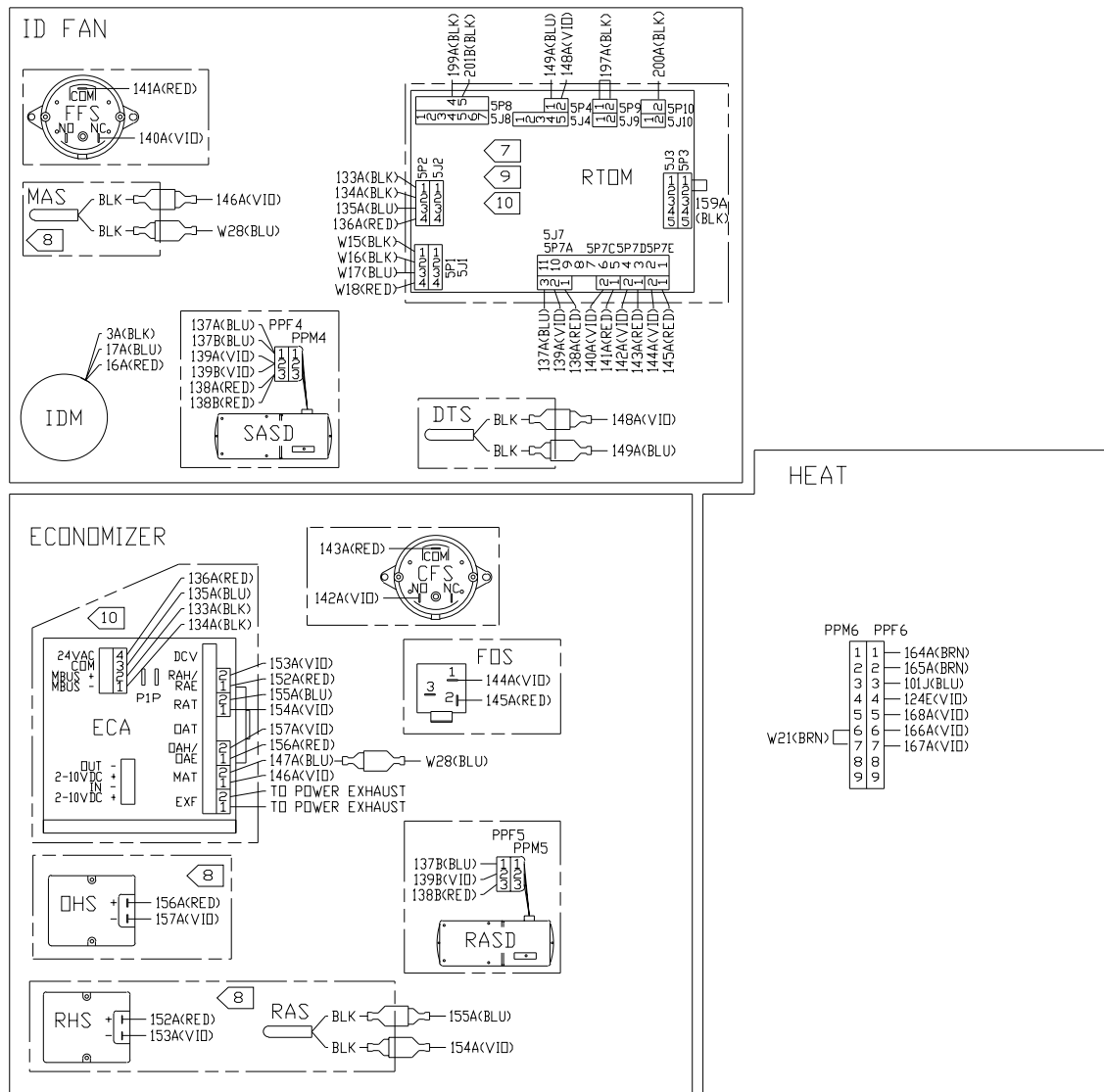
ZONE SENSOR



4366-1541C

Diagram 12
Connection Diagram - 208-230,460,575v/60hz/3ph
7.5 - 10 Ton Cooling Only / Dual Compressor
4366-1534

1. ALL WIRING AND DEVICES SHOWN DASHED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS.
2. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED WITH THIS UNIT, MUST BE REPLACED, REPLACE WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.
3. THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION. COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.
4. CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH, 380V/60HZ/3PH, 575V/60HZ/3PH OR 380V-415V/50HZ/3PH UNITS. WHEN 208V/60HZ/3PH OR 460V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4(BLU) FROM THE 230V/400V/575V TERMINAL ON TNS1 TO THE 208V/460V TERMINAL.
5. CCH2 CONDUCTORS ARE IDENTIFIED BY BROWN TAPE PLACED NEAR WIRE TERMINATIONS INSIDE CONTROL PANEL.
6. ALL UNITS SHIP WITH AN OPTIONS HARNESS ROUTED FROM THE CONTROL PANEL TO THE ID FAN AND ECONOMIZER SECTIONS. IF NO OPTIONS ARE INSTALLED, DO NOT CONNECT THE HARNESS TO THE RTM. IF CMM IS INSTALLED, CONNECT AS SHOWN. IF OPTIONS ARE INSTALLED WITHOUT CMM, CONNECT 3P4 TO 3J4 ON RTM.
7. CONNECTIONS SHOWN INCLUDE OPTIONAL RTM. IF NOT INSTALLED, CONNECT SP1 AND SP2 THROUGH GENDER CHANGER HARNESS 4366-1172-01.
8. OPTIONAL MAS, RAS, RHS, DHS, AND ASSOCIATED WIRING NOT USED WITH MOTORIZED OUTSIDE AIR DAMPER.
9. COMPONENTS SP8, SP9, SP10, NLTB, LTB 7-14, RHV, RTM AND ASSOCIATED WIRING ARE PRESENT ONLY WITH DEHUMIDIFICATION OPTION.
10. SEE C02 & VENT. OVERRIDE ACCESSORY DIAGRAM 4366-1003 FOR ADDITIONAL WIRING.
11. CUT AND ISOLATE WIRE 124(B(VID) IF DEHUMIDIFICATION OPTION IS INSTALLED.



⚠ 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'EXECUTER
L'ENTRETIEN.

FAUTE DE DECONNECTER LA SOURCE
ELECTRIQUE AVANT D'EXECUTER
L'ENTRETIEN PEUT ENTRAINER DES BLESSURES
CORPORELLES SEVERES OU LA MORT.

⚠ CAUTION

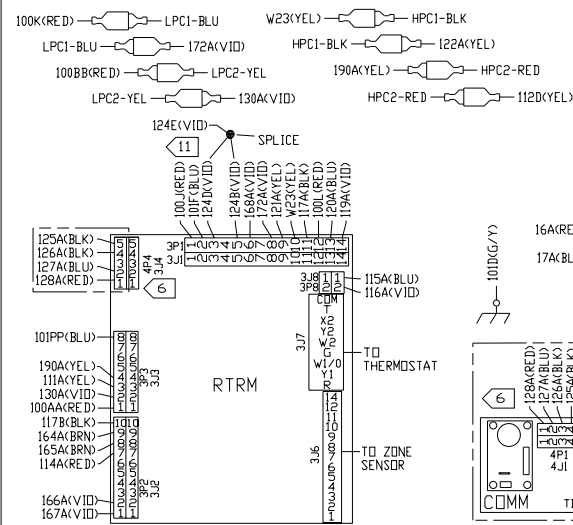
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED
TO ACCEPT OTHER TYPES OF
CONDUCTORS.

FAILURE TO DO SO MAY CAUSE
DAMAGE TO THE EQUIPMENT.

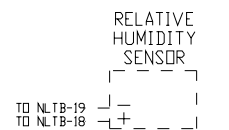
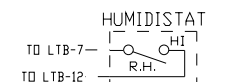
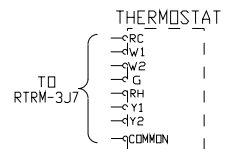
IMPORTANT!

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

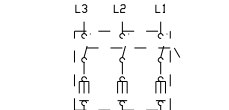
CONTROL PANEL



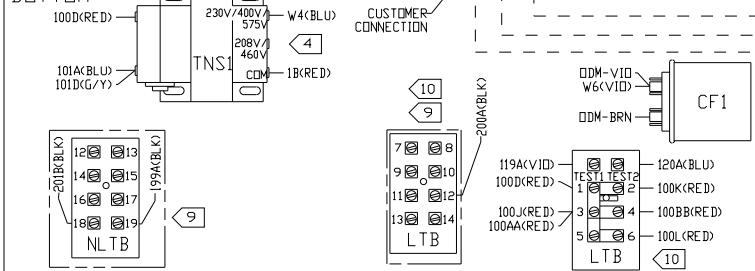
OD FAN



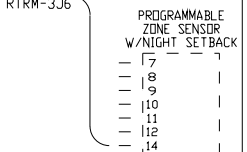
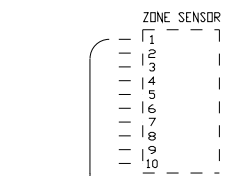
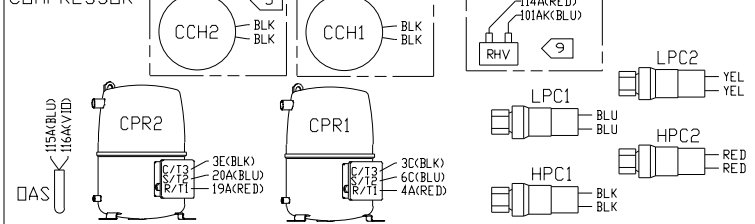
SEE NAMEPLATE FOR LINE
VOLTAGE AND MAX FUSE SIZE



CONTROL PANEL: BOTTOM

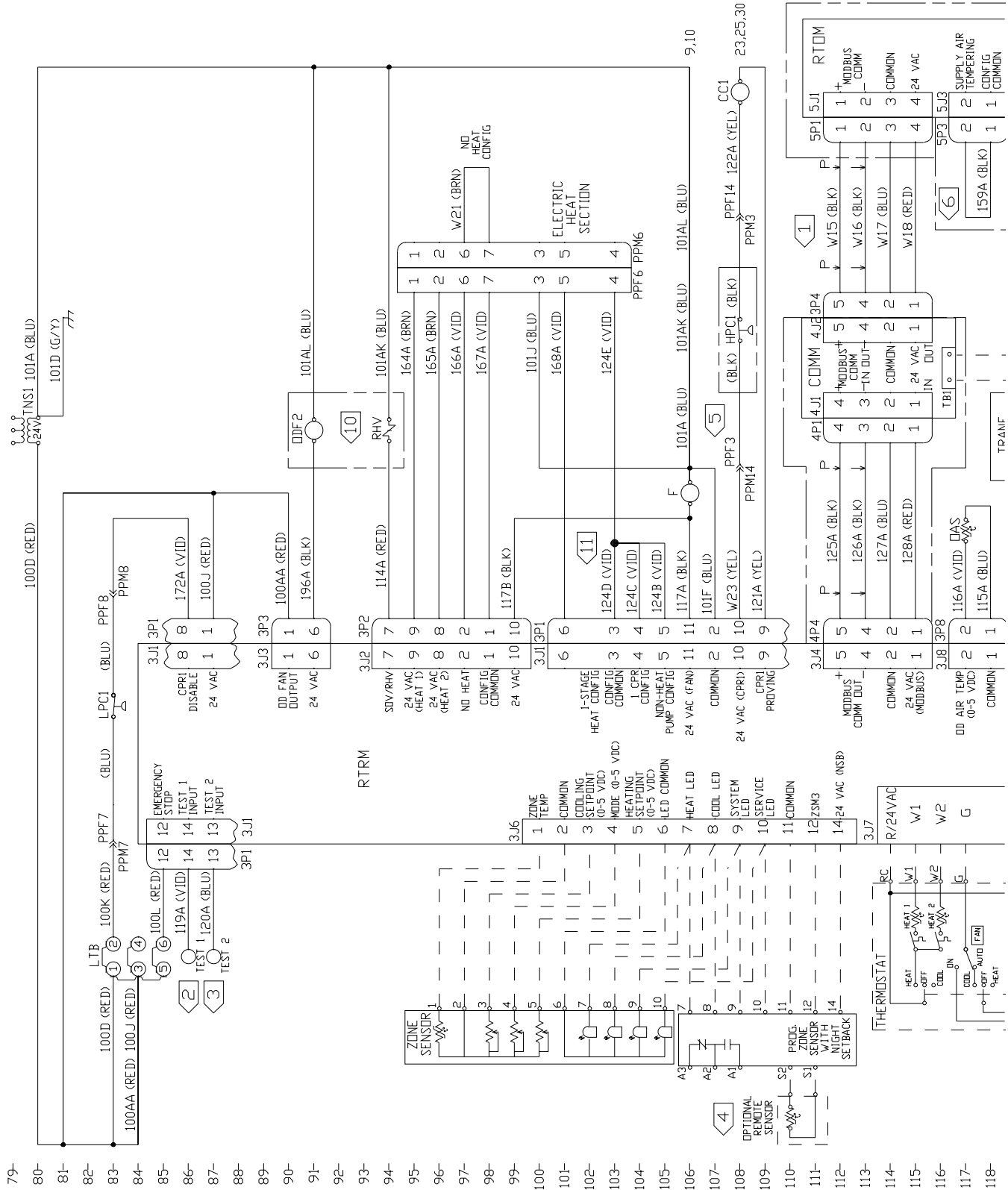


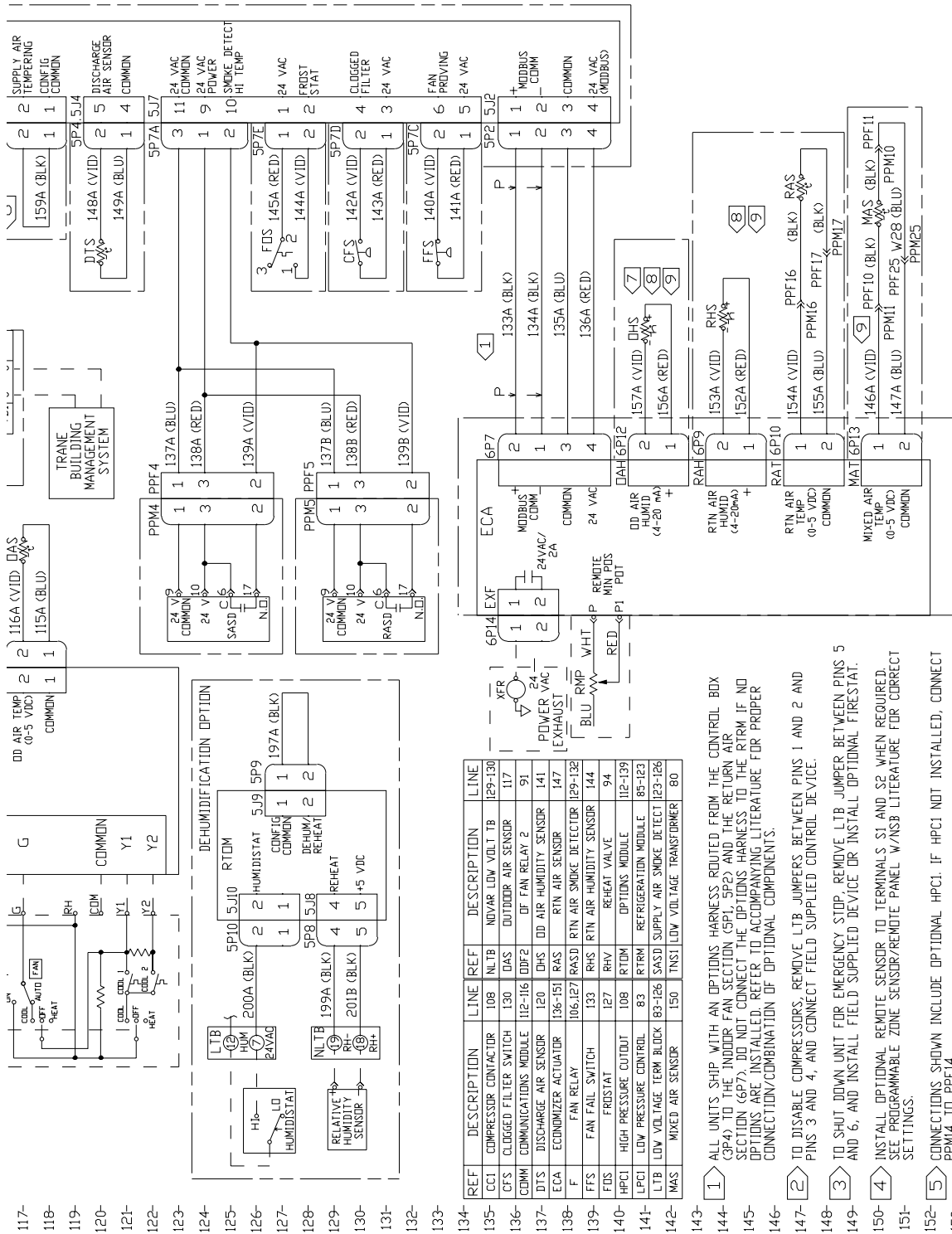
COMPRESSOR



4366-1534E

Diagram 13
Control Diagram
2 - 7.5 Ton Cooling Only
4366-1026



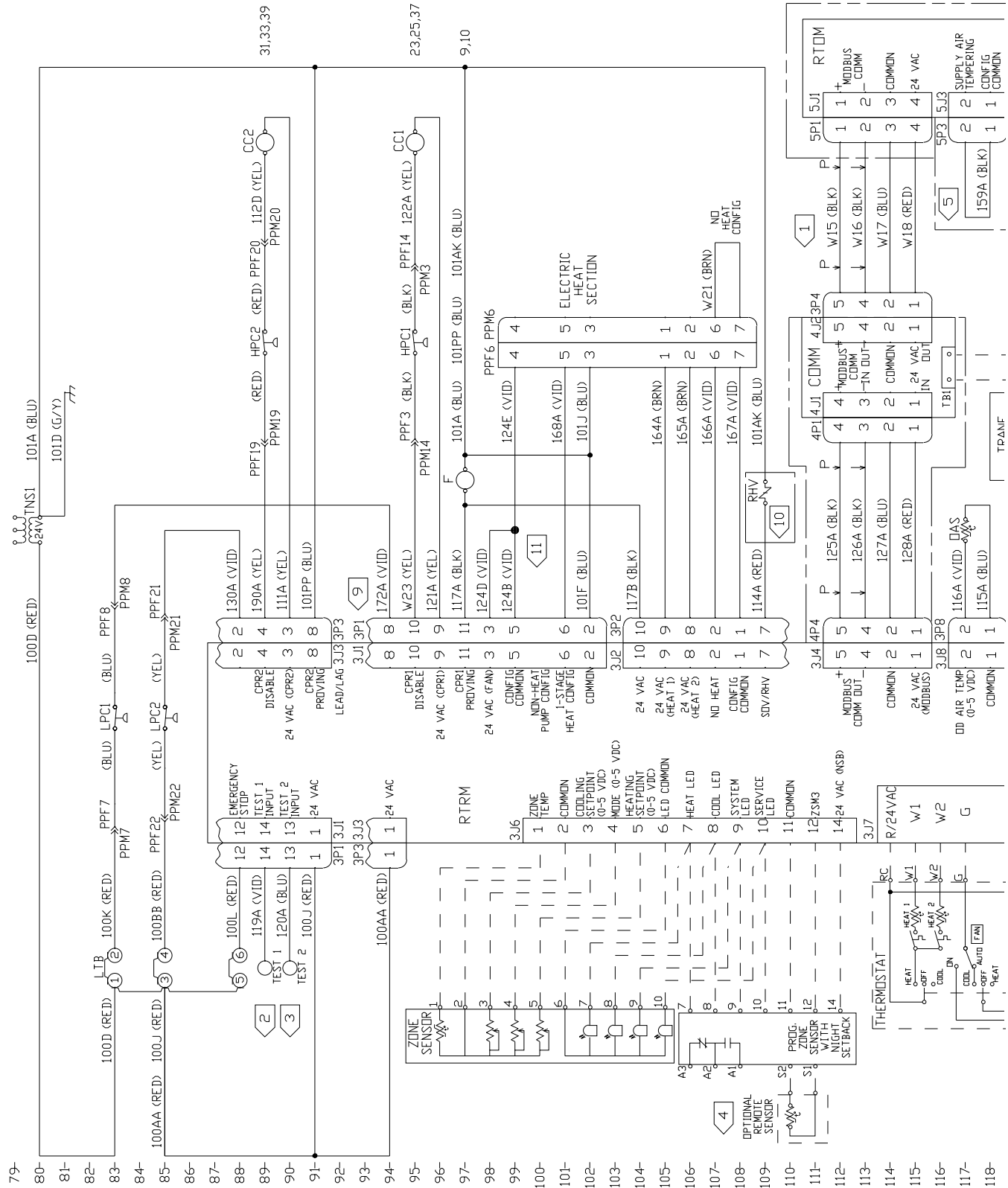


10 3P3, DDF2, RHV, AND ASSOCIATED WIRING ARE NOT PRESENT IF DEHUMIDIFICATION OPTION IS NOT INSTALLED.

11 CUT AND ISOLATE WIRE 124K(V/D) IF DEHUMIDIFICATION OPTION IS INSTALLED.

4366-1026H

Diagram 14
Control Diagram
7.5 - 10 Ton Cooling Only / Dual Compressor
4366-1044



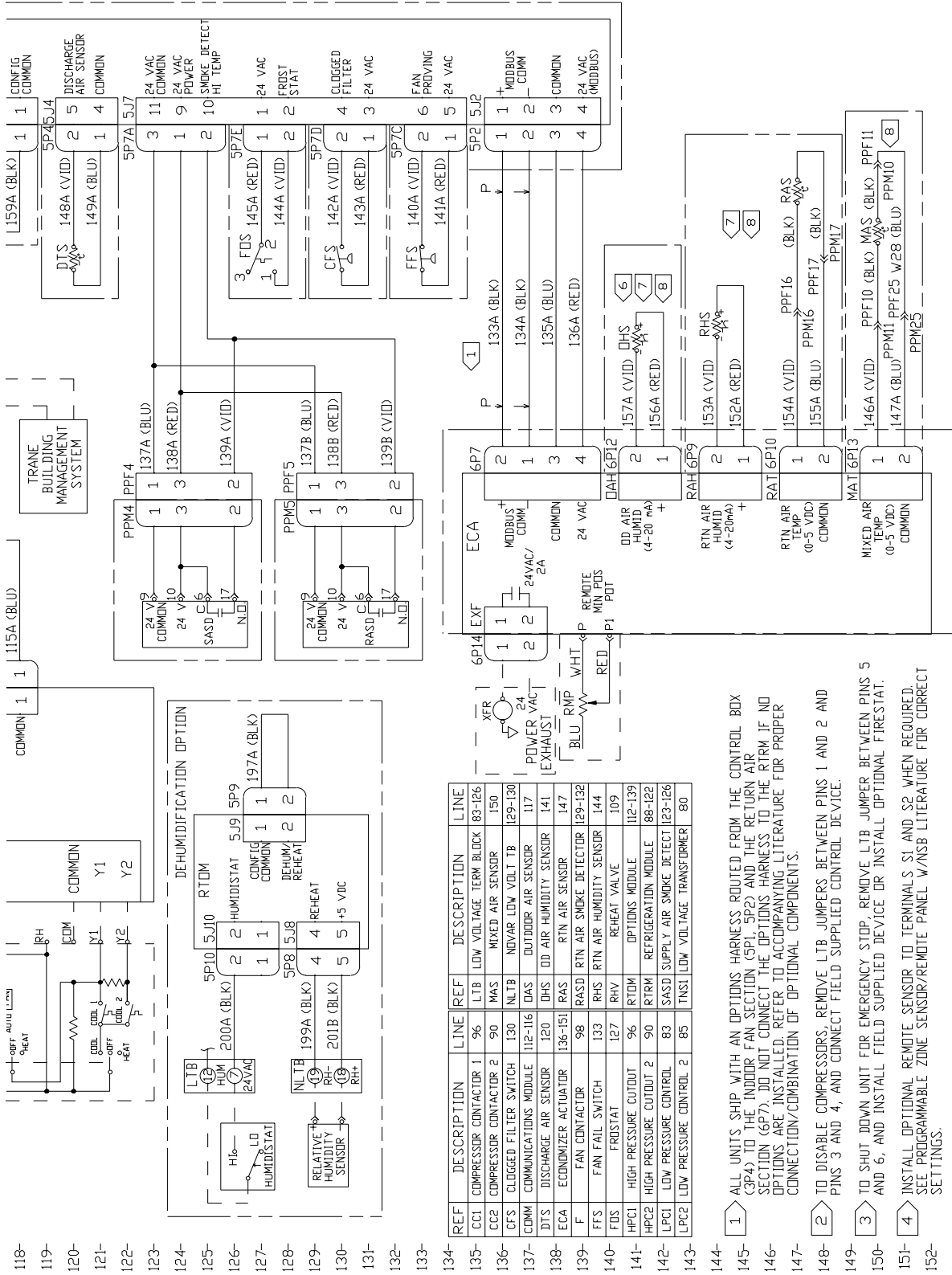
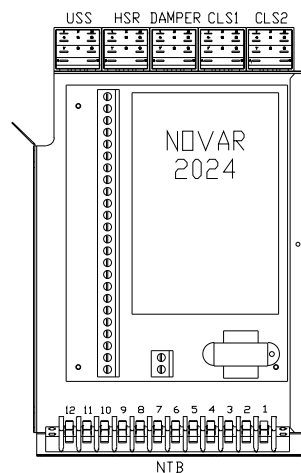
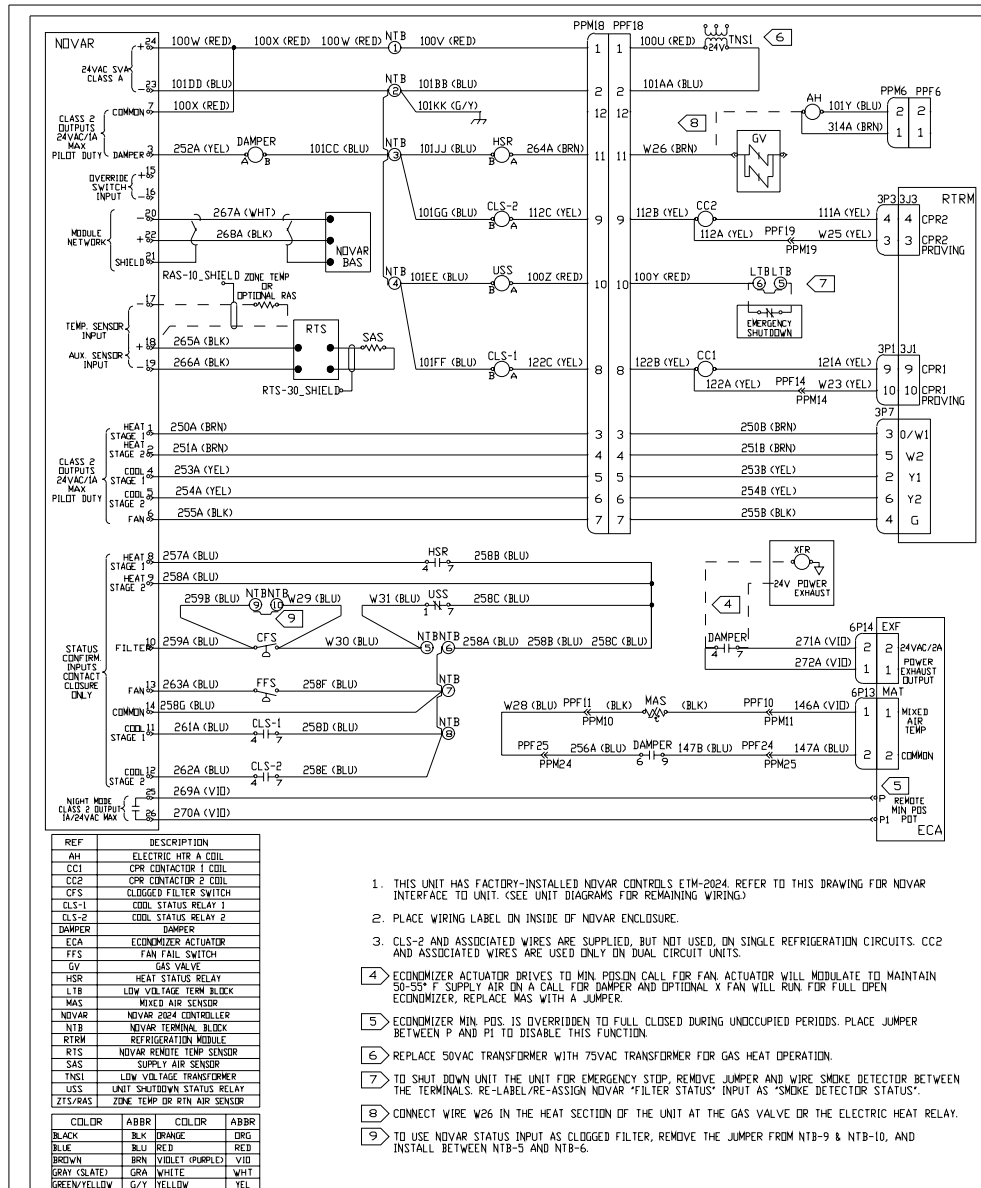
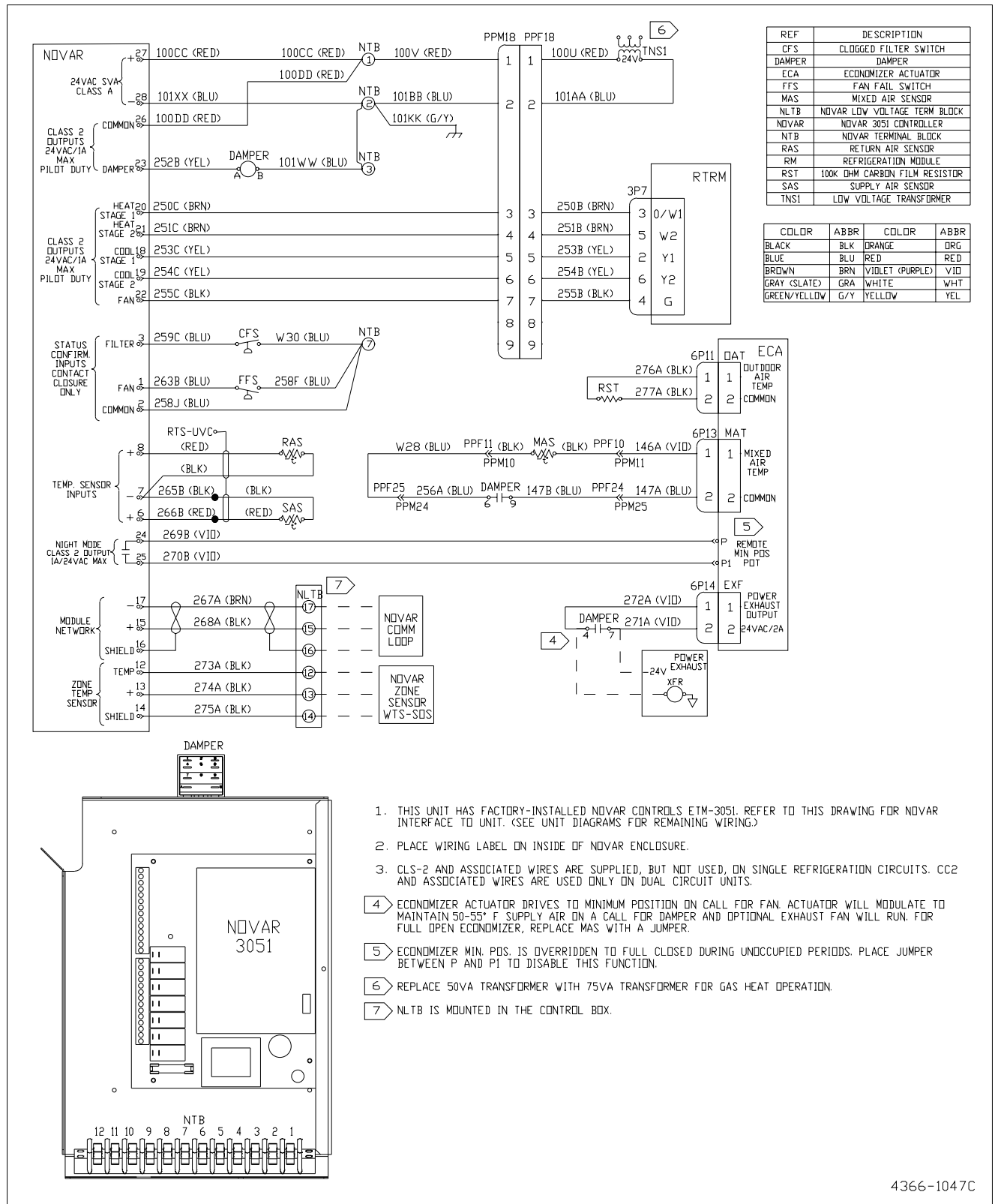


Diagram 15
Novar Schematic -
2024



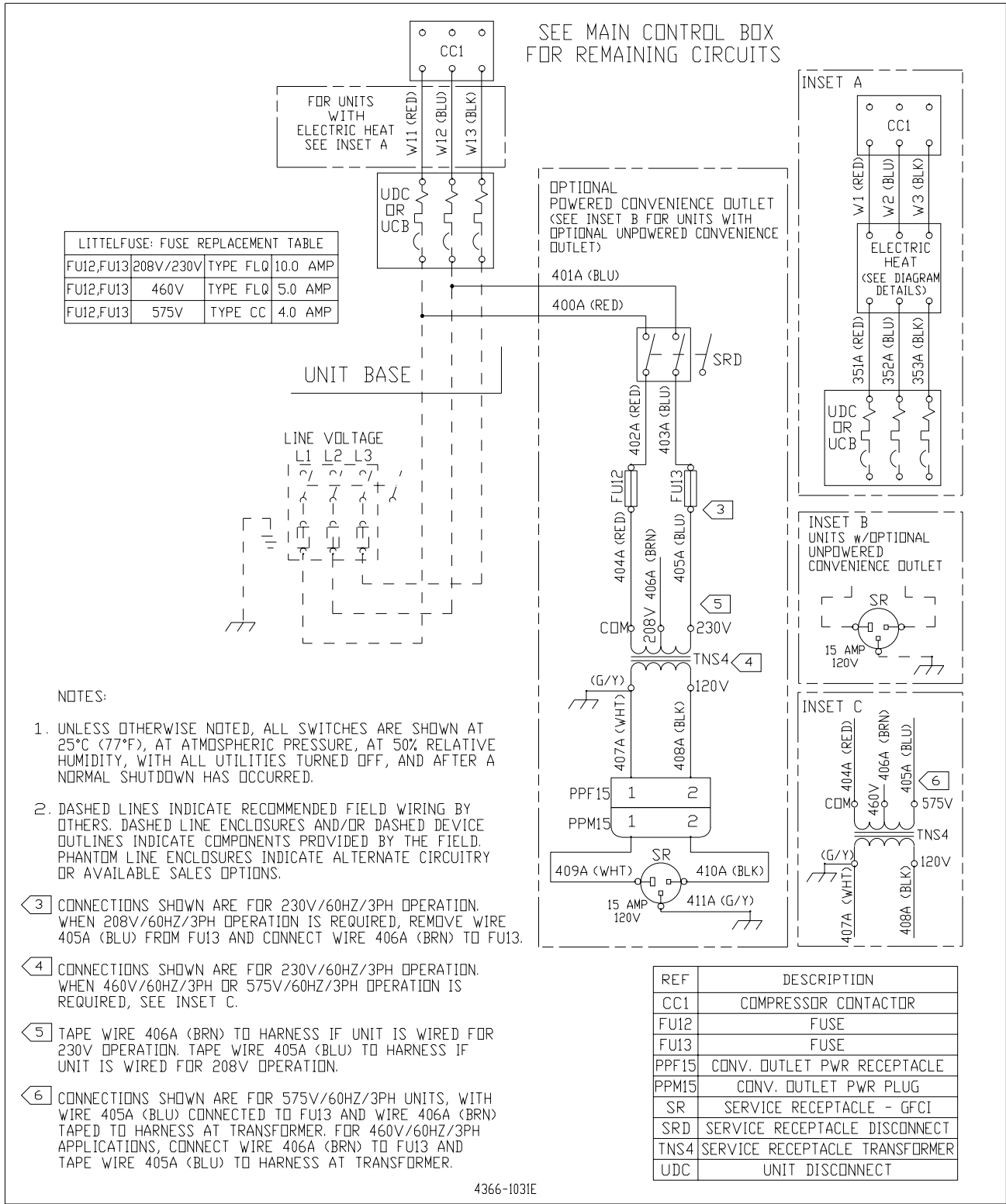
4366-1099B

Diagram 16
Novar Schematic -
3051



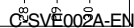
4366-1047C

Diagram 17
Through The Base Utilities Schematic -





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T_C-SVE002A-EN



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T_C-SVE002A-EN



T C-SVE002A-EN

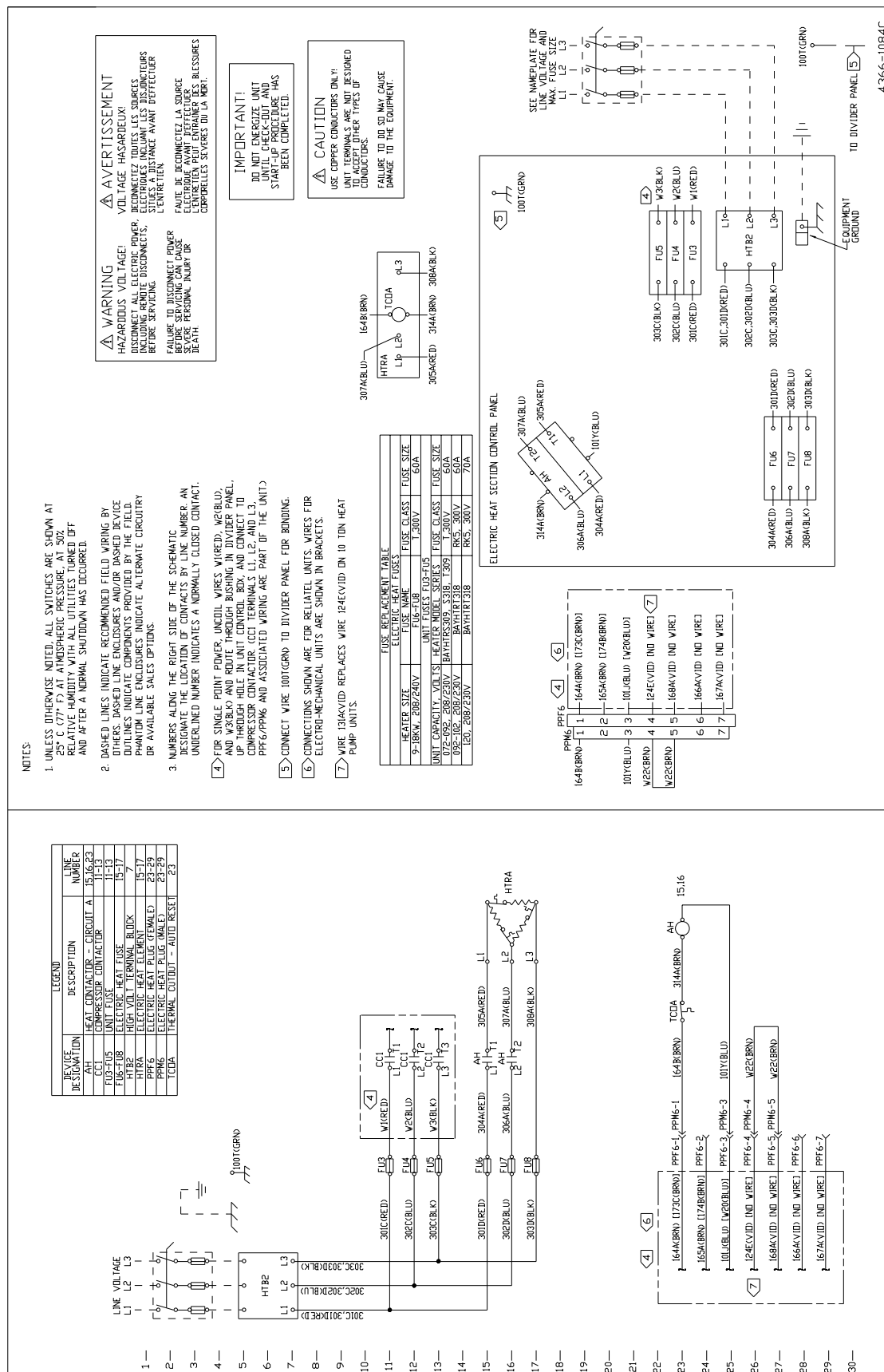


Diagram 25
12.0 & 17.4 KW - 208-240v/60hz/3ph
BAYHTRR312A, BAYHTRR318A

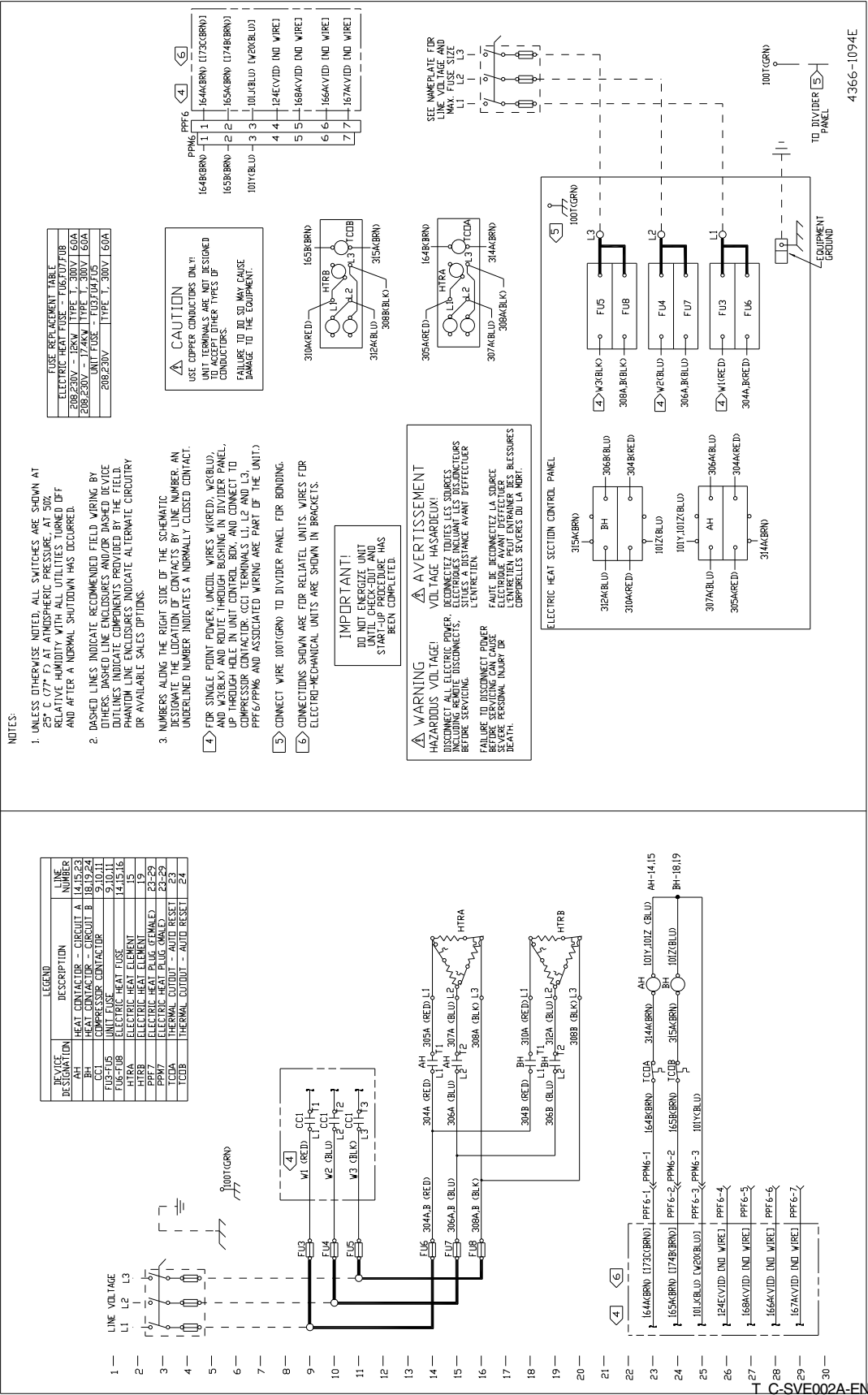
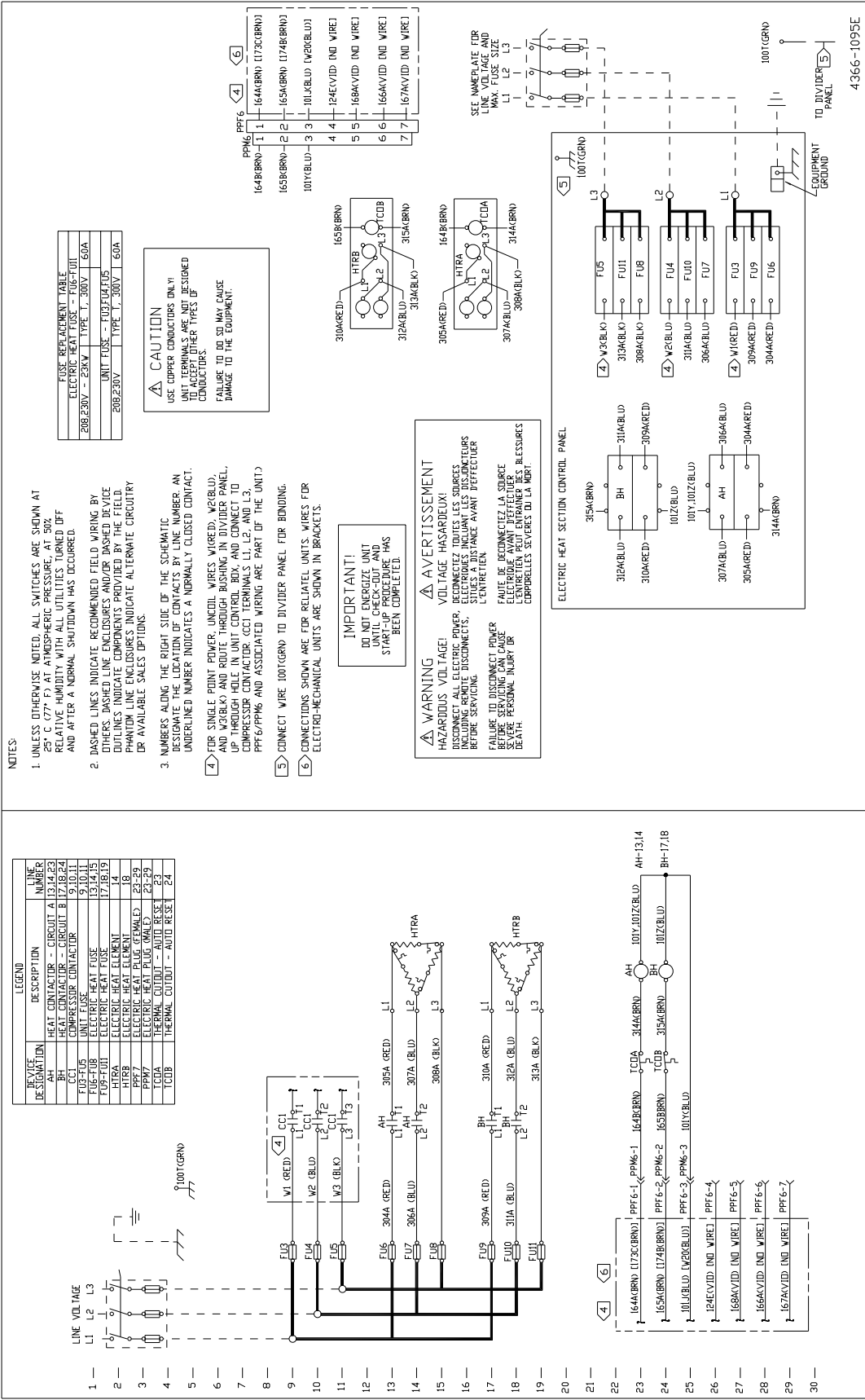


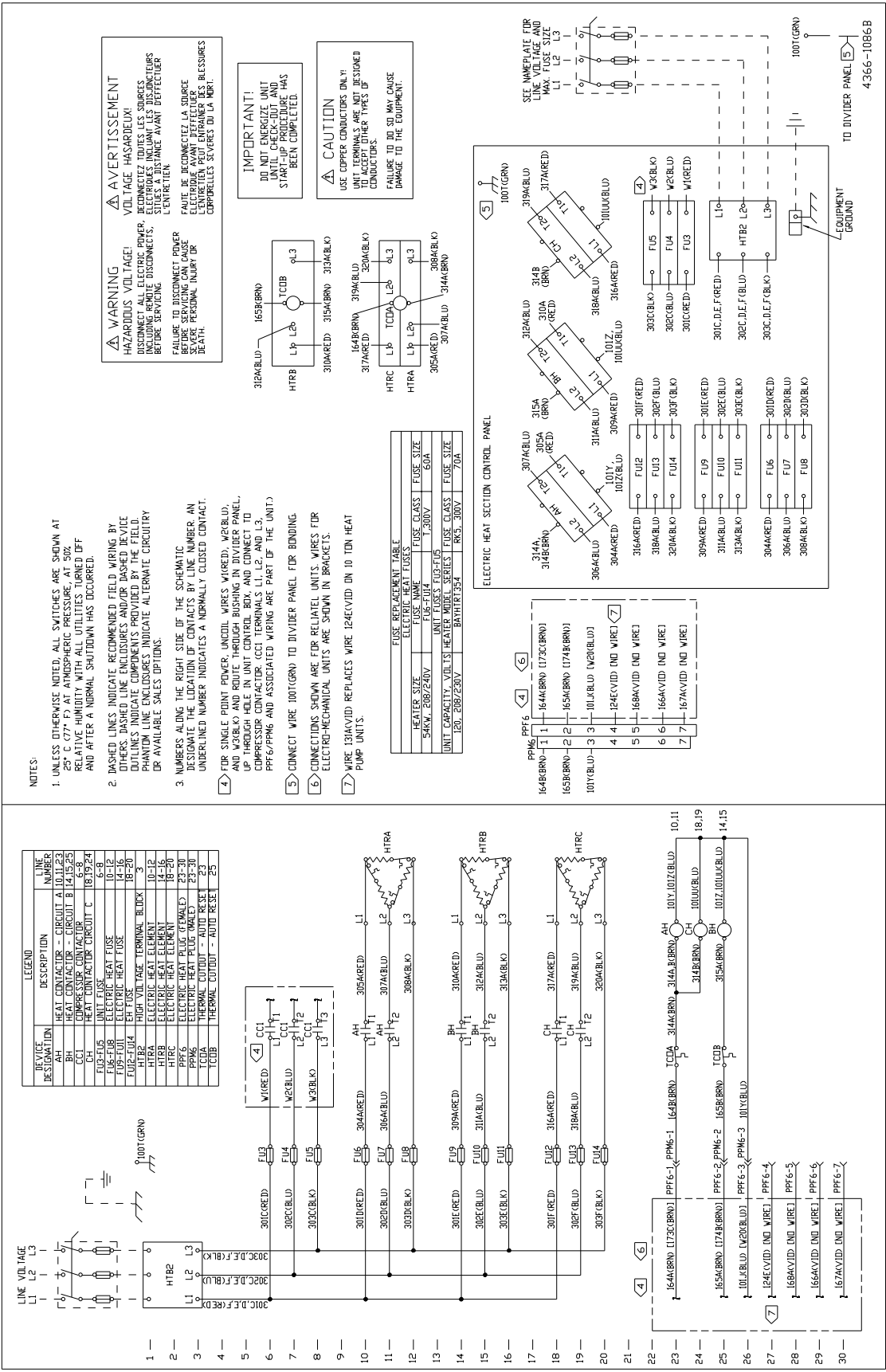
Diagram 26
23.0 KW - 208-240v/60hz/3ph
BAYHTRR323A



46



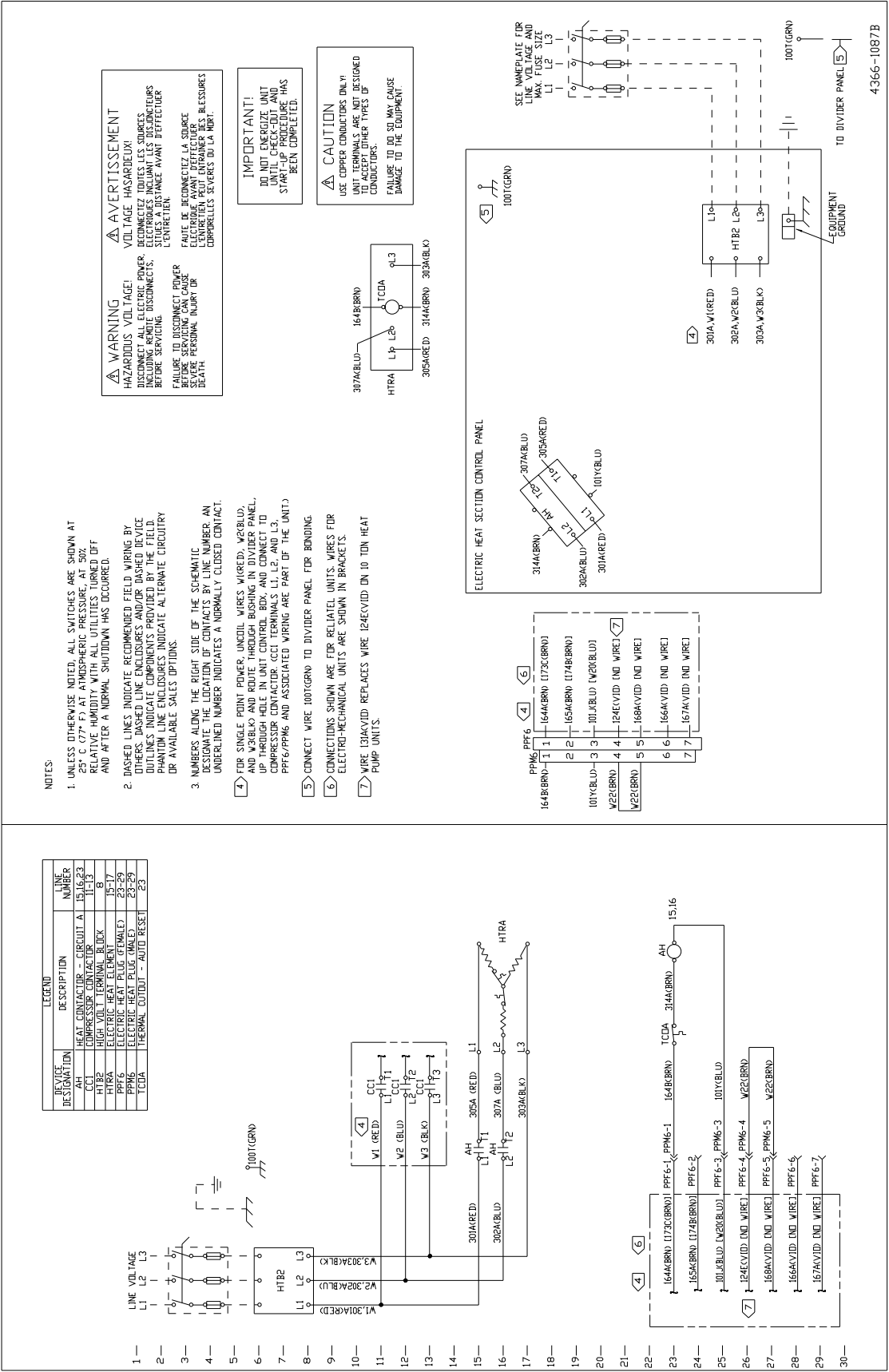
Diagram 28
54.0 KW - 208-240v/60hz/3ph
BAYHTRT354A



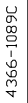
48



Diagram 30
12.0, 17.4 & 23.0 KW - 480-600v/60hz/3ph
BAYHTRR412A, BAYHTRR418A,
BAYHTRR423A
BAYHTRRW12A, BAYHTRRW18A,
BAYHTRRW23A



**BAYHTRS427A, BAYHTRT427A, BAYHTRSW27A,
BAYHTRTW27A, BAYHTRS436A, BAYHTRT436A,
BAYHTRSW36A, BAYHTRTW36A** [REDACTED]



T C-SVE002A-EN





Literature Order Number	T_C-SVE002A-EN
File Number	SV-UN-T_C-SVE002A-EN 11/03
Supersedes	New
Stocking Location	Webb Mason

The manufacturer has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.