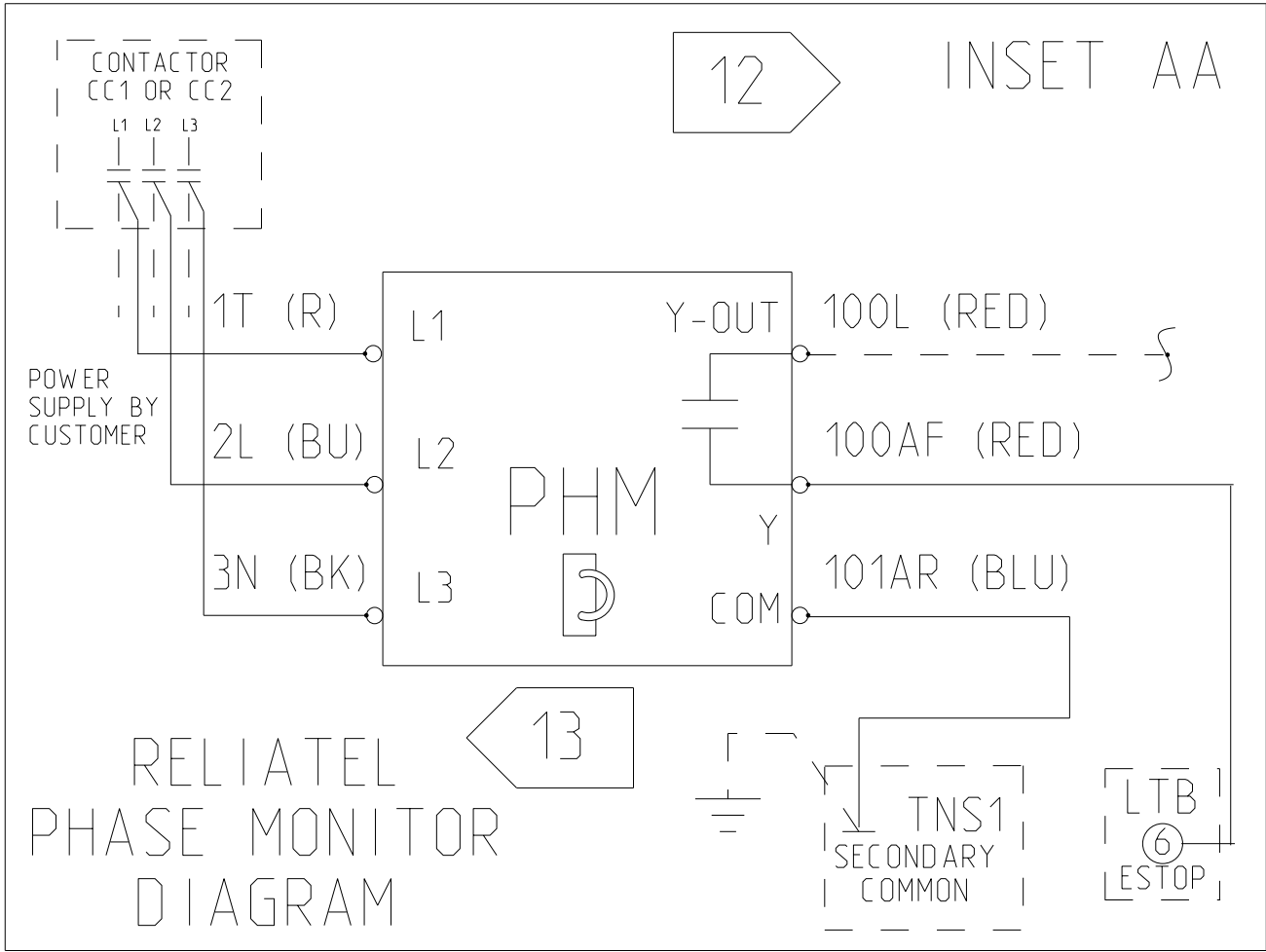
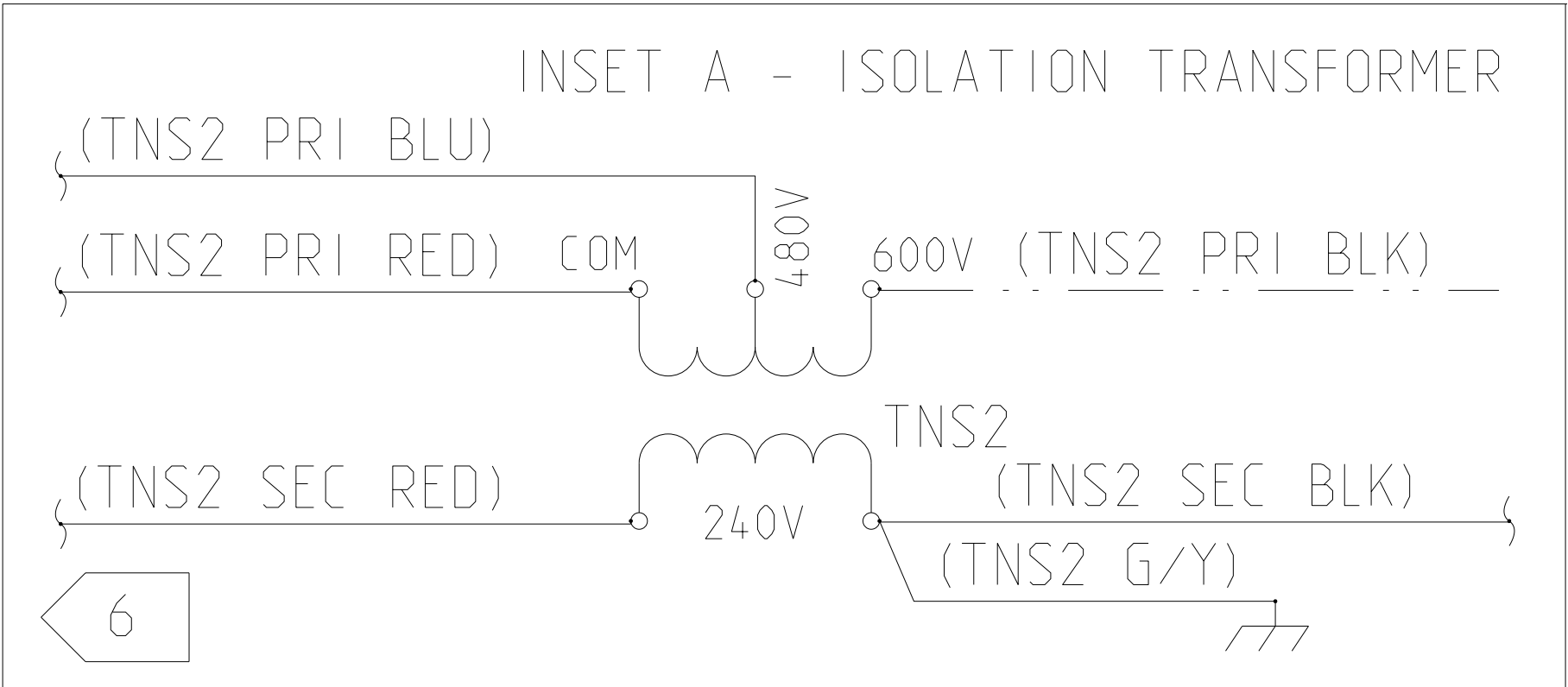
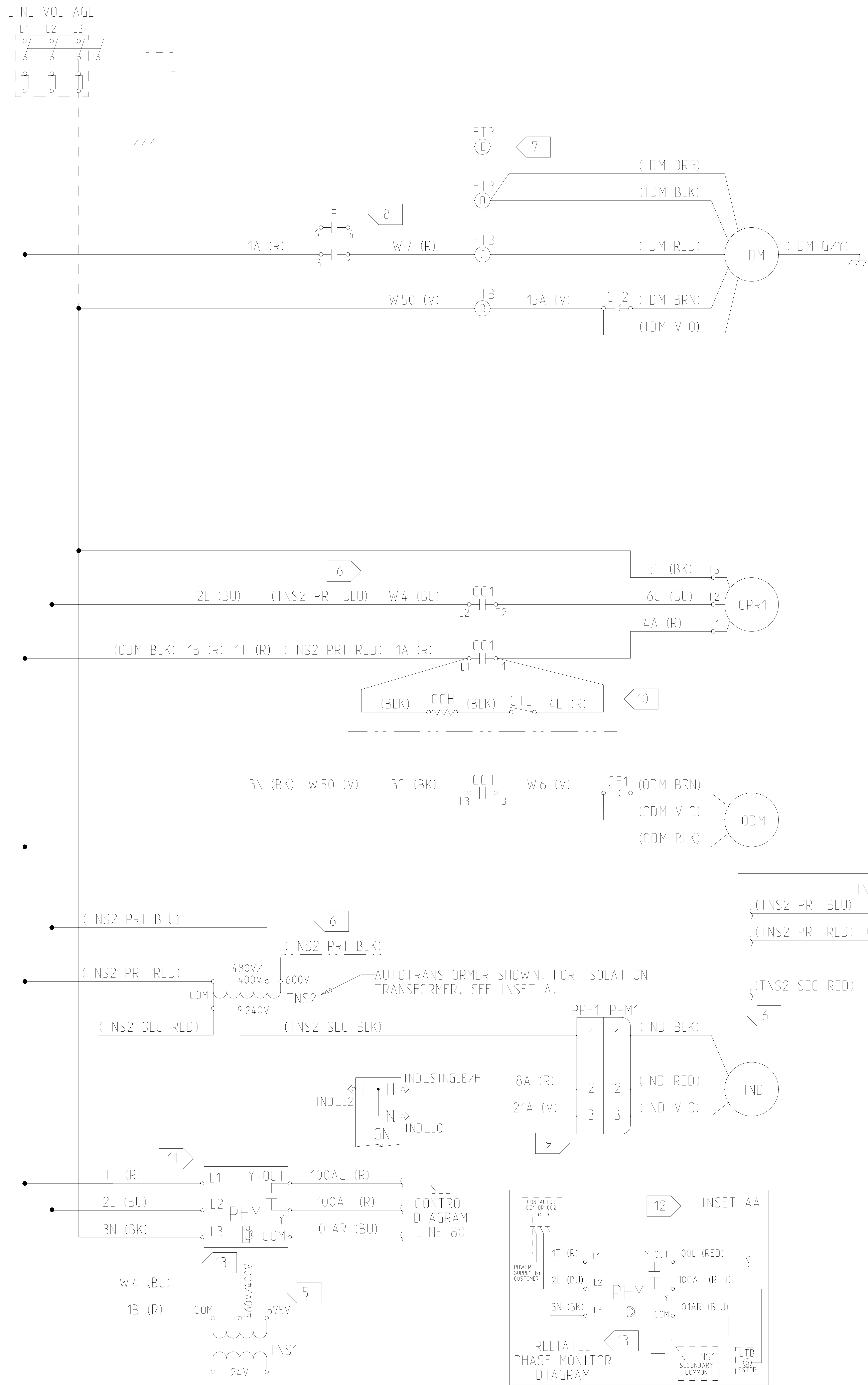




REF	DESCRIPTION	LINE
CC1	COMPRESSOR CONTACTOR	23,25,30
CCH	CRANKCASE HEATER	27
CF1	OD MOTOR CAPACITOR	30
CF2	ID MOTOR CAPACITOR	12
CPR1	COMPRESSOR	23
CTL	COIL TEMP LIMIT SWITCH	27
F	FAN RELAY	10
FTB	ID FAN TERMINAL BLOCK	6,8,10,12
IDM	ID FAN MOTOR	10
IGN	IGNITION MODULE	41
IND	INDUCER MOTOR	41
ODM	OD FAN MOTOR	31
PHM	PHASE MONITOR	44
TNS1	LOW VOLTAGE TRANSFORMER	49
TNS2	INDUCER AUTOTRANSFORMER	37

COLOR	ABBR	COLOR	ABBR
BLACK	BK	ORANGE	O
BLUE	BU	RED	R
BROWN	BR	VIOLET (PURPLE)	V
GRAY (SLATE)	GY	WHITE	W
GREEN/YELLOW	G/Y	YELLOW	Y

- 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.
- 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.
- NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER, AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT.
- 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 380V/60HZ/3PH AND 460V/60HZ/3PH UNITS. WHEN 575V/60HZ/3PH OPERATION IS REQUIRED, REMOVE WIRE (TNS2 PRI BLU) FROM CC1-L2 AND CONNECT WIRE (TNS2 PRI BLK) TO CC1-L2.

7 CONNECTIONS SHOWN ARE FOR LOW SPEED OPERATION. WHEN HIGH SPEED OPERATION IS REQUIRED, MOVE WIRE (IDM ORG) FROM FTB-D TO FTB-E AND MOVE WIRE W7(RED) FROM FTB-C TO FTB-D.

8 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.

9 (FUTURE) CONNECTIONS SHOWN ARE FOR DUAL-STAGE GAS HEAT OPERATION. IF SINGLE-STAGE OPERATION IS REQUIRED, WIRE 21A(VIO) IS NOT CONNECTED TO IGN AND WIRE (IND VIO) IS NOT PRESENT.

10 CONNECTIONS SHOWN ARE FOR 460V/60HZ/3PH AND 575V/60HZ/3PH UNITS. FOR 380V/60HZ/3PH UNITS, CCH, CTL, AND WIRE 4E(RED) ARE NOT PRESENT.

11 (FUTURE) PHASE MONITOR CONNECTIONS SHOWN ARE FOR ELECTRO-MECHANICAL CONTROLS. FOR RELIATEL CONTROLS, SEE INSET AA.

12 PHASE MONITOR CONNECTIONS FOR RELIATEL CONTROLS, MOVE 100L(R) FROM LTB1-6 TO PHM Y-OUT. CONNECT 100AF TO LTB1-6. CONNECT 101AR TO TNS1 SECONDARY COM AND 100AG(R) IS NOT USED.

13 CUT JUMPER FOR 50 HZ.

⚠ WARNING

HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS AND FOLLOW LOCK OUT AND TAG PROCEDURES BEFORE SERVICING. INSURE THAT ALL MOTOR CAPACITORS HAVE DISCHARGED STORED VOLTAGE. UNITS WITH VARIABLE SPEED DRIVE, REFER TO DRIVE INSTRUCTIONS FOR CAPACITOR DISCHARGE.

FAILURE TO DO THE ABOVE BEFORE SERVICING COULD RESULT IN DEATH OR SERIOUS INJURY.

⚠ AVERTISSEMENT

TENSION DANGEREUSE!
COUPER TOUTES LES TENSIONS ET OUVRIR LES SECTIONNEURS À DISTANCE. PUIS SUIVRE LES PROCÉDURES DE VERROUILLAGE ET DES ÉTIQUETTES AVANT TOUTE INTERVENTION. VÉRIFIER QUE TOUTS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRAÎNEMENTS À VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DÉCHARGER LES CONDENSATEURS.

NE PAS RESPECTER CES MESURES DE PRÉCAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.

⚠ ADVERTENCIA

¡VOLTAJE PELIGROSO!
DESCONECTE TODA LA ENERGÍA ELÉCTRICA, INCLUIDO LAS DESCONEXIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGÚRESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON EJE DE DIRECCIÓN DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR.

EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRÍA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.

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.

ATTENTION

N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!

LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS.

L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'EQUIPEMENT.

PRECAUCIÓN

¡UTILICE ÚNICAMENTE CONDUCTORES DE COBRE!

LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES.

SI NO LO HACE, PUEDE OCASIONAR DAÑO AL EQUIPO.

IMPORTANT

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

TRANS

A DIVISION OF TRANE

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DRAWN BY: K. VICKMOR-K © DATE: 23Aug2000

SIMILAR TO:

DO NOT SCALE PRINT

THIRD ANGLE PROJECTION

4366-1011

DIAGRAM

POWER - GAS HEAT, 3-5 TON, 380V-60HZ/460V/575V PWR, 0SZ-DD IDM

K

P.O/E		TRANE TRANE COMPANY		4366-1011	K
P.O. DIVISION OF AIR-CONDITIONING & REFRIGERATION OF STELA (PUBLISHING & REPRODUCTION) AND SHALL NOT BE REPRODUCED OR ITS CONTENTS BE REPRODUC					

REF DES	ENTRY_PORT	PIN NAME	MODEL NAME
CC1	L1	L1	T8D
CC1	L2	L2	T8D
CC1	L3	L3	T8D
CC1	T1	T1	T8D
CC1	T2	T2	T8D
CC1	T3	T3	T8D
CCH	LT	LT	T8D
CCH	RT	RT	T8D
CF1	LT	1	T8D
CF1	LT	LT	T8D
CF1	RT	RT	T8D
CF2	LT	1	X1301-0189_26
CF2	LT	LT	X1301-0189_26
CF2	RT	RT	X1301-0189_26
CPR1		T1	T8D
CPR1		T2	T8D
CPR1		T3	T8D
CTL	LT	LT	X1310-0055_03
CTL	RT	RT	X1310-0055_03
F	1	2	PU_9100-403042
F	3	1	PU_9100-403042
FTB		E_LEFT	X1349-0338_01
FTB		E_RIGHT	X1349-0338_01
FTB	B	B_LEFT	X1349-0338_01
FTB	B	B_RIGHT	X1349-0338_01
FTB	C	C_LEFT	X1349-0338_01
FTB	C	C_RIGHT	X1349-0338_01
FTB	D	D_LEFT	X1349-0338_01
FTB	D	D_RIGHT	X1349-0338_01
IDM		1	T8D
IDM		2	T8D
IDM		3	T8D
IDM		4	T8D
IDM		5	T8D
IDM		6	T8D
IGN	IND_L2	1	T8D
IGN	IND_LD	3	T8D
IGN	IND_SINGLE	4	T8D
IND		1	T8D
IND		2	T8D
IND		3	T8D
IND		4	T8D
IND		5	T8D
IND		6	T8D
ODM		1	T8D
ODM		2	T8D
ODM		3	T8D
ODM		4	T8D
ODM		5	T8D
ODM		6	T8D
PHM		PHM_COM	PHM
PHM		PHM_L1	PHM
PHM		PHM_L2	PHM
PHM		PHM_L3	PHM
PHM		PHM_Y	PHM
PHM		PHM_Y-OUT	PHM
TNS1		X1	X1355-0228_04
TNS1		X2	X1355-0228_04
TNS1		H1	X1355-0228_04
TNS1		H2	X1355-0228_04
TNS1		H3	X1355-0228_04
TNS2	H1	H1	T8D
TNS2	H2	H2	T8D