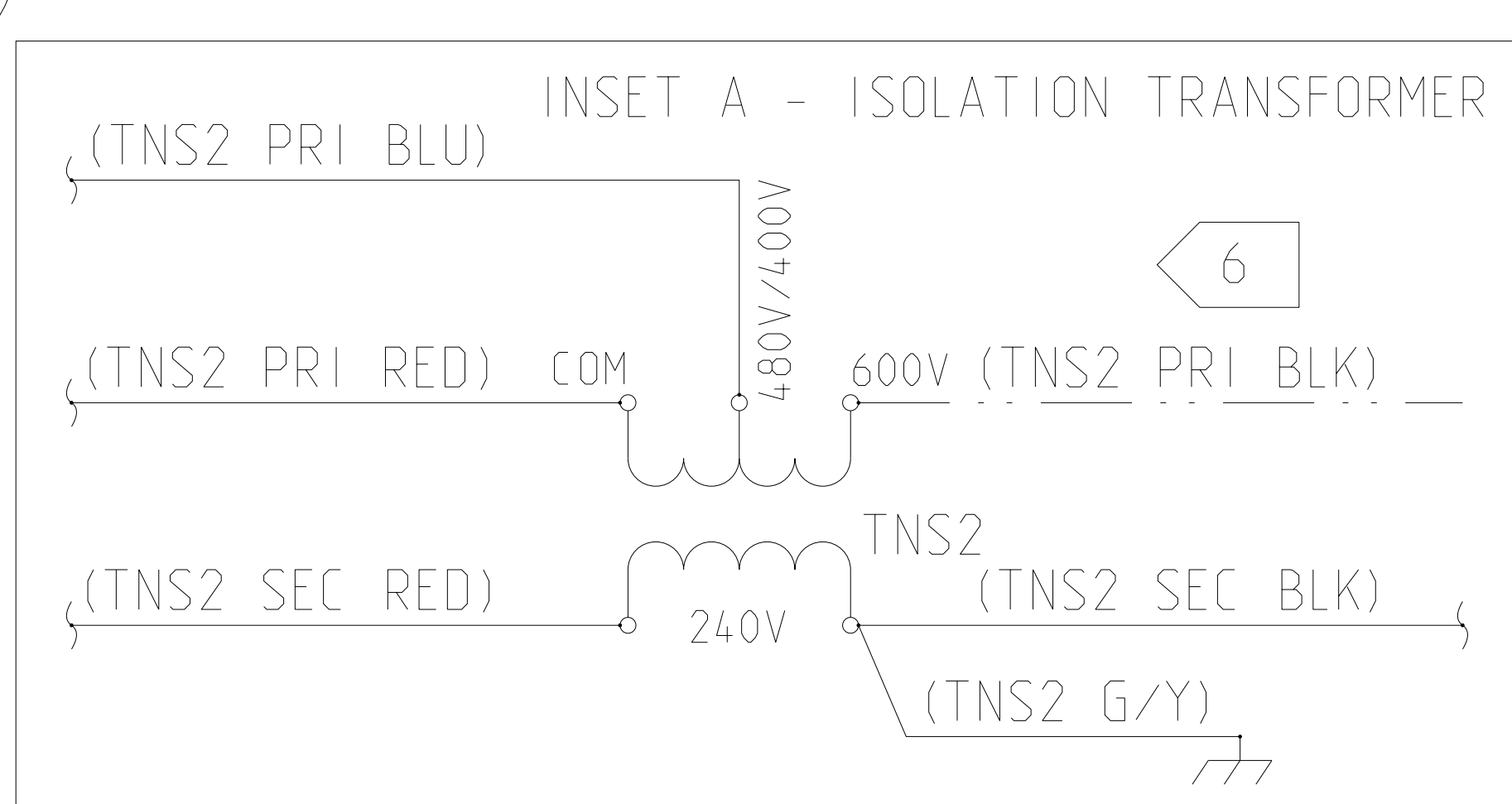
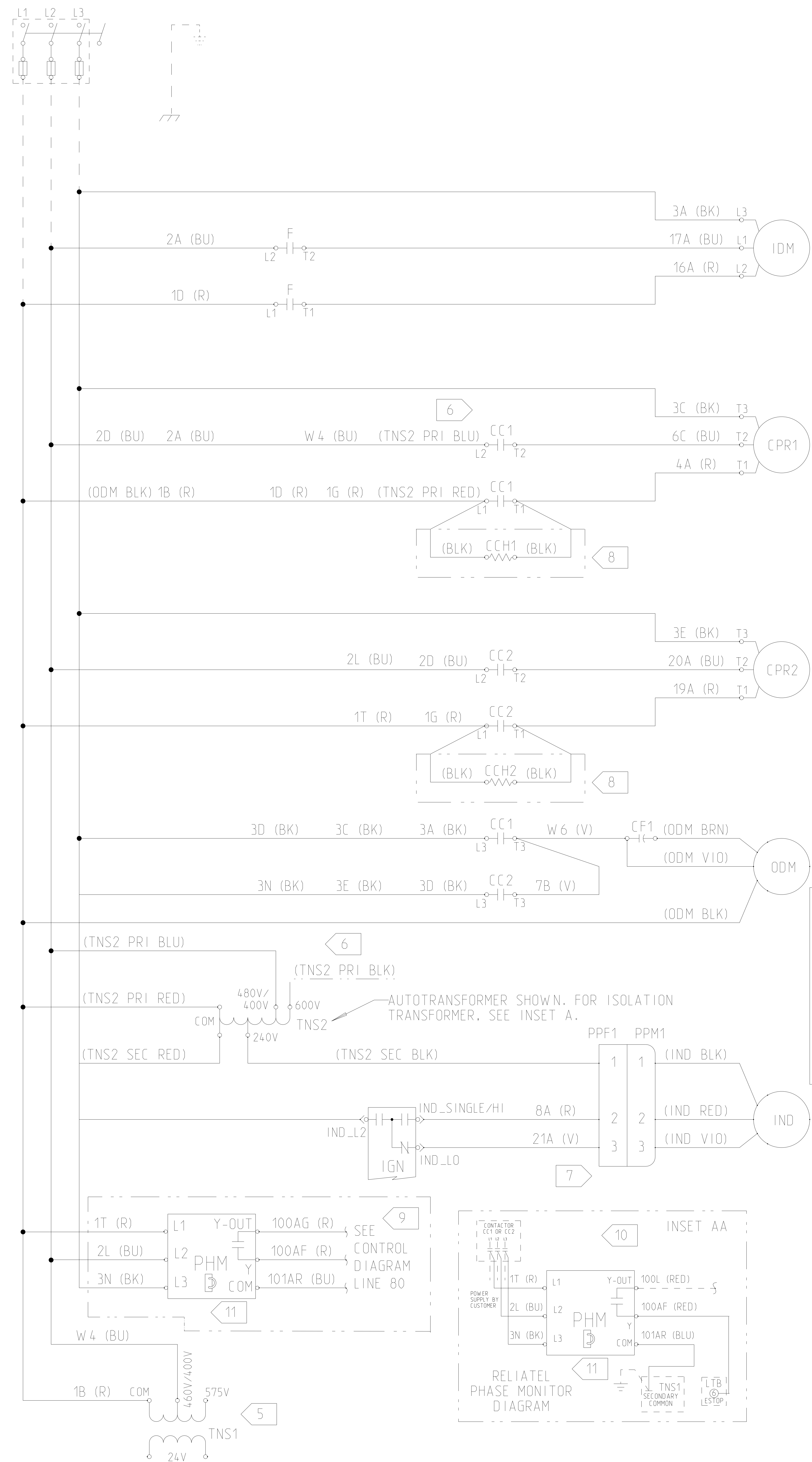


LINE VOLTAGE



REF	DESCRIPTION	LINE
CC1	COMPRESSOR CONTACTOR 1	17,19,31
CC2	COMPRESSOR CONTACTOR 2	25,27,33
CCH1	CRANKCASE HEATER 1	21
CCH2	CRANKCASE HEATER 2	29
CF1	OD FAN CAPACITOR	31
CPR1	COMPRESSOR 1	17
CPR2	COMPRESSOR 2	25
F	FAN CONTACTOR	10,12
IDM	ID FAN MOTOR	10
IGN	IGNITION MODULE	41
IND	INDUCER MOTOR	41
ODM	OD FAN MOTOR	32
PHM	PHASE MONITOR	44
TNS1	LOW VOLTAGE TRANSFORMER	50
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.
- CONNECTIONS SHOWN ARE FOR 380-415V/50HZ/3PH, 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.
- CONNECTIONS SHOWN ARE FOR 380-415V/50HZ/3PH, 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.
- CONNECTIONS SHOWN ARE FOR DUAL-STAGE GAS HEAT OPERATION. WHEN SINGLE-STAGE GAS HEAT OPERATION IS REQUIRED, WIRE 21A(VIO) IS NOT CONNECTED TO IGN, AND WIRE (IND VIO) IS NOT PRESENT.
- CONNECTIONS SHOWN ARE FOR 460V/60HZ/3PH AND 575V/60HZ/3PH UNITS. FOR 380-415V/50HZ/3PH AND 380V/60HZ/3PH UNITS, CCH1 AND CCH2 ARE NOT PRESENT.
- (FUTURE) PHASE MONITOR CONNECTIONS SHOWN ARE FOR ELECTRO-MECHANICAL CONTROLS. FOR RELIATEL CONTROLS, SEE INSET AA.
- PHASE MONITOR CONNECTIONS FOR RELIATEL CONTROLS. MOVE 100L FROM LTB1-6 TO PHM Y-OUT. CONNECT 100AF TO LTB1-6. CONNECT WIRE 101AR TO TNS1 SECONDARY COM AND WIRE 100AG IS NOT USED.
- CUT PHM JUMPER FOR 50 HZ.

<p>⚠ 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.</p>	<p>⚠ AVERTISSEMENT TENSION DANGEREUSE! COUPER TOUTES LES TENSIONS ET OUVRIRE LES SECTIONNEURS A DISTANCE, PUIS SUIVRE LES PROCEDURES DE VERROUILLAGE ET DES ETIQUETTES AVANT TOUTE INTERVENTION. VERIFIER QUE TOUTS LES CONDENSATEURS DES MOTEURS SONT DECHARGES. DANS LE CAS D'UNITES COMPORTANT DES ENTRAINEMENTS A VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAINEMENT POUR DECHARGER LES CONDENSATEURS. NE PAS RESPECTER CES MESURES DE PRECAUTION PEUT ENTRAINER DES BLESSURES GRAVES POUVANT ETRE MORTELLES.</p>	<p>⚠ ADVERTENCIA ¡VOLTAJE PELIGROSO! DESCONECTE TODA LA ENERGIA ELECTRICA, INCLUIDO LAS DESCONEXIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGURESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON VEJ DE DIRECCION DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR. EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRIA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.</p>
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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
6000 SHILOH ROAD
ATLANTA, GA 30328
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DRAWN BY: K. VICKMORF © DATE: 15MAY2001
DO NOT SCALE PRINT
THIRD ANGLE PROJECTION
SIMILAR TO:
POWER - GAS HEAT, 7.5-10 TON, 380V-50HZ/380V-60HZ/460V/575V PWR, EM/RT CNTL
4366-1034
K

WIRE NUMBER	SPOOL
3A	14_BLK_2
3E	14_BLK_2
3N	14_BLK_2
17A	14_BLU_2
20A	14_BLU_2
2A	14_BLU_2
2L	14_BLU_2
6C	14_BLU_2
TNS2_GND	14_GRYEL_2_CO
16A	14_RED_2
19A	14_RED_2
1D	14_RED_2
1T	14_RED_2
4A	14_RED_2
W 6	14_VIO_2
3C	18_BLK_2
3D	18_BLK_2
?057	18_BLK_2
CCH-BLK1	18_BLK_2
CCH-BLK2	18_BLK_2
CCH2-LT	18_BLK_2
CCH2-RT	18_BLK_2
IND-BLK	18_BLK_2
ODM-BLK	18_BLK_2
TNS2-PRI-BLK	18_BLK_2
TNS2-SEC-BLK	18_BLK_2
TNS2_PRI_BLK	18_BLK_2
TNS2_SEC_BLK	18_BLK_2
W031	18_BLK_2
101AR	18_BLU_2
2D	18_BLU_2
TNS2-PRI-BLU	18_BLU_2
TNS2_PRI_BLU	18_BLU_2
W 4	18_BLU_2
W030	18_BLU_2
ODM-BRN	18_BRN_2
100AF	18_RED_2
100AG	18_RED_2
1B	18_RED_2
1G	18_RED_2
8A	18_RED_2
IND-RED	18_RED_2
TNS2-PRI-RED	18_RED_2
TNS2-SEC-RED	18_RED_2
TNS2_PRI_RED	18_RED_2
TNS2_SEC_RED	18_RED_2
W 029	18_RED_2
21A	18_VIO_2
7B	18_VIO_2
IND-BLU	18_VIO_2
ODM-VIO	18_VIO_2

FROM				WIRE NUMBER		TO			
COMPONENT	PART NUMBER	PIN	TERMINATOR			COMPONENT	PART NUMBER	PIN	TERMINATOR
CC1	TBD	L1		1B	18_RED_2	TNS1	TBD	H1	
CC1	TBD	T1		4A	14_RED_2	CPR1	TBD		
CC1	TBD	T2		6C	14_BLU_2	CPR1	TBD		
CC2	TBD	L1		1G	18_RED_2	CC1	TBD	L1	
CC2	TBD	L2		2D	18_BLU_2	CC1	TBD	L2	
CC2	TBD	L3		3N	14_BLK_2		PHM		
CC2	TBD	L3		3D	18_BLK_2	CC1	TBD	L3	
CC2	TBD	T3		7B	18_VIO_2	CC1	TBD	T3	
CF1	TBD			W 6	14_VIO_2	CC1	TBD	T3	
CPR1	TBD			3C	18_BLK_2	CC1	TBD	L3	
CPR2	TBD			3E	14_BLK_2	CC2	TBD	L3	
CPR2	TBD			20A	14_BLU_2	CC2	TBD	T2	
CPR2	TBD			19A	14_RED_2	CC2	TBD	T1	
F	TBD	L1		1D	14_RED_2	CC1	TBD	L1	
F	TBD	L2		2A	14_BLU_2	CC1	TBD	L2	
IDM	TBD			3A	14_BLK_2	CC1	TBD	L3	
IDM	TBD			17A	14_BLU_2	F	TBD	T2	
IDM	TBD			16A	14_RED_2	F	TBD	T1	
IGN	X1365_0876_01IND_SINGLE/HI			8A	18_RED_2	PPF1	NA	2	2
PPF1	NA	3		21A	18_VIO_2	IGN	X1365_0876_01	IND_LO	IND_LO
TNS1	TBD	H2		W 4	18_BLU_2	CC1	TBD	L2	L2
TNS2	TBD	H3		?057	18_BLK_2		TBD		
	PHM			2L	14_BLU_2	CC2		L2	L2
	PHM								
KAREN AND CASSANDRA'S DIAGNOSTIC CHECK LIST 8/7/00									
FROM				WIRE NUMBER		TO			
COMPONENT	PART NUMBER	PIN	ENTRY			COMPONENT	PART NUMBER	PIN	ENTRY
	PHM			100AF	1T 18_RED_2 24_RED_2		PHM		
	PHM			100AG	18_RED_2				
	PHM			101AR	18_BLU_2				
IDM	TBD			16A	14_RED_2	F	TBD	T1	T1
IDM	TBD			17A	14_BLU_2	F	TBD	T2	T2
CPR2	TBD			19A	14_RED_2	CC2	TBD	T1	T1
CC1	TBD	L1	L1	1B	18_RED_2	TNS1	TBD	H1	H1
F	TBD	L1	L1	1D	14_RED_2	CC1	TBD	L1	L1
CC2	TBD	L1	L1	1G	18_RED_2	CC1	TBD	L1	L1
				1T	14_RED_2		PHM		
CPR2	TBD			20A	14_BLU_2	CC2	TBD	T2	T2
PPF1	NA	3	3	21A	18_VIO_2	IGN	X1365_0876_01	IND_LO	IND_LO
F	TBD	L2	L2	2A	14_BLU_2	CC1	TBD	L2	L2
CC2	TBD	L2	L2	2D	18_BLU_2	CC1	TBD	L2	L2
	PHM			2L	14_BLU_2	CC2	TBD	L2	L2
IDM	TBD			3A	14_BLK_2	CC1	TBD	L3	L3
CPR1	TBD			3C	18_BLK_2	CC1	TBD	L3	L3
CC2	TBD	L3	L3	3D	18_BLK_2	CC1	TBD	L3	L3
CPR2	TBD			3E	14_BLK_2	CC2	TBD	L3	L3
CC2	TBD	L3	L3	3N	14_BLK_2		PHM		
CC1	TBD	T1	T1	4A	14_RED_2	CPR1	TBD		
CC1	TBD	T2	T2	6C	14_BLU_2	CPR1	TBD		
CC2	TBD	T3	T3	7B	18_VIO_2	CC1	TBD	T3	T3
IGN	X1365_0876_01IND_SINGLE/IND_HI			8A	18_RED_2	PPF1	NA	2	2
TNS2	TBD	H3	H3	?057	18_BLK_2		TBD		
TNS1	TBD	H2	H2	W 4	18_BLU_2	CC1	TBD	L2	L2
CF1	TBD	LT	LT	W 6	14_VIO_2	CC1	TBD	T3	T3

PROJECT: **TRANSCOMPANY**
 DATE: 05-01-01
 SCALE: P/N INT
 THIRD ANGLE PROJECTION
 POWER - GAS HEAT, 7.5-10 TON,
 380V-50HZ/380V-60HZ/460V/575V
 PWR, EM/RT CNTL
4366-1034
DIAGRAM
 K

SCALE: AS SHOWN AND SHALL NOT BE COPIED OR ITS
 CONTENTS DISCLOSED TO ANY OTHER PERSON WITHOUT
 THE WRITTEN CONSENT OF THE SAME COMPANY.
 DATE DO NOT SCALE P/N INT THIRD ANGLE
 05-01-01 P44881 ANGLE
 PROJECTION

REF DES	ENTRY_PORT	PIN NAME	MODEL NAME
CC1	L1	L1	TBD
CC1	L2	L2	TBD
CC1	L3	L3	TBD
CC1	T1	T1	TBD
CC1	T2	T2	TBD
CC1	T3	T3	TBD
CC2	L1	L1	TBD
CC2	L2	L2	TBD
CC2	L3	L3	TBD
CC2	T1	T1	TBD
CC2	T2	T2	TBD
CC2	T3	T3	TBD
CCH1		LT	TBD
CCH1		RT	TBD
CCH2		LT	TBD
CCH2		RT	TBD
CF1	1	1	TBD
CF1	LT	LT	TBD
CF1	RT	RT	TBD
CPR1		T1	TBD
CPR1		T2	TBD
CPR1		T3	TBD
CPR2		T1	TBD
CPR2		T2	TBD
CPR2		T3	TBD
F	L1	L1	TBD
F	L2	L2	TBD
F	T1	T1	TBD
F	T2	T2	TBD
IDM		T1	TBD
IDM		T2	TBD
IDM		T3	TBD
IGN	IND_HI	2	X1365_0876_01
IGN	IND_L2	1	X1365_0876_01
IGN	IND_L0	3	X1365_0876_01
IND		1	TBD
IND		2	TBD
IND		3	TBD
IND		4	TBD
IND		5	TBD
IND		6	TBD
ODM		1	TBD
ODM		2	TBD
ODM		3	TBD
ODM		4	TBD
ODM		5	TBD
ODM		6	TBD
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	H1	H1	TBD
TNS1	H2	H2	TBD
TNS1	H3	H3	TBD
TNS1	X1	X1	TBD
TNS1	X2	X2	TBD
TNS2	H1	H1	TBD
TNS2	H2	H2	TBD
TNS2	H3	H3	TBD
TNS2	X1	X1	TBD
TNS2		X2	TBD