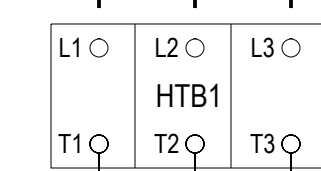
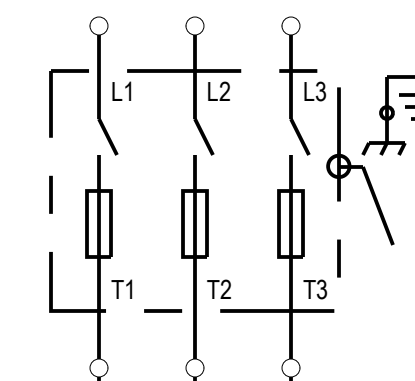
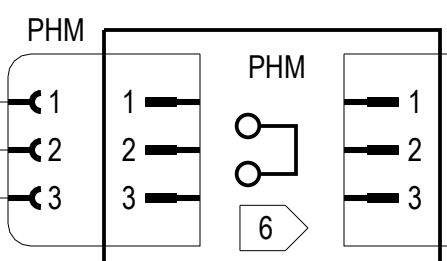


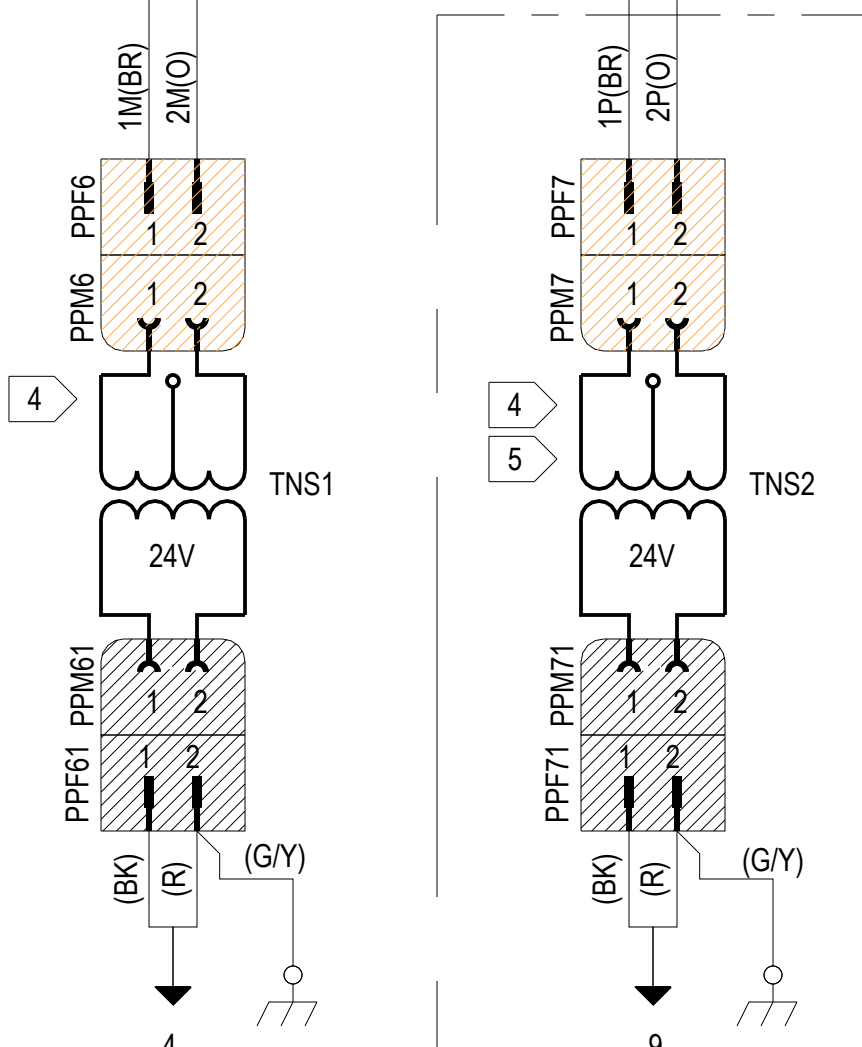
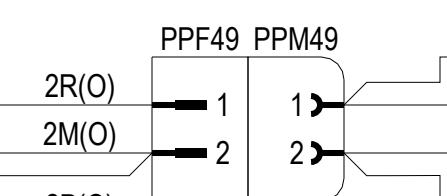
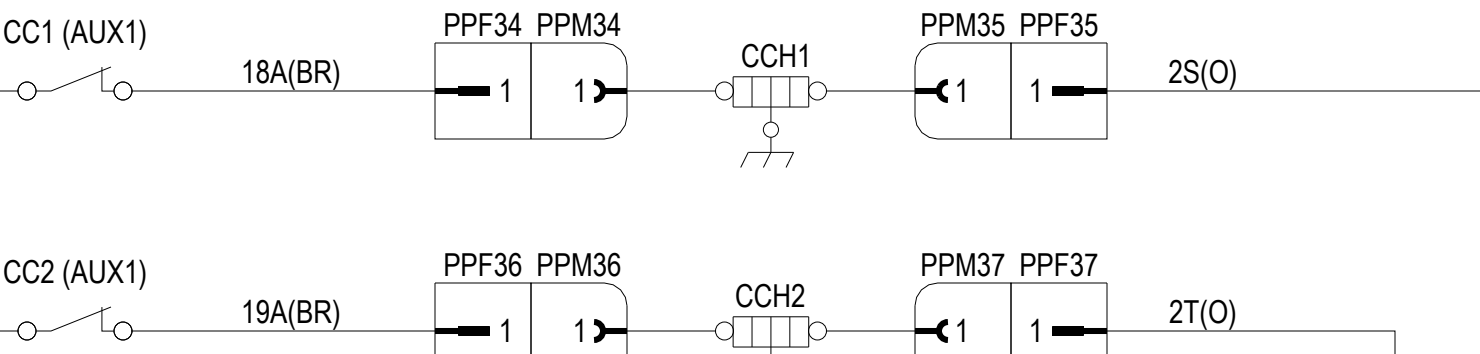
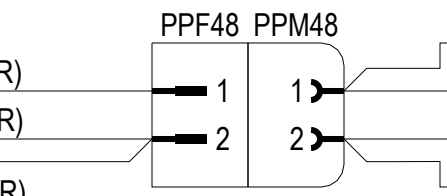
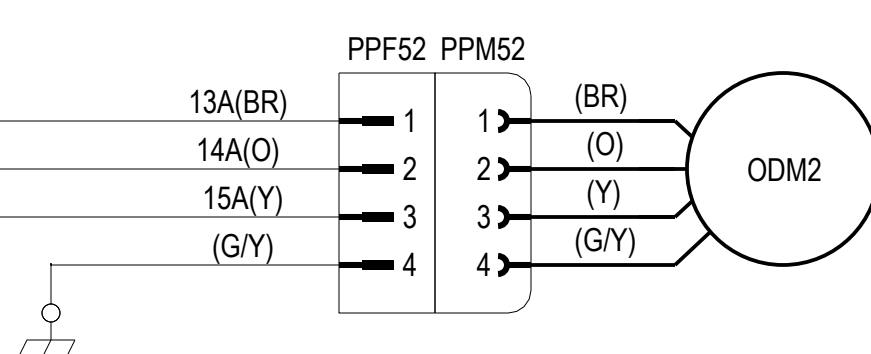
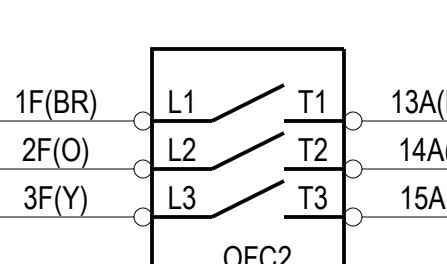
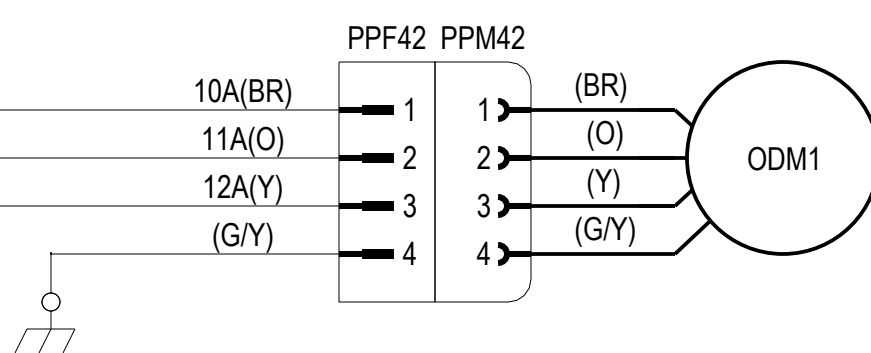
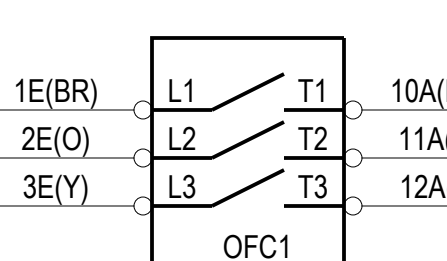
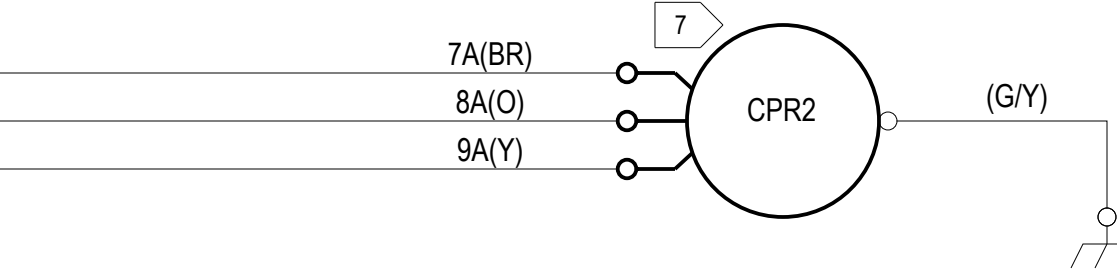
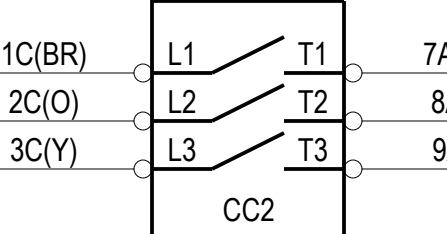
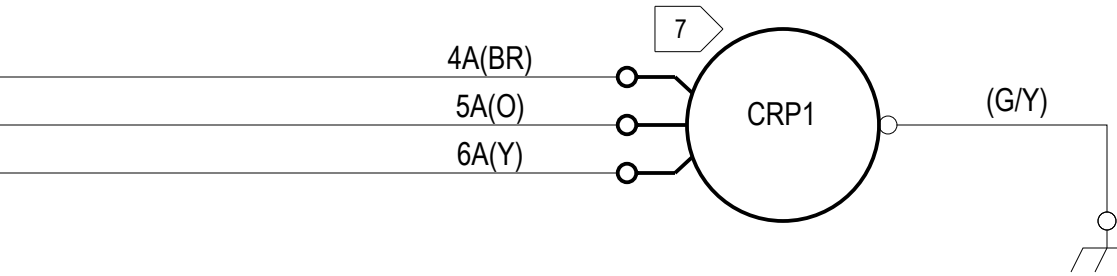
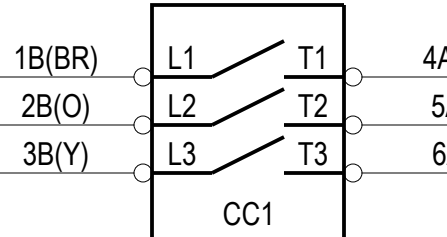
SEE UNIT NAMEPLATE FOR LINE
VOLTAGE AND MAX FUSE SIZE



1A(BR) 2A(O) 3A(Y)
1B(BR) 2B(O) 3B(Y)
1C(BR) 2C(O) 3C(Y)
1E(BR) 2E(O) 3E(Y)
1F(BR) 2F(O) 3F(Y)
1R(BR) 2R(O)



SEE CONTROL
SCHEMATIC FOR
REMAINDER OF
PHM CIRCUIT
9



SEE CONTROL
SCHEMATIC FOR
REMAINDER OF
TNS1 CIRCUIT

SEE CONTROL
SCHEMATIC FOR
REMAINDER OF
TNS2 CIRCUIT

REF DES	DESCRIPTION	LINE NO
CC1	COMPRESSOR CONTACTOR 1	21
CC1 (AUX1)	CC1 AUX1 NC	41
CC2	COMPRESSOR CONTACTOR 2	26
CC2 (AUX1)	CC2 AUX1 NC	44
CCH1	CRANCASE HEATER 1	41
CCH2	CRANCASE HEATER 2	44
CPR1	COMPRESSOR 1	21
CPR2	COMPRESSOR 2	26
HTB1	HIGH VOLTAGE TERMINAL BLOCK	7
ODM1	OUTDOOR MOTOR 1	31
ODM2	OUTDOOR MOTOR 2	36
OFC1	OUTDOOR FAN CONTACTOR 1	31
OFC2	OUTDOOR FAN CONTACTOR 2	36
PHM	PHASE MONITOR	16
TNS1	TRANSFORMER 1	54
TNS2	TRANSFORMER 2	54

NOTES:

- 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. SOLID LINE INDICATES WIRING BY TRANE CO.
- NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT. AN OPEN ARROWHEAD BELOW THE LINE NUMBER POINTING UPWARD INDICATES A TIMED CONTACT WHICH BEGINS TIMING WHEN ENERGIZED
- CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH UNITS. FOR 208V/60HZ/3PH OPERATION, MOVE WIRE FROM 230V TERMINAL TO 208V TERMINAL ON UNIT TRANSFORMER(S) TNS1 AND TNS2 (IF PRESENT). FOR ALL OTHER VOLTAGES TRANSFORMERS ARE SINGLE TAP PRIMARY AND WILL BE SHIPPED FROM FACTORY WITH THE APPROPRIATE WIRING.
- TNS2 REQUIRED IN
TTA - 20T DUAL 208V/230V/460V/575V, 16.7T DUAL 380-415V UNITS
TWA - ALL UNITS
- CLIP PHM JUMPER WIRE FOR 50HZ OPERATION.
- CAUTION: DO NOT OPERATE OR APPLY POWER TO COMPRESSORS WHILE UNDER A VACUUM. FAILURE TO FOLLOW THESE INSTRUCTIONS WILL RESULT IN COMPRESSOR FAILURE.

CAUTION

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

ATTENTION

UTILISER UNIQUEMENT CONDUCTEURS EN COUPE!
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 BORNES DE LA UNIDAD NO ESTÁN DISEÑADAS
PARA ACEPTAR OTROS TIPOS DE CONDUCTORES.
SI NO LO HACE, PUEDE OCASIONAR DAÑO AL EQUIPO.

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 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 ENTRAÎNEMENTS A
VITESSE VARIABLE SE REPORTER AUX
INSTRUCTIONS DE L'ENTRAÎNEMENTS POUR
DECHARGER LES CONDENSATEURS.

NE PAS RESPECTER CES MESURES DE
PRECAUTION PEUT ENTRAÎNER DES
BLESSURES GRAVES POUVANT ETRE
MORTELLES.

ADVERTENCIA

¡VOLTAJE PELIGROSO!

DESCONECTE TODA LA ENERGIA ELÉCTRICA.
INCLUSO 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, PODRIA OCASIONAR LA MUERTE
O SERIAS LESIONES PERSONALES.

WIRE COLOR ABBREVIATION CODES			
CODE	COLOR	CODE	COLOR
BL	BLACK	PK	PINK
BL	BLUE	R	RED
BR	BROWN	TR	TURQUOISE
G	GREEN	V/PUR	PURPLE
GY	GREEN/YELLOW	W	WHITE
O	ORANGE	Y	YELLOW

DESIGNER: RAM R
ENGINEER: TINTU K
TRANE © DATE: 27-OCT-2021
REPLACES: 12133638
SIMILAR TO:
REVISION DATE:
REVISED BY:
APPROVED BY: TINTU K
CAD SYSTEM USED: CREO SCHEMATICS

TRANE®

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WRITTEN CONSENT OF TRANE.

IEC DESIGN COMPLIANT

ODYSSEY
SCHEMATIC
POWER, COOLING CONDENSER/HEAT PUMP
DUAL/MANIFOLDED COMPRESSORS
DUAL FAN

MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
	12134177	1 OF 2	A