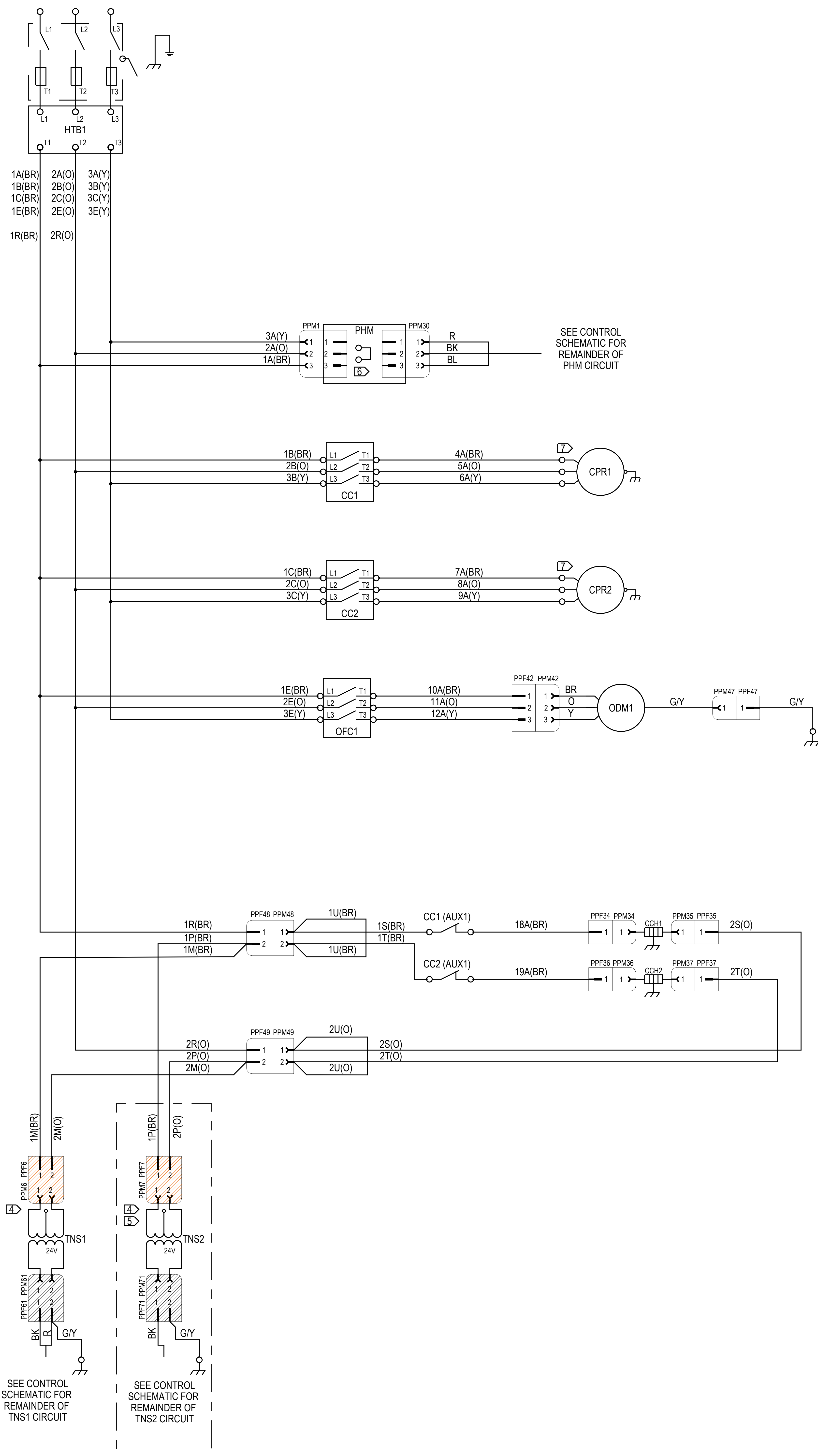


SEE UNIT NAMEPLATE FOR LINE VOLTAGE AND MAX FUSE SIZE



| REF DES    | DESCRIPTION                 | LINE NO |
|------------|-----------------------------|---------|
| CC1        | COMPRESSOR CONTACTOR 1      | 21      |
| CC1 (AUX1) | CC1 AUX1 NC                 | 41      |
| CC2        | COMPRESSOR CONTACTOR 2      | 26      |
| CC2 (AUX1) | CC2 AUX NO                  | 43      |
| CCH1       | CRANCASE HEATER 1           | 41      |
| CCH2       | CRANCASE HEATER 2           | 43      |
| CPR1       | COMPRESSOR 1                | 21      |
| CPR2       | COMPRESSOR 2                | 26      |
| HTB1       | HIGH VOLTAGE TERMINAL BLOCK | 6       |
| ODM1       | OUTDOOR MOTOR 1             | 31      |
| OFC1       | OUTDOOR FAN CONTACTOR 1     | 31      |
| PHM        | PHASE MONITOR               | 16      |
| TNS1       | TRANSFORMER 1               | 52      |
| TNS2       | TRANSFORMER 2               | 52      |

- NOTES:
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 THIS FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINE INDICATES WIRING BY TRANE CO.
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. AN OPEN ARROWHEAD BELOW THE LINE NUMBER POINTING UPWARD INDICATES A TIMED CONTACT WHICH BEGINS TIMING WHEN ENERGIZED.
- 4 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.
- 5 TNS2 REQUIRED ON 8.33T/10T/16.7T/20T DUAL TTA AND ALL TWA UNITS.
- 6 CLIP PHM JUMPER WIRE FOR 50HZ OPERATION.
- 7 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! 75C%/12T  
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.

### 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 TOUS LES CONDENSATEURS DES MOTEURS SONT DECHARGES. DANS LE CAS D'UNITES COMPORTANT DES ENTRAÎNEMENTS A VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT 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 ENERGÍA ELÉCTRICA, INCLUSO 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 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.

| WIRE COLOR DESIGNATION |        |       |        |
|------------------------|--------|-------|--------|
| ABR                    | COLOR  | ABR   | COLOR  |
| BK                     | BLACK  | V(PR) | PURPLE |
| BL                     | BLUE   | R     | RED    |
| BR                     | BROWN  | TN    | TAN    |
| G                      | GREEN  | W     | WHITE  |
| O                      | ORANGE | Y     | YELLOW |

DESIGNER: KRISHNA.G  
ENGINEER: BHARATH.S  
TRANE © DATE: 5/13/2020  
REPLACES: 12132974- C  
SIMILAR TO:  
REVISION DATE: -  
REVISED BY: -  
APPROVED BY: BHARATH.S  
CAD SYSTEM USED: CREO SCHEMATIC

**TRANE**®

THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF TRANE.

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

| MASTER NUMBER: | DRAWING NUMBER: | SHEET: | REV |
|----------------|-----------------|--------|-----|
|                | 12133639        | 1 OF 1 | A   |