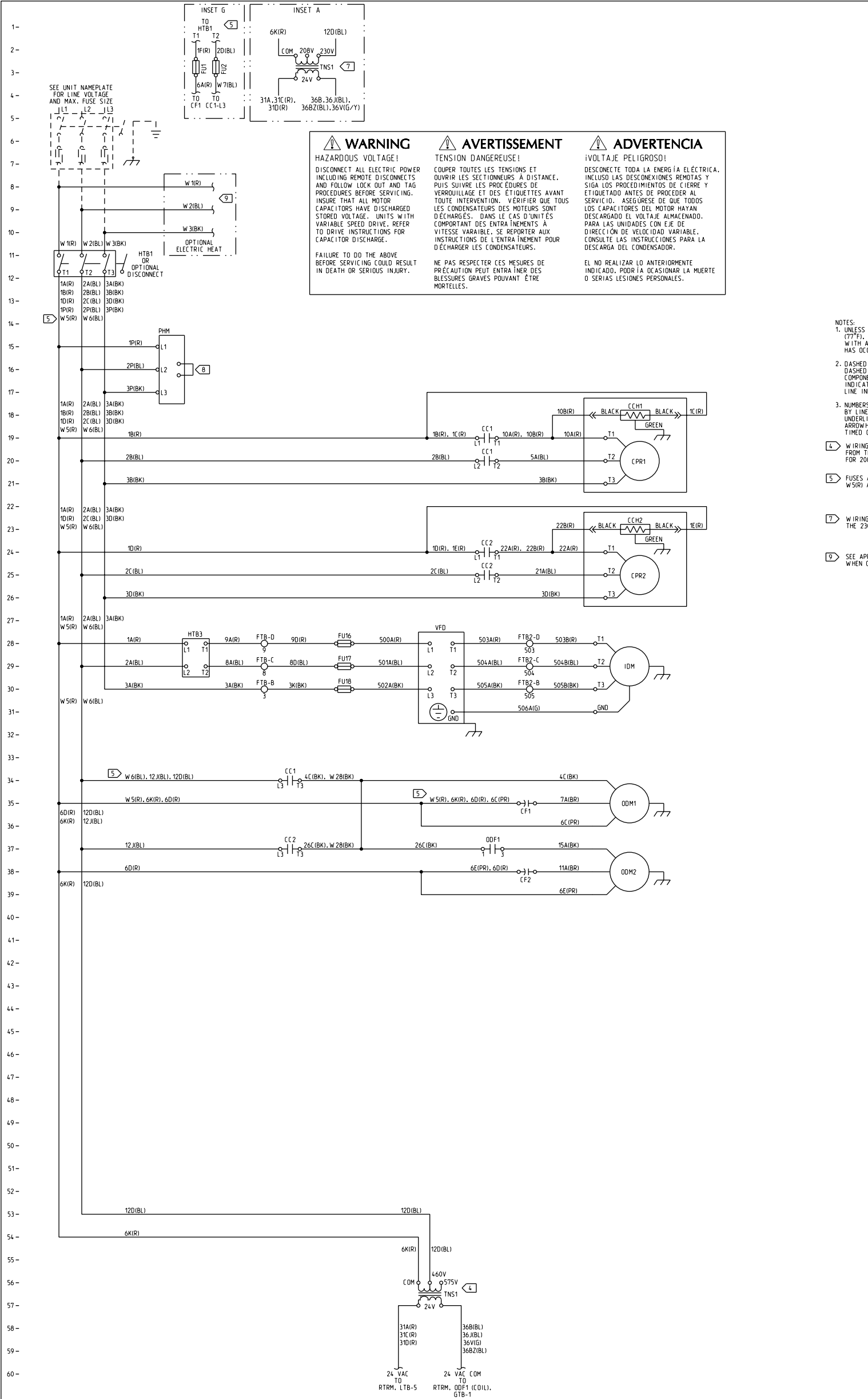




| LEGEND       |                                 |             |
|--------------|---------------------------------|-------------|
| DEVICE DESIG | DESCRIPTION                     | LINE NUMBER |
| CC1          | CONTACTOR - COMPRESSOR          | 19,20,34    |
| CC2          | CONTACTOR - COMPRESSOR          | 24,25,37    |
| CCH1         | HEATER - CRANKCASE              | 18          |
| CCH2         | HEATER - CRANKCASE              | 23          |
| CF1          | CAPACITOR - OD MOTOR            | 35          |
| CF2          | CAPACITOR - OD MOTOR            | 38          |
| CPR1         | COMPRESSOR                      | 21          |
| CPR2         | COMPRESSOR                      | 26          |
| FTB          | TERMINAL BLOCK - INDOOR FAN     | 28,29,30    |
| FTB2         | TERMINAL BLOCK - INDOOR FAN-VFD | 28,29,30    |
| FU1          | FUSE - 200-380 VAC POWER        | 3           |
| FU16         | FUSE - VFD                      | 28          |
| FU17         | FUSE - VFD                      | 29          |
| FU18         | FUSE - VFD                      | 30          |
| FU2          | FUSE - 200-380 VAC POWER        | 3           |
| HTB1         | MANUAL DISCONNECT/TERM BLOCK    | 11          |
| HTB3         | TERMINAL BLOCK - HIGH VOLTAGE   | 28          |
| IDM          | MOTOR - INDOOR                  | 28          |
| ODF1         | CONTACTOR - OUTDOOR FAN         | 37          |
| ODM1         | MOTOR - OUTDOOR                 | 34          |
| ODM2         | MOTOR - OUTDOOR                 | 37          |
| PHM          | MODULE - PHASE MONITOR          | 15          |
| TNS1         | TRANSFORMER - CONTROLS POWER    | 56          |
| VFD          | VARIABLE FREQUENCY DRIVE - IDM  | 28          |

- NOTES:
1. UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25°C (77°F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL UTILITIES TESTED 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. SOLID LINE INDICATES WIRING BY TRANE CO.
  3. NUMBERS ALONG THE RIGHT SIDE MARGIN OF THE SCHEMATIC DESIGNATE, BY LINE NUMBER, THE LOCATION OF CONTACTS ENERGIZED BY COIL. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT. AN OPEN ARROWHEAD POINTING UPWARD BELOW THE LINE NUMBER INDICATES A TIMED CONTACT WHICH BEGINS TIMING WHEN ENERGIZED.
4. WIRING SHOWN IS FOR 460V UNITS. FOR 575V, MOVE ALL WIRES FROM THE 460V TERMINAL TO THE 575V TERMINAL ON TNS1.
5. FUSES ARE USED FOR 208-230VAC 60HZ ONLY. REMOVE WIRES W5(R) AND W6(BL), AND WIRE FUSES AS SHOWN IN INSET G.
7. WIRING SHOWN IS FOR 230V UNITS. FOR 208V, MOVE ALL WIRES FROM THE 230V TERMINAL TO THE 208V TERMINAL ON TNS1.
9. SEE APPLICABLE HEATING SECTION DIAGRAM FOR BALANCE OF CIRCUIT WHEN OPTIONAL ELECTRIC HEAT IS REQUIRED.

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

**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.

| TRANE                                                                                                                                                                                                                                                                                              |  | FILE NUMBER           | DRAWING NUMBER      | SHEET  | REV |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------|---------------------|--------|-----|
| THIS DRAWING IS THE PROPERTY OF TRANE. IT IS TO BE USED ONLY FOR THE PARTS AND SERVICES PROVIDED BY TRANE. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. |  | 2313-1477             | 2313-1482           | 1 OF 1 | A   |
| DRAWN BY: D. SHANNON                                                                                                                                                                                                                                                                               |  | TRANE DATE: 2/2/12    | DIAGRAM             |        |     |
| REVISED: 2313-0051-0054                                                                                                                                                                                                                                                                            |  | REVISION DATE: 2/2/12 | POWER SCHEMATIC     |        |     |
| LAD SYSTEM USED: PRO/DIAGRAM                                                                                                                                                                                                                                                                       |  | SCALE TO:             | COOLING ONLY        |        |     |
|                                                                                                                                                                                                                                                                                                    |  |                       | VARIABLE AIR VOLUME |        |     |