## 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.

## PRECAUCIÓN

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'ÉQUIPEMENT.

## ATTENTION

¡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 À DISTANCE. PUIS SUIVRE LES PROCÉDURES DE VERROUILLAGE ET DES ÉTIQUETTES AVANT TOUTE INTERVENTION. VÉRIFIER QUE TOUS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRAÎNEMENTS À VITESSE VARAIBLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DÉCHARGER LES CONDENSATEURS.

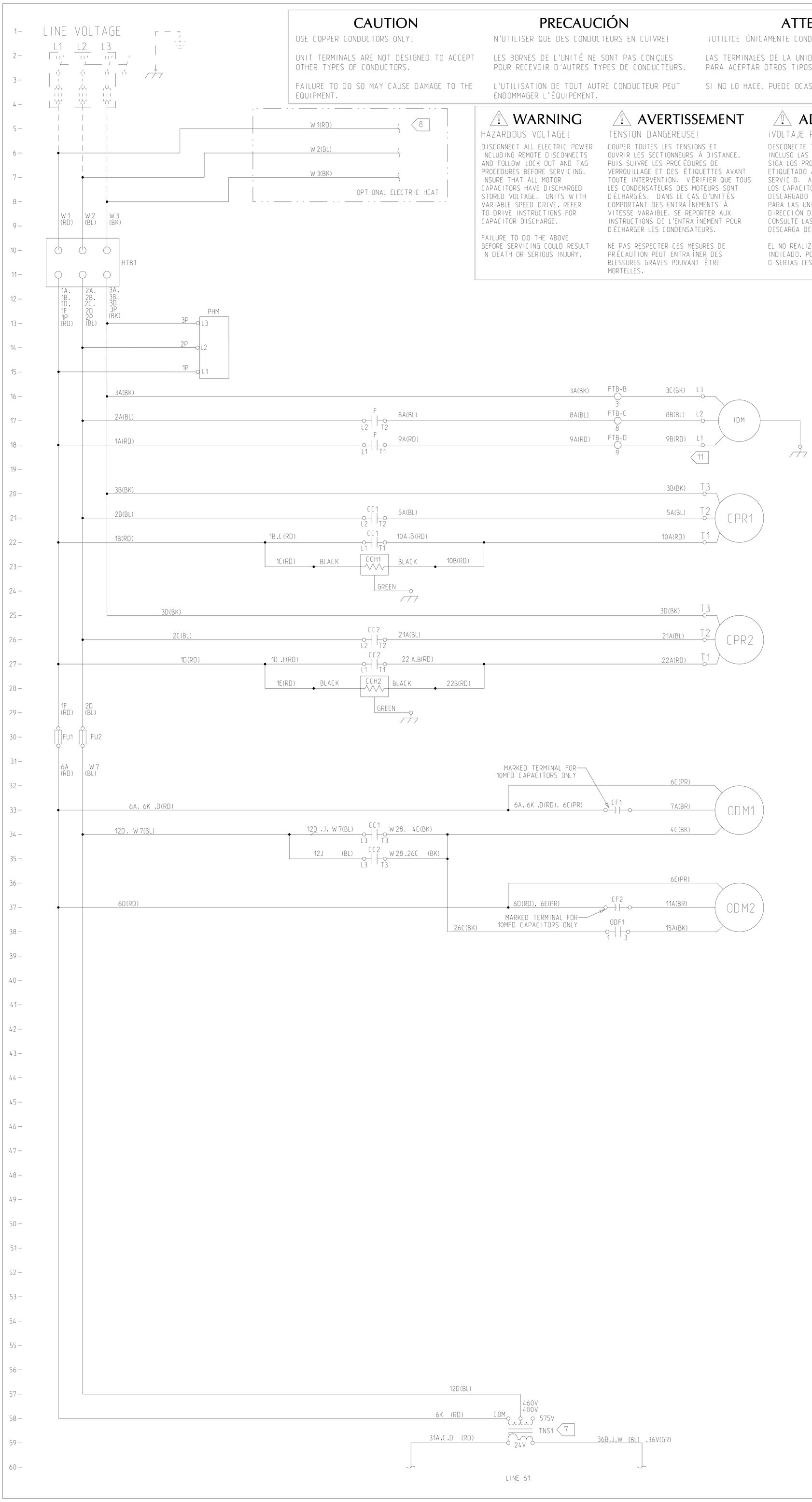
NE PAS RESPECTER CES MESURES DE PRÉCAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.

## ⚠ ADVERTENCIA

¡VOLTAJE PELIGROSO!

DESCONECTE TODA LA ENERGÍA ELÉCTRICA, 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, PODRÍA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.




| LEGEND | | |
|---|---|---|
| DEVICE DESIGNATION | DESCRIPTION | LINE NUMBER |
| AH.CH | HEATER CONTACTOR (STAGE 1) | 106.107 |
| BH.DH | HEATER CONTACTOR (STAGE 2) | 108.109 |
| BMS | BUILDING MANAGEMENT SYSTEM | 91 |
| CC1.CC2 | COMPRESSOR CONTACTOR | 64.65 |
| CCH1.CCH2 | CRANKCASE HEATER | 23.28 |
| CF1.CF2 | OUTDOOR MOTOR CAPACITOR | 33.37 |
| CFS | CLOGGED FILTER SWITCH | 98 |
| CPR1.CPR2 | COMPRESSOR | 21.26 |
| EXF | EXHAUST FAN RELAY | |
| DTS | DISCHARGE TEMPERATURE SENSOR | 91 |
| ECA | ECONOMIZER ACTUATOR | 93 |
| FFS | FAN FAILURE SWITCH | 100 |
| F | INDOOR FAN CONTACTOR | 17.18 |
| RTOM | RELIATEL OPTIONS MODULE | |
| RTRM | RELIATEL REFRIGERATION MODULE | |
| COMM | COMMUNICATION MODULE | |
| FU1.FU2 | IGNITION FUSE | 30 |
| FTB | FAN TERMINAL BLOCK | 16.17.18 |
| HPC1.HPC2 | HIGH PRESSURE CONTROL | 64.65 |
| HTB1 | HI VOLTAGE TERMINAL BLOCK | 10 |
| IDM | INDOOR FAN MOTOR | 17 |
| LTB | LOW VOLTAGE TERM BLOCK | |
| LPC1.LPC2 | LOW PRESSURE CONTROL | 78.80 |
| OAS | OUTDOOR AIR SENSOR | 70 |
| OHS | OUTDOOR HUMIDITY SENSOR | 100 |
| ODM1.ODM2 | OUTDOOR FAN MOTOR | 33.37 |
| ODF1.ODF2 | OUTDOOR FAN RELAY | 69.68.34.38 |
| RAS | RETURN AIR SENSOR | 96 |
| RHS | RETURN HUMIDITY SENSOR | 98 |
| RHT | RETURN HIGH TEMPERATURE | 66 |
| RMP | REMOTE MINIMUM POSITION | 98 |
| SAS | SUPPLY AIR SENSOR | 91 |
| SHT | SUPPLY HIGH TEMPERATURE | 66 |
| TCI | TRANE COMMUNICATION INTERFACE | 63 |
| TNS1 | CONTROL POWER TRANSFORMER | 58 |
| PHM | PHASE MONITOR | 13-15 |
| XFR | EXHAUST FAN RELAY | 99 |
| ZSM | ZONE SENSOR MODULE | 80 |
| TDL1 | THERMOSTAT DISCHARGE LINE CKT 1 | |
| TDL2 | THERMOSTAT DISCHARGE LINE CKT 2 | |
| PPF6.PPM6 | ECONOMIZER PLUG | 90-102 |
| PPF7.PPM7 | ELECTRIC HEAT PLUG | |

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 OCCURED. ALL THERMISTORS ARE 10K AT 25°C (77°F).
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.
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.
4. THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION. COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.

7 CONNECTIONS SHOWN ARE FOR 460V/60HZ/3PH OR 380-415V/50-60HZ/3PH. WHEN 575V/60HZ/3PH UNIT OPERATION IS REQUIRED. REMOVE WIRE 12D(BL) FROM 460V/400V TERMINAL ON TNS1 AND CONNECT TO 575V TERMINAL ON TNS1.

8 SEE APPLICABLE HEATING SECTION DIAGRAM FOR BALANCE OF CIRCUIT WHEN OPTIONAL ELECTRIC HEAT IS REQUIRED.

11 TERMINALS MAY NOT BE PRESENT.

| WIRE COLOR DESIGNATION | | | |
|---|---|---|---|
| ABBR | COLOR | ABBR | COLOR |
| BK | BLACK | PR | PURPLE |
| BL | BLUE | RD | RED |
| BR | BROWN | WH | WHITE |
| GR | GREEN | YL | YELLOW |
| OR | ORANGE | | |

11 X 17 METAL PLATE

TRANE

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DRAWN BY: | TRANE© DATE:
REPLACES: S. SEIS | REVISION DATE:
CAD SYSTEM USED: 2309-3110 | SIMILAR TO: 2309-3118

380V
POWER RELIATEL
TC 150E,180E,210E,240E & 300E

FILE NUMBER: 2309-3110
DRAWING NUMBER: 2313-0058
SHEET: 1 OF 1
REV A

NAME:CLKEED7 OBJECT:2309_3110 DATE:03-Jun-08 13:39:26