| CAUTION | PRECAUCIÓN | ATTENTION |
|---|---|---|
| USE COPPER CONDUCTORS ONLY! | N'UTILISER QUE DES CONDUCTEURS EN CUIVRE! | ¡UTILICE ÚNICAMENTE CONDUCTORES DE COBRE! |
| UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. | LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS. | LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES. |
| FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT. | L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'ÉQUIPEMENT. | 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.

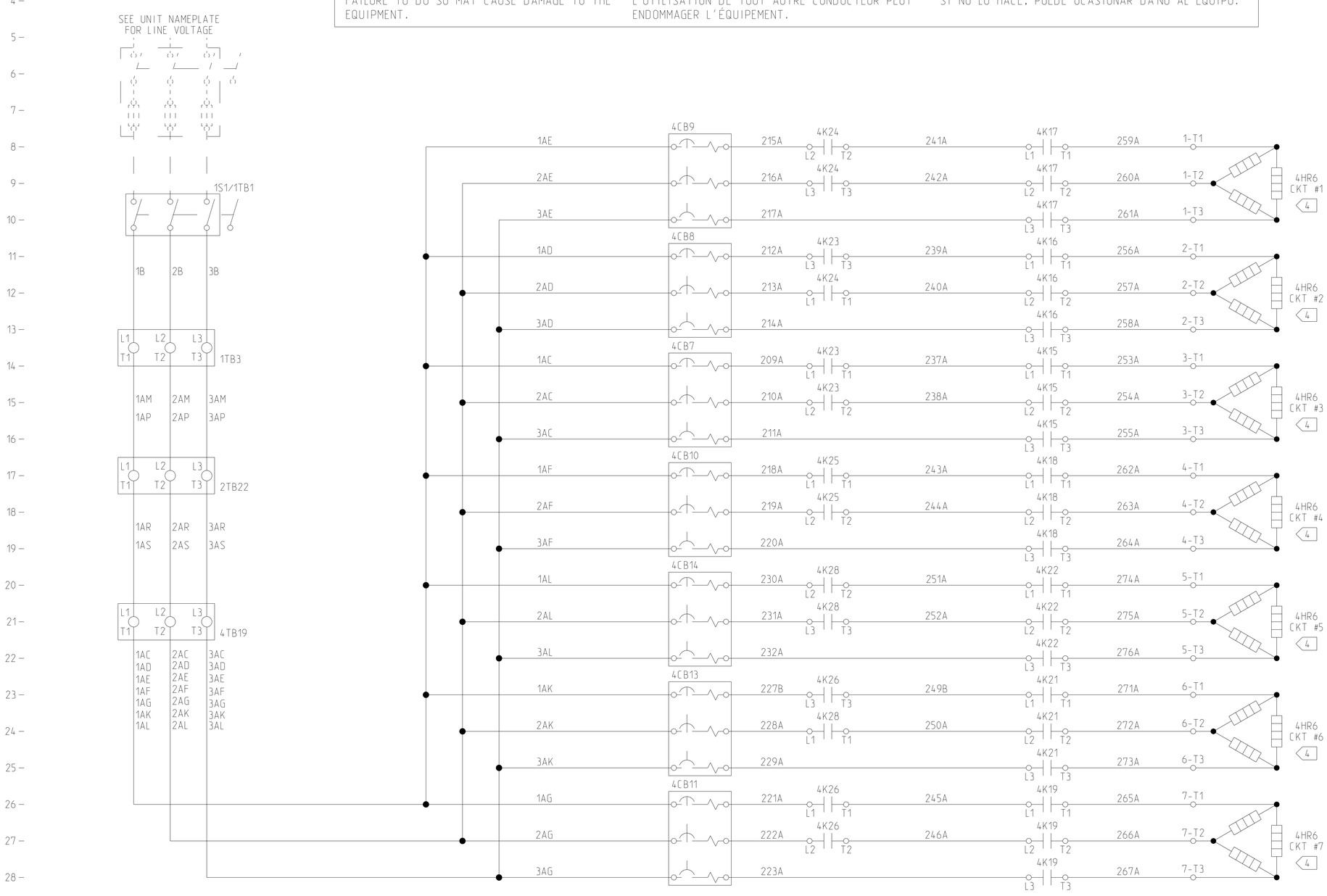
NE PAS RESPECTER CES MESURES DE PRÉCAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.

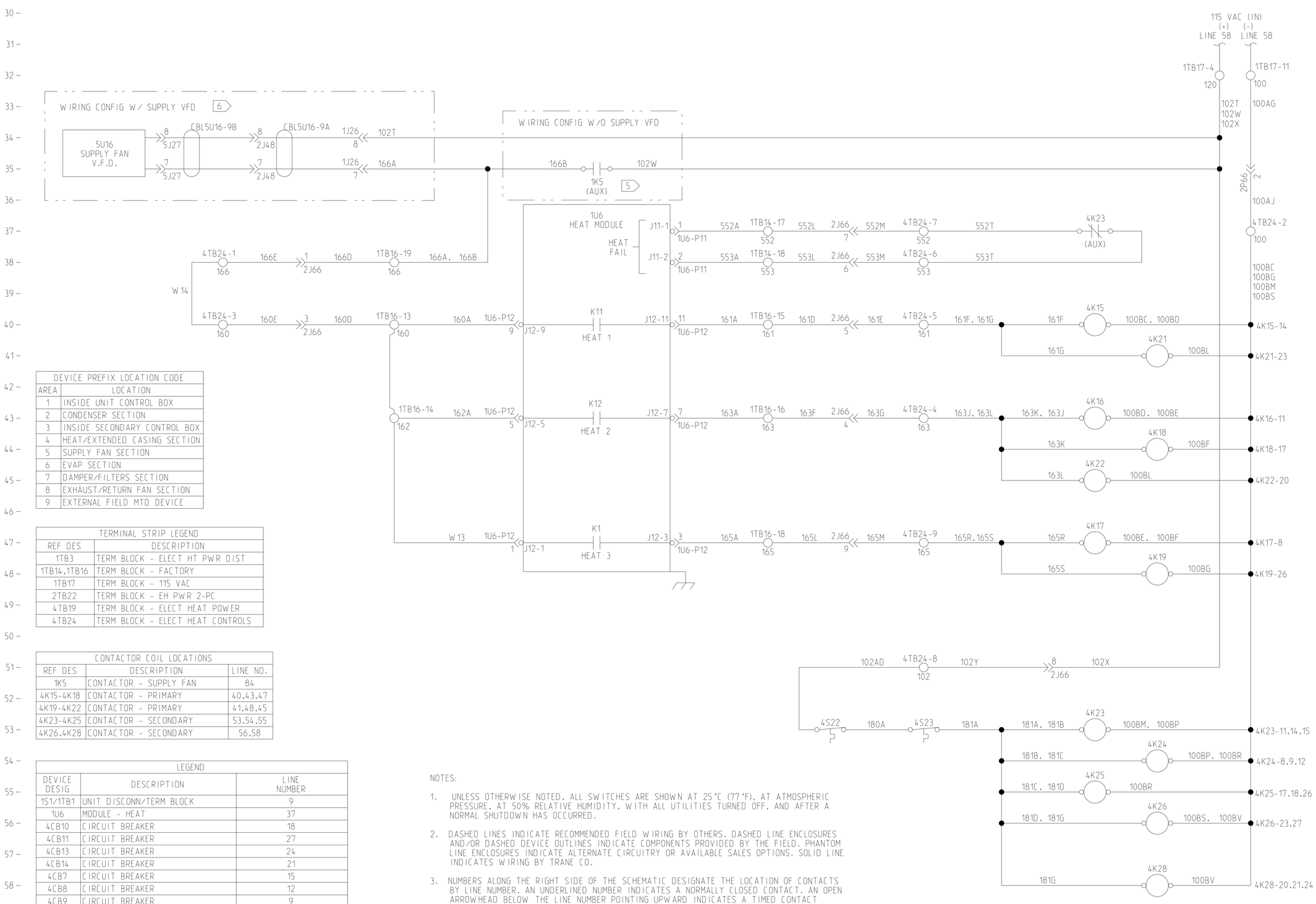
## ⚠ ADVERTENCIA

¡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.




| DEVICE PREFIX LOCATION CODE | |
|---|---|
| AREA | LOCATION |
| 1 | INSIDE UNIT CONTROL BOX |
| 2 | CONDENSER SECTION |
| 3 | INSIDE SECONDARY CONTROL BOX |
| 4 | HEAT/EXTENDED CASING SECTION |
| 5 | SUPPLY FAN SECTION |
| 6 | EVAP SECTION |
| 7 | DAMPER/FILTERS SECTION |
| 8 | EXHAUST/RETURN FAN SECTION |
| 9 | EXTERNAL FIELD MTD DEVICE |

| TERMINAL STRIP LEGEND | |
|---|---|
| REF DES | DESCRIPTION |
| 1TB3 | TERM BLOCK - ELECT HT PWR DIST |
| 1TB14.1TB16 | TERM BLOCK - FACTORY |
| 1TB17 | TERM BLOCK - 115 VAC |
| 2TB22 | TERM BLOCK - EH PWR 2-PC |
| 4TB19 | TERM BLOCK - ELECT HEAT POWER |
| 4TB24 | TERM BLOCK - ELECT HEAT CONTROLS |

| CONTACTOR COIL LOCATIONS | | |
|---|---|---|
| REF DES | DESCRIPTION | LINE NO. |
| 1K5 | CONTACTOR - SUPPLY FAN | 84 |
| 4K15-4K18 | CONTACTOR - PRIMARY | 40.43.47 |
| 4K19-4K22 | CONTACTOR - PRIMARY | 41.48.45 |
| 4K23-4K25 | CONTACTOR - SECONDARY | 53.54.55 |
| 4K26.4K28 | CONTACTOR - SECONDARY | 56.58 |

| LEGEND | | |
|---|---|---|
| DEVICE DESIG | DESCRIPTION | LINE NUMBER |
| 1S1/1TB1 | UNIT DISCONN/TERM BLOCK | 9 |
| 1U6 | MODULE - HEAT | 37 |
| 4CB10 | CIRCUIT BREAKER | 18 |
| 4CB11 | CIRCUIT BREAKER | 27 |
| 4CB13 | CIRCUIT BREAKER | 24 |
| 4CB14 | CIRCUIT BREAKER | 21 |
| 4CB7 | CIRCUIT BREAKER | 15 |
| 4CB8 | CIRCUIT BREAKER | 12 |
| 4CB9 | CIRCUIT BREAKER | 9 |
| 4HR6 | HEATER ELEMENT ASSEMBLY | 8.11.14.17.20.23.26 |
| 4S22 | SWITCH - HIGH LIMIT (DISC) | 53 |
| 4S23 | SWITCH - HIGH LIMIT (LINEAR) | 53 |
| 5U16 | V.F.D. - SUPPLY FAN | 34 |

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 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 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 HEATING ELEMENTS ARE SHOWN DELTA CONNECTED. ELEMENTS MAY BE WYE CONNECTED.

5 1K5 AND ASSOCIATED WIRING ARE PRESENT ON STANDARD UNITS (WITHOUT SUPPLY VFD) ONLY.

6 SEE APPLICABLE VARIABLE FREQUENCY DRIVE SCHEMATIC FOR BALANCE OF CIRCUIT.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DRAWN BY: K.RYAN ©DATE: 12-06-06
REPLACES: REVISION DATE: 2/14/07
CAD SYSTEM USED: PRO/DIAGRAM
SIMILAR TO:

FILE NUMBER:

# ROOFTOP PACKAGED AIR CONDITIONER DIAGRAM

SCHEMATIC - ELECTRIC HEAT 2PC
265KW - 460V/60HZ AND 575V/60HZ

DRAWING NUMBER: 2309-3659
SHEET: 1 OF 1
REV B

NAME:CLK6R OBJECT:2309_3659 DATE:14-Feb-07 14:20:26