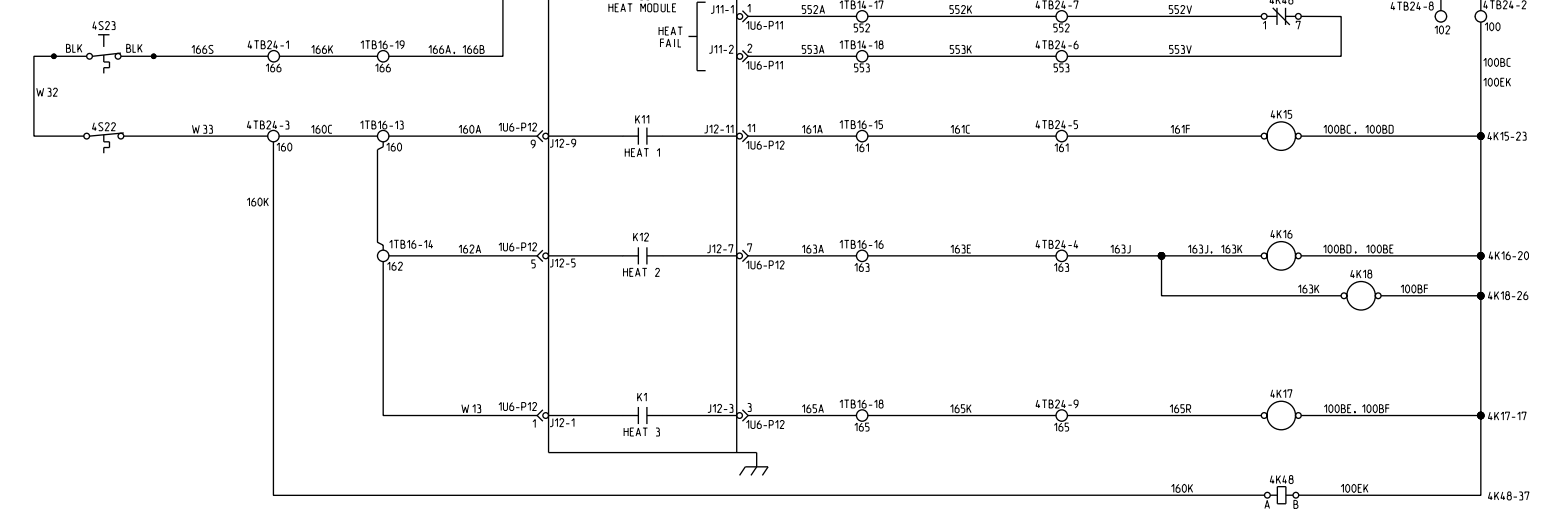
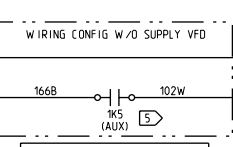
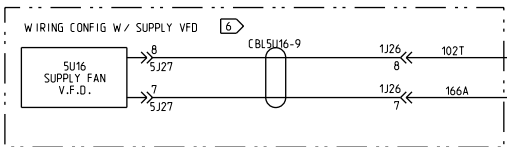
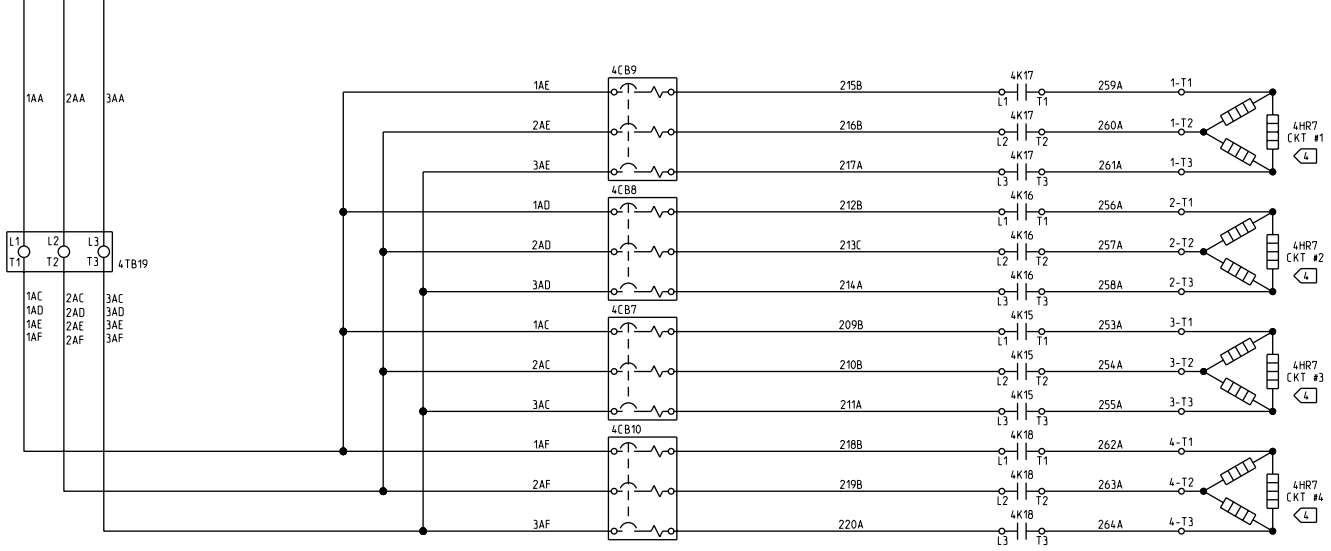
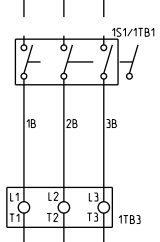
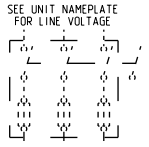


CAUTION
 USE COPPER CONDUCTORS ONLY!
 UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.
 FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.
ATTENTION
 N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!
 LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TIPOUS DE CONDUCTEURS.
PRECAUCIÓN
 ¡UTILICE ÚNICAMENTE CONDUCTORES DE COBRE!
 LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOUS 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 TOUTS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRAINEMENTS À VITESSE VARIABLE, 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, INCLUIDO LAS DESCONECCIONES 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 DESIG | DESCRIPTION | LINE NUMBER |
|--------------|------------------------------|----------------|
| 1K5 | CONTACTOR - SUPPLY FAN AUX | 35 |
| 1S1/1TB1 | UNIT DISCONN/TERM BLOCK | 9 |
| 1U6 | MODULE - HEAT | 37 |
| 4CB10 | CIRCUIT BREAKER | 27 |
| 4CB7 | CIRCUIT BREAKER | 24 |
| 4CB9 | CIRCUIT BREAKER | 21 |
| 4CB9 | CIRCUIT BREAKER | 18 |
| 4HR7 | HEATER ELEMENT ASSEMBLY | 17,20,23,26 |
| 4K15 | CONTACTOR - ELECTRIC HEAT | 23,24,25,37,40 |
| 4K16 | CONTACTOR - ELECTRIC HEAT | 20,21,22,43 |
| 4K17 | CONTACTOR - ELECTRIC HEAT | 17,18,19,47 |
| 4K18 | CONTACTOR - ELECTRIC HEAT | 26,27,28,44 |
| 4K48 | RELAY - HEAT FAIL | 37,49 |
| 4S22 | SWITCH - HIGH LIMIT (DISC) | 40 |
| 4S23 | SWITCH - HIGH LIMIT (LINEAR) | 38 |
| SU16 | V.F.D. - SUPPLY FAN | 34 |

| 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 |

| REF DES | DESCRIPTION |
|-------------|----------------------------------|
| 1TB3 | TERM BLOCK - ELECT HT PWR DIST |
| 1TB4, 1TB16 | TERM BLOCK - FACTORY |
| 1TB17 | TERM BLOCK - 115 VAC |
| 4TB19 | TERM BLOCK - ELECT HEAT POWER |
| 4TB24 | TERM BLOCK - ELECT HEAT CONTROLS |

- 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 LOCATION 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.
- Ⓛ HEATING ELEMENTS ARE SHOWN DELTA CONNECTED. ELEMENTS MAY BE WYE CONNECTED.
 Ⓜ 1K5 AND ASSOCIATED WIRING ARE PRESENT ON STANDARD UNITS (WITHOUT SUPPLY VFD) ONLY.
 Ⓝ SEE APPLICABLE VARIABLE FREQUENCY DRIVE SCHEMATIC FOR BALANCE OF CIRCUIT.

| | |
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| THIS DRAWING IS THE PROPERTY OF TRANE. IT IS TO BE USED ONLY FOR THE PARTS AND MATERIALS LISTED THEREIN. THE USER ASSUMES ALL LIABILITY FOR THE CORRECT USE OF THIS DRAWING. | TRANE DRAWN BY: D. SHANNON PROJECT: 2309-355-A REVISION DATE: 7/25/11 SHEET NO: 1 OF 1 |
| ROOFTOP PACKAGED AIR CONDITIONER SCHEMATIC - ELECTRIC HEAT (PC) 140KW - 460V/60HZ AND 575V/60HZ | DRAWING NUMBER: 2313-0913 SHEET: 1 OF 1 REV: A |