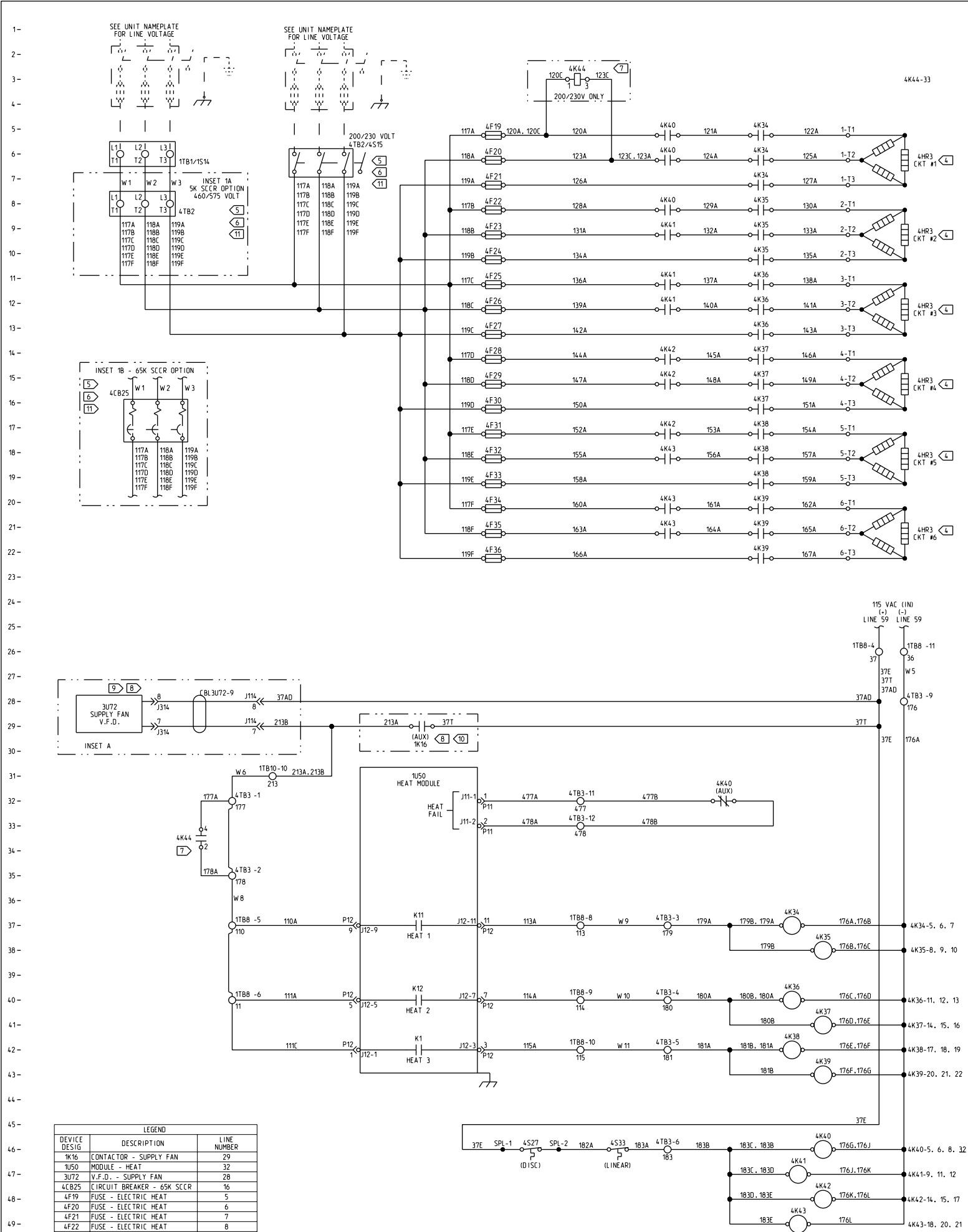




WARNING
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS AND FOLLOW LOCK OUT AND TAG PROCEDURES BEFORE SERVICING. INSURE THAT ALL MOTOR CAPACITORS HAVE DISCHARGED STORED VOLTAGE. UNITS WITH VARIABLE SPEED DRIVE, REFER TO DRIVE INSTRUCTIONS FOR CAPACITOR DISCHARGE.
FAILURE 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 ENTRAÎNEMENTS 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 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.

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'ÉQUIPEMENT.

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.

LEGEND		
DEVICE DESIG	DESCRIPTION	LINE NUMBER
1K16	CONTACTOR - SUPPLY FAN	29
1U50	MODULE - HEAT	32
3U72	V.F.D. - SUPPLY FAN	28
4CB25	CIRCUIT BREAKER - 65K SCCR	16
4F19	FUSE - ELECTRIC HEAT	5
4F20	FUSE - ELECTRIC HEAT	6
4F21	FUSE - ELECTRIC HEAT	7
4F22	FUSE - ELECTRIC HEAT	8
4F23	FUSE - ELECTRIC HEAT	9
4F24	FUSE - ELECTRIC HEAT	10
4F25	FUSE - ELECTRIC HEAT	11
4F26	FUSE - ELECTRIC HEAT	12
4F27	FUSE - ELECTRIC HEAT	13
4F28	FUSE - ELECTRIC HEAT	14
4F29	FUSE - ELECTRIC HEAT	15
4F30	FUSE - ELECTRIC HEAT	16
4F31	FUSE - ELECTRIC HEAT	17
4F32	FUSE - ELECTRIC HEAT	18
4F33	FUSE - ELECTRIC HEAT	19
4F34	FUSE - ELECTRIC HEAT	20
4F35	FUSE - ELECTRIC HEAT	21
4F36	FUSE - ELECTRIC HEAT	22
4HR3	ELECTRIC HEATER	5,8,11,14,17,20
4K34	CONTACTOR - HEAT CKT #1	5,6,7,37
4K35	CONTACTOR - HEAT CKT #2	8,9,10,38
4K36	CONTACTOR - HEAT CKT #3	11,12,13,40
4K37	CONTACTOR - HEAT CKT #4	14,15,16,41
4K38	CONTACTOR - HEAT CKT #5	17,18,19,42
4K39	CONTACTOR - HEAT CKT #6	20,21,22,43
4K40	CONTACTOR - BACK UP	5,6,8,32,46
4K41	CONTACTOR - BACK UP	9,11,12,47
4K42	CONTACTOR - BACK UP	14,15,17,48
4K43	CONTACTOR - BACK UP	18,20,21,49
4K44	RELAY - INTERLOCK	3,33
4S27	SWITCH - HIGH LIMIT (DISC)	46
4S33	SWITCH - HIGH LIMIT (LINEAR)	46

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

- 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 SALES 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.
- 4 HEATING ELEMENTS ARE SHOWN DELTA CONNECTED. ELEMENTS MAY BE WYE CONNECTED.
- 5 POWER CONNECTION SHOWN TO 4TB2/4S15 IS FOR 200V/230V UNITS. SEE INSET "1A" OR "1B" FOR 460V & 575V UNITS.
- 6 200/230V OPTION NOT AVAILABLE ON 90-130 TON UNITS. REFER TO INSET "1A".
- 7 4K44 AND ASSOCIATED WIRING USED ON 200V AND 230V UNITS. WHEN REQUIRED REMOVE JUMPERS AND INSTALL 4K44 CONTACTS (LINE 33).
- 8 WHEN UNIT HAS SUPPLY FAN V.F.D. OPTION. SEE INSET "A" FOR CONNECTIONS.
- 9 SEE APPLICABLE SUPPLY VARIABLE FREQUENCY DRIVE DIAGRAM FOR BALANCE OF CIRCUIT.
- 10 1K16 AND ASSOCIATED WIRING ARE PRESENT ON STANDARD UNITS (WITHOUT SUPPLY VFD) ONLY.
- 11 LOW SCCR CIRCUITRY SHOWN. FOR HIGH SCCR UNITS SEE INSET "1B".

THIS DRAWING IS A PART OF THE TRANE ROOFTOP PACKAGED AIR CONDITIONER SCHEMATIC WIRING DIAGRAM. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE.		FILE NUMBER	DRAWING NUMBER	SHEET	REV
TRANE			2306-8934	1 OF 1	H
DRAWN BY: J. DIERICK	TRANE DATE: 12/20/13				
REVISIONS: 1. 5-13	5/13				
AD SYSTEM USED: 200-7841/7847	200-7841/7847				
ROOFTOP PACKAGED AIR CONDITIONER SCHEMATIC WIRING DIAGRAM ELECTRIC HEAT, 30-130 TON - 6 CIRCUIT 200/230/460/575V					