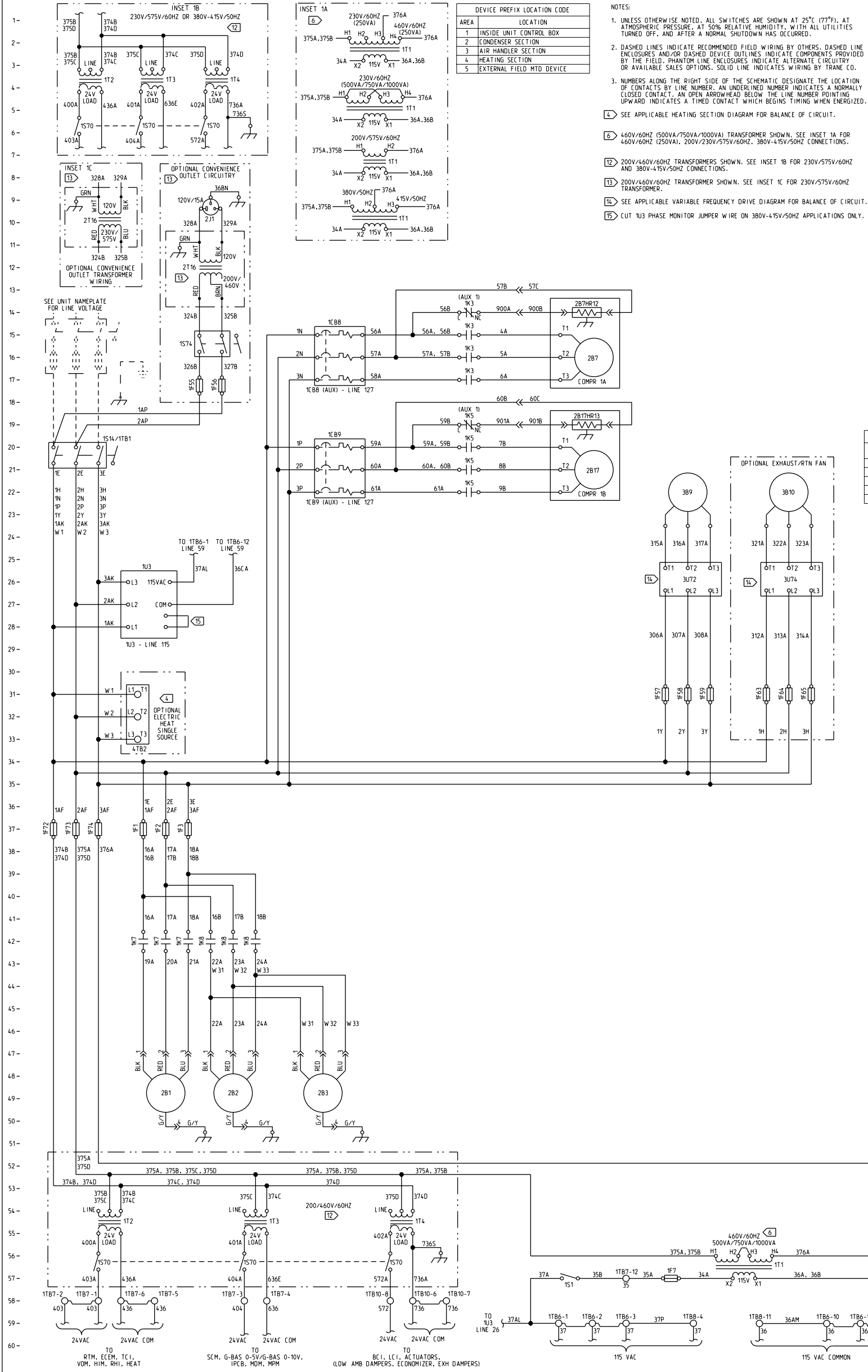




DEVICE PREFIX LOCATION CODE	
AREA	LOCATION
1	INSIDE UNIT CONTROL BOX
2	CONDENSER SECTION
3	AIR HANDLER SECTION
4	HEATING SECTION
5	EXTERNAL FIELD MTD DEVICE

- 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 SEE APPLICABLE HEATING SECTION DIAGRAM FOR BALANCE OF CIRCUIT.
- 6 460V/60HZ (500VA/750VA/1000VA) TRANSFORMER SHOWN. SEE INSET 1A FOR 460V/60HZ (250VA), 200V/230V/575V/60HZ, 380V-415V/50HZ CONNECTIONS.
- 12 200V/460V/60HZ TRANSFORMERS SHOWN. SEE INSET 1B FOR 230V/575V/60HZ AND 380V-415V/50HZ CONNECTIONS.
- 13 200V/460V/60HZ TRANSFORMER SHOWN. SEE INSET 1C FOR 230V/575V/60HZ TRANSFORMER.
- 14 SEE APPLICABLE VARIABLE FREQUENCY DRIVE DIAGRAM FOR BALANCE OF CIRCUIT.
- 15 CUT 1U3 PHASE MONITOR JUMPER WIRE ON 380V-415V/50HZ APPLICATIONS ONLY.

LEGEND		
DEVICE DESIG	DESCRIPTION	LINE NUMBER
1CB8	CIRCUIT BREAKER - COMPRESSOR	16
1CB9	CIRCUIT BREAKER - COMPRESSOR	21
1F1	FUSE - CONDENSER FAN	37
1F2	FUSE - CONDENSER FAN	37
1F3	FUSE - CONDENSER FAN	37
1F55	FUSE - CONVENIENCE OUTLET	17
1F56	FUSE - CONVENIENCE OUTLET	17
1F57	FUSE - SUPPLY FAN V.F.D.	31
1F58	FUSE - SUPPLY FAN V.F.D.	31
1F59	FUSE - SUPPLY FAN V.F.D.	31
1F63	FUSE - EXH/RTN FAN V.F.D.	31
1F64	FUSE - EXH/RTN FAN V.F.D.	31
1F65	FUSE - EXH/RTN FAN V.F.D.	31
1F7	FUSE - CONTROL CIRCUIT	57
1F72	FUSE - TRANSFORMER CIRCUIT	37
1F73	FUSE - TRANSFORMER CIRCUIT	37
1F74	FUSE - TRANSFORMER CIRCUIT	37
1K3	CONTACTOR - COMPRESSOR	14, 15, 16, 17
1K5	CONTACTOR - COMPRESSOR	19, 20, 21, 22
1K7	CONTACTOR - CONDENSER FAN	42
1K8	CONTACTOR - CONDENSER FAN	42
1S1	SWITCH - CONTROL CIRCUIT	57
1S14/1T81	MANUAL DISCONNECT/TERM BLOCK	20
1S70	SWITCH - 24V TRANSFORMER	56
1S74	SWITCH - CONV. OUTLET	16
1T1	TRANSFORMER - CONTROL POWER	56
1T2	TRANSFORMER - 24 VAC	54
1T3	TRANSFORMER - 24 VAC	54
1T4	TRANSFORMER - 24 VAC	54
1U3	PHASE MONITOR	27
2B1	MOTOR - CONDENSER FAN	49
2B7	COMPRESSOR	22
2B7HR13	HEATER - CRANKCASE	19
2B2	MOTOR - CONDENSER FAN	49
2B3	MOTOR - CONDENSER FAN	49
2B7	COMPRESSOR	17
2B7HR12	HEATER - CRANKCASE	14
211	RECEPTACLE - CONV. OUTLET	9
216	TRANSFORMER - CONV. OUTLET	12
3B10	MOTOR - EXHAUST/RTN FAN	23
3B9	MOTOR - SUPPLY FAN	23
3U72	V.F.D. - SUPPLY FAN	25
3U74	V.F.D. - EXH/RTN FAN	25

TERMINAL BLOCK USAGE	
DEVICE DESIG	DESCRIPTION
1T84, 1T85, 1T86, 1T87	CONTROLS - CUSTOMER CONNECTIONS
1T86-1T810	CONTROLS - FACTORY
4TB2	POWER - ELECTRIC HEAT OPTION
4TB3	CONTROLS - ELECTRIC HEAT
4TB4, 4TB5	CONTROLS - GAS HEAT

CONTACTOR COIL LOCATION		
DEVICE DESIG	DESCRIPTION	LINE NUMBER
1K3	CONTACTOR - COMPRESSOR	135
1K5	CONTACTOR - COMPRESSOR	125
1K7	CONTACTOR - CONDENSER FAN	137
1K8	CONTACTOR - CONDENSER FAN	139

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 MATERIALS LISTED HEREIN. IT IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRANE.		2313-1183	2313-1187	1 OF 1	A
DRAWN BY: EDW ADOS CHECKED BY: J. J. ADOS PROJECT: 2313-1049A CADD SYSTEM USED: Pro/ENGINEER SCALE: 10:1		ROOFTOP PACKAGED AIR CONDITIONER DIAGRAM POWER SCHEMATIC - 25 TON W / SUPPLY AND EXH/RTN FAN VARIABLE FREQUENCY DRIVE SCHEMATIC 1 OF 5			