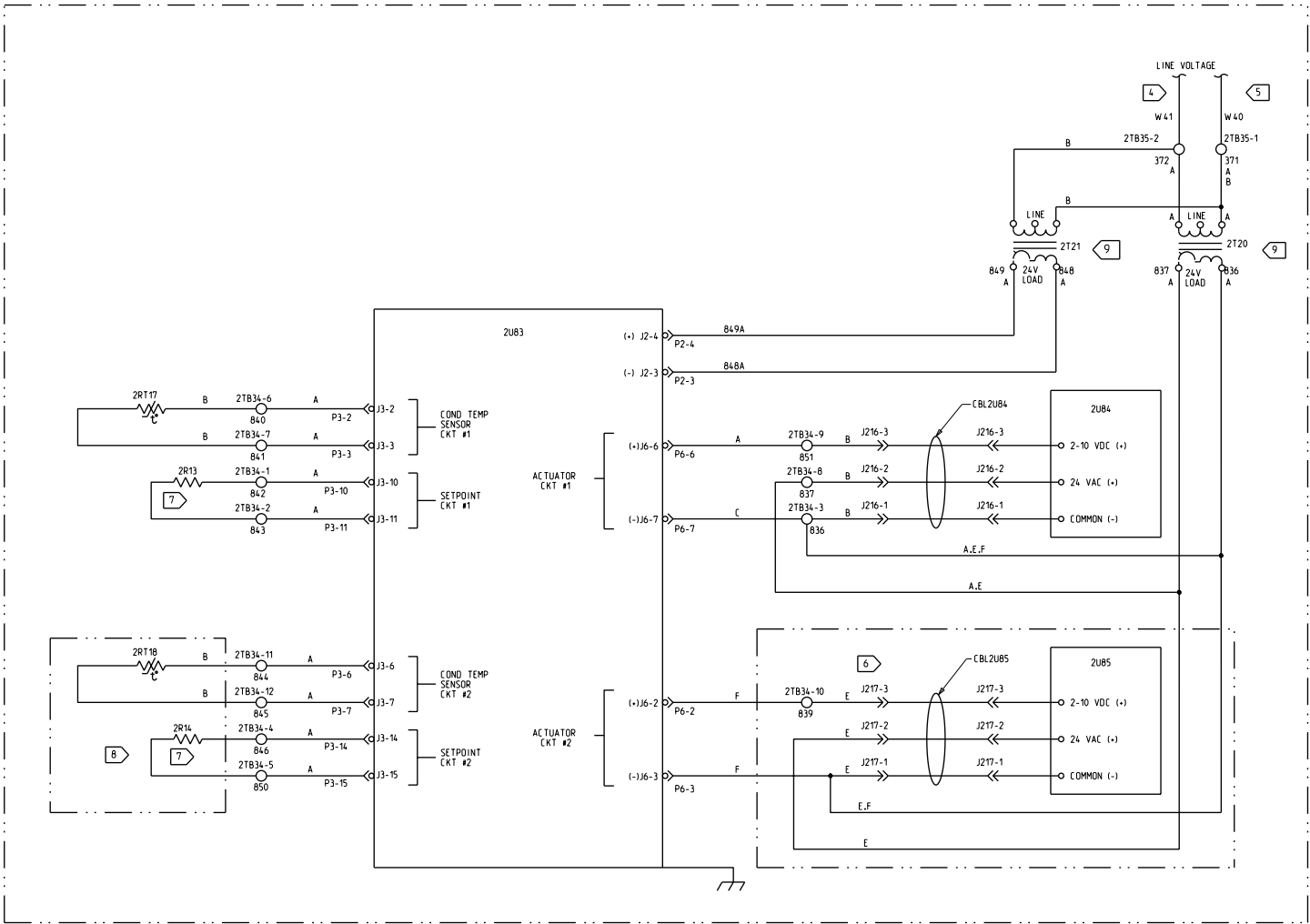




• • LEGEND • •		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
2RT17	CONDENSING TEMP. SENSOR 1	312
2RT18	CONDENSING TEMP. SENSOR 2	319
2T20	ACTUATOR TRANSFORMER	307
2T21	CONTROLLER TRANSFORMER	307
2UB3	MODULATING HEAD PRESSURE CONTROLLER	310
2UB4	LOW AMBIENT DAMPER ACTUATOR NO.1	312
2UB5	LOW AMBIENT DAMPER ACTUATOR NO.2	319
2R13	VARIABLE SETPOINT RESISTOR NO.1	314
2R14	VARIABLE SETPOINT RESISTOR NO.2	321

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

LOW AMBIENT ACTUATOR CONTROL PANEL

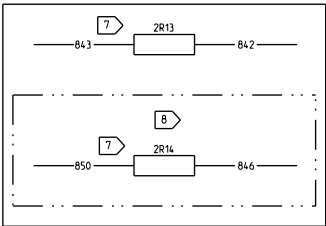
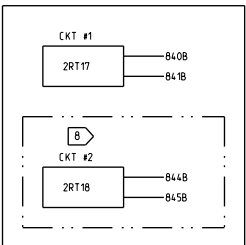
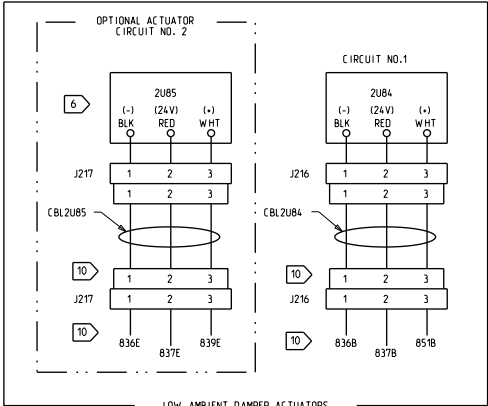
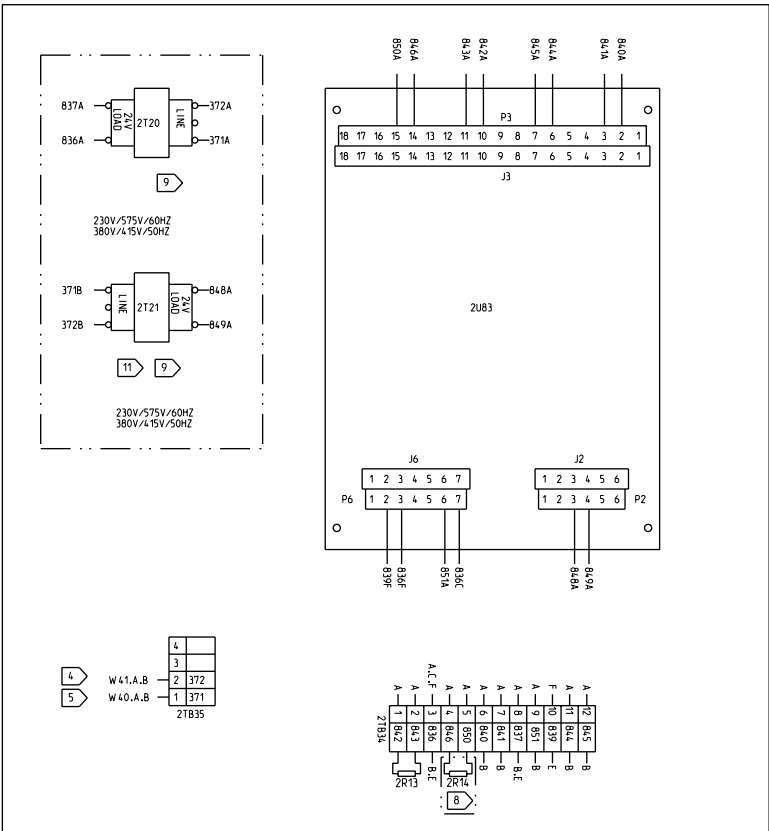
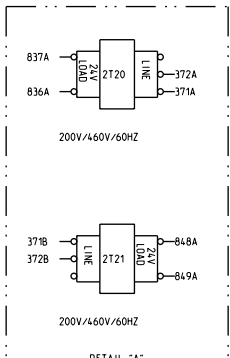


TABLE "B"

RESISTOR SET POINTS	
SET POINT	RESISTANCE
80°	1.87K Ω
85°	2.74K Ω
90°	3.74K Ω
95°	4.87K Ω
100°	6.34K Ω
105°	OPEN
110°	10.0K Ω
115°	12.7K Ω
120°	16.2K Ω
125°	20.5K Ω
130°	26.7K Ω
135°	36.5K Ω
140°	53.6K Ω

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.
- 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.

- CONNECT LINE VOLTAGE WIRE "W41" FROM 2TB35-2 TO LINE SIDE OF A CONDENSER FAN CONTACTOR IN THE MAIN CONTROL BOX (AREA 1).
- CONNECT LINE VOLTAGE WIRE "W40" FROM 2TB35-1 TO LINE SIDE OF A CONDENSER FAN CONTACTOR IN THE MAIN CONTROL BOX (AREA 1).
- LOW AMBIENT ACTUATOR NO.2 (2UB5) AND ASSOCIATED CABLE WIRES REQUIRED FOR 40-130 TON UNITS ONLY.
- REFER TO TABLE "B" FOR RESISTOR SET POINTS
- CONDENSING SENSOR NO.2 (2RT18), SET POINT RESISTOR NO.2 (2R14), AND ASSOCIATED WIRES REQUIRED FOR 40-120 TON UNITS ONLY.
- 230V/60HZ, 380V/50HZ, 415V/50HZ OR 575V/60HZ TRANSFORMERS SHOWN. SEE DETAIL "A" FOR 200V/60HZ OR 460V/60HZ CONNECTIONS.
- JACK/PLUG CONNECTORS & ASSOCIATED WIRES SHOWN ARE LOCATED IN THE LOW AMBIENT ACTUATOR CONTROL PANEL.
- 200/230V UNITS ARE SHIPPED WITH TRANSFORMERS 2T20 & 2T21 WIRED FOR 200V OPERATION.

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 A 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, 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 E.E. 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.

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.

THIS DRAWING IS APPROVED BY AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN CONSENT OF TRANE.	TRANE	FILE NUMBER:	2307-3900	SHEET:	1 OF 1	REV:	E
DRAWN BY: T. J. DEPREST	TRANE @ DATE: 06/04/96	REPLACES: 2307-3848	REVISION DATE: 9-17-09	ROOFTOP PACKAGED AIR CONDITIONER			
CAD SYSTEM: PLOT DETAIL	PHOTO DETAIL	AIR-COOLED CONDENSING HIGH-SIDE PRODUCTS 20 - 120 TON			LOW AMBIENT DAMPER OPTION		