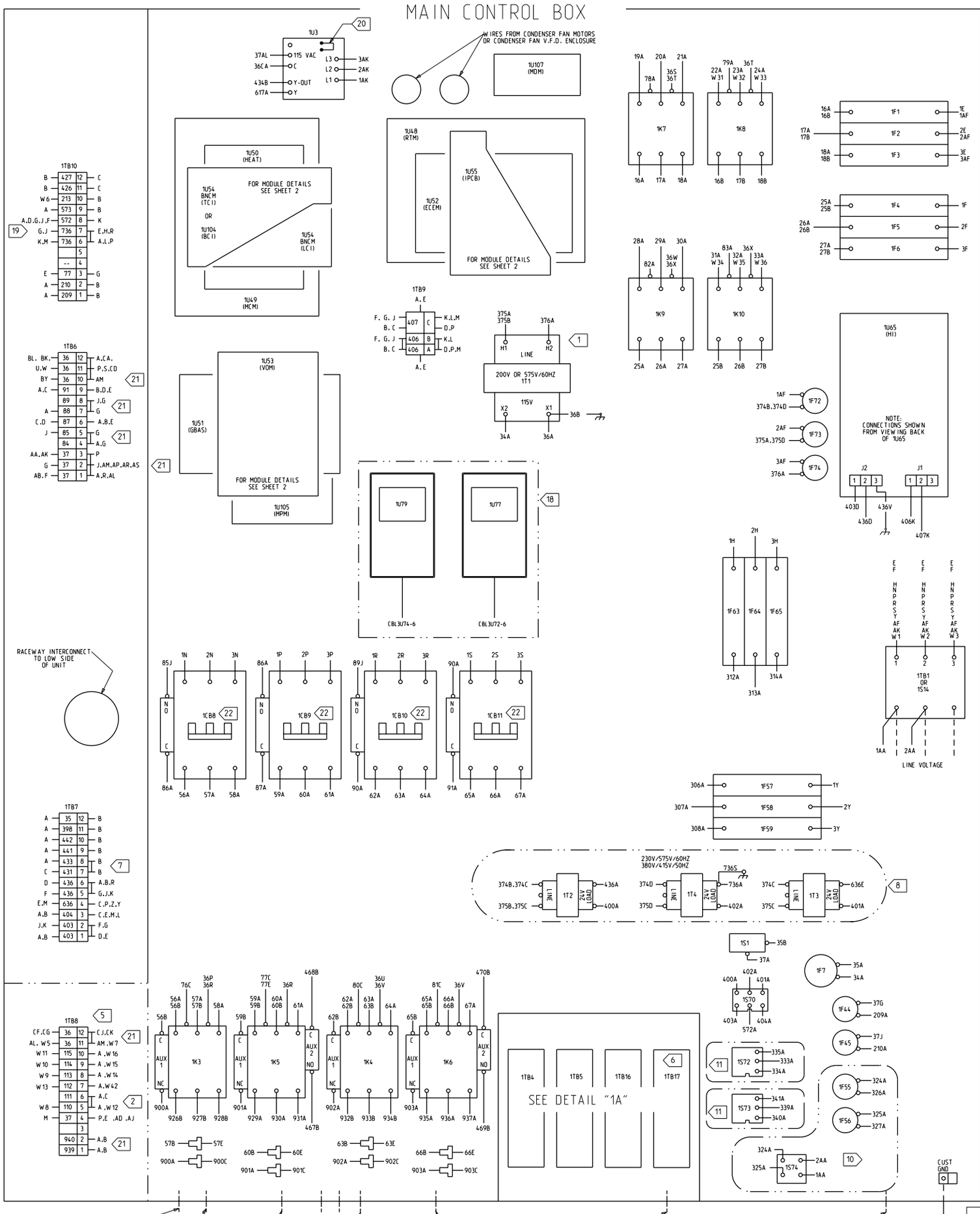
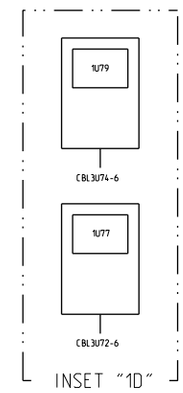
MAIN CONTROL BOX

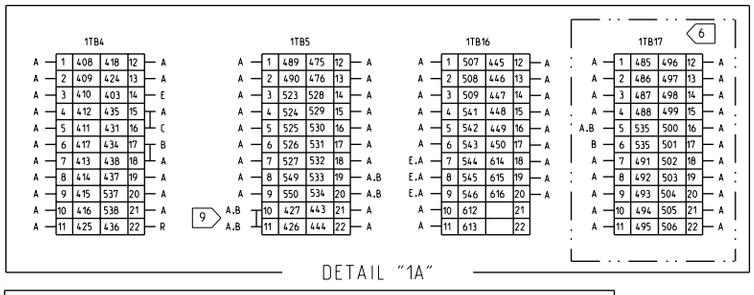


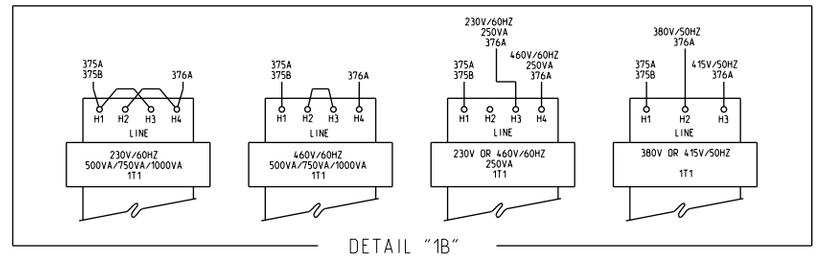
NOTES:

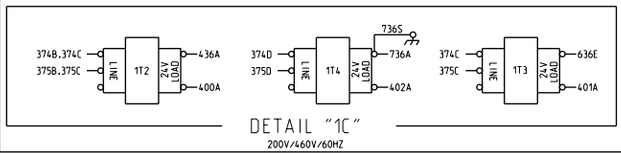
1. 200V/60HZ OR 575V/60HZ TRANSFORMER SHOWN. SEE DETAIL "1B" FOR OTHER VOLTAGE CONNECTIONS.
2. JUMPER (1TB8-5 & 1TB8-6) REQUIRED ONLY ON UNITS WITH 2-STAGE NATURAL GAS HEAT OR ELECTRIC HEAT OPTION.
5. 1TB8 AND ASSOCIATED WIRING REQUIRED WITH ALL HEATING OPTIONS. 1TB8 REQUIRED FOR ALL 75 TON CONTROL BOXES.
6. 1TB17 AND ASSOCIATED WIRING REQUIRED WITH OPTIONAL GBAS (1U51).
7. WHEN HIGH DUCT TEMP T-STAT (3S16-3S17) IS ORDERED JUMPER BETWEEN 1TB7-7 AND 1TB7-8 IS REMOVED.
8. 230V/60HZ, 380V/50HZ, 415V/50HZ OR 575V/60HZ TRANSFORMERS SHOWN. SEE DETAIL "1C" FOR 200V/60HZ OR 460V/60HZ CONNECTIONS.
9. JUMPER INSTALLED ONLY ON UNITS WITHOUT ECONOMIZER OPTION.
10. 1F55, 1F56 ,1S74 AND ASSOCIATED WIRING USED ON CONVENIENCE OUTLET OPTION ONLY.
11. MANUAL BYPASS SWITCH AND ASSOCIATED WIRING OPTIONAL
18. REFER TO INSET "1D" FOR ALTERNATE KEYPAD CONNECTION LAYOUT (1U79 & 1U77)
19. WIRES 572F, 736J & 736G USED WITH RETURN FAN OPTION ONLY.
20. CUT 1U3 PHASE MONITOR JUMPER WIRE ON 380V/415V/50HZ APPLICATIONS ONLY.
21. RACEWAY COMPR WIRES 36CF, 36CG, 36CJ, 36CK, 37AM, 37AP, 37AR, 37AS, 84G, 85G, 88G, 89G, 939A, 939B, 940A & 940B ARE REQUIRED FOR 75 TON UNITS ONLY. (2X METAL JUMPERS BETWEEN 1TB6-4 & 1TB6-5 AND 1TB6-7 & 1TB6-8 ARE NOT REQUIRED FOR 75 TON CONTROL BOXES) TERMINAL BLOCK 1TB8 AND JUMPER WIRE 36AM (1TB6-10 & 1TB8-11) ARE REQUIRED FOR ALL 75 TON CONTROL BOXES.
22. NOTE SYMBOL USED WITH 200/230V UNITS. SYMBOL USED WITH 380/415/460/575V UNITS.



IMPORTANT!
DO NOT ENERGIZE UNIT UNTIL CHEEK-OUT AND START-UP PROCEDURE HAS BEEN COMPLETED.







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.

TRANE
THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE CONSENT OF TRANE.

DRAWN BY: T. DEPRIEST
DRAWN@ DATE: 09/23/08
REPLACES: --
REVISION DATE: 07-JAN-10
CAD SYSTEM USED: Pro/DETAIL
SIMILAR TO: 2307-4615

FILE NUMBER: 2307-9152
DRAWING NUMBER: 2307-9156
SHEET: 1 OF 1
REV: C

ROOFTOP PACKAGED AIR CONDITIONER
DIAGRAM
CONNECTION - CONTROL BOX AREA 1
RT 40-75 TON - SHEET 1 OF 3
W/ SUPPLY & EXH/RET FAN VARIABLE FREQUENCY DRIVES