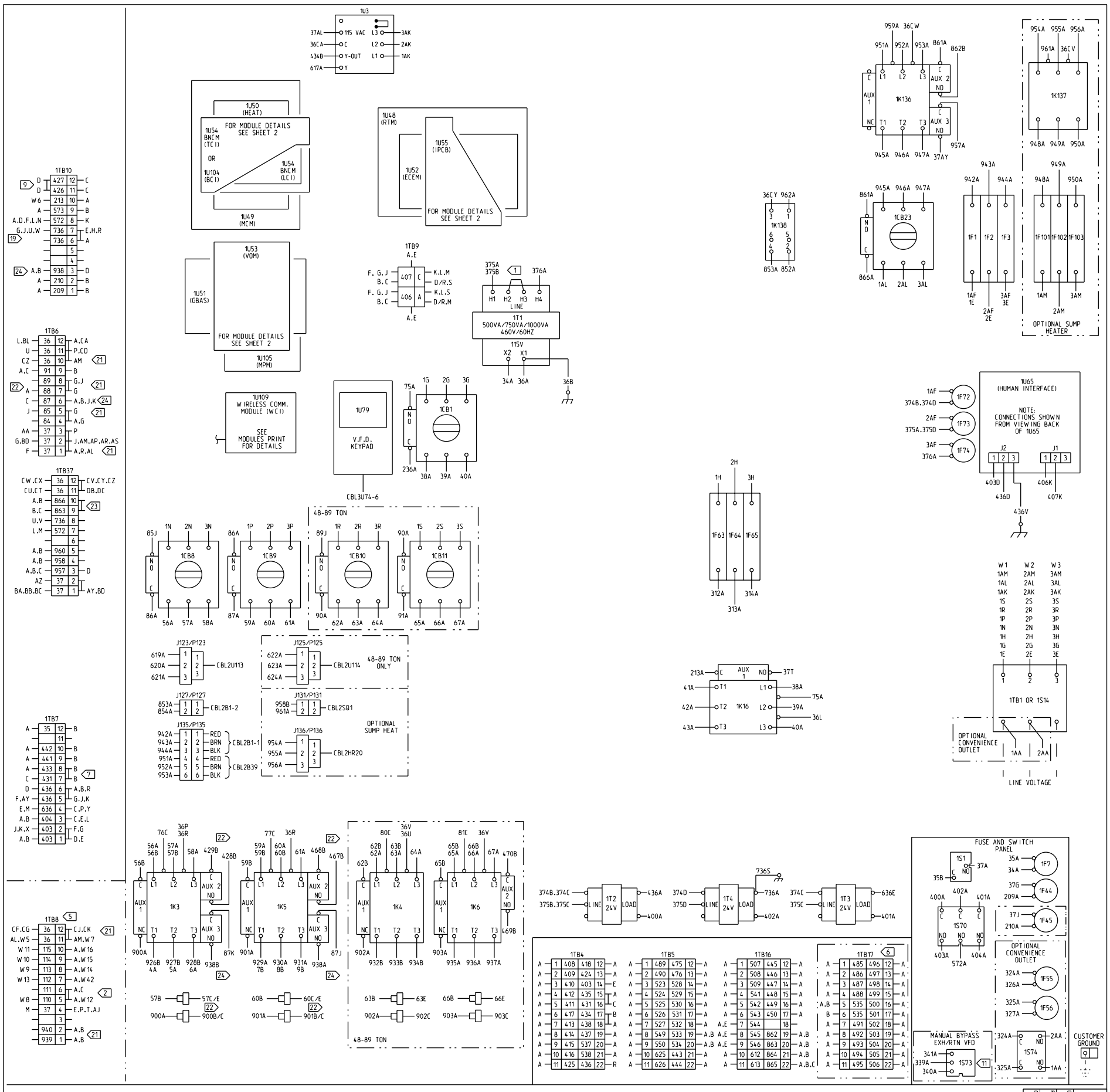


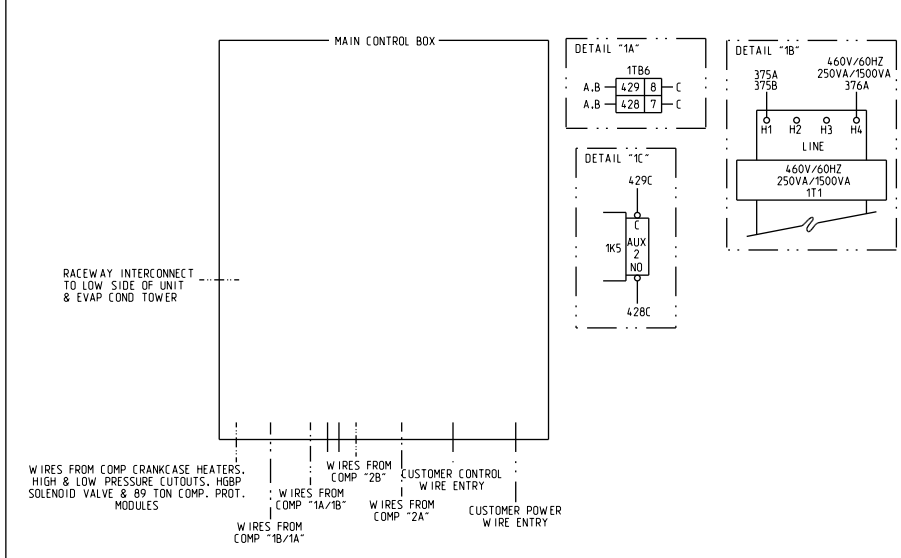


NOTES:

1. 460V/60HZ (500VA/750VA/100VA) TRANSFORMER SHOWN. SEE DETAIL "1B" FOR 460V/60HZ (250VA/1500VA) 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 AND FOR ALL 89 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.
9. JUMPER INSTALLED ONLY ON UNITS WITHOUT ECONOMIZER OPTION.
11. MANUAL BYPASS SWITCH AND ASSOCIATED WIRING OPTIONAL.
19. WIRES 572F, 736J & 736G USED WITH RETURN FAN OPTION ONLY.
21. RACEWAY COMPRESSOR WIRES 36CF, 36CG, 36CJ, 36CK, 37AM, 37AP, 37AR, 37AS, 84G, 85G, 88G, 89G, 939A, 939B, 940A & 940B ARE REQUIRED FOR 89 TON UNITS ONLY. (2X METAL JUMPERS BETWEEN 1TB6-4 & 1TB6-5 AND 1TB6-7 & 1TB6-8 ARE NOT REQUIRED FOR 89 TON CONTROL BOXES) TERMINAL BLOCK 1TB8 AND JUMPER WIRE 36AM (1TB6-10 & 1TB8-11) ARE REQUIRED FOR ALL 89 TON CONTROL BOXES.
22. FOR 24-36 TON WIRING, SEE INSET 1A & INSET 1C. FOR 29 TON WIRING, USE WIRES 57C, 900B, 60C & 901B.
23. WHEN CONDUCTIVITY MODULE (2U111) IS USED, REMOVE JUMPER AND ATTACH WIRE 866B TO 1TB37-10 AND WIRE 863C TO 1TB37-9.
24. WIRES 87K & 938B USED ON 24-36 TON UNITS WITH OPTIONAL HOT GAS BYPASS. WIRES 87J & 938A USED ON 24-89 TON UNITS WITH OPTIONAL HOT GAS BYPASS.

TRANE

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DRAWN BY: K. EDWARDS
REPLACES: 2313-1100-B
TRANE® DATE: 7/26/12
LAB SYSTEM MODEL: Pro/DETAIL
SIMILAR TO: --
REVISION DATE: --

FILE NUMBER: 2313-1148
ROOFTOP PACKAGED AIR CONDITIONER
DIAGRAM
CONNECTION - CONTROL BOX AREA 1 24-89 TON
EVAP COOLED W/ EXH/RET FAN V.F.D.
SHEET 1 OF 3

DRAWING NUMBER: 2313-1151
SHEET: 1 OF 1
REV: A