

NOTES:

- [2] OPTIONAL CLOGGED FILTER SWITCH.
- [3] REQUIRED FOR OPTIONAL VENTILATION OVERRIDE.
- [4] REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL.
- [5] REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL.
- [6] WIRING SHOWN IS FOR UNITS WITHOUT OPTIONAL COMMUNICATIONS BOARD (LC1/TC1/BC1) OR DEHUMIDIFICATION. FOR OPTIONAL CONNECTIONS, SEE INSET A.
- [7] WIRING SHOWN IS FOR UNITS WITH OPTIONAL ECONOMIZER WITHOUT STATITRAC OPTION. FOR OPTIONAL CONNECTIONS, SEE INSET B.
- [8] REQUIRED FOR OPTIONAL 50% POWERED EXHAUST.
- [9] XFM2 REQUIRED FOR OPTIONAL 100% POWERED EXHAUST.
- [10] REQUIRED FOR OPTIONAL FRESH AIR TRACKING EXHAUST. NOTE: ON STATITRAC UNITS, CONNECTIONS ARE MADE WITH WIRES 182B AND 183B (NOT 182A AND 183A).
- [11] CUSTOMER TO PROVIDE WIRES 408A (WHT), 409A (BLK) AND GROUND WIRE (G/Y) WHEN FIELD POWERED.

- [15] WIRES 51A, 52A, & 53A ARE USED ON LOW HEAT UNITS ONLY. ON HIGH HEAT UNITS, WIRES 51D, 52D, & 53D WILL BE PRESENT.
- [16] UNITS WITH LOW HEAT HAVE SINGLE HEAT EXCHANGER. HIGH HEAT UNITS HAVE TWO HEAT EXCHANGERS.

- [17] IGVA NOT USED ON UNITS WITH VARIABLE FREQUENCY DRIVES.

- [18] SEE APPLICABLE VARIABLE FREQUENCY DRIVE DIAGRAM FOR BALANCE OF CIRCUIT.

- [19] PLUGS LOCATED IN MAIN CONTROL PANEL.

- [20] WIRES REQUIRED FOR V.F.D. WITH BYPASS OPTION ONLY.

- [21] WIRES 154A & 155A ARE USED FOR IGV OPTION AND CONNECT TO P34. WIRES 154B & 155B ARE USED FOR VFD OPTION AND CONNECT TO P35.

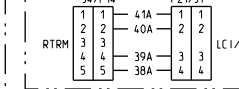
- [22] SENSOR EET AND WIRES 110A & 111A USED WITH OPTIONAL DEHUMIDIFICATION AND IS ATTACHED TO CIRCUIT 1 FOR 27.5-35 TON UNITS, AND TO CIRCUIT 2 FOR 40-50 TON UNITS.

- [23] WIRE 117A IS REQUIRED TO ENABLE DEHUMIDIFICATION. WIRES 141A AND 142A ARE USED WITH DEHUMIDIFICATION AND CUSTOMER INSTALLED SPACE HUMIDITY SENSOR (SHS). WIRES 112A AND 113A ARE USED WITH DEHUMIDIFICATION AND CUSTOMER INSTALLED HUMIDISTAT (HST).

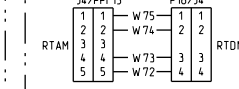
FUSE REPLACEMENT TABLE				
FU1	208-230V	CLASS CC	20 AMP	
FU2	380-415V	CLASS CC	20 AMP	
	460-575V	CLASS CC	15 AMP	
FU3	208-230V	CLASS CC	20 AMP	
FU4	380-415V	N/A	N/A	
	460-575V	N/A	N/A	
FU5	208-230V	CLASS CC	15 AMP	
FU6	380-415V	CLASS CC	7.5 AMP	
FU30	460-575V	CLASS CC	7.5 AMP	
FU20	208-230V	CLASS CC	10 AMP	
FU21	460-575V	CLASS CC	5 AMP	

INSET A - OPTIONAL MODBUS CONNECTIONS

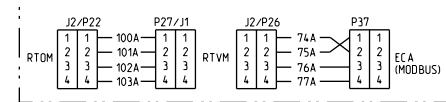
WITH OPTIONAL COMM.



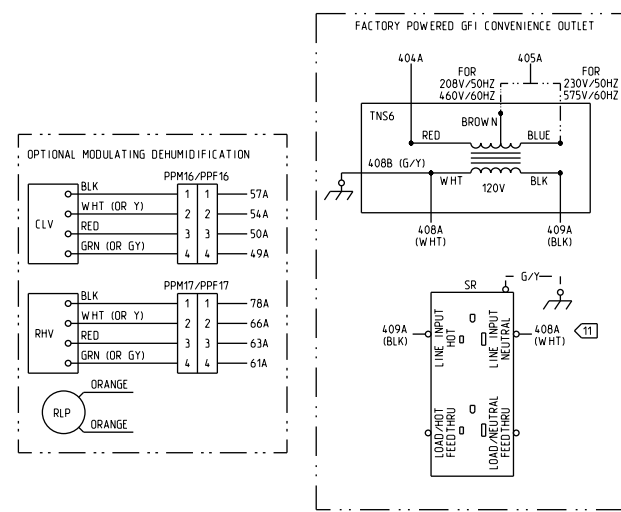
WITH OPTIONAL DEHUMIDIFICATION



INSET B - STATITRAC MODBUS CONNECTIONS



CONDENSER SECTION WIRING



11 X 17 METAL PLATE

TRANE		FILE NUMBER: 2313-0663	DRAWING NUMBER: 2313-0687	SHEET: 1 OF 1	REV: D
VOYAGER 3					
RACEWAY DEVICES CONNECTION PRINT					
50 TON					
VARIABLE AIR VOLUME					
MODULATING GAS HEAT					

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

DRAWN BY: B. WALDEN

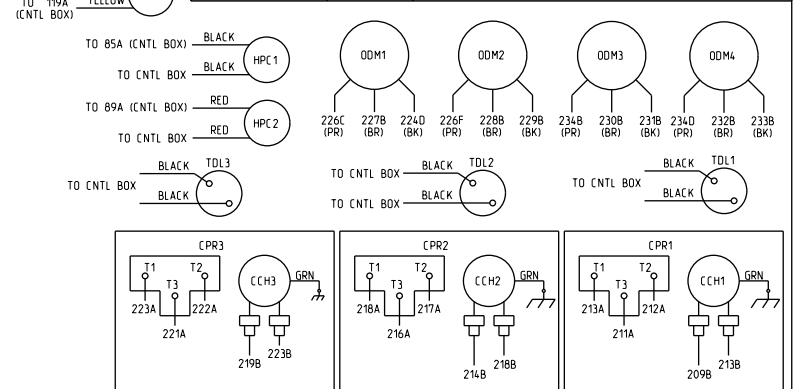
TRANE DATE: 8/20/09

REPLACES:

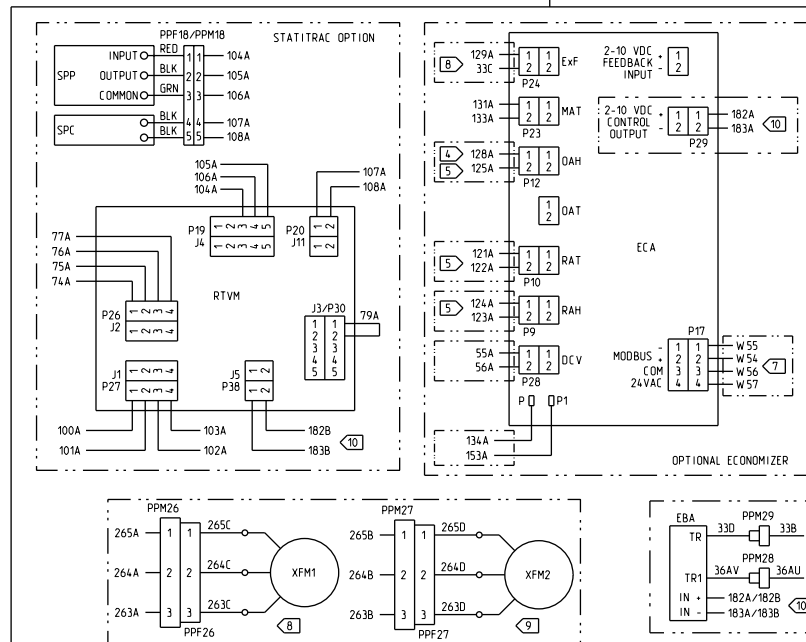
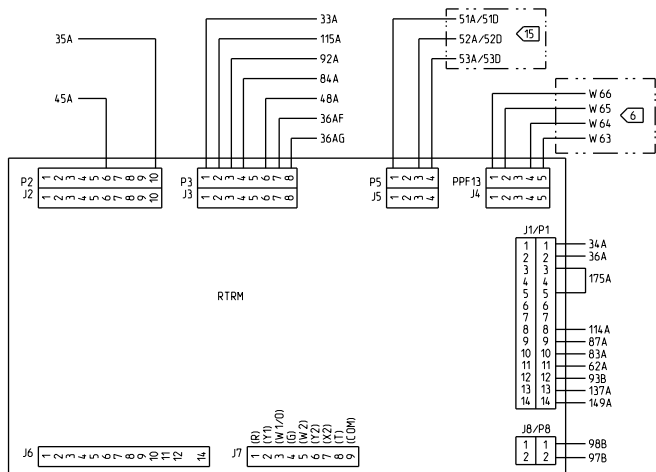
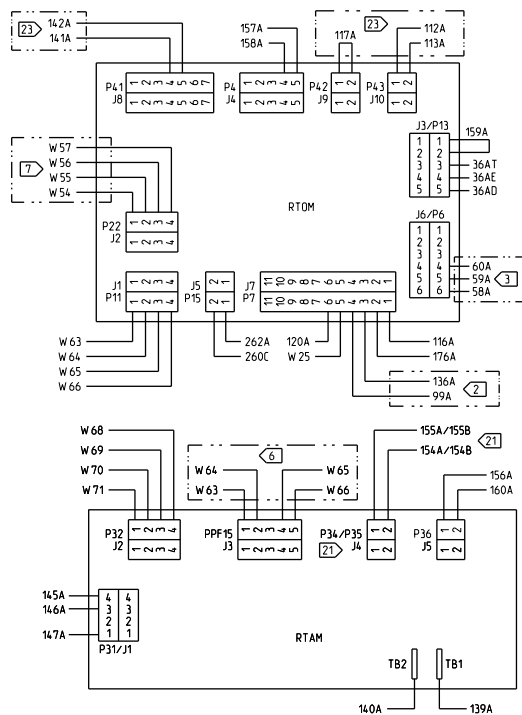
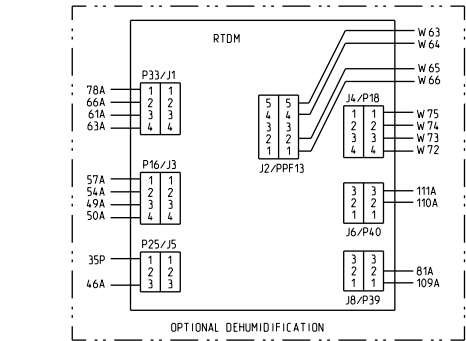
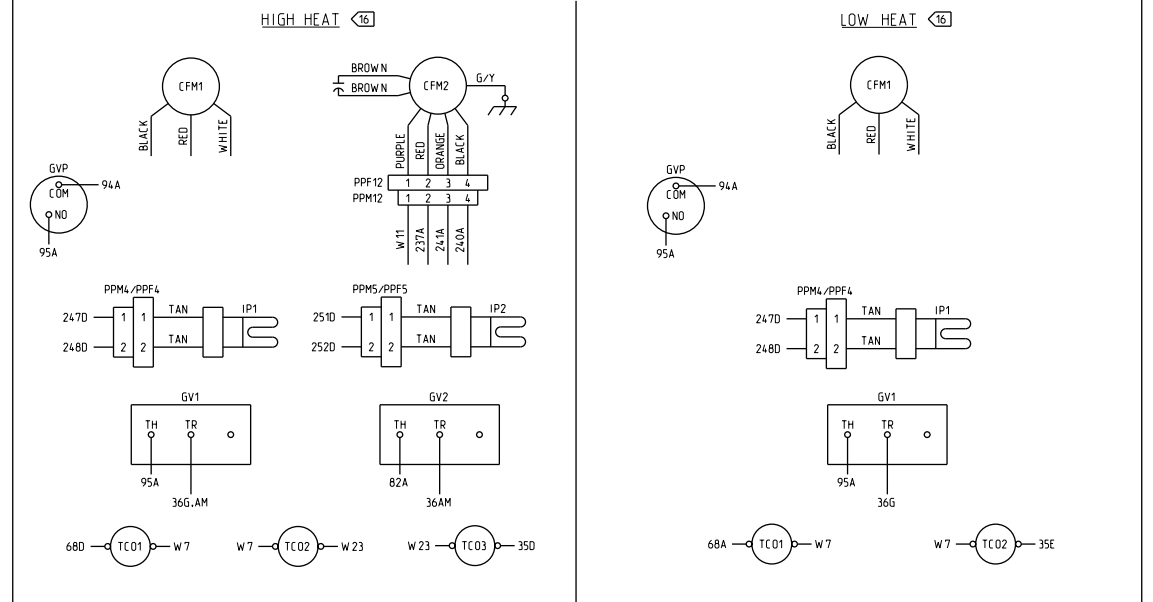
REVISION DATE: 1A-JAN-10

CAD SYSTEM USED: PRO/DETAIL

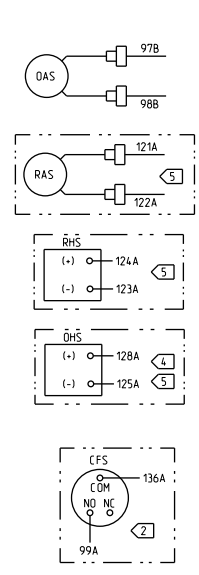
SIMILAR TO:



HEAT SECTION WIRING



RETURN AIR SECTION WIRING



SUPPLY AIR SECTION WIRING

