

## NOTES:

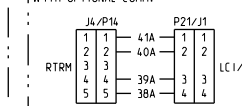
- 2 OPTIONAL CLOGGED FILTER SWITCH.
- 3 REQUIRED FOR OPTIONAL VENTILATION OVERRIDE.
- 4 REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL.
- 5 REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL.
- 6 WIRING SHOWN IS FOR UNITS WITHOUT OPTIONAL COMMUNICATIONS BOARD (LCI/TCI/BCI) OR DEHUMIDIFICATION. FOR 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.
- 12 WIRE 36AE IS NOT USED FOR 35 TON UNITS.

- 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 LET 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).

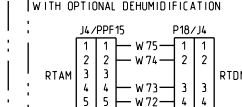
| FUSE REPLACEMENT TABLE |          |          |        |  |
|------------------------|----------|----------|--------|--|
| FU1                    | 208-230V | CLASS CC | 20 AMP |  |
| FU2                    | 380-415V | CLASS CC | 15 AMP |  |
|                        | 460-575V | CLASS CC | 15 AMP |  |
| FU3                    | 208-230V | CLASS CC | 15 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 | 5 AMP  |  |
|                        | 460-575V | CLASS CC | 5 AMP  |  |
| FU20                   | 208-230V | CLASS CC | 10 AMP |  |
| FU21                   | 460-575V | CLASS CC | 5 AMP  |  |

## INSET A - OPTIONAL MODBUS CONNECTIONS

WITH OPTIONAL COMM.

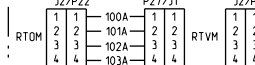


## WITH OPTIONAL DEHUMIDIFICATION

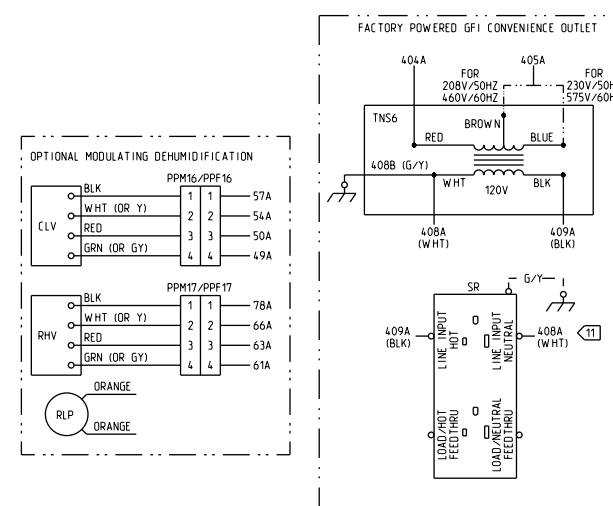


## INSET B - STATITRAC MODBUS CONNECTIONS

WITH STATITRAC OPTION



## CONDENSER SECTION WIRING



11 X 17 METAL PLATE

TO 114A (CNTL BOX) BLUE LPC1  
TO 118A (CNTL BOX) BLUE LPC1

TRANE

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DRAWN BY: B. WALDEN  
REPLACES: 8/20/09  
CAD SYSTEM USED: PRO/DETAIL  
SIMILAR TO:

FILE NUMBER: 2313-0663

DRAWING NUMBER: 2313-0679

SHEET: 1 OF 1

REV: D

VOYAGER 3

RACEWAY DEVICES CONNECTION PRINT

27.5-35 TON

VARIABLE AIR VOLUME

2 STAGE GAS HEAT

TO 85A (CNTL BOX) BLACK HPC1

TO CNTL BOX BLACK HPC1

TO 88B (CNTL BOX) RED HPC2

TO CNTL BOX RED HPC2

