

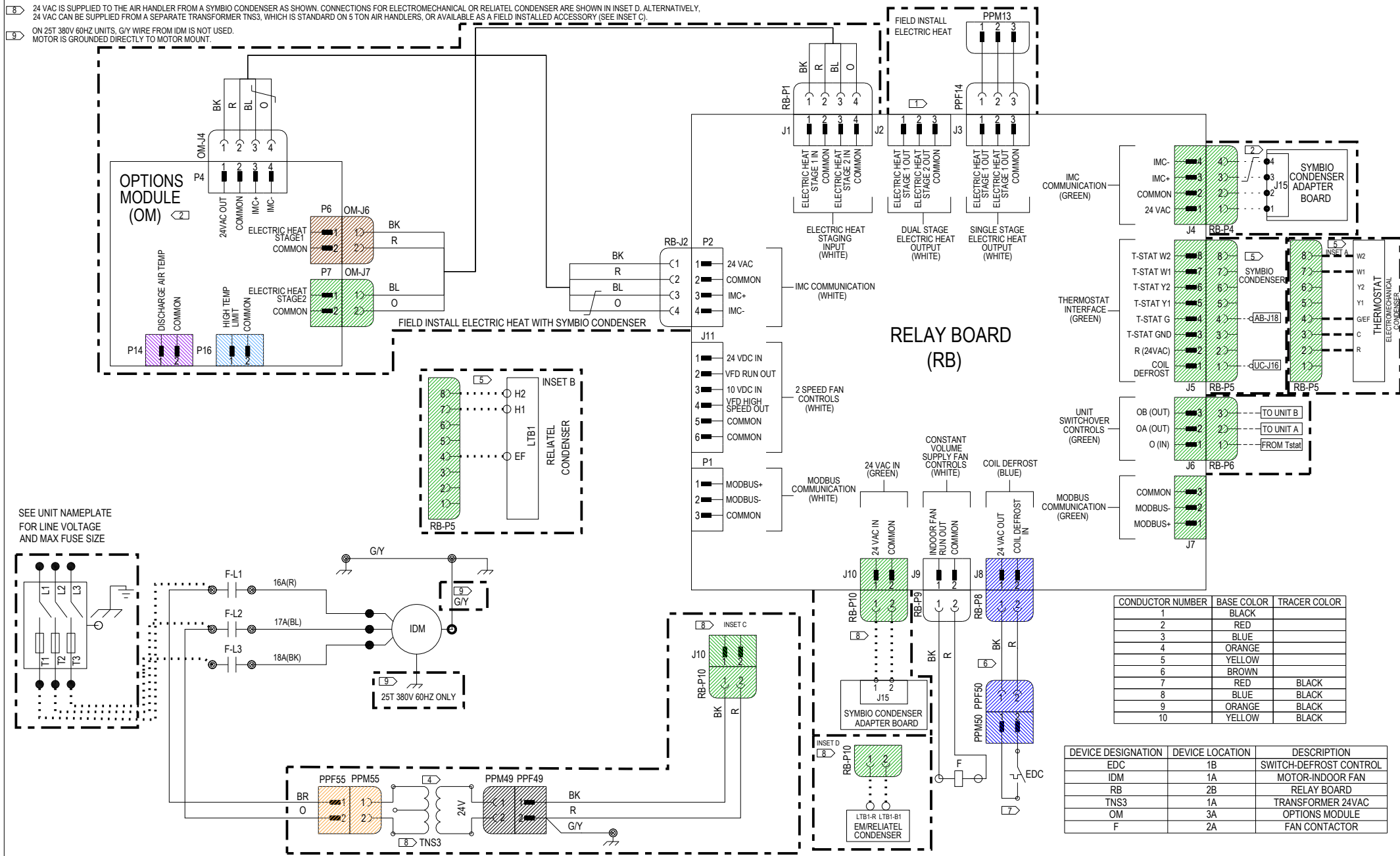
- FOR 2-STAGE ELECTRIC HEAT, MOVE ELECTRIC HEAT PLUG (PPF14) FROM SINGLE STAGE ELECTRIC HEAT OUTPUT (RB-J3) TO DUAL STAGE ELECTRIC HEAT OUTPUT (RB-J2). SEE ELECTRIC HEAT DIAGRAM FOR APPROPRIATE WIRING.
- AIR HANDLER THAT IS PAIRED WITH A SYMBIO CONDENSER REQUIRES OPTIONS MODULE TO CONTROL ELECTRIC HEAT. INSTALL IMC COMMUNICATION HARNESS TO RELAY BOARD (RB-P2) AND OPTIONS MODULE (OM-P4).
- INSTALL ELECTRIC HEAT CONTROLS HARNESS TO RELAY BOARD (RB-J1) AND OPTIONS MODULE (OM-P6 & OM-P7). WIRE IMC CONNECTIONS FROM RELAY BOARD (RB-P4) TO ADAPTER BOARD (AB-J15) IN CONDENSER.
- CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH UNIT. FOR 208V/60HZ/3PH OPERATION, MOVE WIRE FROM 230V TERMINAL TO 208V TERMINAL ON UNIT TRANSFORMER. FOR ALL OTHER VOLTAGES TRANSFORMERS ARE SINGLE TAP PRIMARY AND WILL BE SHIPPED FROM FACTORY WITH THE APPROPRIATE WIRING.
- WIRING SHOWN IS APPLICABLE TO UNITS THAT ARE PAIRED WITH SYMBIO CONDENSER. SEE INSET A FOR STANDARD THERMOSTAT WIRING. SEE INSET B FOR WIRING FROM RELIATEL CONDENSER.
- FOR PAIRING WITH ELECTROMECHANICAL OR RELIATEL CONDENSER, CUT WIRES AT RB-P8 AND SPLICE WITH WIRES THAT CONNECT TO EDC TERMINALS IN CONDENSER.
- SWITCH IS SHIPPED IN THE NORMALLY OPEN CONFIGURATION. FOR PAIRING WITH ELECTROMECHANICAL OR RELIATEL CONDENSER, MOVE WIRE FROM TERMINAL "H" TO TERMINAL "L" ON EDC SWITCH ENABLING NORMALLY CLOSED SWITCH OPERATION.
- 24 VAC IS SUPPLIED TO THE AIR HANDLER FROM A SYMBIO CONDENSER AS SHOWN. CONNECTIONS FOR ELECTROMECHANICAL OR RELIATEL CONDENSER ARE SHOWN IN INSET D. ALTERNATIVELY, 24 VAC CAN BE SUPPLIED FROM A SEPARATE TRANSFORMER TNS3, WHICH IS STANDARD ON 5 TON AIR HANDLERS, OR AVAILABLE AS A FIELD INSTALLED ACCESSORY (SEE INSET C).
- ON 25T 380V 60HZ UNITS, G/Y WIRE FROM IDM IS NOT USED. MOTOR IS GROUNDED DIRECTLY TO MOTOR MOUNT.

DESIGNER: SONALI V
 ENGINEER: B JONES
 TRANE © DATE: 8/27/2019
 REPLACES:
 SIMILAR TO:
 REVISION DATE: 12/16/2019
 REVISED BY: S VAVHAL
 APPROVED BY: D MCGREGOR
 CAD SYSTEM USED: CREO SCHEMATIC

TRANE®

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 AND SHALL NOT BE COPIED OR
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ODYSSEY
 DIAGRAM
 SCHEMATICS: AIR HANDLER
 TWO-CONSTANT VOLUME
 (3 PHASE)
 MASTER NUMBER: 12133271
 DRAWING NUMBER: 1 OF 1
 SHEET: 1
 REV: B



CONDUCTOR NUMBER	BASE COLOR	TRACER COLOR
1	BLACK	
2	RED	
3	BLUE	
4	ORANGE	
5	YELLOW	
6	BROWN	
7	RED	BLACK
8	BLUE	BLACK
9	ORANGE	BLACK
10	YELLOW	BLACK

DEVICE DESIGNATION	DEVICE LOCATION	DESCRIPTION
EDC	1B	SWITCH-DEFROST CONTROL
IDM	1A	MOTOR-INDOOR FAN
RB	2B	RELAY BOARD
TNS3	1A	TRANSFORMER 24VAC
OM	3A	OPTIONS MODULE
F	2A	FAN CONTACTOR