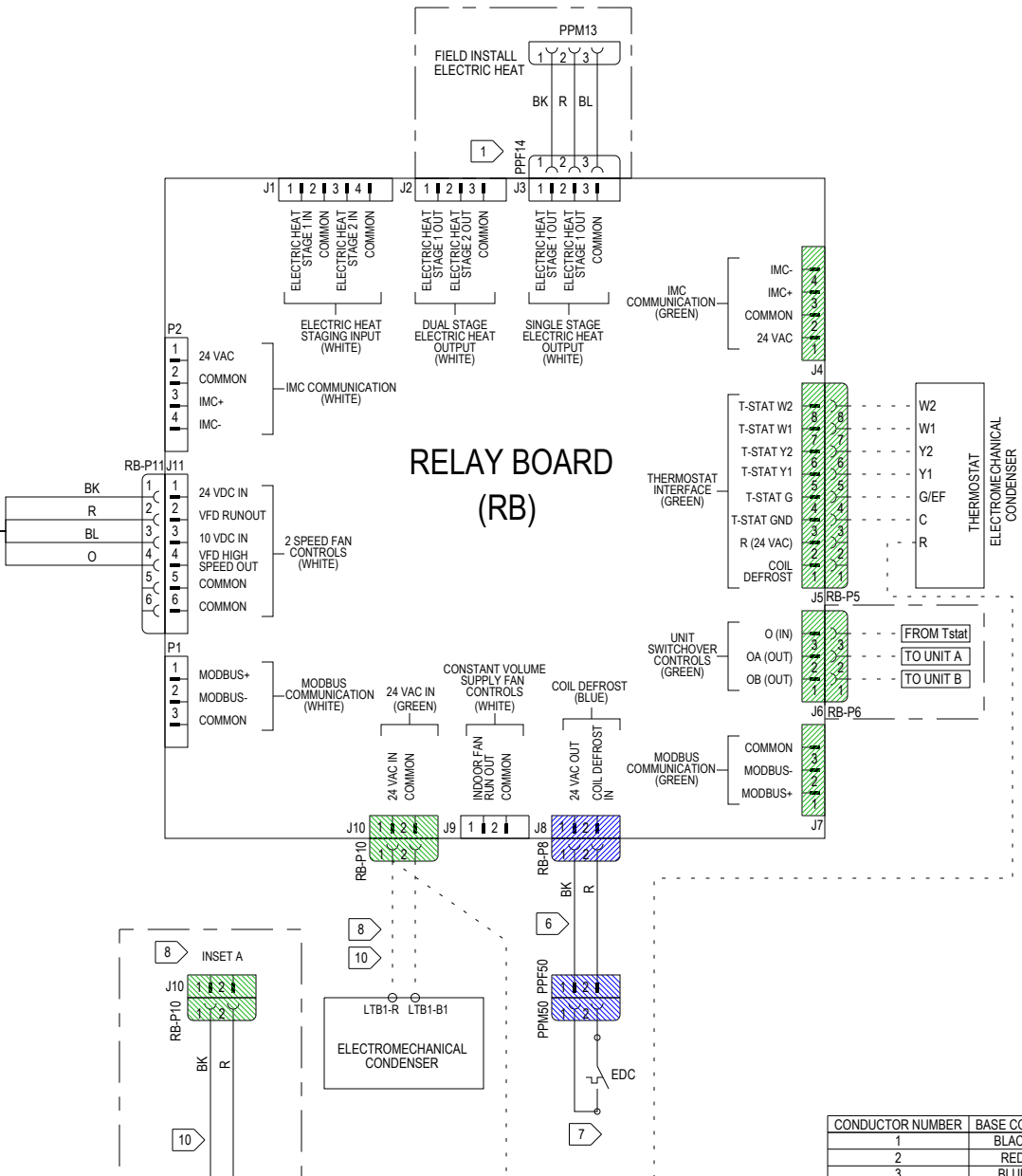
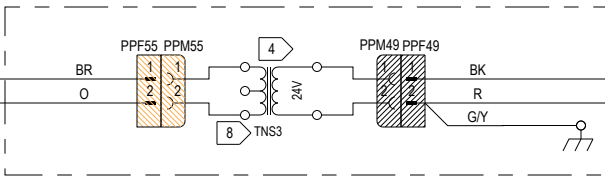
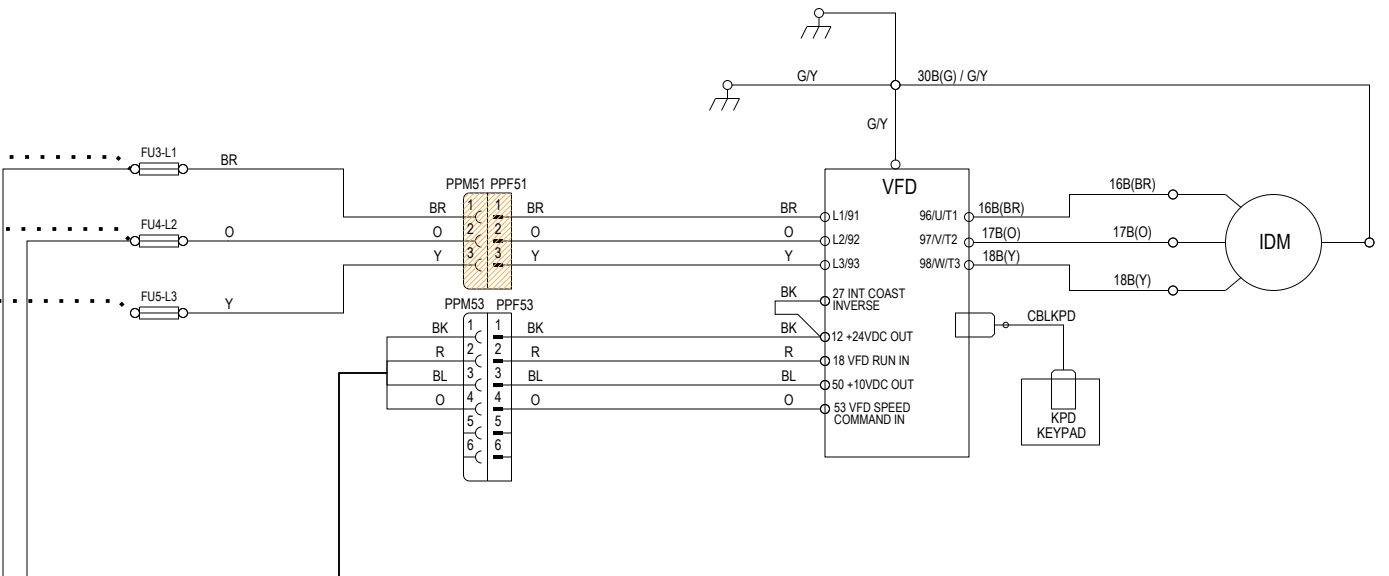
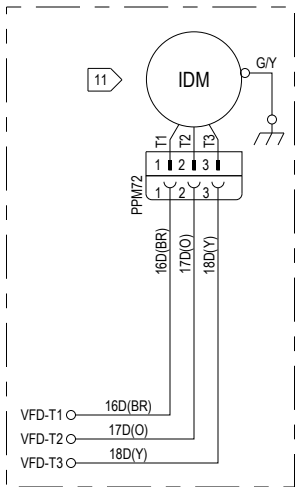
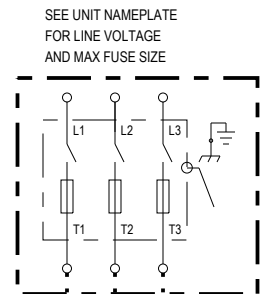


DEVICE DESIGNATION	DEVICE LOCATION	DESCRIPTION
EDC	40	SWITCH-DEFROST CONTROL
FU3,FU4,FU5	31,33,35	FUSE
IDM	33	MOTOR-INDOOR FAN
RB	22	RELAY BOARD
TNS3	50	TRANSFORMER 24VAC
VFD	31	VARIABLE FREQUENCY DRIVE



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

FUSE REPLACEMENT TABLE

FUSE DESIGNATION	FUSE CLASS	UNIT VOLTAGE	FUSE RATING	2HP MOTOR	3HP MOTOR	5HP MOTOR	7.5HP MOTOR
FU3-FU5	J	208V/60/3	600V	15A	25A	50A	50A
FU3-FU5	J	230V/60/3	600V	15A	25A	50A	50A
FU3-FU5	J	460V/60/3	600V	15A	15A	15A	25A
FU3-FU5	J	575V/60/3	600V	20A	20A	20A	20A

- 1 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.
- 4 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 THE FACTORY WITH THE APPROPRIATE WIRING.
- 6 FOR PAIRING WITH ELECTROMECHANICAL CONDENSER, CUT WIRES AT RB-P8 AND SPLICE WITH WIRES THAT CONNECT TO EDC TERMINALS IN CONDENSER
- 7 SWITCH IS SHIPPED IN THE NORMALLY OPEN CONFIGURATION. FOR PAIRING WITH ELECTROMECHANICAL CONDENSER, MOVE WIRE FROM TERMINAL "H" TO TERMINAL "L" ON EDC SWITCH ENABLING NORMALLY CLOSED SWITCH OPERATION.
- 8 24VAC IS SUPPLIED TO THE AIR HANDLER FROM EM CONDENSER AS SHOWN. ALTERNATIVELY, 24VAC CAN BE SUPPLIED FROM A SEPARATE TRANSFORMER TNS3, AVAILABLE AS A FIELD INSTALLED ACCESSORY (SEE INSET A).
- 10 FOR THERMOSTAT CONTROL, THERMOSTAT TERMINAL "R" WIRE MUST BE CONNECTED TO RB-P10 PIN-1 ALONG WITH THE 24VAC FROM THE EM CONDENSER. IF TNS3 IS INSTALLED, THERMOSTAT TERMINAL "R" WIRE MUST BE SPLICED WITH THE BLACK WIRE GOING TO RB-P10 PIN-1 SINCE 24VAC CONNECTIONS TO THE CONDENSER ARE NOT USED.
- 11 CONNECTIONS SHOWN FOR 7.5HP - 208/230/460/575V MOTOR

DESIGNER: RAM R
ENGINEER: TINTU K
TRANE © DATE: 08-NOV-2021
REPLACES:
SIMILAR TO:
REVISION DATE:
REVISED BY:
APPROVED BY: TINTU K
CAD SYSTEM USED: CREO SCHEMATICS

TRANE®

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

ODYSSEY
SCHEMATICS

AIR HANDLER
TWE-2 SPEED FAN
(EM COND)

MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
	12134235	1 OF 1	A