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LEGEND		
REF DES	DESCRIPTION	LINE NO
COF	SWITCH-CONDENSATE OVERFLOW	290
ETS1	SENSOR-EVAPORATOR TEMP	253
IOM	MODULE-INDOOR OPTIONS	252
SASD	SENSOR-SUPPLY AIR SMOKE DETECTOR	244
SFT	SENSOR-SUPPLY FAN ENTERING AIR TEMP	298
SPT	TRANSDUCER-STATIC PRESSURE	266

OPTIONAL SUPPLY AIR SMOKE DETECTOR
SASD: 24VAC IN, SMOKE DETECTOR OUT, COMMON
PPF122 — PPM22 PPF22 (BK, R, BL)

OPTIONAL HOT GAS REHEAT OR EFLEX
ETS1
PPM154 PPF154 — PPM54 PPF54
J9 P9: 24 VDC OUT, 24 VDC OUT, UNIVERSAL INPUT 1, UNIVERSAL INPUT 2, UNIVERSAL INPUT 3, COMMON (RED)

P10: ANALOG OUTPUT 4, COMMON (GRAY)

4 TO SCR-A
J11 P11: 24 VDC OUT, UNIVERSAL INPUT 4, ANALOG OUTPUT 1, COMMON (BLUE)

OPTIONAL MULTIZONE VAV
SPT: COMMON, 0-5 VDC OUT, 5 VDC IN
PPF125 — PPM25 PPF25
P1 J1: COMMON, SUPPLY AIR PRESSURE IN, 5 VDC OUT (WHITE)

J2: COMMON, UNIVERSAL IO 2(ALT), 5 VDC OUT (WHITE)

P12: 24 VDC OUT, UNIVERSAL IO 1, COMMON, TRANSDUCER ZEROING PIN (BLACK)

P13: 24 VDC OUT, UNIVERSAL IO 1, COMMON, TRANSDUCER ZEROING PIN (WHITE)

J1 P1: 24 VAC OUT, SA SMOKE DETECTOR INPUT, COMMON (BLACK)

P2: MODBUS +, MODBUS -, COMMON
P3: MODBUS +, MODBUS -, COMMON

TO IMC-R SHEET 6 LINE 304
J4 P4: 24 VAC OUT, COMMON, IMC +, IMC - (BK, R, BL, O)
IMC BUS (WHITE)

TO IMC-1 SHEET 3 LINE 125
J5 P5: 24 VAC OUT, COMMON, IMC +, IMC - (BK, R, BL, O)
IMC BUS (WHITE)

INDOOR OPTIONS MODULE (IOM)

P14: UNIVERSAL INPUT 5, COMMON (PURPLE)
P15 J15: 24 VDC OUT, CONDENSATE OVERFLOW IN (WHITE)
P16: 24 VAC OUT, BINARY INPUT 2 (MINT)
P17: 24 VAC OUT, FAN PROVING IN (RED)
P18: 24 VAC OUT, BINARY INPUT 4 (PINK)
P19: 24 VAC OUT, BINARY INPUT 5 (ORANGE)
J4: 24 VDC OUT, UNIVERSAL INPUT 7 (GREEN)
J5 P5: UNIVERSAL INPUT 6, COMMON (GREEN)
J6: ANALOG OUTPUT 2, COMMON (GREEN)
P20: SUPPLY VOLTAGE IN, BINARY OUTPUT 4 (BLUE)
P21: ANALOG OUTPUT 3, COMMON (YELLOW)

PPF21 / PPM21 (BK, R)
PPF121 (BK, R) — COF
OPTIONAL CONDENSATE OVERFLOW SWITCH

PPF163 / PPM163 (BK, R)
PPF162 (BK, R) — SFT
OPTIONAL MOD GAS

(BROWN) ELECTRIC HEAT STAGE 1, COMMON — P6 J6 (BK, R) — TO HC1 A/B
(GREEN) ELECTRIC HEAT STAGE 2, COMMON — P7 J7 (BK, R) — TO HC2 A/B
(BLACK) ELECTRIC HEAT STAGE 3, COMMON — P8 J8 (BK, R) — INSET B 3 — TO HC1 B

J11 P11: ADDRESS 1, GND, ADDRESS 2, GND, ADDRESS 3, GND, ADDRESS 4, GND (BLACK)

INSET A
1 TO IMC-1 SHEET 3 LINE 125
TO IMC-1 SHEET 3 LINE 125
J4 (BK, R, BL, O) — J5 (BK, R, BL, O)
IMC-JUMPER

NOTES: (SEE SHEET 1 FOR STANDARD NOTES 1-3 & WIRE COLOR TABLE.)

1. INDOOR OPTIONS MODULE ONLY PRESENT ON CERTAIN CONFIGURATIONS. IF IOM IS PRESENT, IMC HARNESSES CONNECT TO IOM. SEE INSET A FOR IMC WIRING CONNECTIONS WHEN IOM IS NOT PRESENT. IF IOM IS NOT PRESENT, IOM-J4 CONNECTS TO IOM-J5 WITH IMC-JUMPER HARNESS.
2. SEE APPLICABLE HEATING SECTION DIAGRAM FOR BALANCE OF CIRCUIT WHEN OPTIONAL ELECTRIC HEAT IS REQUIRED
3. WIRING SHOWN FOR UNITS WITH STAGED ELECTRIC HEAT. SEE INSET B FOR UNITS WITH 230V 54KW OR 230V 72KW MODULATING ELETRIC HEAT.
4. SEE APPLICABLE SCHEMATIC/COMPONENT LOCATION DIAGRAM FOR ELECTRIC HEAT WHEN OPTIONAL MODULATING ELECTRIC HEAT IS REQUIRED.

OPTIONAL INDOOR OPTIONS MODULE

SYMBOL LEGEND

TRANE WIRING: ———	CUSTOMER PROVIDED: — —	EARTH GROUND:	SPLICE: ●	MULTIPLE WIRE SYMBOL: /	SHIELDED CABLE:
FIELD WIRING: — — —	ALTERNATE/OPTIONS: — - —	EQUIPMENT CHASSIS:	JUNCTION: •	TWISTED CONDUCTORS:	LINE BREAK:

TRANE ®
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PRECEDENT
SCHEMATIC; SHEET 5, CONTROLS
INDOOR OPTIONS

DESIGNER:	ENGINEER:	NUMBER:	TRANE © DATE:	REV	SHEET
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