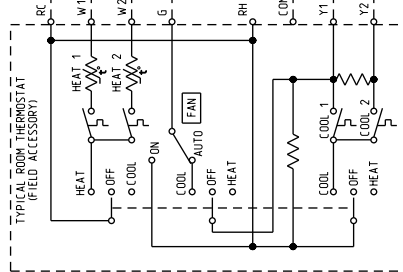
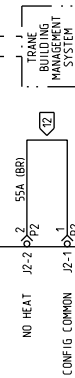
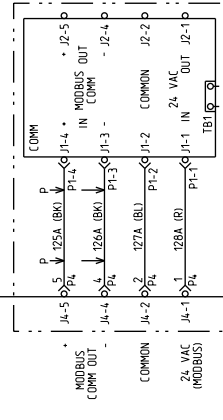
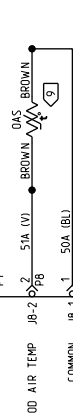
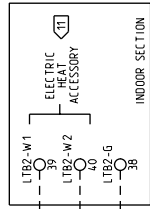
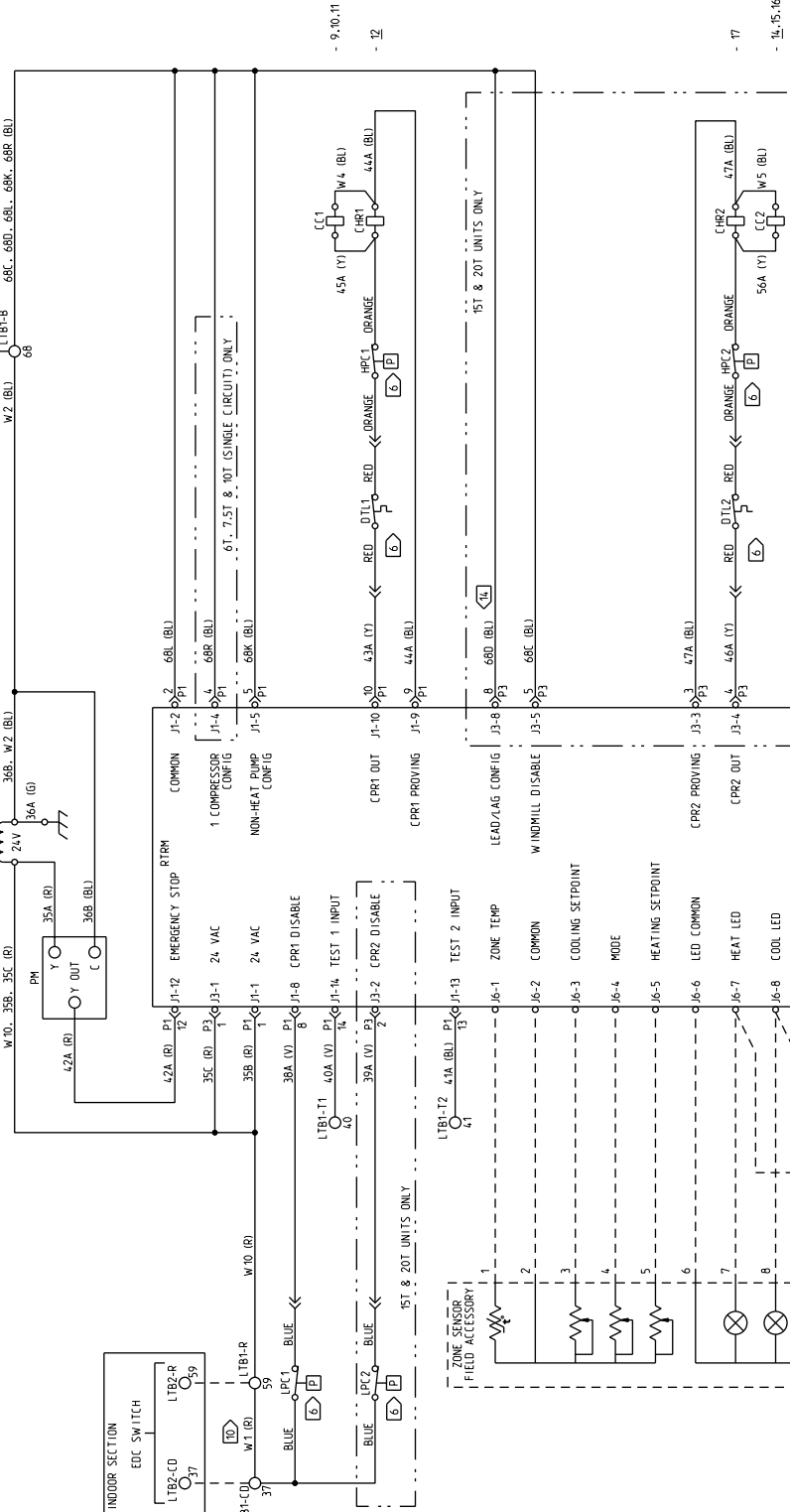
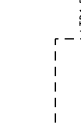
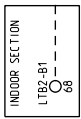
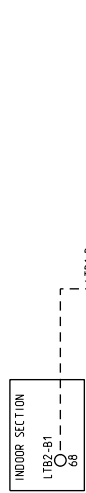


DEVICE	DESCRIPTION	LEGEND	LINE
CC1	COMPRESSOR CONTACTOR		9, 10, 11, 29
CC2	COMPRESSOR CONTACTOR		14, 15, 16, 40
CH1	CRANKCASE HEATER		12
CH2	CRANKCASE HEATER		17
CF1	OUTDOOR FAN CAPACITOR		8
CF2	OUTDOOR FAN CAPACITOR		13
CHR1	CRANKCASE HEATER RELAY		12, 30
CHR2	CRANKCASE HEATER RELAY		17, 39
COMM	COMMUNICATION INTERFACE MODULE		50
CPR1	COMPRESSOR		10
CPR2	COMPRESSOR		15
DTL1	DISCHARGE TEMPERATURE LIMIT		39
DTL2	DISCHARGE TEMPERATURE LIMIT		39
FTB1	FAN TERMINAL BLOCK		10, 12, 17
FTB2	FAN TERMINAL BLOCK		15, 18
HP1	HIGH PRESSURE CUTOUT		30
HP2	HIGH PRESSURE CUTOUT		39
HTB	HIGH VOLTAGE TERMINAL BLOCK		5
LP1	LOW PRESSURE CUTOUT		28
LP2	LOW PRESSURE CUTOUT		30
LTB1	LOW VOLTAGE TERMINAL BLOCK		21, 27, 29, 32, 43, 44, 45
LTB2	LOW VOLTAGE TERMINAL BLOCK		20, 25, 43, 44, 45
OAS	OUTDOOR AIR TEMP SENSOR		47
ODM1	OUTDOOR FAN MOTOR		8
ODM2	OUTDOOR FAN MOTOR		13
PM	PHASE MONITOR		9, 22
TRM	REFRIGERATION MODULE		26
TRN1	REFRIGERANT TRANSFORMER - CONDENSER		20



NOTES:

1. UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25 °C (77 °F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY. WITH ALL UTILITIES TURNED OFF. AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.

2. DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINE INDICATES WIRING BY TRANE CO.

3. NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT. AN OPEN ARROW-HEAD BELOW THE LINE NUMBER POINTING UPWARD INDICATES A TIMED CONTACT WHICH BEGINS TIMING WHEN ENERGIZED.

4 CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH UNITS. WHEN 208V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRES 1C (R) FROM 230V TERMINAL ON UNIT TRANSFORMERS (TNS1) TO 208V TERMINAL.

5 CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH UNITS. FOR 460V/60HZ/3PH MODELS, SEE INSET 1A. FOR 575V/60HZ/3PH MODELS, CONNECT WIRE 1C (R) TO THE 575V TERMINAL ON INSET. FOR 380-475V/50HZ/3PH MODELS, SEE INSET 1B.

6 CAUTION: DO NOT JUMPER ACROSS SWITCHES DTL1, DTL2, LPC1, LPC2, HPC1 AND HPC2 UNDER ANY CIRCUMSTANCES.

7 NOTICE: DO NOT OPERATE OR APPLY POWER TO COMPRESSORS WHILE UNDER A VACUUM. FAILURE TO FOLLOW THESE INSTRUCTIONS WILL RESULT IN COMPRESSOR FAILURE.

6 INSTALL OPTIONAL REMOTE ZONE SENSOR TO TERMINALS S1 AND S2 WHEN REQUIRED. SEE PROGRAMMABLE ZONE SENSOR W/ NSB LITERATURE FOR OPTION CONFIGURATION.

9 THE OAS ON 1ST AND 20T UNITS IS CONNECTED AS SHOWN. ON SMALLER UNITS, WIRES 50A AND 51A ARE NOT PRESENT AND THE BROWN LEADS ARE CONNECTED DIRECTLY TO THE RTM.

10 IF EVAPORATOR DEFROST CONTROL (EDC) IS USED ON INDOOR UNIT, REMOVE JUMPER WIRE W1 (R) BETWEEN TERMINALS "CD~" AND "R" ON LTB1.

11 SEE HEATER ACCESSORY DIAGRAM FOR DETAILS OF HEATER WIRING.

12 TO ENABLE ELECTRIC HEAT. CUT WIRE 55A (BR) ON P2.

13 TO ENABLE TWO STAGES OF ELECTRIC HEAT, CUT WIRE 49A (BR) ON P1.

14 TO ENABLE COMPRESSOR LEAD/LAG OPERATION, CUT WIRE 68D (BL).

NOTES:

1. UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25 °C (77 °F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
2. DASHED LINES INDICATE RECONNECTED FIELD WIRING BY OTHERS. DASHED LINE TERMINUSES ARE FOR DISASSEMBLY. UNLESS OTHERWISE SPECIFIED, COMPRESSORS ARE TO BE DISASSEMBLED FROM DISCHARGE SIDE. INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SHADOW LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINE INDICATES WIRING BY TRANE CO.
3. NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT. AN OPEN ARROW-HEAD BELOW THE LINE NUMBER POINTING UPWARD INDICATES A TIED CONTACT WHICH BEGINS TIMING WHEN ENERGIZED.
4. CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH UNITS. WHEN 208V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRES TO CIRCUIT FROM 230V TERMINAL ON UNIT TRANSFORMERS (TNS1) TO 208V TERMINAL.
5. CONNECTIONS SHOWN ARE FOR 230V/60HZ/3PH UNITS. FOR 460V/60HZ/3PH MODELS: SEE UNIT WIRING FOR 460V/60HZ/3PH CONNECTIONS. FOR 575V/60HZ/3PH MODELS: SEE UNIT WIRING FOR 575V/60HZ/3PH CONNECTIONS. FOR 460V/50HZ/3PH MODELS: SEE TNS1. FOR 380-450V/50HZ/3PH MODELS, SEE INSET "B".
6. CAUTION: DO NOT JUMPER ACROSS SWITCHES D111, D112, 1PCT, 1PCT2, HPC1 AND HPC2 UNDER ANY CIRCUMSTANCES.
7. NOTICE: DO NOT OPERATE OR APPLY POWER TO COMPRESSORS WHILE UNDER A VACUUM. FAILURE TO FOLLOW THESE INSTRUCTIONS WILL RESULT IN COMPRESSOR FAILURE.
8. INSTALL OPTIONAL REMOTE ZONE SENSOR TO TERMINALS S1 AND S2 WHEN REQUIRED. SEE PROGRAMMABLE ZONE SENSOR W/ USB LITERATURE FOR OPTION CONFIGURATION.
9. THE GAS ON "R1" AND "20T" UNITS IS CONNECTED AS SHOWN. ON SMALLER UNITS, WIRES S0A AND S1A ARE NOT PRESENT AND THE BROWN LEADS ARE CONNECTED DIRECTLY TO THE ATRN.
10. IF EVAPORATOR DEFROST CONTROL (EDC) IS USED ON INDOOR UNIT, REMOVE JUMPER W/ WIRE R1 BETWEEN TERMINALS "CO" AND "R" ON T1B1.
11. SEE HEATER ACCESSORY DIAGRAM FOR DETAILS OF HEATER WIRING.
12. TO ENABLE ELECTRIC HEAT, CUT WIRE S5A (BR) ON P2.
13. TO ENABLE TWO STAGES OF ELECTRIC HEAT, CUT WIRE 49A (BR) ON P1.
14. TO ENABLE COMPRESSOR LEAD/LAG OPERATION, CUT WIRE 68D (BL).

TR

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

DRAWN BY:
K. EDWARDS

REPLACES:

CAD SYSTEM USED:
PRO/DIAGRAM

ODYSSEY
DIAGRAM

CONDENSER UNIT - COOLING ONLY W/ RELATED
6T/7.5T/8.5T/15T (ALL VOLTAGES) &

10T (SINGLE CIRCUIT)/20T 380/460/575V/60HZ/380-415V/50HZ

RAW ING NUMBER:
2313-0403

SHEET:	REV
1 OF 1	B