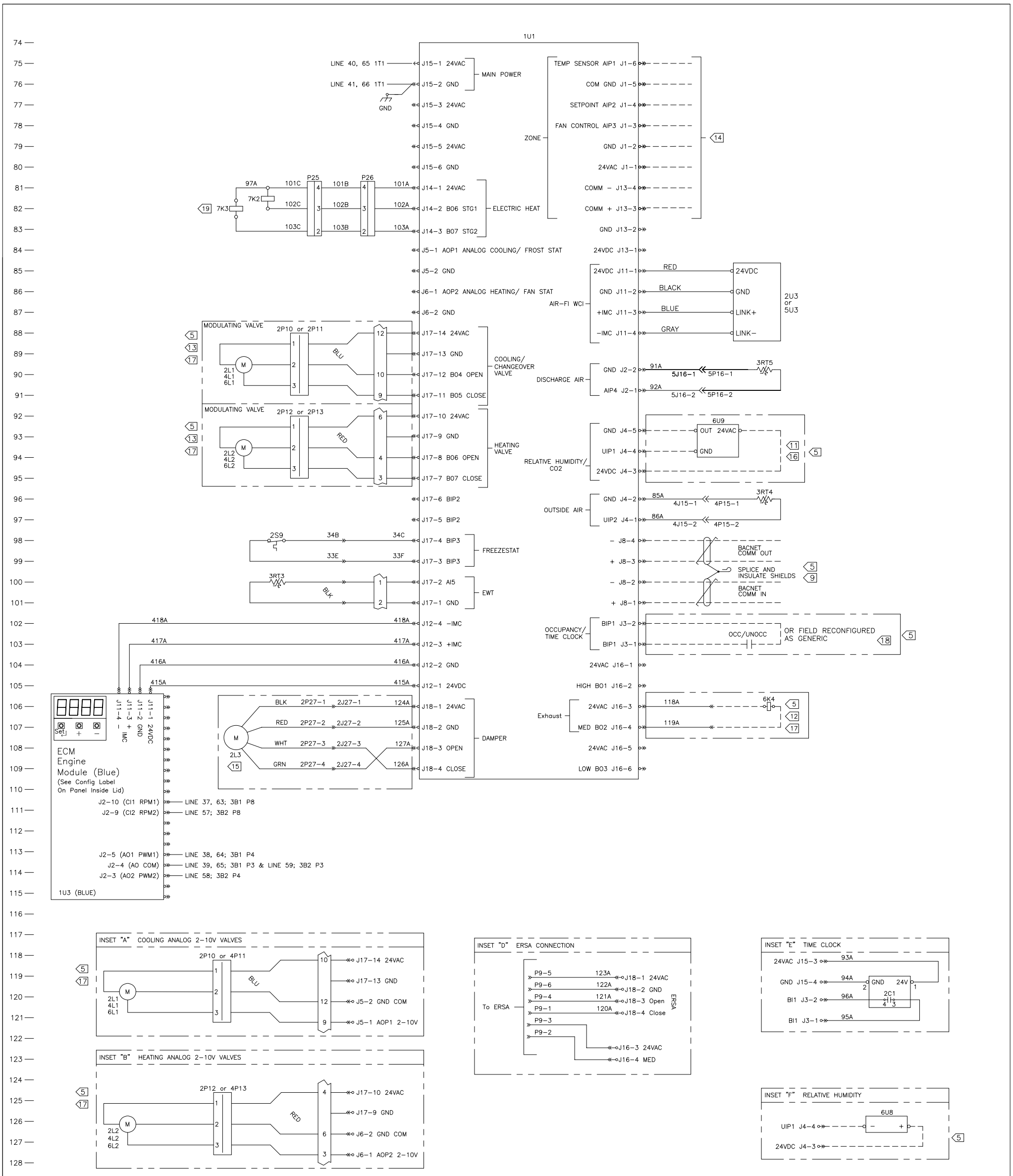

NOTES:

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 LINED ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINES INDICATE WIRING BY TRANE CO.

4 ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), STATE AND LOCAL REQUIREMENTS. ALL FIELD WIRING MUST HAVE AN INSULATION VOLTAGE RATING THAT EQUALS OR EXCEEDS UNIT RATED VOLTAGE

5 USE CLASS 2 WIRING.

9 COMUNICATION WIRE MUST BE TRANE PART NO. 400-20-28, OR WINDY CITY OR CONNECT AIR "LEVEL 4" CABLE. MAXIMUM OF 4500 FOOT AGGREGATE RUN. CAUTION! DO NOT RUN POWER IN THE SAME CONDUIT OR WIRE BUNDLE WITH COMUNICATION LINK. FOR ADDITIONAL INFORMATION REFER TO EMTX-EB-68.

11 CONFIGURE THE CO2 SENSOR FOR 4-20mA OPERATION USING THE OUT2 JUMPER SUPPLIED WITH THE SENSOR.

12 FOR WIRED POWER EXHAUST, 24VAC 12VA MAXIMUM.

13 WIRING SHOWN IS FOR MODULATING VALVE SECTION. SEE INSET "A" FOR COOLING 2-10V VALVE SELECTIONS AND INSET "B" FOR HEATING 2-10V VALVE SELECTIONS.

14 SEE SHEET 2311-4166 FOR ZONE SENSOR CONNECTIONS.

15 WIRING SHOWN IS FOR 3 WIRE MODULATING DAMPER SECTION. SEE INSET "D" FOR ERSA CONNECTIONS.

16 WIRING SHOWN IS FOR CO2 SENSOR. SEE INSET "F" FOR RELATIVE HUMIDITY SENSOR.

17 FIELD SUPPLIED ACTUATOR WIRING UTILIZES THE SAME CONNECTION POINTS AS FACTORY ACTUATOR WIRING.

18 WIRING SHOWN IS FOR OCCUPIED/ UNOCCUPIED. SEE INSET "E" FOR TIMECLOCK CONNECTIONS.

19 SEE ELECTRIC HEAT SCHEMATIC FOR ADDITIONAL ELECTRIC HEAT WIRING.

DEVICE PREFIX LOCATION CODE	
AREA	LOCATION
1	LH CONTROL PANEL
2	LH END POCKET
3	AIR SECTION
4	RH END POCKET
5	TOP ACCESS PANEL
6	FIELD INSTALLED
7	RH CONTROL BOX E-HT

LEGEND

DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
1U1	UC400-B, SYMBIO 400-B	74
1U3	ENGINE BOARD	115
2L1	COOLING COIL VALVE	89,120
4L1	COOLING COIL VALVE	89,120
6L1	FIELD INSTALLED CLG CL VLV	89,120
2L2	HEATING COIL VALVE	93,126
4L2	HEATING COIL VALVE	93,126
6L2	FIELD INSTALLED HTG CL VLV	93,126
7K2	ELECTRIC HEAT CONTACTOR	81
7K3	ELECTRIC HEAT CONTACTOR	82
2U3	AIR-FI WIRELESS COM INTERFACE	86
5U3	AIR-FI WIRELESS COM INTERFACE	86
3RT5	DISCHARGE AIR TEMP SNSR	90
6U9	CO2 SENSOR	92
6U8	ZONE HUMIDITY SENSOR	126
3RT4	OUTSIDE AIR TEMP SENSOR	96
2S9	FREEZE-STAT	98
3RT3	ENTERING WATER TEMP SNSR	100
2C1	TIMECLOCK	120
2L3	OA DAMPER ACTUATOR	107
6K4	EXHAUST RELAY	106

REPLACES
REVISION DATE -
DRAWN BY G.HUDGINS
DATE 24-JUL-2023
SIMILAR TO

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SCHEMATIC DIAGRAM
UC400-B, SYMBIO 400-B
STANDARD COILS
VERTICAL UNIT VENT

4619-3723
REV E