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

 WIRING SHOWN IS FOR CO2 SENSOR. SEE INSET "C" FOR RELATIVE HUMIDITY SENSOR.
- **(5)** USE CLASS 2 WIRING.
- 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. TRUN POWER IN THE SAME CONDUIT OR WIRE BUNDLE WITH COMUNICATION LINK. FOR ADDITIONAL INFORMATION REFER TO EMTX-EB-68. 9
- TIST FIELD INSTALLED CONDENSING UNIT CAN BE WIRED BETWEEN TERMINALS 2TB4-1 AND 2TB4-2 FOR STAGE.

 REMOVE RESISTOR 2R1 PRIOR TO WIRING CONDENSER. DX1 OUTPUTS RATED FOR 24VAC 6VA MAXIMUM.
- (14) WIRING SHOWN IS FOR MODULATING VALVE SECTION. SEE INSET "D" FOR HEATING 2-10V VALVE SELECTIONS.
- 15 SEE SHEET 2311-4166 FOR ZONE SENSOR CONNECTIONS.
- (16) WIRING SHOWN IS FOR 3 WIRE MODULATING DAMPER SECTION. SEE INSET "A" FOR ERSA CONNECTIONS.
- TB FIELD SUPPLIED ACTUATOR WIRING UTILIZES THE SAME CONNECTION POINTS AS FACTORY ACTUATOR WIRING.
- wiring shown is for occupied/ unoccupied. See inset "B" for timeclock connections.
- SEE ELECTRIC HEAT SCHEMATIC FOR ADDITIONAL ELECTRIC WIRING.
- CONFIGURE THE CO2 SENSOR FOR 4-20mA OPERATION USING THE OUT2 JUMPER SUPPLIED WITH THE SENSOR.
- 12 FOR WIRED POWER EXHAUST, 24VAC 12VA MAXIMUM.

D	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		
	DU CONTROL DOV E LIT		

SCHEMATIC DIAGRAM
SYMBIO 400-B
DX COILS WITH A2L
VERTICAL UNIT VENT

4619-4965

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DEVICE DESIGNATION	LEGEND DESCRIPTION	LINE NUMBER
1U1	UC400-B. SYMBIO 400-B	74
1U3	ENGINE BOARD	115
2L2	HEATING COIL VALVE	93,123
4L2	HEATING COIL VALVE	93,123
6L2	FIELD INSTALLED HTG CL VLV	93,123
7K2	EH STG1 CONTACT	81
7K3	EH STG2 CONTACT	82
258	FROSTSTAT	84
2U3	WIRELESS COM INTERFACE	86
503	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
2R1	RESISTOR; DX STG 1 TEST	89
6K4	EXHAUST RELAY	106
205	LEAK DETECTION SENSOR	93