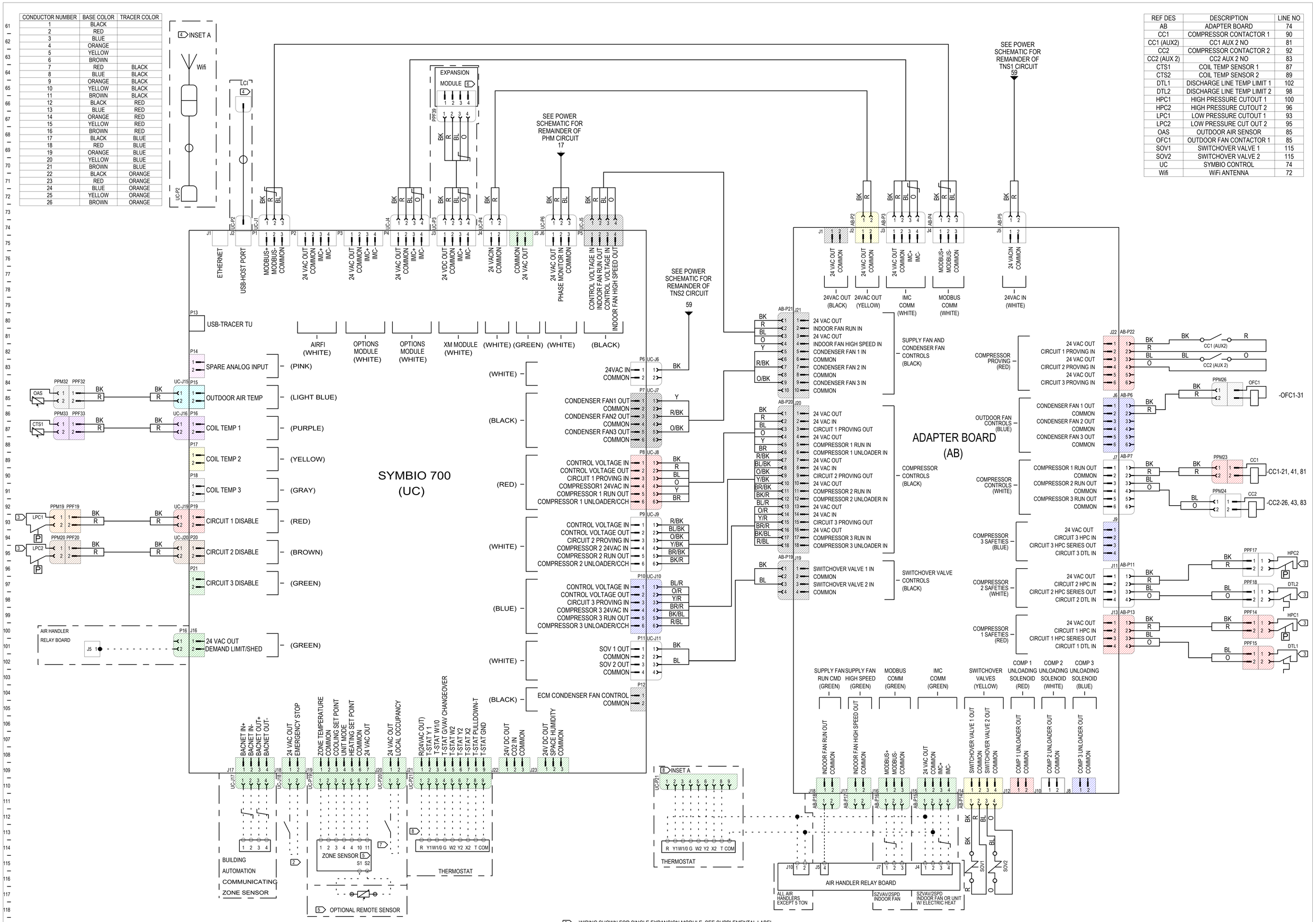
CONDUCTOR NUMBER	BASE COLOR	TRACER COLOR
1	BLACK	
2	RED	
3	BLUE	
4	ORANGE	
5	YELLOW	
6	BROWN	
7	RED	BLACK
8	BLUE	BLACK
9	ORANGE	BLACK
10	YELLOW	BLACK
11	BROWN	BLACK
12	BLACK	RED
13	BLUE	RED
14	ORANGE	RED
15	YELLOW	RED
16	BROWN	RED
17	BLACK	BLUE
18	RED	BLUE
19	ORANGE	BLUE
20	YELLOW	BLUE
21	BROWN	BLUE
22	BLACK	ORANGE
23	RED	ORANGE
24	BLUE	ORANGE
25	YELLOW	ORANGE
26	BROWN	ORANGE

REF DES	DESCRIPTION	LINE NO
AB	ADAPTER BOARD	74
CC1	COMPRESSOR CONTACTOR 1	90
CC1 (AUX2)	CC1 AUX 2 NO	81
CC2	COMPRESSOR CONTACTOR 2	92
CC2 (AUX 2)	CC2 AUX 2 NO	83
CTS1	COIL TEMP SENSOR 1	87
CTS2	COIL TEMP SENSOR 2	89
DTL1	DISCHARGE LINE TEMP LIMIT 1	102
DTL2	DISCHARGE LINE TEMP LIMIT 2	98
HPC1	HIGH PRESSURE CUTOUT 1	100
HPC2	HIGH PRESSURE CUTOUT 2	96
LPC1	LOW PRESSURE CUTOUT 1	93
LPC2	LOW PRESSURE CUT OUT 2	95
OAS	OUTDOOR AIR SENSOR	85
OFC1	OUTDOOR FAN CONTACTOR 1	85
SOV1	SWITCHOVER VALVE 1	115
SOV2	SWITCHOVER VALVE 2	115
UC	SYMBIO CONTROL	74
Wifi	WiFi ANTENNA	72



1. ALL FIELD WIRING REPRESENTED BY DASHED LINES SHALL BE CLASS TWO.

2 TO SHUT DOWN UNIT FOR EMERGENCY STOP, CONNECT FIELD SUPPLIED CONTROL DEVICE TO J18. UNIT STOPS WHEN SWITCH IS CLOSED.

3 CAUTION: DO NOT JUMPER ACROSS SWITCHES DTL, LPC, AND HPC UNDER ANY CIRCUMSTANCES.

4 WIRING SHOWN FOR OPTIONAL LONTALK COMMUNICATION DEVICE. SEE INSET A FOR OPTIONAL WIFI ANTENNA WIRING.

5 SOME ZONE SENSOR MODELS HAVE TERMINALS 10 AND 11 FOR 24VAC CONNECTION AND/OR TERMINALS S1 AND S2 FOR OPTIONAL REMOTE SENSOR. REFER TO SPECIFIC ZONE SENSOR INSTALLATION LITERATURE FOR WIRING INSTRUCTIONS.

6 WIRING SHOWN FOR SINGLE EXPANSION MODULE. SEE SUPPLEMENTAL LABEL FOR WIRING OF TWO MODULES.

7 TO ACTIVATE UNOCCUPIED ZONE TEMP SETPOINTS, ATTACH FIELD SUPPLIED CONTROL DEVICE TO J20. UNOCCUPIED SETPOINTS ARE ACTIVE WHEN SWITCH IS CLOSED

8 CONNECTIONS AS SHOWN ARE USED WHEN A CONVENTIONAL T-STAT IS WIRED TO THIS SYMBIO CONDENSER WHEN PAIRED WITH A SYMBIO AIR HANDLER. WHEN PAIRED WITH AN ELECTROMECHANICAL AIR HANDLER, CONNECT T-STAT AS SHOWN IN INSET A.

DESIGNER:	R JOHNSON
ENGINEER:	D MCGREGOR
TRANE © DATE:	8/7/2019
REPLACES:	
SIMILAR TO:	
REVISION DATE:	02/03/2020
REVISED BY:	R JOHNSON
APPROVED BY:	D MCGREGOR
CAD SYSTEM USED:	CREO SCHEMATIC

TRANE

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ODYSSEY
DIAGRAM
CONTROLS SCHEMATIC, HEAT PUMP
DUAL COMPRESSOR
SINGLE FAN

MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
	12132983	2 OF 2	C