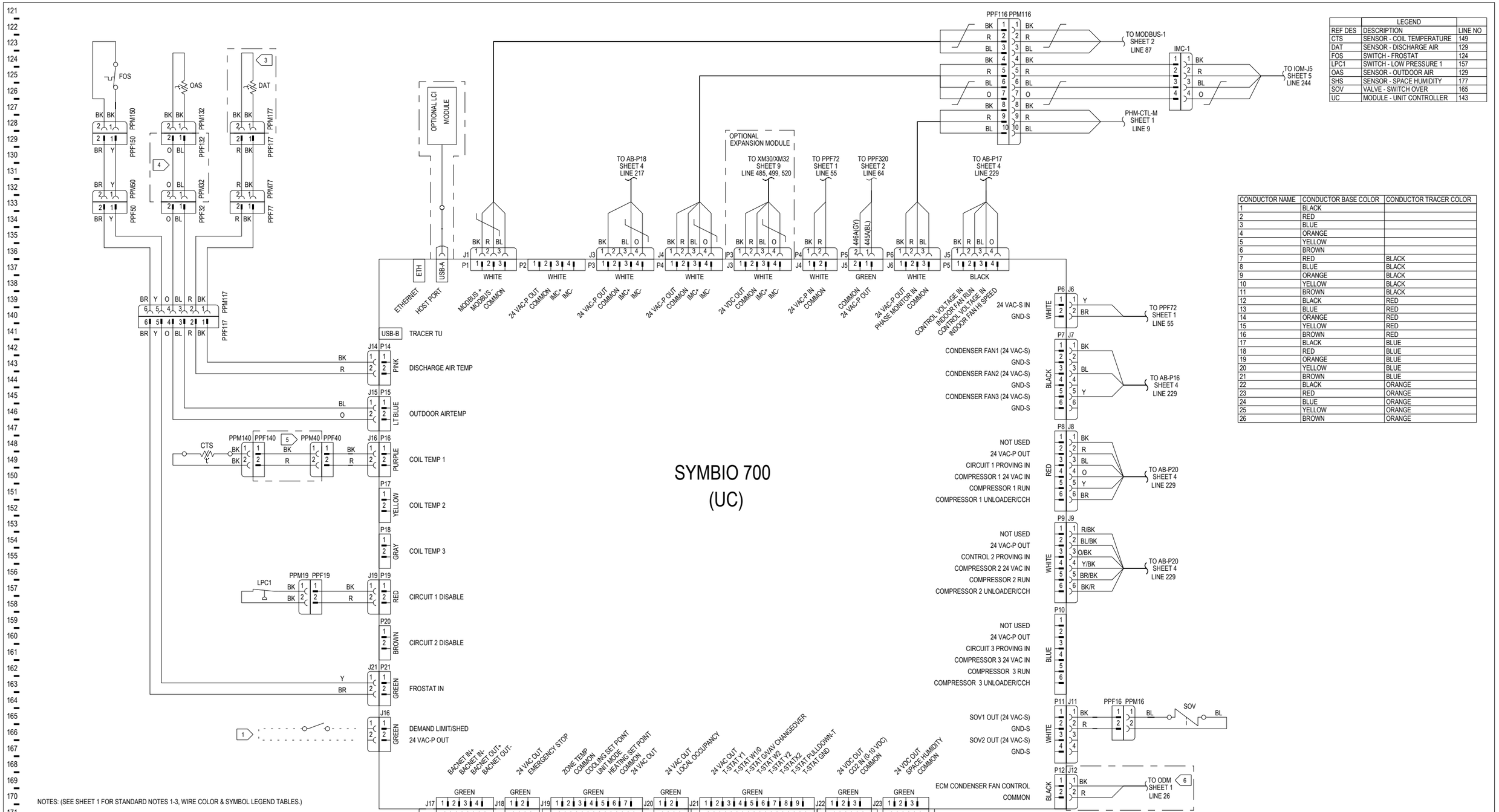

LEGEND		
REF DES	DESCRIPTION	LINE NO
CTS	SENSOR - COIL TEMPERATURE	149
DAT	SENSOR - DISCHARGE AIR	129
FOS	SWITCH - FROSTAT	124
LPC1	SWITCH - LOW PRESSURE 1	157
OAS	SENSOR - OUTDOOR AIR	129
SHS	SENSOR - SPACE HUMIDITY	177
SOV	VALVE - SWITCH OVER	165
UC	MODULE - UNIT CONTROLLER	143

CONDUCTOR NAME	CONDUCTOR BASE COLOR	CONDUCTOR 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

NOTES: (SEE SHEET 1 FOR STANDARD NOTES 1-3, WIRE COLOR & SYMBOL LEGEND TABLES.)

1. ALL FIELD WIRING REPRESENTED BY DASHED LINES SHALL BE CLASS 2.
2. TO SHUT DOWN UNIT FOR EMERGENCY STOP, CONNECT FIELD SUPPLIED CONTROL DEVICE ACROSS PINS 1 & 2. UNIT STOPS WHEN SWITCH CLOSES.
3. DISCHARGE AIR TEMPERATURE SENSOR (DAT) STANDARD ON ALL HEAT PUMP UNITS. DAT IS ALSO REQUIRED ON DUAL FUEL UNITS WITH SZVAV, MZVAV, ECONOMIZER, MODULATING GAS HEAT, HOT GAS REHEAT.
4. EXTENSION HARNESS NOT PRESENT ON 12.5-25T UNITS.
5. EXTENSION HARNESS PRESENT ON 3-5T HIGH EFFICIENCY & ALL 6-10T UNITS.
6. HARNESS PRESENT ON: ALL 8.5T & 10T 230V/460V UNITS 6T & 7.5T 230V/460V UNITS WITH HOT GAS REHEAT.

DESIGNER:	M. DERNOVSEK
ENGINEER:	D. SHELTON
TRANE © DATE:	30-NOV-2023
REPLACES:	--
SIMILAR TO:	--
REVISION DATE:	24-APR-2024
REVISED BY:	M. DERNOVSEK
APPROVED BY:	--
CAD SYSTEM USED:	CREO SCHEMATICS

TRANE ®

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PRECEDENT

UNIT SCHEMATIC; SHEET 3

CONTROLS, SYMBIO 700
UNIT CONTROLS,
HEAT PUMP/DUAL FUEL

MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
--	12134852	3	B