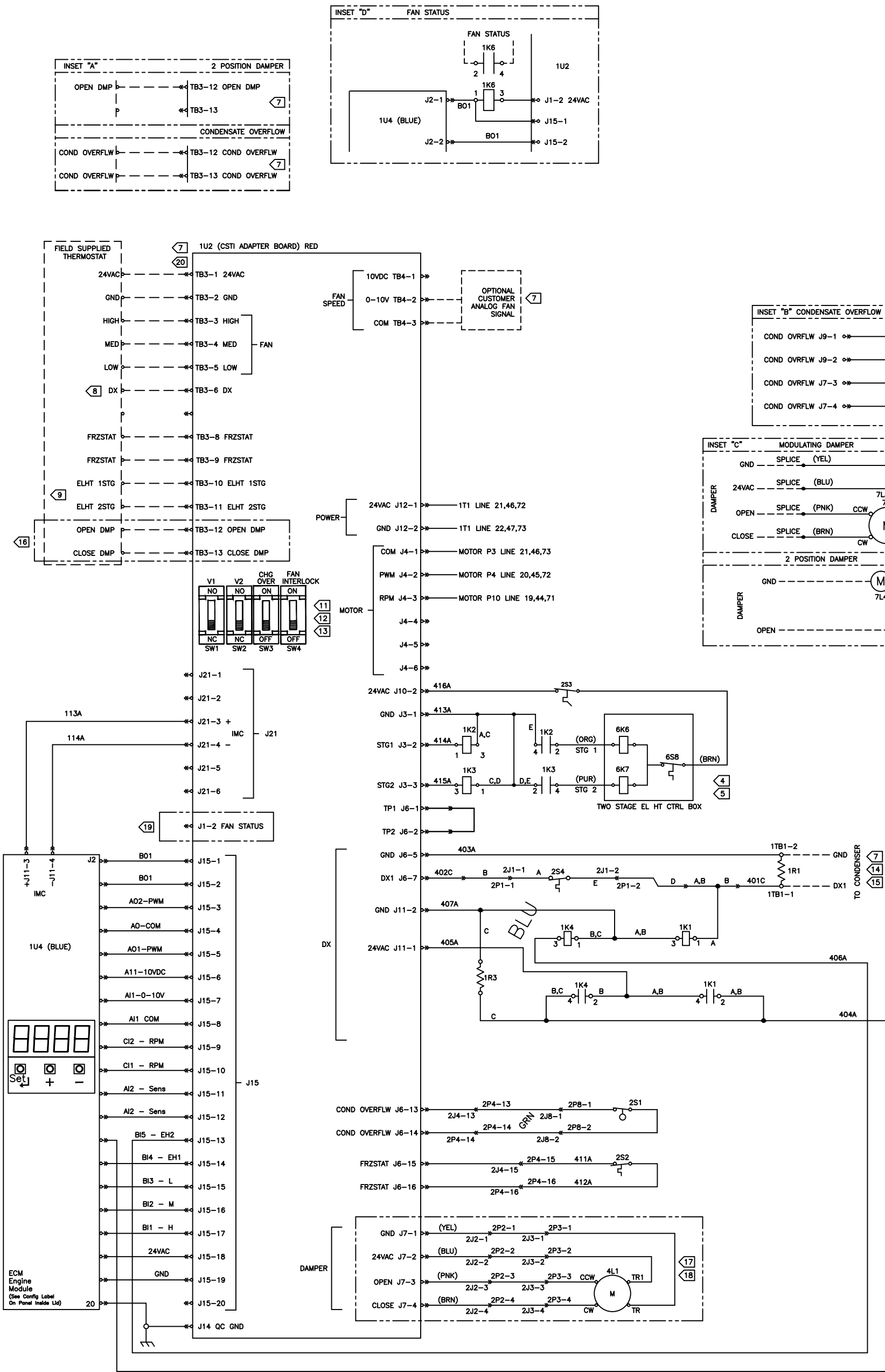


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- NOTES:
- UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25° C (77° F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
 - DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINED ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINES INDICATE WIRING BY TRANE.
 - 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.
- 7 FIELD CONNECTIONS SHOWN ON TB3-10 AND TB3-11 ARE FOR TWO STAGE ELECTRIC HEAT.
- 11 SW1 AND SW2 ARE SHOWN IN THE NC POSITION. SW1 AND OR SW2 ARE IN THE NC POSITION WHEN VALVES ARE NORMALLY CLOSED OR MODULATING (CVT1 OR CVT2 = A,C,E,F,G,J). SW1 AND SW2 ARE IN THE NC POSITION WHEN DX COILS ARE SELECTED (COL1 OR COL2 = 1,2,3,4,5,6,7,8). SW1 AND/OR SW2 IN THE NO POSITION WHEN VALVES ARE NORMALLY OPEN. (CVT1 OR CVT2 = B,D,H).
- 12 SW3 IS SHOWN IN THE OFF POSITION. SW3 IS TURNED ON WHEN CHANGEOVER COILS ARE SELECTED (COL1 OR COL2 = J,K,R,T).
- 13 SW4 IS ALWAYS IN THE ON POSITION.
- 14 WIRING SHOWN IS FOR ONE STAGE DX WITH TWO STAGE ELECTRIC HEAT SELECTION.
- 15 FIELD INSTALLED CONDENSING UNIT CAN BE WIRED BETWEEN TERMINALS 1TB1-1 TO 1TB1-2 FOR SINGLE STAGE. REMOVE RESISTOR 1R1 PRIOR TO WIRING CONDENSER. DX1 OUTPUTS RATED FOR 24VAC 6VA MAXIMUM.
- 4 ELECTRIC HEAT SCHEMATIC IS LOCATED IN THE ELECTRIC HEAT CONTROL BOX PANEL.
- 5 WIRING SHOWN IS FOR TWO STAGE ELECTRIC HEAT.
- 7 USE CLASS 2 WIRING.
- 8 FIELD CONNECTIONS SHOWN ON TB3-6 IS FOR ONE STAGE DX.

- 16 FIELD CONNECTIONS SHOWN ON TB3-12 AND TB3-13 ARE FOR MODULATING DAMPER. SEE INSET "A" FOR 2 POSITION DAMPER OR CONDENSATE OVERFLOW WIRING.
- 17 WIRING SHOWN IS FOR FACTORY INSTALLED MODULATING DAMPER. SEE INSET "B" FOR CONDENSATE OVERFLOW JUMPER. SEE INSET "C" FOR 2 POSITION DAMPER AND MODULATING FIELD SUPPLIED/ SHIP LOOSE DAMPER WIRING.
- 18 REMOVE TEST JUMPER PRIOR TO CONNECTING MIXING BOX TO MAIN UNIT.
- 19 SEE INSET "D" FOR FAN STATUS WIRING. (CTRL = N).
- 20 24V OUTPUT IS RATED 15VA.

AREA	LOCATION
1	MAIN CONTROL PANEL
2	SUPPLY FAN AND COIL SECTION
3	
4	EXTERNAL PIPING
5	ELECTRIC HEAT CONTROL BOX
6	FIELD INSTALLED DEVICE

DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
1U2	ADAPTER BOARD	88,79
1U4	ENGINE BOARD	82,114
2S3	EL HT LOCKOUT SWITCH	107
6K6	CONTACTOR; EL HT STG 1	109
6S8	EL HT HIGH TEMP	110
1K2	CONTACTOR; EL HT	109
1K3	CONTACTOR; EL HT	111
6K7	CONTACTOR; EL HT STG 2	111
2S1	CONDENSATE OVERFLOW SWITCH	125
2S2	FREEZESTAT	127
1K1	RELAY; DX STATUS	117,119
1K4	RELAY; EL HT STG 2 STATUS	117,119
1K6	RELAY; FAN STATUS	80,81
1R1	RESISTOR; DX STG 1 TEST	114
1R3	RESISTOR; LOADING	119
2S4	FROST STAT	115
7L3	MIXING BOX DAMPER ACTUATOR	98
7L4	OUTSIDE AIR DAMPER ACTUATOR	98,102
4L1	MIXING BOX DAMPER ACTUATOR	132

REPLACES	TRANE
REVISION DATE	2311-3989
DESIGNED BY	SCHMATIC DIAGRAM
DATE	23-APR-2018
BY	B. SPANHOUR
FOR	CST-DX COIL w/ TWO STAGE EH