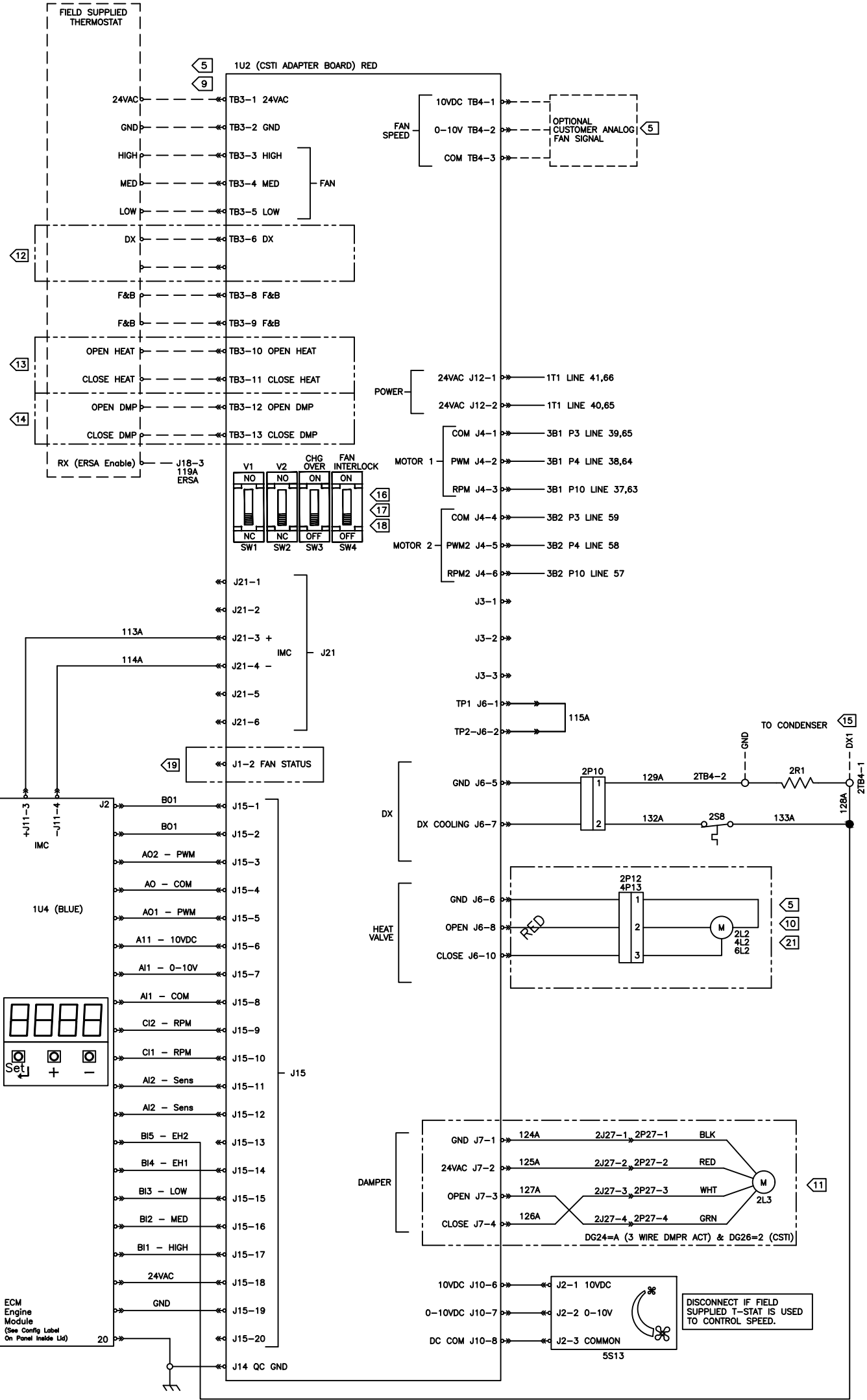
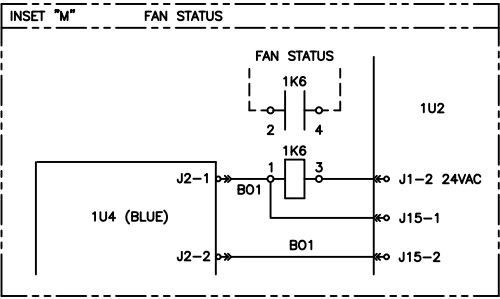
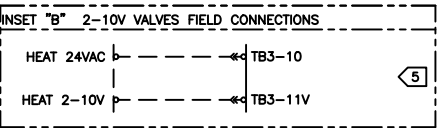
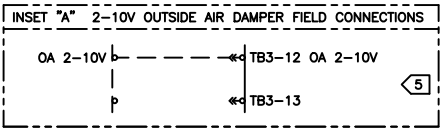


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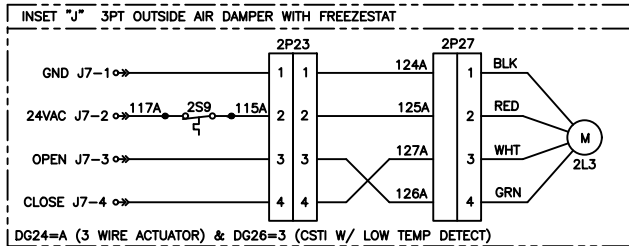
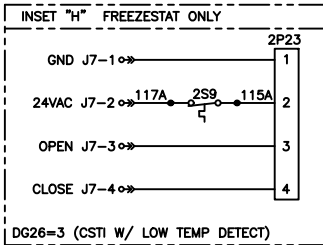
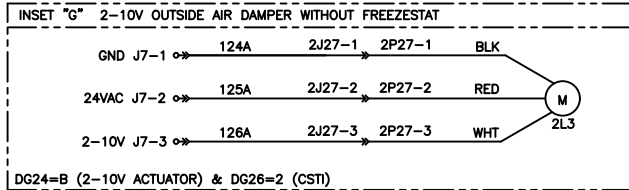
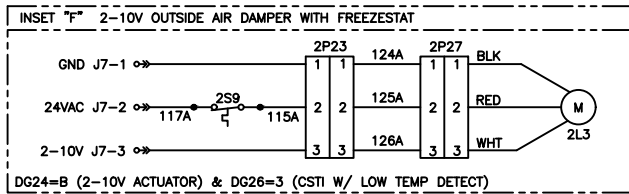
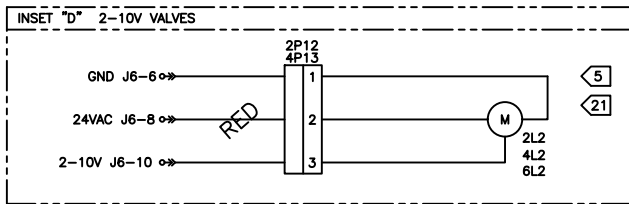


NOTES:

- 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 LINE ENCLOSURES AND/OR DASHED DOTTED 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
- USE CLASS 2 WIRING.
- 24V OUTPUT IS RATED 15VA.

- WIRING SHOWN IS FOR MODULATING VALVES. SEE INSET "D" FOR 2-10V VALVES.
- WIRING SHOWN IS FOR 3 WIRE MODULATING DAMPER. SEE INSET "F" FOR 2-10V DAMPER WITH FREEZESTAT. SEE INSET "G" FOR 2-10V DAMPER WITHOUT FREEZESTAT. SEE INSET "H" FOR FREEZESTAT ONLY. SEE INSET "J" FOR 3 WIRE MODULATING DAMPER WITH FREEZESTAT.
- FIELD WIRING SHOWN IS FOR DX COOLING COIL.
- FIELD WIRING SHOWN IS FOR MODULATING HEATING VALVES. SEE INSET "B" FOR 2-10V VALVE CONNECTIONS. FIELD SUPPLIED ACTUATOR WIRING UTILIZES THE SAME CONNECTION POINTS AS FACTORY ACTUATOR WIRING.
- FIELD WIRING SHOWN IS FOR MODULATING OUTSIDE AIR DAMPER. SEE INSET "A" FOR 2-10V OUTSIDE AIR DAMPER FIELD WIRING.

- FIELD INSTALLED CONDENSING UNIT CAN BE WIRED BETWEEN TERMINALS 2TB4-1 AND 2TB4-2 FOR STAGE 1. REMOVE RESISTOR 2R1 PRIOR TO WIRING CONDENSOR. DX1 OUTPUTS RATED FOR 24VAC 6VA MAXIMUM.
- SW1 AND SW2 ARE ALWAYS IN THE N.C. POSITION.
- SW3 IS SHOWN IN THE OFF POSITION. SW3 IS SET TO THE OFF POSITION WHEN DG15=J,0 OR DG16=A,B,C,D,E,F,G,H,K,L,M,N,P. SW3 IS SET TO THE ON POSITION WHEN DG14=E,F AND DG15=B,C,D,E,F,G,H AND DG16=0.
- SW4 IS ALWAYS IN THE OFF POSITION.
- SEE INSET "M" FOR FAN STATUS WIRING. DG26 = N.
- FIELD SUPPLIED ACTUATOR WIRING UTILIZES THE SAME CONNECTION POINTS AS FACTORY ACTUATOR 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     |
| 1U2                | CSTI ADAPTER BOARD          | 81,88           |
| 1U4                | ENGINE BOARD                | 83,118          |
| 1K6                | RELAY; FAN STATUS           | 81,82           |
| 2L2                | HEATING COIL VALVE MOTOR    | 101,118         |
| 4L2                | HEATING COIL VALVE MOTOR    | 101,118         |
| 6L2                | HEATING COIL VALVE MOTOR    | 101,118         |
| 2L3                | OUTSIDE AIR DAMPER ACTUATOR | 112,116,128,129 |
| 2S9                | CSTI FREEZESTAT             | 111,120,127     |
| 2R1                | RESISTOR; DX 1 STG TEST     | 114             |
| 2S8                | CSTI DX FROST STAT          | 115             |
| 5S13               | UNIT MOUNTED FAN SWITCH     | 134             |

|       |             |                    |
|-------|-------------|--------------------|
| REV   | 4619-3731   | TRANE              |
| DATE  | 03-AUG-2020 | SCHEMATIC DIAGRAM  |
| BY    | C. HUDGINS  | VERTICAL UNIT VENT |
| CHKD  |             | CSTI               |
| APP'D |             | DX                 |