

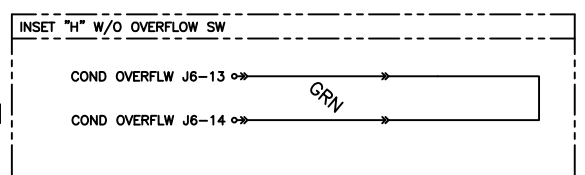
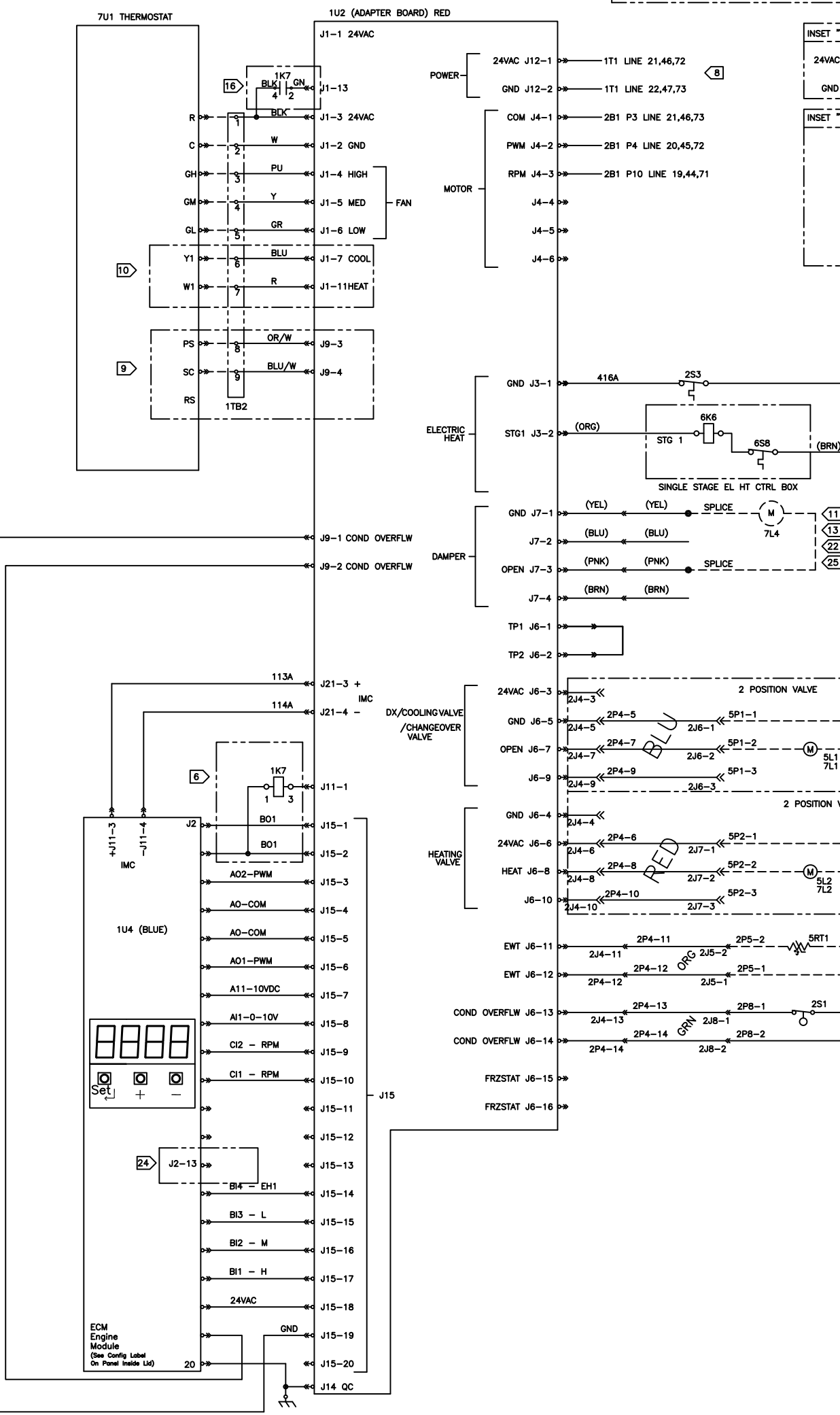
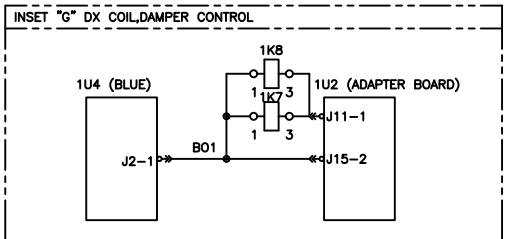
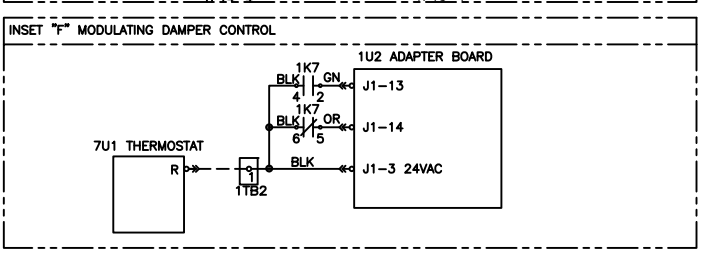
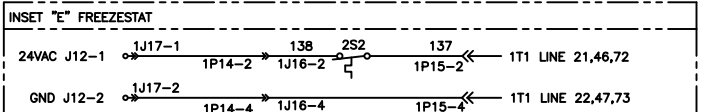
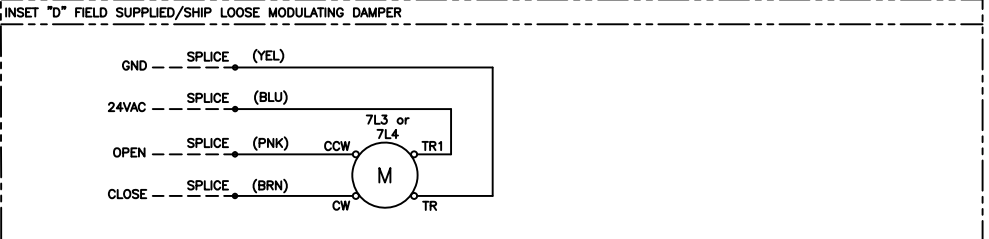
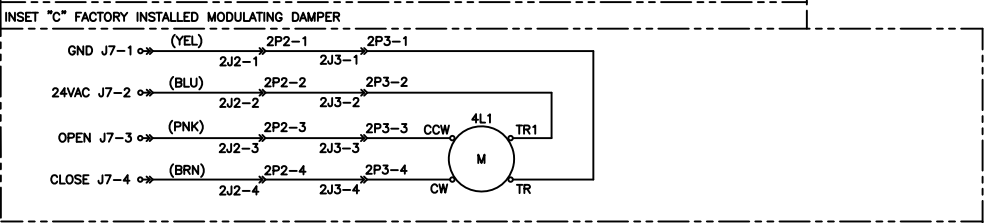
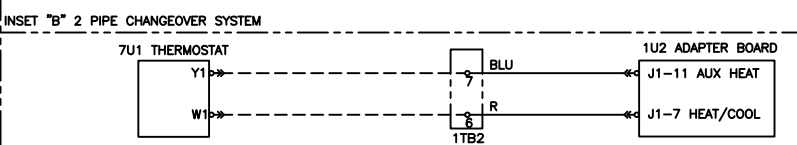
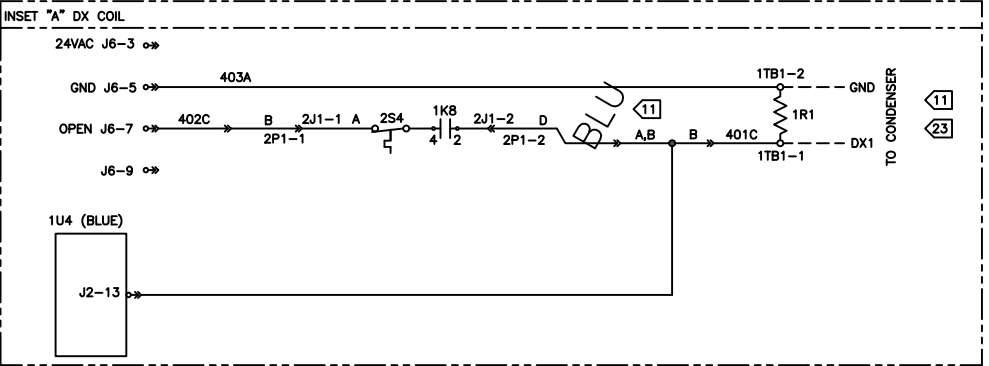
NOTES :

- 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 LINED 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.
- 4 ELECTRIC HEAT SCHEMATIC IS LOCATED IN THE ELECTRIC HEAT CONTROL BOX PANEL.
- 5 WIRING SHOWN IS FOR ONE STAGE ELECTRIC HEAT.
- 6 WIRING SHOWN IS FOR STANDARD COIL, DAMPER CONTROL FOR DX COIL, DAMPER CONTROL SEE INSET G
- 8 WIRING SHOWN IS FOR 24VAC POWER SECTION, SEE INSET E FOR FREEZESTAT SECTION.
- 9 WIRING SHOWN IS FOR ENTERING WATER TEMP SENSOR FOR 2 PIPE CHANGEOVER SYSTEM

- 10 WIRING SHOWN IS FOR NOT 2 PIPE CHANGE OVER SYSTEM, FOR 2 PIPE CHANGE OVER SYSTEM/2 PIPE CHANGE OVER W/AUX HEAT SYSTEM SEE INSET B
- 11 USE CLASS 2 WIRING.
- 13 WIRING SHOWN IS FOR 2 POSITION, N.O. SHIP LOOSE DAMPER, FIELD SUPPLIED 2 POSITION N.O. DAMPER.
- 16 WIRING SHOWN IS FOR 2 POSITION DAMPER CONTROL, FOR MODULATING DAMPER CONTROL SEE INSET F
- 20 FIELD SUPPLIED ACTUATOR WIRING UTILIZES THE SAME CONNECTION POINTS AS FACTORY ACTUATOR WIRING.
- 22 USE NORMALLY CLOSED DAMPER
- 23 FIELD INSTALLED CONDENSING UNIT CAN BE WIRED BETWEEN TERMINALS 1TB1-1 TO 1TB1-2 FOR SINGLE STAGE. REMOVE RESISTOR 1R1 PRIOR TO WIRING CONDENSOR.
- 24 WIRING SHOWN IS FOR FACTORY AND FIELD INSTALLED 2 POSITION VALVE. FOR DX COIL SEE INSET A
- 25 WIRING SHOWN IS FOR 2 POSITION DAMPER FOR FACTORY INSTALLED MODULATING DAMPER SEE INSET C, FOR FIELD SUPPLIED OR SHIP LOOSE MODULATING DAMPER SEE INSET D
- 26 WIRING SHOW IS FOR OVERFLOW SW, FOR W/O OVERFLOW SW SEE INSET H

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

DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
7U1	THERMOSTAT	82,97
1U2	ADAPTER BOARD	84,98
1U4	ENGINE BOARD	79,125
2S2	FREEZESTAT	99
2S3	EL HT LOCKOUT SWITCH	110
2S4	DX FROSTSTAT	121
6K6	CONTACTOR; EL HT STG 1	112
6S8	EL HT HIGH TEMP	113
5L1/7L1	COOLING COIL VALVE MOTOR	123
5L2/7L2	HEATING COIL VALVE MOTOR	127
1TB1	DX TERMINAL BLOCK	75
1R1	DX RESISTOR	75
1TB2	T.B FOR WALL MOUNT	83,103
2S1	CONDENSATE OVERFLOW SWITCH	132
5RT1	ENTERING WATER TEMP SENSOR	130
1K7	FAN STATUS RELAY	124,99
4L1/7L3/7L4	DAMPER	89,96,128
1K8	FAN STATUS RELAY	76,109



REV	A
50262489	
SCHEMATIC DIAGRAM	
BCHD/BCVD	
THERMOSTAT	
WALL MOUNT	
TRANE	
THE FOLLOWING IS AN EXPLANATION OF THE CONTENTS OF THIS DRAWING. IT IS THE PROPERTY OF TRANE COMPANY © 1988 TRANE COMPANY	
REVISION DATE	DESIGN BY
Z.T	
DATE	SIMILAR TO
15 AUG 2019	
REPLACES	