



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

NOTES:

- 1. 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.
- 2. 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.
- 3. 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 SINGLE STAGE ELECTRIC HEAT. FOR SCR ELECTRIC HEAT SINGLE PHASE AND SCR ELECTRIC HEAT THREE PHASES SEE INSET "G".
- 6. SEE INSET "F" FOR FAN STATUS WIRING. (CTRL = N).
- 7. USE CLASS 2 WIRING.
- 9. FIELD CONNECTIONS SHOWN ON TB3-10 AND TB3-11 ARE FOR HEATING MODULATING VALVES. FOR FIELD CONNECTIONS TO HEATING TWO POSITION VALVES, SINGLE STAGE EH AND SCR EH, SEE INSET "A".
- 10. WIRING SHOWN IS FOR MODULATING VALVES. FOR COOLING 2 POSITION VALVE, SEE INSET "D". FOR HEATING 2 POSITION VALVE, SEE INSET "E". FOR HEATING ANALOG 2-10V VALVE, SEE INSET "N".
- 11. SW1 AND SW2 ARE SHOWN IN THE OFF POSITION. SW1 AND OR SW2 ARE TURNED OFF WHEN VALVES ARE NORMALLY CLOSED OR MODULATING (CV1 OR CVT2 = A,C,E,F,G,J). SW1 AND/OR SW2 ARE TURNED ON WHEN VALVES ARE NORMALLY OPEN. (CV1 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 SHOWN IN THE OFF POSITION. SW4 IS TURNED ON WHEN UNIT HAS ELECTRIC HEAT (STGE = 1,2,3).
- 14. WIRING SHOWN IS FOR SINGLE STAGE DX SELECTION.

16 FIELD INSTALLED CONDENSING UNIT CAN BE WIRED  
BETWEEN TERMINALS 1TB1-1 TO 1TB1-2 FOR SINGLE

STAGE.  
REMOVE RESISTOR 1R1 PRIOR TO WIRING CONDENSOR.  
DX1 OUTPUTS RATED FOR 24VAC 6VA MAXIMUM.

17) WIRING SHOWN IS FOR FACTORY INSTALLED MODULATING DAMPER.  
FOR CONDENSATE OVERFLOW JUMPER, SEE INSET "D".  
FOR 2 POSITION DAMPER AND MODULATING FIELD  
SUPPLIED/ SHIP LOOSE DAMPER WIRING, SEE INSET "E".

18) REMOVE TEST JUMPER PRIOR TO CONNECTING  
MIXING BOX TO MAIN UNIT.

19) FIELD CONNECTIONS SHOWN ON TB3-12 AND TB3-13  
ARE FOR MODULATING DAMPER.  
FOR 2 POSITION DAMPER AND CONDENSATE OVERFLOW  
FIELD WIRING, SEE INSET "B".

20) FIELD SUPPLIED ACTUATOR WIRING UTILIZES THE SAME  
CONNECTION POINTS AS FACTORY ACTUATOR WIRING.

21) VALVES SHOWN IN NORMALLY CLOSED POSITION, FOR  
NORMALLY OPEN POSITION, THE VALVE SIGNAL BECOMES  
CLOSE.

22) DAMPER SHOWN IN NORMALLY CLOSED POSITION, FOR  
NORMALLY OPEN POSITION, THE DAMPER SIGNAL BECOMES  
CLOSE.

23) FIELD CONNECTIONS FOR SCR EH ARE IN THE

| REPLACES   | TRANE  | 50262932  |
|--|--|---|
| REVISION DATE<br>DRAWN BY<br>G. REQUENA<br>DATE<br>08-JUL-2024 | <p>THIS DRAWING IS THE PROPERTY OF THE<br/>COMPANY NAMED ON THE TITLE BLOCK AND<br/>IS TO BE KEPT AS A TRADE SECRET.<br/>IT IS NOT TO BE COPIED OR<br/>DISCLOSED TO OTHER<br/>PARTIES EXCEPT AS<br/>EXPLICITLY AGREED IN<br/>WRITING BY THE<br/>COMPANY AND THE<br/>PERSONS NAMED ON THE<br/>TITLE BLOCK.</p> <p>© TRANE</p> | <p>SCHEMATIC</p> <p>CSI1--DX COIL W / HEAT VALVE</p> <p>CSI1--DX COIL W / 1 STG OR SCR EF</p> <p>BLOWER COIL --- BCKE</p> |