

- DASHED LINES INDICATE RECOMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. 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
- 4 USE CLASS 2 WIRING.

135 -

136 — 137 —

138 -

139 -

140 — 141-142 -

143 —

144 — 145 — 146 —

- FIELD POWER SUPPLY CONDUCTORS MUST HAVE MINIMUM 90C INSULATION.
- COMUNICATION WIRE MUST BE TRANE PART NO. 400-20-28, OR WINDY CITY OR CONNECT AIR "LEVEL 4" CABLE. MAXIMUM OF 4500 FOOT AGGREGATE RUN. CAUTION! DO NOT RUN POWER IN THE SAME CONDUIT OR WIRE BUNDLE WITH COMUNICATION LINK. FOR ADDITIONAL INFORMATION REFER TO EMTX-EB-68.
- 7 1U1'S GENERIC BINARY OUTPUT IS RATED 24VAC, 12VA, PILOT DUTY.
- (8) WIRING SHOWN IS FOR MODULATING VALVE SECTION. SEE INSET "A" AND "B" FOR COOLING AND HEATING TWO POSITION VALVE WIRING, SEE INSETS "C" AND "D" FOR COOLING AND HEATING ANALOG VALVE WIRING.

- 12 WIRING SHOWN IS FOR OCCUPIED/ UNOCCUPIED.
- ELECTRIC HEAT WIRING IS SHOWN ON SHEET 3 DWG NUMBER 231148150001.

| | DEVICE PREFIX LOCATION CODE |
|------|-----------------------------|
| AREA | LOCATION |
| 1 | MAIN CONTROL PANEL |
| 2 | CONTROL END |
| 3 | PIPING END |
| 4 | FAN SECTION |
| 5 | COIL SECTION |
| 6 | CUSTOMER INSTALLED |
| 7 | FIELD SUPPLIED DEVICE |

| | LEGEND | |
|-----------------------|---------------------------|-----------------|
| DEVICE DESIGNATION | DESCRIPTION | LINE NUMBER |
| 1U1 | UC400-B | 74 |
| 6U2 | ZONE SENSOR MODULE | 74,75,82,91 |
| 2U3 | WIRELESS COM INTERFACE | 86 |
| 3L1 | COOLING COIL VALVE MOTOR | 90,119 |
| 3L2 | HEATING COIL VALVE MOTOR | 94,126 |
| 5RT5 | DISCHARGE AIR SENSOR | 90 |
| 6U8 | HUMIDITY SENSOR | 93 |
| 358 | CONDENSATE OVERFLOW SWTCH | 96 |
| 159 | FREEZESTAT | 100 |
| 3RT1 | CHANGEOVER SENSOR | 89 |
| 2L2 | TWO POSITION DAMPER | 74,75,83,97,105 |
| 1U4 | ENGINE | 132 |
| | | |
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| | E -DEC-2018 | WN BY DY GRIMES | SION DATE | LACES | |
|----|----------------|---------------------------|-----------------------------------------------------------------------------------------------------------|--------------|--|
| 55 | SIMILAR TO | OTIME | THE DAMES IN PROPERTY AND SHALL NOT BE COPED OR ITS CONTENTS INSCLOSED TO CUTTER PARTIES WITCH THE WITTEN | IHANE | |
| | SHEET 2 | VERTICAL HI RISE FC - FCV | SCHEMATIC DIAGRAM | 2311-4814 F | |
| _ | | | | _11 <u>%</u> | |