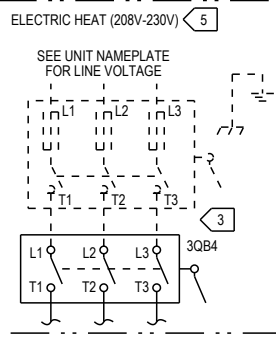
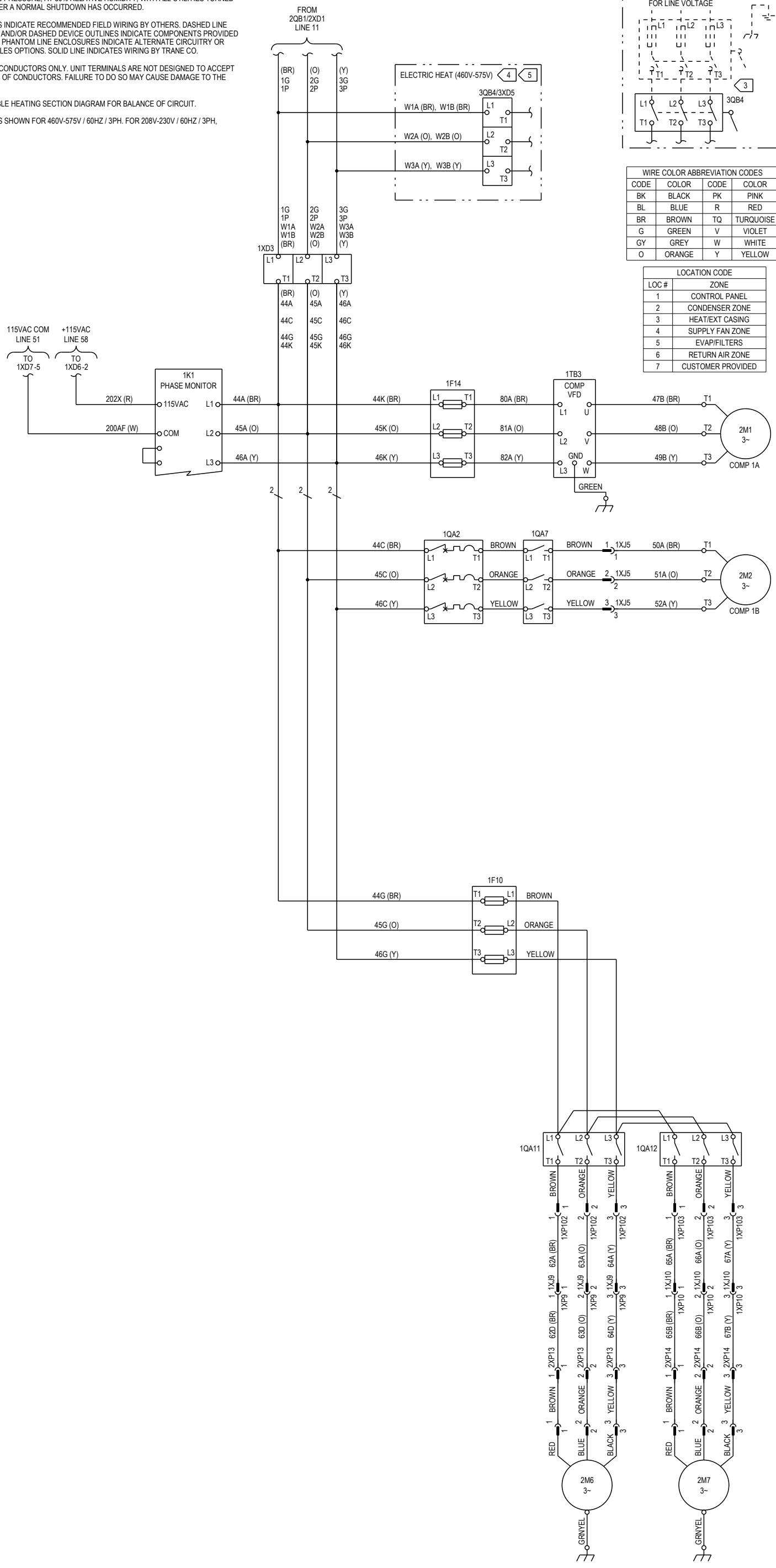


NOTES:

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 LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINE INDICATES WIRING BY TRANE CO.
3. USE COPPER CONDUCTORS ONLY. UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.
4. SEE APPLICABLE HEATING SECTION DIAGRAM FOR BALANCE OF CIRCUIT.
5. CONNECTIONS SHOWN FOR 460V-575V / 60HZ / 3PH. FOR 208V-230V / 60HZ / 3PH, SEE INSET.



| WIRE COLOR ABBREVIATION CODES |        |      |           |
|-------------------------------|--------|------|-----------|
| CODE                          | COLOR  | CODE | COLOR     |
| BK                            | BLACK  | PK   | PINK      |
| BL                            | BLUE   | R    | RED       |
| BR                            | BROWN  | TQ   | TURQUOISE |
| G                             | GREEN  | V    | VIOLET    |
| GY                            | GREY   | W    | WHITE     |
| O                             | ORANGE | Y    | YELLOW    |

| LOCATION CODE |                   |
|---------------|-------------------|
| LOC #         | ZONE              |
| 1             | CONTROL PANEL     |
| 2             | CONDENSER ZONE    |
| 3             | HEAT/EXT CASING   |
| 4             | SUPPLY FAN ZONE   |
| 5             | EVAP/FILTERS      |
| 6             | RETURN AIR ZONE   |
| 7             | CUSTOMER PROVIDED |

| LEGEND             |                                    |             |
|--------------------|------------------------------------|-------------|
| DEVICE DESIGNATION | DESCRIPTION                        | LINE NUMBER |
| 1F10               | FUSEBLOCK - COND FAN               | 92          |
| 1F14               | FUSEBLOCK - VFD                    | 75          |
| 1K1                | PHASE MONITOR                      | 75          |
| 1QA11              | CONTACTOR - COND FAN 1A            | 100         |
| 1QA12              | CONTACTOR - COND FAN 1B            | 100         |
| 1QA2               | CIRCUIT BREAKER - COMPRESSOR 1B    | 80          |
| 1QA7               | CONTACTOR - COMPRESSOR 1B          | 80          |
| 1TB3               | COMPRESSOR - VFD                   | 75          |
| 1XD3               | TERMINAL BLOCK - CONDENSER POWER   | 70          |
| 2M1                | COMPRESSOR 1A                      | 75          |
| 2M2                | COMPRESSOR 1B                      | 80          |
| 2M6                | MOTOR - COND FAN 1A                | 112         |
| 2M7                | MOTOR - COND FAN 1B                | 112         |
| 3QB4/3XD5          | DISCONNECT/TERM BLOCK - ELECT HEAT | 65          |

DESIGNER: D. CONDIE

ENGINEER: R. ROBINSON

TRANE © DATE: 04/11/18

REPLACES: ---

SIMILAR TO: ---

REVISION DATE: 10/23/18

REVISED BY: K. EDWARDS

APPROVED BY: L. D'ALBANI

CAD SYSTEM USED: PRO/ DIAGRAM

**TRANE**®

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IEC DESIGN COMPLIANT

INTELLIPAK  
DIAGRAM  
POWER SCHEMATIC - 20T-30T  
REFRIGERATION SYSTEMS  
WITH COMPRESSOR VFD

MASTER NUMBER: 12132574

DRAWING NUMBER: 12132576

SHEET: 2 OF 7

REV: C