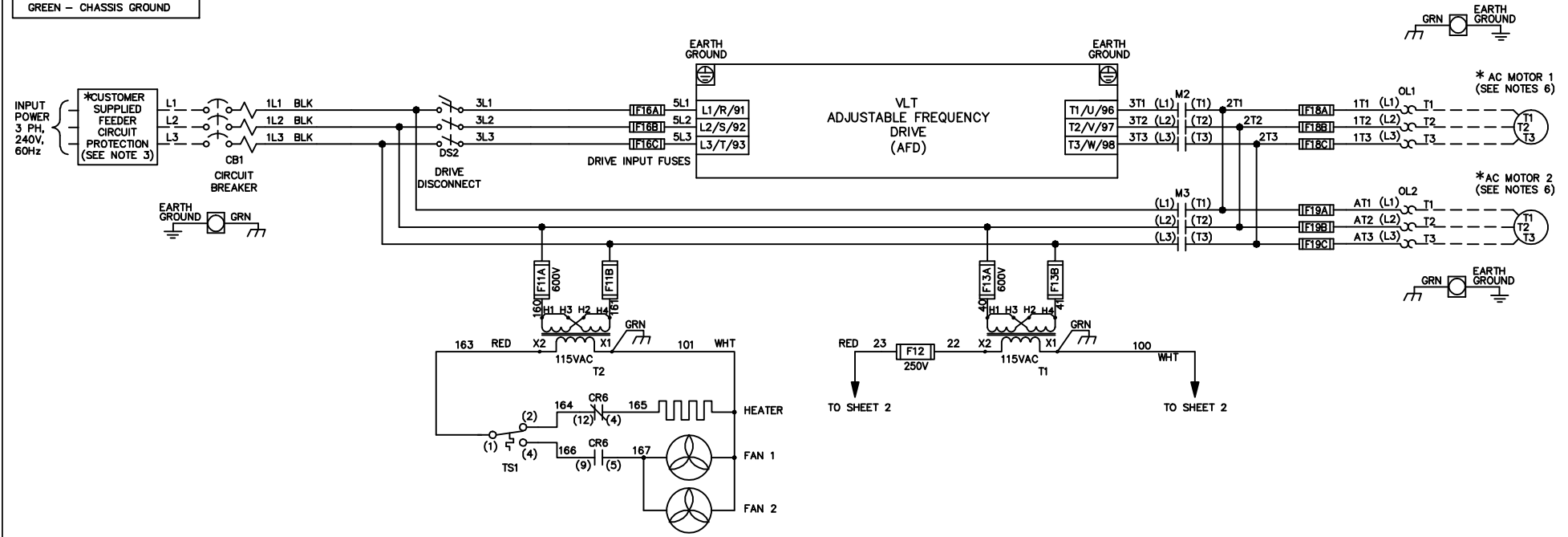


| WIRE COLOR SCHEME |                   |
|-------------------|-------------------|
| BLACK             | - LINE VOLTAGE    |
| RED               | - AC CONTROL      |
| WHITE             | - AC GROUNDED     |
|                   | CIRCUIT CONDUCTOR |
| BLUE              | - DC CONTROL      |
| GREEN             | - CHASSIS GROUND  |



- NOTES:
- \* INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.
  - REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
  - FEEDER CIRCUIT PROTECTION, INPUT POWER AND MOTOR WIRING MUST BE SELECTED IN ACCORDANCE WITH THE N.E.C., ANY APPLICATION LOCAL CODES AND THE LOAD CURRENT RATING.
  - REPLACE JUMPER 'J1' WITH NORMALLY CLOSED SAFETY INTERLOCK CONTACT AS NECESSARY. CONTACT MUST BE RATED 1/4 HP @ 120VAC MINIMUM.
  - PANEL MAY REQUIRE DERATING, CONSULT DRIVE MANUAL OR FACTORY FOR FOLLOWING CONDITIONS:
    - HIGHER SWITCHING FREQUENCY THEN DRIVE DEFAULT
    - HIGHER THEN PANEL LISTED AMBIENT TEMPERATURES
    - ELEVATION ABOVE 3300 FEET (1000 METERS)
    - LONG MOTOR LEAD LENGTHS
  - WHEN MOTOR OVERLOADS SIZES ARE DIFFERENT, MOTOR 1 WILL BE THE LARGER OF THE TWO MOTORS

**WARNING!**  
 THE FOLLOWING TABLE LIST THE PARAMETERS THAT ARE SET DIFFERENT FROM THE DRIVE DEFAULT SETTINGS. ADDITIONAL PARAMETER SETTINGS MAY BE REQUIRED FOR YOUR APPLICATION.

DRIVE PARAMETER SETTINGS

| PARAMETER # | NAME              | SETTING | VALUE              |
|-------------|-------------------|---------|--------------------|
| 0-02        | MOTOR SPEED UNIT  | 1       | HZ                 |
| 0-03        | REGIONAL SETTINGS | 1       | NORTH AMERICA      |
| 1-03        | TORQUE CHAR.      | 1       | VARIABLE TORQUE    |
| 5-02        | TERMINAL 29 TYPE  | 1       | OUTPUT             |
| 5-11        | TERMINAL 19       | 52      | RUN PERMISSIVE     |
| 5-31        | TERMINAL 29       | 5       | RUNNING            |
| 5-40[0]     | RELAY 1           | 160     | NO ALARM           |
| 5-40[1]     | RELAY 2           | 167     | START COMMAND      |
| 14-20       | RESET MODE        | 13      | INFINITE AUTO REST |

|     |            |      |   |     |     |  |     |             |  |   |                  |
|-----|------------|------|---|-----|-----|--|-----|-------------|--|---|------------------|
| B   |            |      | -NOTICE-  | DRN | DTM | NAME<br>NEMA 3R,240V,2C<br>,MAIN CB & DRIVE DISC,DRIVE FUSE<br>,3MB,DUAL MOTOR,2 FAN |     |             | THE TRANE COMPANY<br>A DIVISION OF<br>AMERICAN STANDARD INC. |   |                  |
| A   |            |      |   | APR | DTM |  |     |             |  |   |                  |
| DR  | ECNSP09001 | 1/09 | THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF THE TRANE COMPANY |     |     | MODEL  | VLT | PAGE 1 OF 2 | SIZE   | A | DWG NO. 174N4679 |
| REV | ECN        | DATE |   |     |     |  |     |             |  |   |                  |

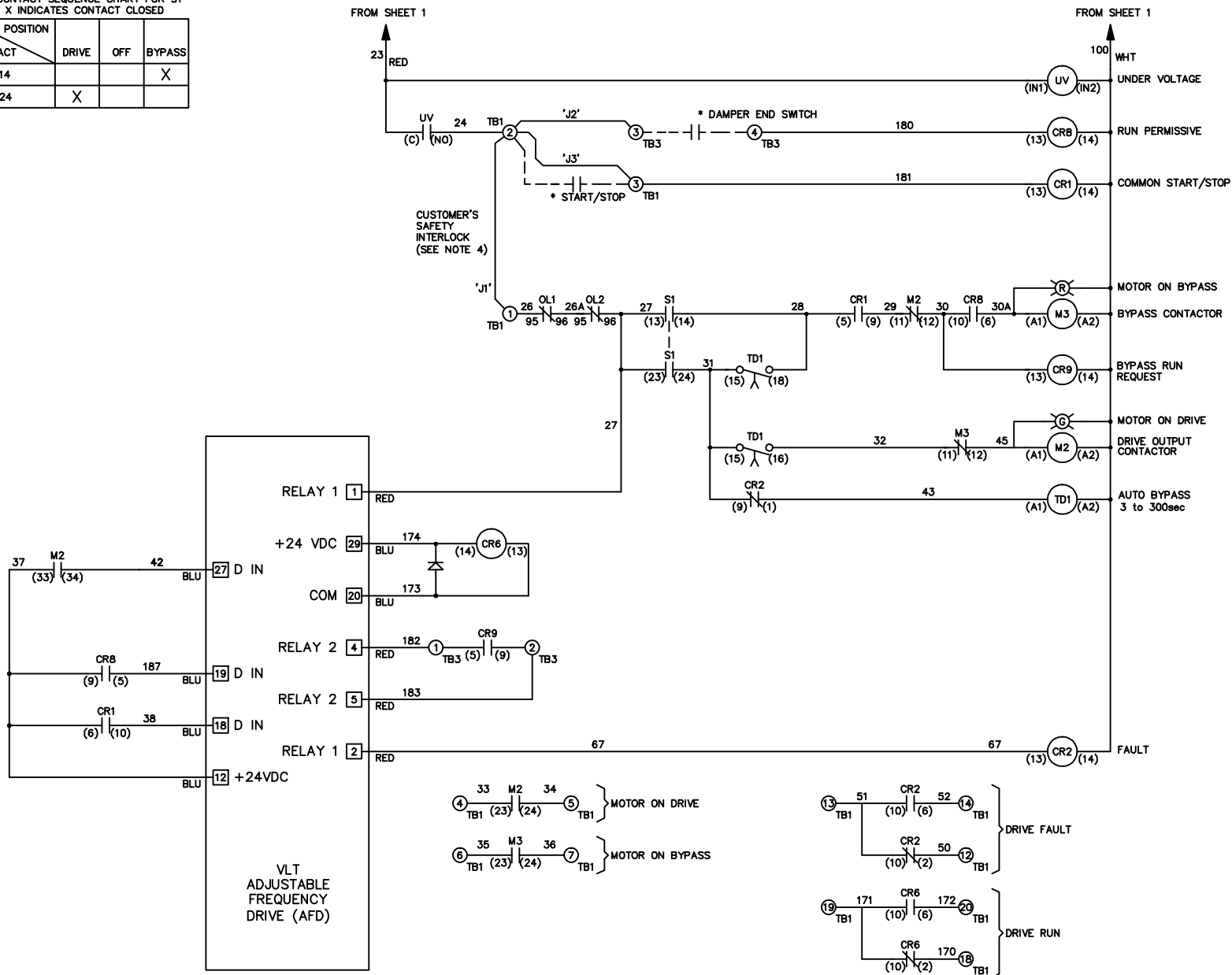
| WIRE COLOR SCHEME |                  |
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| GREEN             | - CHASSIS GROUND |

| TERMINAL IDENTIFICATION |                     |
|-------------------------|---------------------|
| (X)                     | - DRIVE TERMINAL    |
| (X)                     | - CUSTOMER TERMINAL |

CUSTOMER DRY CONTACT RATINGS

| RELAY                   | CONTACT RATING                  |
|-------------------------|---------------------------------|
| CR1, CR2, CR6, CR8, CR9 | 5A @ 120VAC<br>1/10 HP @ 120VAC |
| M2, M3                  | 10A @ 120/240VAC                |
| UV                      | 8A @ 120VAC<br>1/3 HP @ 120VAC  |
| TD1                     | 4A @ 250VAC                     |
| DRIVE RELAY 1 & 2       | 2A @ 240VAC                     |

| CONTACT SEQUENCE CHART FOR S1<br>X INDICATES CONTACT CLOSED |       |     |        |
|---|-------|-----|--------|
| CONTACT \ POSITION  | DRIVE | OFF | BYPASS |
| 13-14   |       |     | X      |
| 23-24   | X     |     |        |



|     |            |      |
|-----|------------|------|
| B   |            |      |
| A   |            |      |
| DR  | ECNSP09001 | 1/09 |
| REV | ECN        | DATE |

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DRN DTM  
APR DTM

NAME NEMA 3R,240V,2C  
,MAIN CB & DRIVE DISC,DRIVE FUSE  
,3MB,DUAL MOTOR,2 FAN  
MODEL VLT  
PAGE 2 OF 2  
SIZE A  
DWG NO. 174N4679

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