

- 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

**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.      | 3       | AUTO ENERGY OPTIM VT |
| 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-<br>THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF THE TRANE COMPANY | DRN | DTM | NAME<br>NEMA 3R,600V,3C<br>,MAIN CB,DRIVE FUSE<br>,3MB,IR,SINGLE MOTOR,1 FAN |  | THE TRANE COMPANY<br>A DIVISION OF<br>AMERICAN STANDARD INC. |  |
| A   |            |      |                                                                                                                                                               | APR | DTM |                                                                              |  |                                                              |  |
| DR  | ECNSP09001 | 1/09 |                                                                                                                                                               |     |     |                                                                              |  |                                                              |  |
| REV | ECN        | DATE |                                                                                                                                                               |     |     |                                                                              |  |                                                              |  |

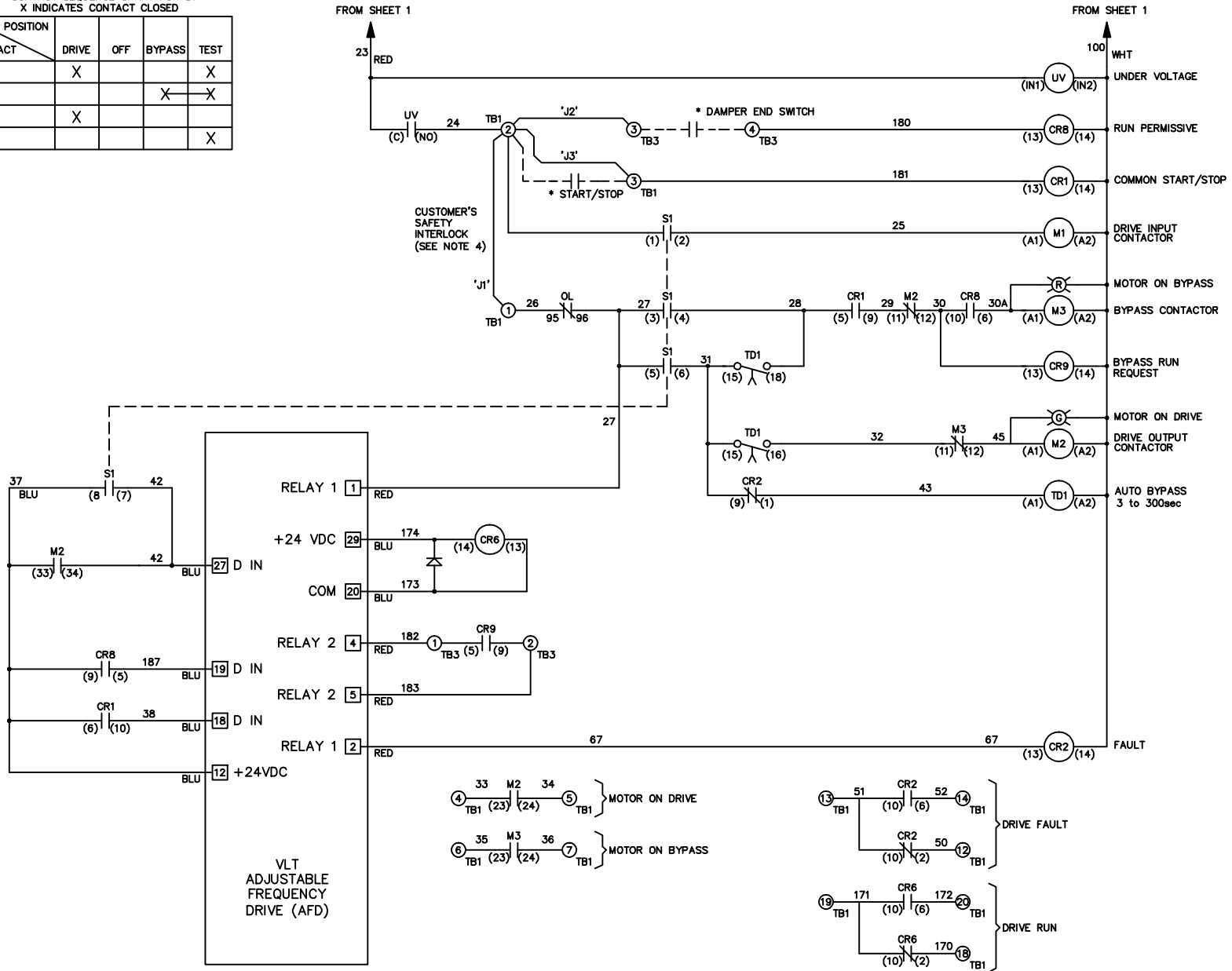
| WIRE COLOR SCHEME |                  |
|-------------------|------------------|
| BLACK             | - LINE VOLTAGE   |
| RED               | - AC CONTROL     |
| WHITE             | - AC GROUNDED    |
| BLUE              | - DC CONTROL     |
| GREEN             | - CHASSIS GROUND |

| 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 |
| M1, 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 | TEST |
| 1-2                                                         | X     |     |        | X    |
| 3-4                                                         |       |     | X      | X    |
| 5-6                                                         | X     |     |        |      |
| 7-8                                                         |       |     |        | X    |



|     |            |      |
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DRN DTM  
APR DTM

NAME NEMA 3R,600V,3C  
,MAIN CB,DRIVE FUSE  
,3MB,IR,SINGLE MOTOR,1 FAN  
MODEL VLT  
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SIZE A  
DWG NO. 174N4387

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