WIRE COLOR SCHEME BLACK - LINE VOLTAGE RED - AC CONTROL WHITE - AC GROUNDED
CIRCUIT CONDUCTOR
BLUE - DC CONTROL
GREEN - CHASSIS GROUND EARTH GROUND EARTH GROUND * AC MOTOR (SEE NOTES 6) *CUSTOMER SUPPLIED 1<u>T1 (L1) x T1</u> L1 (L1) (T1) 1L1 BLK 5L1 L1/R/91 3T1 (L1) (T1) INPLIT T1/U/96 IF18AII F16A [F16B] 5L2 POWER ADJUSTABLE FREQUENCY 3T2 (L2) (T2) ` 1T2 (L2) T2 BRANCH L2 (L2) (T2) 1L2 BLK T2/V/97 ||F188||-3 PH, 480V, L2/S/92 | L2/3/92 | SL3 | L3/T/93 DRIVE CIRCUIT L3 (L3) (T3) 1L3 BLK 1<u>T3 (L3) 7 T3</u> 3T3 (L3) (T3) _2T3 PROTECTION DS2 T3/W/98 -IIF18CII-(AFD) (SEE NOTE 3) DRIVE INPUT FUSES DRIVE *AC MOTOR 2 DISCONNECT DISCONNECT (SEE NOTES 6) M3 (L1) | (T1) (L2) | (T2) OL2 F19Al AT2 (L2) 12 |F19B| (L3) (T3)AT3 (L3) -IF19CII-163 RED 101 WHT 115VAC 115VAC CR6 TO SHEET 2 TO SHEET 2 HEATER (1) 4 (4) 167 FAN 1 (9) (5) TS1

NOTES:

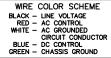
- 1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.
- 2. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- BRANCH CIRCUIT PROTECTION, INPUT POWER AND MOTOR WIRING MUST BE SELECTED IN ACCORDANCE WITH THE N.E.C., ANY APPLICATION LOCAL CODES AND THE LOAD CURRENT RATING.
- 4. REPLACE JUMPER 'J1' WITH NORMALLY CLOSED SAFETY INTERLOCK CONTACT AS NECESSARY. CONTACT MUST BE RATED 1/4 HP @ 120VAC MINIMUM.
- 5. PANEL MAY REQUIRE DERATING, CONSULT DRIVE MANUAL OR FACTORY FOR FOLLOWING CONDITIONS:
- 5.1. HIGHER SWITCHING FREQUENCY THEN DRIVE DEFAULT
- 5.2. HIGHER THEN PANEL LISTED AMBIENT TEMPERATURES
- 5.3. ELEVATION ABOVE 3300 FEET (1000 METERS)
- 5.4. LONG MOTOR LEAD LENGTHS
- 6. 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 |
| 5-31 | TERMINAL 29 | 5 | RUNNING |
| 14-20 | RESET MODE | 13 | INFINITE AUTO REST |
| | | | |
| | | | |

| B A | EQUADO O O O | 1 /00 | -NOTICE- 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 | NI ,MAIN & ,3MB2 | THE TRANE COMPANY A DIVISION OF AMERICAN STANDARD INC. | | |
|--------|-------------------|--------------|--|---------|-------|------------------------|--|------|---------|
| REV | ECNSP09001 ECN | 1/09 DATE | | DTM | MODEL | VLT | PAGE <u>1</u> OF <u>2</u> | SIZE | DWG 1 7 |



TERMINAL IDENTIFCATION

X - DRIVE TREMINAL

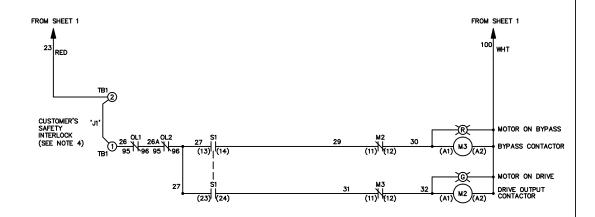
O - CUSTOMER TERMINAL

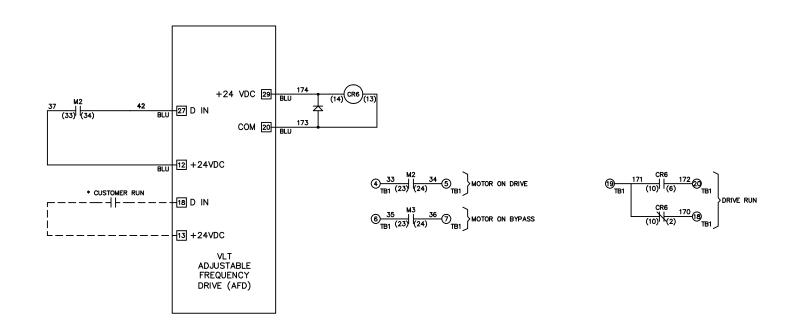
CUSTOMER DRY CONTACT RATINGS

| RELAY | CONTACT RATING | | |
|--------|---------------------------------|--|--|
| CR6 | 5A @ 120VAC 1/10 HP @ 120VAC | | |
| M2, M3 | 10A @ 120/240VAC | | |



| A INDICATES CONTACT CLOSED | | | | | | | |
|----------------------------|-------|-----|--------|--|--|--|--|
| POSITION | | | | | | | |
| CONTACT | DRIVE | OFF | BYPASS | | | | |
| 13-14 | | | Χ | | | | |
| 23-24 | Χ | | | | | | |





| В | | |
|-----|------------|------|
| Α | | |
| DR | ECNSP09001 | 1/09 |
| REV | ECN | DATE |

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| DRN | NAME | NAME NEMA 3R,480V,2C | | | | |
|-----|-------|----------------------|-----------------|-------------|--------|---|
| DTM | | ,MAIN & | DRIVE DIS | C,DRIV | E FUSE | |
| APR | | ,3MB2 | 2,DUAL MO | TOR,1 | FAN | |
| DTM | MODEL | VLT | PAGE <u>2</u> 0 |)F <u>2</u> | SIZE | D |

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