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> (A1) (A2) 4L1 (IF16A) 5L1 L1/R/91 L1 (L1) (T1) 1L1 BLK 3T1 (L1) (T1) INPLIT T1/U/96 IF18AII POWER ADJUSTABLE FREQUENCY 3T2 (L2) (T2) ` 1T2 (L2) T2 BRANCH L2 (L2) (T2) 1L2 BLK ||F188||-3 PH, 208V, T2/V/97 DRIVE CIRCUIT L3 (L3) (T3) 1L3 BLK 1T3 (L3) 13 3T3 (L3) (T3) \_2T3 PROTECTION DS2 T3/W/98 -IIF18CII-(AFD) (SEE NOTE 3) INPUT DRIVE INPUT FUSES DRIVE \*AC MOTOR 2 DISCONNECT DISCONNECT REACTOR (SEE NOTES 6) M3 (L1) | (T1) (L2) | (T2) OL2 F19Al AT2 (L2) 12 |F19B| (L3) (T3)AT3 (L3) -IF19CII-H2 H3 H4 163 RED X2 ( 101 23 WHT 115VAC 115VAC CR6 TO SHEET 2 TO SHEET 2 HEATER (1) 4 (4) CR6 167 (9) FAN 1 TS1

# 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.

### NOTES:

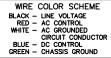
1. \* INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

- 2. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- BRANCHCIRCUIT 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

#### DRIVE PARAMETER SETTINGS

PARAMETER #	NAME	SETTING	VALUE HZ NORTH AMERICA VARIABLE TORQUE		
0-02	MOTOR SPEED UNIT	1			
0-03	REGIONAL SETTINGS	1			
1-03	TORQUE CHAR.	1			
5-02	TERMINAL 29 TYPE	1	OUTPUT		
5-31	TERMINAL 29	5	RUNNING		
14-20	RESET MODE	13	INFINITE AUTO REST		

В			-NOTICE-	DRN NAME NEMA 3R,208V,2C					THE TRANE COMPANY	
Α			THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO	DTM		,MAIN & DRIVE DISC,DRIVE FUSE ,3MB2,IR,DUAL MOTOR,1 FAN				A DIVISION OF AMERICAN STANDARD INC.
DR	ECNSP09001	1/09	OUTSIDE PARTIES WITHOUT THE WRITTEN	APR		,3MB∠,	IR,DUAL MUTUR,		I =	<u> </u>
REV	ECN	DATE	CONSENT OF THE TRANE COMPANY	DTM	MODEL	VLT	PAGE <u>1</u> OF <u>2</u>	SIZE	Pwg 1 7	4N3764



# TERMINAL IDENTIFCATION

X - DRIVE TREMINAL

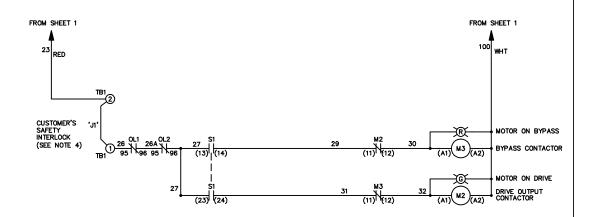
O - CUSTOMER TERMINAL

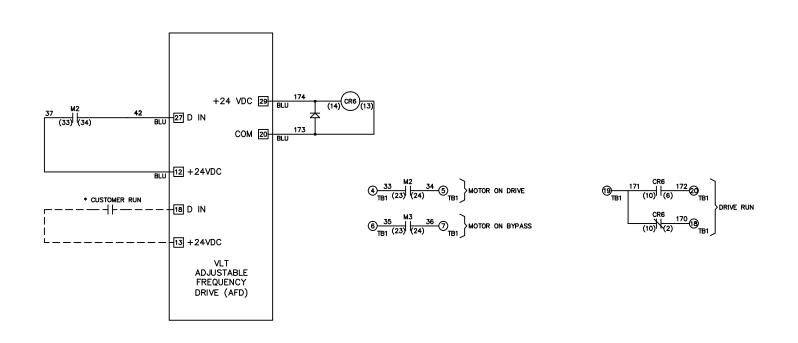
## CUSTOMER DRY CONTACT RATINGS

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



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





В		
Α		
DR	ECNSP09001	1/09
REV	ECN	DATE

DRN DTM	NAME	,MAIN &	EMA 3R,208V,20 DRIVE DISC,DRIV IR,DUAL MOTOR,		THE TRANE COMPANY A DIVISION OF AMERICAN STANDARD INC.	
DTM	MODEL	VLT	PAGE 2 OF 2	SIZE	DWG 1 7	4N3764