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 (F15AI) 2L1 3<u>T1 (L1)</u> (T1) INPLIT L1/R/91 T1/U/96 IF18AII F16A [F16B] 5L2 POWER ADJUSTABLE FREQUENCY L2 (L2) (T2) 1L2 BLK 3T2 (L2) (T2) ` 1T2 (L2) <u>T2</u> FEEDER T2/V/97 || IF188||-3 PH, 480V, L2/S/92 | L2/3/92 | SL3 | L3/T/93 DRIVE CIRCUIT L3 (L3) (T3) 1L3 BLK [[F15C]] 2L3 1<u>T3 (L3) 7 T3</u> 3T3 (L3) (T3) _2T3 PROTECTION T3/W/98 -IIF18CII-(AFD) (SEE NOTE 3) DRIVE INPUT FUSES *AC MOTOR 2 DISCONNECT FUSES (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) 5 (4) 167 FAN 1 (9) | (5)

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:

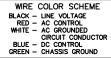
1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

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

В			-NOTICE-	DRN	NAME	N	EMA 3R,480V,2C		THE TRANE COMPANY
Α			THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF THE TRANE COMPANY	DTM	,MAIN DISC,MAIN & DRIVE FUSE ,3MB2,DUAL MOTOR,1 FAN			A DIVISION OF AMERICAN STANDARD INC.	
DR	ECNSP09001	1/09		APR	MODEL	,314152	 	SIZE A DWG 1 7	7 4 5 1 4 0 7 7
REV	ECN	DATE		DTM	MODEL	VLT	PAGE <u>1</u> OF <u>2</u>	A No. 7	4N4U/3



TERMINAL IDENTIFCATION

X - DRIVE TREMINAL

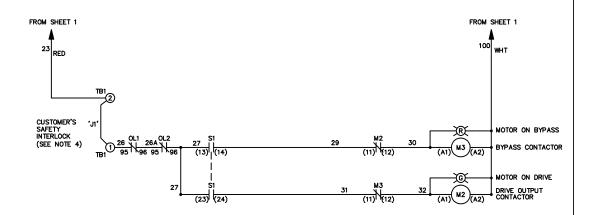
O - CUSTOMER TERMINAL

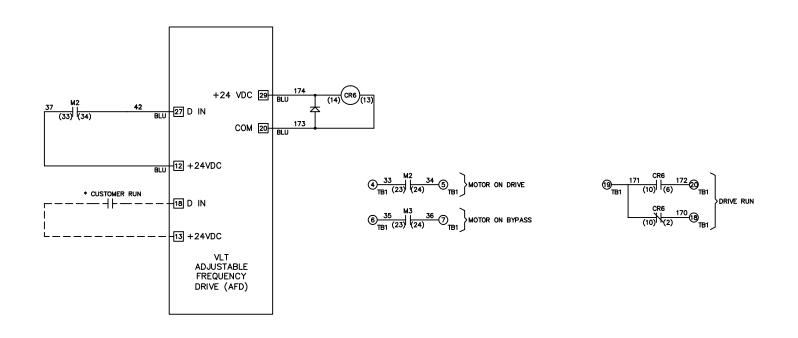
CUSTOMER DRY CONTACT RATINGS

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

CONTACT SEQUENCE CHART FOR S1 X INDICATES CONTACT CLOSED

A HIDIOATES CONTROL CECOLS							
POSITION							
CONTACT	DRIVE	OFF	BYPASS				
13-14			Χ				
23-24	Χ						





В		
Α		
DR	ECNSP09001	1/09
REV	ECN	DATE

DTM	NAME NEMA 3R,480V,2C ,MAIN DISC,MAIN & DRIVE .3MB2,DUAL MOTOR,1				E FUSE		
APR	1	,510102	JUGAL MOTO	11,1	I AIN		
DTM	MODEL	VLT	PAGE <u>2</u> OF _	2	SIZE	DWG 1	

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