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 1T1 (L1) x T1 L1 (L1) (T1) 1L1 BLK (F15AI) 2L1 5L1 L1/R/91 3<u>T1 (L1)</u> (T1) INPLIT T1/U/96 IF18AII F16A [F16B] 5L2 POWER ADJUSTABLE FREQUENCY L2 (L2) (T2) 1L2 BLK 3T2 (L2) (T2) ` 1T2 (L2) T2 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 DS2 T3/W/98 -IIF18CII-(AFD) (SEE NOTE 3) DRIVE INPUT FUSES DRIVE *AC MOTOR 2 DISCONNECT **FUSES** 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

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:

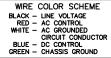
1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

- 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 'JI' 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
- 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	NAME SETTING		
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		EMA 3R,480V,2C			THE TRANE COMPANY
Α			THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO	DTM	,М		/E DISC,MAIN & 2,DUAL MOTOR,1		FUSE	A DIVISION OF AMERICAN STANDARD INC.
DR	ECNSP09001	1/09	OUTSIDE PARTIES WITHOUT THE WRITTEN	APR	MODEL	,510102	L,DOAL MOTOR,T	SIZE A		4
REV	ECN	DATE	CONSENT OF THE TRANE COMPANY	DIM	WODLL	VLT	PAGE <u>1</u> OF <u>2</u>		Pwg 1 7	4N412/



TERMINAL IDENTIFICATION

X - DRIVE TREMINAL

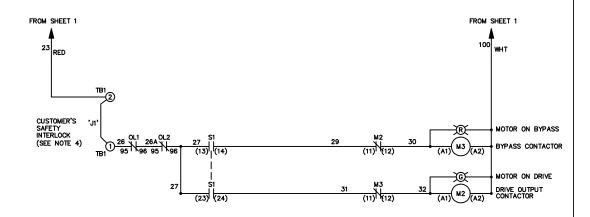
O - CUSTOMER TERMINAL

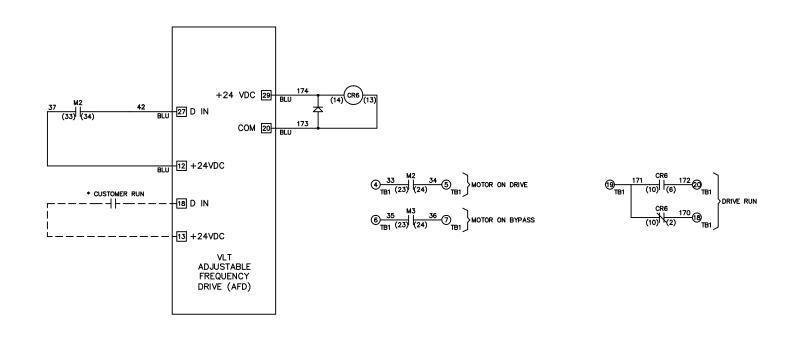
CUSTOMER DRY CONTACT RATINGS

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			Х				
23-24	Χ						





В		
Α		
DR	ECNSP09001	1/09
REV	ECN	DATE

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DTM	NAME	,MAIN & DRIV	EMA 3R,480V,2C /E DISC,MAIN & 2,DUAL MOTOR,1	DRIVE F	FUSE	THE TRANE A DIVISION AMERICAN STAI
DTM	MODEL	VLT	PAGE 2 OF 2		DWG 17	4N41

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