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

TERMINAL IDENTIFICATION

| X | - DRIVE TERMINAL

CUSTOMER TERMINAL

EARTH GROUND EARTH GROUND AC MOTOR *CUSTOMER SUPPLIED BLK 3L1 L1/R/91 INPUT T1/U/96 F16A 0-\\ 1L2 POWER | T16B| 3L2 | L1/R/91 | L2/S/92 ADJUSTABLE FREQUENCY FEEDER BLK T2 3 PH, 208V, T2/V/97 DRIVE |F16E| 3L3 | L2/3/92 | L3/T/93 CIRCUIT BLK PROTECTION T3/W/98 (AFD) (SEE NOTE 3) CB1 DRIVE INPUT FUSES CIRCUIT BREAKER EARTH GROUND GRN * CUSTOMER RUN -18 D IN +24 VDC 29 163 RED X3 100 WHT CUSTOMER DRY CONTACT RATINGS F12 -13 +24VDC 115VAC 250V COM 20 BLU RELAY CONTACT RATING 27 D IN HEATER (SET: 65° F) CUSTOMER'S SAFETY 'J1' (12) 5 (11) TS1 5A @ 120VAC CR6 1/10 HP @ 120VAC INTERLOCK CR6 (SEE NOTE 4) 12 +24VDC 167 2) FAN 1 (SET: 80° F) (9) (5) (23) (24) TS1 TB2 VLT FAN 2 ADJUSTABLE 53_3 FREQUENCY (10) (6) DRIVE (AFD) 2)FAN 3 DRIVE RUN TB2 CR6 51 (10) (2) FAN 4

NOTES:

1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.

- 2. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
- 3. 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.
- 5. PANEL MAY REQUIRE DERATING, CONSULT DRIVE MANUAL OR FACTORY FOR FOLLOWING CONDITIONS:
- 5.1. HIGHER SWITCHING FREQUENCY THAN DRIVE DEFAULT
- 5.2. HIGHER THAN PANEL LISTED AMBIENT TEMPERATURES
- 5.3. ELEVATION ABOVE 3300 FEET (1000 METERS)
- 5.4. LONG MOTOR LEAD LENGTHS

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 RUNNING			
5-31	TERMINAL 29	5				
14-20	RESET MODE	13	INFINITE AUTO REST			

WARNING!
THE FOLLOWING TABLE LISTS THE PARAMETERS THAT

В			-NOTICE-	DRN	NAME		IEMA 3R,208V,NE			THE TRANE COMPANY	
А	SP10119	11/10	THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN	DIM	DTM ,MAIN CB ,DRIVE FU .SINGLE MOTOR.4 F.					A DIVISION OF AMERICAN STANDARD INC.	
l DR	SP10076	09/10		APR O TI	, ,						
	000,0	007.0	CONSENT OF THE TRANE COMPANY		MODEL	TD 0 0 0	1 1	SIZE A	IDWG 1 C		
REV	ECN	DATE	CONSERVE OF THE TRAINE COMMENTAL	DIM		TR200	PAGE <u>1</u> OF <u>1</u>	\square	NO. C	0084104	