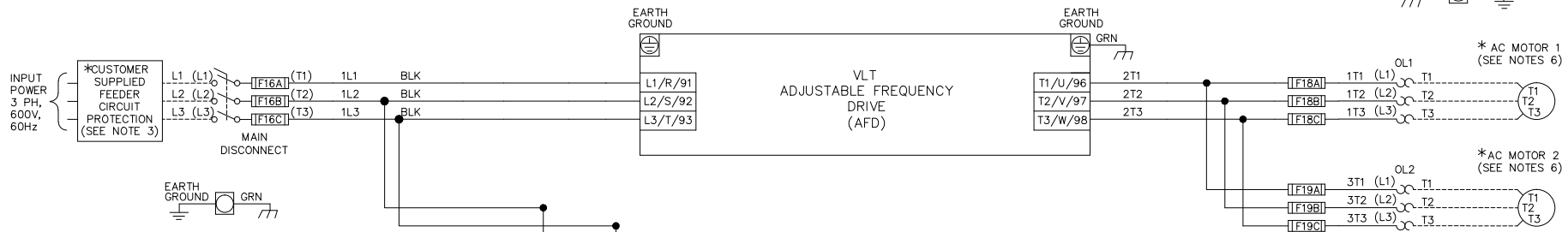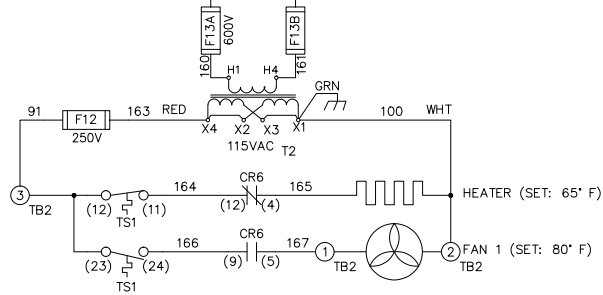**WIRE COLOR SCHEME**
BLACK — LINE VOLTAGE
RED — AC CONTROL
WHITE — AC GROUNDED
CIRCUIT CONDUCTOR
BLUE — DC CONTROL
GREEN — CHASSIS GROUND

TERMINAL IDENTIFCATION
X — DRIVE TERMINAL
Ⓧ — CUSTOMER TERMINAL

EARTH GROUND GRN

INPUT POWER 3 PH, 600V, 60Hz

*CUSTOMER SUPPLIED FEEDER CIRCUIT PROTECTION (SEE NOTE 3)

L1 (L1) | F16A| (T1) 1L1 BLK
L2 (L2) | F16B| (T2) 1L2 BLK
L3 (L3) | F16C| (T3) 1L3 BLK

MAIN DISCONNECT

EARTH GROUND GRN

EARTH GROUND

VLT ADJUSTABLE FREQUENCY DRIVE (AFD)

L1/R/91
L2/S/92
L3/T/93

EARTH GROUND GRN

T1/U/96 2T1
T2/V/97 2T2
T3/W/98 2T3

OL1
*AC MOTOR 1 (SEE NOTES 6)
|F18A| 1T1 (L1) T1
|F18B| 1T2 (L2) T2
|F18C| 1T3 (L3) T3
T1 T2 T3

OL2
*AC MOTOR 2 (SEE NOTES 6)
|F19A| 3T1 (L1) T1
|F19B| 3T2 (L2) T2
|F19C| 3T3 (L3) T3
T1 T2 T3

GRN EARTH GROUND

|F13A| 600V |F13B|
160 H1 H4 161
91 F12 250V 163 RED
X4 X2 X3 X1
115VAC T2
GRN
100 WHT

CUSTOMER DRY CONTACT RATINGS

RELAY	CONTACT RATING
CR6	5A @ 120VAC 1/10 HP @ 120VAC

3 TB2 (12) TS1 (11) 164 CR6 (12)(4) 165 HEATER (SET: 65° F)
(23) TS1 (24) 166 CR6 (9)(5) 167 1 TB2 FAN 1 (SET: 80° F) 2 TB2

* CUSTOMER RUN
18 D IN
13 +24VDC

+24 VDC 29 BLU 29 CR6 (14)(13)
27 D IN BLU 27
COM 20 BLU 20

55 OL1 41 OL2 27 BLU
95 96 95 96

TB1 5 'J1' TB1 4 12 +24VDC
12 BLU

CUSTOMER'S SAFETY INTERLOCK (SEE NOTE 4)

VLT ADJUSTABLE FREQUENCY DRIVE (AFD)

2 TB1 52 CR6 (10)(6) 53 3 TB1
CR6 (10)(2) 51 1 TB1
DRIVE RUN

WARNING!
THE FOLLOWING TABLE LISTS 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
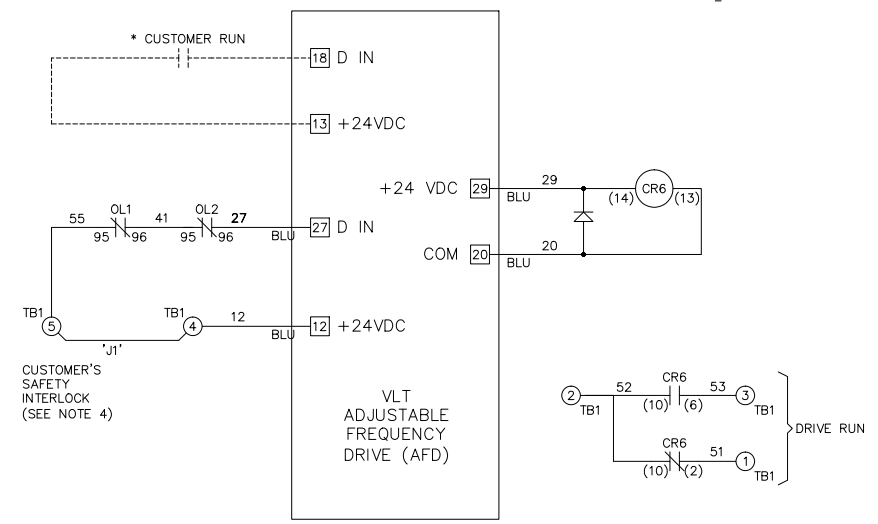
NOTES:
1. * INDICATES COMPONENTS NOT SUPPLIED BY MANUFACTURER.
2. REFER TO THE INSTALLATION AND OPERATION MANUAL FOR DRIVE FUNCTIONS AND PARAMETER SETTINGS.
3. FEEDER CIRCUIT PROTECTION, INPUT POWER AND MOTOR WIRING MUST BE SELECTED IN ACCORDANCE WITH THE N.E.C., ANY APPLICATION LOCAL CODES AND THE LOAD 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
6. WHEN MOTOR OVERLOADS SIZES ARE DIFFERENT, MOTOR 1 WILL BE THE LARGER OF THE TWO MOTORS

REV	ECN	DATE		
B				
A	SP10119	11/10		
DR	SP10076	09/10		

DRN: DTM
APR: DTM

NAME: NEMA 3R,600V,NB ,MAIN FUSE DISC, DRIVE FUSE ,DUAL MOTOR,1 FAN

MODEL: VLT   PAGE 1 OF 1   SIZE A   DWG NO. 185B2323

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