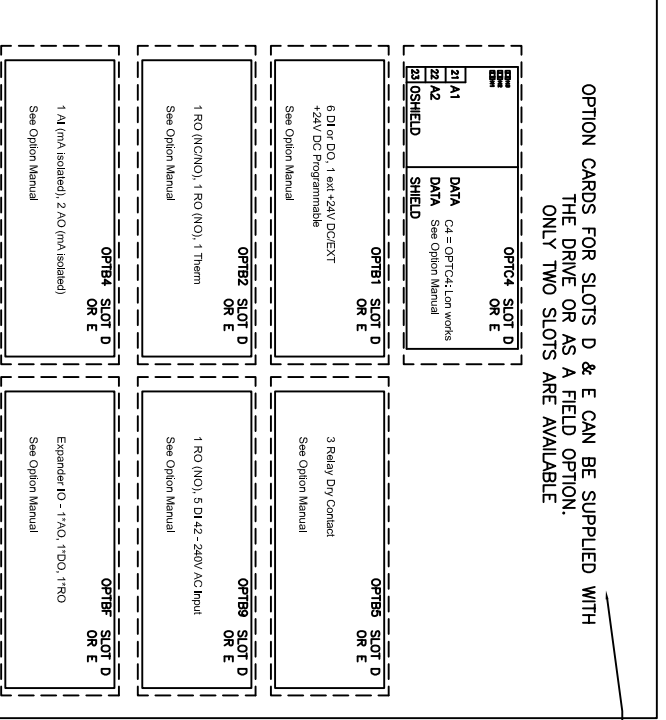
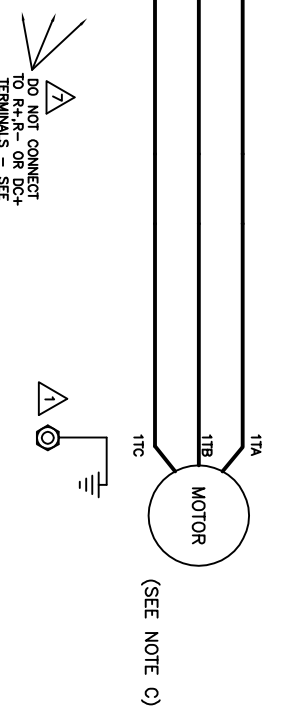
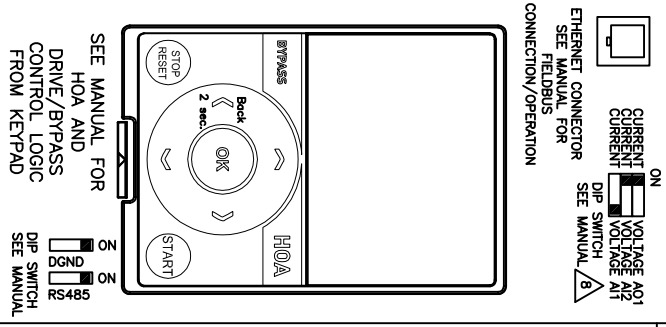
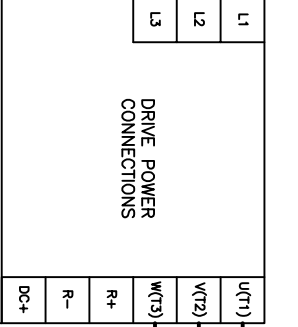


MAIN CONTROL PCB	
1	+10V REFERENCE OUTPUT
2	AI-1+ ANALOG INPUT VOLTAGE (RANGE 0-10 VDC)
3	VI ANALOG INPUT COMMON
4	AI-2+ ANALOG INPUT CURRENT (RANGE 4-20mA)
5	AI-2- (RANGE 4-20mA)
6	24Vout CONTROL VOLTAGE OUTPUT
7	GROUND I/O GROUND
8	DIN1 START/STOP
9	DIN2 EXTERNAL FAULT
10	DIN3 RUN PERMISSIVE IP INTERLOCK
11	COMA DIN1-DIN6 COMMON
12	24Vout CONTROL VOLTAGE OUTPUT
13	GROUND I/O GROUND
14	DIN4 SPEED SELECT (PROGRAMMABLE 0-100%)
15	DIN5 FIRE MODE
16	DIN6 FORCE BYPASS
17	COMB DIN4-DIN6 COMMON
18	AO-1+ OUTPUT FREQUENCY
19	AO-1- ANALOG OUTPUT
30	24VIN 24VDC AUX INPUT VOLTAGE
A	DATA- RS485 DATA-
B	DATA+ RS485 DATA+

RELAY BOARD 1 STD SLOT B	
21	RO1 BYPASS RUN
22	RO2 DRIVE RUN
23	RO3 DRIVE FAULT



NOTE A: INCOMING POWER CONNECTION:
 RUN CABLING IN SEPARATE METAL CONDUIT OR WIRE TRAY.
 DO NOT RUN WITH CONTROL WIRING OR MOTOR CABLES.
 CABLES TO BE SIZED PER NEC.
 PROVIDE LOW IMPEDANCE GROUND CONNECTION TO DRIVE CHASSIS.
 DO NOT CONNECT TO B+, B- TERMINALS. THESE TERMINALS ARE USED FOR EXTERNAL BRAKING IF REQUIRED.

NOTE B: I/O CONNECTION:
 RUN MOTOR CABLES IN SEPARATE CONDUIT.
 COMMUNICATION WIRE TO BE SHIELDED.
 KEYPAD CABLE MUST BE LESS THEN 20 FEET.

NOTE C: MOTOR CONNECTION:
 RUN MOTOR CABLES IN SEPARATE METAL CONDUIT OR WIRE TRAY.
 DO NOT RUN WITH CONTROL WIRING OR POWER CABLES.
 CABLES TO BE SIZED PER NEC.
 PROVIDE LOW IMPEDANCE GROUND CONNECTION BETWEEN MOTOR AND DRIVE.

- NOTES:
- ENCLOSURE AND MOTOR(S) MUST BE GROUNDED. SEE INSTRUCTION MANUAL.
 - JUMPER IS FACTORY INSTALLED TO ENABLE START PERMISSIVE. CAN BE REPLACED WITH N/C CONTACT.
 - CLOSE TERMINALS 6 TO 8 OR 8 TO 12 TO START IN AUTO MODE - SEE MANUAL.
 - RELAYS SHOWN IN DE-ENERGIZED STATE.

- DO NOT MAKE ANY CONNECTIONS TO DC+, R+, R- TERMINALS. THESE TERMINALS ARE USED FOR OPTIONAL DYNAMIC BRAKING.
- ALTERNATE CONTROL PCB DIP SWITCH CONFIG SHOWN BELOW



OPTION CODE: P3 SA

TITLE
HMAX FRAME SIZES 4-7
 INTELLIDISCONNECT

ADDED TABS 0009 THRU 0016 AND 1009 THRU 1016;
 ADDED HEATER TO SCHEMATIC ON TABS 0009 THRU 0016 AND 1009 THRU 1016;
 THIRD ANGLE PROJECTION

FILE TYPE	AutoCAD
DWG FILENAME	285446.DWG
ECO NUMBER	ECO-041338
REVISION	004

DR	01/21/13	DATE
RAK	01/21/13	DATE
PKJ	01/21/13	DATE
PJF	01/21/13	DATE
APPD	01/21/13	DATE
PRODOT	HMAX	PRODUCT
G.O. NUMBER	285446-0011	DWG NO.

DWG TYPE	SCHEMATIC
SHEET	1 OF 1