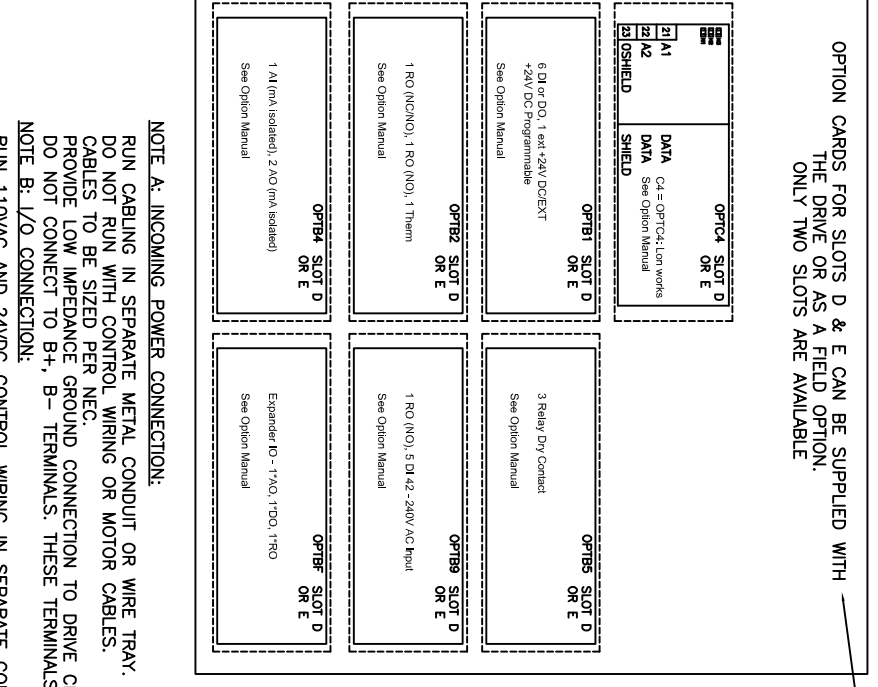
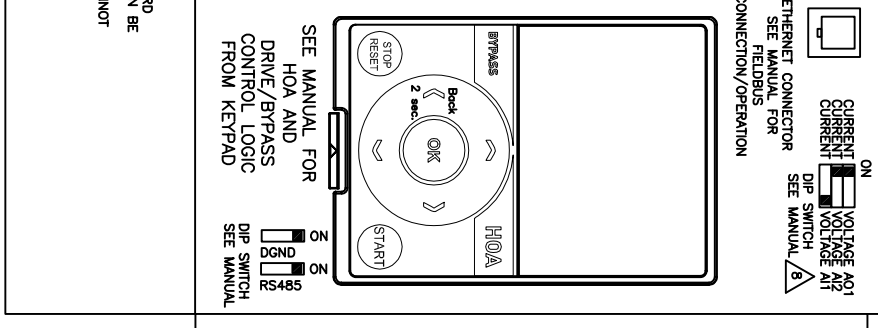


MAIN CONTROL PCB	
1	+10V REFERENCE OUTPUT
2	AI-1+ ANALOG INPUT VOLTAGE (RANGE 0-10 VDC)
3	VI ANALOG INPUT COMMON
4	AI-2+ ANALOG INPUT CURRENT (RANGE 4-20mA)
5	AI-2- CONTROL VOLTAGE OUTPUT
6	24Vout I/O GROUND
7	DN1 START/STOP
8	DN2 EXTERNAL FAULT
9	DN3 RUN PERMISSIVE IP INTERLOCK
10	DN4 DN1-DN6 COMMON
11	24Vout I/O GROUND
12	24Vout I/O GROUND
13	DN4 SPEED SELECT (PROGRAMMABLE 0-100%)
14	DN4 FIRE MODE
15	DN5 FORCE BYPASS
16	DN6 DN4-DN6 COMMON
17	DN6 DN4-DN6 COMMON
18	AO-1+ ANALOG OUTPUT
19	AO-1- ANALOG OUTPUT
20	24Vout 24VDC AUX INPUT VOLTAGE
A	DATA- RS485 DATA-
B	DATA+ RS485 DATA+



OPTION CARDS FOR SLOTS D & E CAN BE SUPPLIED WITH THE DRIVE OR AS A FIELD OPTION. ONLY TWO SLOTS ARE AVAILABLE.

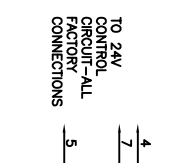
(SEE NOTE B)

NOTE A: INCOMING POWER CONNECTION:
 RUN CABLES 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 110VAC AND 24VDC CONTROL WIRING 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.
 - WHEN P5G60F/P5G120F IS SUPPLIED, L3 WILL BE WIRED TO 1L3.
 - ELECTRIC INTERLOCK BY VFD SOFTWARE.
 - 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



ADDED TABS 0010 THRU 0018 AND 1010 THRU 1018; ADDED HEATER TO SCHEMATIC ON 0010 THRU 0018 AND 1010 THRU 1018;

FILE TYPE	AutoCAD
.DWG FILENAME	285447.DWG

DR	01/21/13	DATE	
RAK	01/21/13	DATE	
CKD	01/21/13	DATE	
PJF	01/21/13	DATE	
APFD	01/21/13	DATE	
PJF	01/21/13	DATE	
ECO NUMBER	ECO-041338	REVISION	005

TITLE	HMAX FRAME SIZES 4-7
PRODUCT	HMAX
G.O. NUMBER	285447-0008
DWG NO.	285447-0008
DWG TYPE	SCHEMATIC
SHEET	1 OF 1