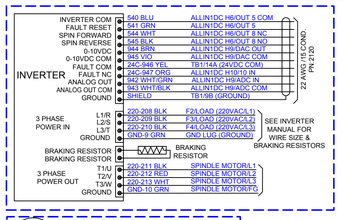
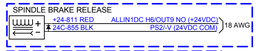
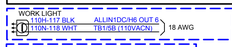


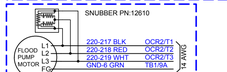


NOTE 1

110VAC SPINDLE COOLING FAN
110H-122 BLK connects from CNT1/L3 to TB1/3A.
Wire 110H-123 BLK connects to CNT1/T3.
Wire 110N-124 WHT connects to TB1/7A.
Wires are 18 AWG

220VAC SPINDLE COOLING FAN
220-297 BLK connects from F3/LOAD to CNT1/L3. Wire 220-298 BLK connects to CNT1/T3. Wire 220-299 WHT connects to F4/LOAD.
Wires are 14 AWG

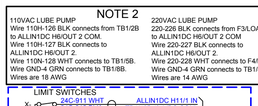




NOTE 2

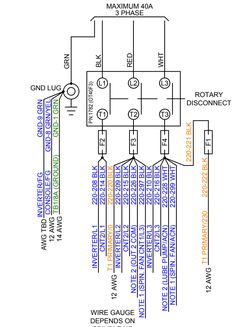
110VAC LUBE PUMP
Wire 110H-128 BLK connects from TB1/2B to ALLIN1DC H6/OUT 2 COM.
Wire 110H-127 BLK connects to ALLIN1DC H6/OUT 2.
Wire 110N-128 WHT connects to TB1/5B.
Wire GND-4 GRN connects to TB1/9B.
Wires are 18 AWG

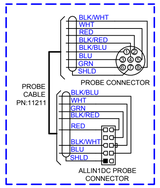
220VAC LUBE PUMP
220-226 BLK connects from F3/LOAD to ALLIN1DC H6/OUT 2 COM
Wire 220-227 BLK connects to ALLIN1DC H6/OUT 2.
Wire 220-228 WHT connects to F4/LOAD
Wire GND-4 GRN connects to TB1/8B.
Wires are 14 AWG

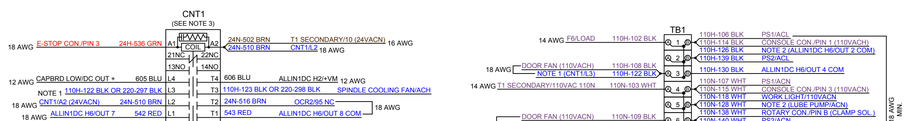


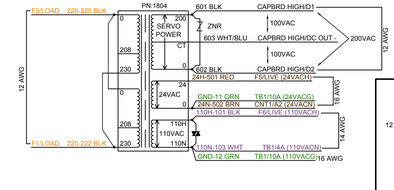
NOTE 3

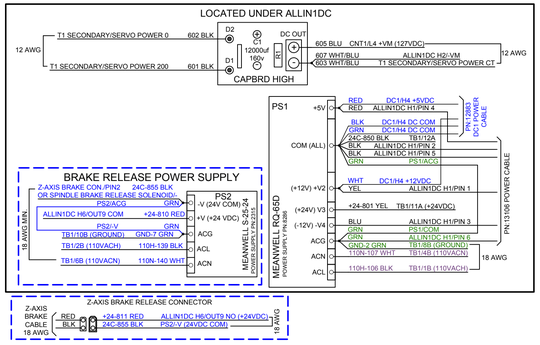
ALL CONTACTOR COILS REQUIRE A SNUBBER, EITHER CONTACTOR MANUFACTURERS RECOMMENDED SNAP ON SNUBBER OR CENTROID PN:1819 EXTERNAL QUENCHARC SNUBBER.

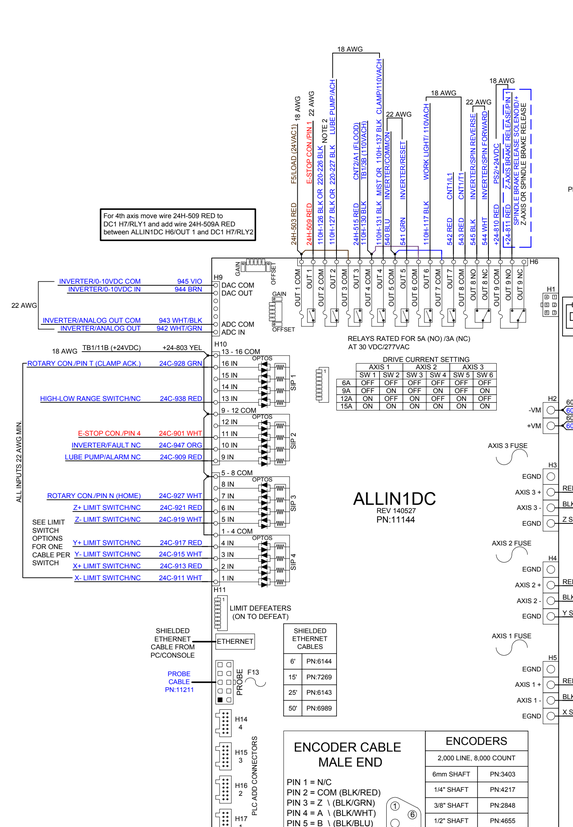


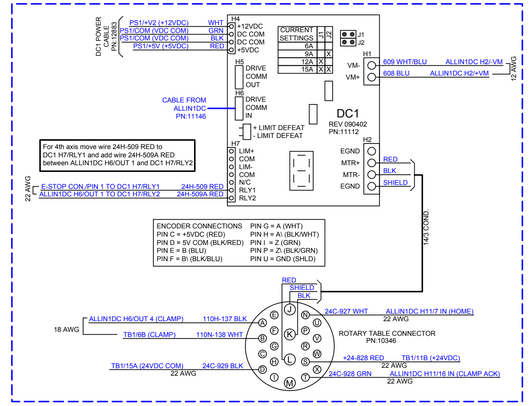


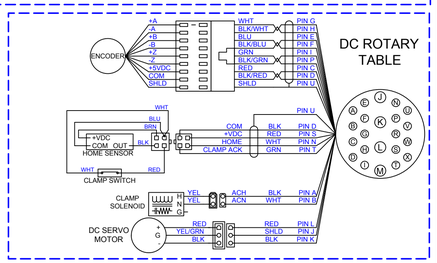


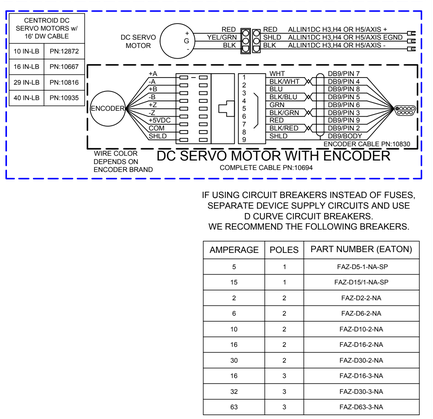








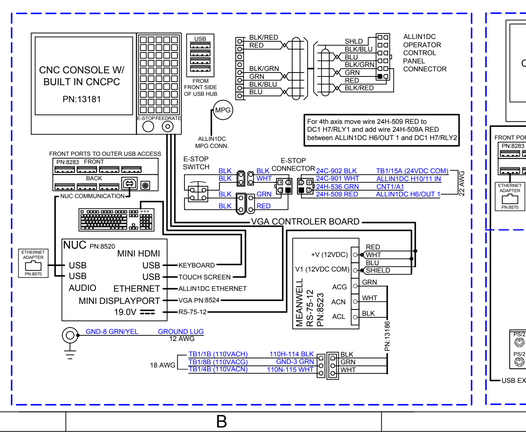


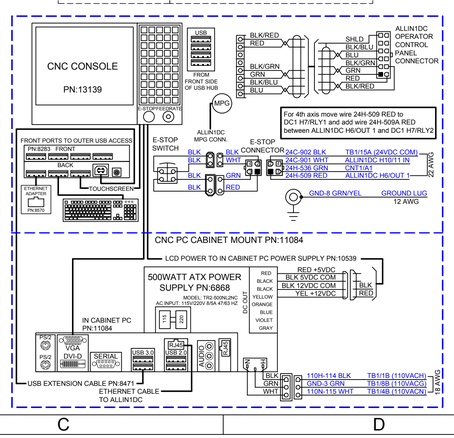


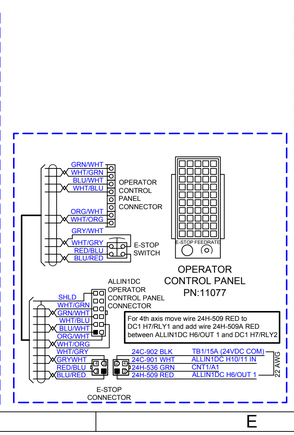
IF USING CIRCUIT BREAKERS INSTEAD OF FUSES, SEPARATE DEVICE SUPPLY CIRCUITS AND USE D CURVE CIRCUIT BREAKERS.
WE RECOMMEND THE FOLLOWING BREAKERS.

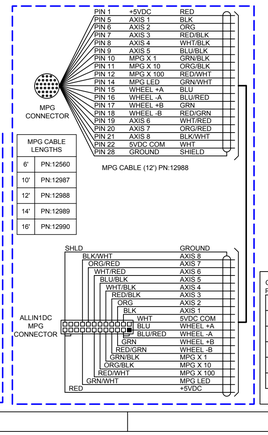
AMPERAGE	POLES	PART NUMBER (EATON)
5	1	FAZ-D5-1-NA-SP
15	1	FAZ-D15/1-NA-SP
2	2	FAZ-D2-2-NA
6	2	FAZ-D6-2-NA
10	2	FAZ-D10-2-NA
16	2	FAZ-D16-2-NA
30	2	FAZ-D30-2-NA
16	3	FAZ-D16-3-NA
32	3	FAZ-D30-3-NA
63	3	FAZ-D63-3-NA

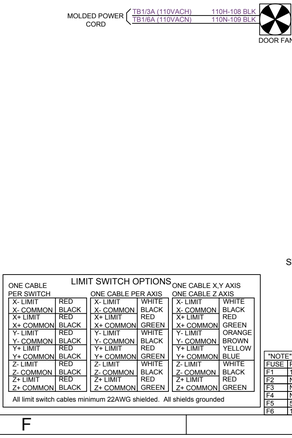
PART (MFG PN:)	LOCATION
ALLIN1DC (PN:11144)	E2-F4
CAPBRD HIGH (PN:10766)	D3,D4
CNT1 (PN:14374)	B2
CNT2 (PN:14377)	B3
DC1 (PN:11112)	G1-H2
CONSOLE OPTIONS	C5-D6
DISCONNECT (OT40F3)	B1
DOOR FAN	G5
E-STOP CONNECTOR	D5
E-STOP CON. CONSOLE	D6
E-STOP CON. PENDANT	E6
E-STOP SWITCH	D5
E-STOP SWITCH CONSOLE	D6
E-STOP SWITCH PENDANT	E6
F1,F2,F3,F4	B1
F5,F6	D3
FLOOD PUMP MOTOR	A3
FUSE TABLE	G6
GROUND LUG	B1
HIGH-LOW RANGE SWITCH	A2
INVERTER	A1
LIMIT SWITCHES	A4
LIMIT SWITCH OPTIONS	F4-G6
LUBE PUMP	A3
MIST	A3
MPG CABLE	E5-F6
NOTE 1	A2
NOTE 2	A3
NOTE 3	A4
NUC (PN:8520)	B6
OCR2 (LR2K0310)	B3
OPERATOR CONTROL PANEL	E6
PC (PN:11084)	C6
PROBE CABLE (PN:11211)	C1
PS1 (RD-650)	D4
PS2 (S-25-24)	C4
SPINDLE BRAKE RELEASE	A2
SPINDLE COOLING FAN	A2
SPINDLE MOTOR	A1
T1 (PN:1804)	B3
TB1	D2, D3
WORK LIGHT	A2
Z-AXIS BRAKE RELEASE	C4-D4











E-STOP CONNECTIONS ARE SHOWN IN RED
OPTIONAL CONNECTIONS ARE SHOWN IN BLUE
GROUND CONNECTIONS ARE SHOWN IN GREEN
110VAC CONNECTIONS ARE SHOWN IN VIOLET
3 PHASE CONNECTIONS ARE SHOWN IN ORANGE
24VAC CONNECTIONS ARE SHOWN IN BROWN

REV	DATE	DESCRIPTION	BY
1	4-15-2016	INITIAL RELEASE	SPM
2	4-18-2016	DRAFTING CORRECTIONS PER REVIEW	SPM
3	5-26-2016	CHANGES TO STANDARD	SPM
4	6-20-2106	CHANGES TO STANDARD AND PART NUMBERS	SPM
5	9-13-2016	Corrected wire numbers and component depiction. Updated probe cable.	CEM

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Title: Mill, 220VAC, ALLIN1DC, Inverter (VFD)

Size D | Number | Rev 5
Date 160414 | Drawn by SPM
Filename S14749.DWG | Sheet 1 of 1