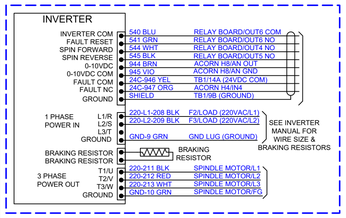
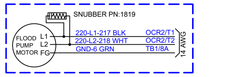


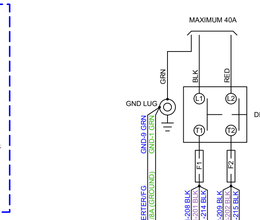


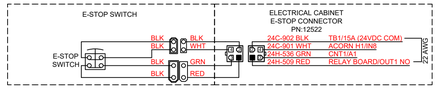
NOTE 1

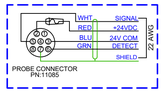
WIRES AND CIRCUIT BREAKERS MUST BE RATED FOR THE CURRENT RATING OF THE DEVICES USED. REFER TO OWNERS MANUAL FOR SPECIFIED WIRE GAUGE AND CURRENT CAPACITY.

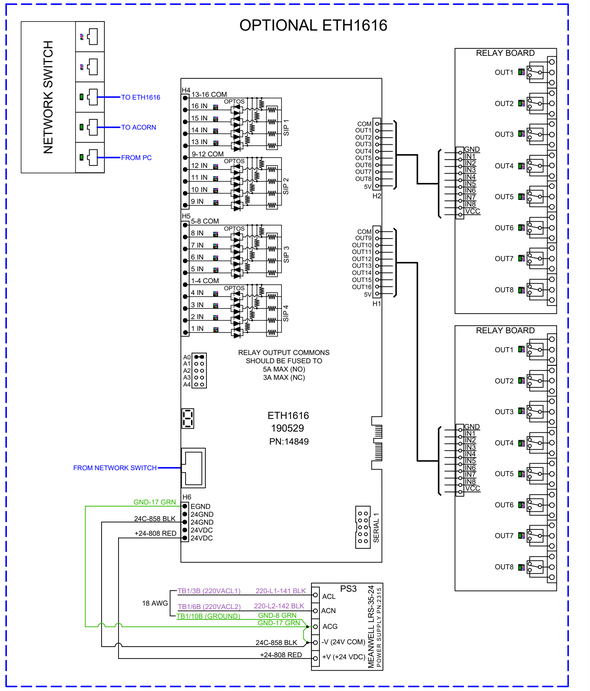
NOTE 2

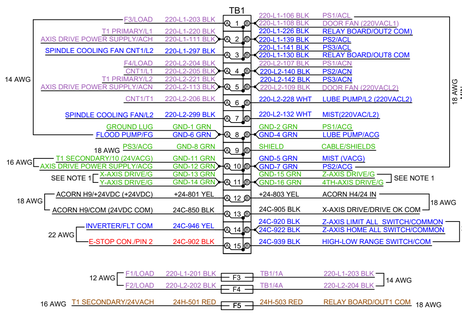
ALL CONTACTOR COILS REQUIRE A SNUBBER, EITHER CONTACTOR MANUFACTURERS RECOMMENDED SNAP ON SNUBBER OR CENTROID PN:1819 EXTERNAL QUENCHARC SNUBBER.

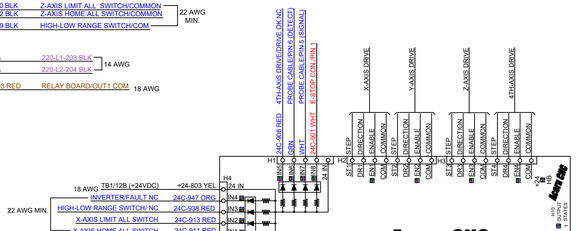


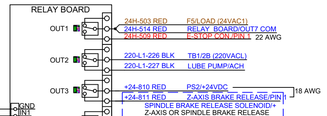


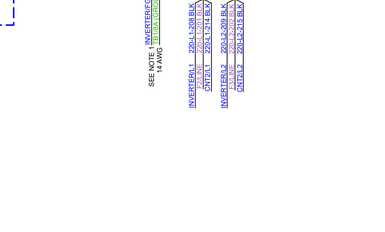


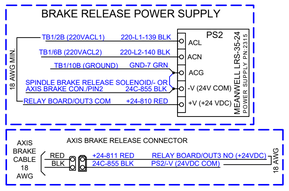


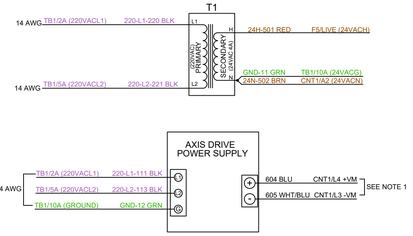


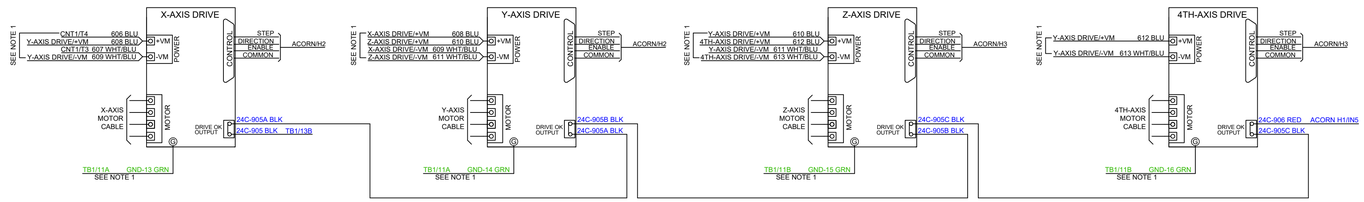




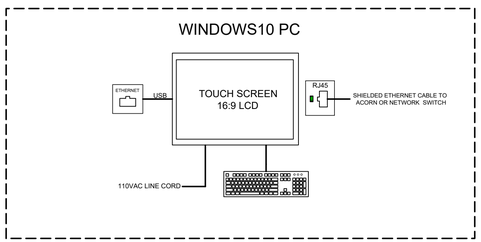


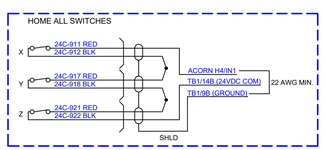


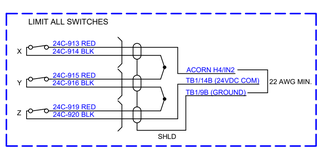




PART (MFG PN:)	LOCATION
ACORN (PN:14445)	D2-F3
AXIS DRIVES	D4-H5
CNT1 (PN:14374)	B3
CNT1 AUX CONT. (PN:3923)	B3
CNT2 (PN:14377)	B3
DISCONNECT	B1
DOOR FAN	H4
E-STOP CONNECTOR	E1
E-STOP SWITCH	D1
ETH1616	G1-H3
F1,F2	B1
F3,F4,F5	D2
FLOOD PUMP MOTOR	A2
FUSE TABLE	G6
GROUND LUG	B1
HOME SWITCHES	C6
HIGH-LOW RANGE SWITCH	A2
INVERTER	A1
LIMIT SWITCHES	E6
LUBE PUMP	A3
MIST	A3
NETWORK SWITCH	G1
NOTE 1	A3
NOTE 2	A3
OCR2 (LR2K0310)	B3
PC	B6
PROBE CABLE (PN:11085)	F1
PS1 (RD-65D)	F4
PS2 (LRS-35-24)	D4
PS3 (LRS-35-24)	H3
RELAY BOARD	F3-F4
SPINDLE BRAKE RELEASE	A2
SPINDLE COOLING FAN	A2
SPINDLE MOTOR	A1
T1	B4
TB1	D1,D2
Z-AXIS BRAKE RELEASE	C4,D4







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

SUGGESTED WIRE CURRENT CAPACITY STRANDED MTW OR EQUIVALENT

18 AWG - UP TO 6A
16 AWG - UP TO 8A
14 AWG - UP TO 15A
12 AWG - UP TO 20A
10 AWG - UP TO 30A
8 AWG - UP TO 40A
6 AWG - UP TO 60A

NOTE FUSE RATING DEPENDS ON SPINDLE HP

FUSE	RATING	LOCATION	CIRCUIT
F1	NOTE	B1	INCOMING 220VACL1
F2	NOTE	B1	INCOMING 220VACL2
F3	15ATD	D2	220VACL1 TO TB1
F4	15ATD	D2	220VACL2 TO TB1
F5	5ATD	D2	24VAC

E-STOP CONNECTIONS ARE SHOWN IN RED
OPTIONAL CONNECTIONS ARE SHOWN IN BLUE
GROUND CONNECTIONS ARE SHOWN IN GREEN
220VAC CONNECTIONS ARE SHOWN IN VIOLET
24VAC CONNECTIONS ARE SHOWN IN BROWN

REV	DATE	DESCRIPTION	BY
1	04-08-2020	INITIAL RELEASE	CEM

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Title: Mill, 220VAC Single Phase, ACORN, Generic Drives, Inverter (VFD)

Size D | Number | Rev 2

Date: 210420 | Drawn by CEM

Filename: S15031.DWG | Sheet 1 of 1