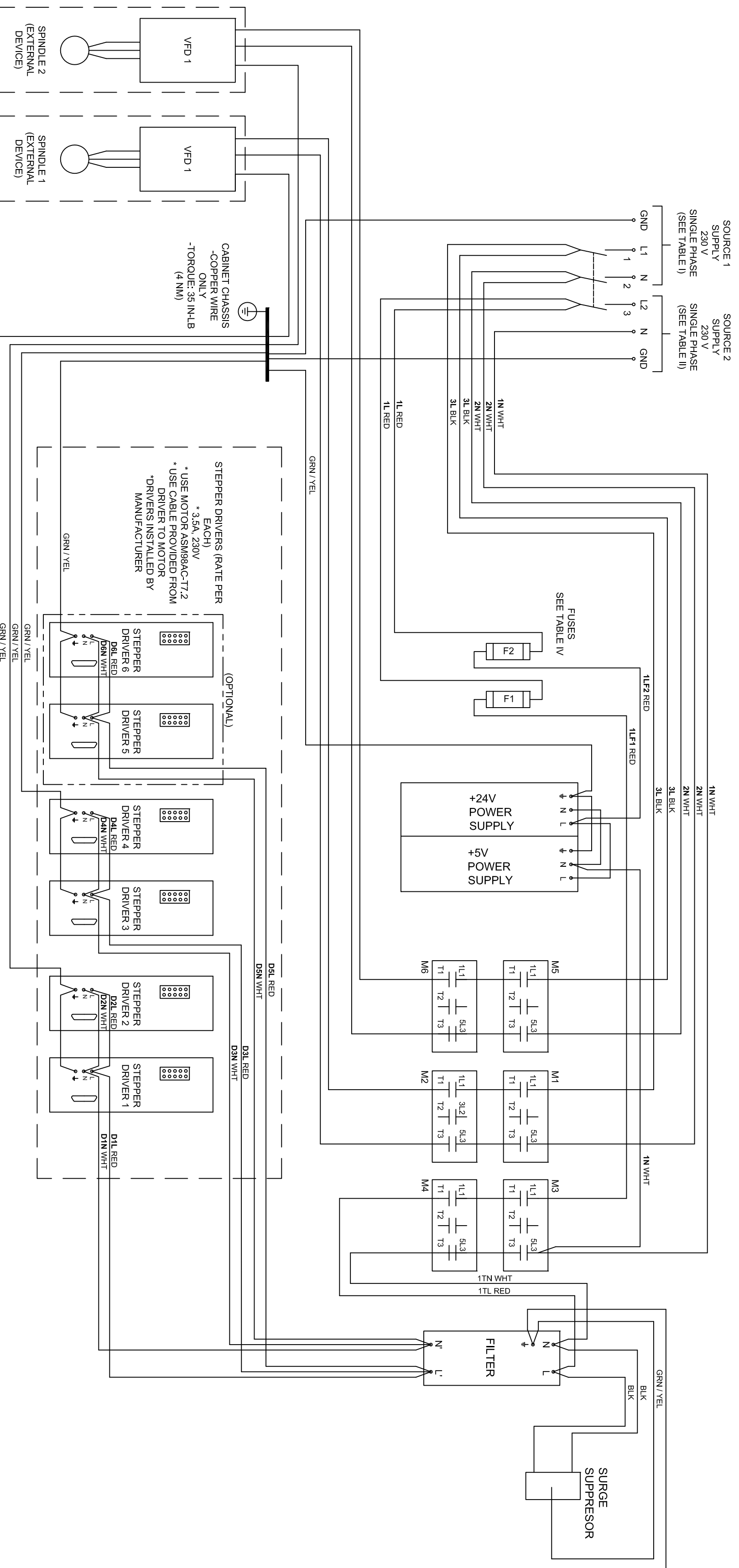


CAUTION: RISK OF ELECTRIC SHOCK



ALL WIRING, CONDUCTOR SIZE AND CONDUCTOR TYPE DEVIATIONS MUST BE APPROVED BY SHOPBOT TOOLS
*CONTACT SHOPBOT TOOLS FOR OPTIONAL WIRING INFORMATION

TABLE I
INPUT SOURCE 1- 230V 1 PHASE 50/60HZ

SPINDLES (FILL IN CIRCLE NEXT TO THE SPINDLES SHIPPED)	TOTAL FULL MOTOR LOAD	LARGEST MOTOR LOAD (INVERSE TIME CIRCUIT BREAKER PROVIDED BY ELECTRICIAN)	FIELD WIRING TERMINALS	WIRE SIZE AWG (mm ²)*	SO CORD AWG (mm ²)*	WIRE TYPE *	SCREW TORQUE
0 (2) 2.2 HP HSD	37.8 A	18.9 A	8 (8)	6 (14)	6 (14)	75°C USE COPPER CONDUCTORS ONLY	1.8 IN-LBS (2.3 NM)
0 (2) 3 HP COLUMBO	37.8 A	18.9 A	8 (8)	6 (14)	6 (14)	75°C USE COPPER CONDUCTORS ONLY	1.8 IN-LBS (2.3 NM)
0 (2) 4 HP HSD	52 A	26 A	6 (14)	6 (14)	6 (14)	75°C USE COPPER CONDUCTORS ONLY	1.8 IN-LBS (2.3 NM)
0 (2) 5 HP COLUMBO	70.8 A	35.4 A	4 (22)	2 (38)	6 (14)	75°C USE COPPER CONDUCTORS ONLY	1.8 IN-LBS (2.3 NM)
0 (1) 3 HP COLUMBO & (1) 2.2 HP HSD	37.8 A	18.9 A	8 (8)	6 (14)	6 (14)	75°C USE COPPER CONDUCTORS ONLY	1.8 IN-LBS (2.3 NM)
0 (1) 4 HP HSD & (1) 2.2 HP HSD	44.9 A	22.4 A	6 (14)	6 (14)	6 (14)	75°C USE COPPER CONDUCTORS ONLY	1.8 IN-LBS (2.3 NM)
0 (1) 5 HP HSD & (1) 2.2 HP HSD	54.3 A	27.1 A	6 (14)	6 (14)	6 (14)	75°C USE COPPER CONDUCTORS ONLY	1.8 IN-LBS (2.3 NM)
0 (1) 4 HP COLUMBO & (1) 3 HP COLUMBO	44.9 A	22.4 A	6 (14)	6 (14)	6 (14)	75°C USE COPPER CONDUCTORS ONLY	1.8 IN-LBS (2.3 NM)
0 (1) 4 HP COLUMBO & (1) 3 HP COLUMBO	54.3 A	27.1 A	6 (14)	6 (14)	6 (14)	75°C USE COPPER CONDUCTORS ONLY	1.8 IN-LBS (2.3 NM)
0 (1) 5 HP COLUMBO & (1) 4 HP HSD	61.4 A	30.7 A	4 (22)	2 (38)	6 (14)	75°C USE COPPER CONDUCTORS ONLY	1.8 IN-LBS (2.3 NM)

TABLE II
INPUT SOURCE 2- 230V 1 PHASE 50/60HZ

TOTAL FULL MOTOR LOAD	LARGEST MOTOR LOAD (INVERSE TIME CIRCUIT BREAKER PROVIDED BY ELECTRICIAN)	FIELD WIRING TERMINAL	WIRE SIZE AWG (mm ²)*	SO CORD AWG (mm ²)*	WIRE TYPE *	SCREW TORQUE
8 A	3.5 A	DISCONNECT 3- N- NEUTRAL	14 (2)	14 (2)	75°C USE COPPER CONDUCTORS ONLY	16 IN-LBS (1.8 NM)

TABLE III
OUTPUT LOAD- 230V 1 PHASE 50/60HZ

SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED)	VFD	LOAD	FIELD WIRING TERMINALS	WIRE SIZE AWG (mm ²)*	SO CORD AWG (mm ²)*	WIRE TYPE *	SCREW TORQUE
0 (2) 2.2 HP HSD	CMR-VJ2A0020GAA	18.9 A	10 (5)	12 (3.5)	12 (3.5)	75°C USE COPPER CONDUCTORS ONLY	20 IN-LBS (2.3 NM)
0 (3) HP COLUMBO	CMR-VJ2A0020GAA	18.9 A	10 (5)	12 (3.5)	12 (3.5)	75°C USE COPPER CONDUCTORS ONLY	20 IN-LBS (2.3 NM)
0 (4) HP HSD	CMR-VJ2A0030GAA	26 A	8 (8)	8 (8)	8 (8)	75°C USE COPPER CONDUCTORS ONLY	20 IN-LBS (2.3 NM)
0 (5) HP COLUMBO	CMR-VJ2A0040GAA	35.4 A	8 (8)	6 (14)	6 (14)	75°C USE COPPER CONDUCTORS ONLY	20 IN-LBS (2.3 NM)
SPINDLE 2 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED)							
0 (2.2 HP HSD	CMR-VJ2A0020GAA	18.9 A	10 (5)	12 (3.5)	12 (3.5)	75°C USE COPPER CONDUCTORS ONLY	20 IN-LBS (2.3 NM)
0 (3 HP COLUMBO	CMR-VJ2A0020GAA	18.9 A	10 (5)	12 (3.5)	12 (3.5)	75°C USE COPPER CONDUCTORS ONLY	20 IN-LBS (2.3 NM)
0 (4 HP HSD	CMR-VJ2A0030GAA	26 A	8 (8)	8 (8)	8 (8)	75°C USE COPPER CONDUCTORS ONLY	20 IN-LBS (2.3 NM)
0 (5 HP COLUMBO	CMR-VJ2A0040GAA	35.4 A	8 (8)	6 (14)	6 (14)	75°C USE COPPER CONDUCTORS ONLY	20 IN-LBS (2.3 NM)

TABLE IV
RATING

FUSE NO.	RATING
F1	10A CLASS CC-600V (LITTLE FUSE CCMR10A)
F2	3A CLASS CC-600V (LITTLE FUSE CCMR3A)

ShopBot
Durham, North Carolina

POWER DIAGRAM 10230-01

11/16/12 BSJ
1/15/13 GAB

003199-00

003199-00

0

EC06308 1DEC12 KWP ADDED SO CORD, CHANGED CIRCUIT PROTECTION RATINGS

REVISION DESCRIPTION

APVD

003199-00 SHEET 1 OF 1