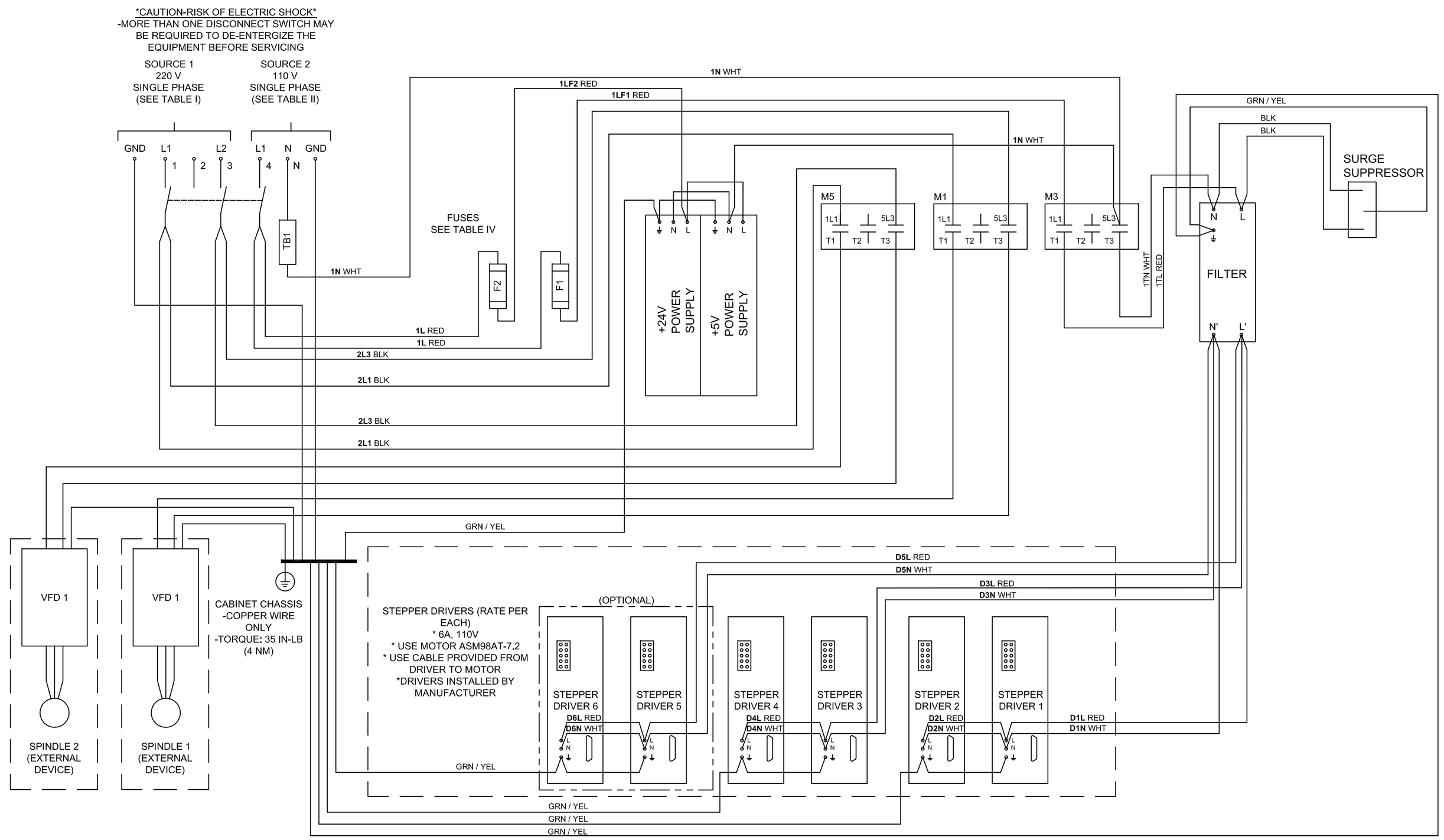

ALL WIRING, CONDUCTOR SIZE AND CONDUCTOR TYPE DEVIATIONS MUST BE APPROVED BY SHOPBOT TOOLS
*CONTACT SHOPBOT TOOLS FOR OPTIONAL WIRING INFORMATION

TABLE I
INPUT SOURCE 1- 220V 1 PHASE 60HZ

SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED)	TOTAL FULL LOAD	LARGEST MOTOR LOAD	RECOMMENDED BRANCH PROTECTION (INVERSE TIME CIRCUIT BREAKER)(PROVIDED BY ELECTRICIAN)	FIELD WIRING TERMINALS	WIRE SIZE (AWG) *	SO CORD *	WIRE TYPE *	SCREW TORQUE
o 2X 2.2 HP HSD	37.8 A	18.9 A	40 A	DISCONNECT 1, 3	8	6	75°C USE COPPER CONDUCTORS ONLY	31 IN-LBS (3.5 NM)
o 2X 3 HP COLUMBO	37.8 A	18.9 A						
o 3 HP COLUMBO & 2.2 HP HSD	37.8 A	18.9 A						

TABLE II
INPUT SOURCE 2- 110V 1 PHASE 60HZ

TOTAL FULL LOAD	LARGEST MOTOR LOAD	RECOMMENDED FEEDER PROTECTION (INVERSE TIME CIRCUIT BREAKER) (PROVIDED BY ELECTRICIAN)	FIELD WIRING TERMINAL	WIRE SIZE (AWG) *	SO CORD *	WIRE TYPE *	SCREW TORQUE
14 A	6 A	15 A	DISCONNECT 4 - LINE	12	12	75°C USE COPPER CONDUCTORS ONLY	31 IN-LBS (3.5 NM)
			TERMINAL BLOCK N- NEUTRAL	12	12		16 IN-LBS (1.8 NM)

TABLE III
OUTPUT LOAD- 220V 1 PHASE 60HZ

SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED)	VFD	LOAD	FIELD WIRING TERMINALS	WIRE SIZE (AWG) *	SO CORD *	WIRE TYPE *	SCREW TORQUE
o 2.2 HP HSD	CIMR-VU2A0020GAA	18.9 A	CONTACTOR M1- T1, T3	10	12	75°C USE COPPER CONDUCTORS ONLY	14 IN-LBS (1.6 NM)
o 3 HP COLUMBO	CIMR-VU2A0020GAA	18.9 A		10	12		
SPINDLE 2 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED)							
o 2.2 HP HSD	CIMR-VU2A0020GAA	18.9 A	CONTACTOR M5- T1, T3	10	12		
o 3 HP COLUMBO	CIMR-VU2A0020GAA	18.9 A		10	12		

TABLE IV

FUSE NO.	RATING
F1	20A CLASS CC-600V (LITTLE FUSE CCMR20A)
F2	3A CLASS CC-600V (LITTLE FUSE CCMR3A)

CAUTION-RISK OF ELECTRIC SHOCK
-MORE THAN ONE DISCONNECT SWITCH MAY BE REQUIRED TO DE-ENTERGIZE THE EQUIPMENT BEFORE SERVICING

REV	CHG NOTICE	DATE	BY	REVISION DESCRIPTION	APVD
4	ECO#313	07MAR13	KWP	MODIFIED REQUIRED WIRE TYPE	-

DIM UNITS: MM | SCALE: NONE

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ShopBot
Durham, North Carolina

TITLE: POWER DIAGRAM 10225-01

DRAWN	DATE	CHECKED	DATE	APPROVED	DATE
DGC	02/12/09	-	-	-	-

SIZE: C | DRAWING NUMBER: 002519-00 | REV: 4
PART NUMBER: 002519-00 | SHEET 1 OF 1