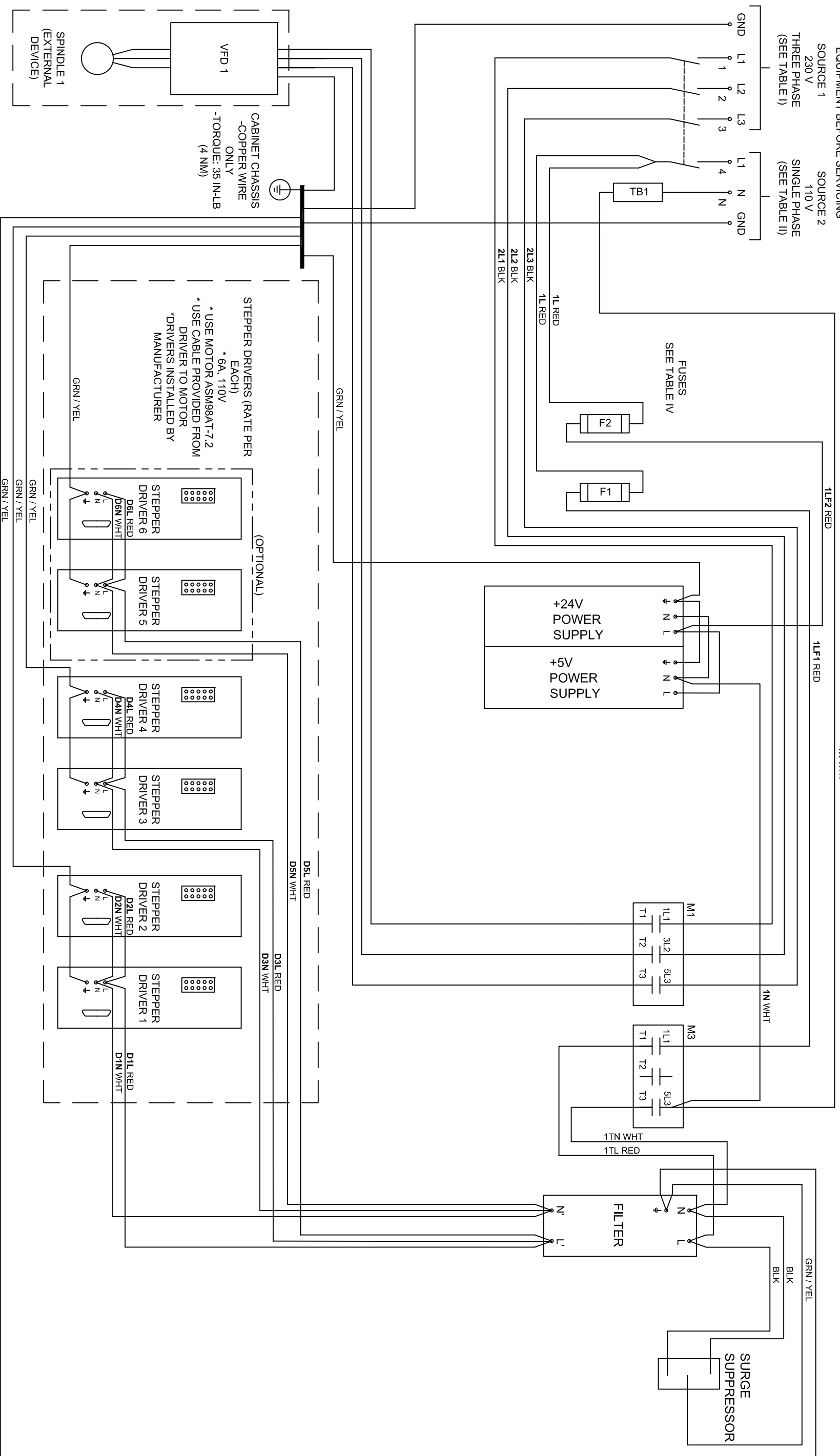


CAUTION: RISK OF ELECTRIC SHOCK
 *MORE THAN ONE DISCONNECT SWITCH MAY
 BE REQUIRED TO DE-ENERGIZE THE
 EQUIPMENT BEFORE SERVICING



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

TABLE I

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
0 2.2 HP HSD	11A	11A	15A	DISCONNECT 1,2,3	12	12	75°C USE COPPER CONDUCTORS ONLY	31 IN-LBS (3.5 NM)
0 3 HP COLUMBO	11A	11A	15A		12	12	75°C USE COPPER CONDUCTORS ONLY	31 IN-LBS (3.5 NM)
0 4 HP HSD	18.9A	18.9A	25A		10	10	75°C USE COPPER CONDUCTORS ONLY	16 IN-LBS (1.8 NM)
0 5 HP COLUMBO	18.9A	18.9A	25A		10	10	75°C USE COPPER CONDUCTORS ONLY	16 IN-LBS (1.8 NM)
0 5 HP HSD W/ATC	18.9A	18.9A	25A		10	10	75°C USE COPPER CONDUCTORS ONLY	16 IN-LBS (1.8 NM)

TABLE III

SPINDLE 1 (FILL IN CIRCLE NEXT TO THE SPINDLE SHIPPED)	VFD	LOAD	FIELD WIRING TERMINALS	WIRE SIZE (AWG) *	SO CORD *	WIRE TYPE *	SCREW TORQUE
0 2.2 HP HSD	CIMR-VU2A0012GAA	11A		12	12	75°C USE COPPER CONDUCTORS ONLY	14 IN-LBS (1.6 NM)
0 3 HP COLUMBO	CIMR-VU2A0012GAA	11A		12	12	75°C USE COPPER CONDUCTORS ONLY	14 IN-LBS (1.6 NM)
0 4 HP HSD	CIMR-VU2A0020GAA	18.9A	M1- T1, T2, T3	10	10	75°C USE COPPER CONDUCTORS ONLY	14 IN-LBS (1.6 NM)
0 5 HP COLUMBO	CIMR-VU2A0020GAA	18.9A		10	10	75°C USE COPPER CONDUCTORS ONLY	14 IN-LBS (1.6 NM)
0 5 HP HSD W/ATC	CIMR-VU2A0020GAA	18.9A		10	10	75°C USE COPPER CONDUCTORS ONLY	14 IN-LBS (1.6 NM)

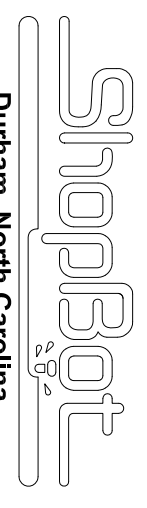
TABLE II

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 - TERMINAL BLOCK N- NEUTRAL	12	12	75°C USE COPPER CONDUCTORS ONLY	31 IN-LBS (3.5 NM)

TABLE IV

FUSE NO.	RATING
F1	20A CLASS CC-800V (LITTLE FUSE CCMR20A)
F2	3A CLASS CC-800V (LITTLE FUSE CCMR3A)

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Durham, North Carolina

POWER DIAGRAM 10219-01

REV	CHG NOTICE	DATE	BY	REVISION DESCRIPTION
7	EC08313	18FEB13	KWP	MODIFIED REQUIRED WIRE TYPE
4				
3				
2				
1				

DIM UNITS: MM	SCALE: NONE			
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DRAWN	DATE	CHECKED	DATE	APPROVED
DGC	04/27/07	AAP	05/02/07	GAB
SIZE	DRAWING NUMBER	002002-00		DATE
C	PART NUMBER	002002-00	SHEET 1 OF 1	REV
				7