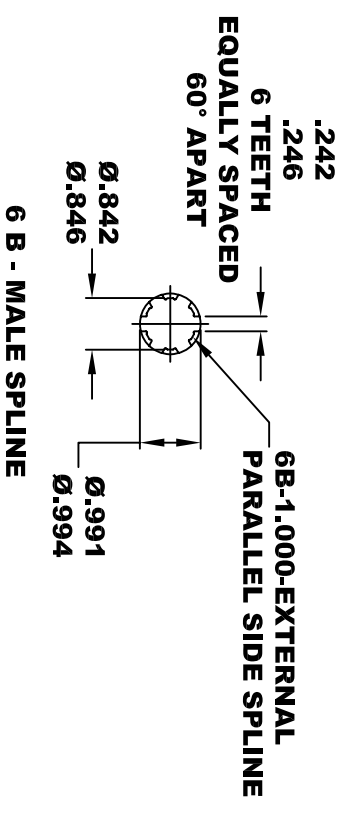
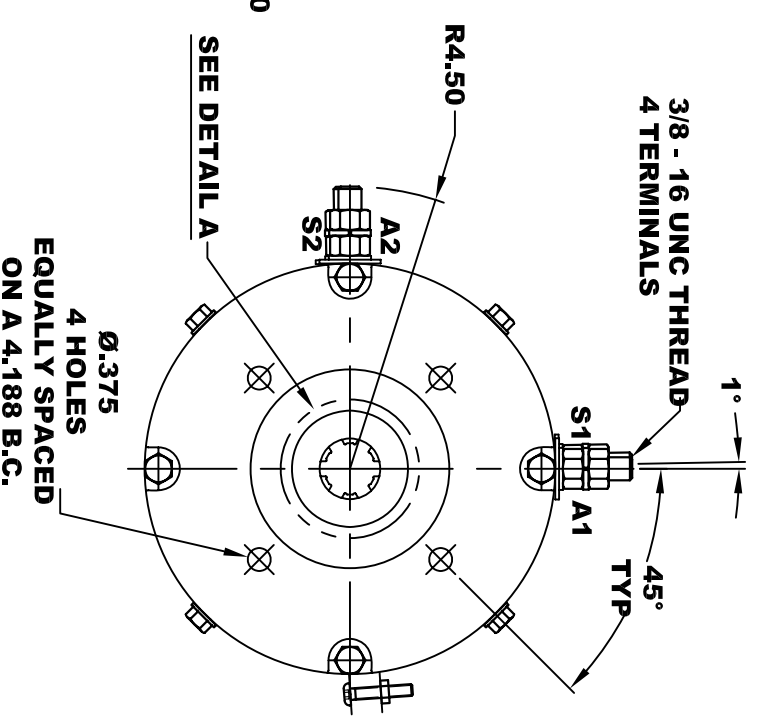
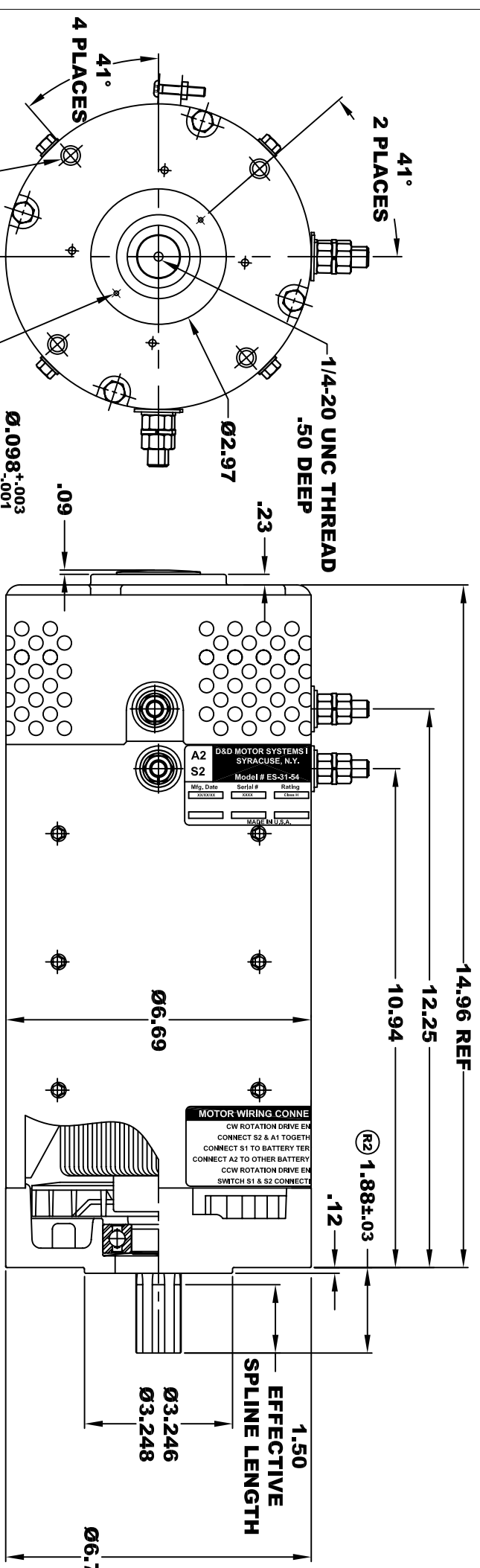


A2	D&D MOTOR SYSTEMS INC.			A1
S2	SYRACUSE N.Y.			S1
Model # ES-31-54				
Mfg. Date	Serial #	Rating	Voltage	
XXXXXX	XXXX	Class H	48	
MADE IN U.S.A.				

**TORQUE SPECIFICATION FOR
POWER CABLE SECURING TOP NUTS
3/8-16 UNC - 140 IN / LBS MAX**

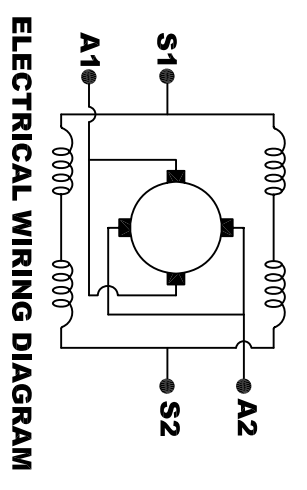


**MOTOR WEIGHT: 83 LBS
CLASS "H" INSULATION
PERFORMANCE SPEC: 54**

D & D MOTOR SYSTEMS INC

MOTOR OUTLINE

SIZE	DRAWN DATE	RELEASE DATE	DWG NO. / PART NO.	REV
B	7-19-04		ES-31-54 (R1)	R2
SCALE	STF	DRAWN BY	MJG	REV DATE
				9-10-04



MOTOR WIRING CONNECTIONS:
CW ROTATION DRIVE END
CONNECT S2 & A1 TOGETHER
CONNECT S1 TO BATTERY TERMINAL
CCW ROTATION DRIVE END
CONNECT A2 TO OTHER BATTERY TERMINAL
SWITCH S1 & S2 CONNECTIONS

**Ø 3/8 - 16 UNC THREAD
TAPPED THRU
.03 - .05 x 45° CHAMFER
4 PLACES, ON A Ø5.875 B. C.**

**2 HOLES
EQUALLY SPACED
ON A 2.45 B.C.**

THIS PRINT IS THE PROPERTY OF D&D MOTOR SYSTEMS INC.
DO NOT SCALE
WORK TO DIMENSIONS
TOLERANCES UNLESS OTHERWISE SPECIFIED ARE AS FOLLOWS
 .XX _____ .01
 .XXX _____ .005
 .XX ROUGH CASTING _____ .03
 HOLES _____ -.001 / +.006
 ANGLES _____ 0°30"