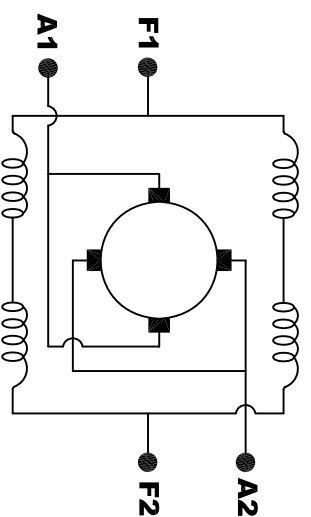
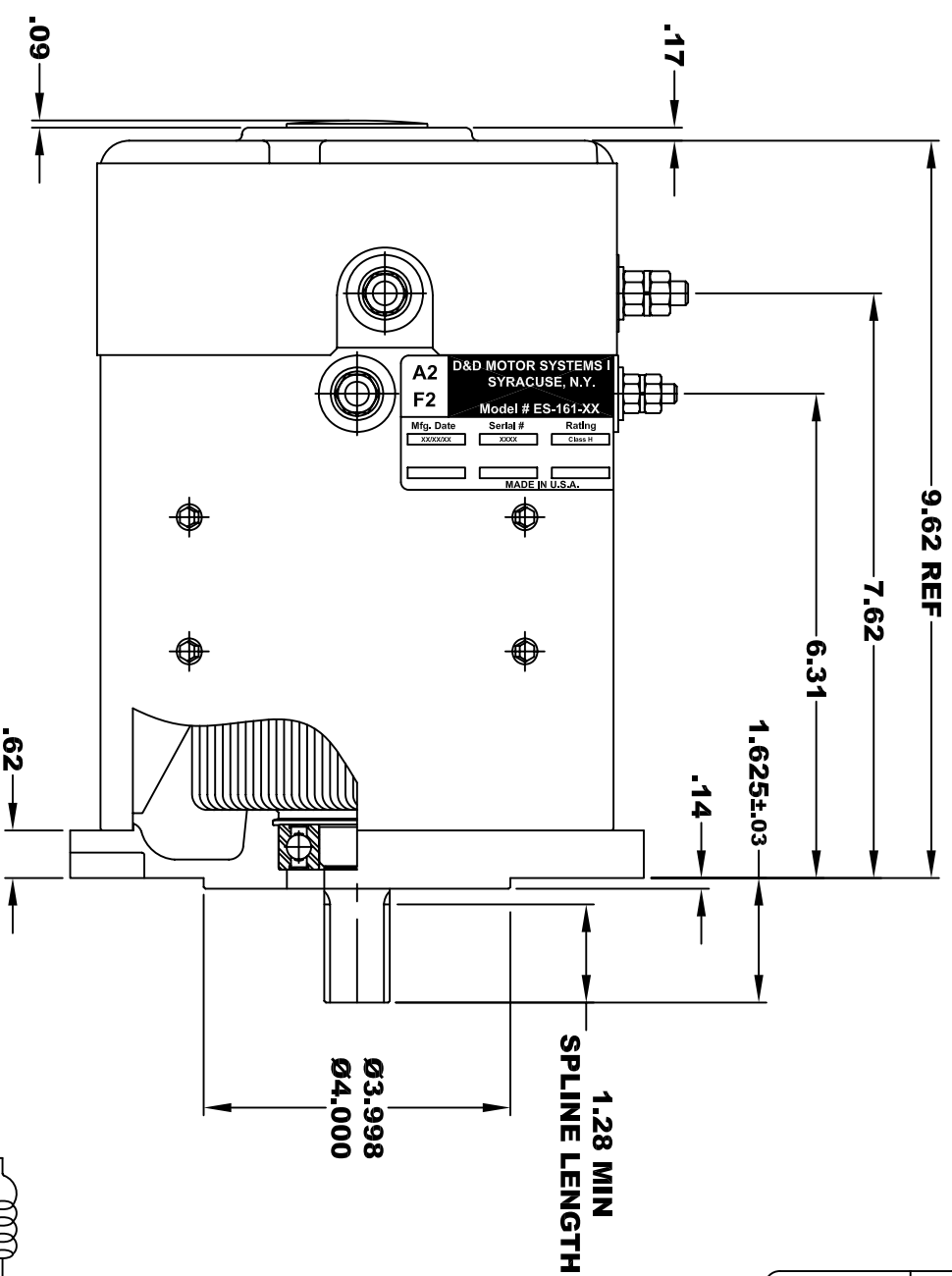
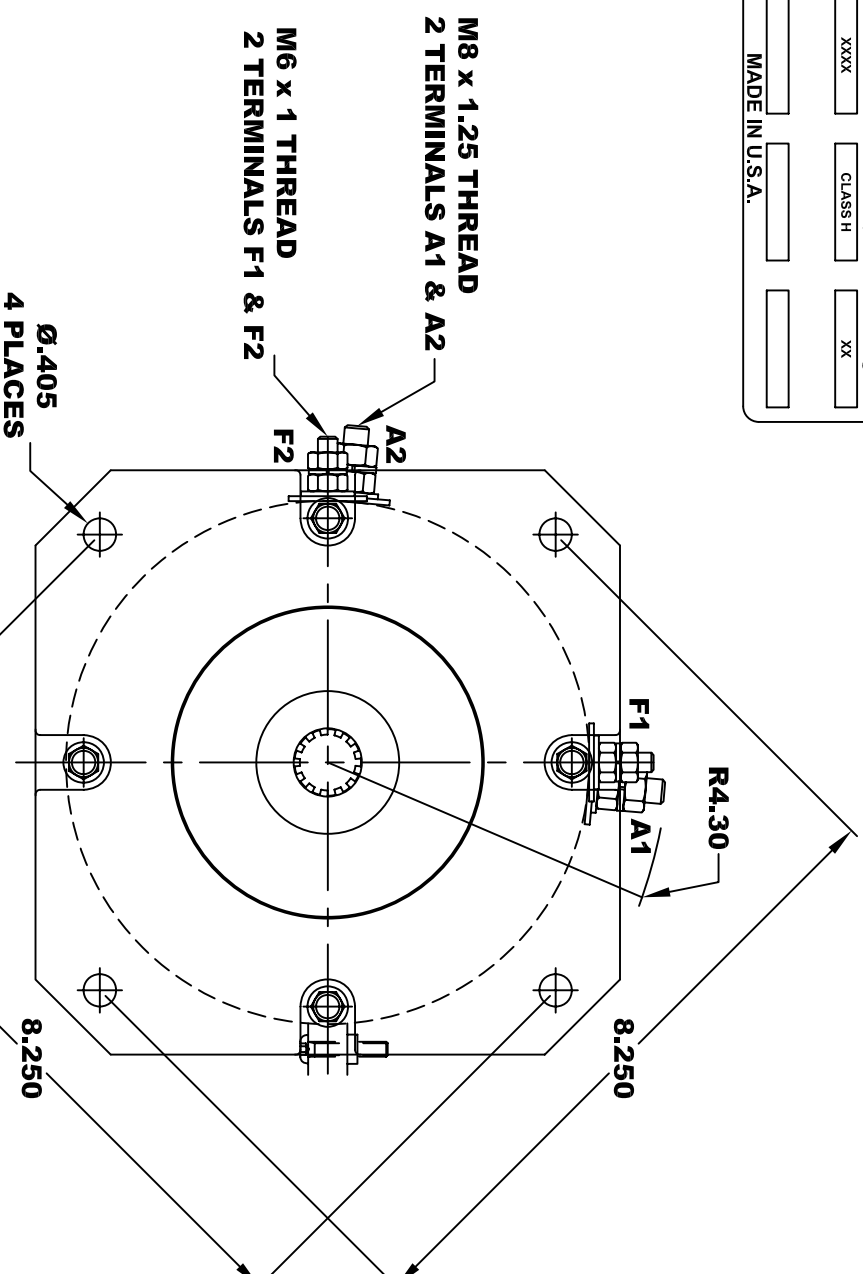


<b>A2</b>	<b>D&amp;D MOTOR SYSTEMS INC.</b>			<b>A1</b>
<b>F2</b>	<b>SYRACUSE N.Y.</b>			<b>F1</b>
<b>Model # ES-161-XX</b>				
Mfg. Date	Serial #	Rating	Voltage	
XXXXXX	XXXX	CLASS H	XX	
MADE IN U.S.A.				

**TORQUE SPECIFICATION FOR  
POWER CABLE SECURING TOP NUTS**  
M8 x 1.25 (A1 / A2) - 110 IN / LBS MAX  
M6 x 1 (F1 / F2) - 50 IN / LBS MAX



**ELECTRICAL WIRING DIAGRAM**



**MOTOR WIRING CONNECTIONS:**  
**CW ROTATION DRIVE END**  
CONNECT A1 & F1 TO ONE BATTERY TERMINAL  
CONNECT A2 & F2 TO OTHER BATTERY TERMINAL  
**CCW ROTATION DRIVE END**  
SWITCH F1 & F2 CONNECTIONS

EXTERNAL INVOLUTE SPLINE DATA	
STANDARD	ANSI B92.1 - 1996
ROOT TYPE	FLAT
FIT TYPE	SIDE
NUMBER OF TEETH	13
SPLINE PITCH	16 / 32
PRESSURE ANGLE	30°
MAJOR DIAMETER	.873±.001
CIRCULAR TOOTH THICKNESS	
TOLERANCE CLASS FIT	5
MAX EFFECTIVE	0.0982
MIN ACTUAL	0.0956

**MOTOR WEIGHT: XX LBS**  
**CLASS "H" INSULATION**  
**PERFORMANCE SPEC: XX**

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"

**D & D MOTOR SYSTEMS INC**

**MOTOR OUTLINE**

SIZE	DRAWN DATE	RELEASE DATE	DWG NO. / PART NO.	REV
B	6-27-13		ES-161-XX	
SCALE	STF	DRAWN BY	MJG	REV DATE