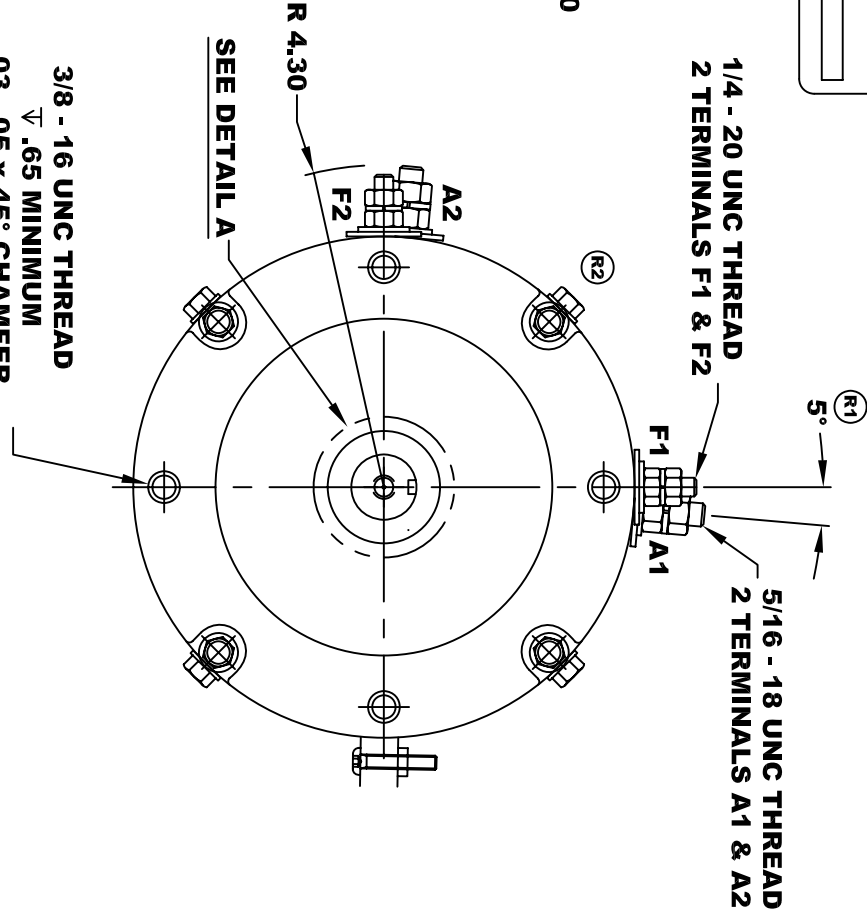


5/16 x 18 UNC THREAD
 ∇ .75

DETAIL A

D&D MOTOR SYSTEMS INC.			
SYRACUSE N.Y.			
Model # ES-32C-7			
Mfg. Date	Serial #	Rating	Voltage
XXXXXX	XXXX	CLASS #1	XX
MADE IN U.S.A.			

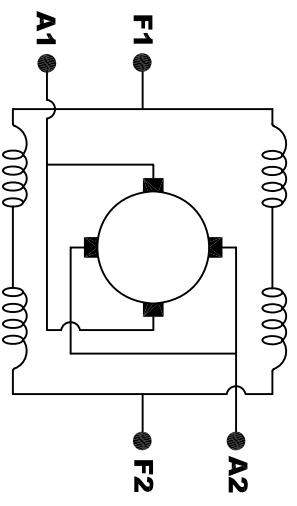
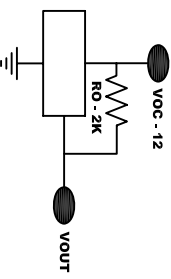
**TORQUE SPECIFICATION FOR
 POWER CABLE SECURING TOP NUTS**
 5/16-18 UNC (A1 / A2) - 110 IN / LBS MAX
 1/4-20 UNC (F1 / F2) - 50 IN / LBS MAX



3/8 - 16 UNC THREAD
 ∇ .65 MINIMUM
 .03 -.05 x 45° CHAMFER
 4 PLACES, ON A Ø5.875 B. C.

MOTOR WEIGHT: 62 LBS
CLASS "H" INSULATION
PERFORMANCE SPEC: 7

ELECTRICAL SPECIFICATION:
 -4.5V TO 24V OPERATING VOLTAGE
 -20°C TO 85°C OPERATING TEMPERATURE
 -CURRENT SINKING UP TO 25mA
 -AN EXTERNAL OUTPUT PULL UP RESISTOR IS REQUIRED
 -SENSOR IS DESIGNED TO OPERATE WITH 4 N/S POLEPAIRS
 -THE OPERATIONAL DISTANCE BETWEEN THE MAGNET
 AND THE HOUSING, INCLUDING ANY RUNOUT
 SHOULD NOT EXCEED .030 INCHES



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

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.
B	9-5-03		ES-32C-7 (R2)
SCALE	STF	DRAWN BY	MJG
			REV DATE
			R3