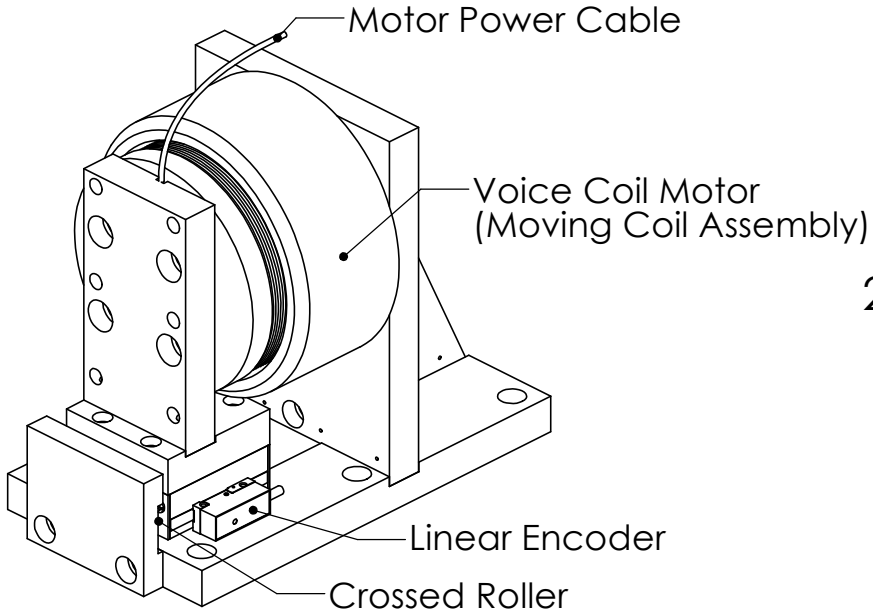
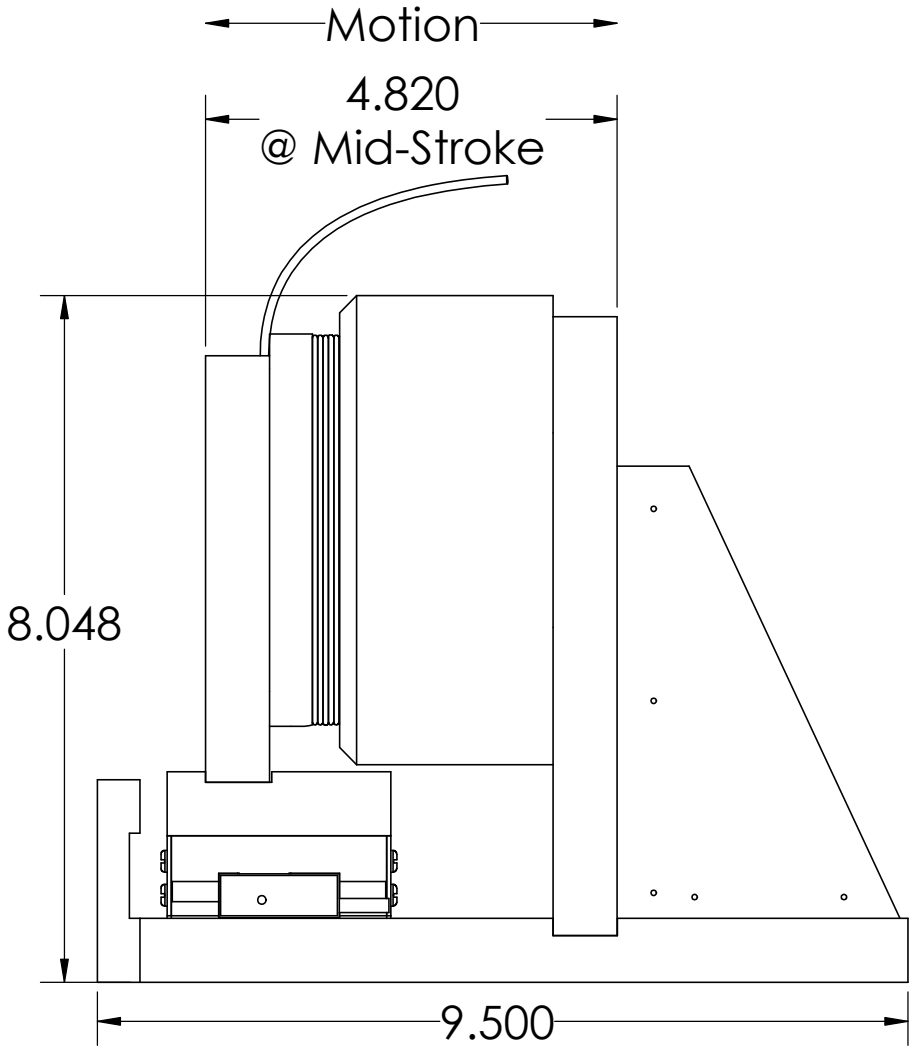
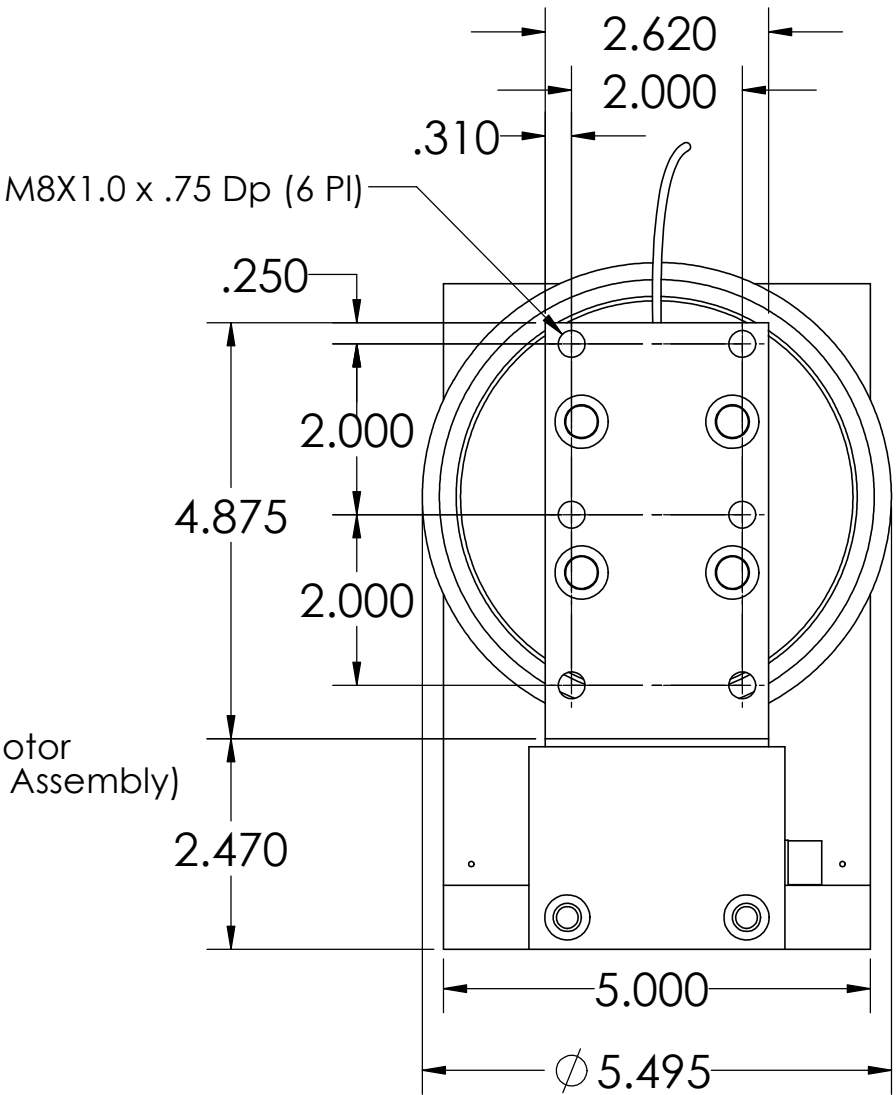
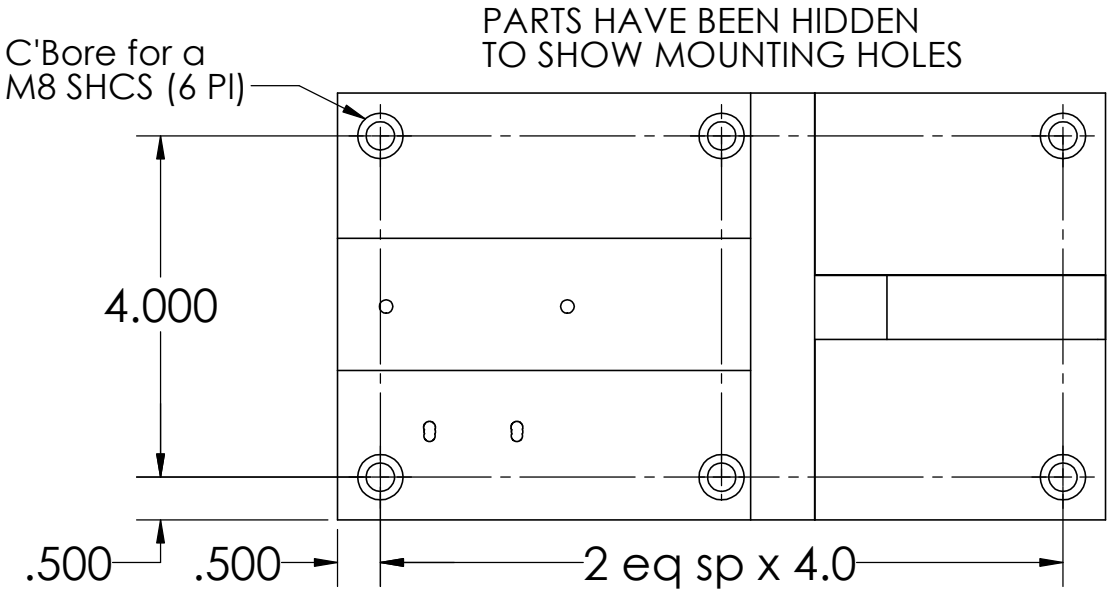


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REVISION TABLE							
REV	ECN#	DESCRIPTION			REV BY	APPROVED	DATE
---	---	Original Drawing			OOG	MPW	12-1-16



UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows .XXX ±.005 ANGLES ±1° .XX ±.010 FILLETS AND .X ±.020 CORNERS .010 Remove All Burrs and Sharp Edges				MATERIAL		TITLE	
				FINISH		Voice Coil Positioning Stage Model #VCS06-500-CR-01-V	
DRAWN OOG	DATE 12-1-16	APPROVED MPW	DATE 12-1-16	DWG #	REV	SHEET	1 of 2
				31-0778	---		

VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC06-60-500-1X	
Stroke	0.64"	16.3 mm
Encoder Resolution	1 micron	
Bearing Type	Crossed Roller	
Moving Mass	3.0 lbs	1.4 Kg
Total Mass	25 lbs	11.4 Kg
Resistance @ 20C	6.5 ohms	
Inductance @ 20C	4.6 mH	
Electrical Time Constant	0.71 msec	
Motor Constant	5.50 LBS/SQRT(Watt)	24.5 N/SQRT(Watt)
Force Constant	14.0 LBS/Amp	62.3 N/Amp
Back EMF	1.6 V/ips	62.3 V/m/sec
Continuous Force	50 LBS	227 N
Max Power @ 100% Duty	83 Watts	
Peak Force	150 LBS	681 N
Max Power @ 10% Duty	744 Watts	

