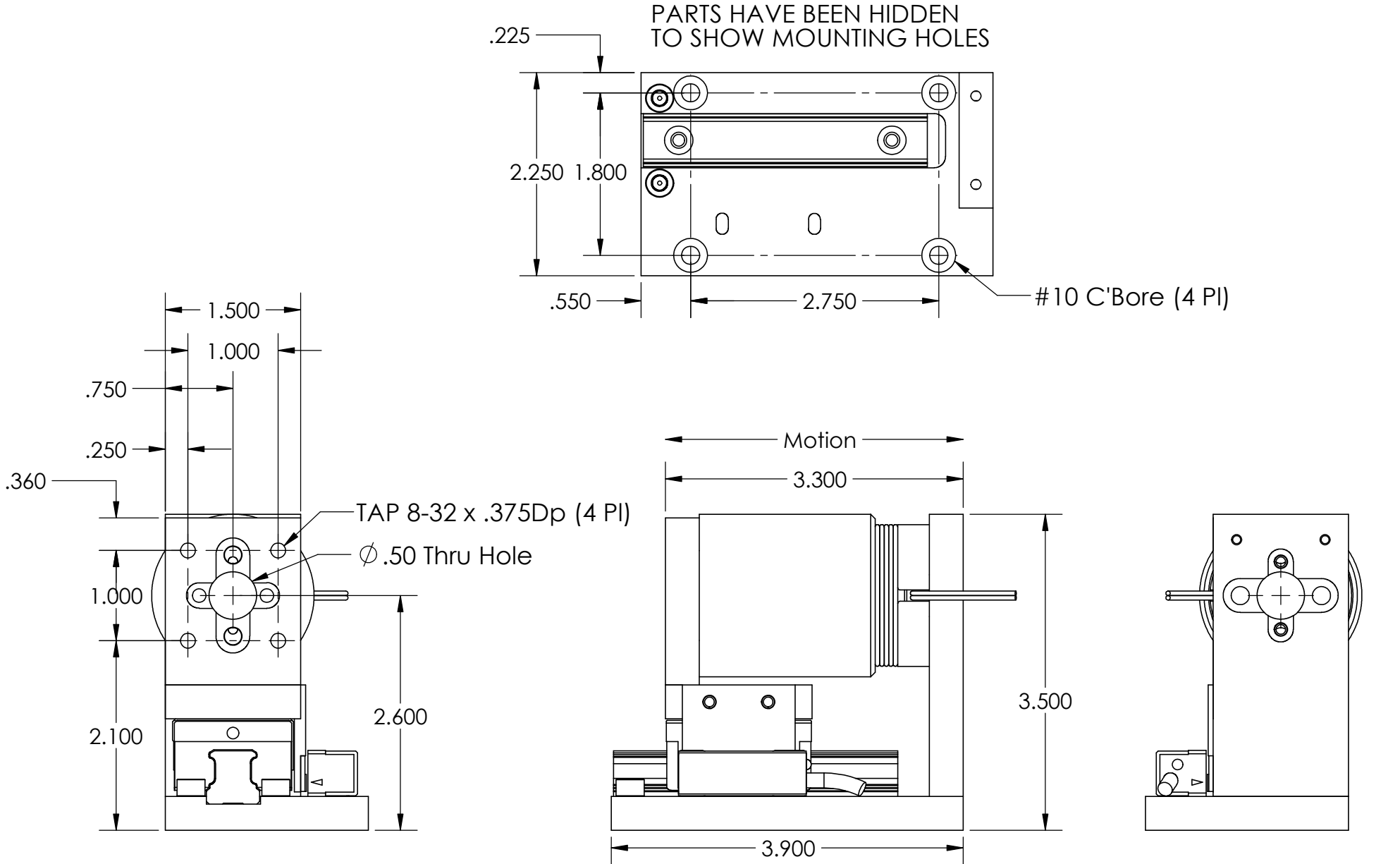


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	7-28-16



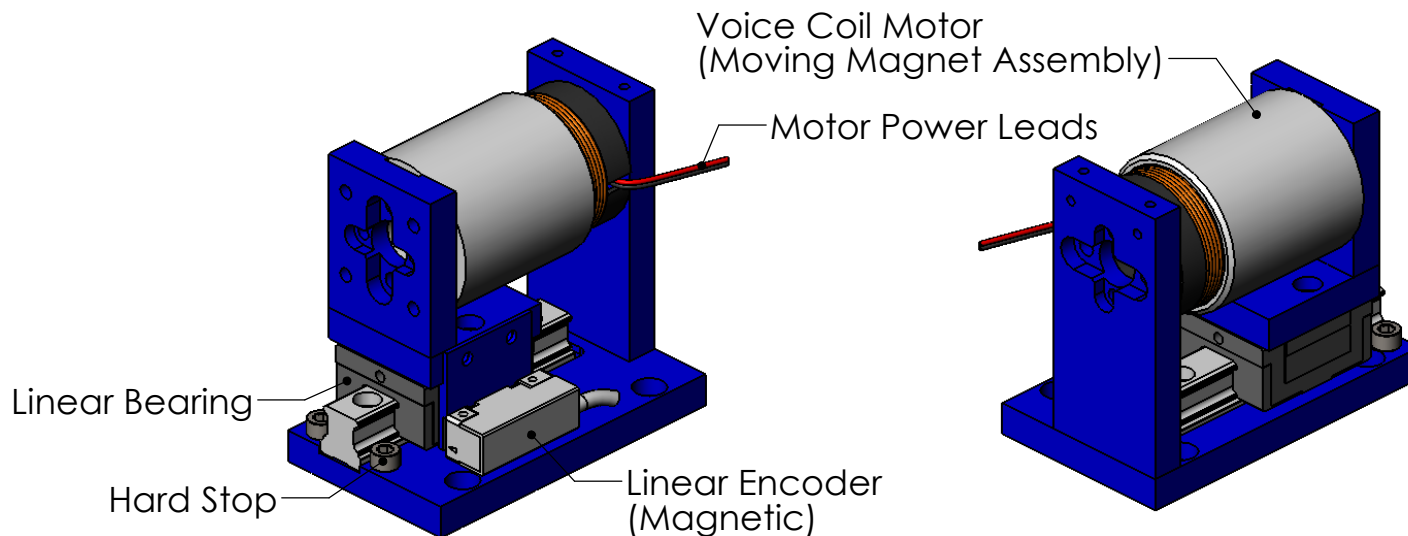
UNLESS SPECIFIED OTHERWISE: All dimensions are in inches Standard Tolerances are as follows .XXX ±.005 ANGLES ±1° .XX ±.010 FILLETS .010 .X ±.020 CORNERS .010 Remove All Burs and Sharp Edges				MATERIAL		FINISH		DRAWN		DATE		APPROVED		DATE	
								OOG		7-28-16		MPW		7-28-16	

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Voice Coil Positioning Stage
Model #: VCS05-060-LB-01-MH

TITLE	DWG #	REV	SHEET
	31-0756	---	1 of 2

VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC05-18-060-2x	
Stroke	0.50"	12.7 mm
Encoder Resolution	1.0 micron	
Encoder Type	Magnetic	
Bearing Type	Recirculating Ball Linear Bearing	
Moving Part	Magnet Assembly	
Moving Mass	1.40 lbs	633 grams
Total Mass	2.30 lbs	1005 grams
Resistance @ 20C	11.5 ohms	
Inductance @ 20C	4.5 mH	
Electrical Time Constant	0.39 msec	
Motor Constant	1.8 LBS/SQRT(Watt)	7.9 N/SQRT(Watt)
Force Constant	6.3 lbs/Amp	27.8 N/Amp
Back EMF	0.70 V/ips	27.8 V/m/sec
Force @ 100% Duty	6.0 lbs	26.7 N
Power @ 100% Duty	12.0 watts	
Current @ 100% Duty	1.0 Amps	
Force @ 10% Duty	18.0 lbs	80.1 N
Power @ 10% Duty	102 watts	
Current @ 10% Duty	3.0 Amps	



TITLE	Voice Coil Positioning Stage Model #: VCS05-060-LB-01-MH	
DWG #	31-0756	REV ---
		SHEET 2 of 2