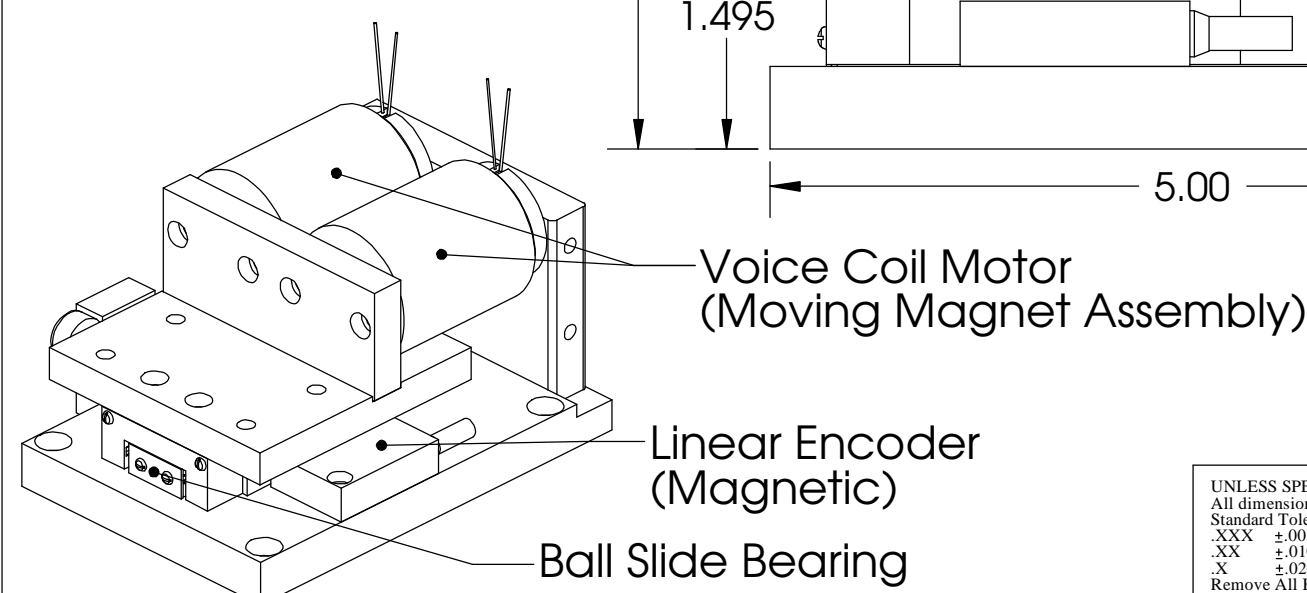
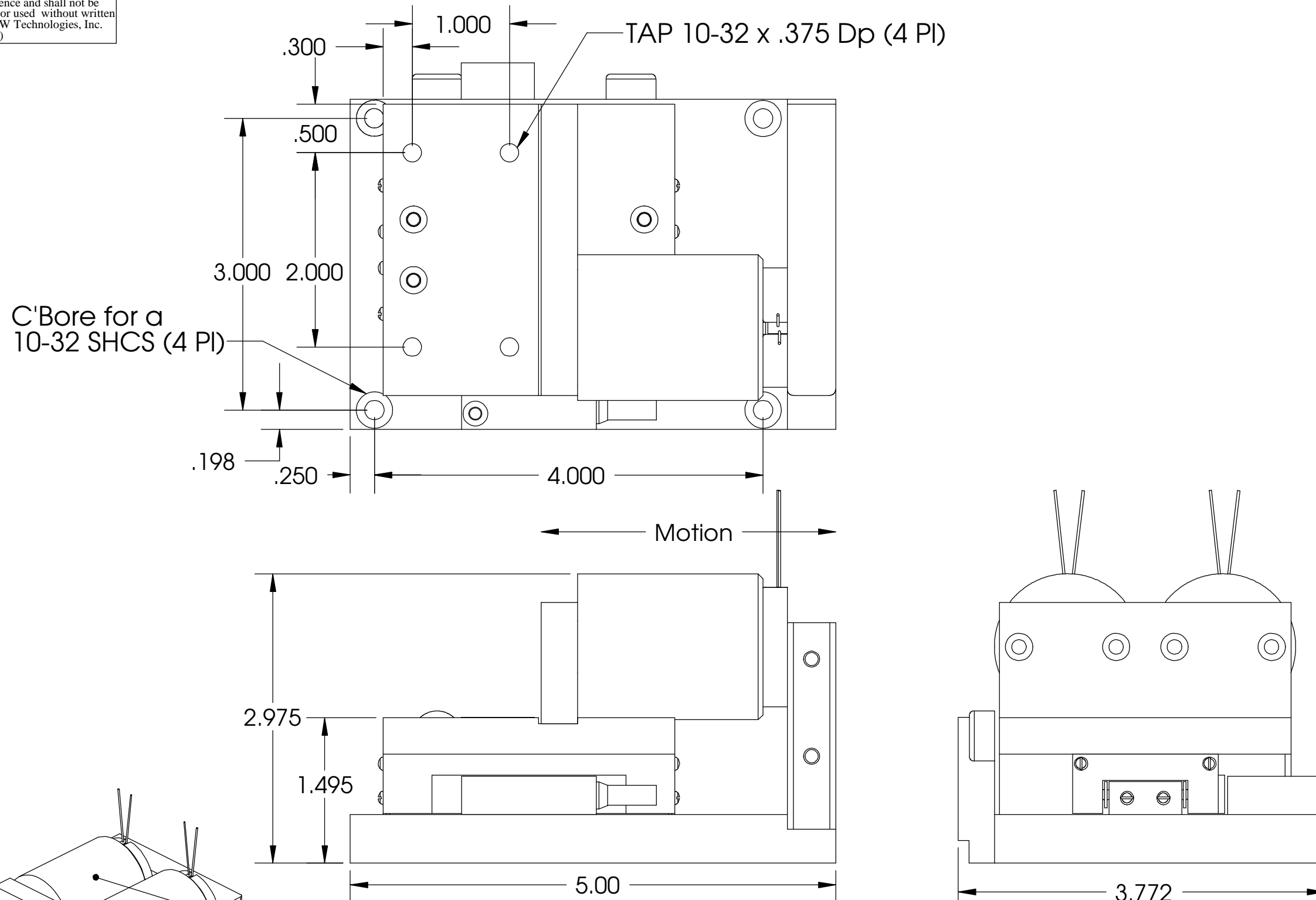


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MOTOR HAS BEEN HIDDEN TO SHOW MOUNTING HOLES



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**TITLE**  
 Voice Coil Positioning Stage  
 Model #VCS10-046-BS-01-M

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 Burrs and Sharp Edges				MATERIAL	
DRAWN OOG		DATE 12-5-07	APPROVED MPW	DATE 12-5-07	

DWG #	REV	SHEET
<b>31-0045</b>	<b>A</b>	1 of 2

<b>MOVING COIL NON-COMM ACTUATOR SPECIFICATIONS</b>		
Motor P/N	NCC10-15-023-1X	
Stroke	1.00"	25.4 mm
Encoder Resolution	1 micron	
Bearing Type	Ball Slide	
Moving Mass	.96 lbs	436 grams
Total Mass	2.32 lbs	1053 grams
Resistance @ 20C	15.0 ohms	
Inductance @ 20C	6.6 mH	
Electrical Time Constant	0.44 msec	
Motor Constant	1.70 LBS/SQRT(Watt)	7.5 N/SQRT(Watt)
Force Constant	4.6 LBS/Amp	20.4 N/Amp
Back EMF	0.52 V/ips	20.4 V/m/sec
Continuous Force	4.6 LBS	20.4 N
Max Power @ 100% Duty	14Watts	
Peak Force	13.8 LBS	61.4 N
Max Power @ 10% Duty	132 Watts	

NOTE: Electrical specs & masses are for two NCC10-15-023-1X motors

TITLE		
Voice Coil Positioning Stage <b>Model #VCS10-046-BS-01-M</b>		
DWG #	REV	SHEET
<b>31-0045</b>	<b>A</b>	2 of 2