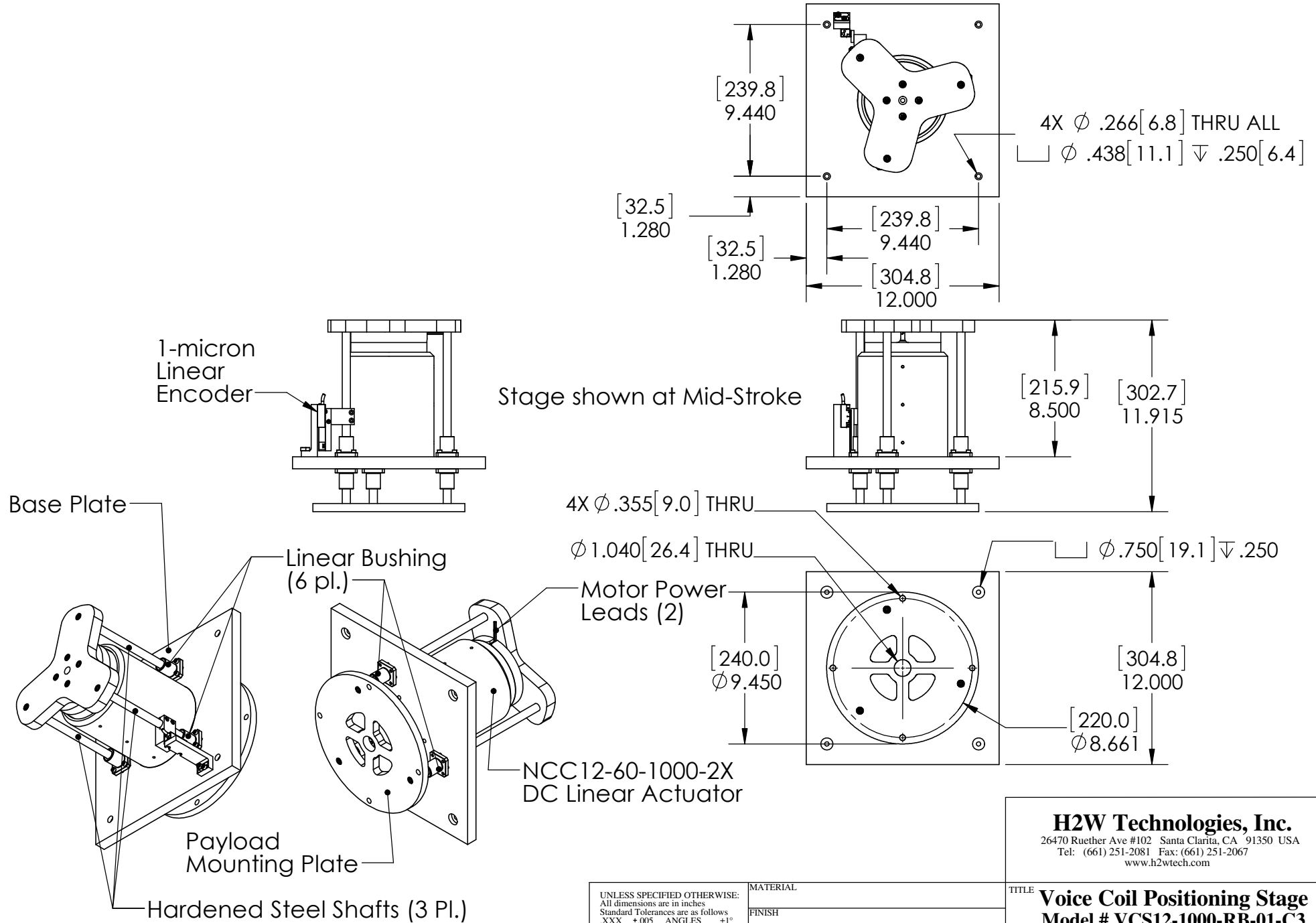


REVISION TABLE						
REV	ECN#	DESCRIPTION		REV BY	APPROVED	DATE
---	---	Original Drawing		JRM	MPW	5-5-14



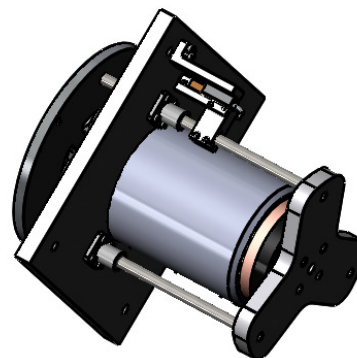
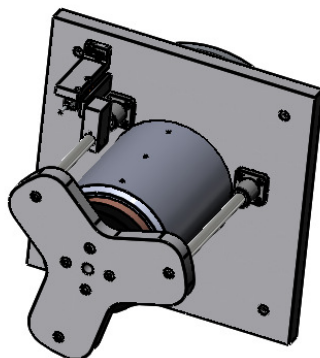
UNLESS SPECIFIED OTHERWISE:
All dimensions are in inches
Standard Tolerances are as follows
.XXX ±.005 ANGLES ±1°
.XX ±.010 FILLETS .010
.X ±.020 CORNERS .010
Remove All Burs and Sharp Edges

MATERIAL			
FINISH			
DRAWN	DATE	APPROVED	DATE
JRM	5-5-14	MPW	5-5-14

TITLE			
Voice Coil Positioning Stage			
Model # VCS12-1000-RB-01-C3			
DWG #	REV	SHEET	
31-0676	---	1 of 2	

H2W Technologies, Inc.
26470 Ruether Ave #102 Santa Clarita, CA 91350 USA
Tel: (661) 251-2081 Fax: (661) 251-2067
www.h2wtech.com

VOICE COIL POSITIONING STAGE SPECIFICATIONS		
Motor P/N	NCC12-60-1000-2X	
Stroke	1.2 in	30.5 mm
Encoder Resolution	1 micron	
Bearing Type	Linear Bushing	
Moving Mass	205 oz	5800 grams
Total Mass	920 oz	26100 grams
Resistance @ 20C	3.0 ohms	
Inductance @ 20C	2.7 mH	
Electrical Time Constant	0.90 msec	
Motor Constant	11.8 lbs/sqrt watt	52.5 N/sqrt watt
Force Constant	20.1 lbs/amp	89.4 N/amp
Back EMF	2.3 V/ips	89.4 V/m/sec
Force @ 100% Duty	100 lbs	454 N
Power @ 100% Duty	72 watts	
Current @ 100% Duty	4.9 amps	
Force @ 10% Duty	300 lbs	1362 N
Power @ 10% Duty	646 watts	
Current @ 10% Duty	14.7 amps	
Encoder Type	Magnetic	
Moving Part	Coil Assembly	



TITLE	Voice Coil Positioning Stage		
	Model # VCS12-1000-RB-01-C3		
DWG #	31-0676	REV	---
		SHEET	2 of 2