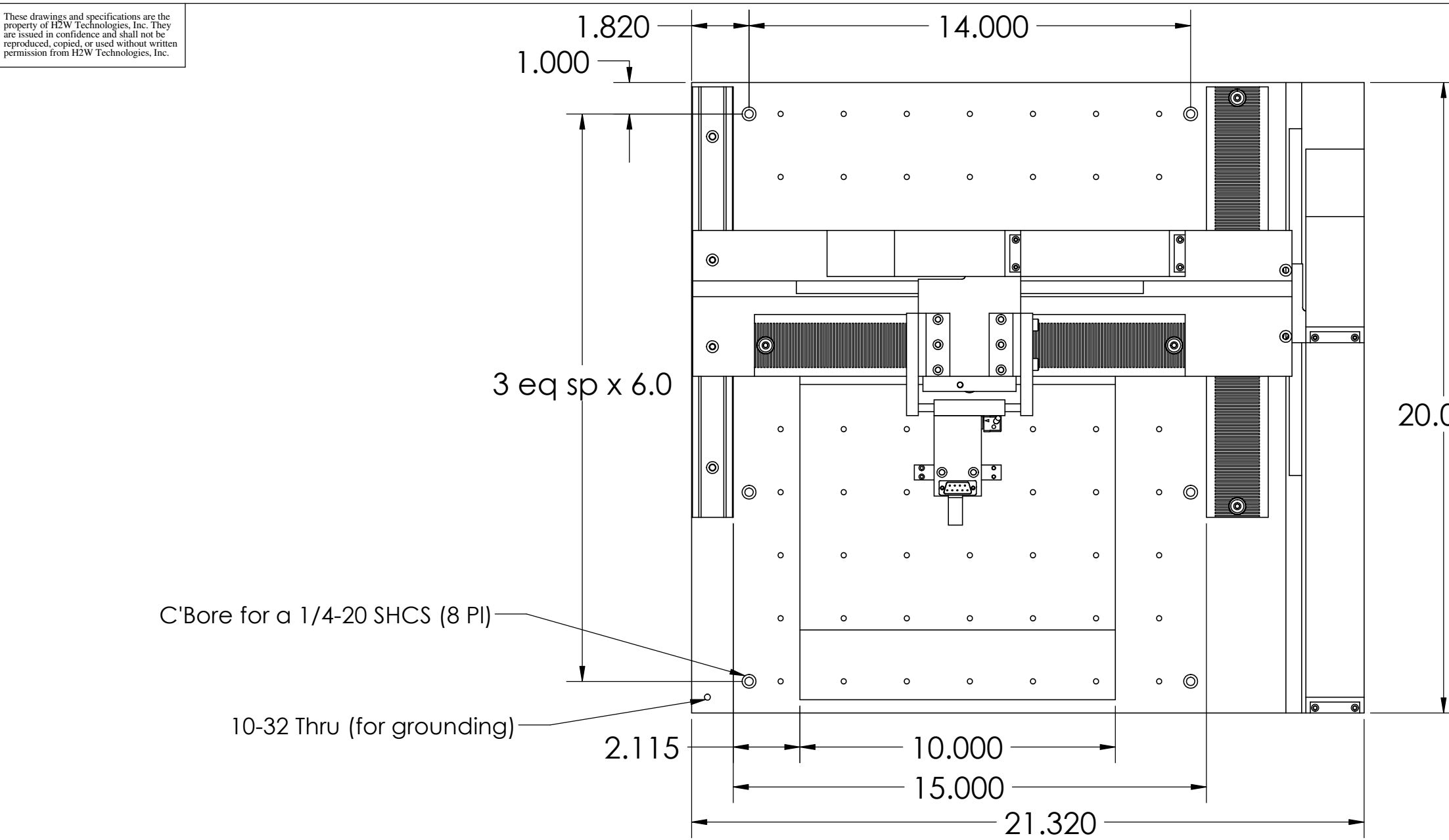
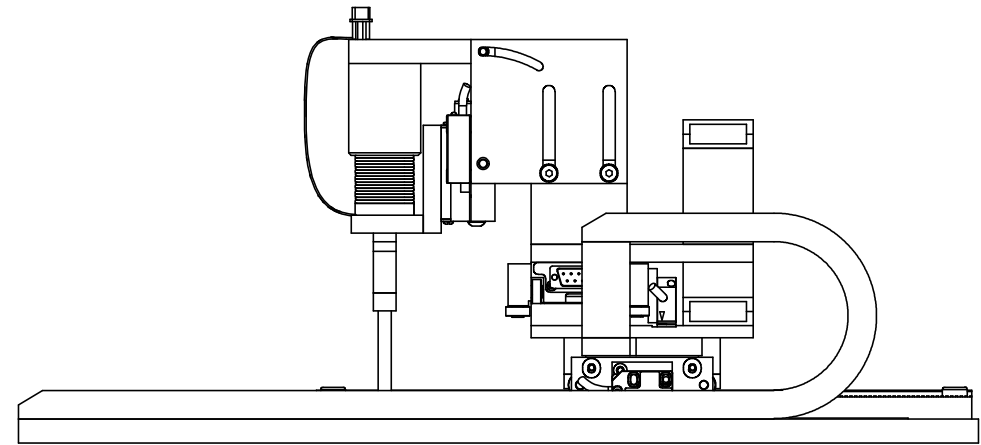
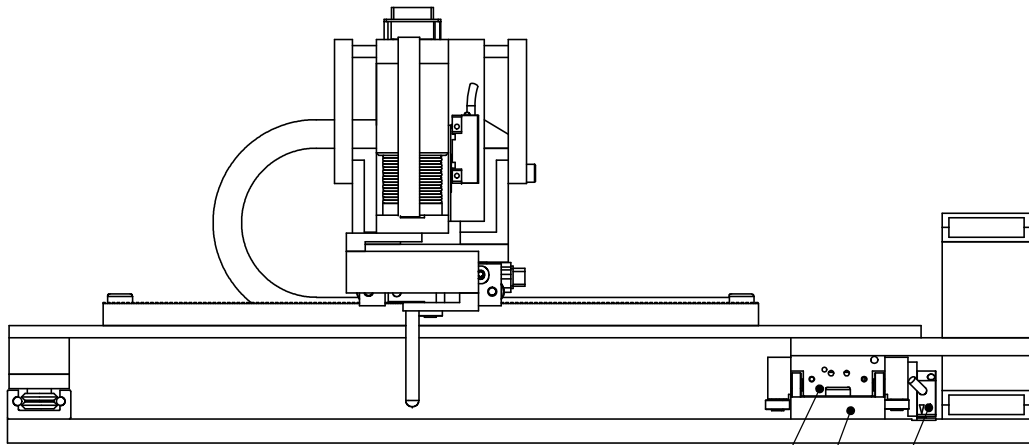
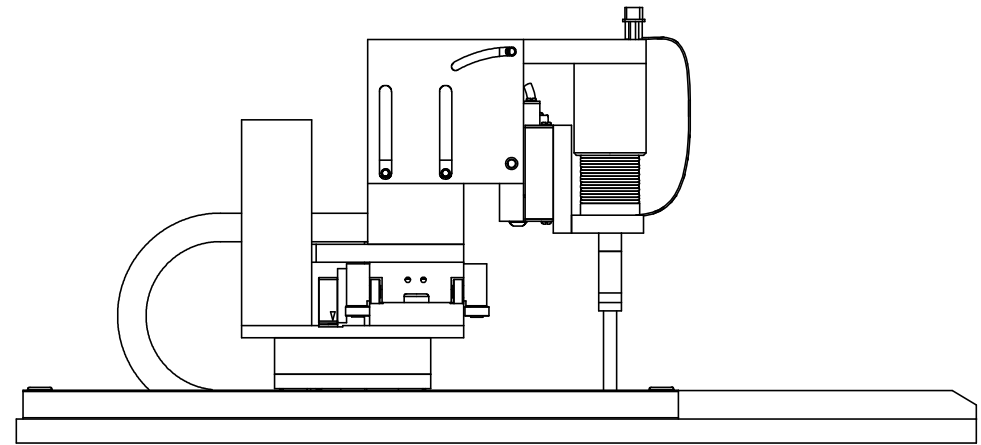


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REVISION TABLE					
REV	ECN#	DESCRIPTION	REV BY	APPROVED	DATE
---	---	Original Drawing	OOG	MPW	12-28-10



**Specs:**  
 X & Y Axis (Linear Stepper Motor)  
 Stroke = 10.0 in  
 Force = 6 lbs  
 Encoder = 1 micron  
  
 Z Axis (Voice Coil Stage)  
 Stroke = 1.0 in  
 Force (Cont) = 2.3 lbs  
 Force (Peak) = 6.9 lbs  
 Encoder = 1 micron  
 Load Cell = 0.1-1.0 lbs  
 Angular Adjustment = 0°-30°



Stepper Motor  
 Platen  
 Linear Encoder  
 (Magnetic)

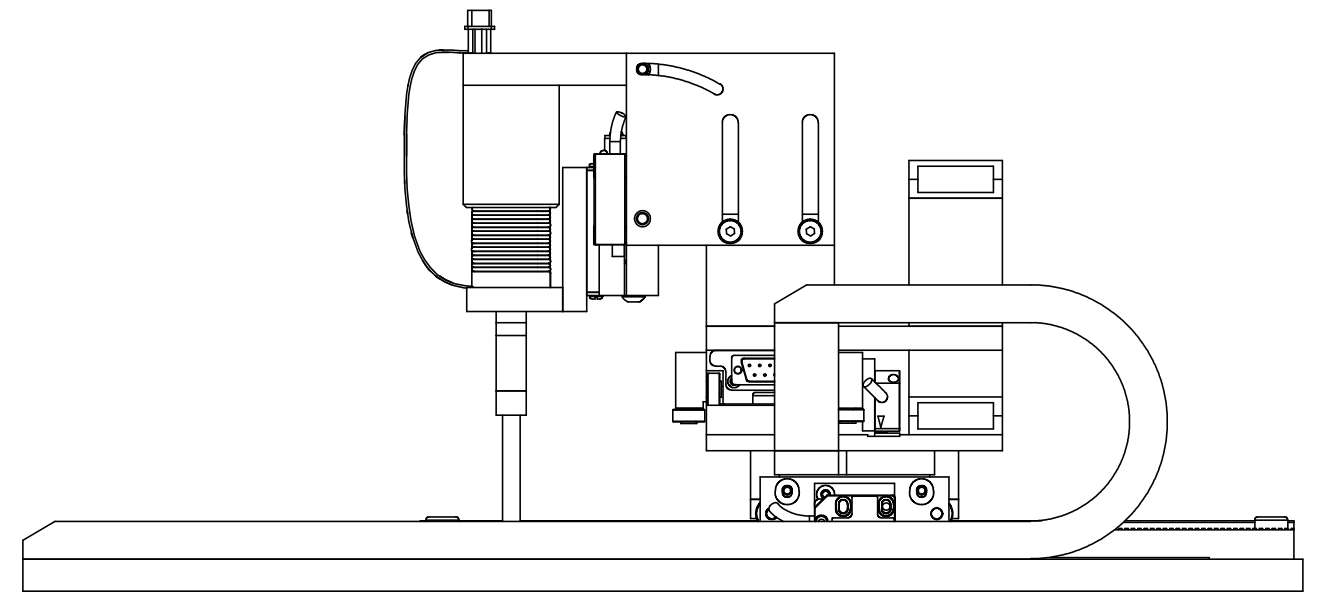
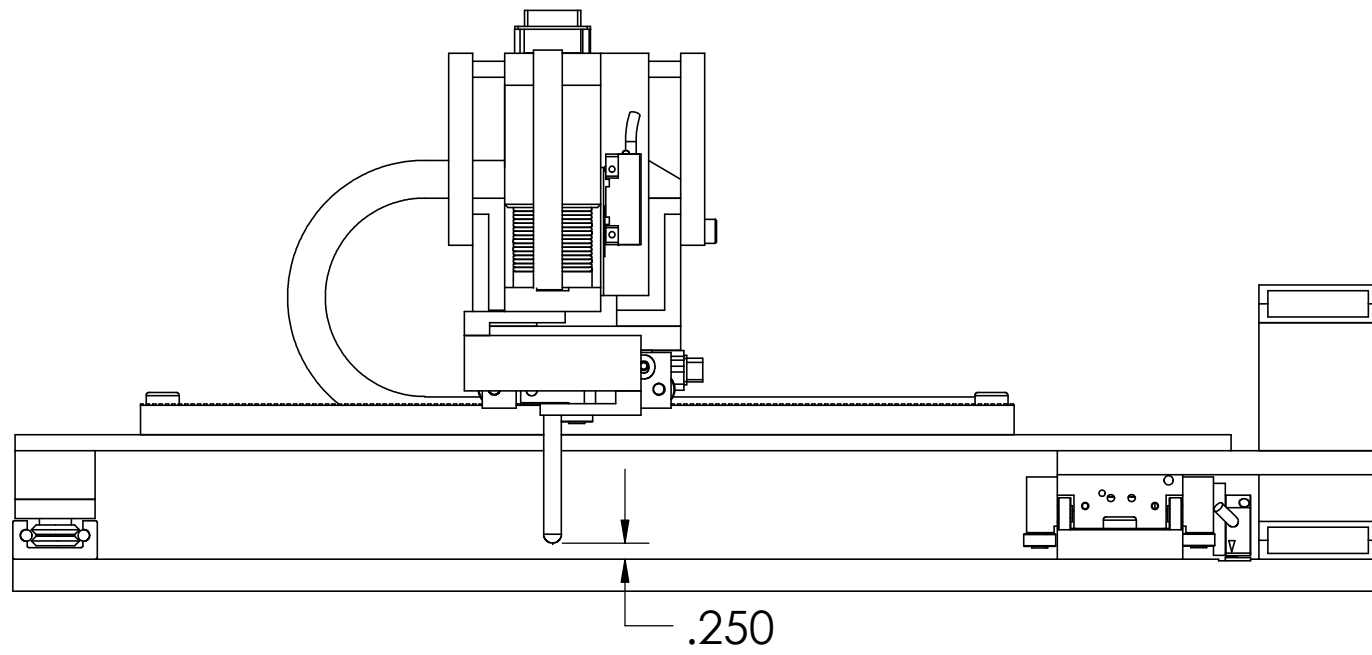
**H2W Technologies, Inc.**  
 26470 Ruether Ave #102 Santa Clarita, CA 91350 USA  
 Tel: (661) 251-2081 Fax: (661) 251-2067  
 www.h2wtech.com

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		Multi-Axis Positioning Stage XYZ Gantry	
DRAWN	DATE	APPROVED	DATE	DWG #	REV	SHEET	
OOG	12-28-10	MPW	12-28-10	10-0471	---	1 of 4	

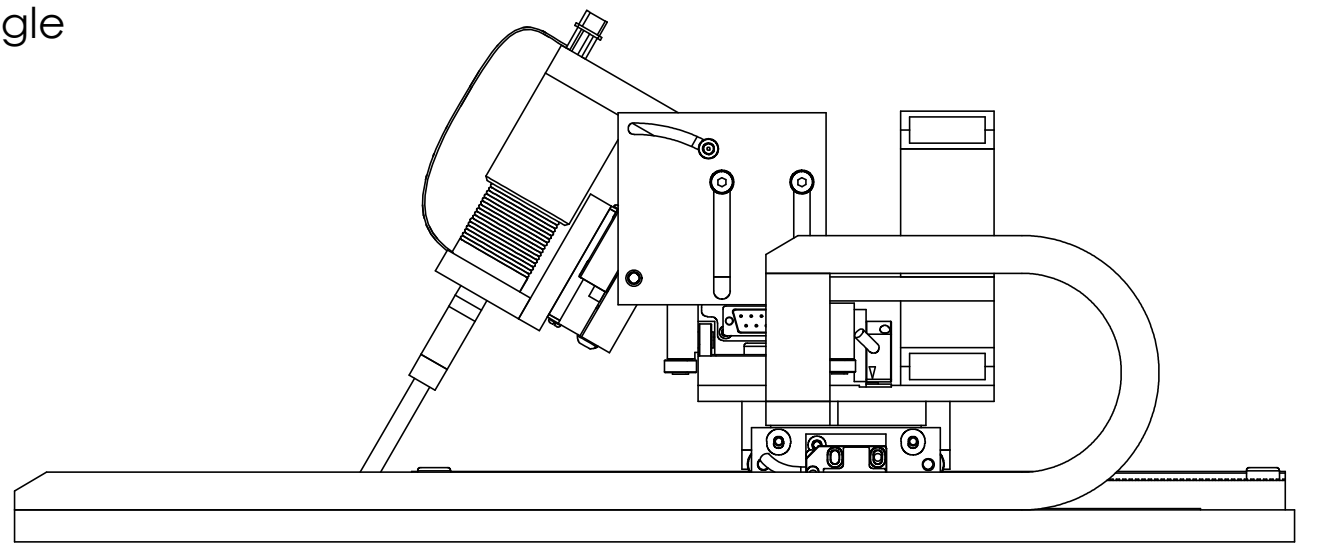
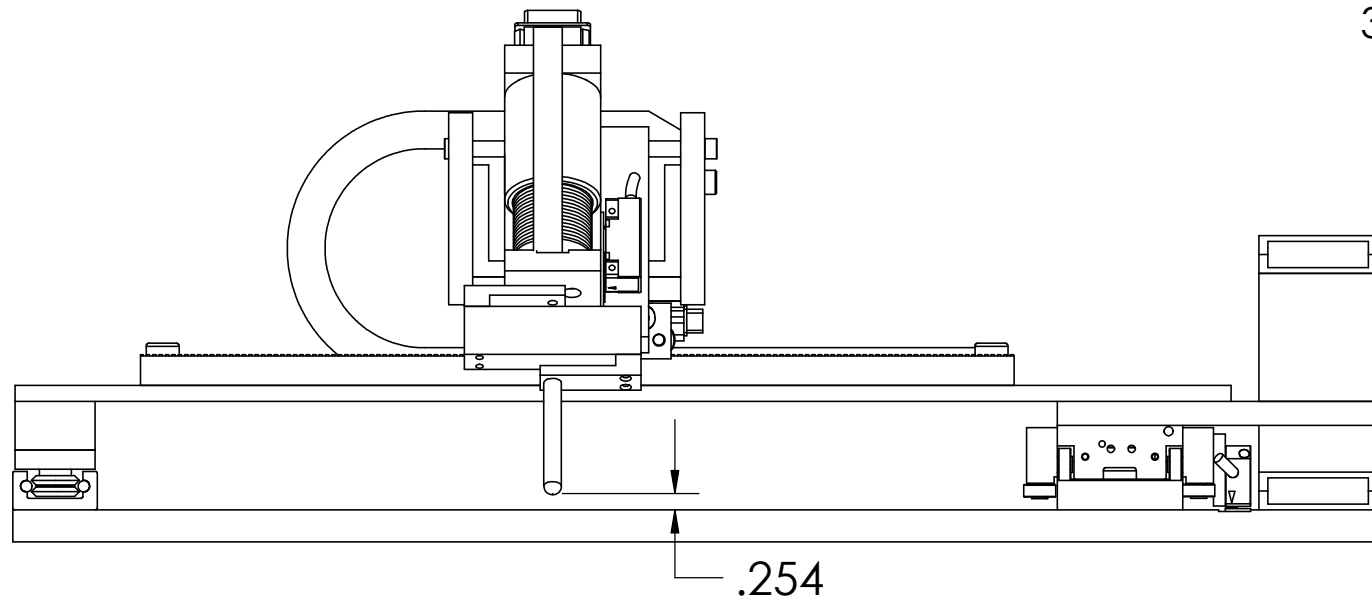
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# Voice Coil Axis Angular Adjustment

Straight



30 Degree Angle

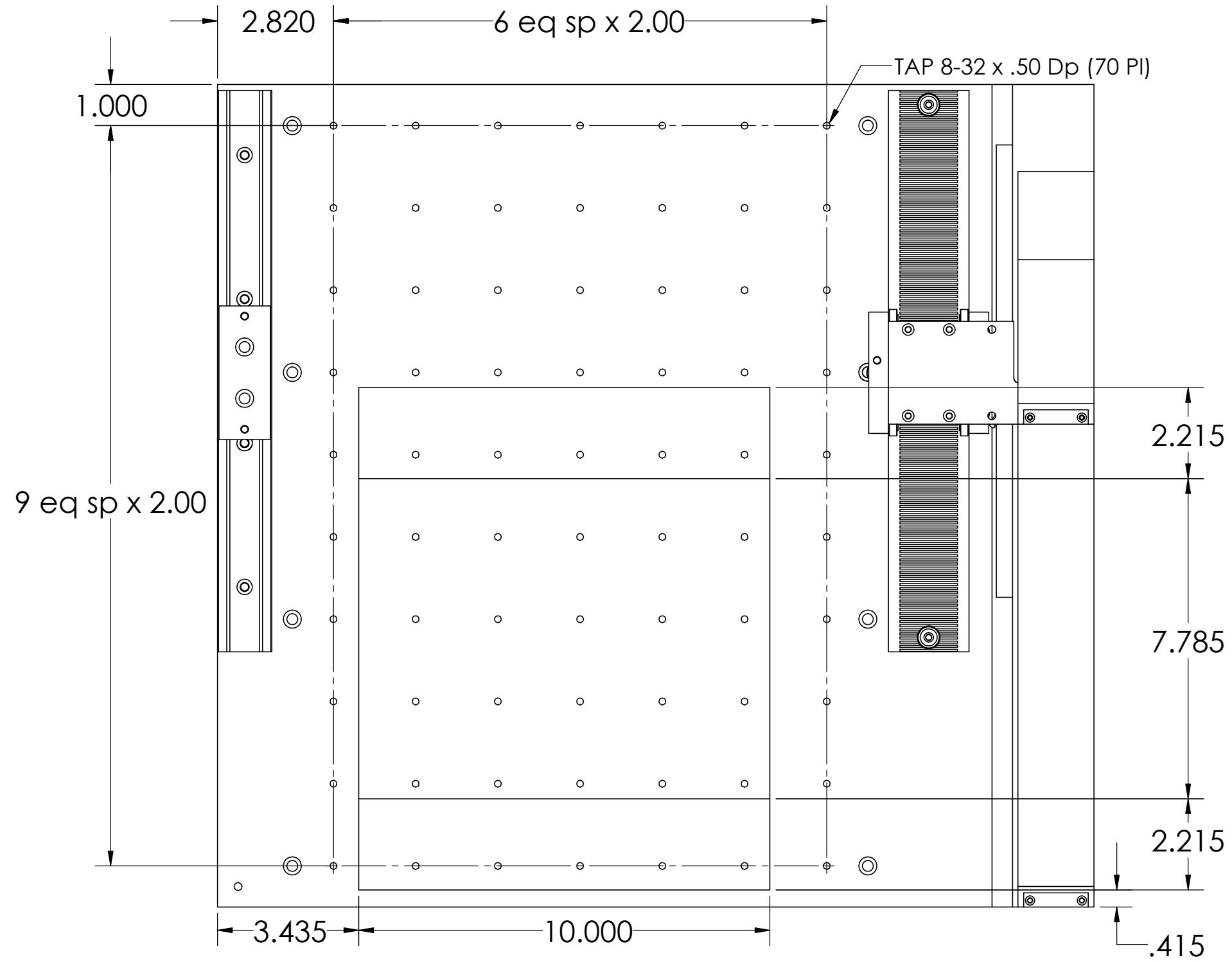


Voice Coil Stage Shown Fully Extended

TITLE	Multi-Axis Positioning Stage XYZ Gantry		
DWG #	10-0471	REV	---
		SHEET	2 of 4

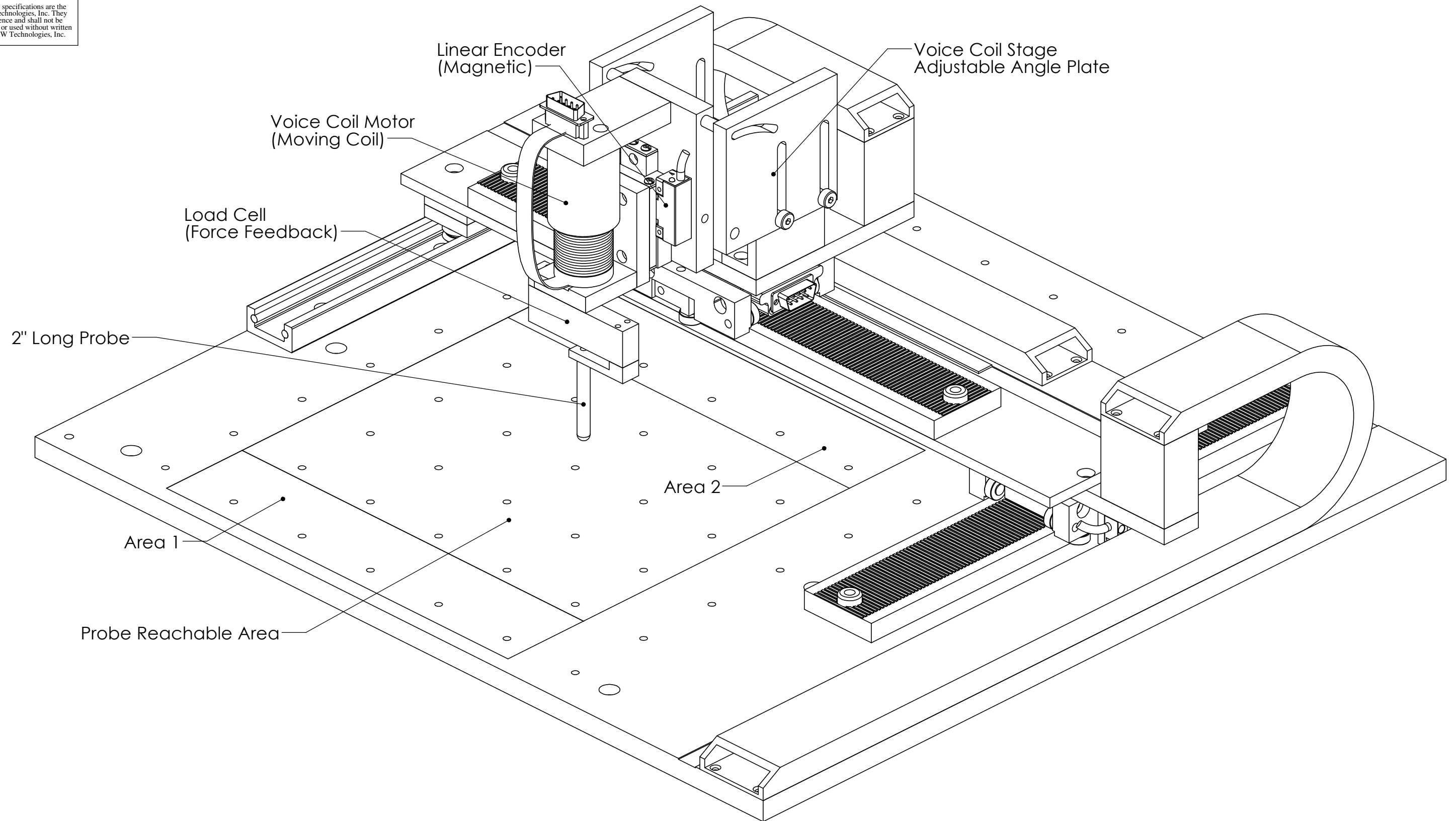
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# PARTS HAVE BEEN HIDDEN TO SHOW GRID



TITLE			
Multi-Axis Positioning Stage XYZ Gantry			
DWG #	REV	SHEET	
10-0471	---	3 of 4	

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NOTES:

- Area 1 is only reachable when the vertical voice coil stage is at a  $30^\circ$  angle
- Area 2 is only reachable when the the vertical voice coil stage is at a  $0^\circ$  angle

TITLE	Multi-Axis Positioning Stage XYZ Gantry		
DWG #	10-0471	REV	---
SHEET	4 of 4		