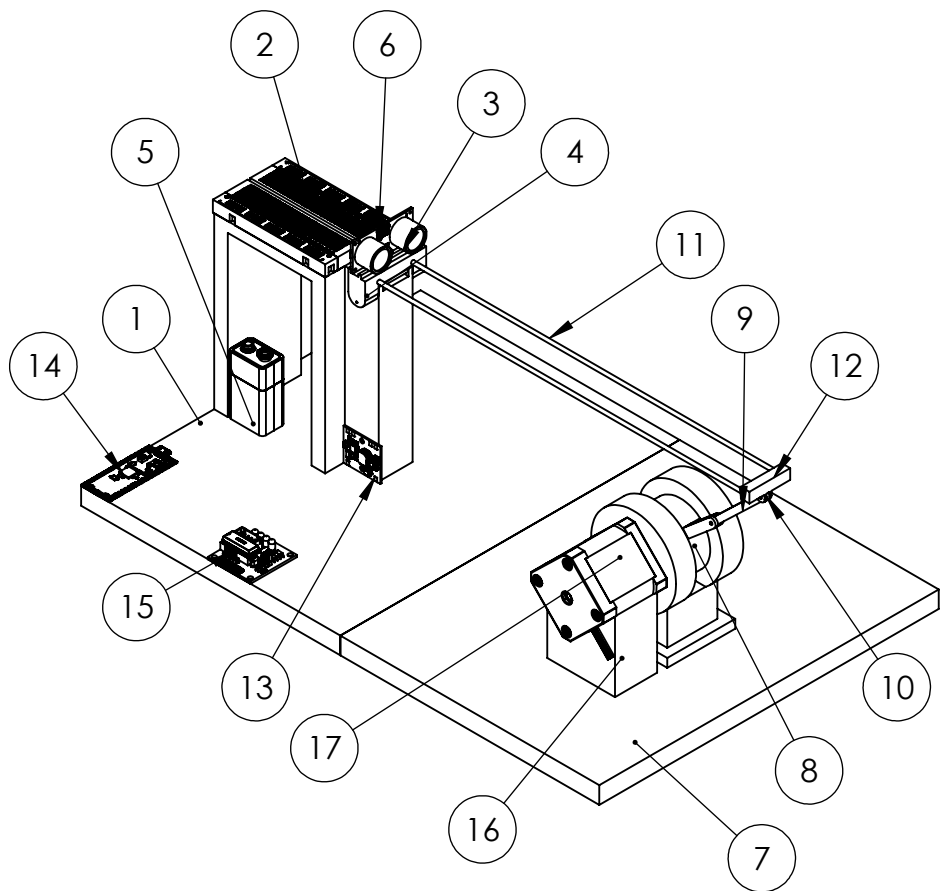


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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Base_RB2-1 (1)		1
2	Breadboard 400		1
3	Hinge_RB2		1
4	Hinge_Connector_RB2		1
5	9V-battery	PART-layer1 [1]-DESC	1
6	HCSR04 Ultrasonic Sensor		1
7	Base_RB2_2		1
8	FulcrumV2_RB2		1
9	StentV2_P1_RB2		1
10	Fulcrum_Connector_RB2		2
11	Rod_RB2		2
12	StentV2_P2_RB2		1
13	User Library-SCV0050	NONE	1
14	Raspberry Pi Pico-R3		1
15	User Library-ULN2003 Driver		1
16	Stepper Motor Block		1
17	12v stepper motor 17HS19-2004S1 (1)		1

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		TOLERANCES:	CHECKED	12/5/2025
		FRACTIONAL ±	ENG APPR.	
		ANGULAR: MACH ± BEND ±	MFG APPR.	
		TWO PLACE DECIMAL ±	Q.A.	
		THREE PLACE DECIMAL ±	COMMENTS:	
		INTERPRET GEOMETRIC TOLERANCING PER:		
		MATERIAL		
		FINISH		
NEXT ASSY	USED ON			
APPLICATION		DO NOT SCALE DRAWING		

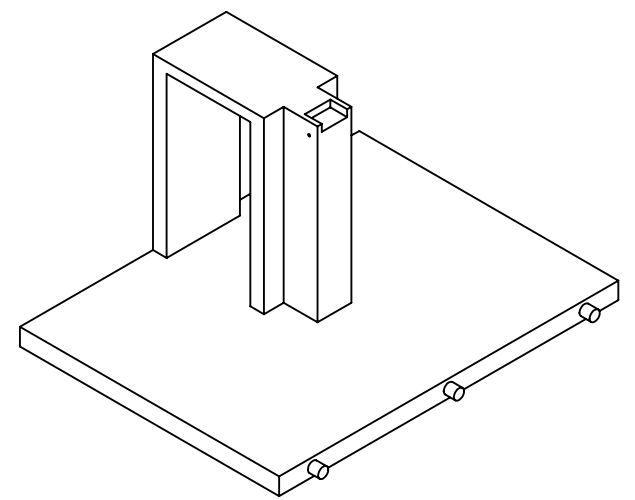
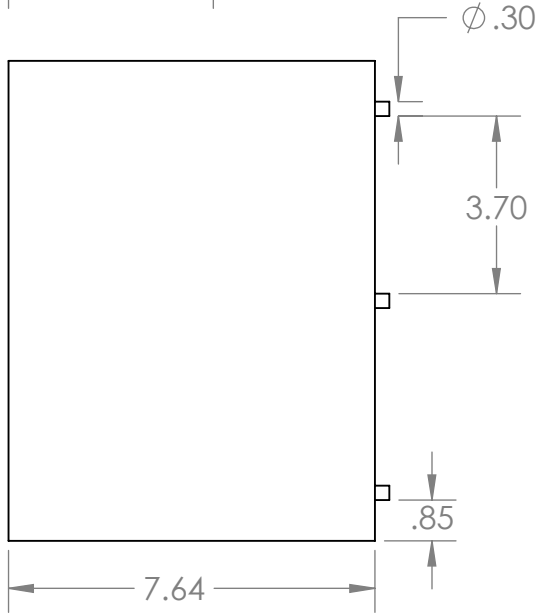
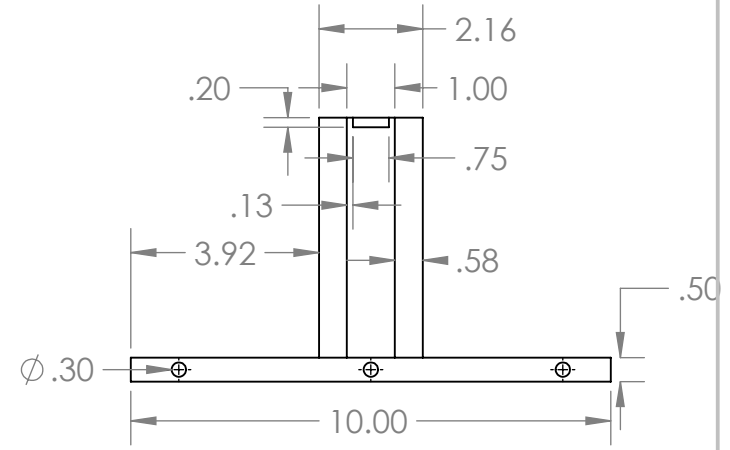
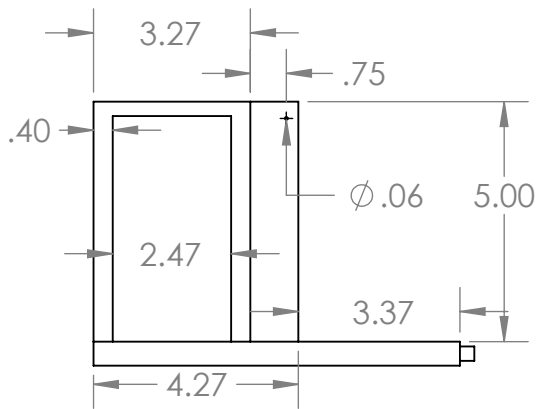
TITLE:		
Ball on Beam		
SIZE	DWG. NO.	REV
Ball on Beam V2		
SCALE: 1:8	WEIGHT:	SHEET 1 OF 1

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		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Ball on Beam		
SIZE	DWG. NO.	REV
	Base_RB2_1_V2	
SCALE: 1:4	WEIGHT:	SHEET 1 OF 1

2

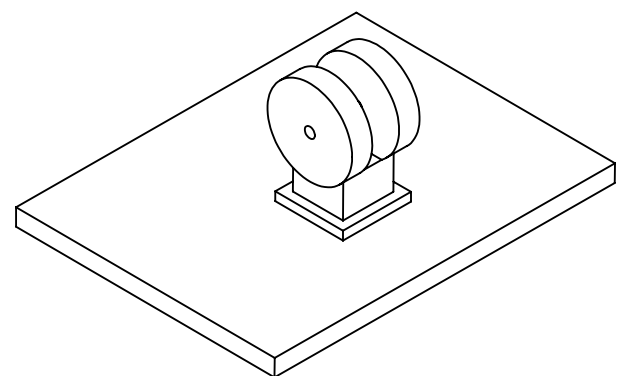
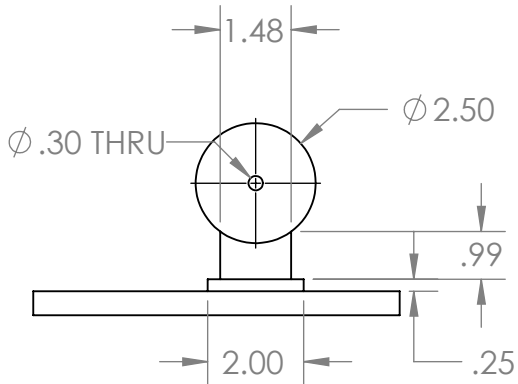
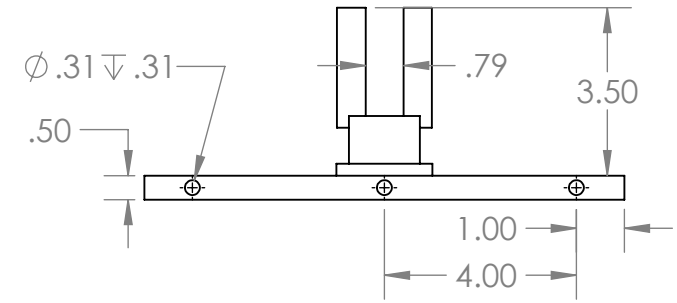
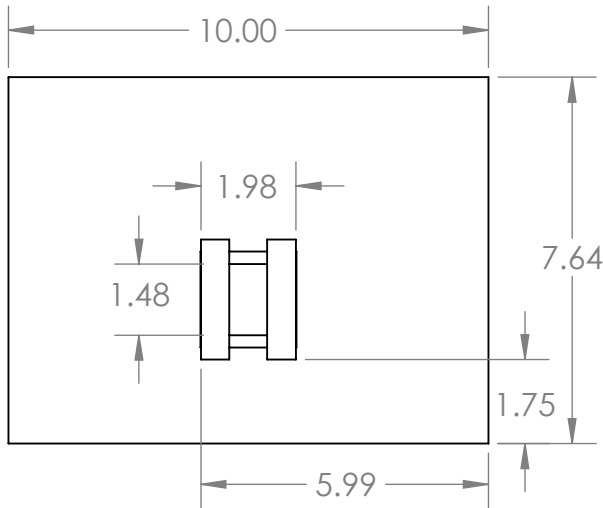
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		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Ball on Beam		
SIZE	DWG. NO.	REV
A	Base_RB2_2_V2	
SCALE: 1:4	WEIGHT:	SHEET 1 OF 1

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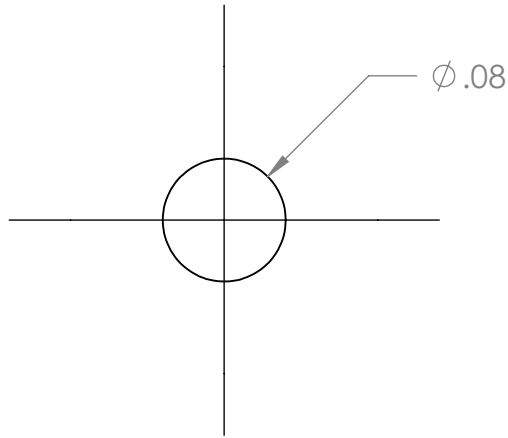
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		TOLERANCES:	CHECKED		
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		ANGULAR: MACH ± BEND ±	MFG APPR.		
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		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
Ball on Beam: Fulcrum Connector

SIZE	DWG. NO.	REV
A	Fulcrum_Connector_RB2	
SCALE: 12:1	WEIGHT:	SHEET 1 OF 1

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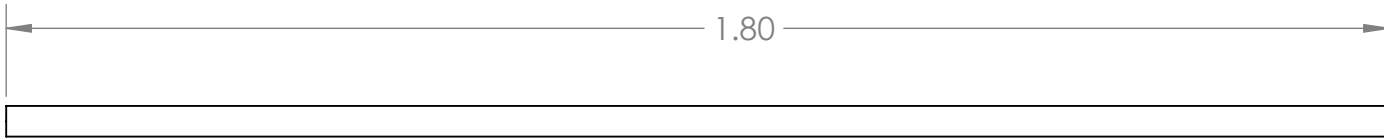
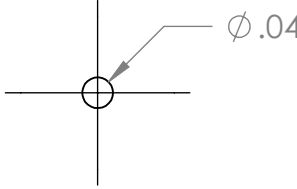
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		DIMENSIONS ARE IN INCHES	DRAWN	FLF	11/5/2025
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Ball on Beam: Hinge Connector		
SIZE	DWG. NO.	REV
A	Hinge_Connector_RB2	
SCALE: 2:1	WEIGHT:	SHEET 1 OF 1

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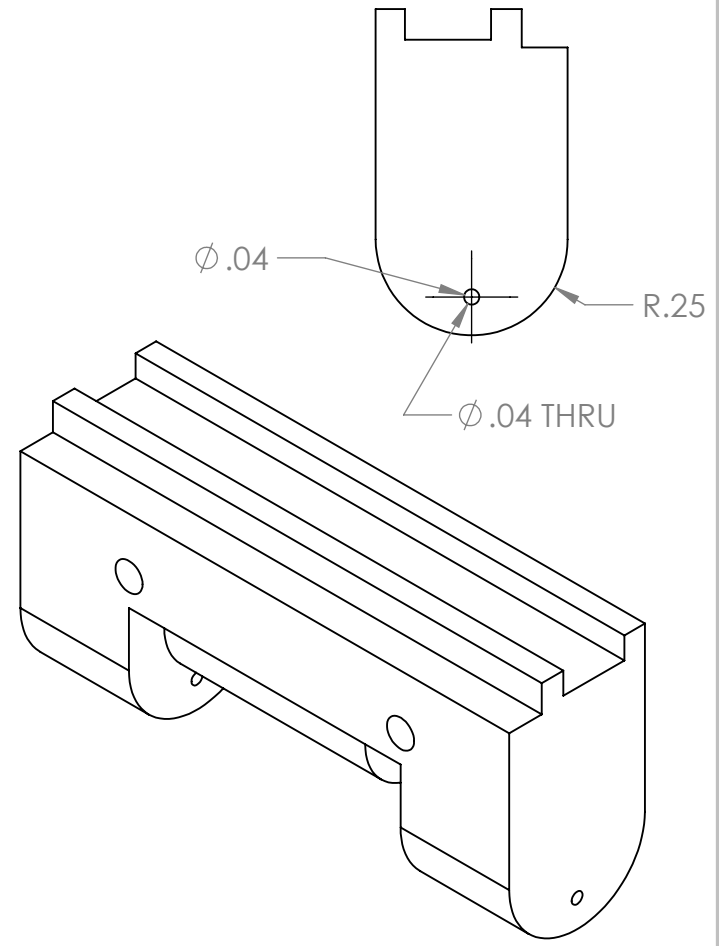
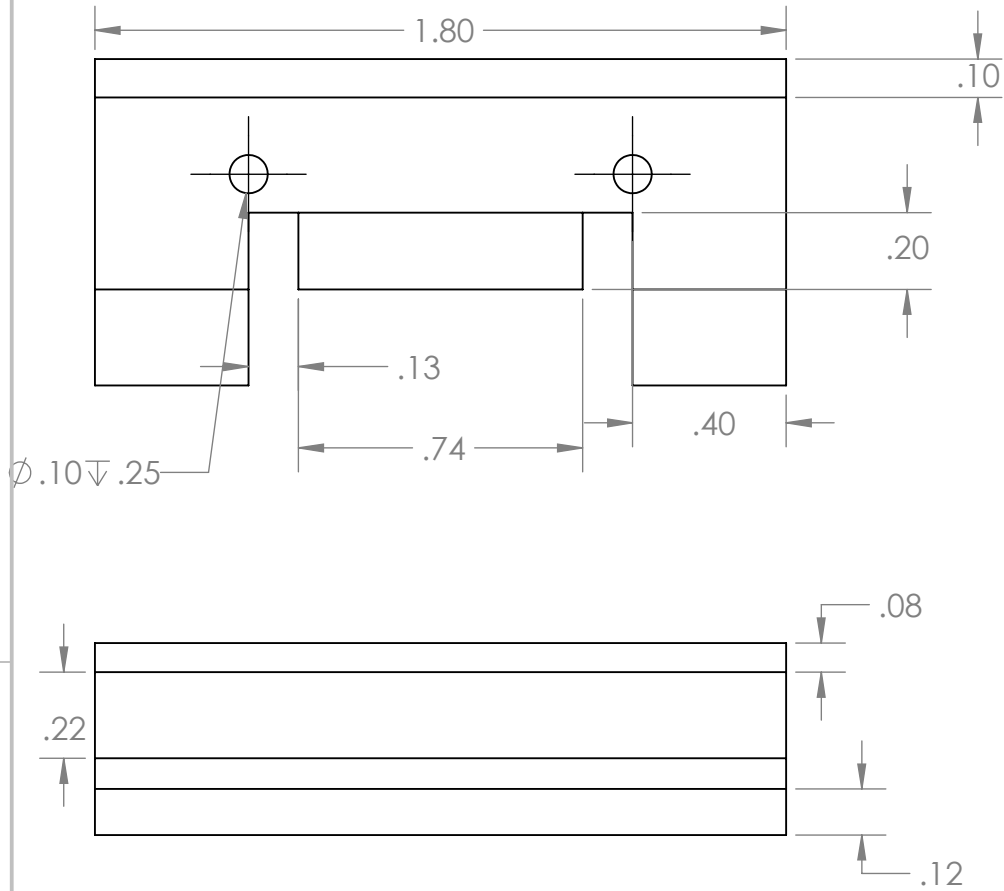
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		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
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		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
	NEXT ASSY	USED ON			
		FINISH			
	APPLICATION	DO NOT SCALE DRAWING			

TITLE:		
Ball on Beam		
SIZE	DWG. NO.	REV
	Hinge_RB2_V2	
SCALE: 2:1	WEIGHT:	SHEET 1 OF 1

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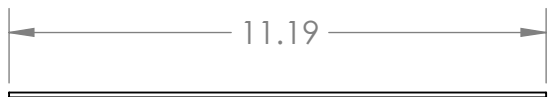
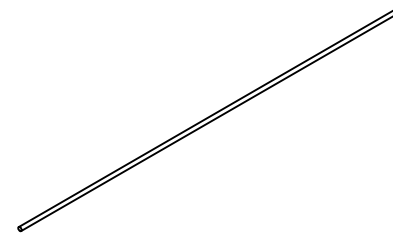
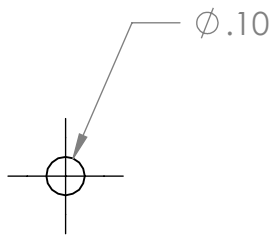
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		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
Ball on Beam

SIZE	DWG. NO.	REV
	ARod_RB2_V2	
SCALE: 1:4	WEIGHT:	SHEET 1 OF 1

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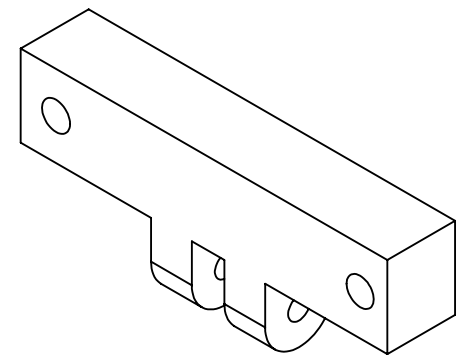
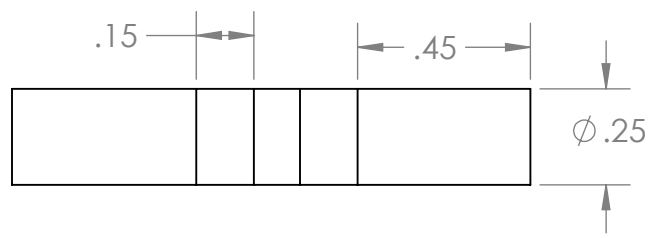
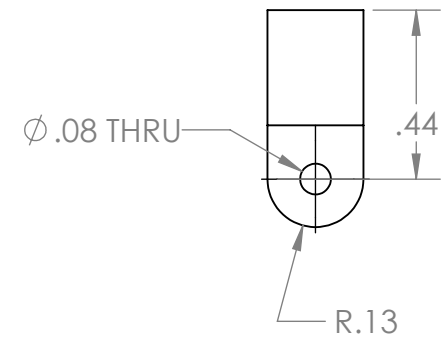
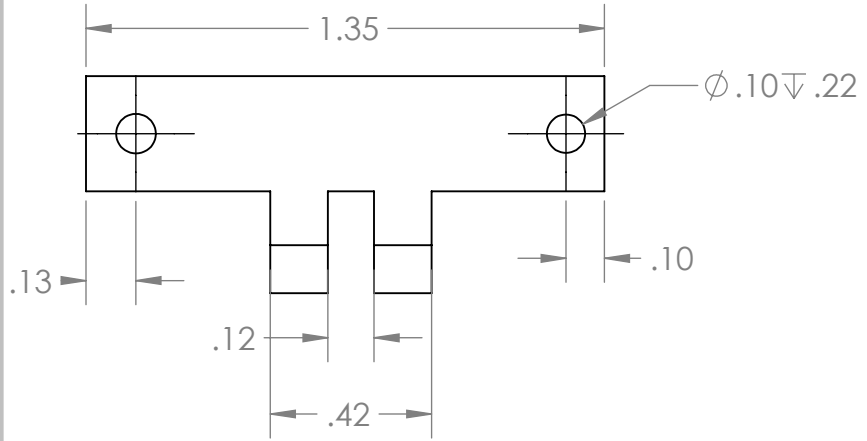
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		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

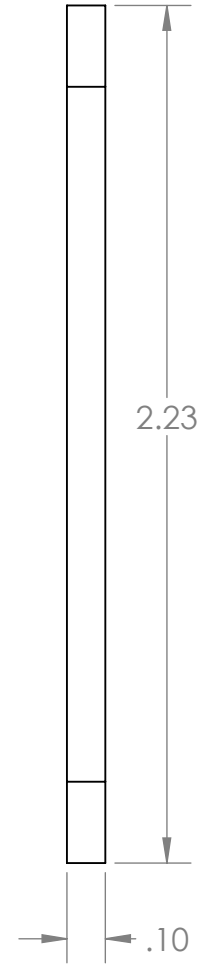
TITLE:		
RB2:Stent		
SIZE	DWG. NO.	REV
AStent_P2_V2		
SCALE: 2:1	WEIGHT:	SHEET 1 OF 1

2

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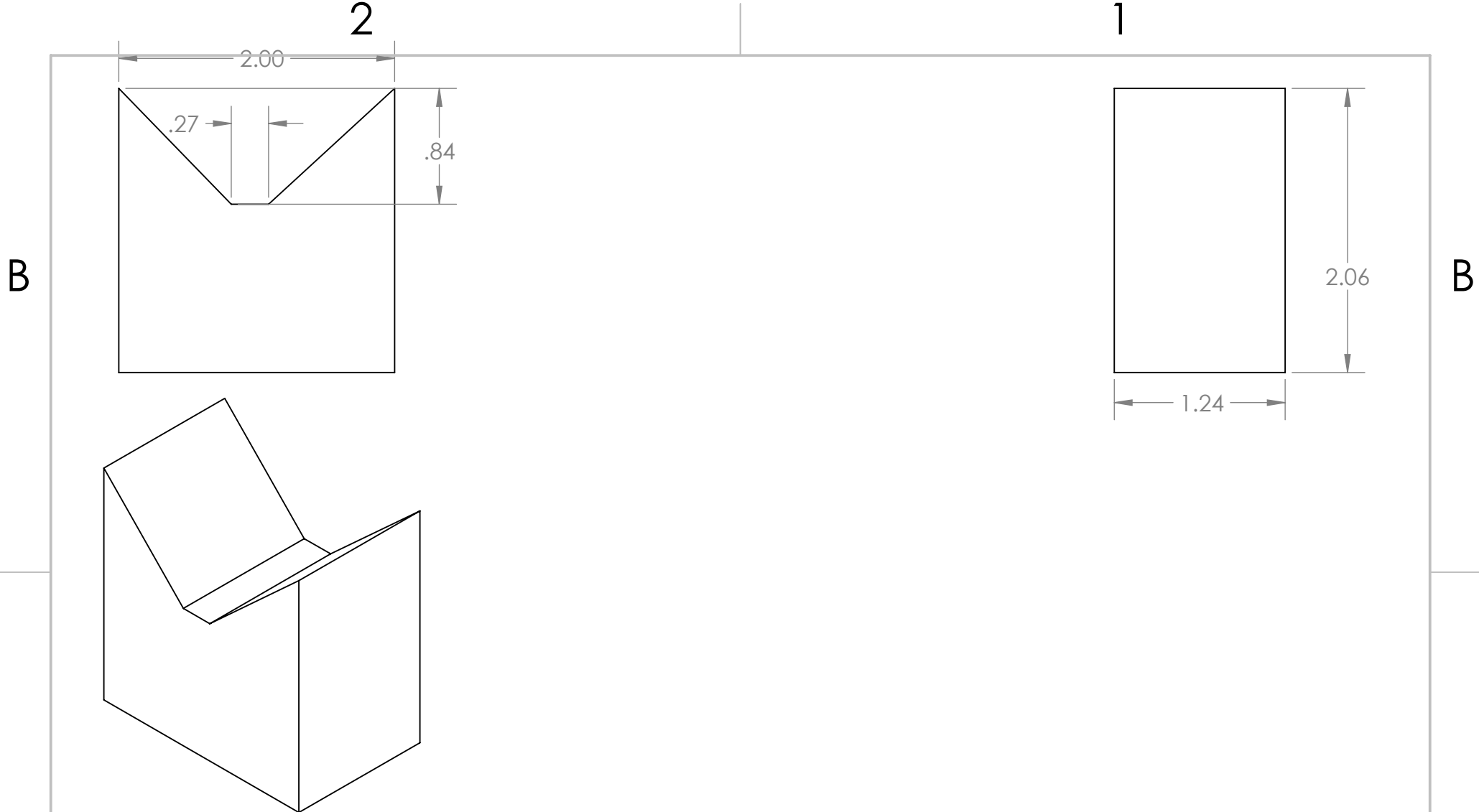
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		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Ball on Beam		
SIZE	DWG. NO.	REV
A	StentV2_P1_RB2	
SCALE: 2:1	WEIGHT:	SHEET 1 OF 1

2

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		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Ball on Beam		
SIZE	DWG. NO.	REV
1		
SCALE: 1:1		WEIGHT:
		SHEET 1 OF 1

Stepper Motor Block