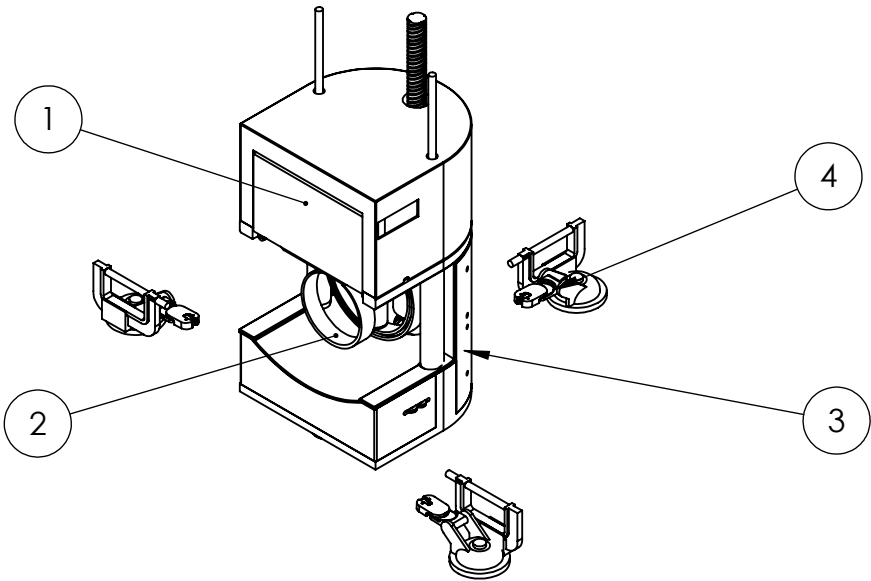


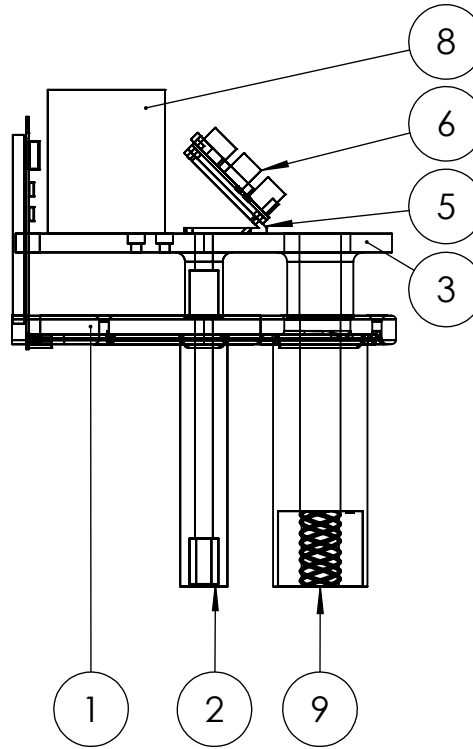
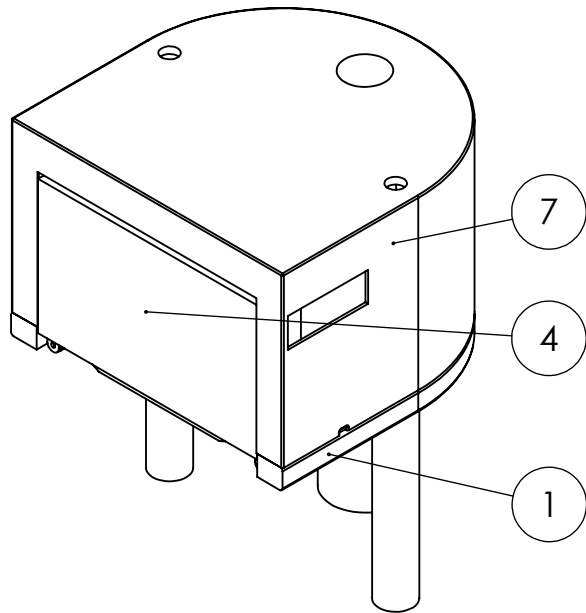
ITEM NO.	PART NUMBER	QTY.
1	Top Assembly	1
2	Handle Assembly	1
3	Lower Section	1
4	Anchor Assembly	3



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			DIMENSIONS ARE IN MILLIMETERS	DRAWN			
			TOLERANCES:	CHECKED			
			FRACTIONAL $\pm$	ENG APPR.			
			ANGULAR: MACH $\pm$ BEND $\pm$	MFG APPR.			
			TWO PLACE DECIMAL $\pm$	Q.A.			
			THREE PLACE DECIMAL $\pm$	COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:					
		MATERIAL					
		FINISH					
	NEXT ASSY	USED ON					
	APPLICATION		DO NOT SCALE DRAWING				

SIZE	DWG. NO.	REV
<b>A</b>	1	
SCALE: 1:12		WEIGHT:
		SHEET 1 OF 1

B



ITEM NO.	PART NUMBER	QTY.
1	Top Plate Final	1
2	Linear Bearing	2
3	Top Mounting Plate	1
4	Screen	1
5	Pi Mount	1
6	Raspberry Pi	1
7	Full Top Shell	1
8	Battery	1
9	Lead Nut	1

B

A

A

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN MILLIMETERS	DRAWN	JM	11/20/25
		TOLERANCES: NONE	CHECKED		
		FRACTIONAL $\pm$	ENG APPR.		
		ANGULAR: MACH $\pm$ BEND $\pm$	MFG APPR.		
		TWO PLACE DECIMAL $\pm$	Q.A.		
		THREE PLACE DECIMAL $\pm$	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

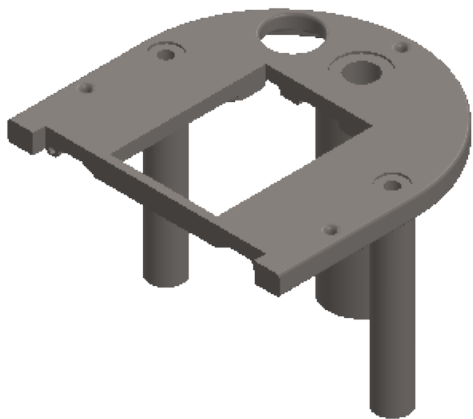
TITLE:

# Flying Squirrel Top Assembly

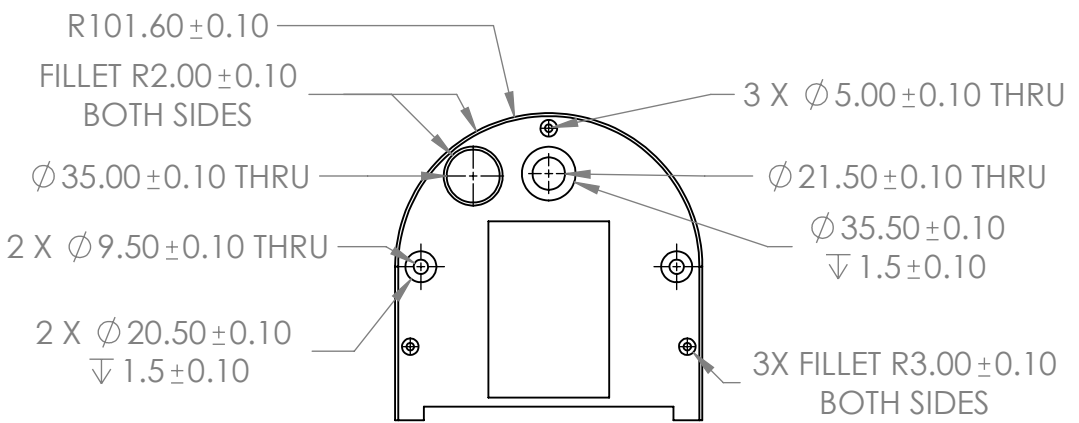
SIZE **A** DWG. NO. **T-0** REV

SCALE: 1:4 WEIGHT: SHEET 1 OF 1

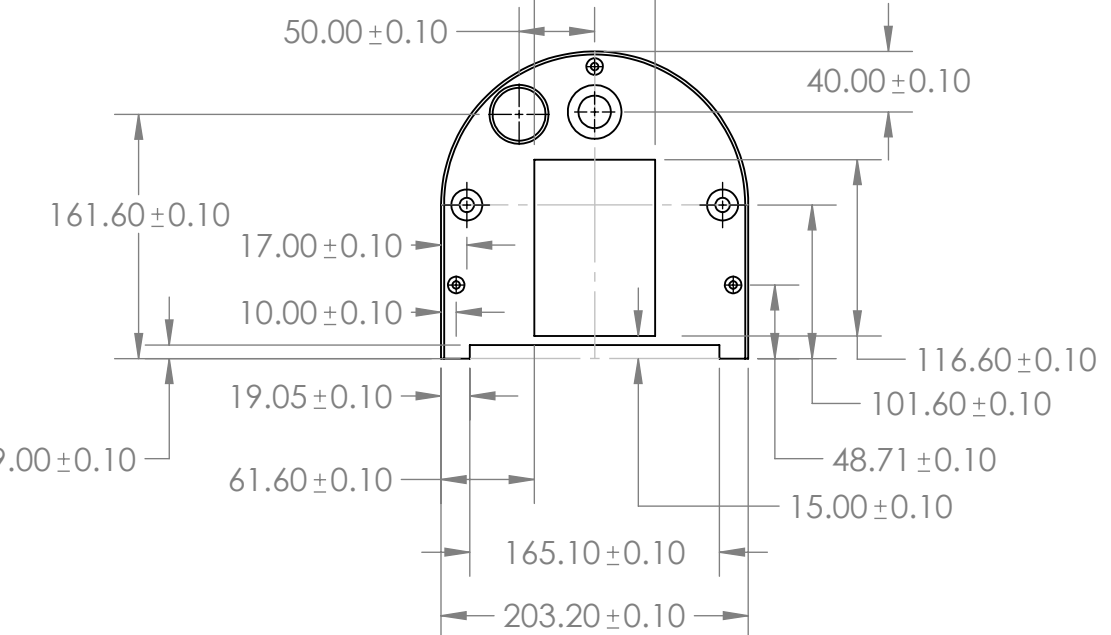
Isometric View



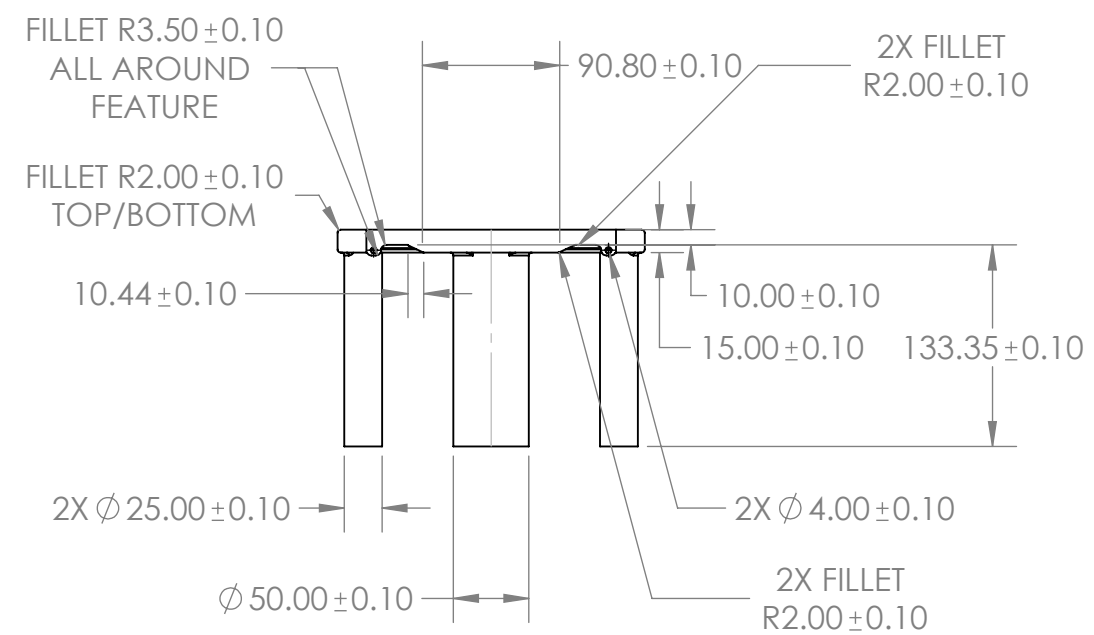
Top View 1



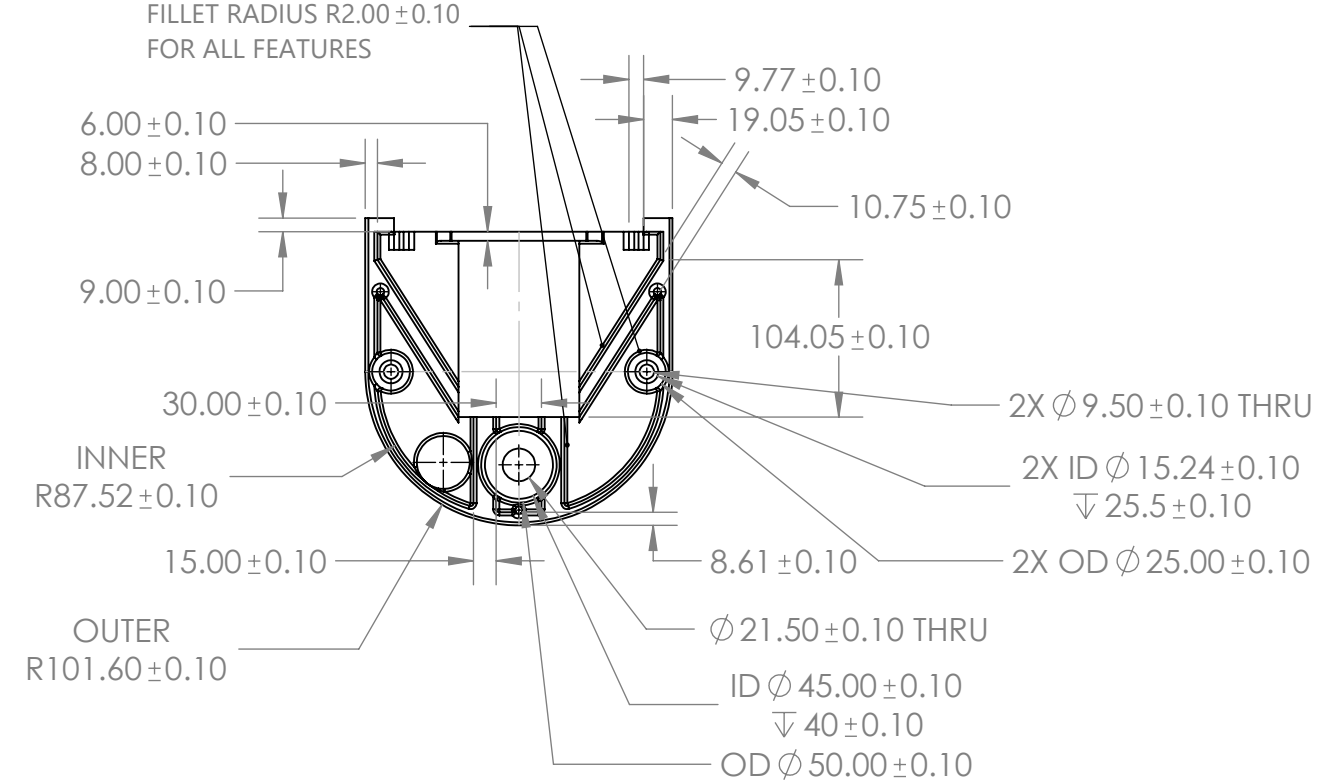
Top View 2



FRONT VIEW

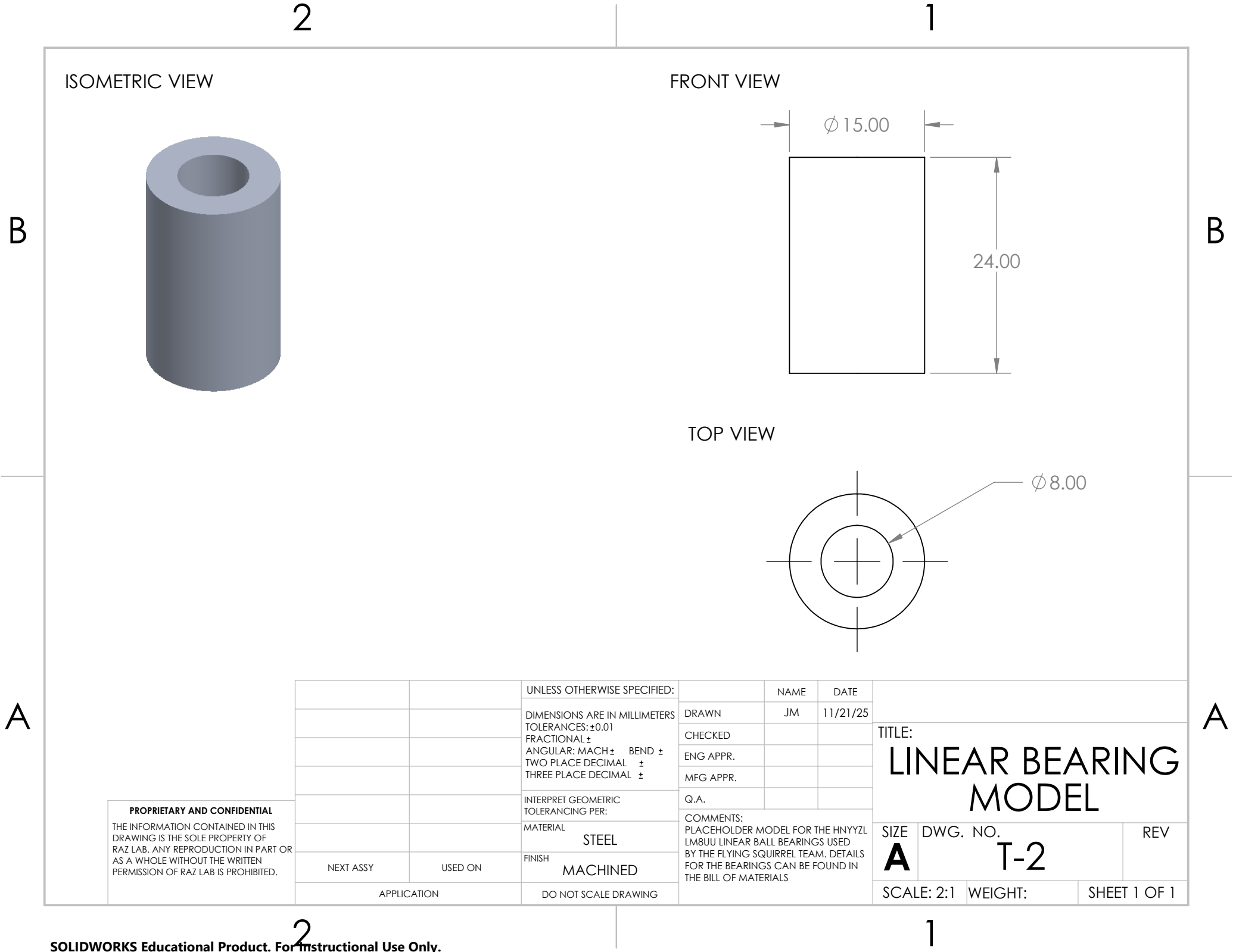


Bottom View



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: <div>FLYING SQUIRREL TOP PLATE</div>		
		DIMENSIONS ARE IN MILLIMETERS TOLERANCES: ±0.1 FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL    ± THREE PLACE DECIMAL    ±	DRAWN	JM	11/21/25			
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE    DWG. NO.    REV <div>B                    T-1</div>		
		MATERIAL	COMMENTS:					
		PLA						
		FINISH						
NEXT ASSY	USED ON	3D PRINTED				SCALE: 1:5	WEIGHT:	SHEET 1 OF 1
APPLICATION		DO NOT SCALE DRAWING						



ISOMETRIC VIEW

FRONT VIEW

TOP VIEW

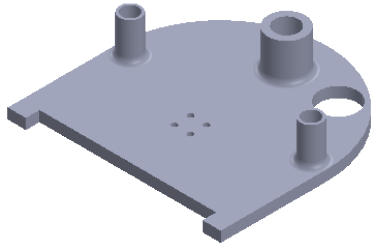
B

B

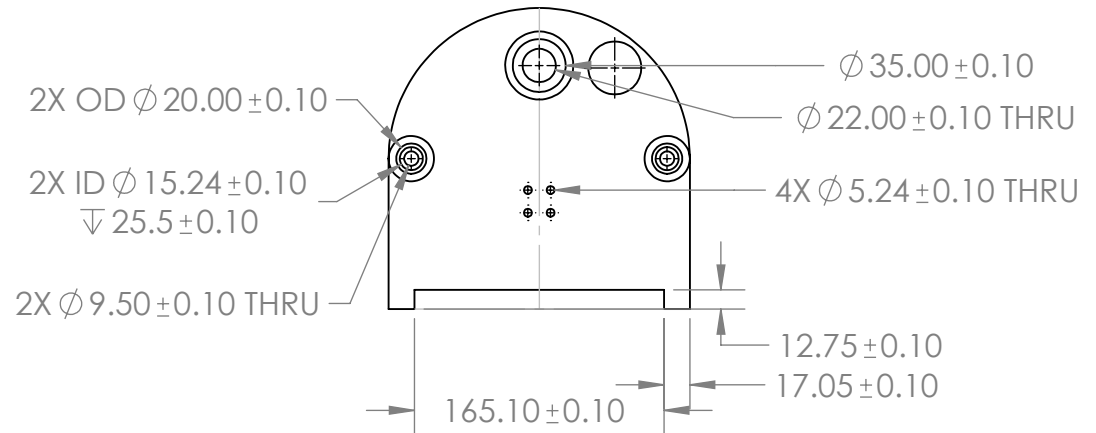
A

A

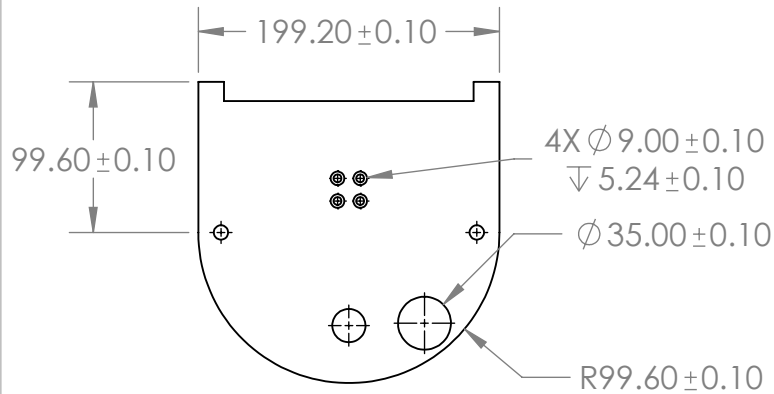
## ISOMETRIC VIEW



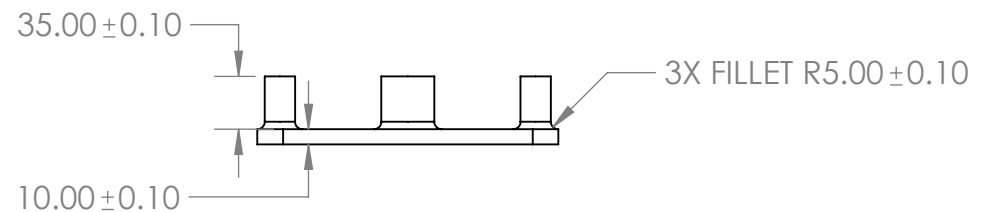
## TOP VIEW



## BOTTOM VIEW



## FRONT VIEW



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NEXT ASSY

USED ON

APPLICATION

## UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES:  $\pm 0.10$   
FRACTIONAL  $\pm$   
ANGULAR: MACH  $\pm$  BEND  $\pm$   
TWO PLACE DECIMAL  $\pm$   
THREE PLACE DECIMAL  $\pm$

INTERPRET GEOMETRIC  
TOLERANCING PER:

MATERIAL

PLA

FINISH

3D PRINTED

DO NOT SCALE DRAWING

NAME

DATE

DRAWN

JM

11/21/25

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:

TITLE:

FLYING SQUIRREL TOP  
MOUNTING PLATE

SIZE

A

DWG. NO.

T-3

REV

SCALE: 1:5

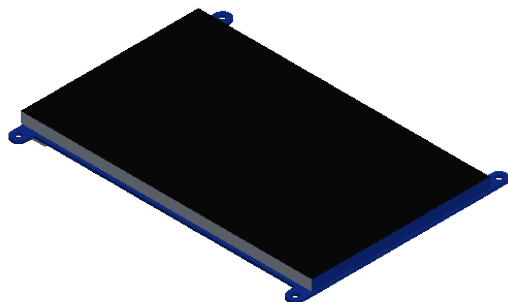
WEIGHT:

SHEET 1 OF 1

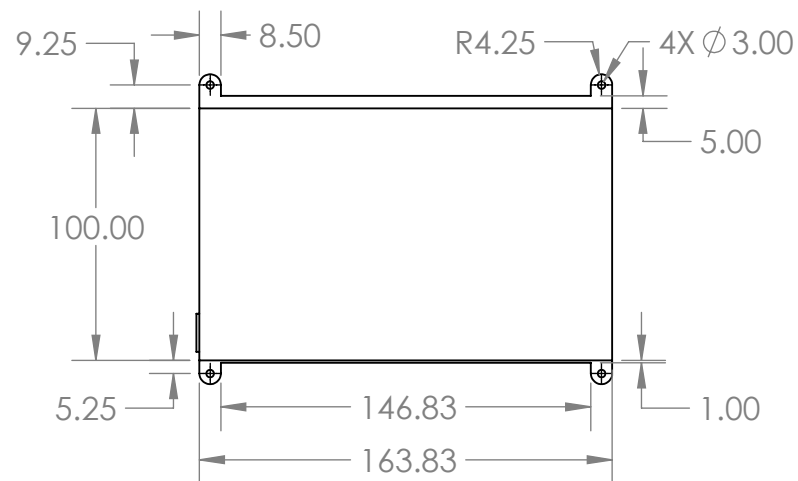
B

B

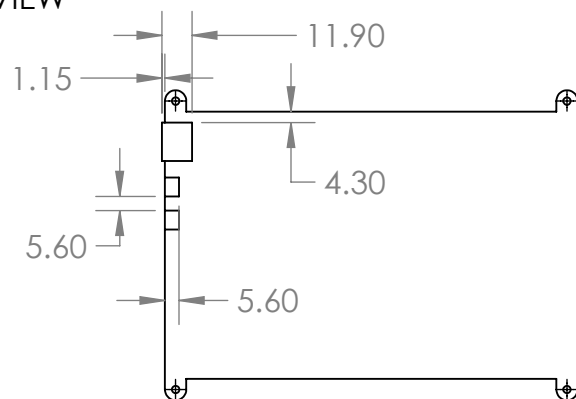
ISOMETRIC VIEW



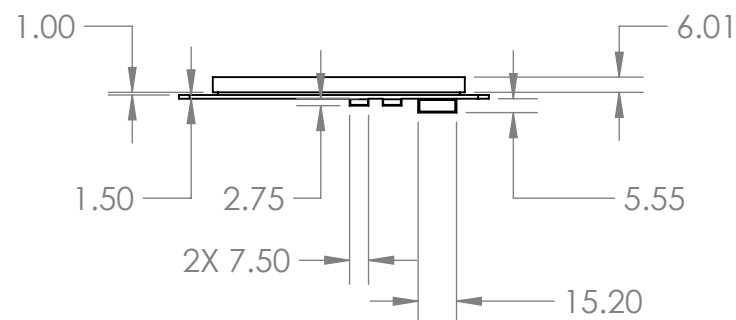
TOP VIEW



BOTTOM VIEW



LEFT VIEW



A

A

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USED ON

APPLICATION

## UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES: N/A  
FRACTIONAL  $\pm$   
ANGULAR: MACH  $\pm$  BEND  $\pm$   
TWO PLACE DECIMAL  $\pm$   
THREE PLACE DECIMAL  $\pm$

INTERPRET GEOMETRIC  
TOLERANCING PER:

MATERIAL

FINISH

DO NOT SCALE DRAWING

NAME

DATE

DRAWN

JM

11/21/25

CHECKED

ENG APPR.

MFG APPR.

Q.A.

## COMMENTS:

THIS IS A PLACEHOLDER MODEL FOR  
THE WAVESHARE 7IN HDMI LCD TOUCH  
SCREEN USED BY THE FLYING SQUIRREL  
TEAM

TITLE:

# TOUCH SCREEN MODEL

SIZE

**A**

DWG. NO.

**T-4**

REV

SCALE: 1:3

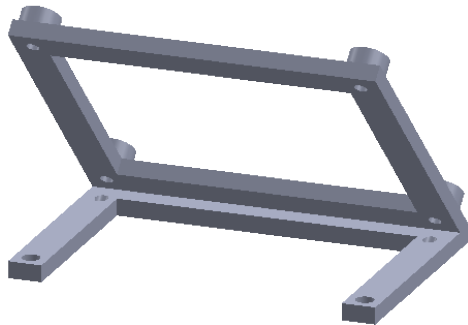
WEIGHT:

SHEET 1 OF 1

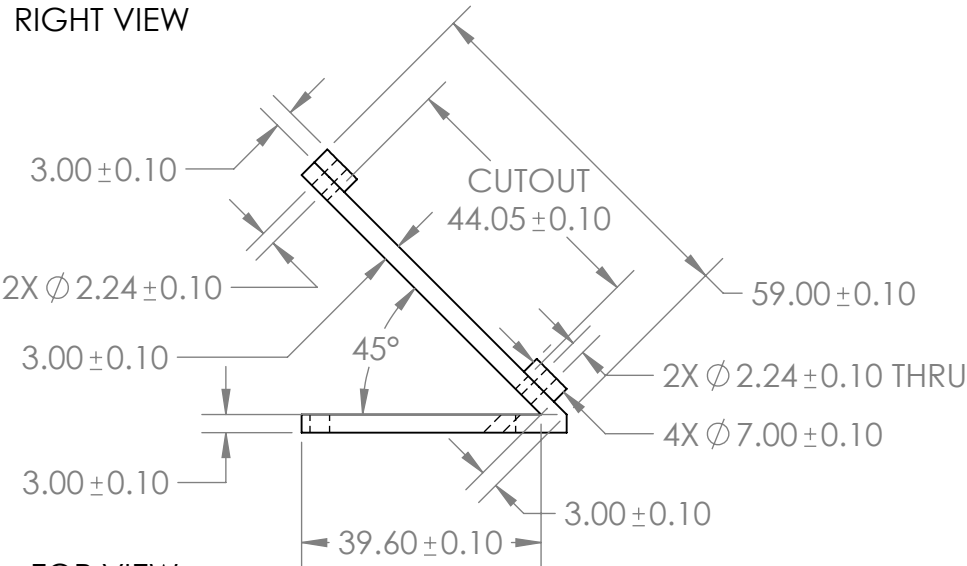
2

1

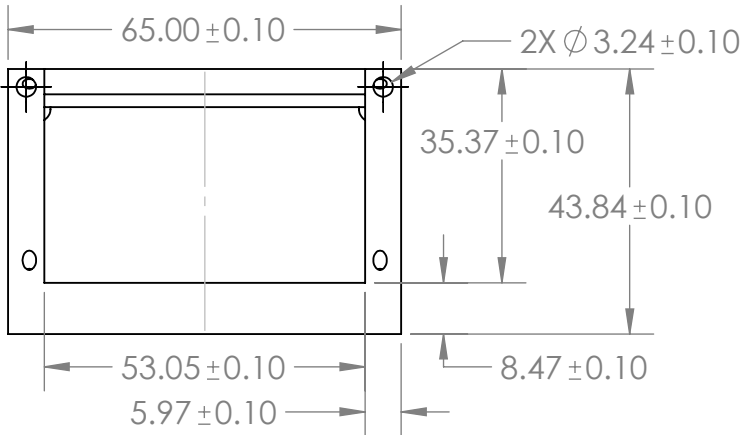
DIMETRIC VIEW



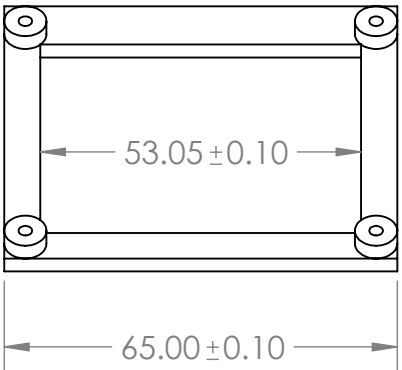
RIGHT VIEW



BOTTOM VIEW



TOP VIEW



A

A

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN MILLIMETERS	DRAWN	JM	11/21/25
		TOLERANCES: ±0.10	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		PLA			
		FINISH			
		3D PRINTED			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:  
**RASPBERRY PI 45  
DEG. MOUNT**

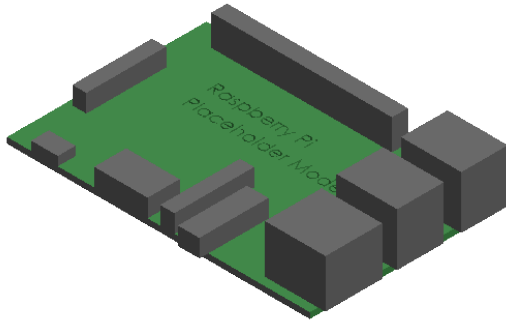
SIZE	DWG. NO.	REV
<b>A</b>	<b>T-5</b>	
SCALE: 1:1.25		WEIGHT:
		SHEET 1 OF 1

2

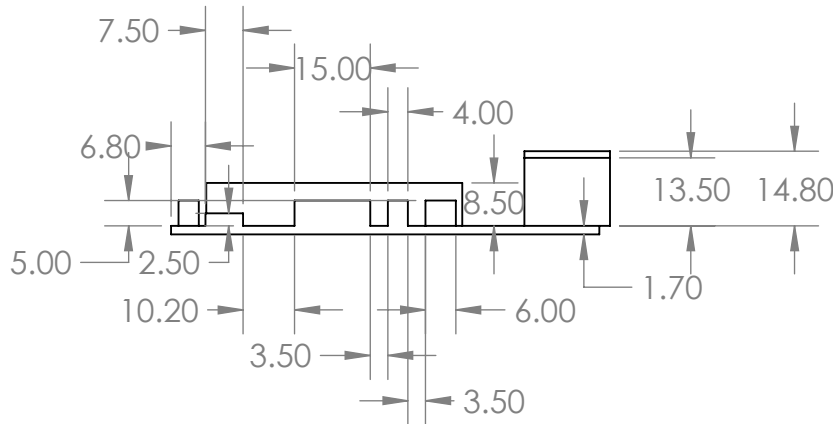
1

B

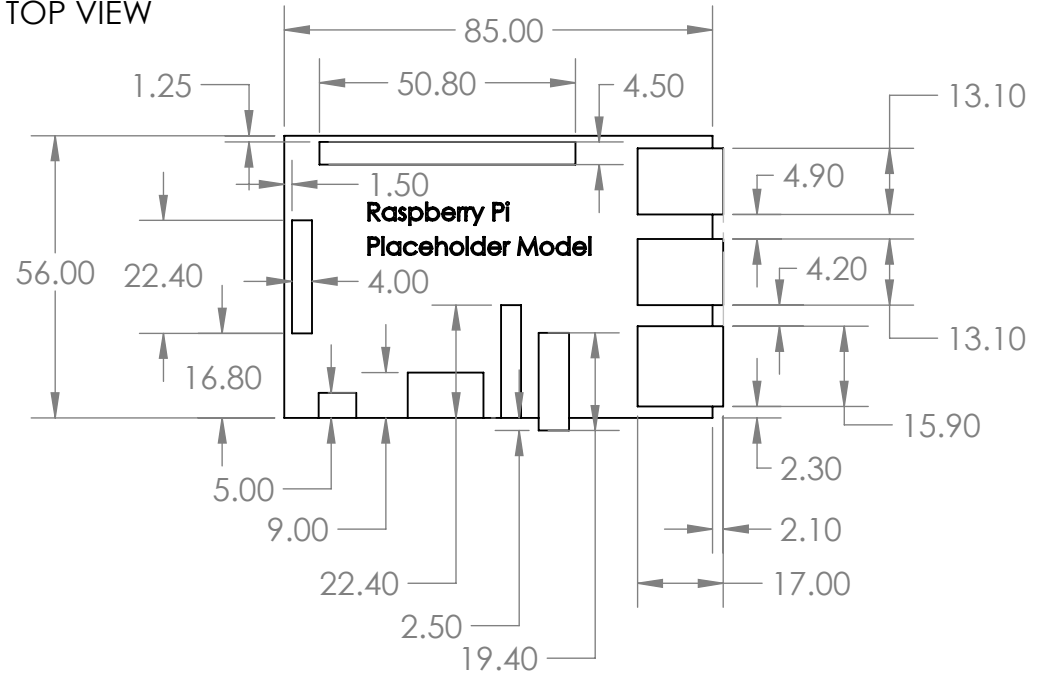
## ISOMETRIC VIEW



## FRONT VIEW



## TOP VIEW



B

A

A

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NEXT ASSY

USED ON

APPLICATION

## UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES: N/A  
FRACTIONAL  $\pm$   
ANGULAR: MACH  $\pm$  BEND  $\pm$   
TWO PLACE DECIMAL  $\pm$   
THREE PLACE DECIMAL  $\pm$

INTERPRET GEOMETRIC  
TOLERANCING PER:

MATERIAL

FINISH

DO NOT SCALE DRAWING

NAME

DATE

DRAWN

JM

11/21/25

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:  
THIS IS THE PLACEHOLDER MODEL FOR  
THE RASPBERRY PI 5 BOARD USED BY THE  
FLYING SQUIRREL TEAM.

TITLE:

# RASPBERRY PI MODEL

SIZE

**A**

DWG. NO.

**T-6**

REV

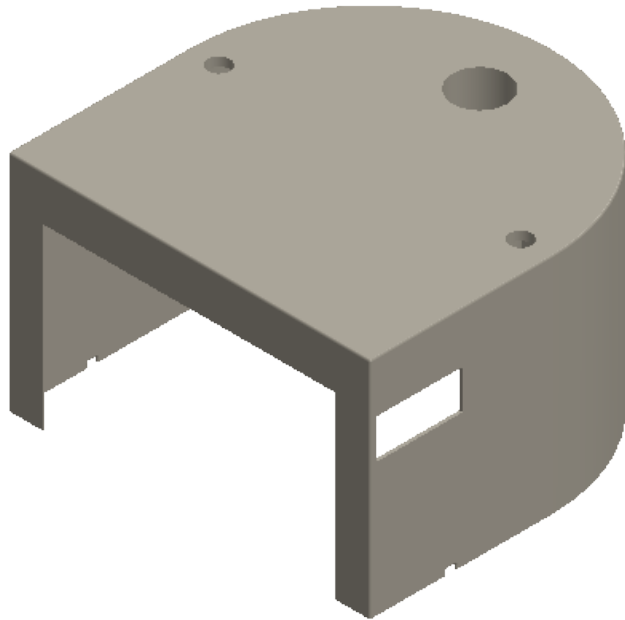
SCALE: 1:1.5

WEIGHT:

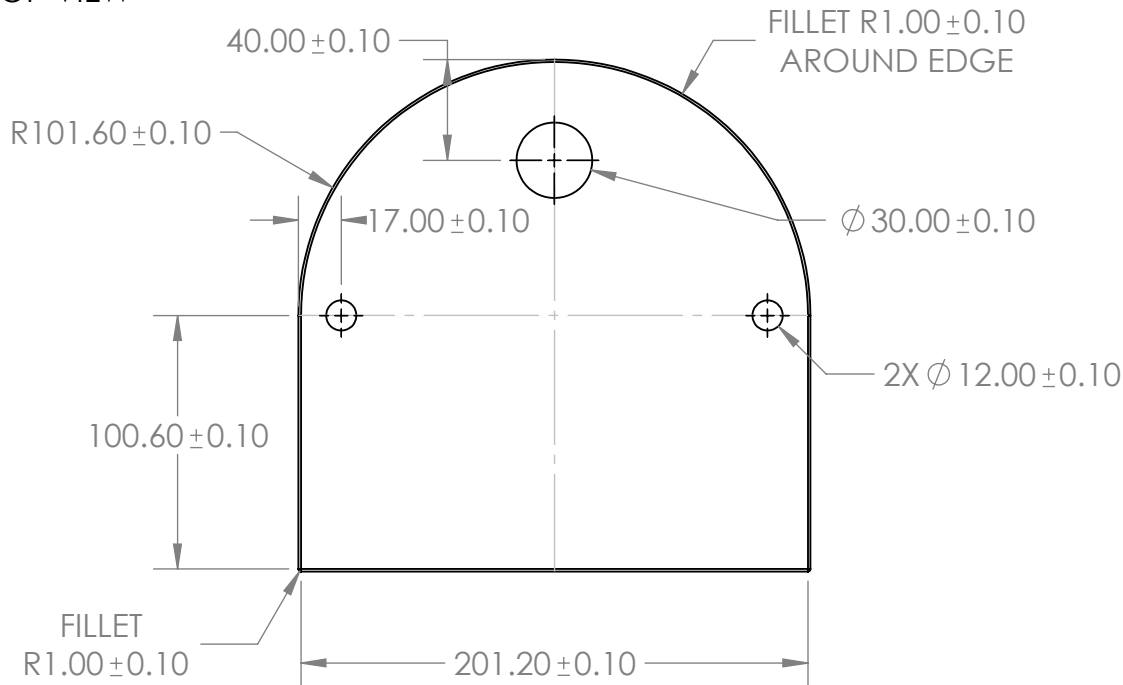
SHEET 1 OF 1



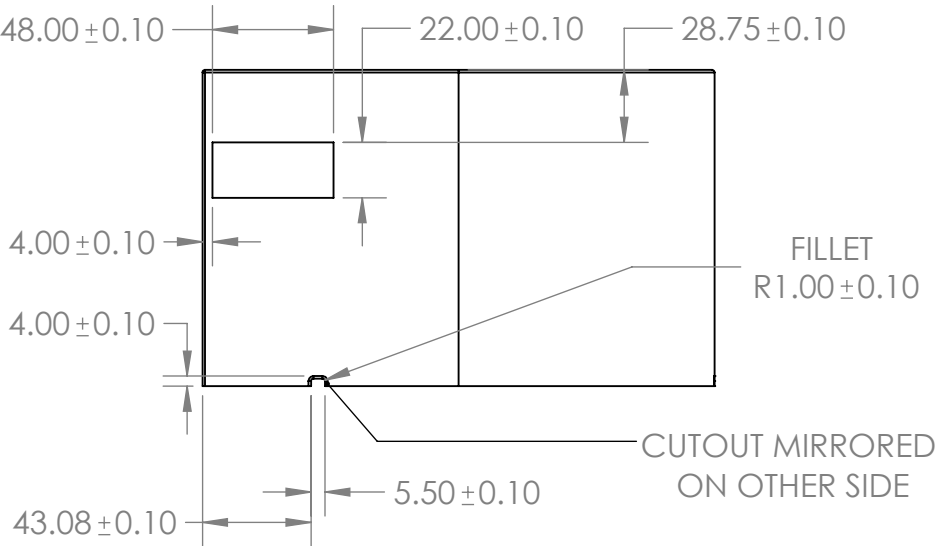
ISOMETRIC VIEW



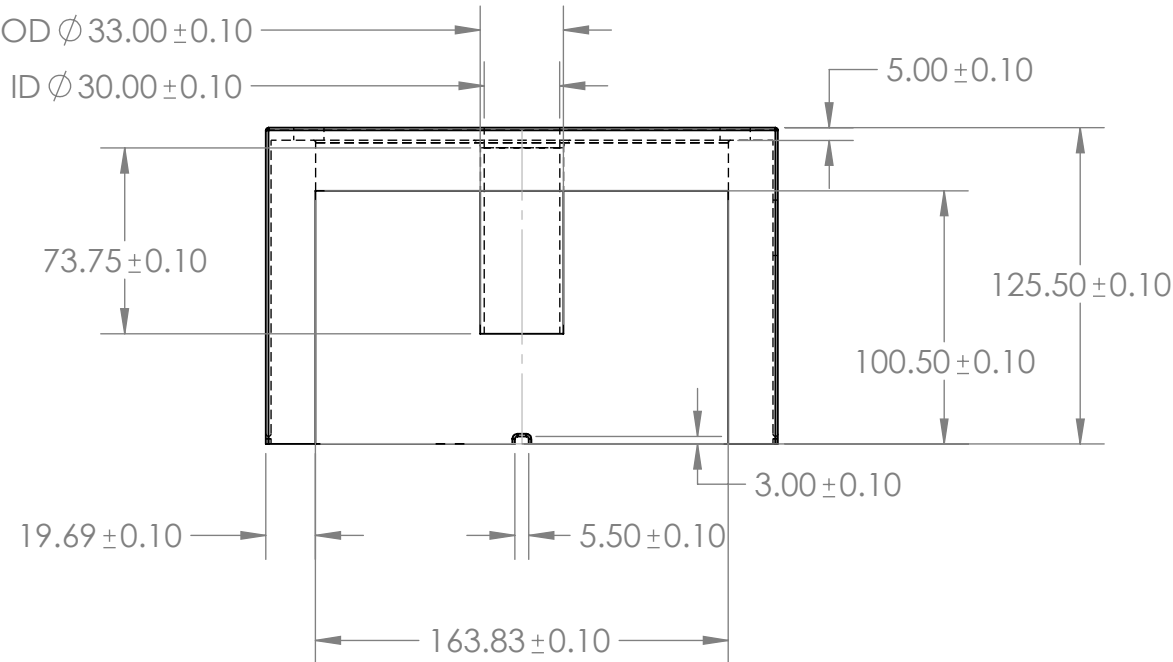
TOP VIEW



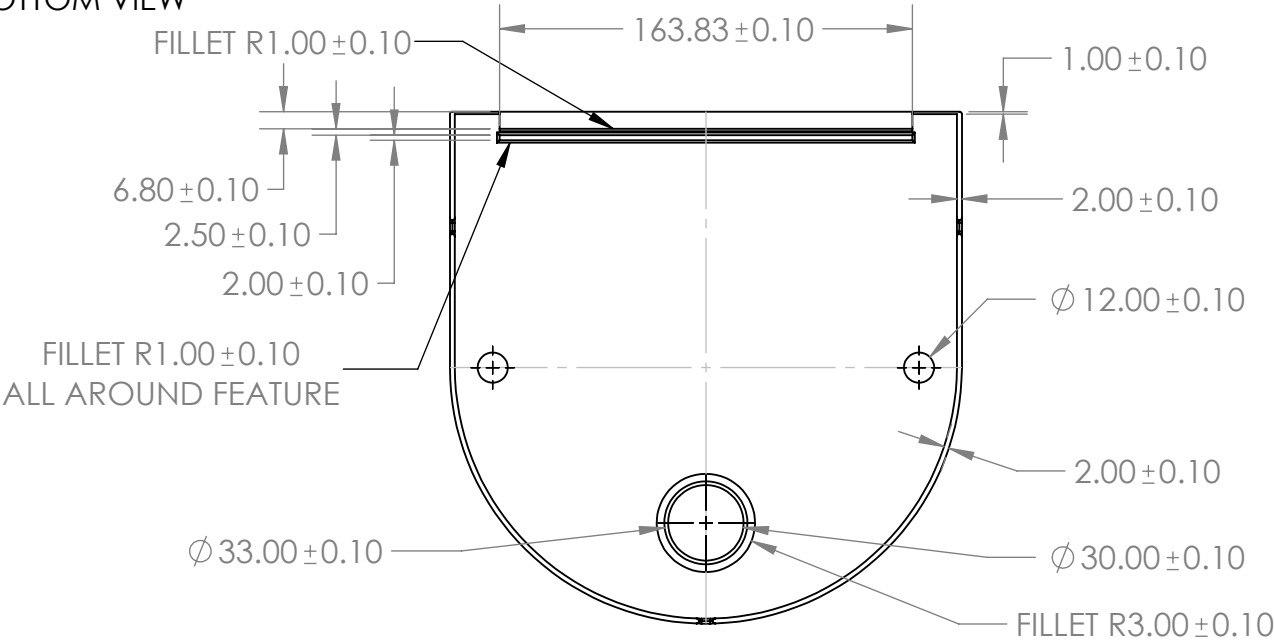
RIGHT VIEW



FRONT VIEW



BOTTOM VIEW



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DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES: ±0.10  
FRACTIONAL ±  
ANGULAR: MACH ± BEND ±  
TWO PLACE DECIMAL ±  
THREE PLACE DECIMAL ±

INTERPRET GEOMETRIC  
TOLERANCING PER:

MATERIAL  
PLA

FINISH  
3D PRINTED

DO NOT SCALE DRAWING

NAME  
JM

DATE  
11/21/25

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:

TITLE:  
**FLYING SQUIRREL  
TOP SHELL**

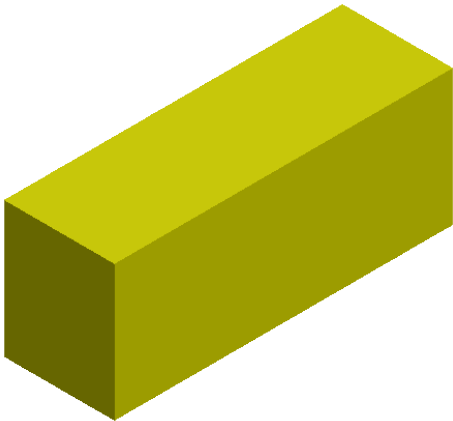
SIZE  
**B**

DWG. NO.  
**T-7**

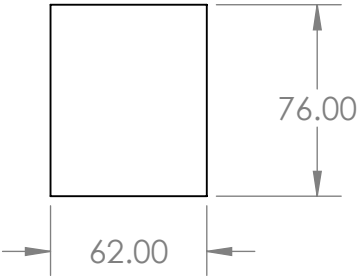
REV

SCALE: 1:3 WEIGHT: SHEET 1 OF 1

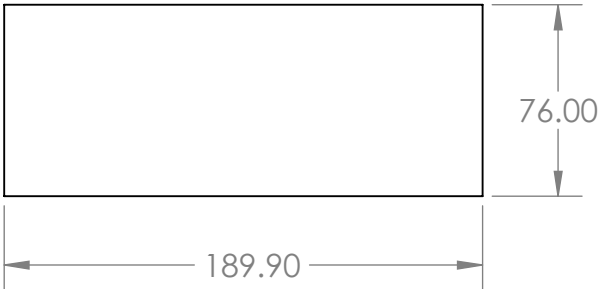
ISOMETRIC VIEW



FRONT VIEW



RIGHT VIEW



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: <div>BATTERY MODEL</div>		
		DIMENSIONS ARE IN MILLIMETERS	DRAWN	JM	11/21/25			
		TOLERANCES: N/A	CHECKED					
		FRACTIONAL ±	ENG APPR.					
		ANGULAR: MACH ±    BEND ±	MFG APPR.					
		TWO PLACE DECIMAL    ±				SIZE    DWG. NO.    REV <div>A    </div>		

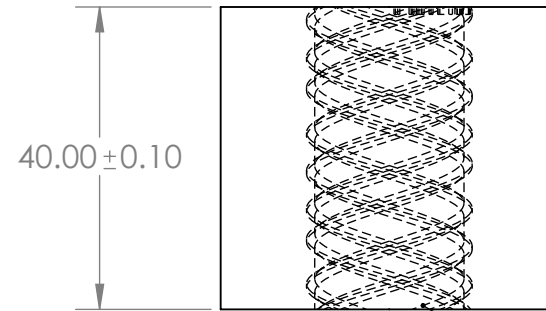
B

B

ISOMETRIC VIEW



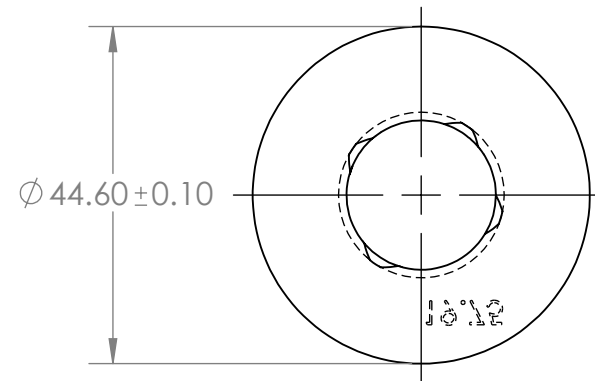
FRONT VIEW



LEAD NUT SPECS:

- 20mm ID
- 20mm PITCH
- 4 START
- 0.10 mm TOLERANCE

TOP VIEW

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NEXT ASSY

USED ON

APPLICATION

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TOLERANCES:  $\pm 0.10$   
FRACTIONAL  $\pm$   
ANGULAR: MACH  $\pm$  BEND  $\pm$   
TWO PLACE DECIMAL  $\pm$   
THREE PLACE DECIMAL  $\pm$

INTERPRET GEOMETRIC  
TOLERANCING PER:

MATERIAL

PLA

FINISH

3D PRINTED

DO NOT SCALE DRAWING

NAME

JM

DATE

11/21/25

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:

TITLE:

# FLYING SQUIRREL LEAD NUT

SIZE

**A**

DWG. NO.

**T-9**

REV

SCALE: 1:1

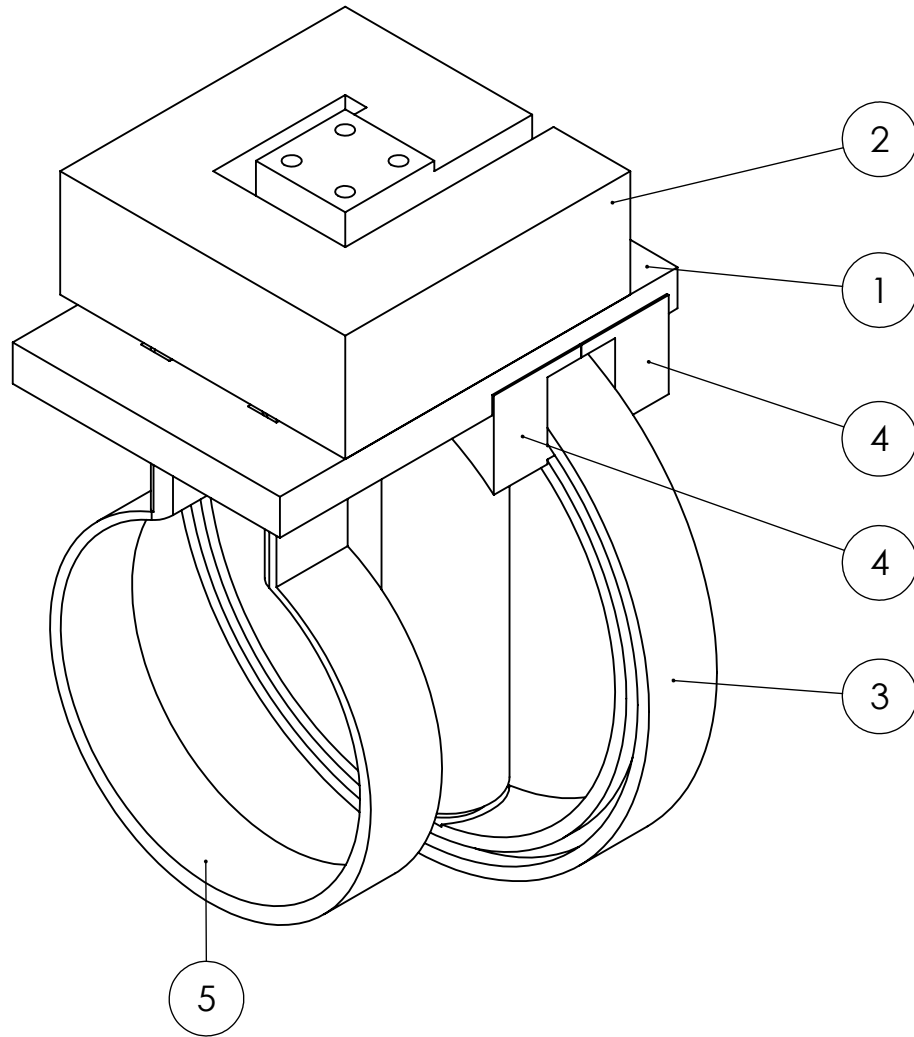
WEIGHT:

SHEET 1 OF 1

A

B

A



1

ITEM NO.	PART NUMBER	QTY.
1	Handle Plate	1
2	Load Cell	1
3	Handle	1
4	Handle Mount	2
5	Wrist Strap	1

B

A

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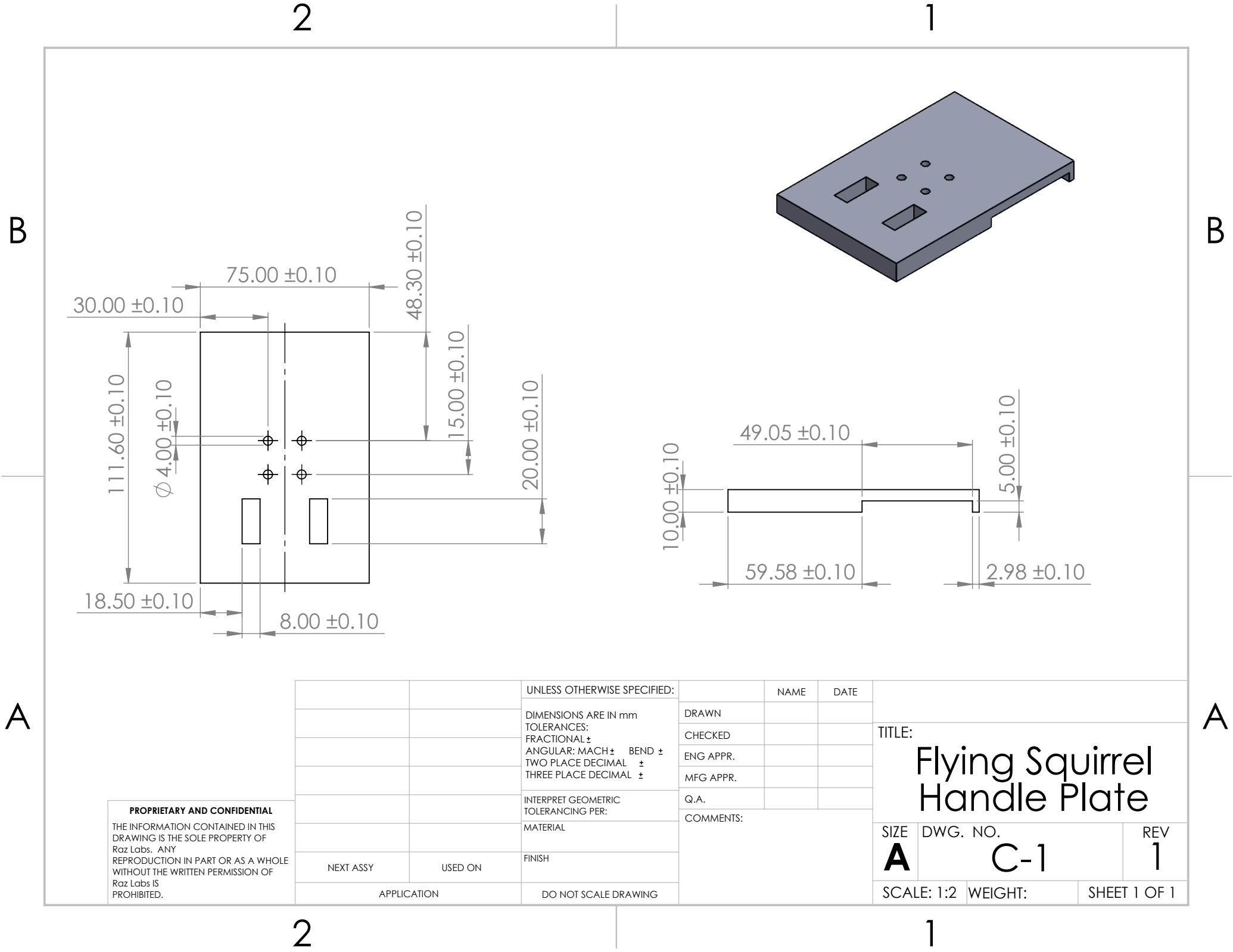
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN MILLIMETERS	DRAWN	JM	11/20/25
		TOLERANCES: NONE	CHECKED		
		FRACTIONAL $\pm$	ENG APPR.		
		ANGULAR: MACH $\pm$ BEND $\pm$	MFG APPR.		
		TWO PLACE DECIMAL $\pm$	Q.A.		
		THREE PLACE DECIMAL $\pm$	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:  
**Flying Squirrel  
Handle Assembly**

SIZE	DWG. NO.	REV
<b>A</b>	<b>2</b>	
SCALE: 1:1.5	WEIGHT:	SHEET 1 OF 1

2

1



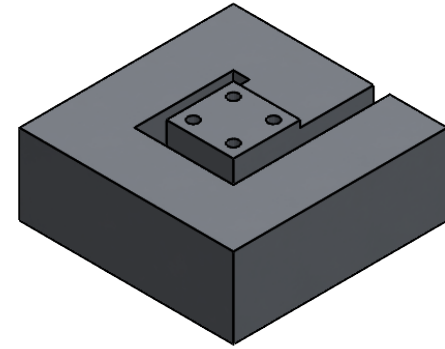
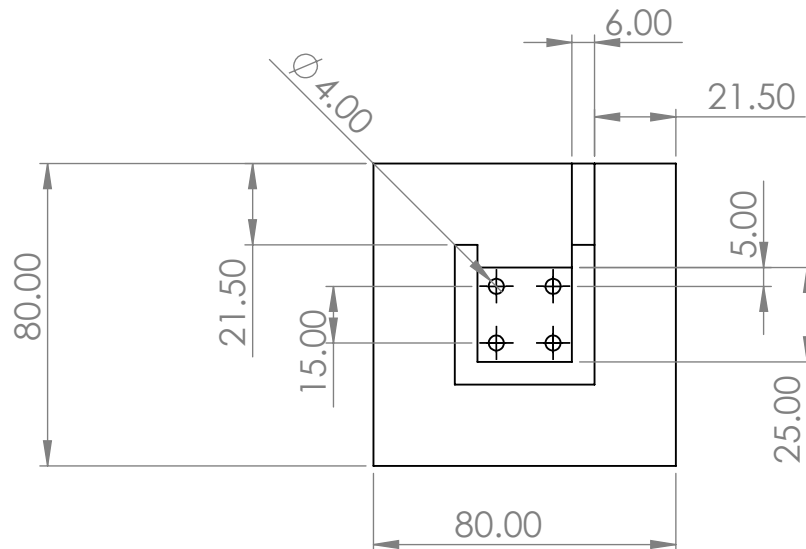
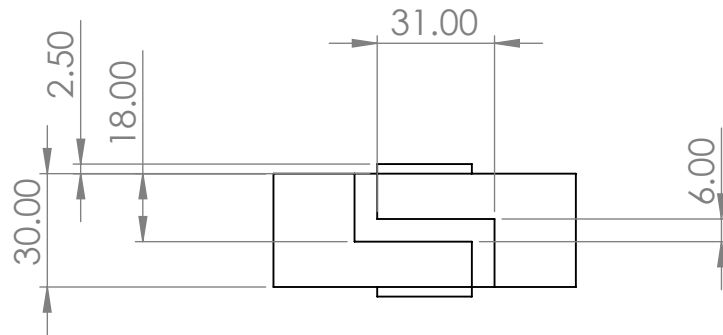
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		UNLESS OTHERWISE SPECIFIED:
		DIMENSIONS ARE IN mm
		TOLERANCES:
		FRACTIONAL ±
		ANGULAR: MACH ± BEND ±
		TWO PLACE DECIMAL ±
		THREE PLACE DECIMAL ±
		INTERPRET GEOMETRIC
		TOLERANCING PER:
		MATERIAL
NEXT ASSY	USED ON	FINISH
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN		
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

TITLE:		
Flying Squirrel Handle Plate		
SIZE	DWG. NO.	REV
A	C-1	1
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

B



B

A

A

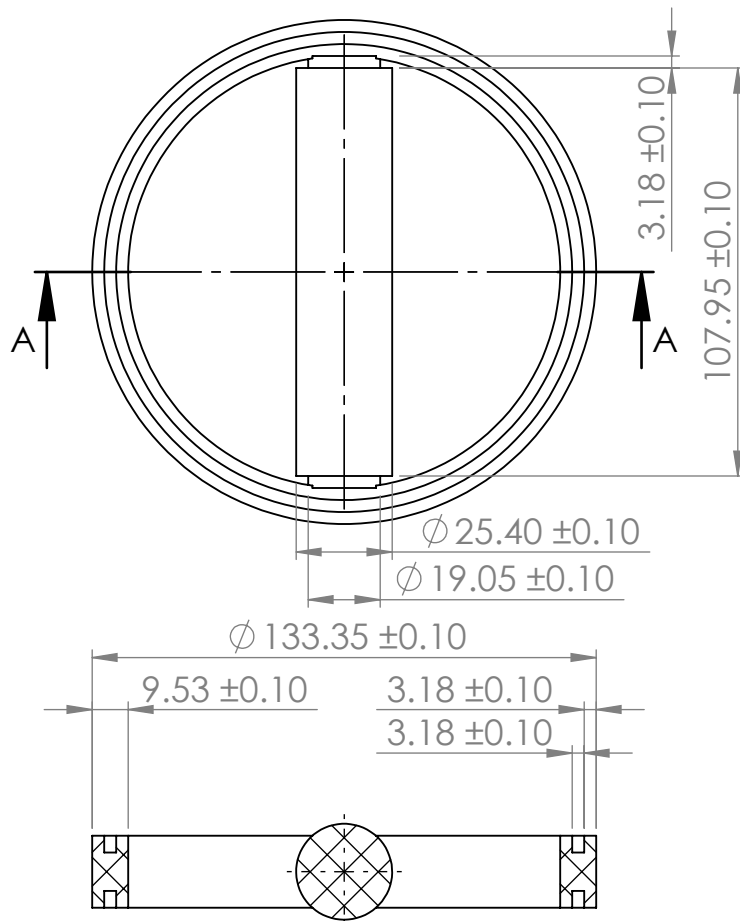
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PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: <div>Flying Squirrel Load Cell</div>		
		DIMENSIONS ARE IN mm	DRAWN					
		TOLERANCES: FRACTIONAL ±	CHECKED					
		ANGULAR: MACH±    BEND ±	ENG APPR.					
		TWO PLACE DECIMAL    ±	MFG APPR.					
		THREE PLACE DECIMAL    ±	Q.A.			SIZE    DWG. NO.    REV <div>A                    C-2                    1</div>		
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS: This model is a stand-in for the HTC TAS3Z load cell					
		MATERIAL						
		FINISH						
NEXT ASSY	USED ON					SCALE: 1:2    WEIGHT:    SHEET 1 OF 1		
APPLICATION		DO NOT SCALE DRAWING						

2

1

B



SECTION A-A



B

A

A

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: <b>Flying Squirrel Handle</b>		
		DIMENSIONS ARE IN mm	DRAWN					
		TOLERANCES:	CHECKED					
		FRACTIONAL $\pm$	ENG APPR.					
		ANGULAR: MACH $\pm$ BEND $\pm$	MFG APPR.					
		TWO PLACE DECIMAL $\pm$	Q.A.			SIZE	DWG. NO.	REV
		THREE PLACE DECIMAL $\pm$	COMMENTS:			<b>A</b>	<b>C-3</b>	<b>1</b>
		INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:2	WEIGHT:	SHEET 1 OF 1
		MATERIAL						
		FINISH						
	NEXT ASSY	USED ON						
	APPLICATION		DO NOT SCALE DRAWING					

2

1

B

B

A

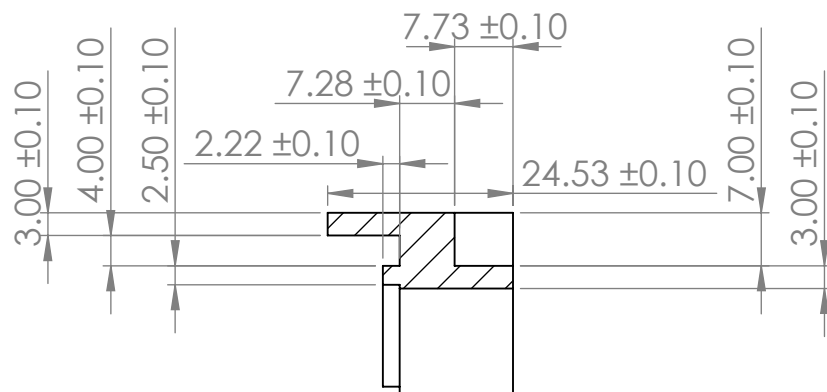
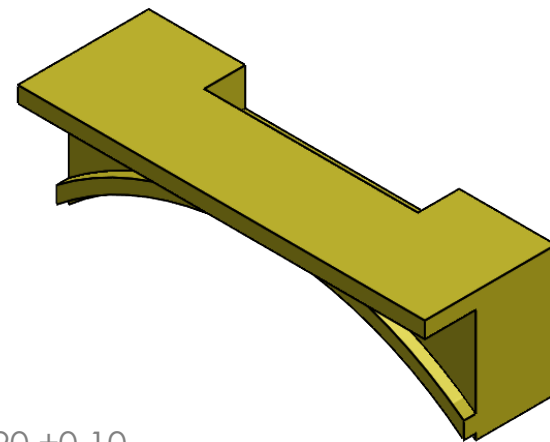
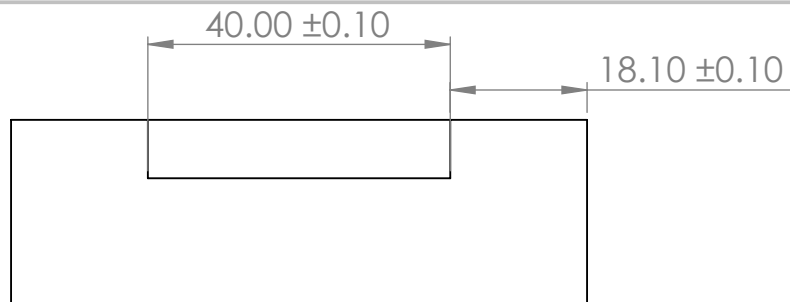
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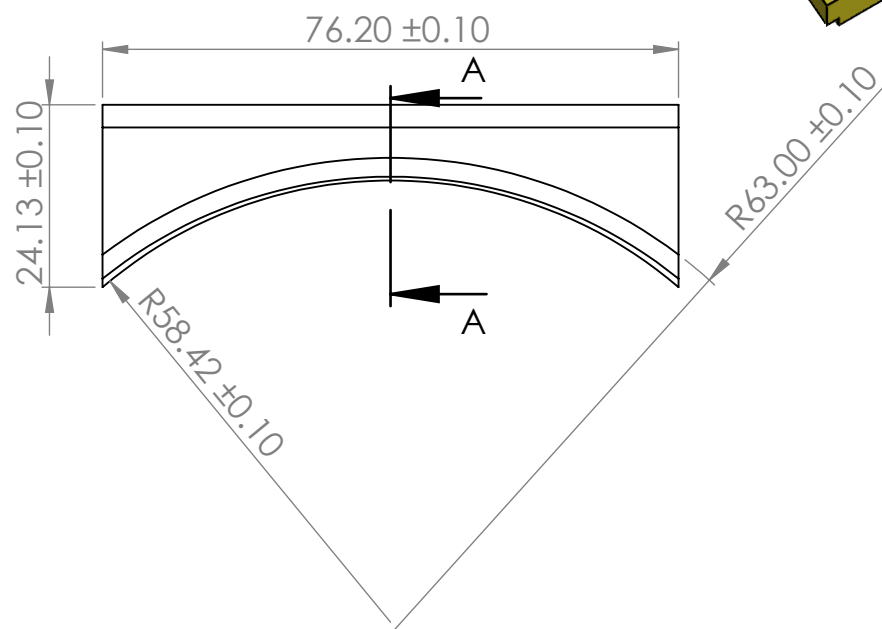
1

2

1



SECTION A-A



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		UNLESS OTHERWISE SPECIFIED:
		DIMENSIONS ARE IN mm
		TOLERANCES:
		FRACTIONAL ±
		ANGULAR: MACH ± BEND ±
		TWO PLACE DECIMAL ±
		THREE PLACE DECIMAL ±
		INTERPRET GEOMETRIC
		TOLERANCING PER:
		MATERIAL
NEXT ASSY	USED ON	FINISH
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN		
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

TITLE:

# Flying Squirrel Handle Mount

SIZE	DWG. NO.	REV
<b>A</b>	<b>C-4</b>	<b>1</b>
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

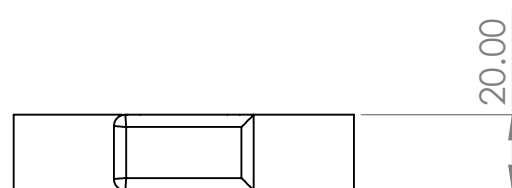
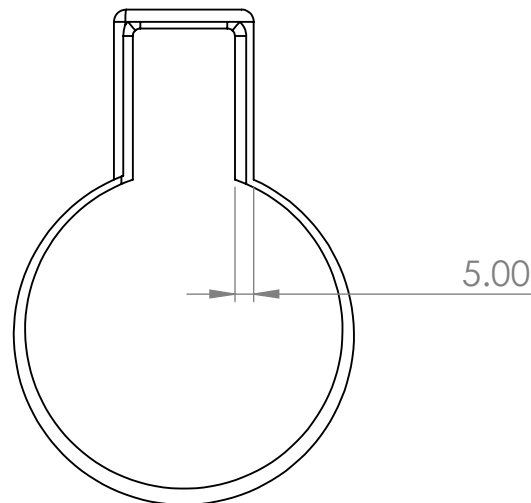


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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: <div>Flying Squirrel Strap</div>		
		DIMENSIONS ARE IN mm TOLERANCES: FRACTIONAL ± ANGULAR: MACH ±    BEND ± TWO PLACE DECIMAL    ± THREE PLACE DECIMAL    ±	DRAWN					
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE <b>A</b>	DWG. NO. <b>C-5</b>	REV <b>1</b>
		MATERIAL	COMMENTS: This model is a stand-in for a basic adjustable wrist strap, and dimensions besides approximate length, width, and thickness are immaterial					
		FINISH						
NEXT ASSY	USED ON							
APPLICATION		DO NOT SCALE DRAWING						

2

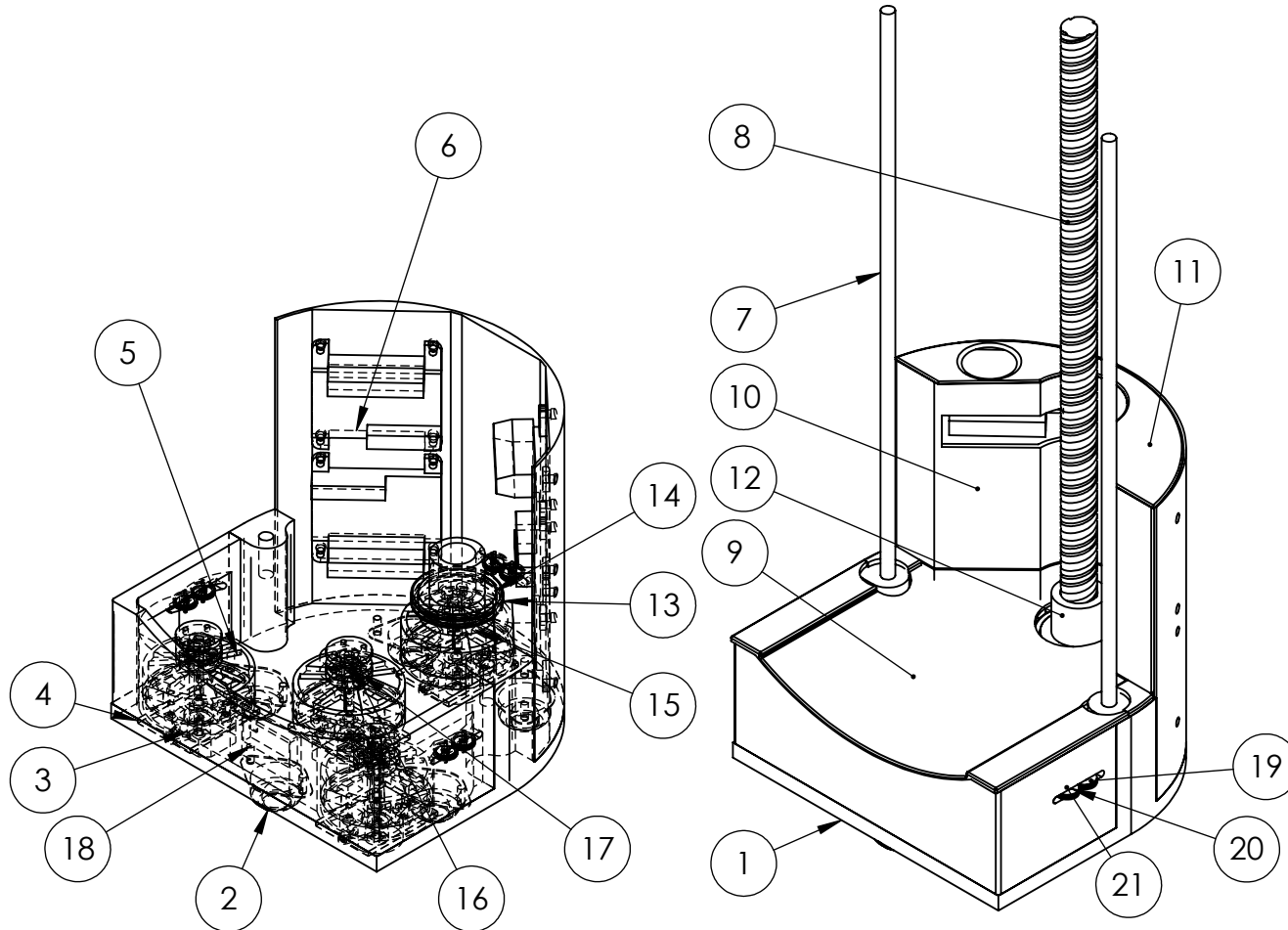
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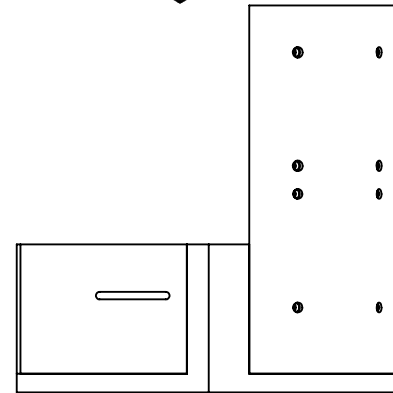
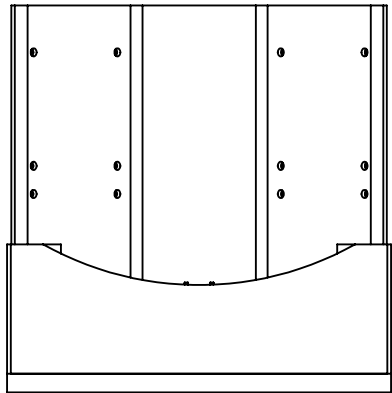
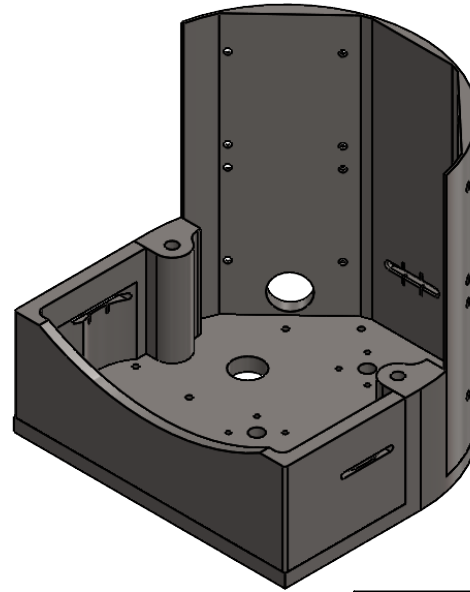
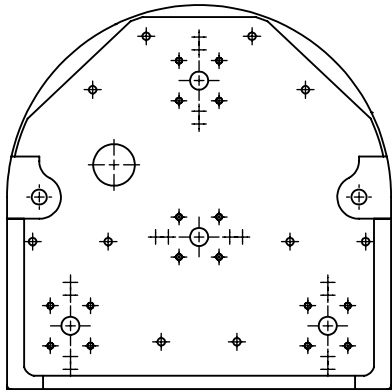


ITEM NO.	PART NUMBER	QTY.
1	Full Base Plate	1
2	Roller/Caster	5
3	Encoder	4
4	Encoder Bracket	4
5	Motor	4
6	Motor Driver	4
7	Support Bar	2
8	Lead Screw	1
9	Lower Cover	1
10	Motor Driver Cover	1
11	Rear Wall Lid	1
12	Coupler	1
13	Coupler Pulley	1
14	Coupler Bearing	1
15	Coupler Spacer	1
16	Cable Pulley	3
17	Cable Pulley Mount	3
18	Teensy	1
19	Guide Pulley	6
20	Guide Pulley Bearing	6
21	Guide Pulley Shaft	6

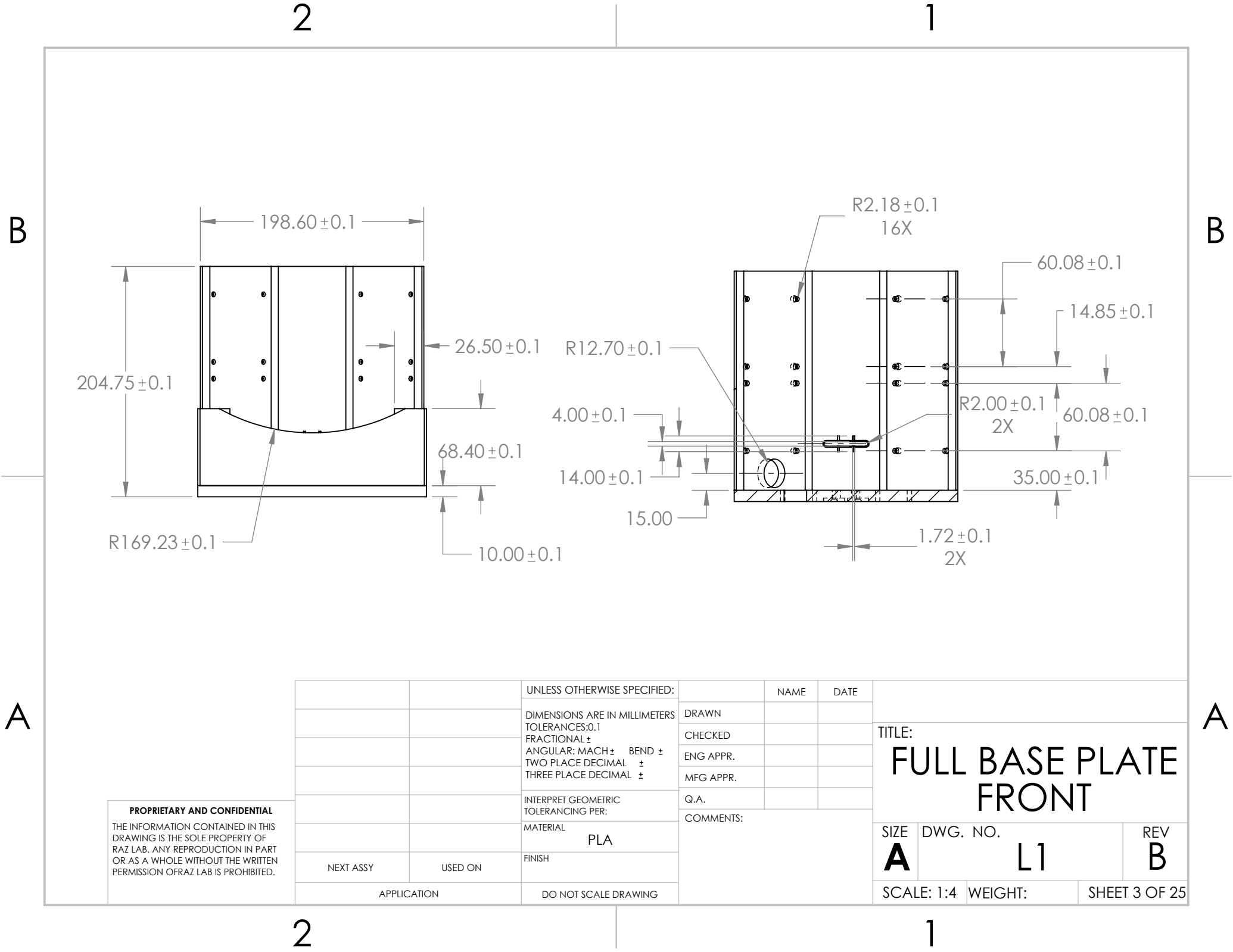
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		UNLESS OTHERWISE SPECIFIED:			NAME	DATE
		DIMENSIONS ARE IN MILLIMETERS	DRAWN			
		TOLERANCES:	CHECKED			
		FRACTIONAL ±	ENG APPR.			
		ANGULAR: MACH ± BEND ±	MFG APPR.			
		TWO PLACE DECIMAL ±	Q.A.			
		THREE PLACE DECIMAL ±	COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				
		MATERIAL				
		FINISH				
NEXT ASSY	USED ON					
APPLICATION		DO NOT SCALE DRAWING				

TITLE:			
Flying Squirrel Lower Assembly			
SIZE	DWG. NO.	REV	
A	L0		
SCALE: 1:4	WEIGHT:	SHEET 1 OF 25	

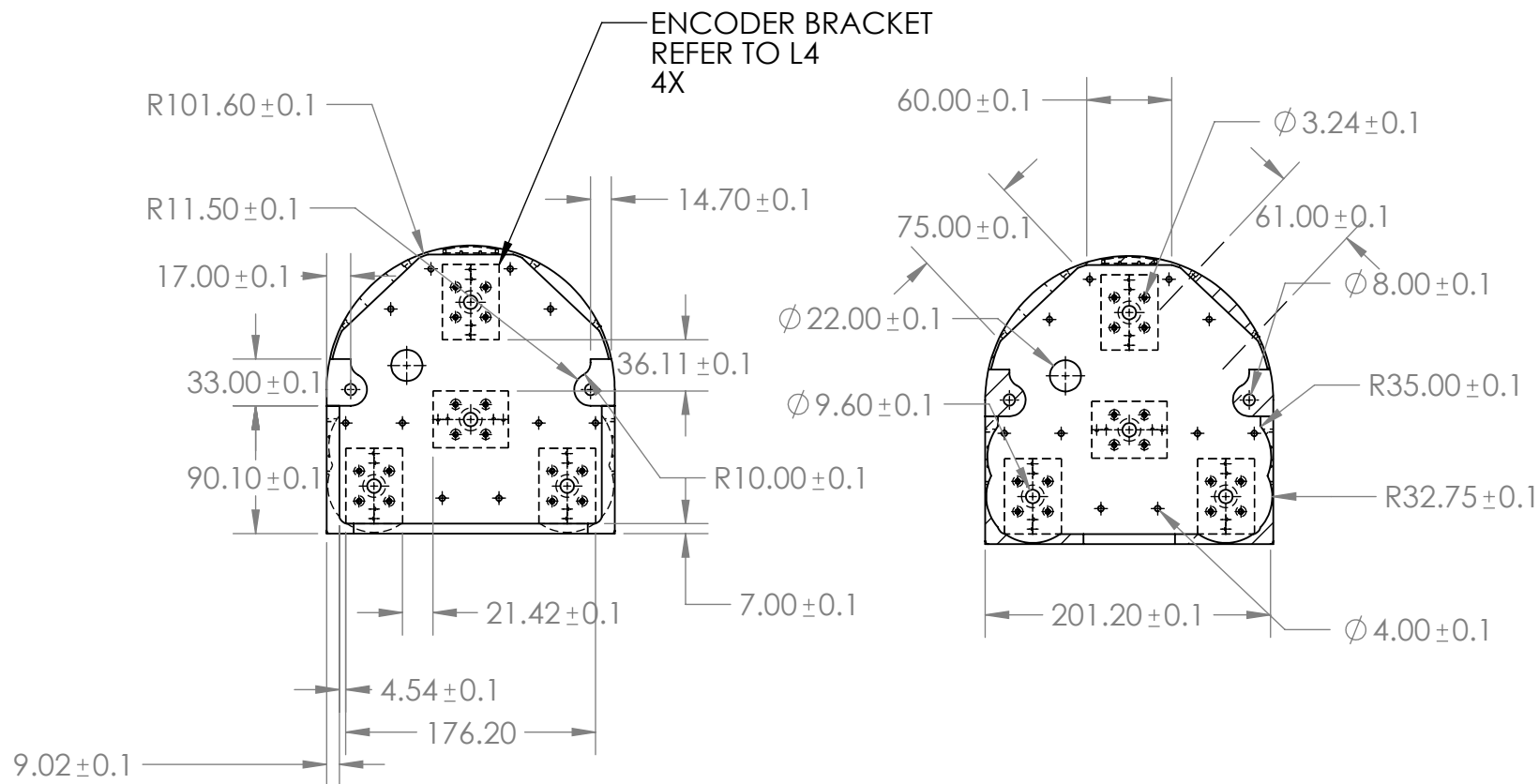


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			DIMENSIONS ARE IN MILLIMETERS	DRAWN					
			TOLERANCES:0.1	CHECKED					
			FRACTIONAL ±	ENG APPR.					
			ANGULAR: MACH ±    BEND ±	MFG APPR.					
			TWO PLACE DECIMAL    ±	Q.A.			SIZE    DWG. NO.    REV <div>A    L1    A</div>		
			THREE PLACE DECIMAL    ±	COMMENTS:					
			INTERPRET GEOMETRIC TOLERANCING PER:						
			MATERIAL	PLA					
	NEXT ASSY	USED ON	FINISH						
APPLICATION		DO NOT SCALE DRAWING		SCALE: 1:4    WEIGHT:    SHEET 2 OF 25					



1

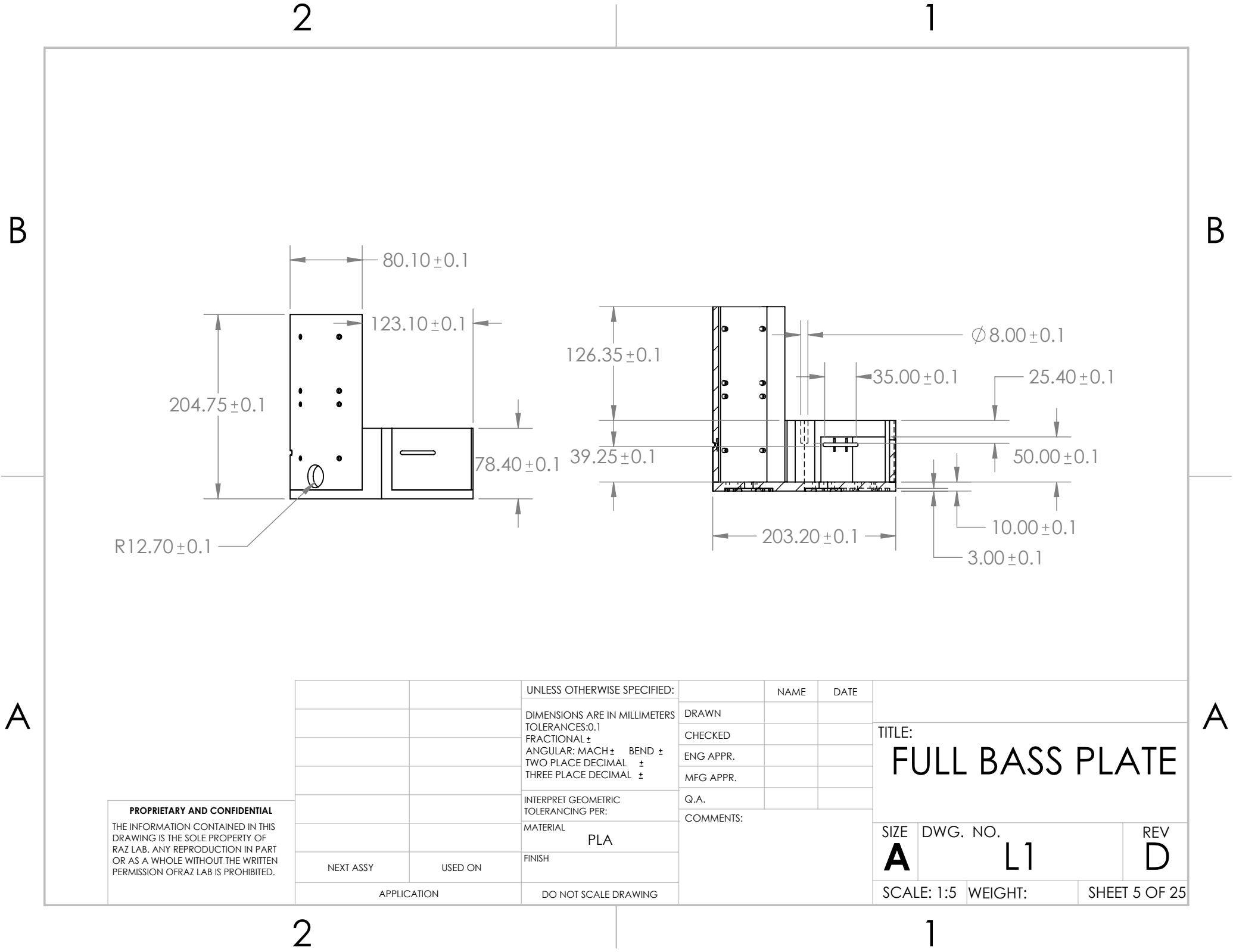
# B



A

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			DIMENSIONS ARE IN MILLIMETERS TOLERANCES:0.1 FRACTIONAL ± ANGULAR: MACH ±      BEND ± TWO PLACE DECIMAL      ± THREE PLACE DECIMAL      ±	DRAWN						
				CHECKED						
				ENG APPR.						
				MFG APPR.						
			INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			COMMENTS:			
			MATERIAL <div>PLA</div>							
	NEXT ASSY	USED ON	FINISH							
		APPLICATION		DO NOT SCALE DRAWING		SIZE <div>A</div>		DWG. NO. <div>L1</div>		REV <div>C</div>
					SCALE: 1:5		WEIGHT:		SHEET 4 OF 25	

1



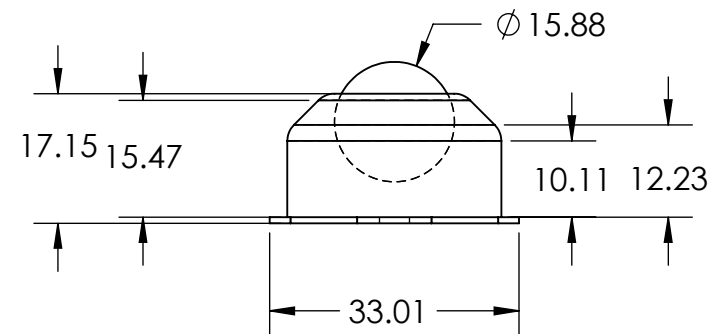
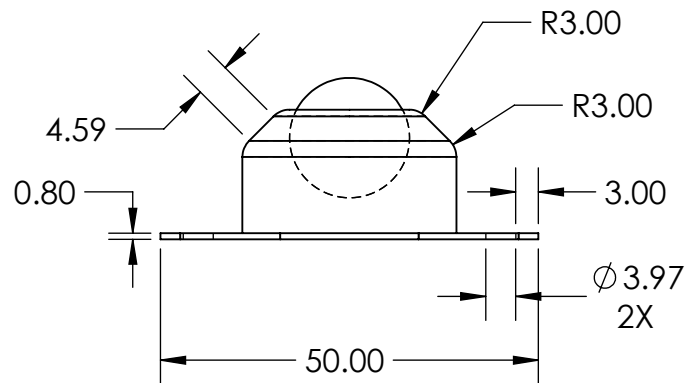
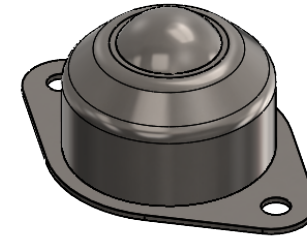
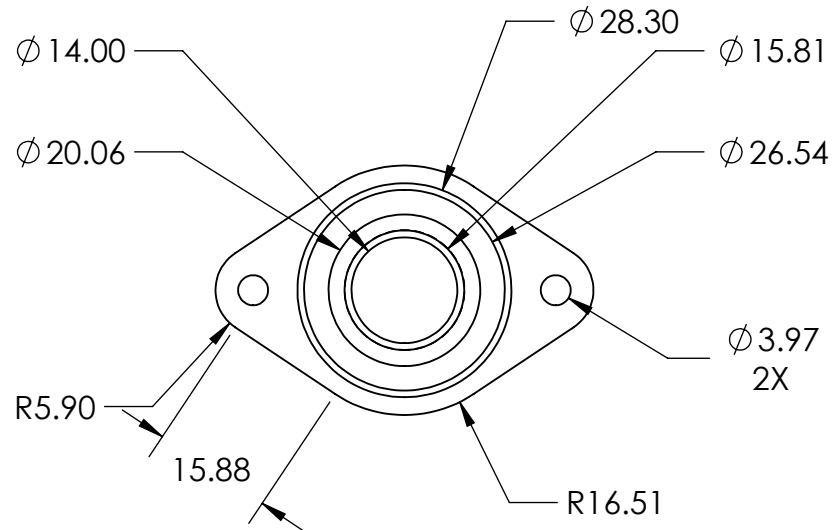
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN MILLIMETERS	DRAWN		
		TOLERANCES: 0.1	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL PLA			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE: FULL BASS PLATE					
SIZE A	DWG. NO. L1			REV D	
SCALE: 1:5		WEIGHT:		SHEET 5 OF 25	

B

B



A

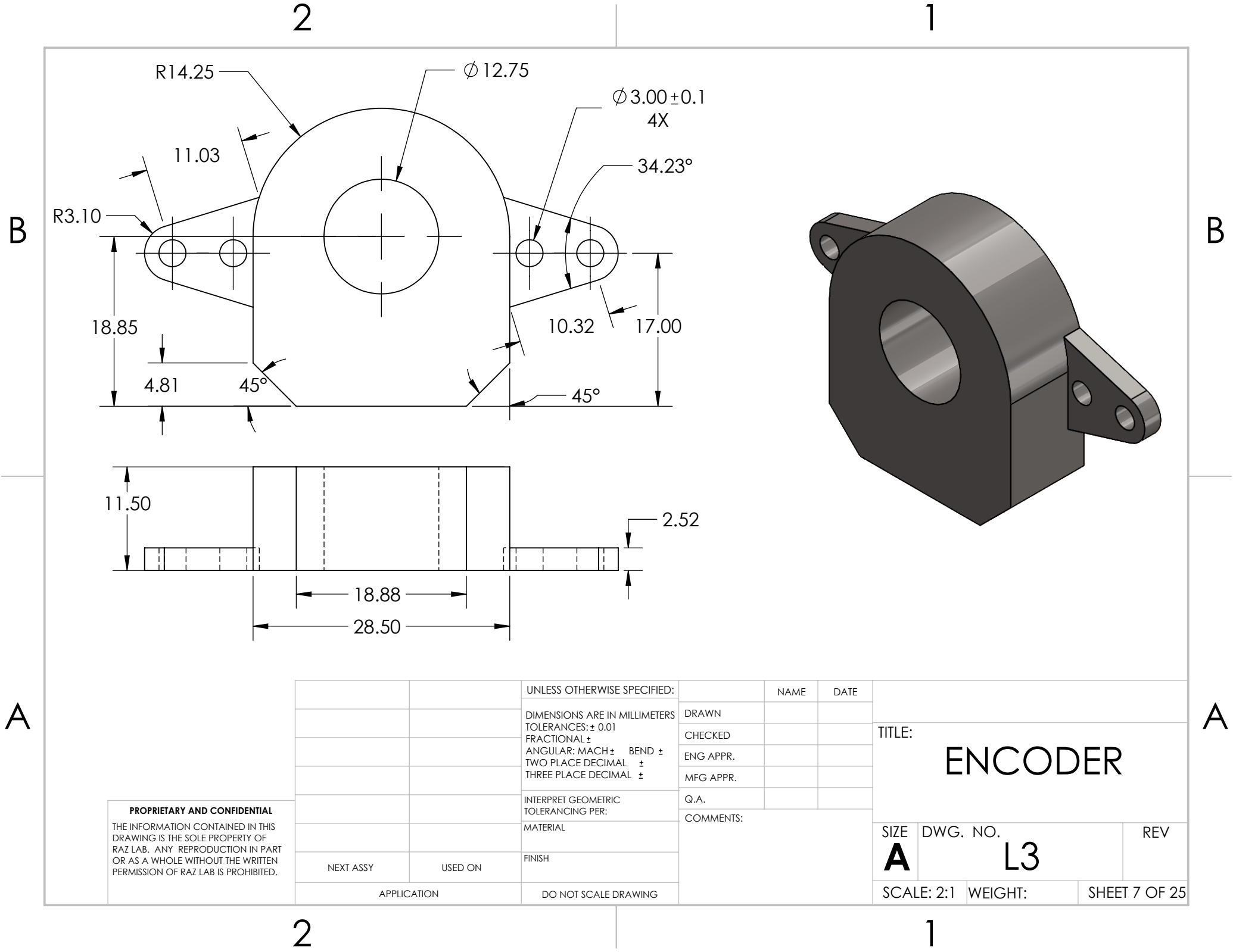
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  WHEEL			
		DIMENSIONS ARE IN MILLIMETERS	DRAWN						
		TOLERANCES: ±0.01	CHECKED						
		FRACTIONAL ±	ENG APPR.						
		ANGULAR: MACH ±    BEND ±	MFG APPR.						
		TWO PLACE DECIMAL ±	Q.A.			SIZE    DWG. NO.    REV			
		THREE PLACE DECIMAL ±							COMMENTS:
		INTERPRET GEOMETRIC TOLERANCING PER:							
		MATERIAL <div>STEEL</div>							
NEXT ASSY	USED ON	FINISH							
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:1    WEIGHT:    SHEET 6 OF 25			

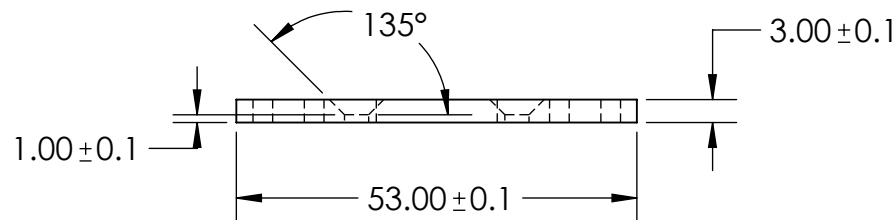
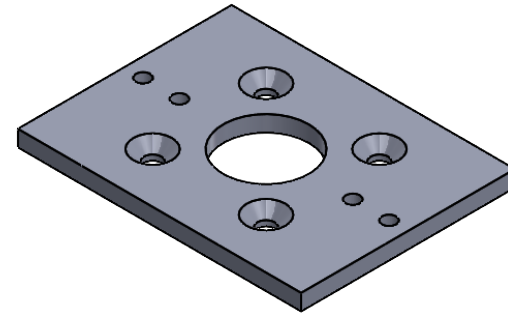
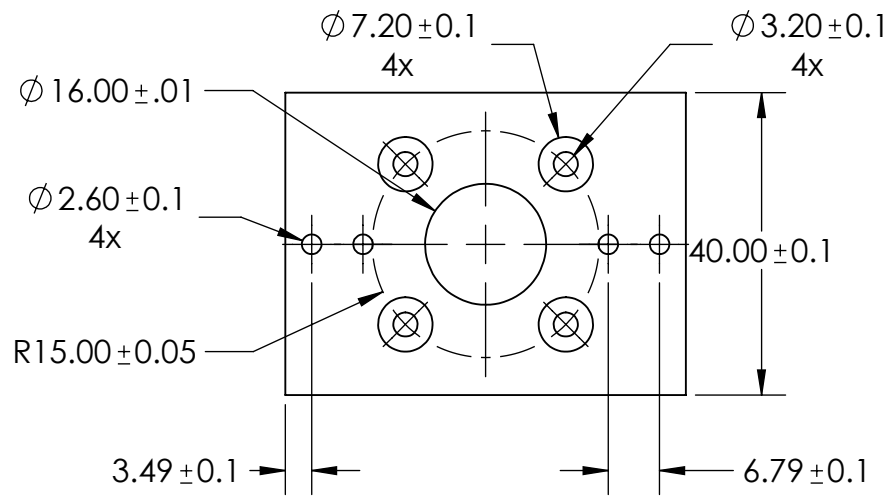
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B



B

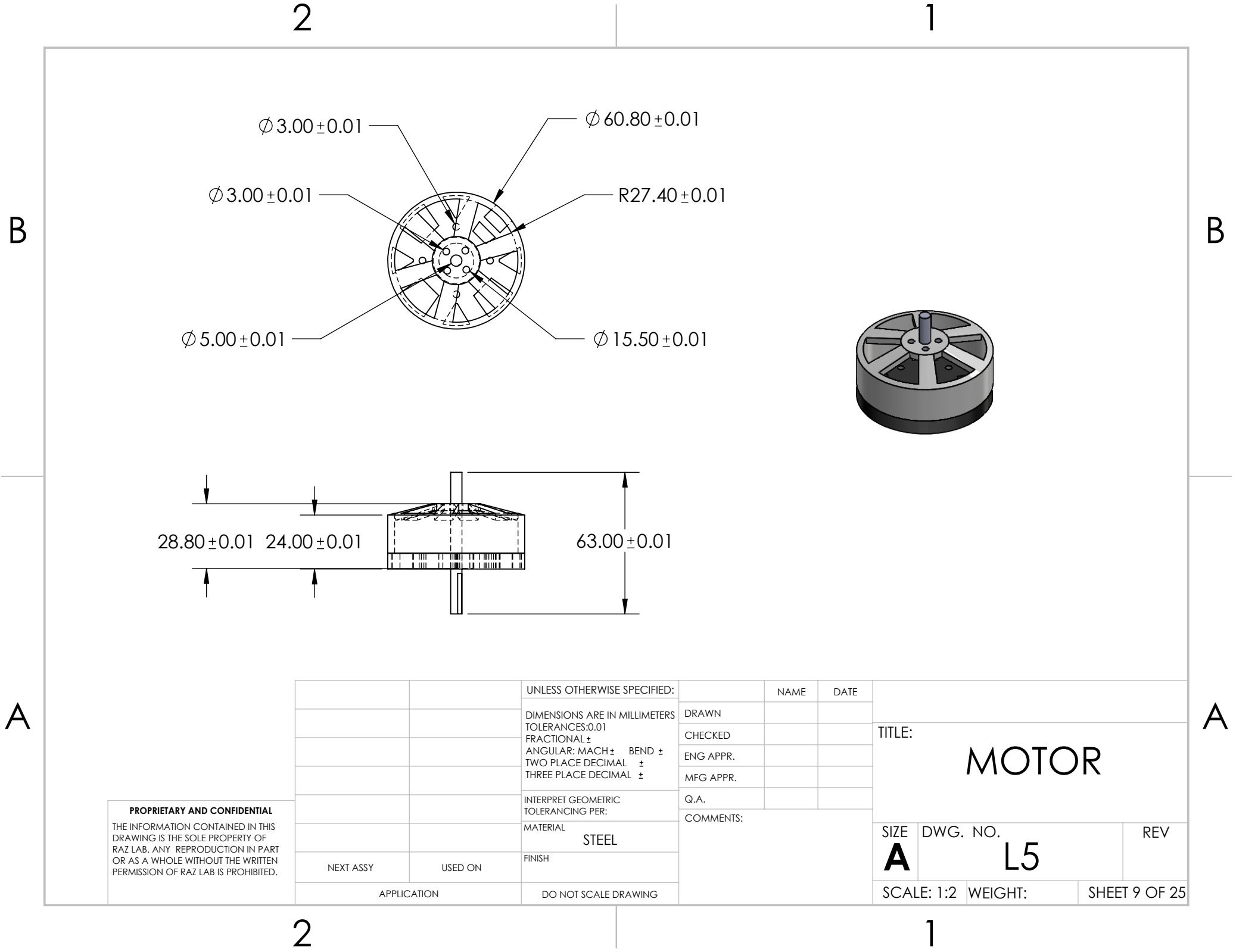
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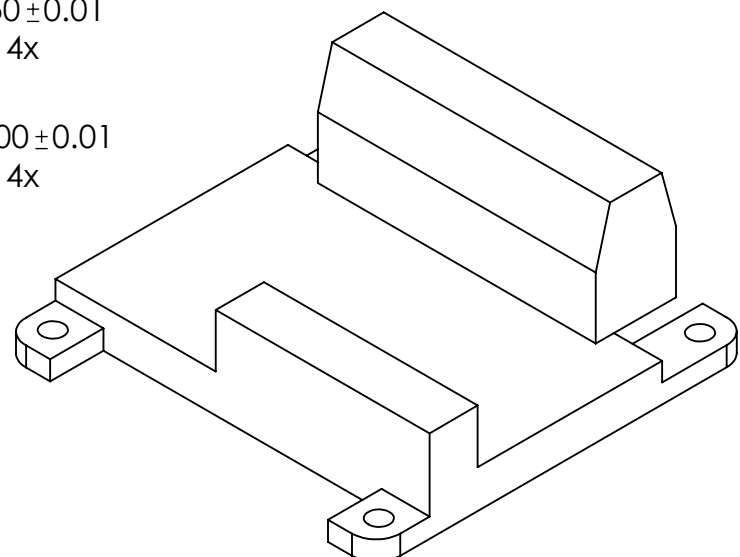
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: <b>ENCODER BRACKET</b>		
		DIMENSIONS ARE IN MILLIMETERS	DRAWN					
		TOLERANCES: $\pm 0.10$	CHECKED					
		FRACTIONAL $\pm$	ENG APPR.					
		ANGULAR: MACH $\pm$ BEND $\pm$	MFG APPR.					
		TWO PLACE DECIMAL $\pm$	Q.A.			SIZE	DWG. NO.	REV
		THREE PLACE DECIMAL $\pm$	COMMENTS:				<b>L4</b>	
		INTERPRET GEOMETRIC TOLERANCING PER:				<b>A</b>		
		MATERIAL				SCALE: 1:1	WEIGHT:	SHEET 8 OF 25
		FINISH						
	NEXT ASSY	USED ON						
	APPLICATION		DO NOT SCALE DRAWING					

2

1



1

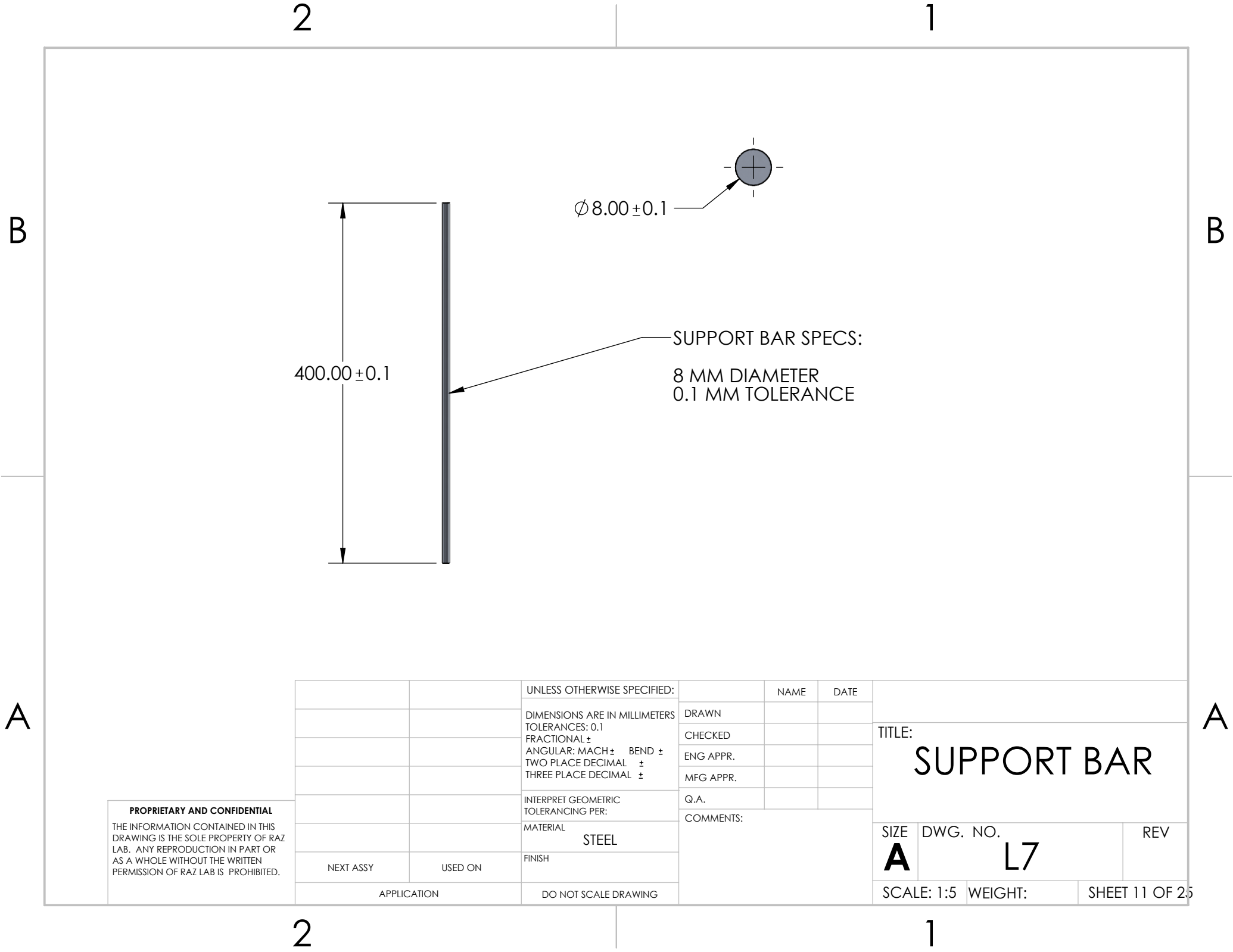


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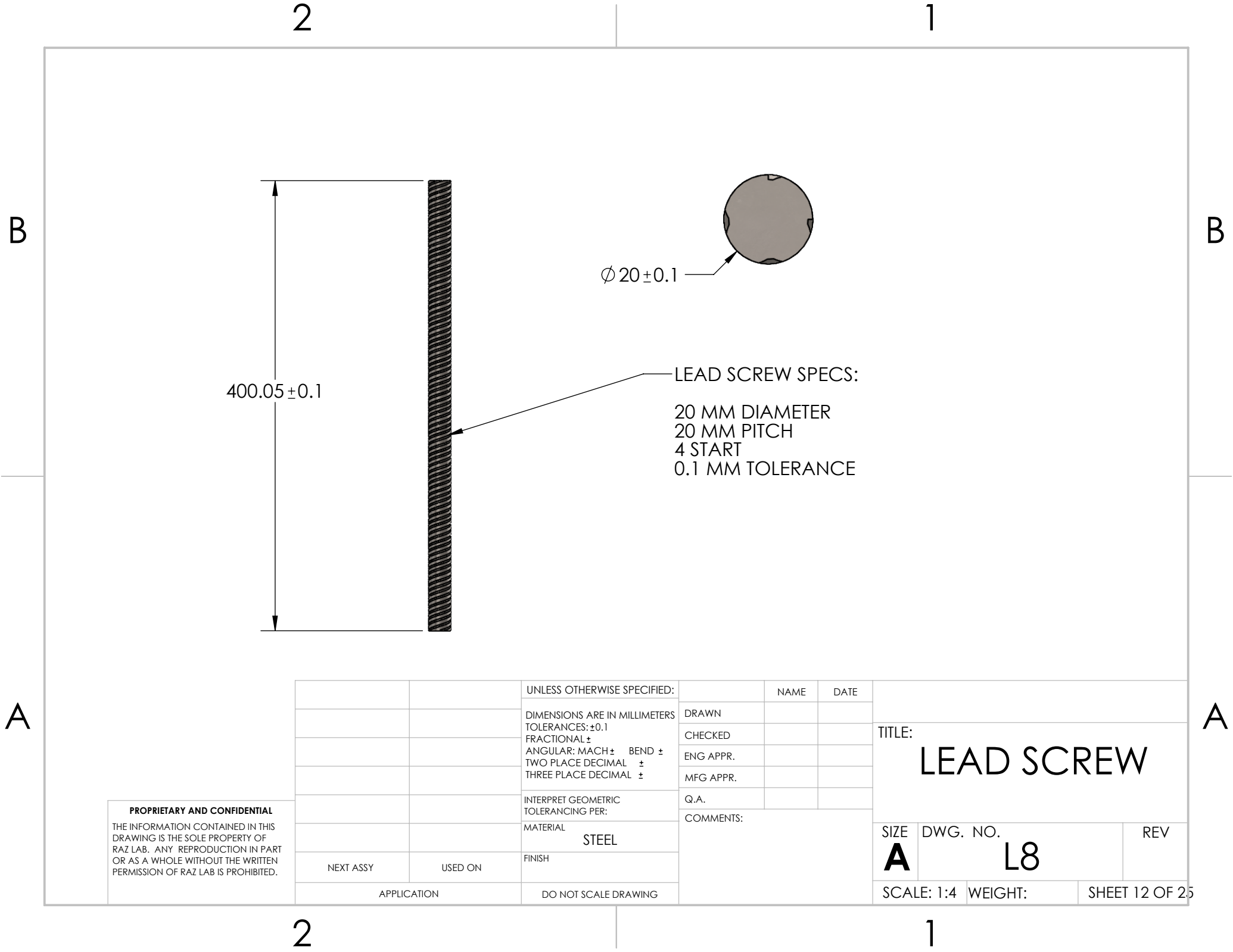
TITLE:			
MOTOR DRIVER			
SIZE	DWG. NO.		REV
A	L6		
SCALE: 1:1		WEIGHT:	SHEET 10 OF 20

1

SCALE: 1:1	WEIGHT:	SHEET 10 OF 25
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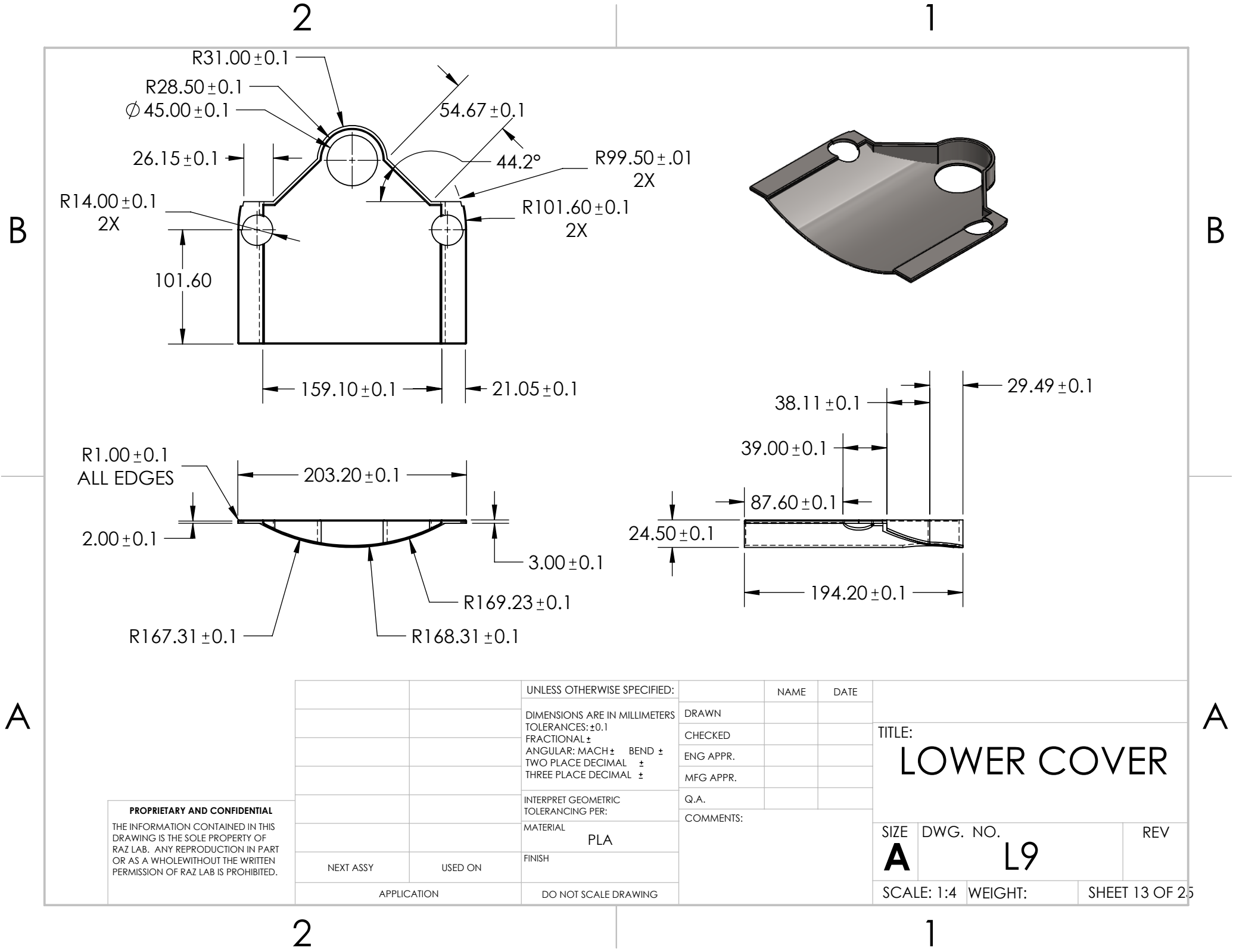


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			DIMENSIONS ARE IN MILLIMETERS	DRAWN					
			TOLERANCES: 0.1	CHECKED					
			FRACTIONAL ±	ENG APPR.					
			ANGULAR: MACH ±    BEND ±	MFG APPR.					
			TWO PLACE DECIMAL ±	Q.A.					
			THREE PLACE DECIMAL ±	COMMENTS:					
			INTERPRET GEOMETRIC TOLERANCING PER:						
		MATERIAL							
		STEEL	SIZE	DWG. NO.		REV			
	NEXT ASSY	USED ON	FINISH	A	L7				
	APPLICATION		DO NOT SCALE DRAWING	SCALE: 1:5		WEIGHT:	SHEET 11 OF 25		



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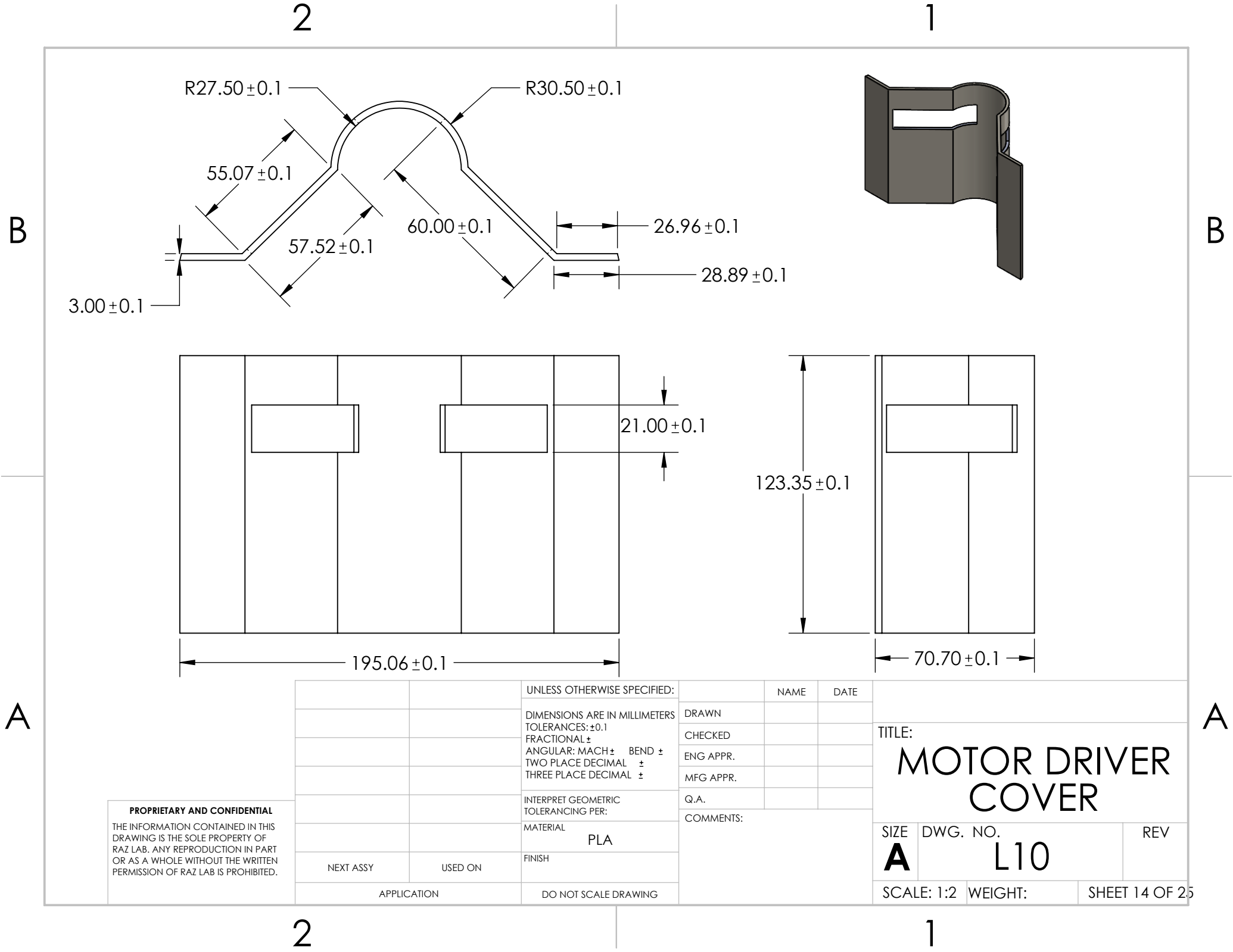
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  <div>LEAD SCREW</div>		
		DIMENSIONS ARE IN MILLIMETERS	DRAWN					
		TOLERANCES: ±0.1	CHECKED					
		FRACTIONAL ±	ENG APPR.					
		ANGULAR: MACH ±    BEND ±	MFG APPR.					
		TWO PLACE DECIMAL    ±	Q.A.			SIZE    DWG. NO.    REV <div>A    </div>		



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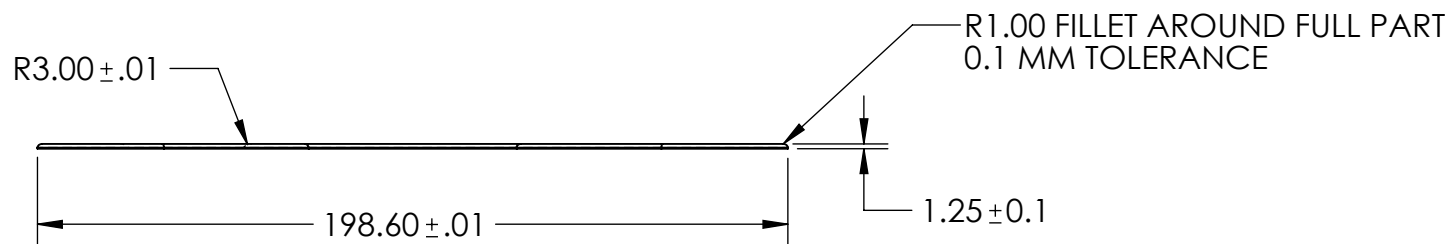
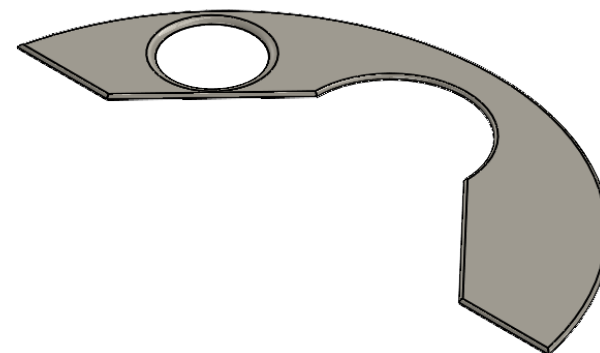
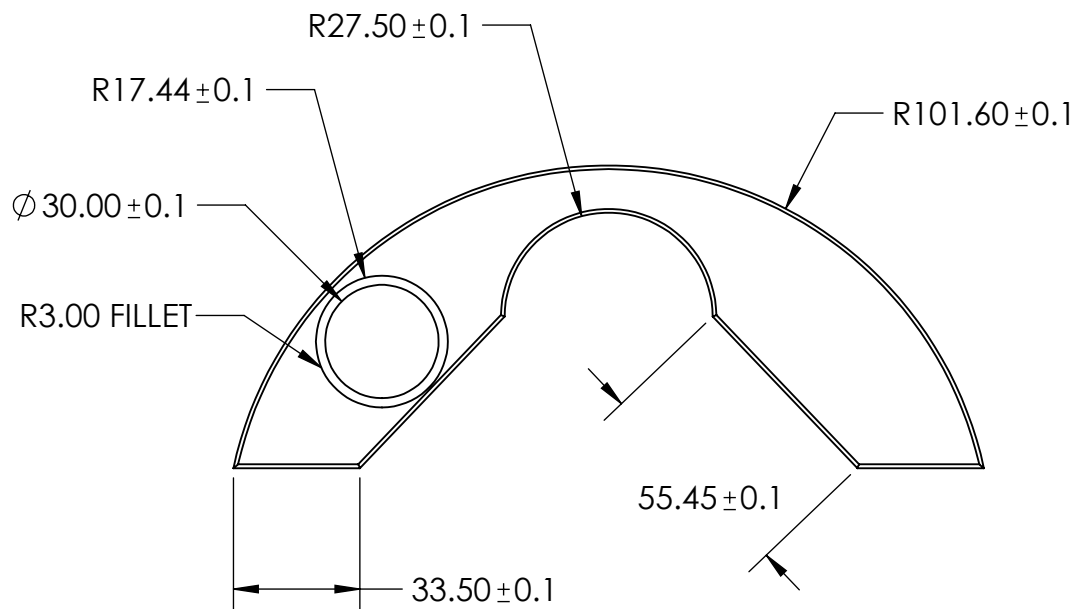
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN MILLIMETERS	DRAWN		
		TOLERANCES: ±0.1	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ±    BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±			
		THREE PLACE DECIMAL ±			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
		MATERIAL	COMMENTS:		
		PLA			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:					
LOWER COVER					
SIZE	DWG. NO.		REV		
A	L9				
SCALE: 1:4		WEIGHT:		SHEET 13 OF 25	



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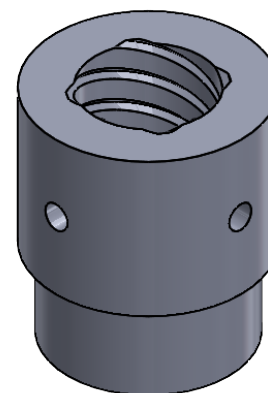
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: <div>REAR WALL LID</div>			
		DIMENSIONS ARE IN IMILLIMETERS	DRAWN						
		TOLERANCES: ±0.1	CHECKED						
		FRACTIONAL ±	ENG APPR.						
		ANGULAR: MACH ±    BEND ±	MFG APPR.						
		TWO PLACE DECIMAL    ±				SIZE    DWG. NO.    REV <div>A                    L11</div>			
		THREE PLACE DECIMAL    ±							
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.						
		MATERIAL	COMMENTS:						
		PLA							
		FINISH				SCALE: 1:2    WEIGHT:    SHEET 15 OF 25			
NEXT ASSY	USED ON								
APPLICATION		DO NOT SCALE DRAWING							

2

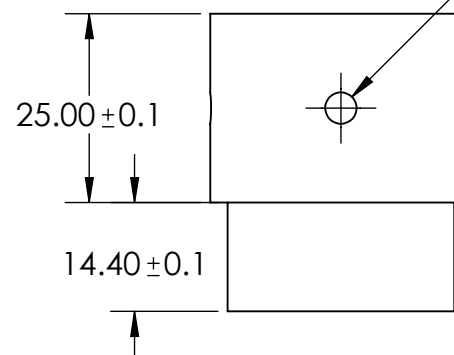
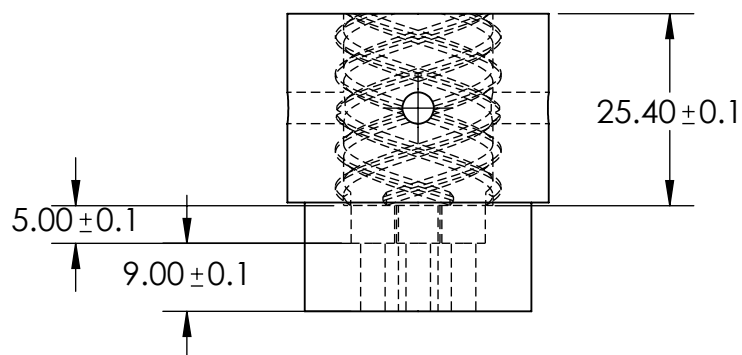
1



1



HEATSET HOLE  
—  $\varnothing 4.15 \pm 0.1$   
4X



	NAME	DATE
DRAWN		
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

# COUPLER

DWG. NO.
----------

L12

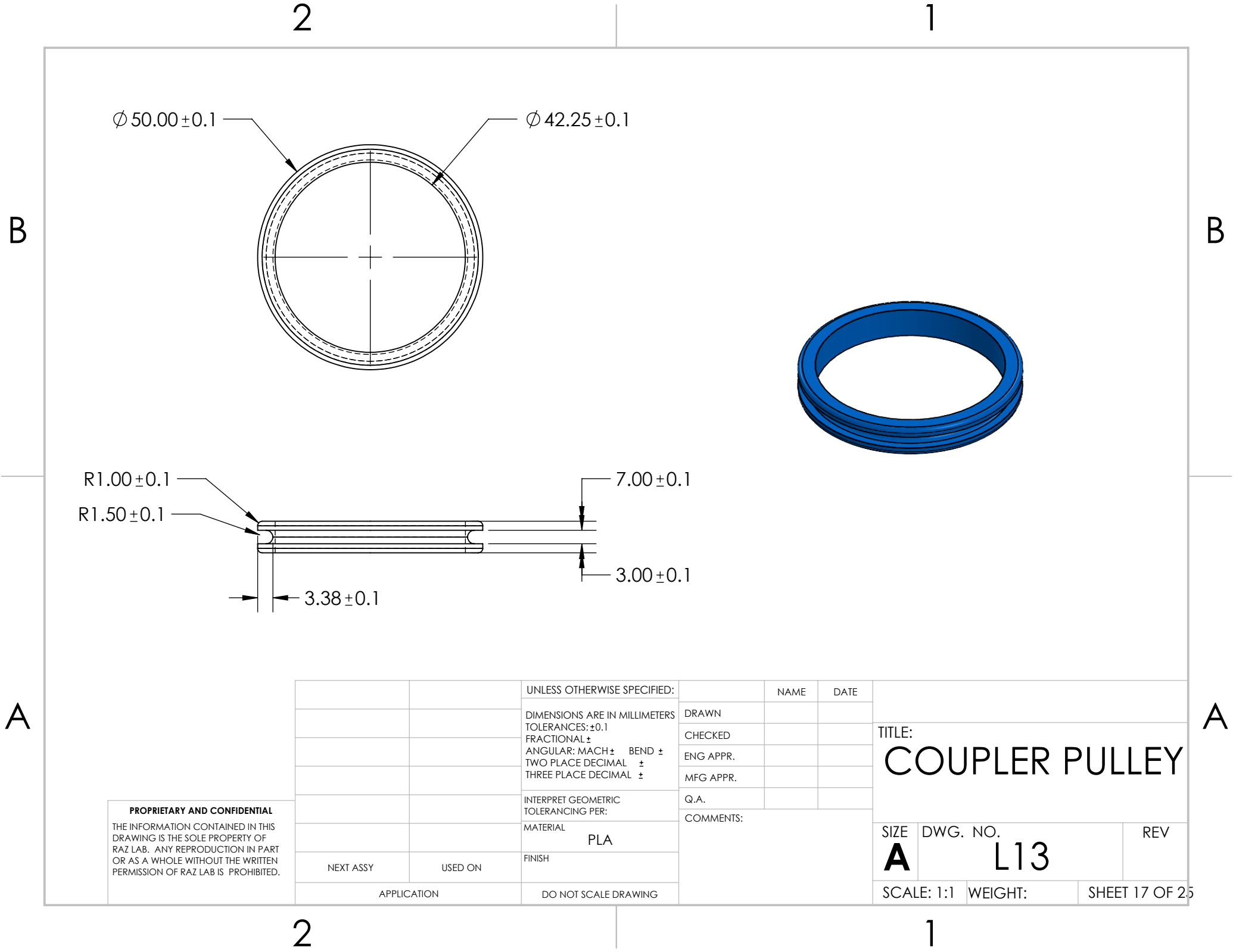
REV

SCALE: 1:1

WEIGHT:

SHEET 16 OF 25

1



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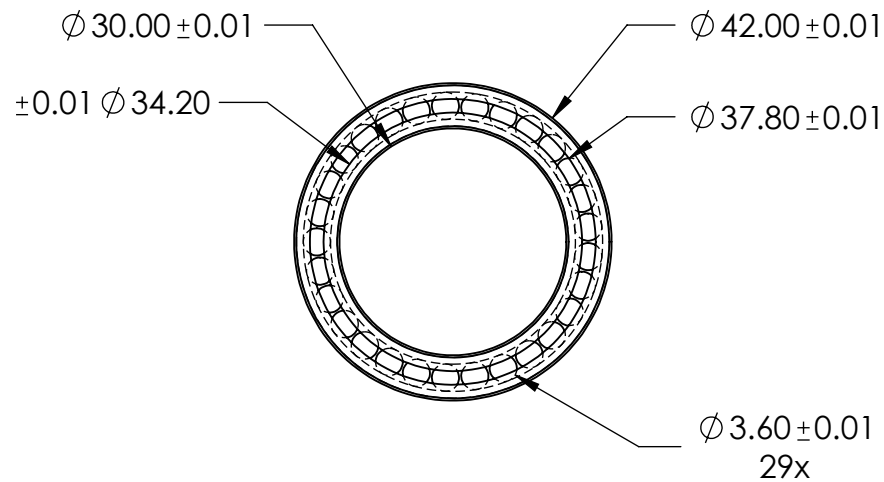
		UNLESS OTHERWISE SPECIFIED:
		DIMENSIONS ARE IN MILLIMETERS
		TOLERANCES: $\pm 0.1$
		FRACTIONAL $\pm$
		ANGULAR: MACH $\pm$ BEND $\pm$
		TWO PLACE DECIMAL $\pm$
		THREE PLACE DECIMAL $\pm$
		INTERPRET GEOMETRIC TOLERANCING PER:
		MATERIAL PLA
NEXT ASSY	USED ON	FINISH
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN		
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

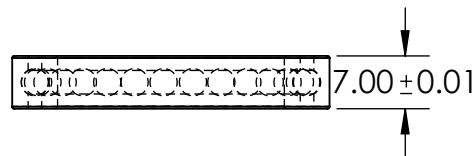
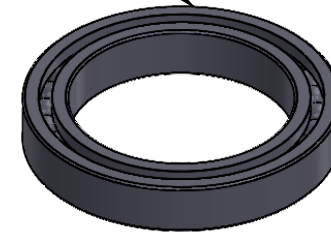
TITLE:		
COUPLER PULLEY		
SIZE	DWG. NO.	REV
A	L13	
SCALE: 1:1	WEIGHT:	SHEET 17 OF 25

B

B



BEARING MODEL NUMBER:  
6806



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BEARING MODEL NUMBER:  
6806

NEXT ASSY

USED ON

APPLICATION

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN MILLIMETERS  
TOLERANCES:  $\pm 0.01$   
FRACTIONAL  $\pm$   
ANGULAR: MACH  $\pm$  BEND  $\pm$   
TWO PLACE DECIMAL  $\pm$   
THREE PLACE DECIMAL  $\pm$

INTERPRET GEOMETRIC  
TOLERANCING

MATERIAL  
STEEL

FINISH

DO NOT SCALE DRAWING

NAME

DATE

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:

TITLE:

COUPLER  
BEARING

SIZE

DWG. NO.

REV

A

L14

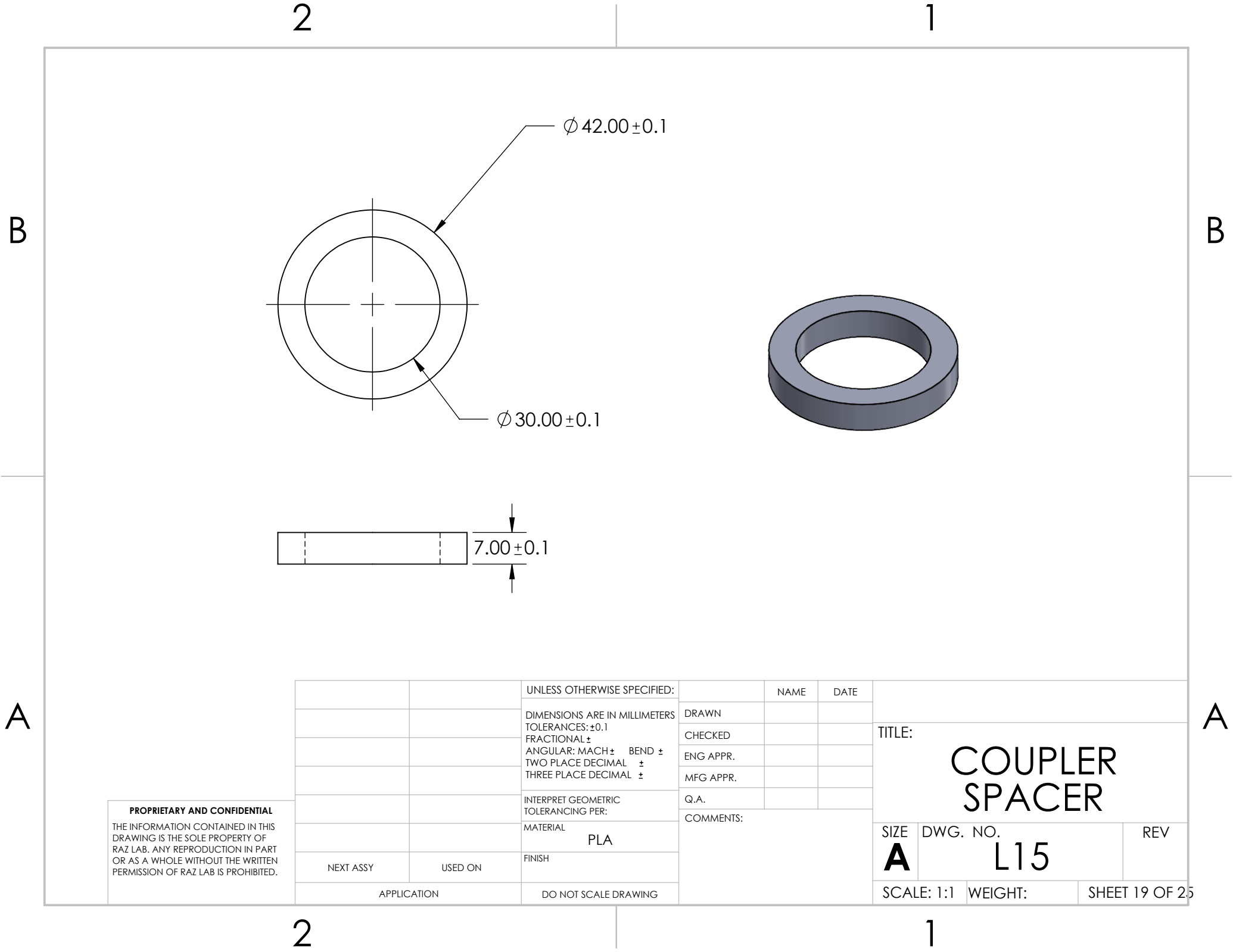
SCALE: 1:1

WEIGHT:

SHEET 18 OF 25

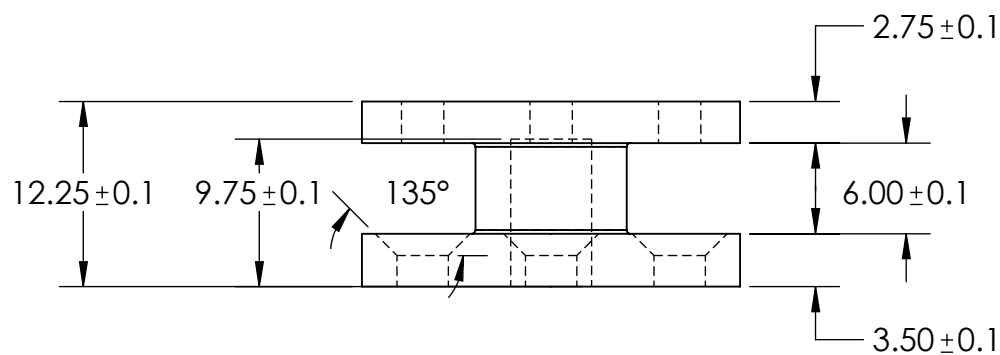
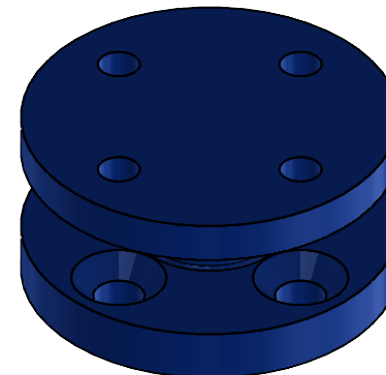
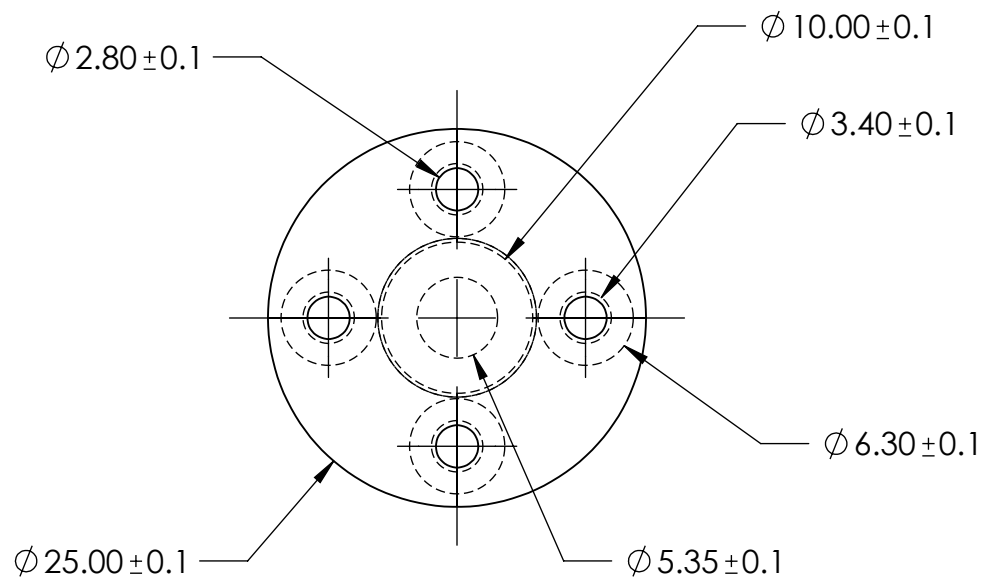
2

1



B

B



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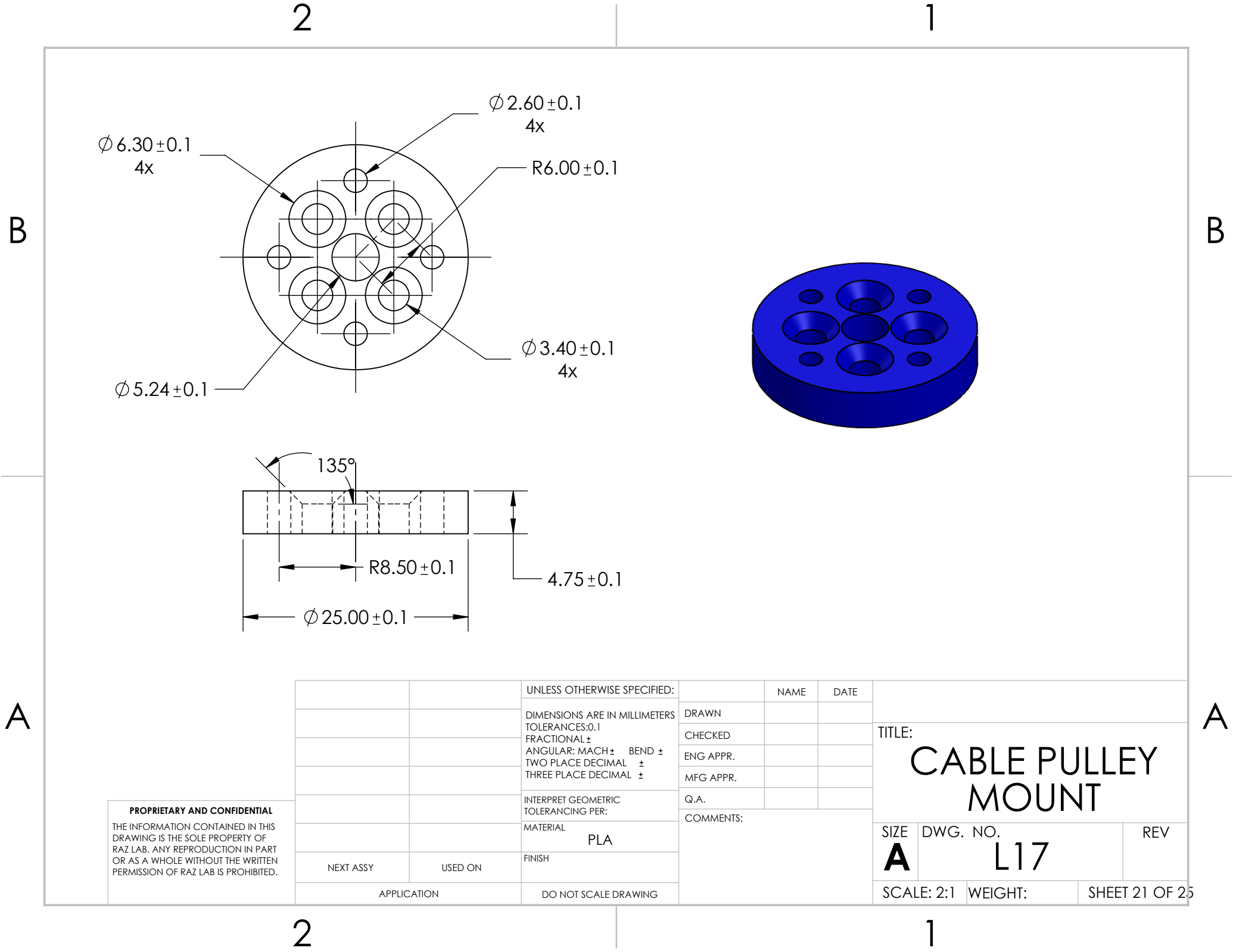
A

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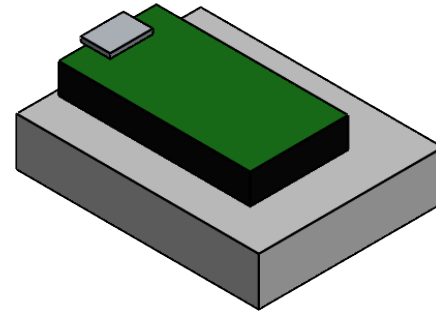
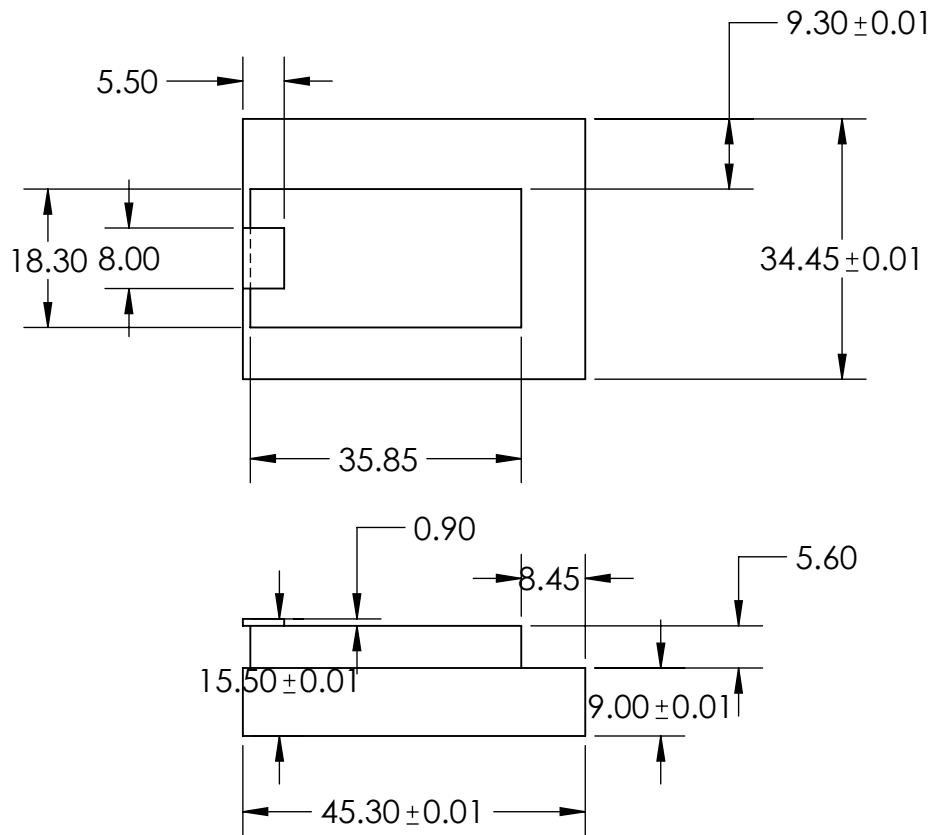
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: <div>CABLE PULLEY</div>			
		DIMENSIONS ARE IN MILLIMETERS	DRAWN						
		TOLERANCES:0.1	CHECKED						
		FRACTIONAL ±	ENG APPR.						
		ANGULAR: MACH ±    BEND ±	MFG APPR.						
		TWO PLACE DECIMAL ±				SIZE    DWG. NO.    REV <div>A                    L16</div>			
		THREE PLACE DECIMAL ±							
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.						
		MATERIAL	COMMENTS:						
		PLA							
		FINISH							
NEXT ASSY	USED ON								
APPLICATION		DO NOT SCALE DRAWING				SCALE: 2:1    WEIGHT:    SHEET 20 OF 2			

2

1



B



B

A

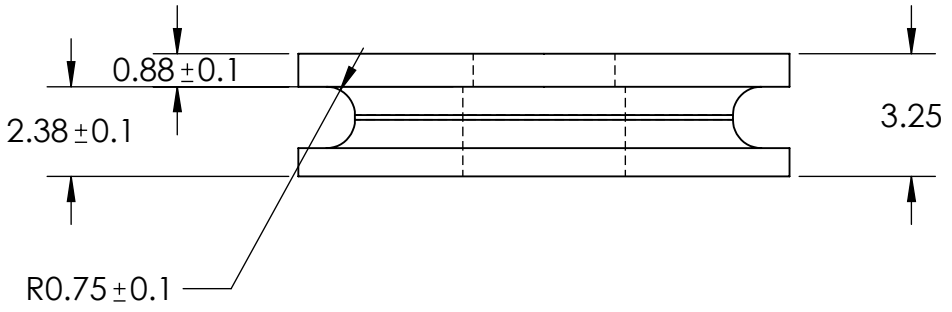
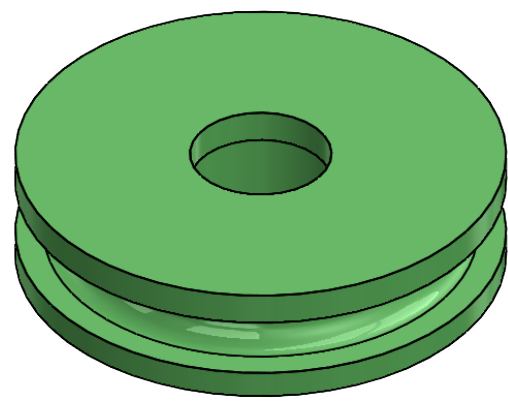
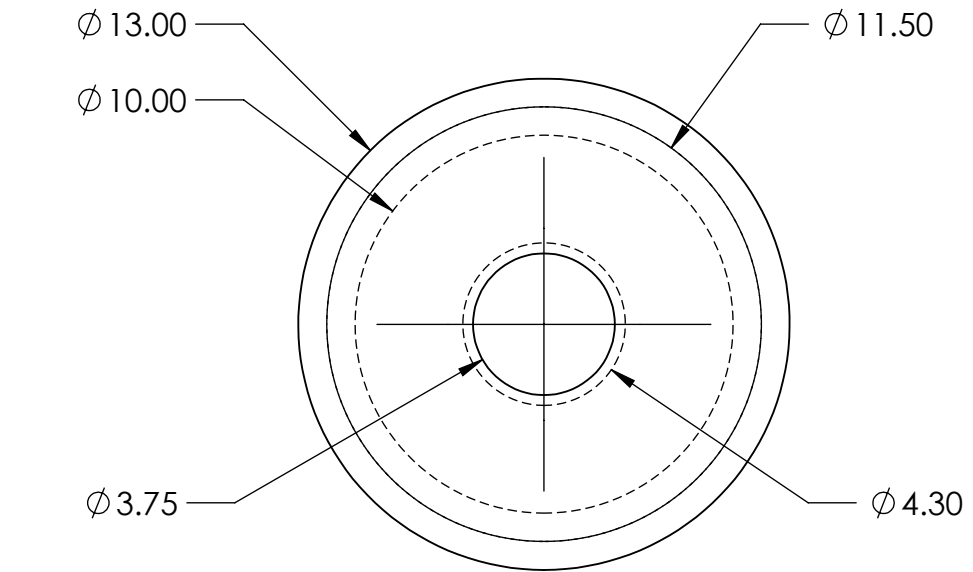
A

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  <b>TEENSY</b>		
		DIMENSIONS ARE IN MILLIMETERS	DRAWN					
		TOLERANCES:	CHECKED					
		FRACTIONAL ±	ENG APPR.					
		ANGULAR: MACH ± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±	Q.A.			SIZE	DWG. NO.	REV
		THREE PLACE DECIMAL ±	COMMENTS:			<b>A</b>	<b>L18</b>	
		INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:1	WEIGHT:	SHEET 22 OF 25
		MATERIAL						
	NEXT ASSY	USED ON	FINISH					
	APPLICATION		DO NOT SCALE DRAWING					

2

1



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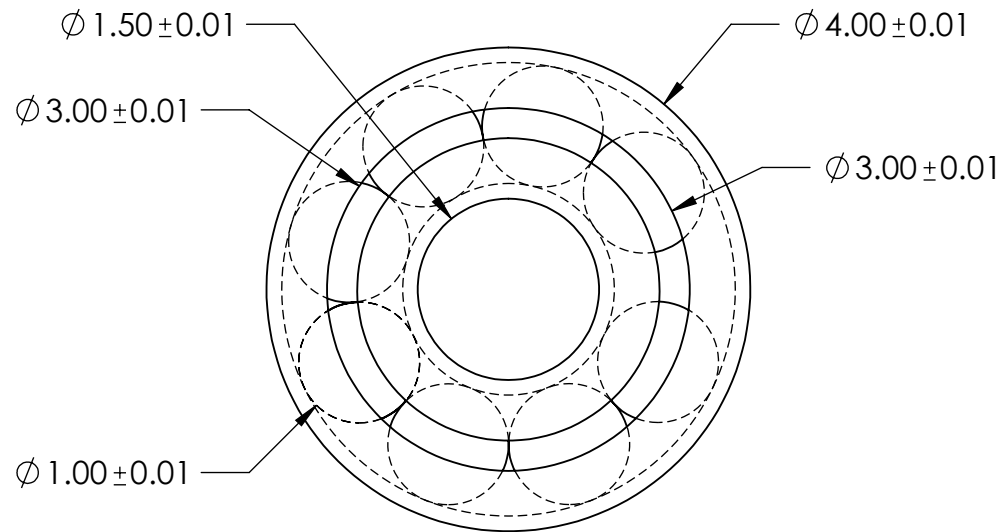
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		DIMENSIONS ARE IN MILLIMETERS	DRAWN		
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		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING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

TITLE: <b>GUIDE PULLEY</b>		
SIZE <b>A</b>	DWG. NO. <b>L19</b>	REV
SCALE: 5:1	WEIGHT:	SHEET 23 OF 25

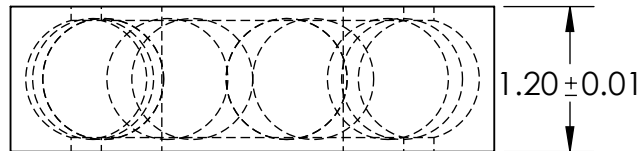
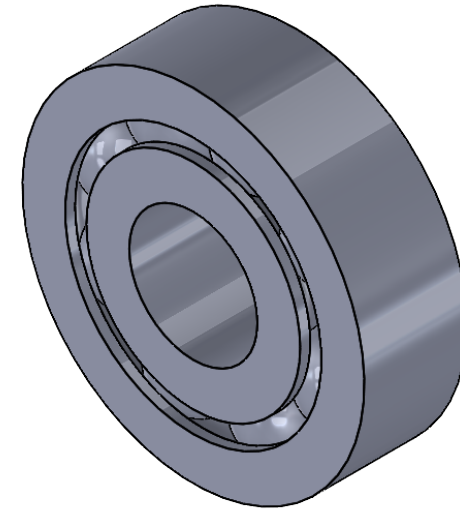


B

B



BEARING MODEL:  
S681X



A

A

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		DIMENSIONS ARE IN MILLIMETERS
		TOLERANCES: $\pm 0.01$
		FRACTIONAL $\pm$
		ANGULAR: MACH $\pm$ BEND $\pm$
		TWO PLACE DECIMAL $\pm$
		THREE PLACE DECIMAL $\pm$
		INTERPRET GEOMETRIC
		TOLERANCING PER:
		MATERIAL
		STEEL
		FINISH
NEXT ASSY	USED ON	
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN		
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

TITLE:

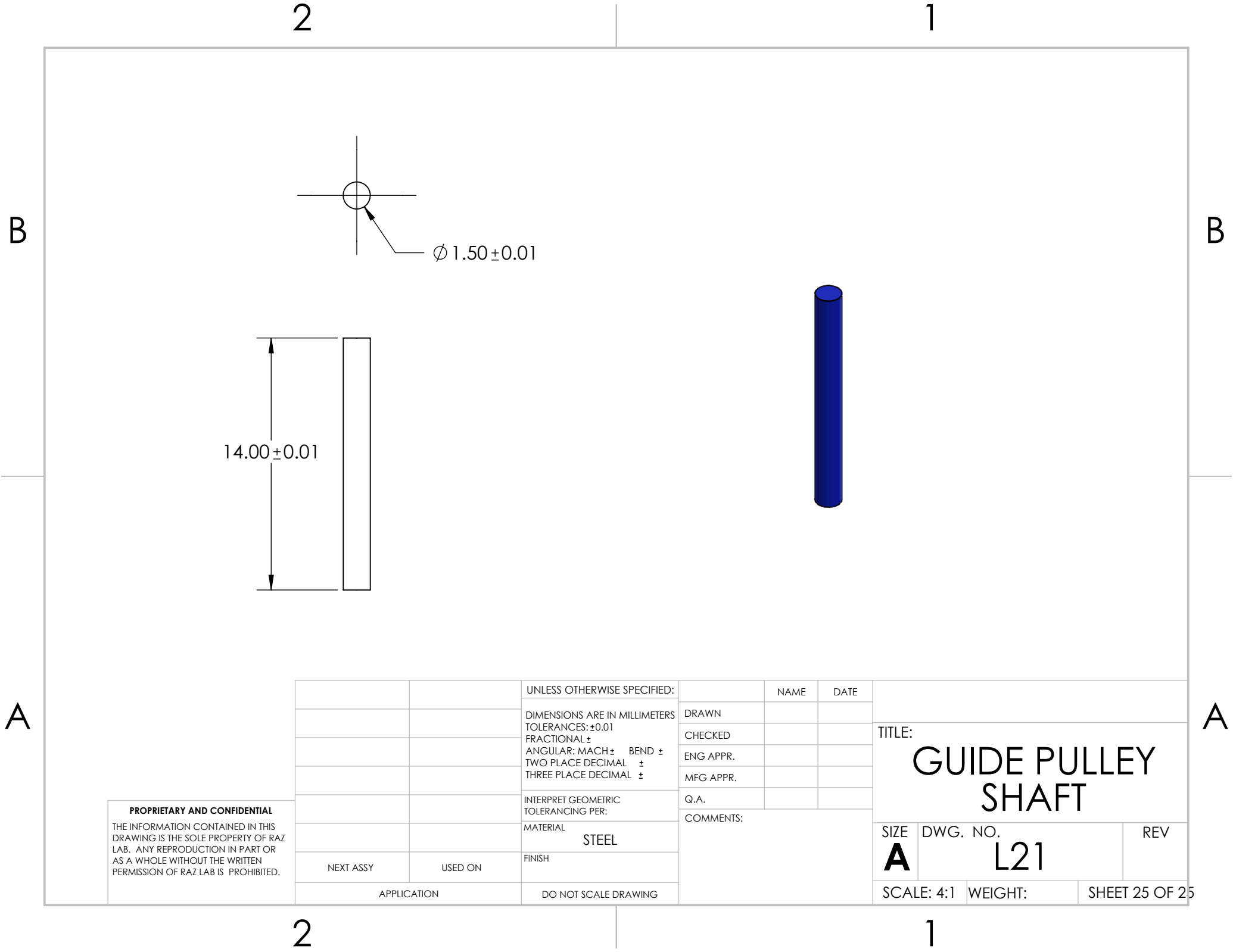
GUIDE PULLEY  
BEARING

SIZE	DWG. NO.	REV
<b>A</b>	L20	

SCALE: 16:1 WEIGHT: SHEET 24 OF 25

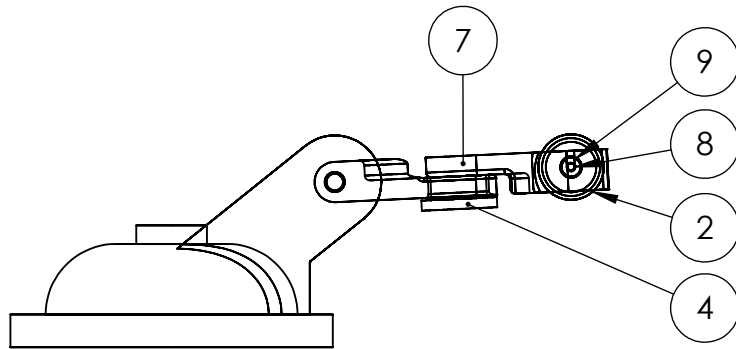
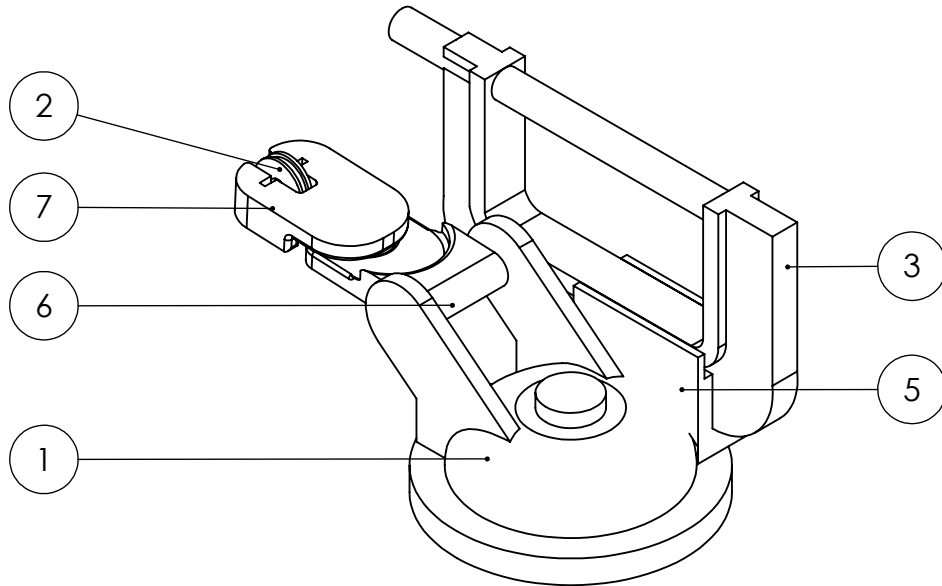
2

1



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			DIMENSIONS ARE IN MILLIMETERS	DRAWN					
			TOLERANCES: ±0.01	CHECKED					
			FRACTIONAL ±	ENG APPR.					
			ANGULAR: MACH ±    BEND ±	MFG APPR.					
			TWO PLACE DECIMAL    ±	Q.A.					
			THREE PLACE DECIMAL    ±	COMMENTS:					
			INTERPRET GEOMETRIC TOLERANCING PER:						
		MATERIAL	STEEL	SIZE	DWG. NO.		REV		
	NEXT ASSY	USED ON	FINISH	A			L21		
	APPLICATION		DO NOT SCALE DRAWING	SCALE: 4:1			WEIGHT:		SHEET 25 OF 2

B



ITEM NO.	PART NUMBER	QTY.
1	Suction Cup	1
2	Idler Pulley	1
3	C-Clamp	1
4	Anchor Pully Lock	1
5	Anchor Clamp Mount	1
6	Anchor Suction Cup Mount	1
7	Anchor Pully Mount	1
8	Idler Pulley Shaft	1
9	Idler Pulley Bearing	1

B

A

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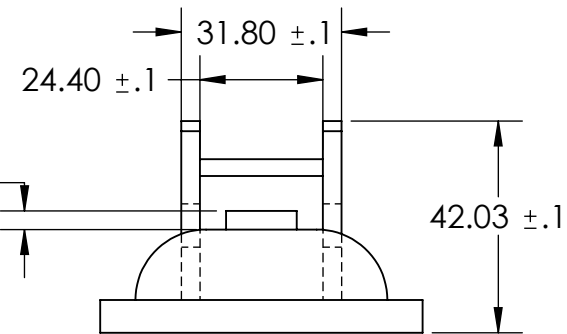
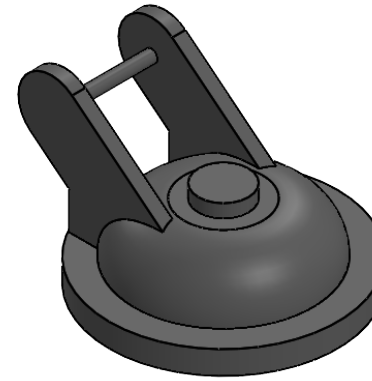
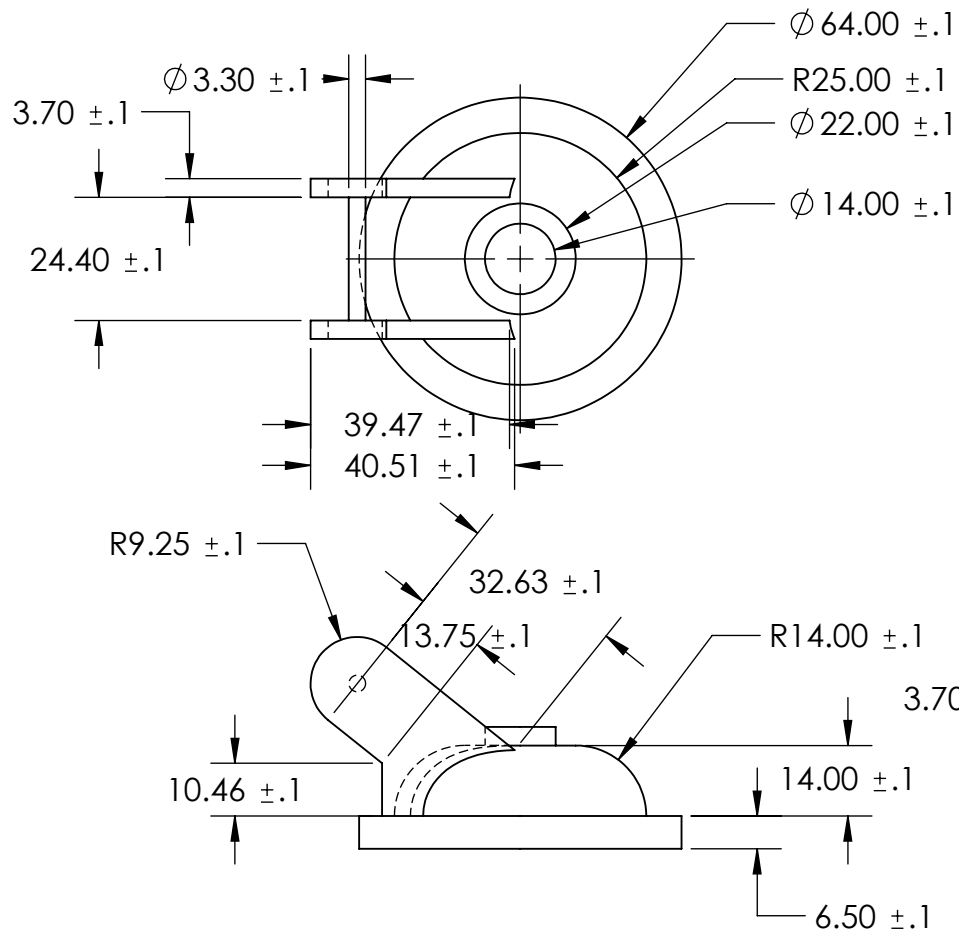
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
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		TOLERANCES: NONE	CHECKED		
		FRACTIONAL $\pm$	ENG APPR.		
		ANGULAR: MACH $\pm$ BEND $\pm$	MFG APPR.		
		TWO PLACE DECIMAL $\pm$	Q.A.		
		THREE PLACE DECIMAL $\pm$	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:  
**Flying Squirrel  
Anchor Assembly**

SIZE	DWG. NO.	REV
<b>A</b>	<b>A-0</b>	
SCALE: 1:1.5	WEIGHT:	SHEET 1 OF 10

B

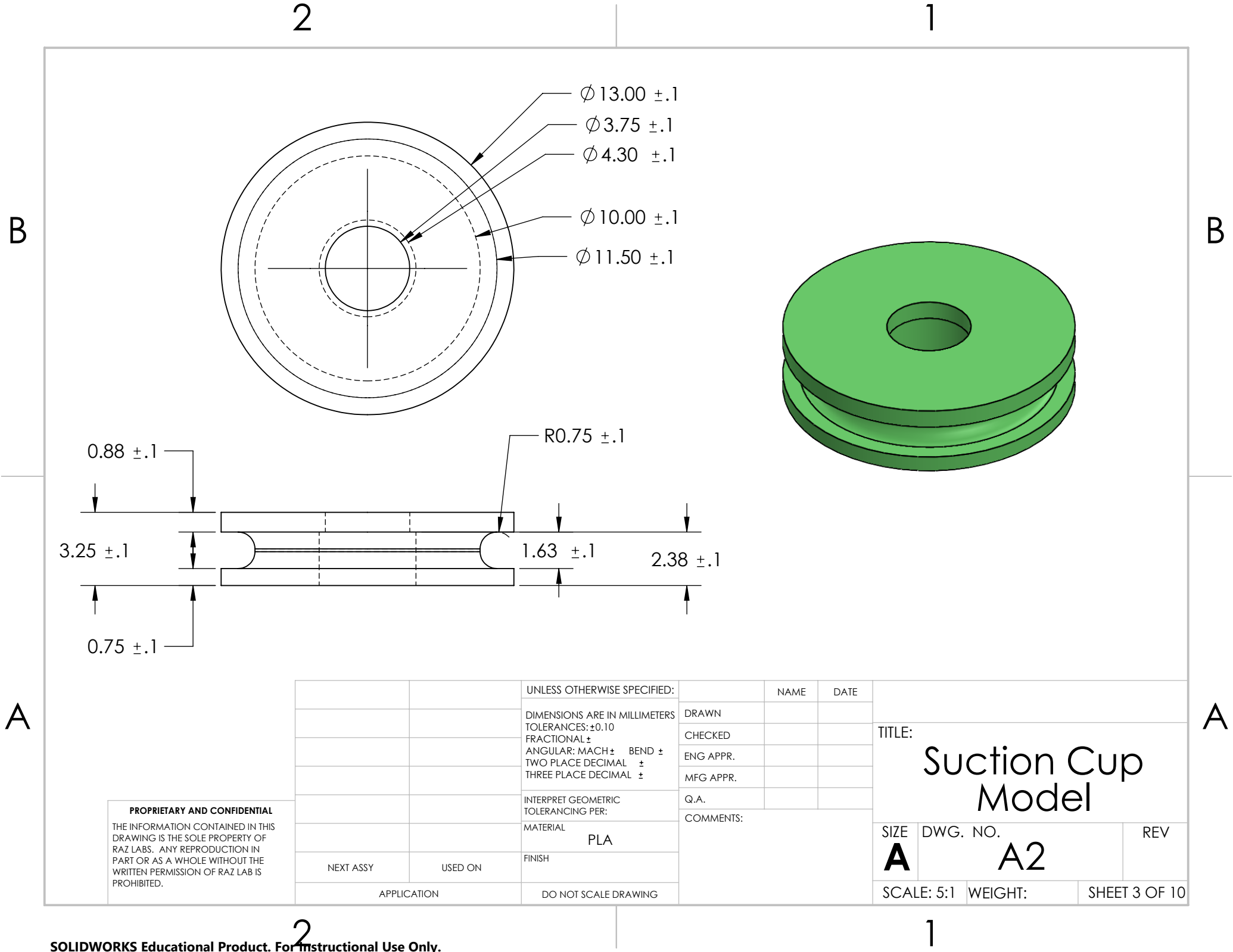
B



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE:  Suction Cup Model		
		DIMENSIONS ARE IN MILLIMETERS	DRAWN					
		TOLERANCES: ±0.10	CHECKED					
		FRACTIONAL ±	ENG APPR.					
		ANGULAR: MACH ±    BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±				SIZE    DWG. NO.    REV  A                    A-1		
		THREE PLACE DECIMAL ±	Q.A.					
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:					
		MATERIAL                    ABS						
NEXT ASSY	USED ON	FINISH				SCALE: 1:1.5    WEIGHT:    SHEET 2 OF 10		
APPLICATION		DO NOT SCALE DRAWING						

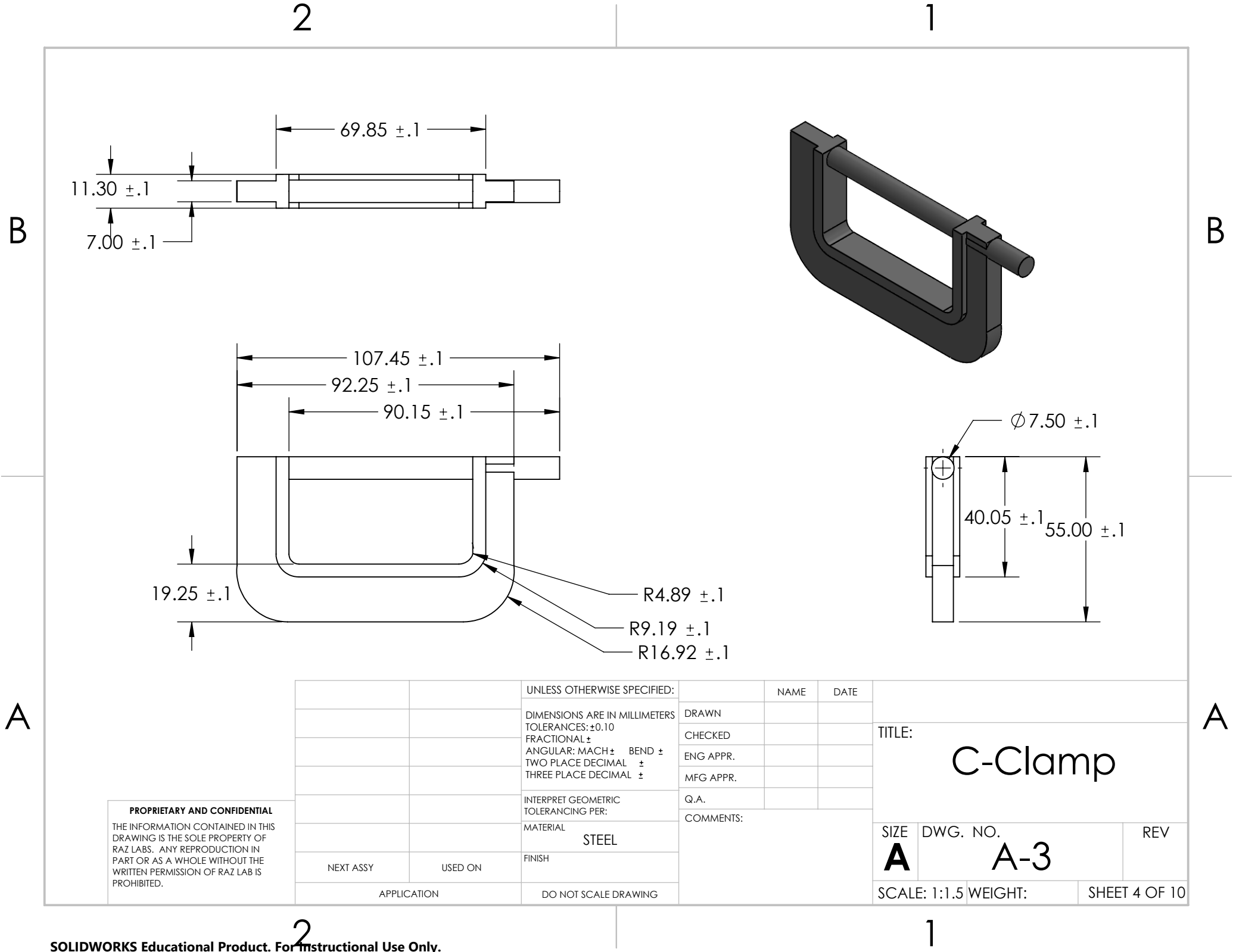


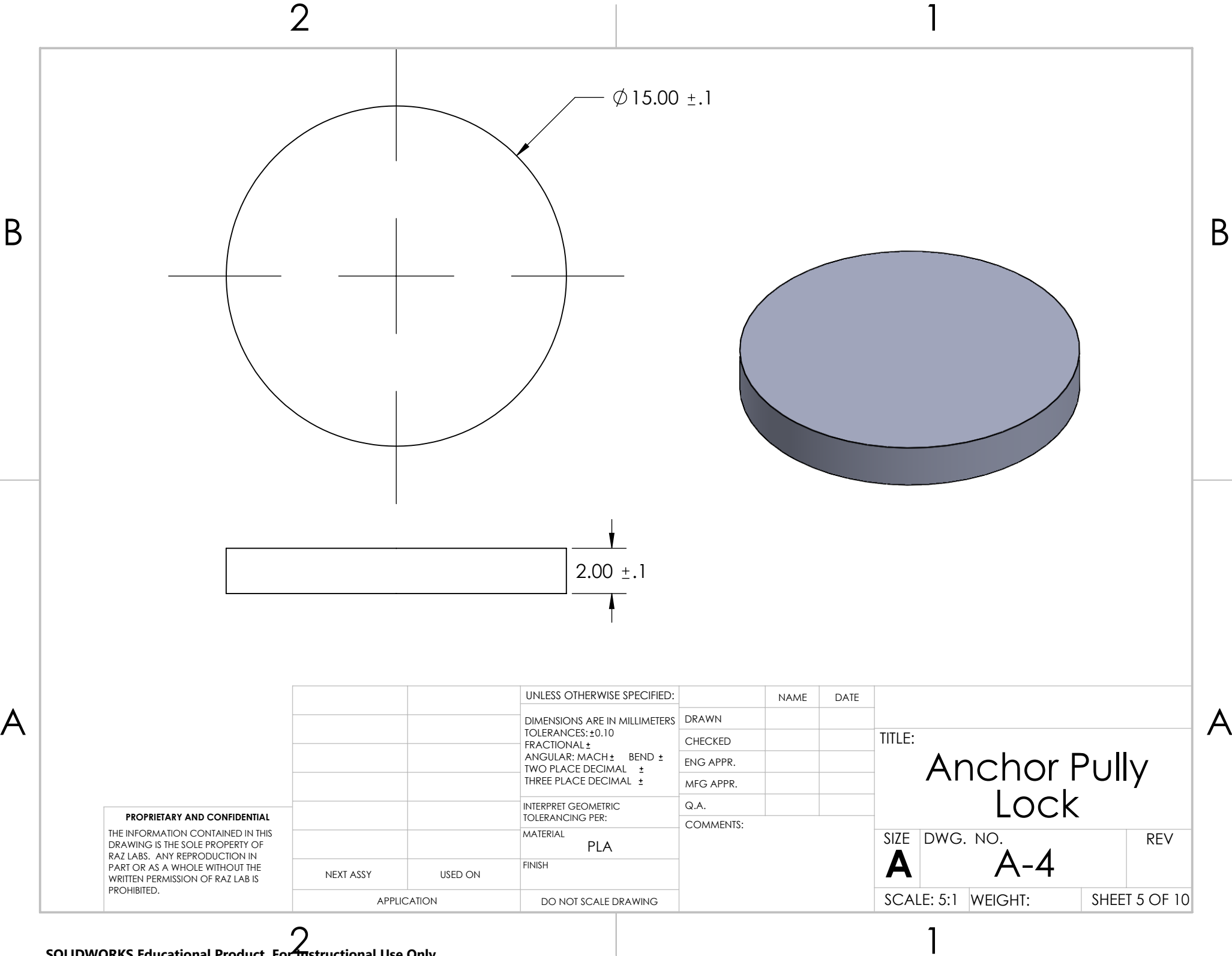
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		TOLERANCES: $\pm 0.10$
		FRACTIONAL $\pm$
		ANGULAR: MACH $\pm$ BEND $\pm$
		TWO PLACE DECIMAL $\pm$
		THREE PLACE DECIMAL $\pm$
		INTERPRET GEOMETRIC TOLERANCING PER:
		MATERIAL PLA
NEXT ASSY	USED ON	FINISH
APPLICATION		DO NOT SCALE DRAWING

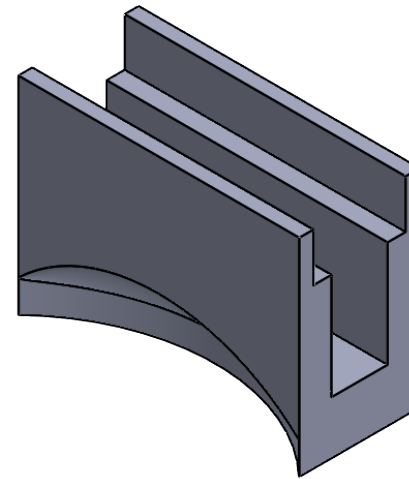
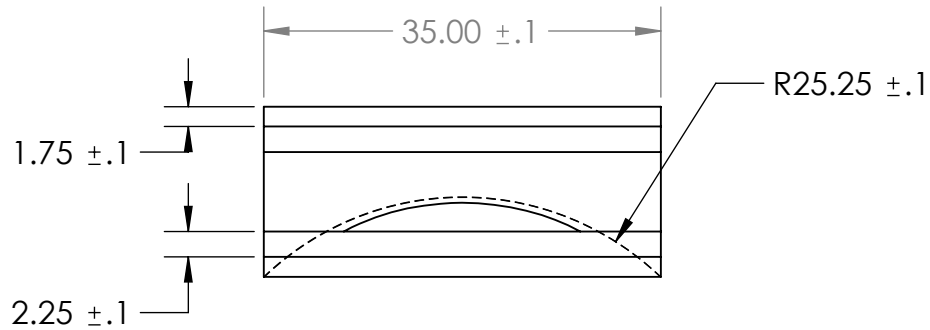
	NAME	DATE
DRAWN		
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

TITLE: Suction Cup Model		
SIZE A	DWG. NO. A2	REV
SCALE: 5:1	WEIGHT:	SHEET 3 OF 10

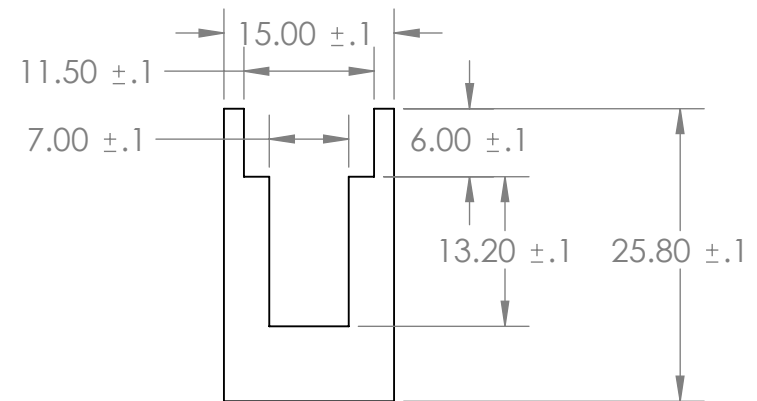
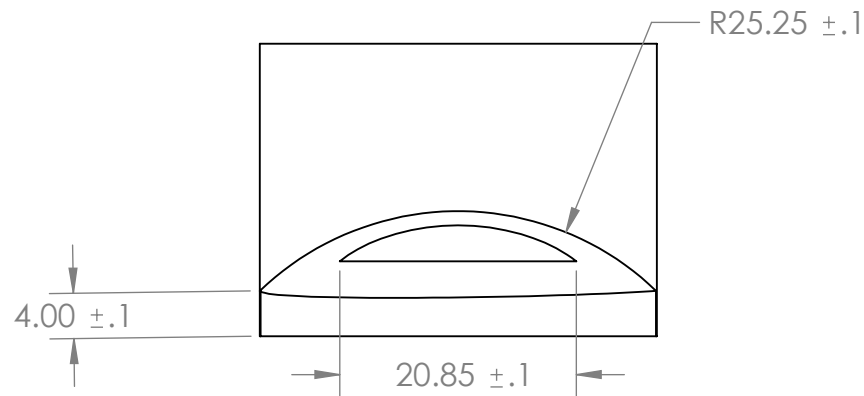




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		TOLERANCES: ±0.10
		FRACTIONAL ±
		ANGULAR: MACH ± BEND ±
		TWO PLACE DECIMAL ±
		THREE PLACE DECIMAL ±
		INTERPRET GEOMETRIC TOLERANCING PER:
		MATERIAL PLA
NEXT ASSY	USED ON	FINISH
APPLICATION		DO NOT SCALE DRAWING

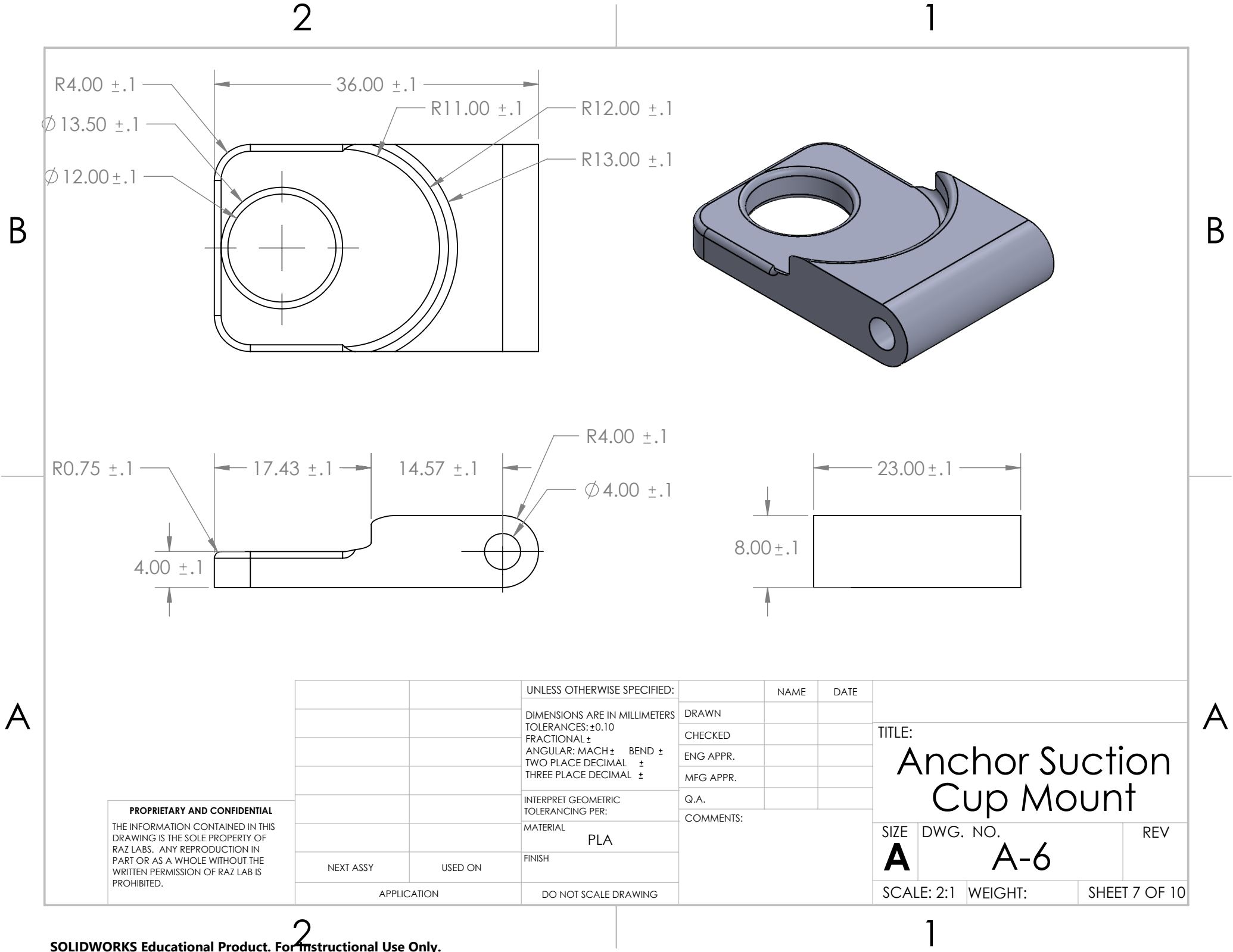
	NAME	DATE
DRAWN		
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

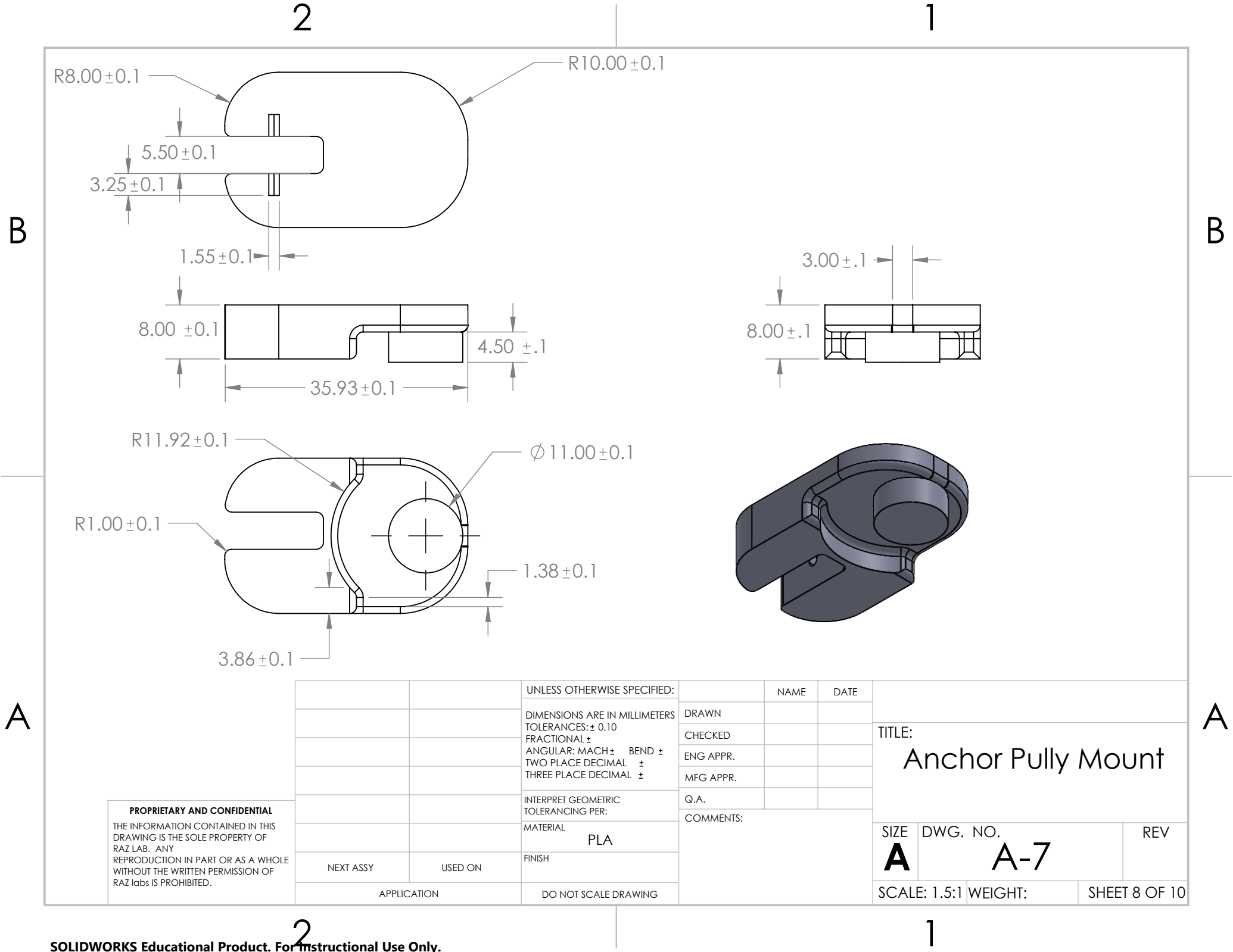
TITLE:

# Anchor Clamp Mount

SIZE	DWG. NO.	REV
<b>A</b>	<b>A-5</b>	
SCALE: 1.5:1		WEIGHT:
SHEET 6 OF 10		



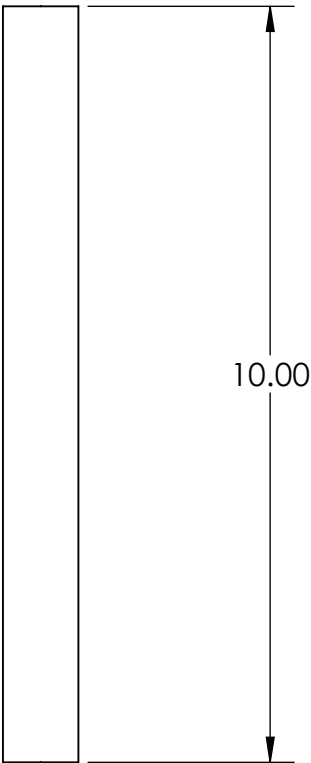




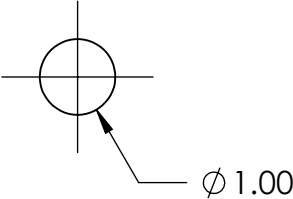
ISOMETRIC VIEW



FRONT VIEW



TOP VIEW



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		TOLERANCES: ±0.10mm
		FRACTIONAL ±
		ANGULAR: MACH ± BEND ±
		TWO PLACE DECIMAL ±
		THREE PLACE DECIMAL ±
		INTERPRET GEOMETRIC
		TOLERANCING PER:
		MATERIAL
		STEEL
NEXT ASSY	USED ON	FINISH
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	JM	11/21/25
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

TITLE:  
**Idler Pulley Shaft**

SIZE	DWG. NO.	REV
<b>A</b>	<b>A-8</b>	
SCALE: 10:1	WEIGHT:	SHEET 9 OF 10

