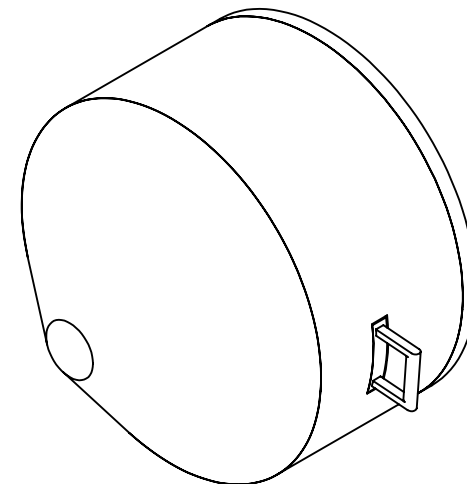
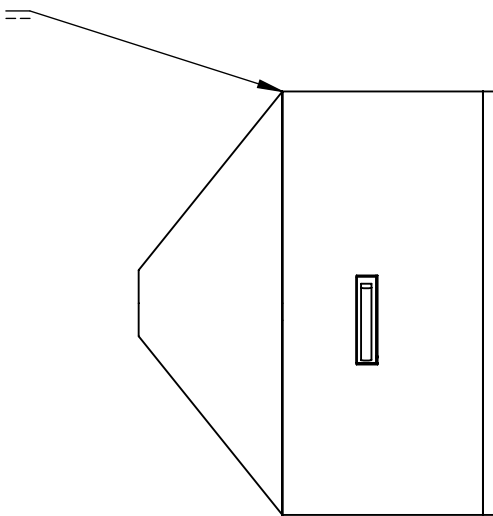
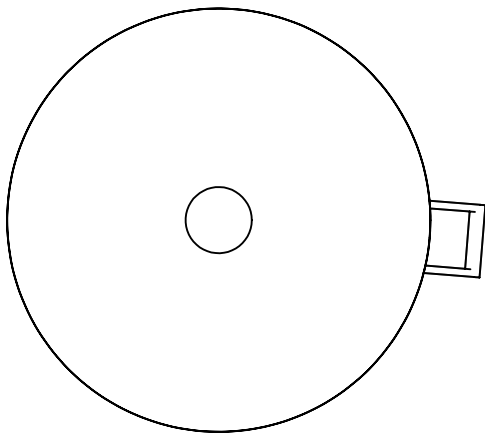
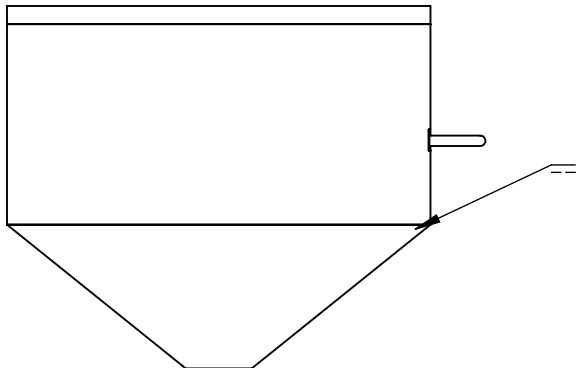


B

A



B

A

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS  
DRAWING IS THE SOLE PROPERTY OF  
<INSERT COMPANY NAME HERE>. ANY  
REPRODUCTION IN PART OR AS A WHOLE  
WITHOUT THE WRITTEN PERMISSION OF  
<INSERT COMPANY NAME HERE> IS  
PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:
		DIMENSIONS ARE IN MM
		TOLERANCES: MM
		CIRCULARITY: $\text{○} 0.2$
		INTERPRET GEOMETRIC
		TOLERANCING PER:
		MATERIAL
NEXT ASSY	USED ON	FINISH 63 OR BETTER
APPLICATION		DO NOT SCALE DRAWING

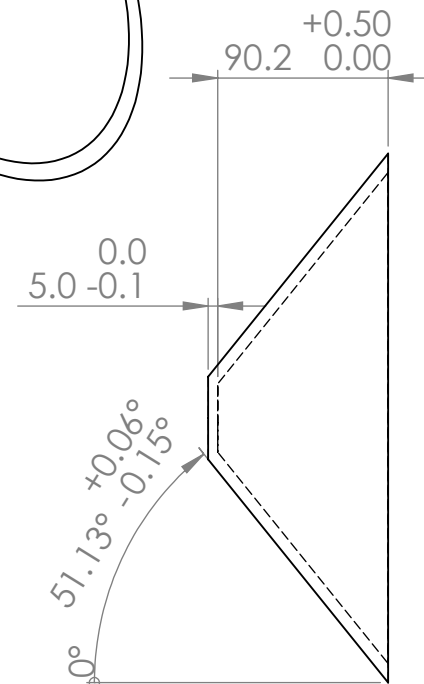
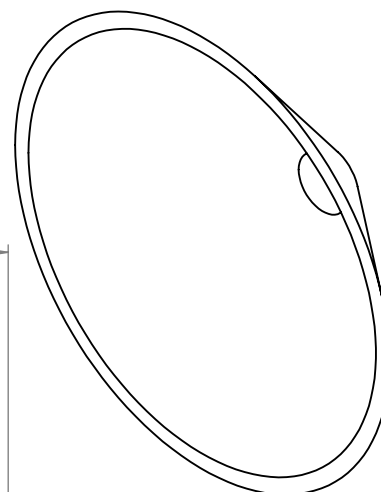
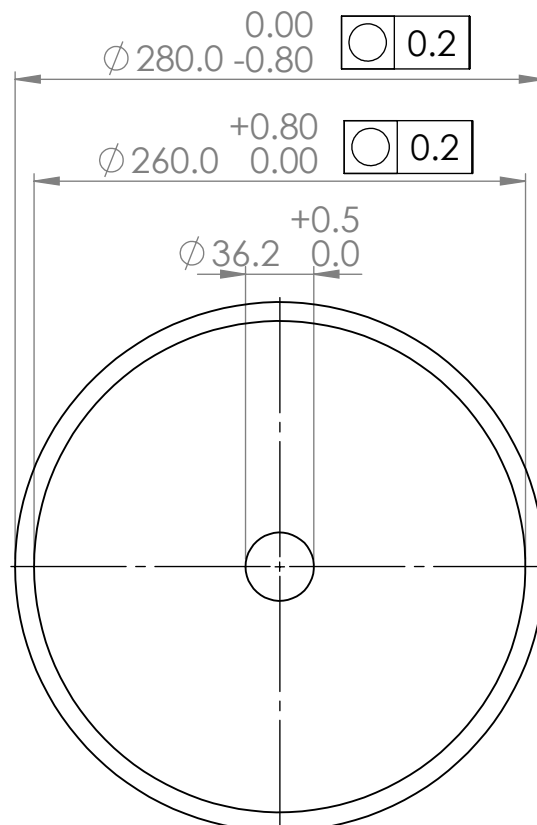
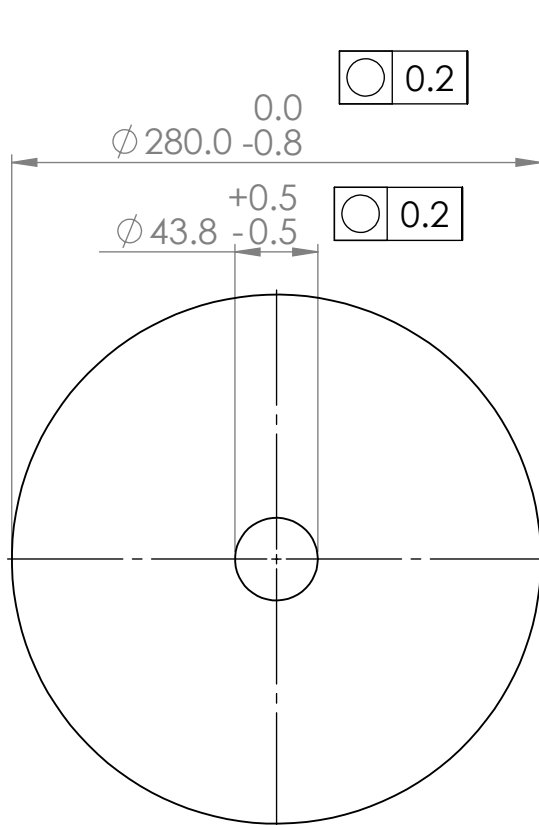
	NAME	DATE
DRAWN	JEB	9/8/16
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		
FULL ASSEMBLY		

University of California, Berkeley		
TITLE:		
ENERGY TUNING ASSEMBLY FOR 88" CYCLOTRON		
SIZE	DWG. NO.	REV
<b>A</b>	<b>ETA</b>	<b>1</b>
SCALE: 1:5		SHEET 1 OF 21

2

1

B



B

A

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN MM TOLERANCES: MM	DRAWN	JEB	9/8/16
			CHECKED		
			ENG APPR.		
			MFG APPR.		
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
		MATERIAL: AL 6061-T6	COMMENTS: BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS		
		FINISH 63 OR BETTER			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

University of California, Berkeley

TITLE:  
CASE\_1 FOR  
ENERGY TUNING ASSEMBLY  
FOR 88" CYCLOTRON

SIZE	DWG. NO.	REV
<b>A</b>	<b>ETA</b>	<b>1</b>
SCALE: 1:4		SHEET 2 OF 21

2

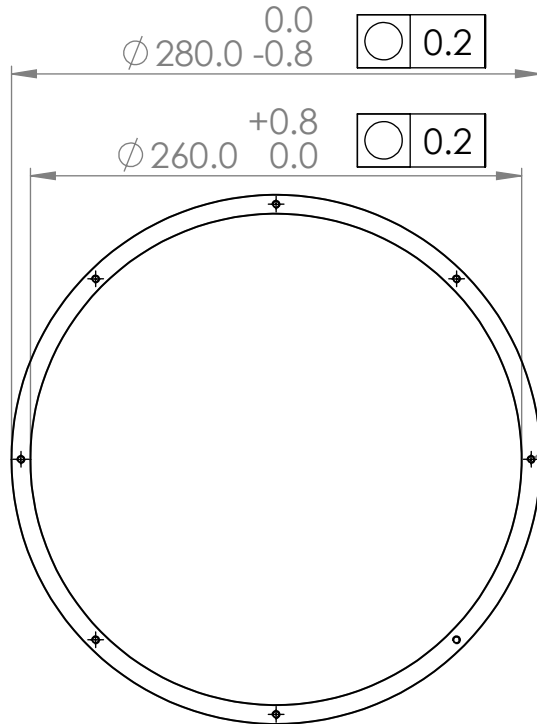
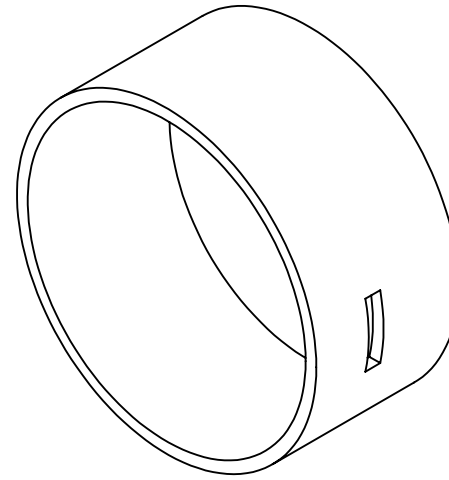
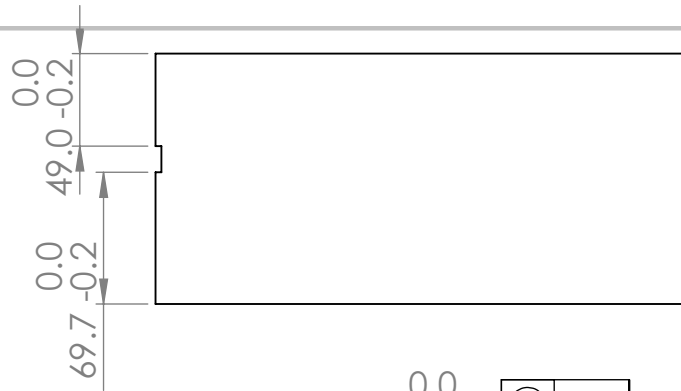
1

B

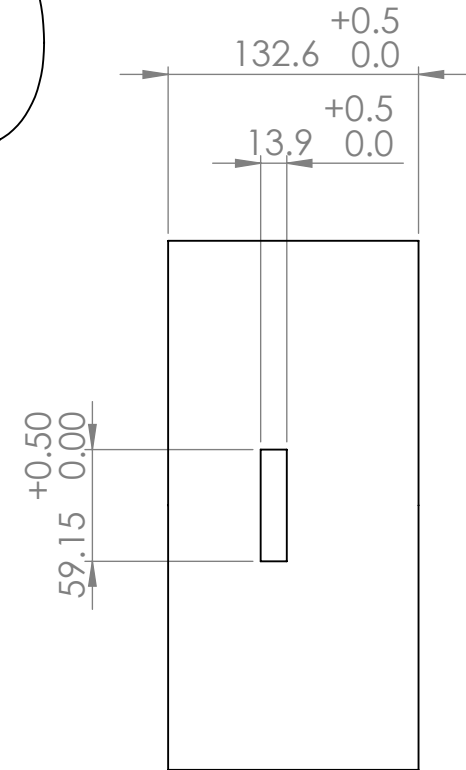
B

A

A



8 x  $\phi 3.30 \nabla 20.00$   
M4x0.7 - 6H  $\nabla 18.00$



**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:
		DIMENSIONS ARE IN MM TOLERANCES: MM
		INTERPRET GEOMETRIC TOLERANCING PER:
		MATERIAL: AL 6061-T6
NEXT ASSY	USED ON	FINISH 63 OR BETTER
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	JEB	9/8/16
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		
BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS		

University of California, Berkeley		
TITLE: CASE_2 ENERGY TUNING ASSEMBLY FOR 88" CYCLOTRON		
SIZE <b>A</b>	DWG. NO. <b>ETA</b>	REV <b>1</b>
SCALE: 1:4	SHEET 3 OF 21	

2

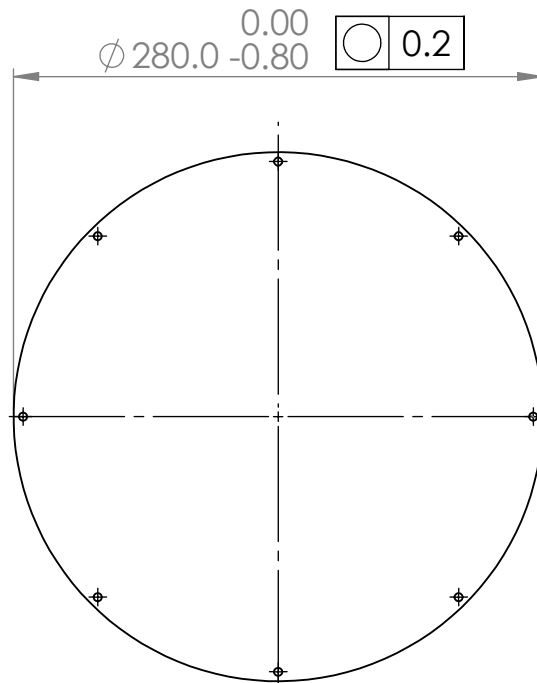
1

B

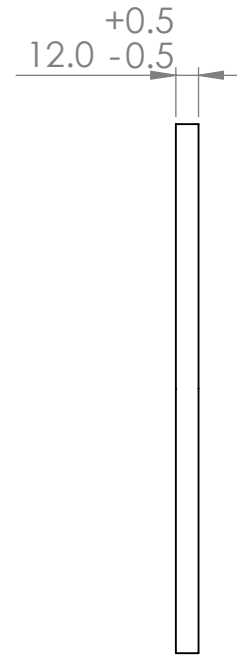
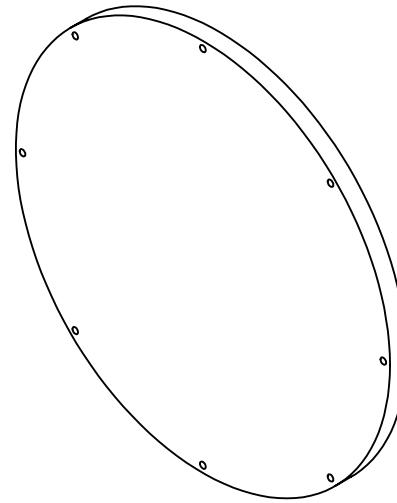
A

B

A



8 x  $\varnothing$  4.30 THRU ALL  
✓  $\varnothing$  9.40 X 90°



**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

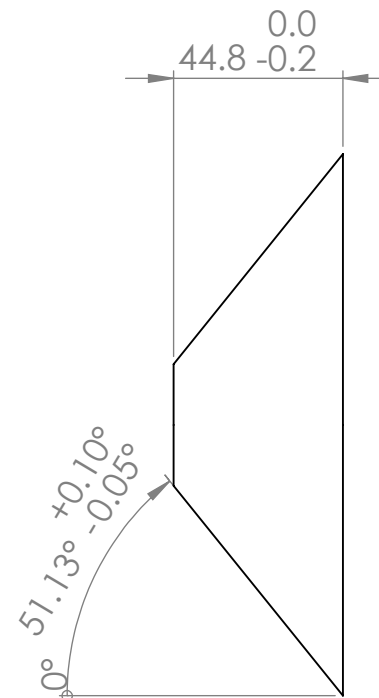
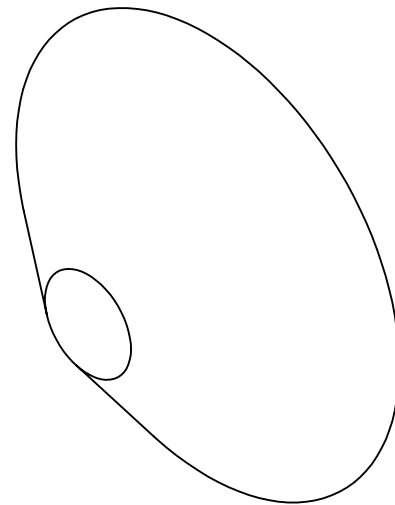
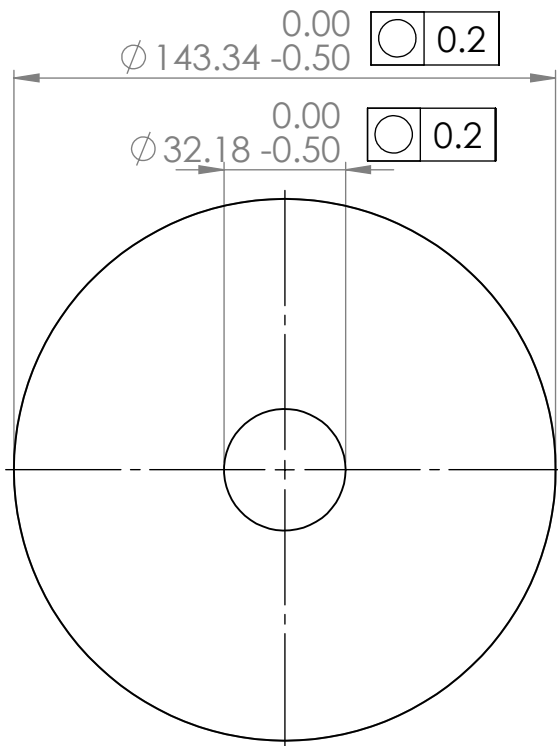
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	University of California, Berkeley		
		DIMENSIONS ARE IN MM TOLERANCES: MM	DRAWN	JEB	9/8/16	TITLE: CASE_3 ENERGY TUNING ASSSEMBLY FOR 88" CYCLOTRON		
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE <b>A</b>		
		MATERIAL: AL 6061-T6	COMMENTS:  BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS					
		FINISH 63 OR BETTER						
NEXT ASSY	USED ON					DWG. NO. <b>ETA</b>		REV <b>1</b>
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:4		SHEET 4 OF 21

2

1

B

A



B

A

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

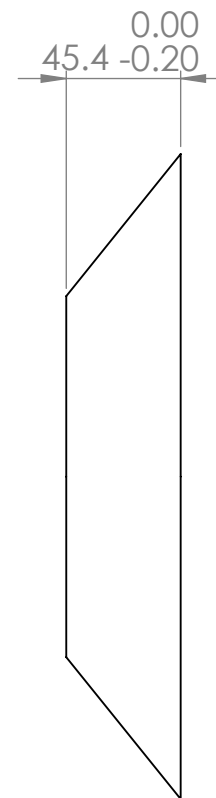
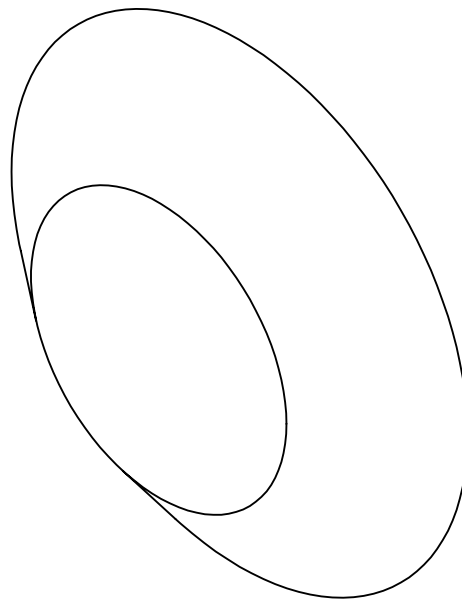
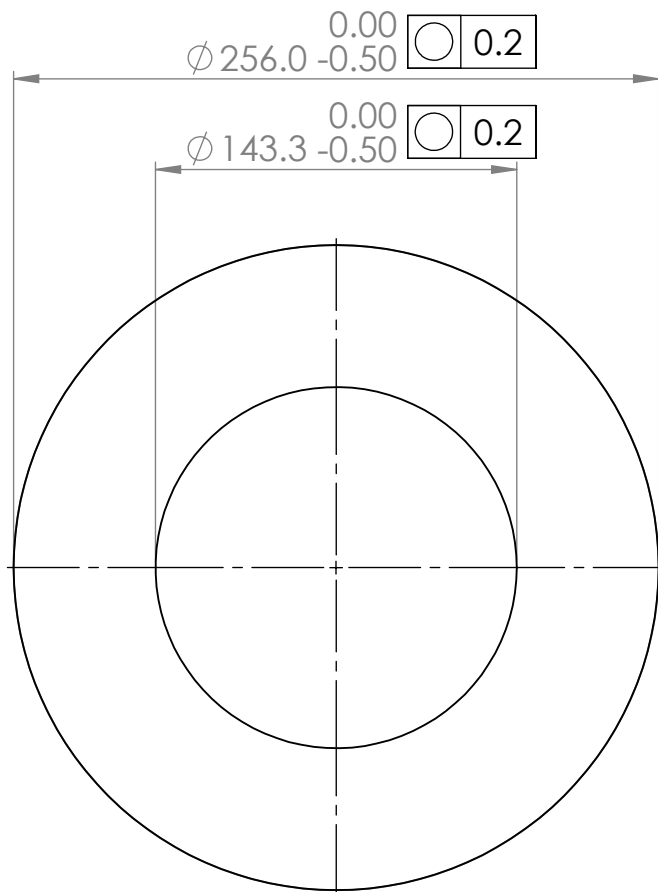
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	University of California, Berkeley		
		DIMENSIONS ARE IN MM TOLERANCES: MM	DRAWN	JEB	9/8/16	TITLE: W LAYER ENERGY TUNING ASSSEMBLY FOR 88" CYCLOTRON		
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE <b>A</b>		
		MATERIAL: 3N TUNGSTEN (W)	COMMENTS:  BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS					
		FINISH 63 OR BETTER						
NEXT ASSY	USED ON					DWG. NO. <b>ETA</b>		REV <b>1</b>
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:2		SHEET 5 OF 21

2

1

B

A



B

A

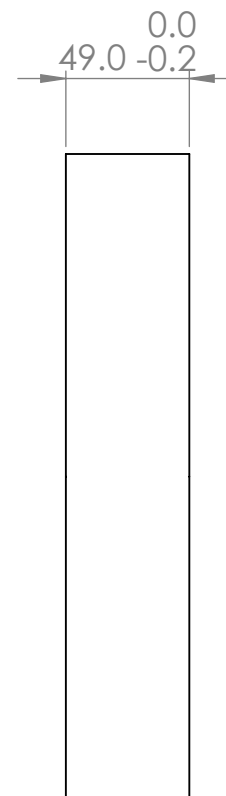
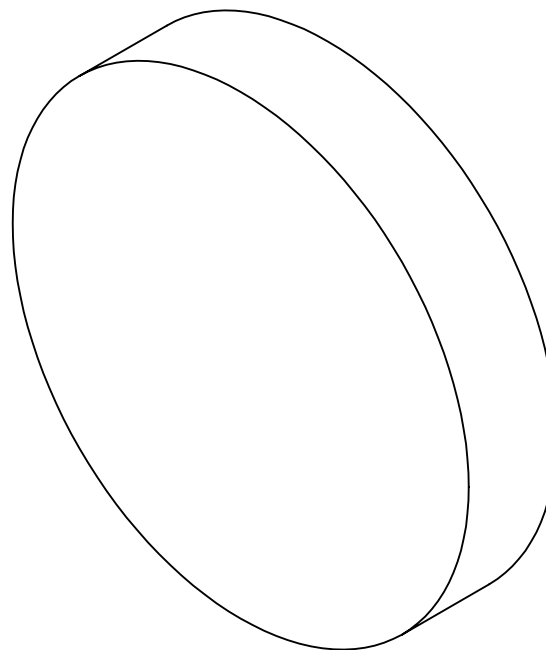
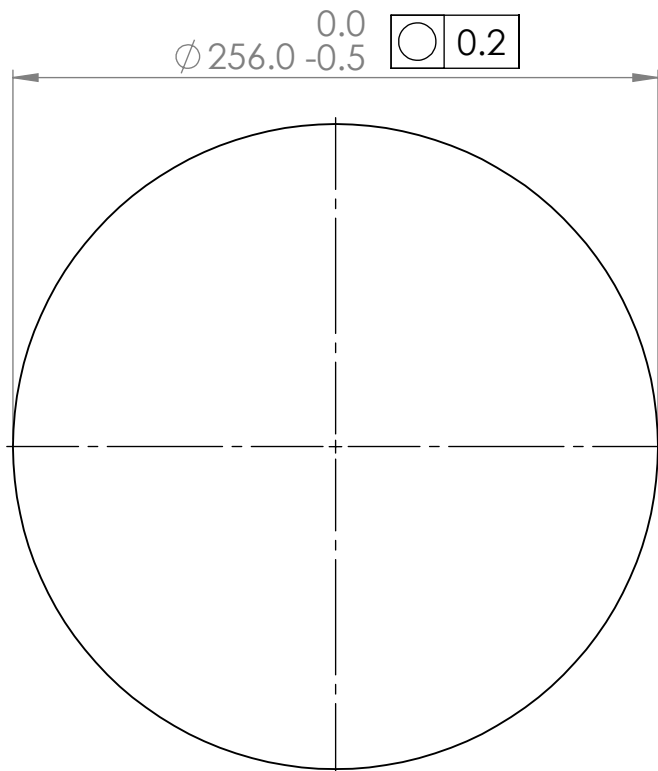
**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	University of California, Berkeley		
		DIMENSIONS ARE IN MM TOLERANCES: MM	DRAWN	JEB	9/8/16	TITLE: BI_1 LAYER ENERGY TUNING ASSSEMBLY FOR 88" CYCLOTRON		
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE <b>A</b>		
		MATERIAL: 3N BISMUTH (BI)	COMMENTS:  BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS					
		FINISH 63 OR BETTER						
NEXT ASSY	USED ON					DWG. NO. <b>ETA</b>	REV <b>1</b>	
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:3		SHEET 6 OF 21

2

1

B



B

A

A

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	University of California, Berkeley		
		DIMENSIONS ARE IN MM TOLERANCES: MM	DRAWN	JEB	9/8/16	TITLE: BI_2 LAYER ENERGY TUNING ASSSEMBLY FOR 88" CYCLOTRON		
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE <b>A</b>		
		MATERIAL: 3N BISMUTH (BI)	COMMENTS:  BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS					
		FINISH 63 OR BETTER						
NEXT ASSY	USED ON					DWG. NO. <b>ETA</b>	REV <b>1</b>	
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:3		SHEET 7 OF 21

2

1

B

B

A

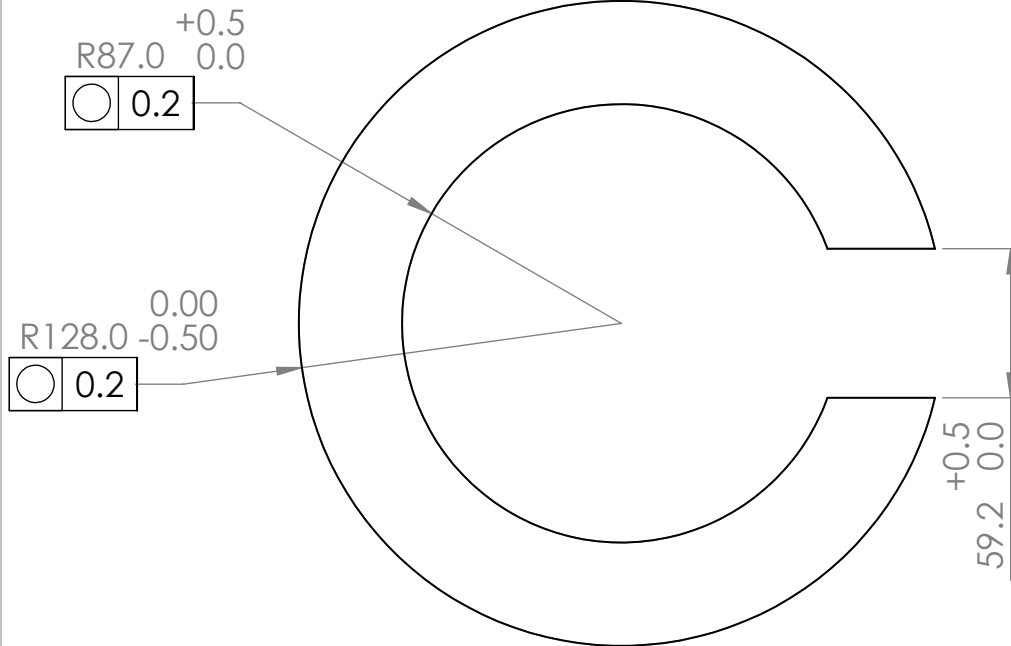
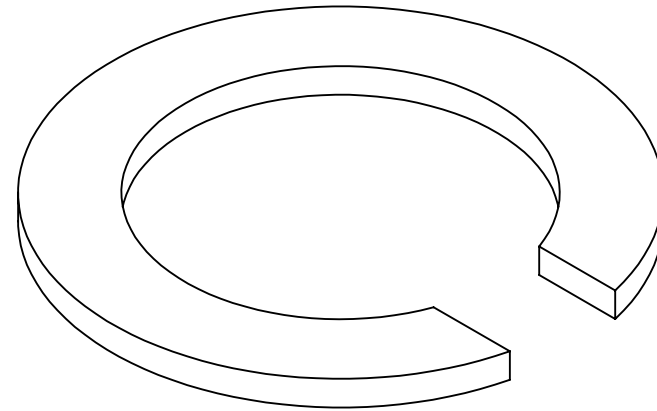
A

2

1

2

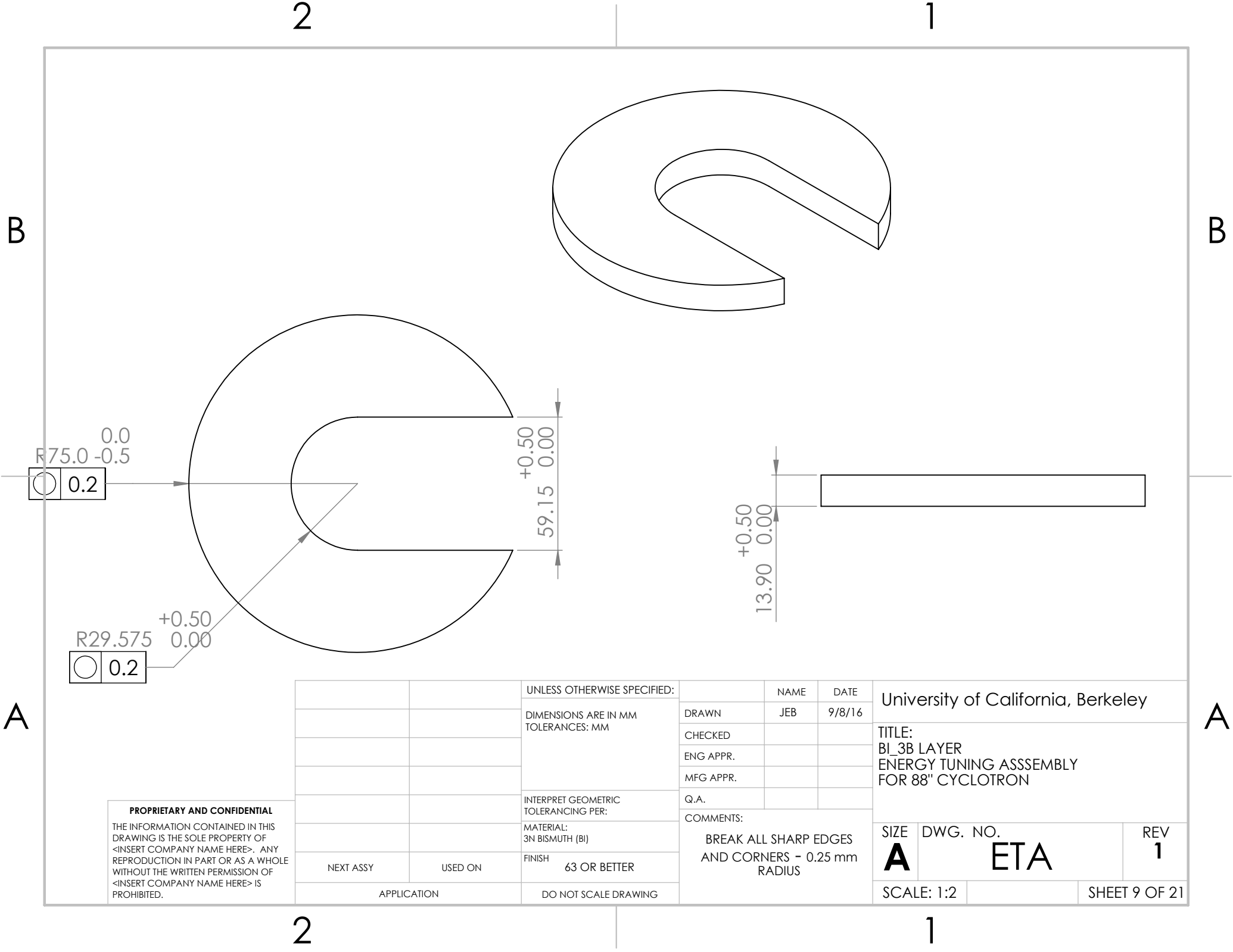
1



**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN MM TOLERANCES: MM	DRAWN	JEB	9/8/16	University of California, Berkeley						
			CHECKED			TITLE: BI_3A LAYER ENERGY TUNING ASSEMBLY FOR 88" CYCLOTRON						
			ENG APPR.									
			MFG APPR.									
			INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE <b>A</b>					
		MATERIAL: 3N BISMUTH (BI)	COMMENTS:  BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS			DWG. NO. <b>ETA</b>					REV <b>1</b>	
		FINISH 63 OR BETTER										
NEXT ASSY	USED ON					SCALE: 1:3			SHEET 8 OF 21			
APPLICATION		DO NOT SCALE DRAWING										





A

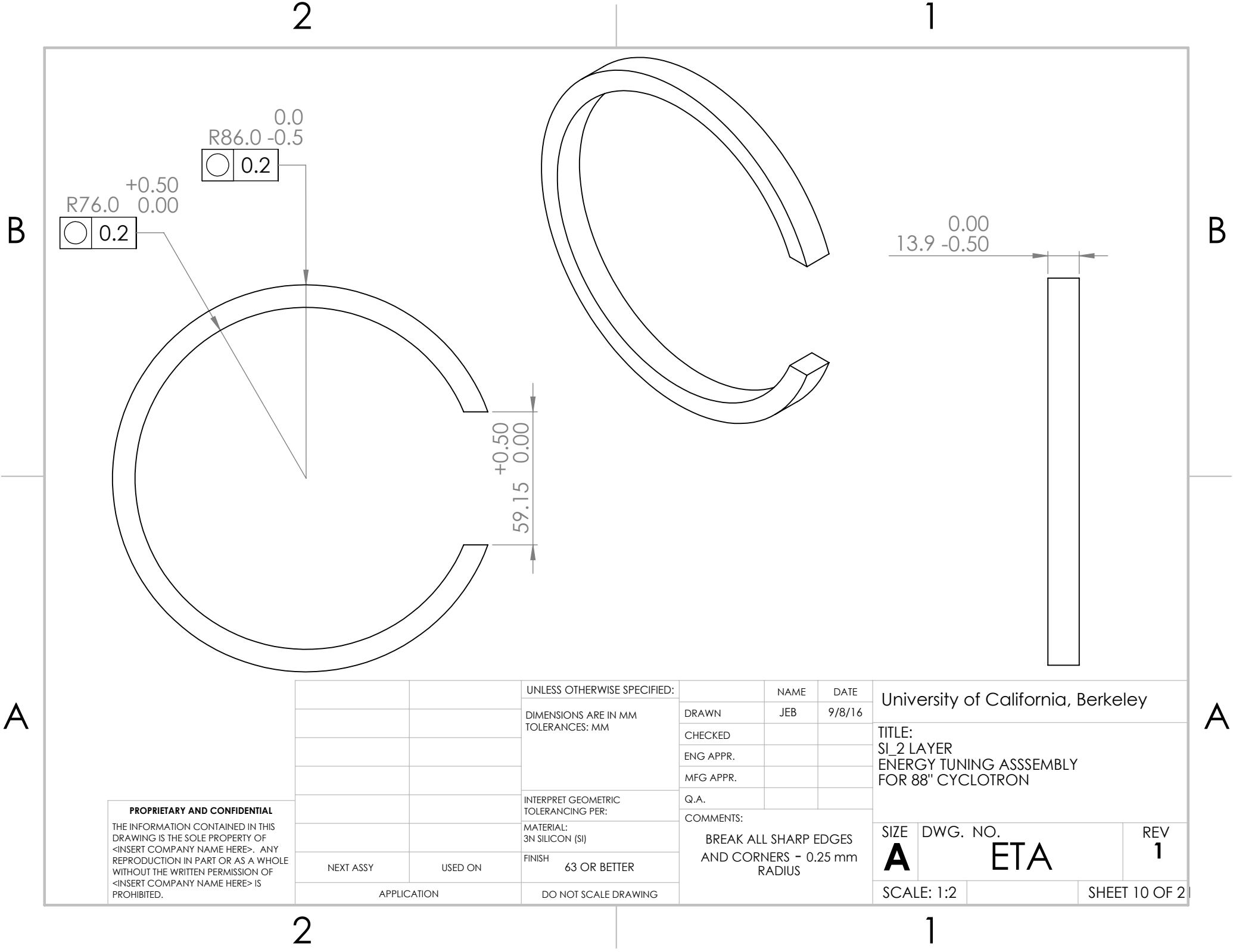
A

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:
		DIMENSIONS ARE IN MM TOLERANCES: MM
		INTERPRET GEOMETRIC TOLERANCING PER:
		MATERIAL: 3N BISMUTH (BI)
NEXT ASSY	USED ON	FINISH 63 OR BETTER
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	JEB	9/8/16
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS: BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS		

University of California, Berkeley		
TITLE: BI_3B LAYER ENERGY TUNING ASSEMBLY FOR 88" CYCLOTRON		
SIZE <b>A</b>	DWG. NO. <b>ETA</b>	REV <b>1</b>
SCALE: 1:2		SHEET 9 OF 21



A

A

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

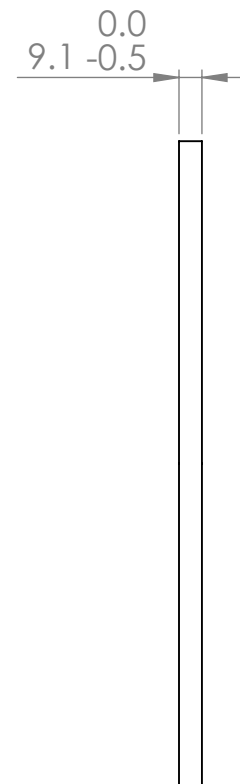
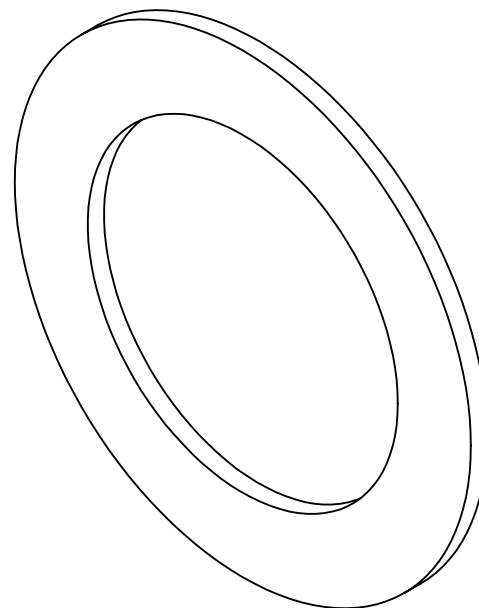
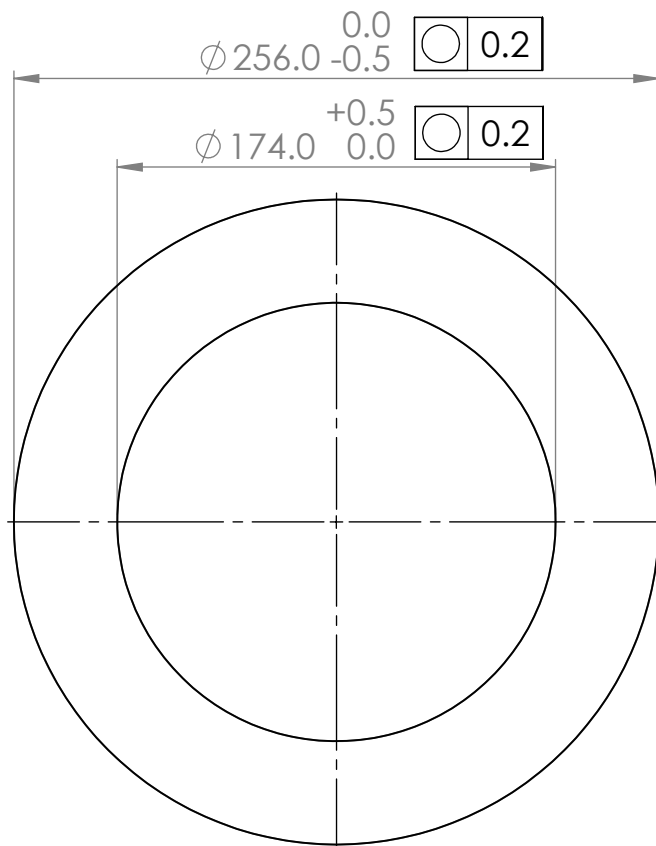
		UNLESS OTHERWISE SPECIFIED:
		DIMENSIONS ARE IN MM TOLERANCES: MM
		INTERPRET GEOMETRIC TOLERANCING PER:
		MATERIAL: 3N SILICON (SI)
NEXT ASSY	USED ON	FINISH 63 OR BETTER
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	JEB	9/8/16
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:  BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS		

University of California, Berkeley		
TITLE: SL 2 LAYER ENERGY TUNING ASSEMBLY FOR 88" CYCLOTRON		
SIZE <b>A</b>	DWG. NO. <b>ETA</b>	REV <b>1</b>
SCALE: 1:2		SHEET 10 OF 2

B

A



B

A

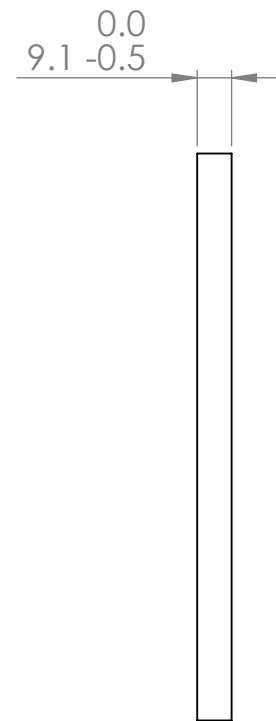
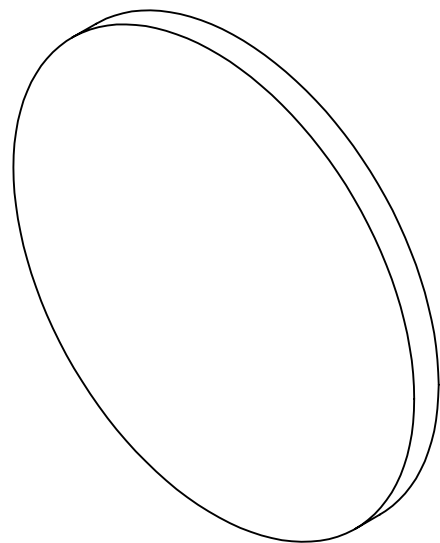
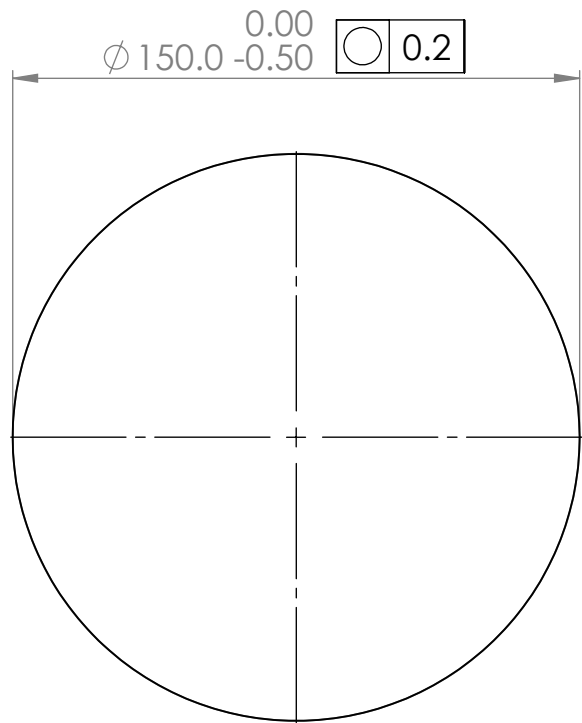
**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	University of California, Berkeley		
		DIMENSIONS ARE IN MM TOLERANCES: MM	DRAWN	JEB	9/8/16			
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			TITLE: BI_4A LAYER ENERGY TUNING ASSSEMBLY FOR 88" CYCLOTRON		
		MATERIAL: 3N BISMUTH (BI)	COMMENTS:  BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS					
		FINISH 63 OR BETTER						
NEXT ASSY	USED ON					SIZE <b>A</b>	DWG. NO. <b>ETA</b>	REV <b>1</b>
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:3		SHEET 11 OF 2

2

1

B



B

A

A

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

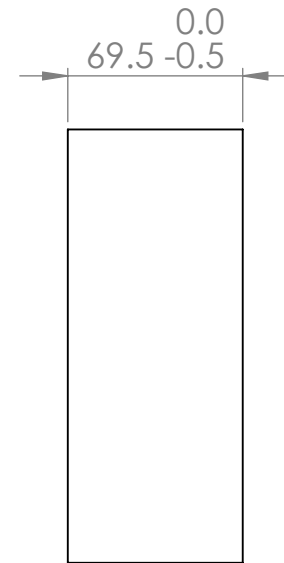
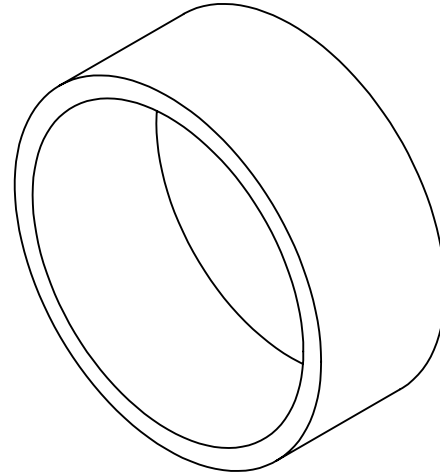
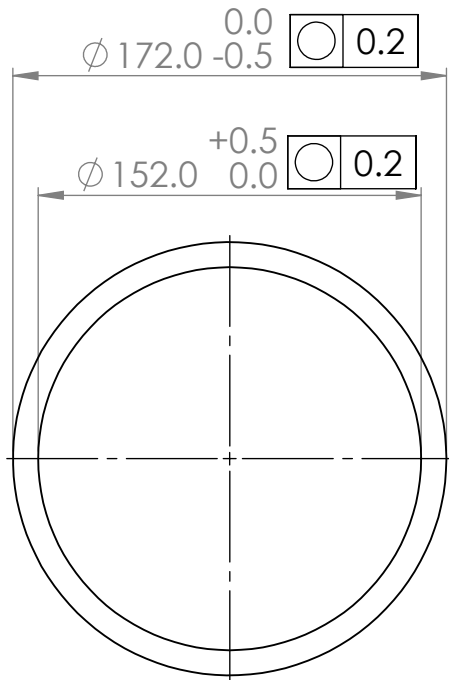
		UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN MM TOLERANCES: MM		NAME	DATE	University of California, Berkeley  TITLE: BI_4B LAYER ENERGY TUNING ASSEMBLY FOR 88" CYCLOTRON		
			DRAWN	JEB	9/8/16			
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE    DWG. NO.    REV <b>A</b> <b>ETA</b> <b>1</b>		
		MATERIAL: 3N BISMUTH (BI)	COMMENTS:  BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS					
		FINISH                    63 OR BETTER						
NEXT ASSY	USED ON					SCALE: 1:2                    SHEET 12 OF 2		
APPLICATION		DO NOT SCALE DRAWING						

2

1

B

A



B

A

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

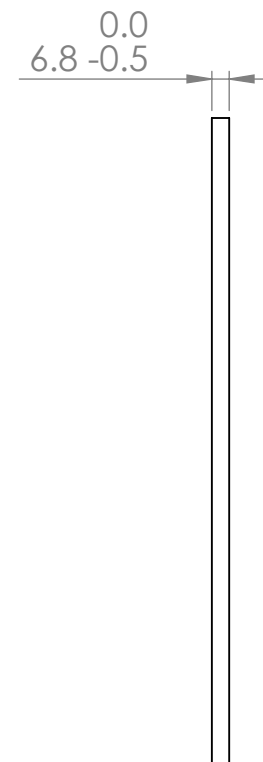
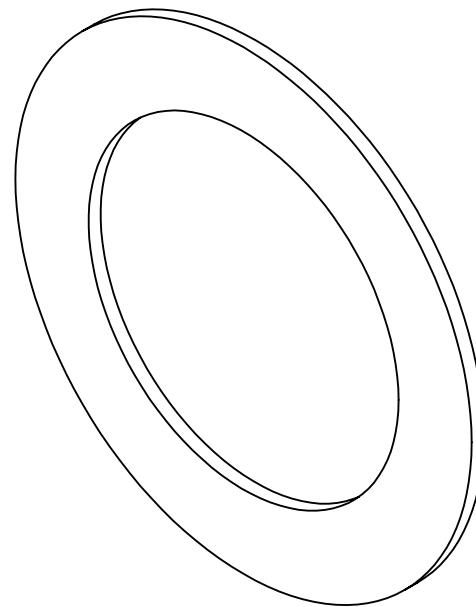
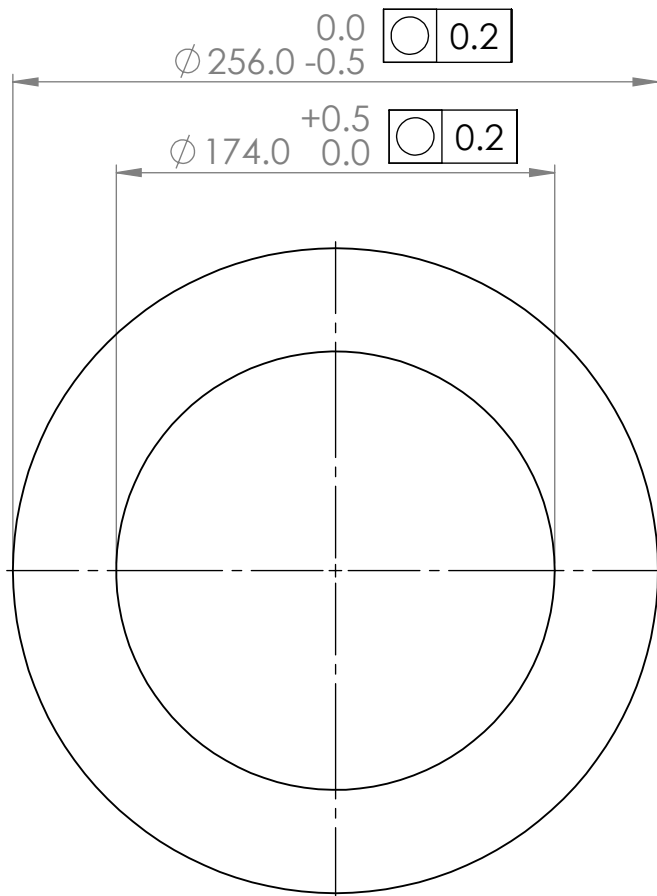
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	University of California, Berkeley		
		DIMENSIONS ARE IN MM TOLERANCES: MM	DRAWN	JEB	9/8/16	TITLE: SI_3 LAYER ENERGY TUNING ASSEMBLY FOR 88" CYCLOTRON		
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE DWG. NO. REV		
		MATERIAL: 3N SILICON (SI)	COMMENTS:  BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS					
		FINISH 63 OR BETTER						
NEXT ASSY	USED ON					ETA		1
APPLICATION		DO NOT SCALE DRAWING			SCALE: 1:3			SHEET 13 OF 2

2

1

B

A



B

A

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

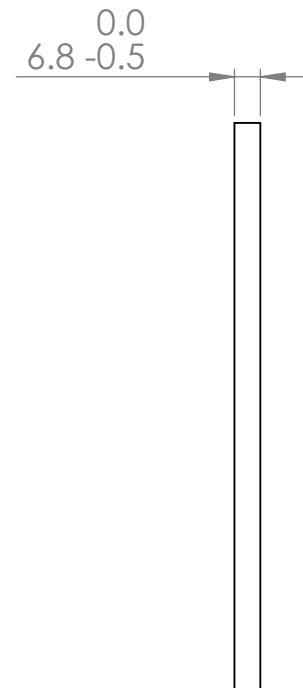
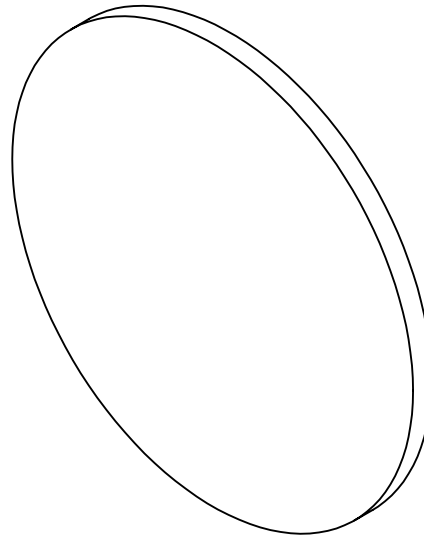
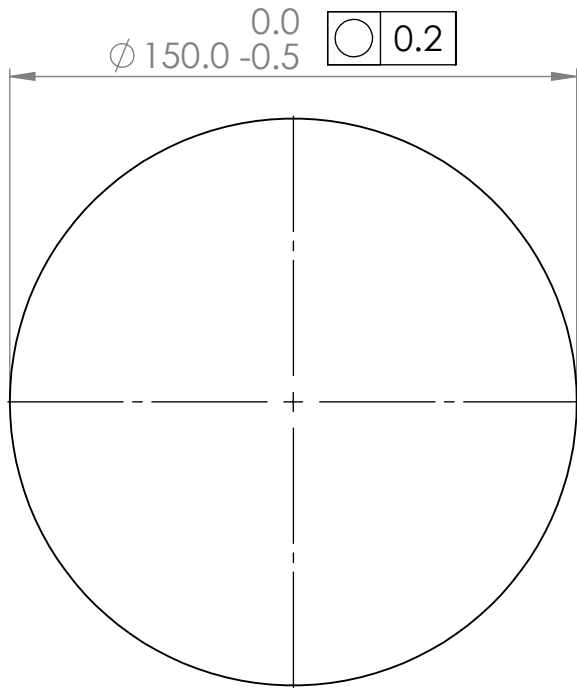
		UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN MM TOLERANCES: MM	DRAWN	JEB	9/8/16	University of California, Berkeley							
			CHECKED			TITLE: Pr_A LAYER ENERGY TUNING ASSSEMBLY FOR 88" CYCLOTRON							
			ENG APPR.										
			MFG APPR.										
			INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE <b>A</b>						
		MATERIAL: 3N Praseodymium (Pr)	COMMENTS:  BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS			DWG. NO. <b>ETA</b>					REV <b>1</b>		
		FINISH 63 OR BETTER											
NEXT ASSY	USED ON					SCALE: 1:3			SHEET 14 OF 2				
APPLICATION		DO NOT SCALE DRAWING											

2

1

B

A



B

A

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

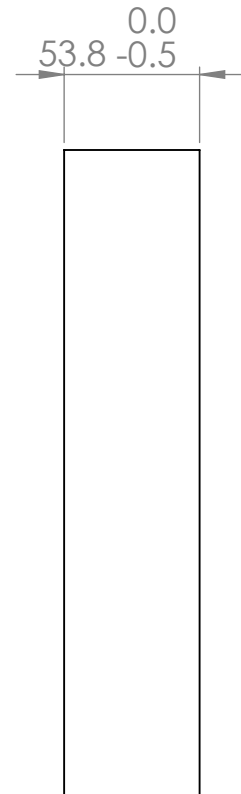
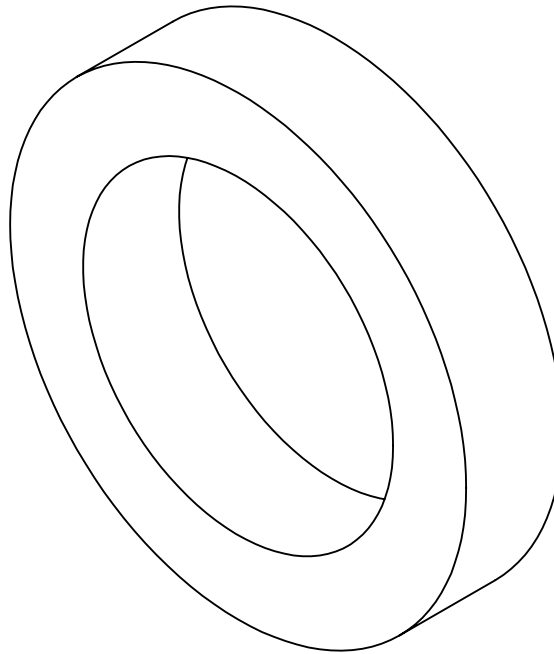
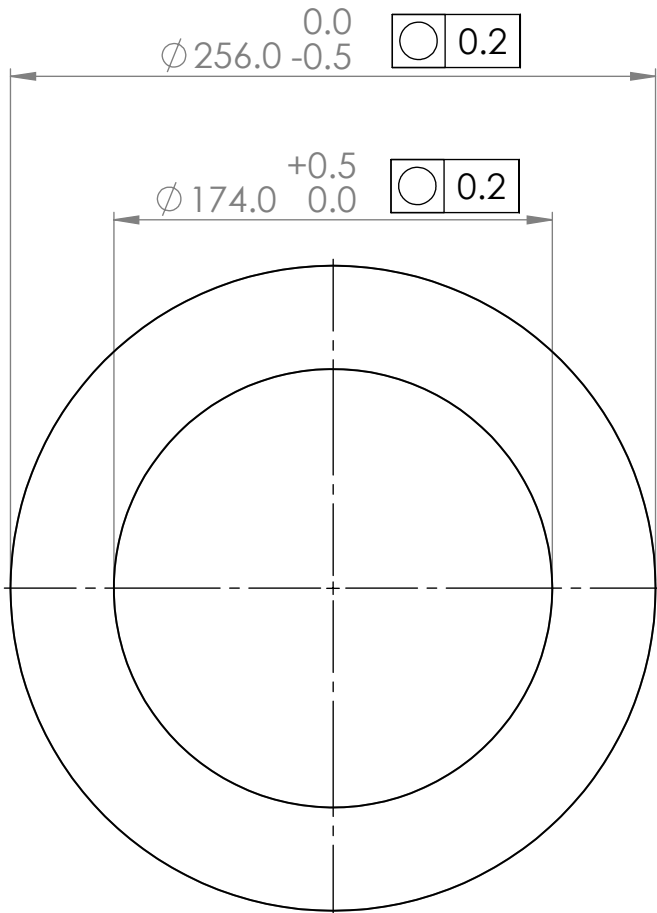
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	University of California, Berkeley		
		DIMENSIONS ARE IN MM TOLERANCES: MM	DRAWN	JEB	9/8/16	TITLE: Pr_B LAYER ENERGY TUNING ASSEMBLY FOR 88" CYCLOTRON		
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE <b>A</b>		
		MATERIAL: 3N Praseodymium (Pr)	COMMENTS:  BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS					
		FINISH 63 OR BETTER						
NEXT ASSY	USED ON					DWG. NO. <b>ETA</b>	REV <b>1</b>	
APPLICATION		DO NOT SCALE DRAWING			SCALE: 1:2			SHEET 15 OF 2

2

1

B

A



B

A

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN MM TOLERANCES: MM	DRAWN	NAME JEB	DATE 9/8/16	University of California, Berkeley			
			CHECKED			TITLE: B4C_A LAYER ENERGY TUNING ASSEMBLY FOR 88" CYCLOTRON			
			ENG APPR.						
			MFG APPR.						
			INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			COMMENTS:  BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS		
		MATERIAL: 3N BORON CARBIDE (B4C)							
NEXT ASSY	USED ON	FINISH 63 OR BETTER							
APPLICATION		DO NOT SCALE DRAWING					SIZE A	DWG. NO. ETA	REV 1
							SCALE: 1:3		SHEET 16 OF 2

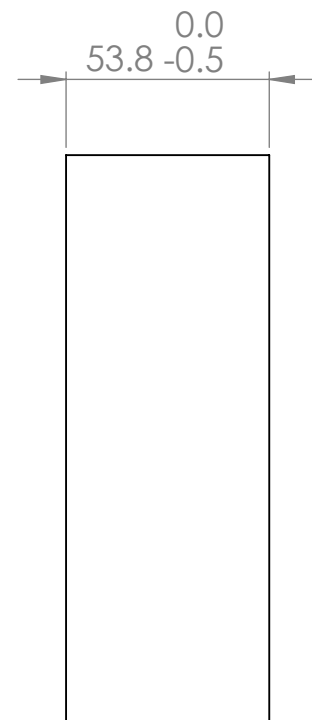
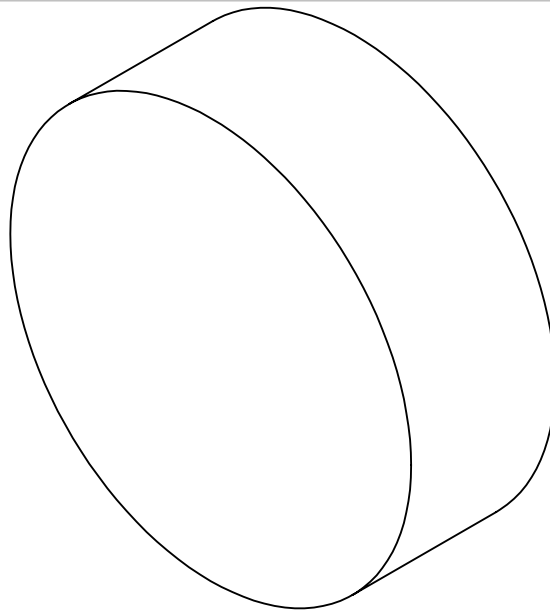
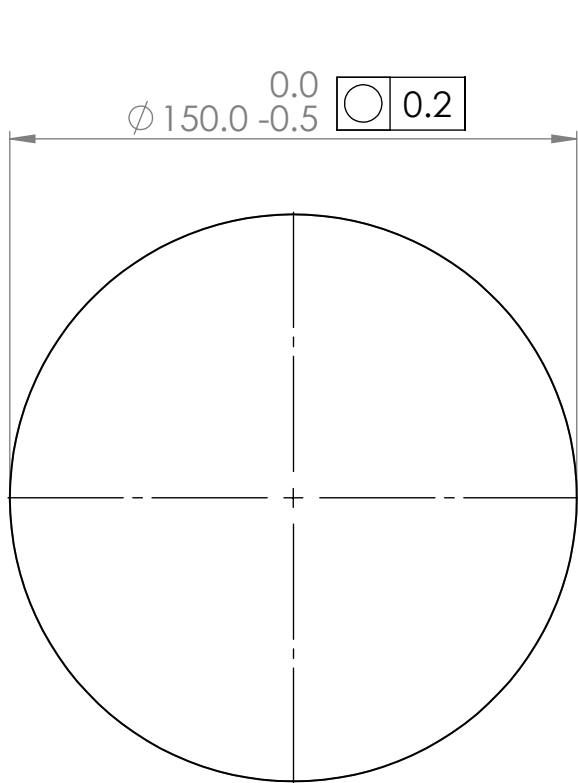
2

1



B

A



B

A

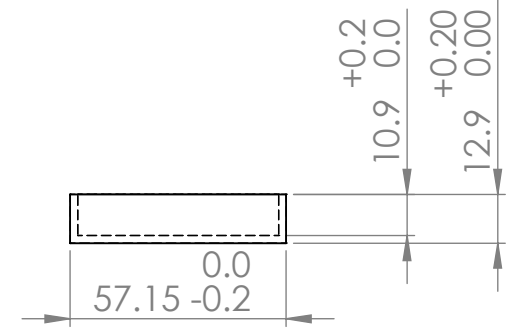
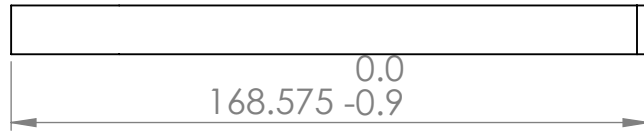
**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS  
DRAWING IS THE SOLE PROPERTY OF  
<INSERT COMPANY NAME HERE>. ANY  
REPRODUCTION IN PART OR AS A WHOLE  
WITHOUT THE WRITTEN PERMISSION OF  
<INSERT COMPANY NAME HERE> IS  
PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	University of California, Berkeley					
		DIMENSIONS ARE IN MM TOLERANCES: MM	DRAWN	JEB	9/8/16	TITLE: B4C_B LAYER ENERGY TUNING ASSSEMBLY FOR 88" CYCLOTRON					
			CHECKED								
			ENG APPR.								
			MFG APPR.								
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE <b>A</b>					
		MATERIAL: 3N BORON CARBIDE (B4C)	COMMENTS:  BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS								
		FINISH 63 OR BETTER									
NEXT ASSY	USED ON					DWG. NO. <b>ETA</b>		REV <b>1</b>			
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:2		SHEET 17 OF 2			

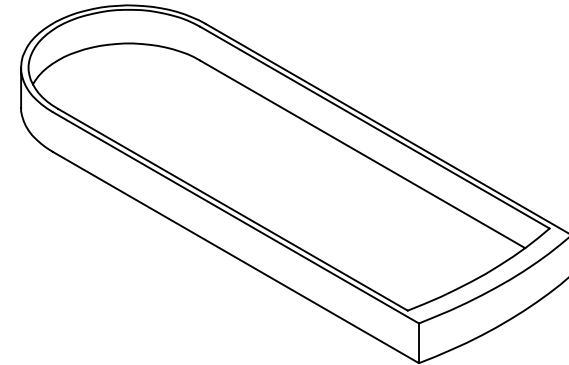
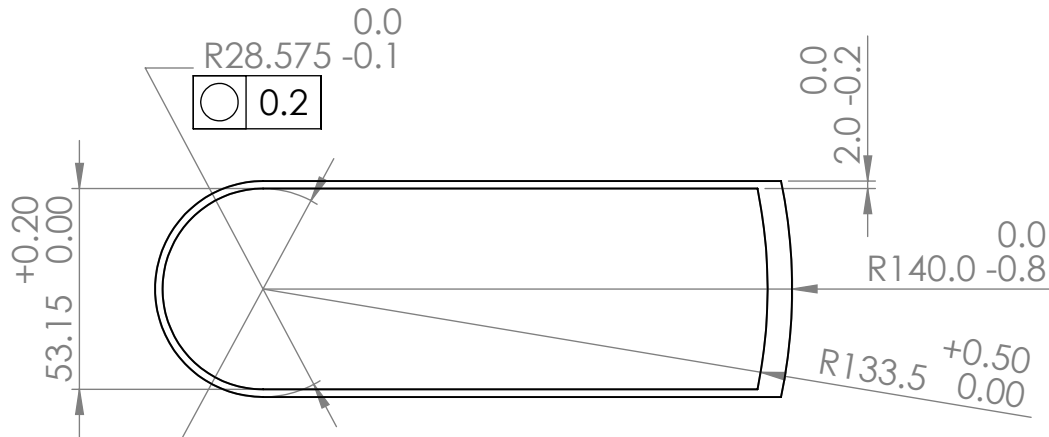
2

1

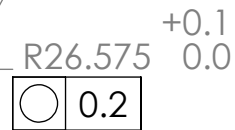
B



B



A



A

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:
		DIMENSIONS ARE IN MM TOLERANCES: MM
		INTERPRET GEOMETRIC TOLERANCING PER:
		MATERIAL: AL 6061-T6
NEXT ASSY	USED ON	FINISH 63 OR BETTER
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	JEB	9/8/16
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS: BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS		

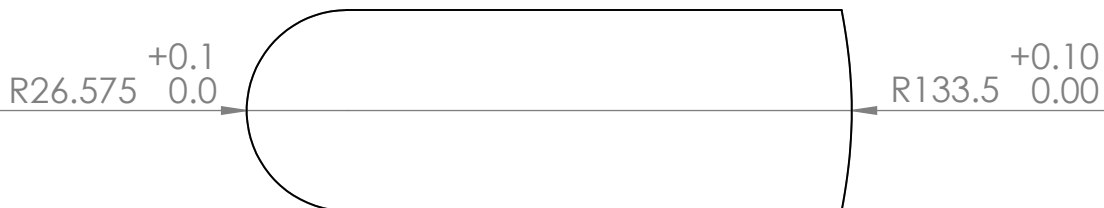
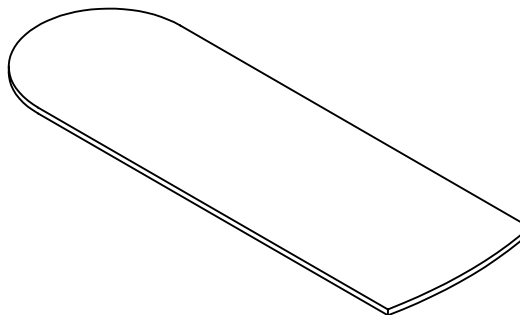
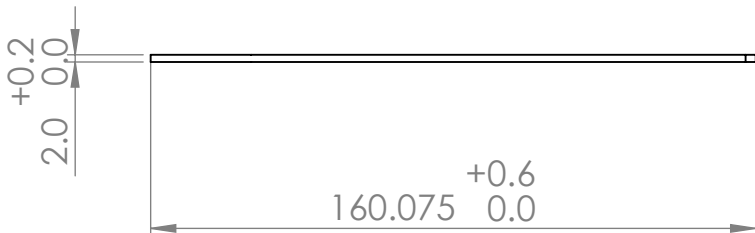
University of California, Berkeley		
TITLE: DRAWER BOTTOM ENERGY TUNING ASSEMBLY FOR 88" CYCLOTRON		
SIZE <b>A</b>	DWG. NO. <b>ETA</b>	REV <b>1</b>
SCALE: 1:2		SHEET 18 OF 21

2

1

B

B



A

A

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

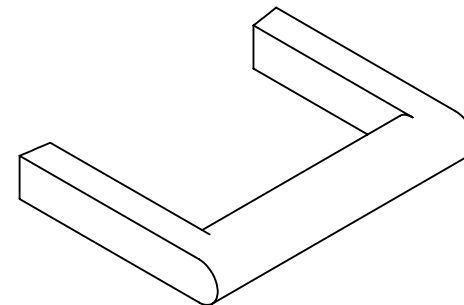
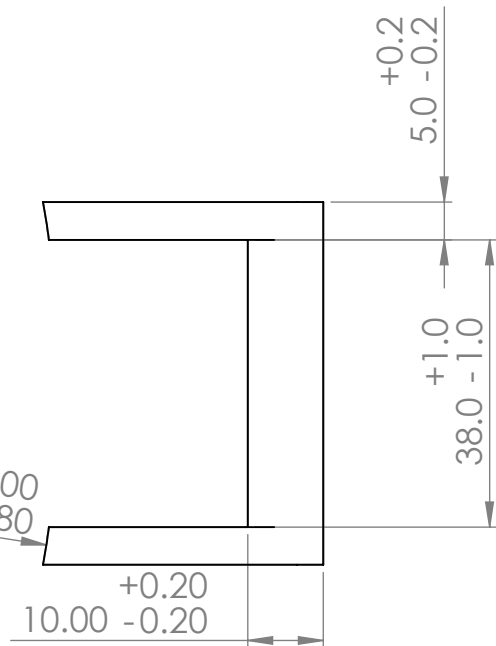
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	University of California, Berkeley		
		DIMENSIONS ARE IN MM TOLERANCES: MM	DRAWN	JEB	9/8/16	TITLE: DRAWER COVER ENERGY TUNING ASSEMBLY FOR 88" CYCLOTRON		
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.					
		MATERIAL: AL 6061-T6	COMMENTS:  BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS			SIZE	DWG. NO.	REV
		FINISH				<b>A</b>	<b>ETA</b>	<b>1</b>
NEXT ASSY	USED ON	63 OR BETTER						
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:2		SHEET 19 OF 2

2

1

B

A



TRUE R3.5  $+0.5$   
 $-0.5$



B

A

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

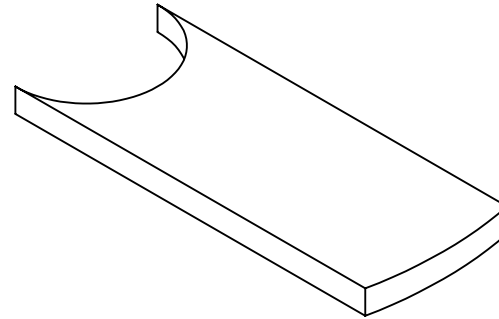
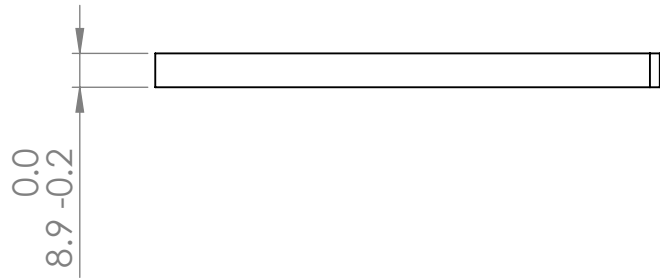
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	University of California, Berkeley		
		DIMENSIONS ARE IN MM TOLERANCES: MM	DRAWN	JEB	9/8/16	TITLE: DRAWER HANDLE ENERGY TUNING ASSEMBLY FOR 88" CYCLOTRON		
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE <b>A</b>		
		MATERIAL: AL 6061-T6	COMMENTS:  BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS					
		FINISH 63 OR BETTER						
NEXT ASSY	USED ON					DWG. NO. <b>ETA</b>		REV <b>1</b>
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:2		SHEET 20 OF 21

2

1

B

B



A

A

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	University of California, Berkeley		
		DIMENSIONS ARE IN MM TOLERANCES: MM	DRAWN	JEB	9/8/16	TITLE: PB DRAWER FILLER ENERGY TUNING ASSEMBLY FOR 88" CYCLOTRON		
			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE <b>A</b>		
		MATERIAL: 3N LEAD (PB)	COMMENTS:  BREAK ALL SHARP EDGES AND CORNERS - 0.25 mm RADIUS					
		FINISH 63 OR BETTER						
NEXT ASSY	USED ON					DWG. NO. <b>ETA</b>		REV <b>1</b>
APPLICATION		DO NOT SCALE DRAWING			SCALE: 1:2			SHEET 21 OF 21

2

1