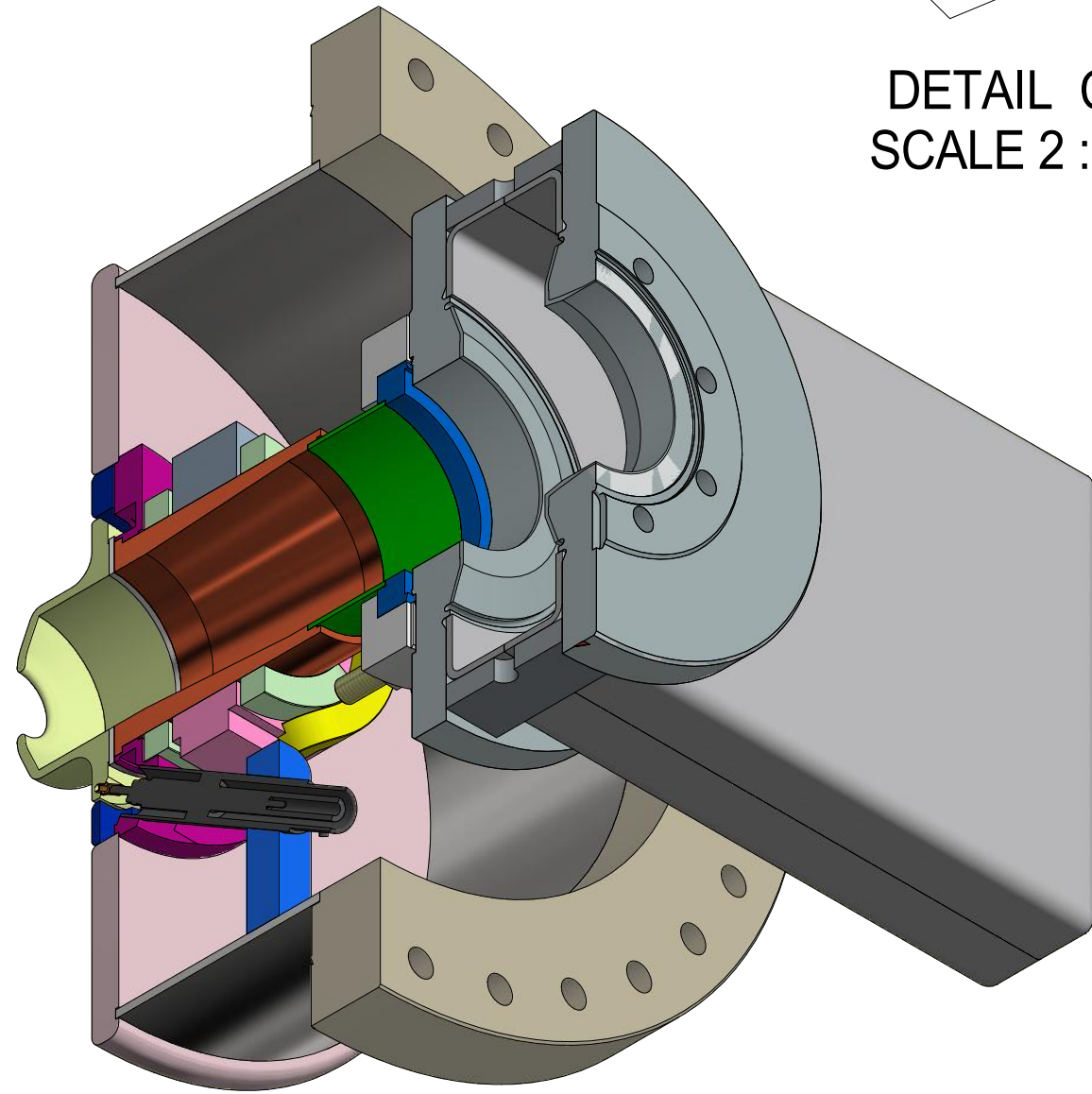
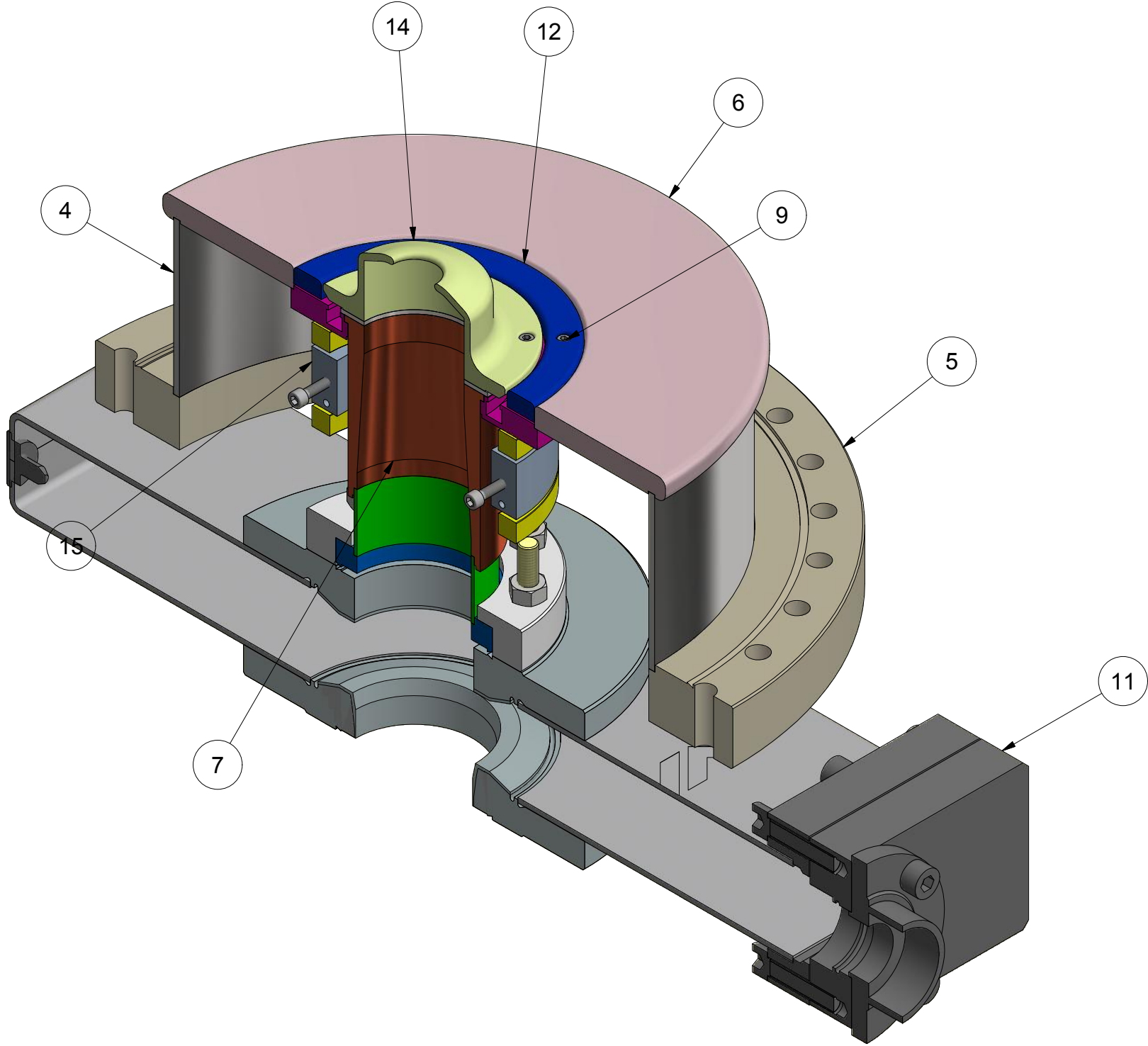
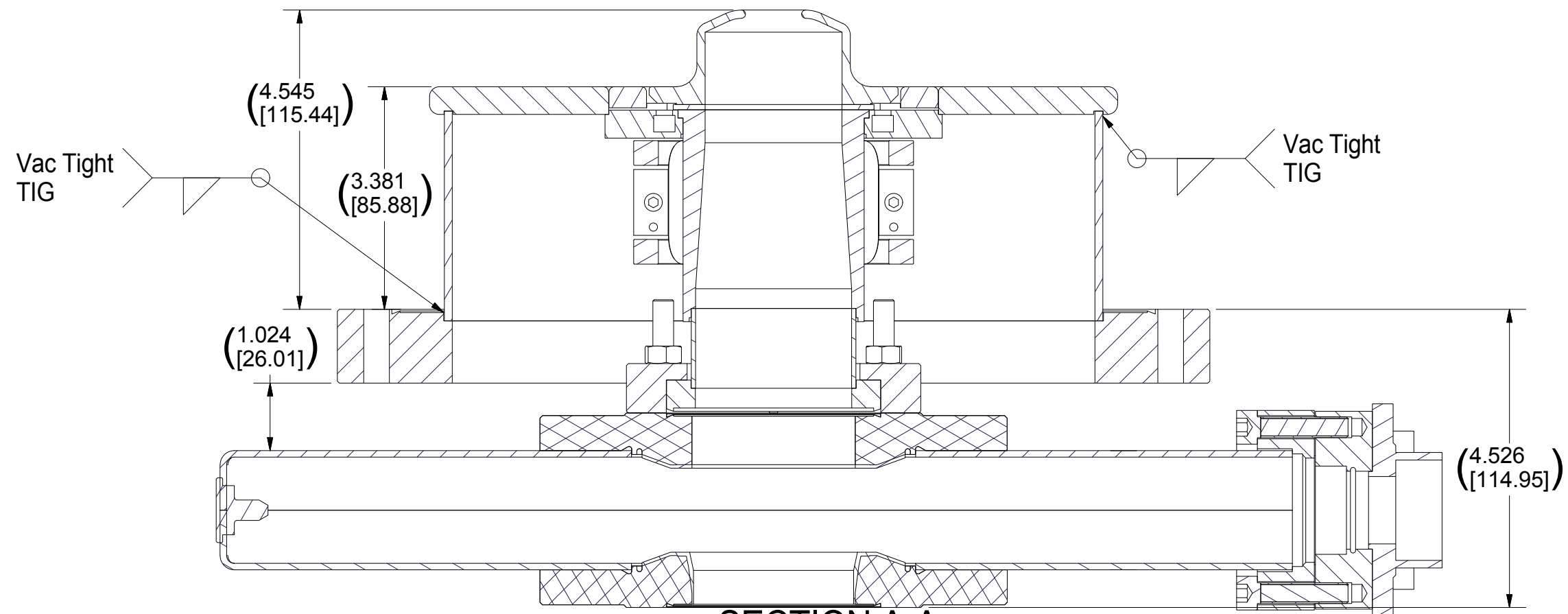
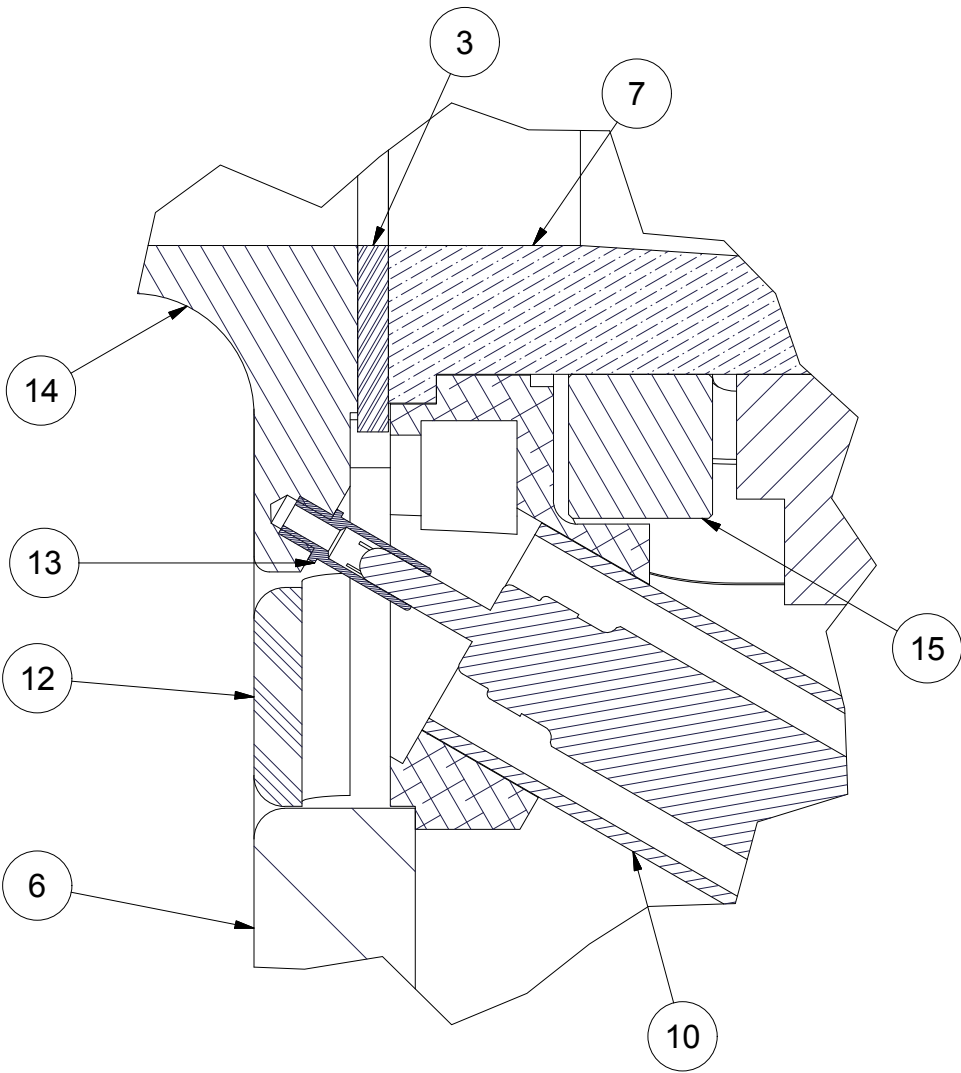
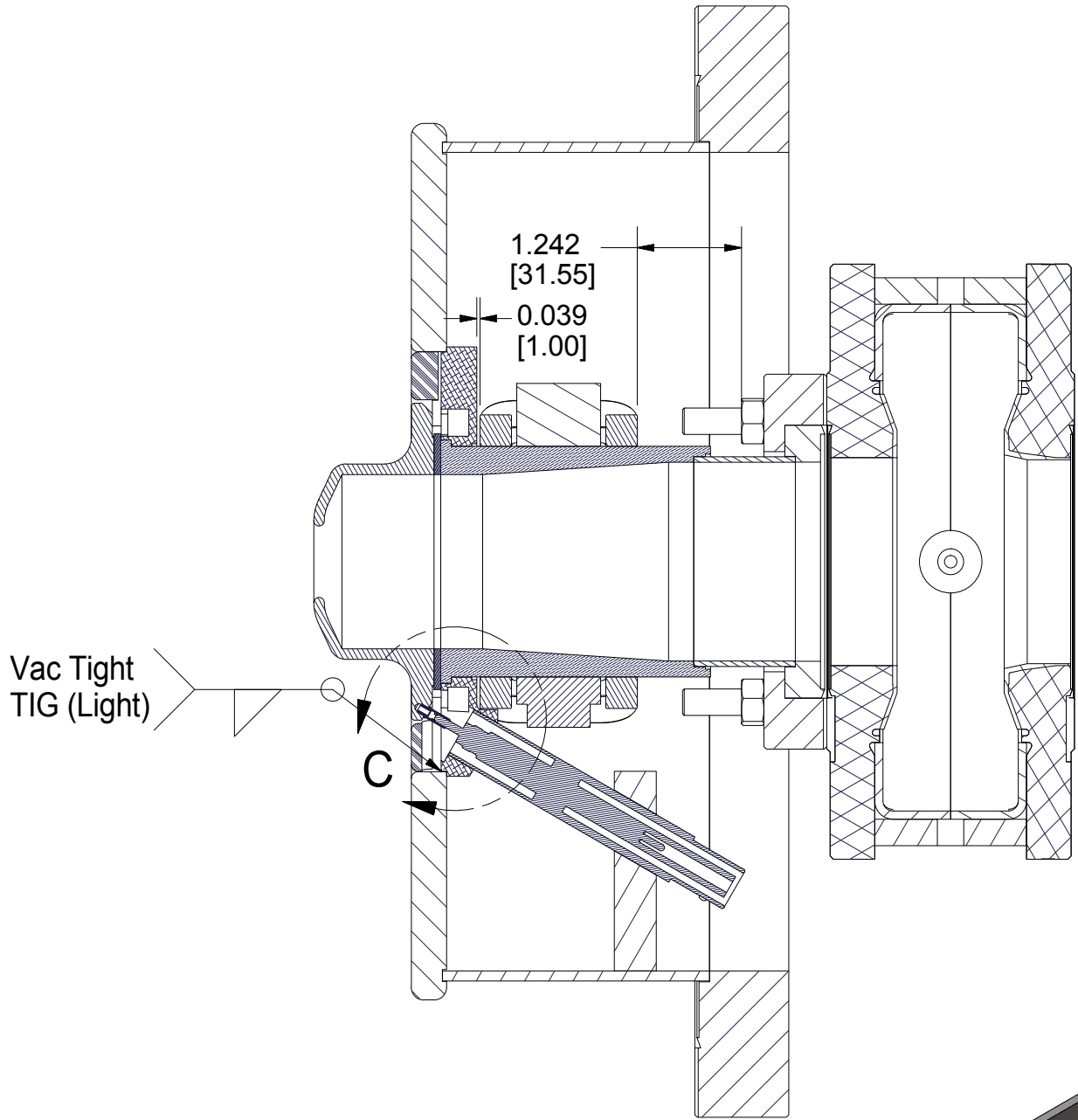
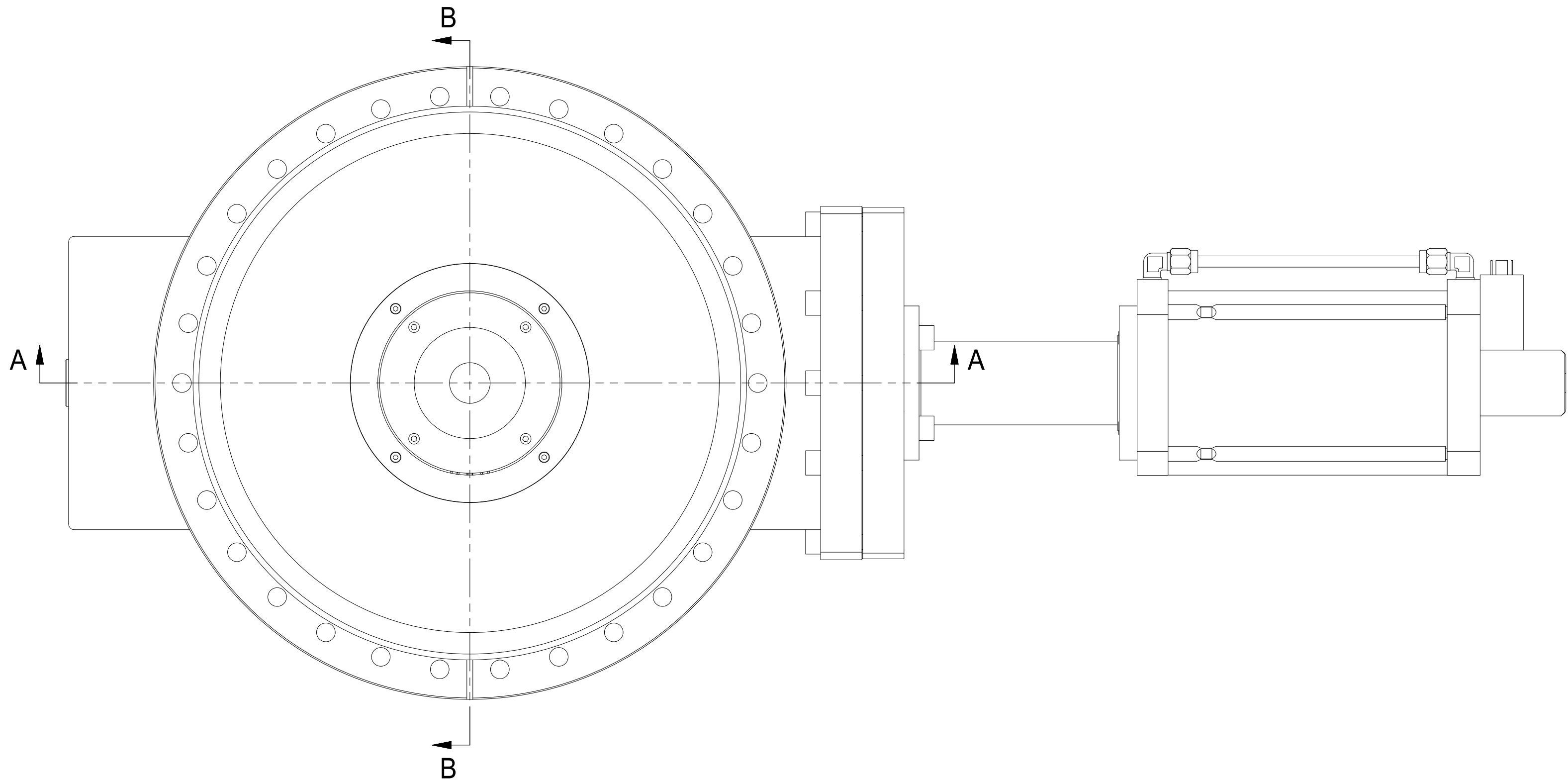
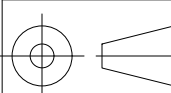





REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A	Mult.	Corrected Screw Size, Item 20	2/28/13	KWS



20	Purchased	SHCS #6-32 x 3/8" Silver Plated, Vented	4		UC Components	
17	7101-124 Sh. 11	Connector Support Bar	1			
16	7101-124 Sh. 11	Gate Valve Stud	8			
15	7107-024	Gun Corrector Magnet Assy	1			
14	7101-124 Sh. 5	Anode Modified	1			
13	7101-124 Sh. 5	HV Pickup Anode	1			
12	7101-124 Sh. 9	Anode Cover Piece	1			
11	Purchased	VAT All Metal Gate Valve	1		VAT	
10	Purchased	FA10313 SHV 20KV Feedthru	1		SST Technologies	
9	Purchased	SHCS #5-40 x 3/8" Silver Plated, Vented	4		UC Components	
8	7101-124 Sh. 7	Trapped Anode Nut	4			
7	7101-124 Sh. 3	Beam Pipe Brazement	1			
6	7101-124 Sh. 4	Anode Support Plate	1			
5	7101-124 Sh. 10	Fixed Anode Flange (F13250000)	1			
4	7101-124 Sh. 11	Outer Tube	1			
3	7101-124 Sh. 7	Beryllium Oxide Washer	1			
2	Purchased	Hex Nut M8 x 1.25	8		McMaster-Carr	
1	Purchased	CF Flange F450250R	1		KJ Lesker	

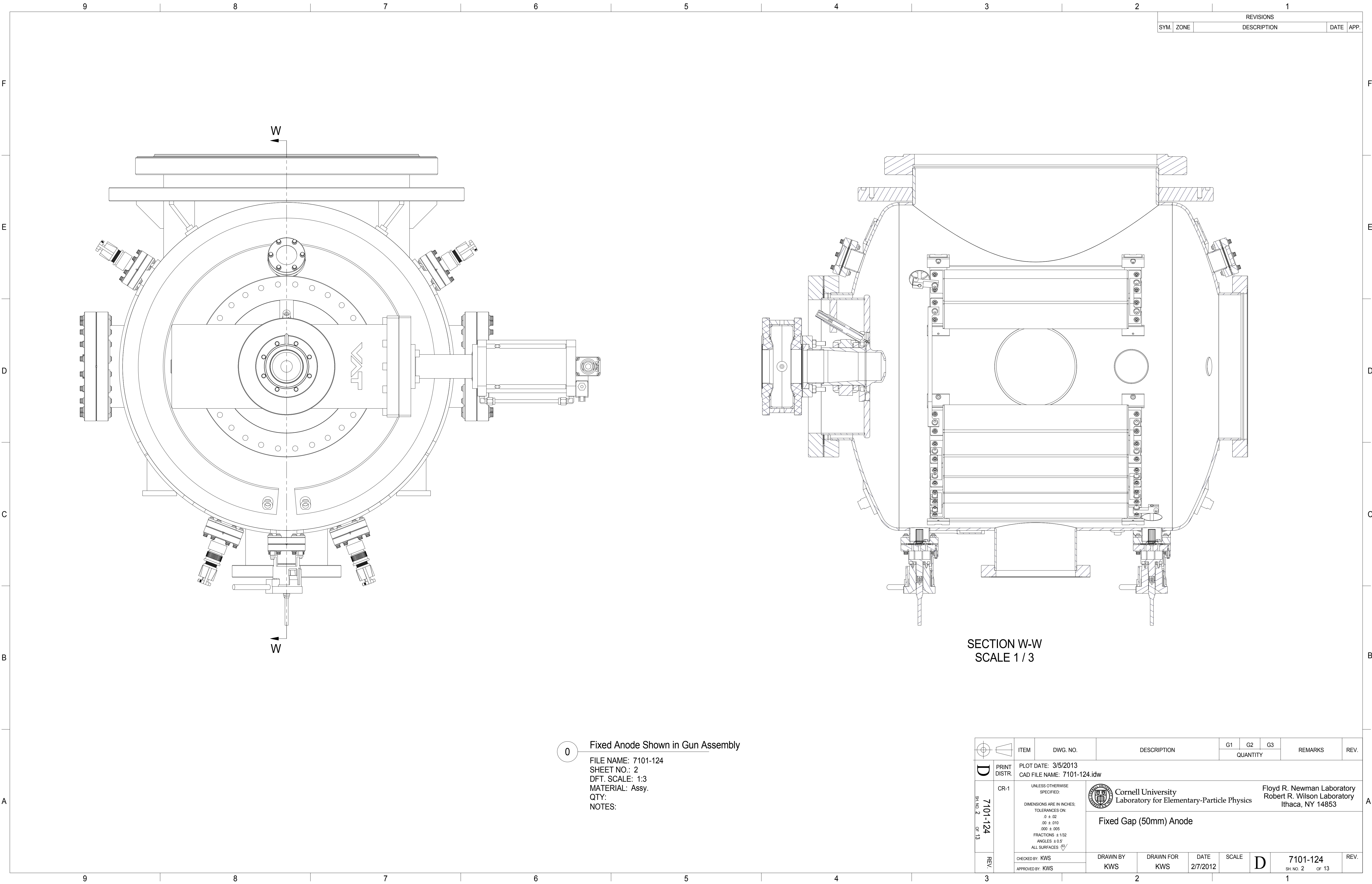
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									QUANTITY												
		PRINT DISTR.		PLOT DATE: 3/5/2013 CAD FILE NAME: 7101-124.idw																	
D 7101-124 SH. NO. 1 OF 13		CR-1		UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES; TOLERANCES ON: 0 ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES 		 Cornell University Laboratory for Elementary-Particle Physics												Floyd R. Newman Laboratory Robert R. Wilson Laboratory Ithaca, NY 14853			
						Fixed Gap (50mm) Anode															
A REV.				CHECKED BY: KWS		DRAWN BY KWS		DRAWN FOR KWS		DATE 2/7/2012		SCALE		D		7101-124		REV. A			
				APPROVED BY: KWS												SH. NO. 1 OF 13					



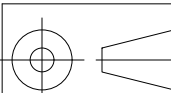


Cornell University  
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Robert R. Wilson Laboratory  
Ithaca, NY 14853

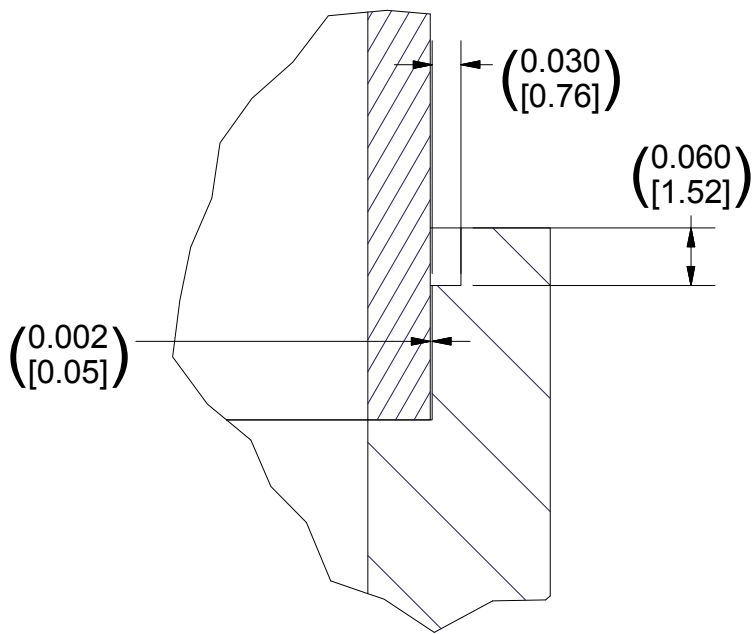
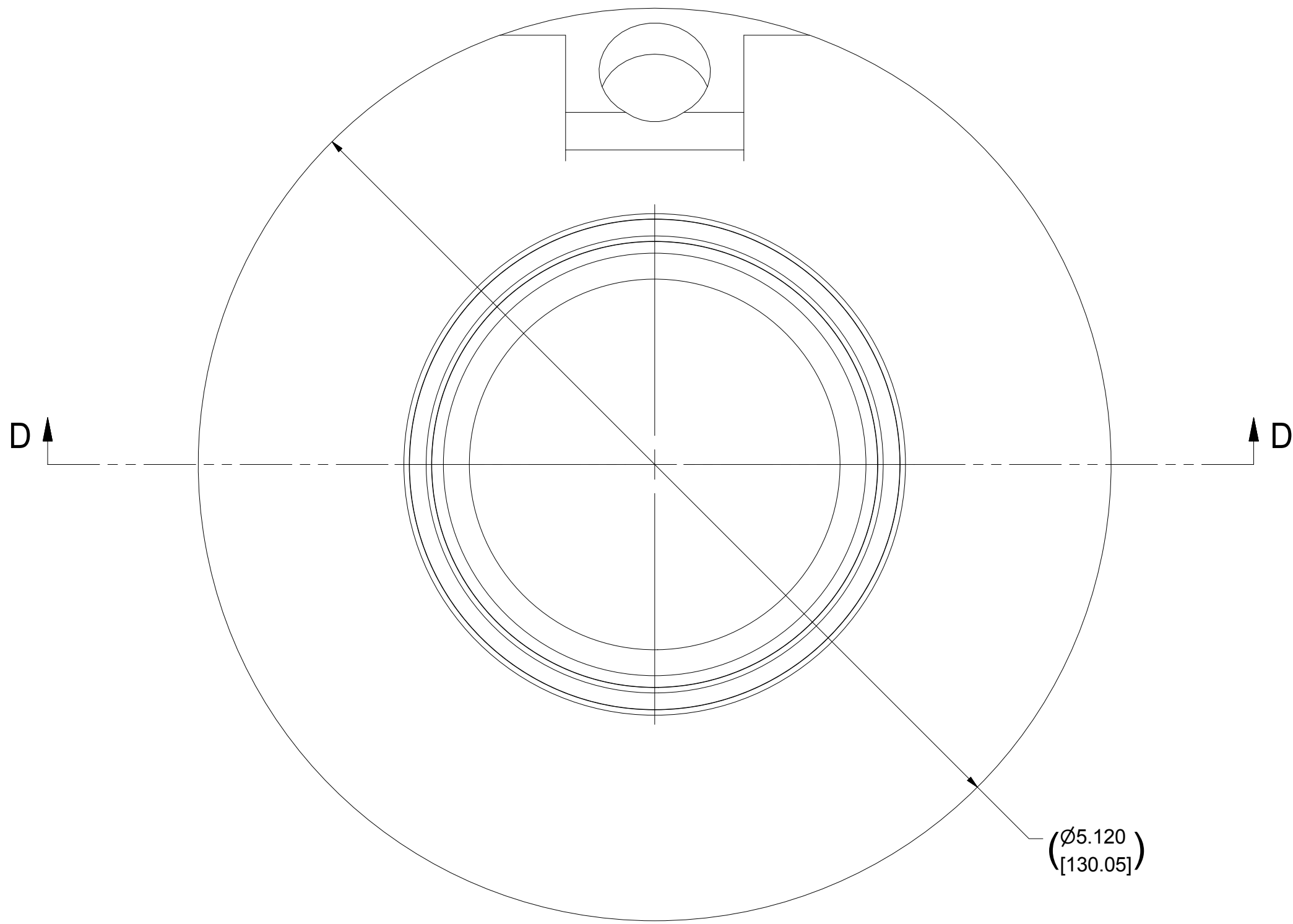
Fixed Gap (50mm) Anode



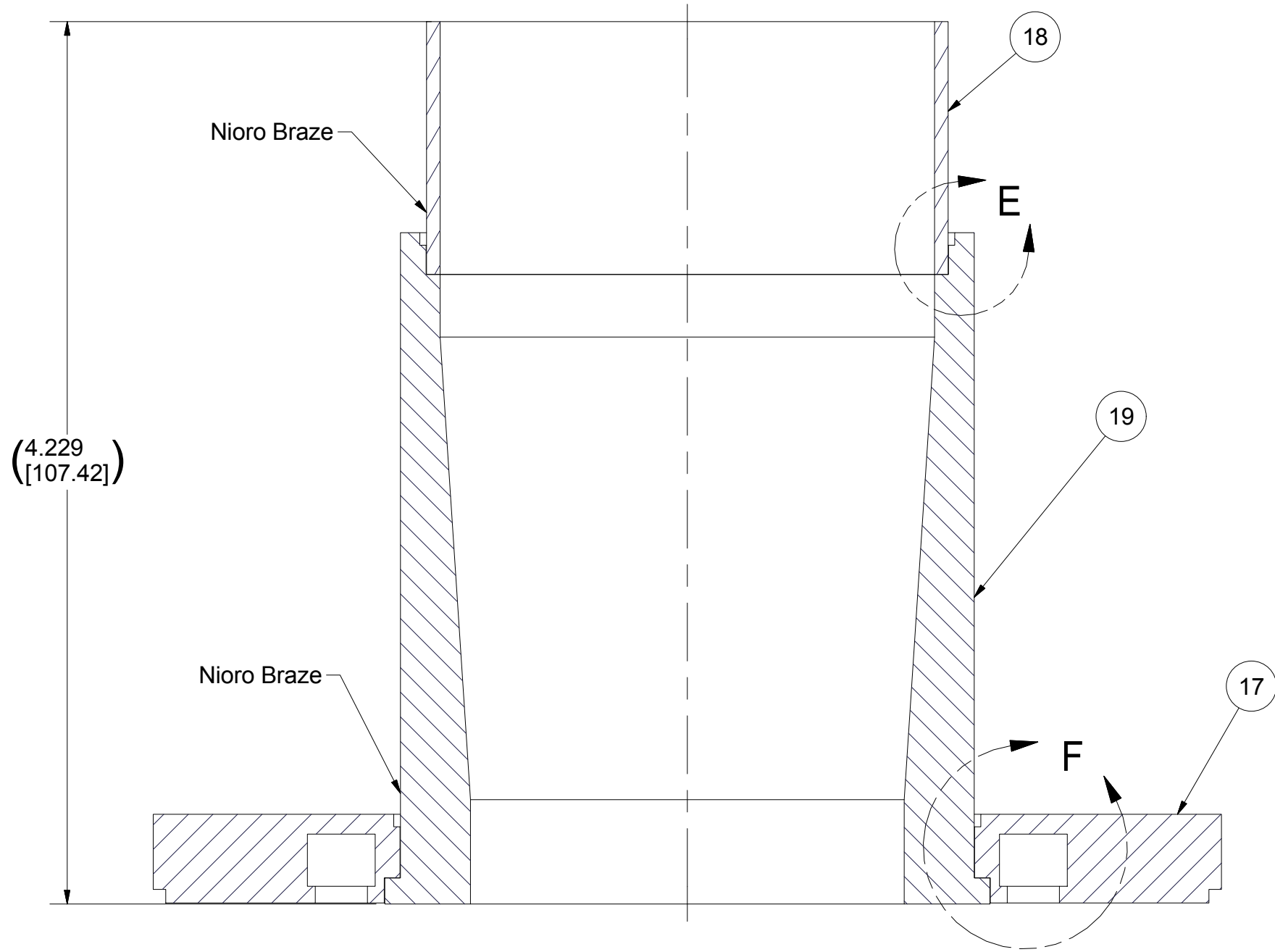
REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE   APP.

		ITEM		DWG. NO.		DESCRIPTION			G1		G2		G3		REMARKS		REV.	
									QUANTITY									
<div>D</div>		PRINT DISTR.		PLOT DATE: 3/5/2013 CAD FILE NAME: 7101-124.idw														
<div>7101-124</div> <div>SH. NO. 2 OF 13</div>		CR-1		<div>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES; TOLERANCES ON:     .0 ± .02     .00 ± .010     .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES </div>			<div> Cornell University Laboratory for Elementary-Particle Physics</div> <div>Floyd R. Newman Laboratory Robert R. Wilson Laboratory Ithaca, NY 14853</div>											
		Fixed Gap (50mm) Anode																
REV.		CHECKED BY: KWS		DRAWN BY KWS		DRAWN FOR KWS		DATE 2/7/2012		SCALE		<div>D</div>		7101-124		REV.		
		APPROVED BY: KWS		SH. NO. 2 OF 13														

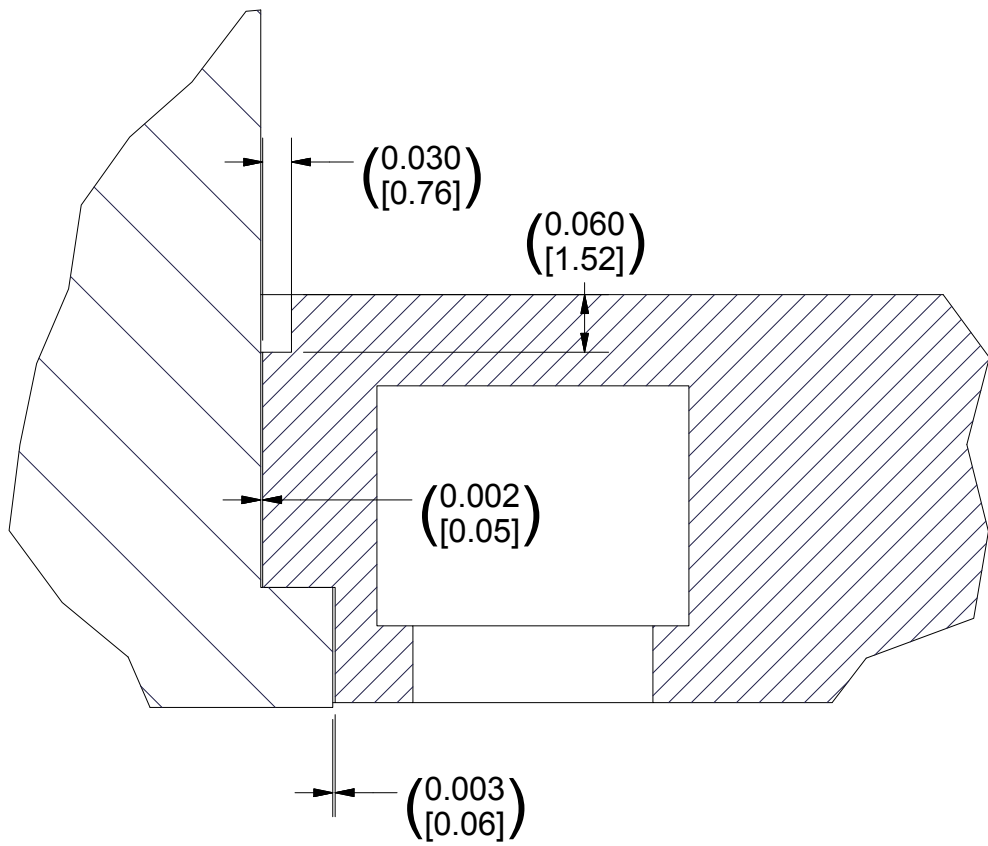
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.



DETAIL E  
SCALE 5 : 1

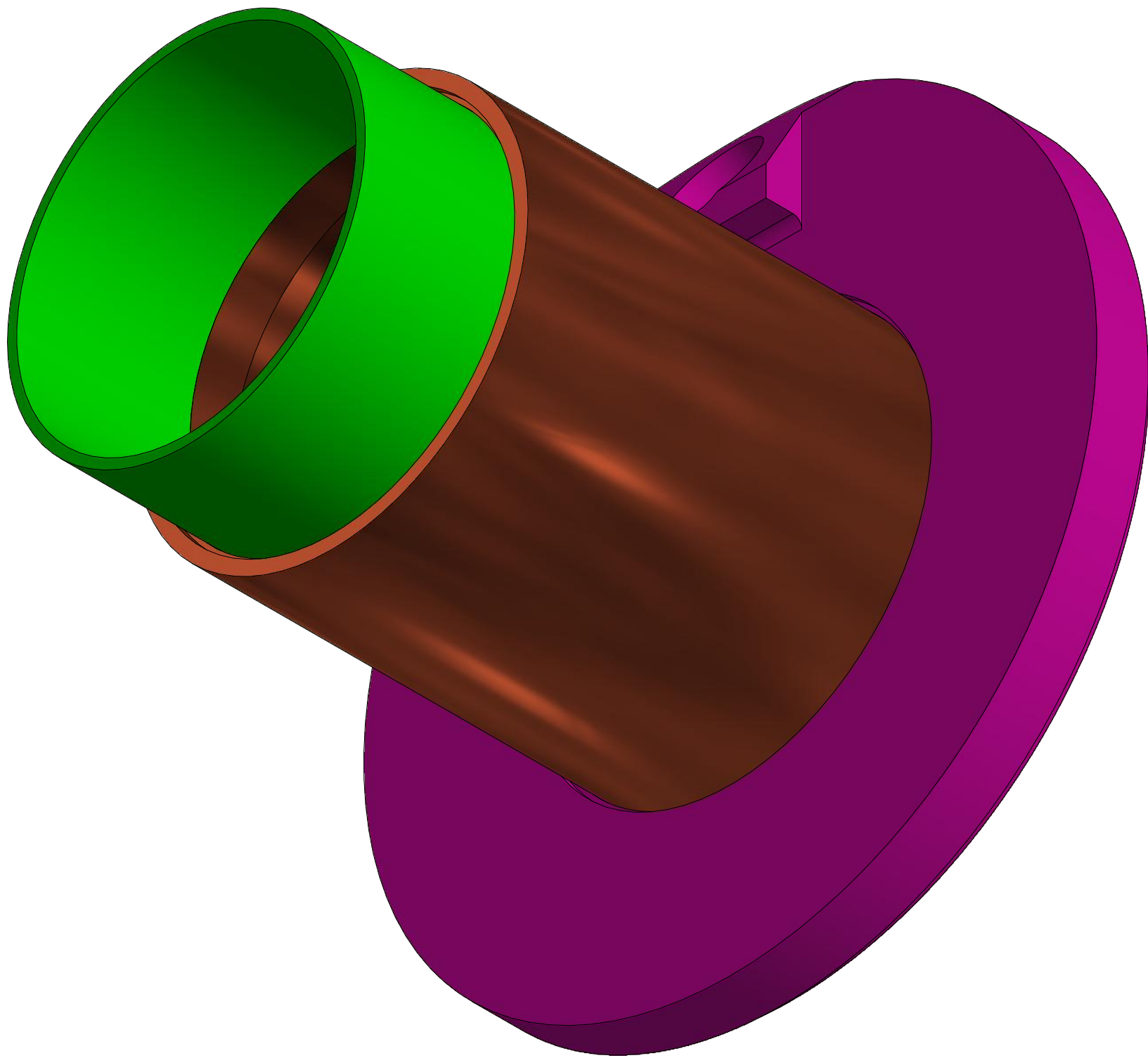


SECTION D-D  
SCALE 1.5 : 1

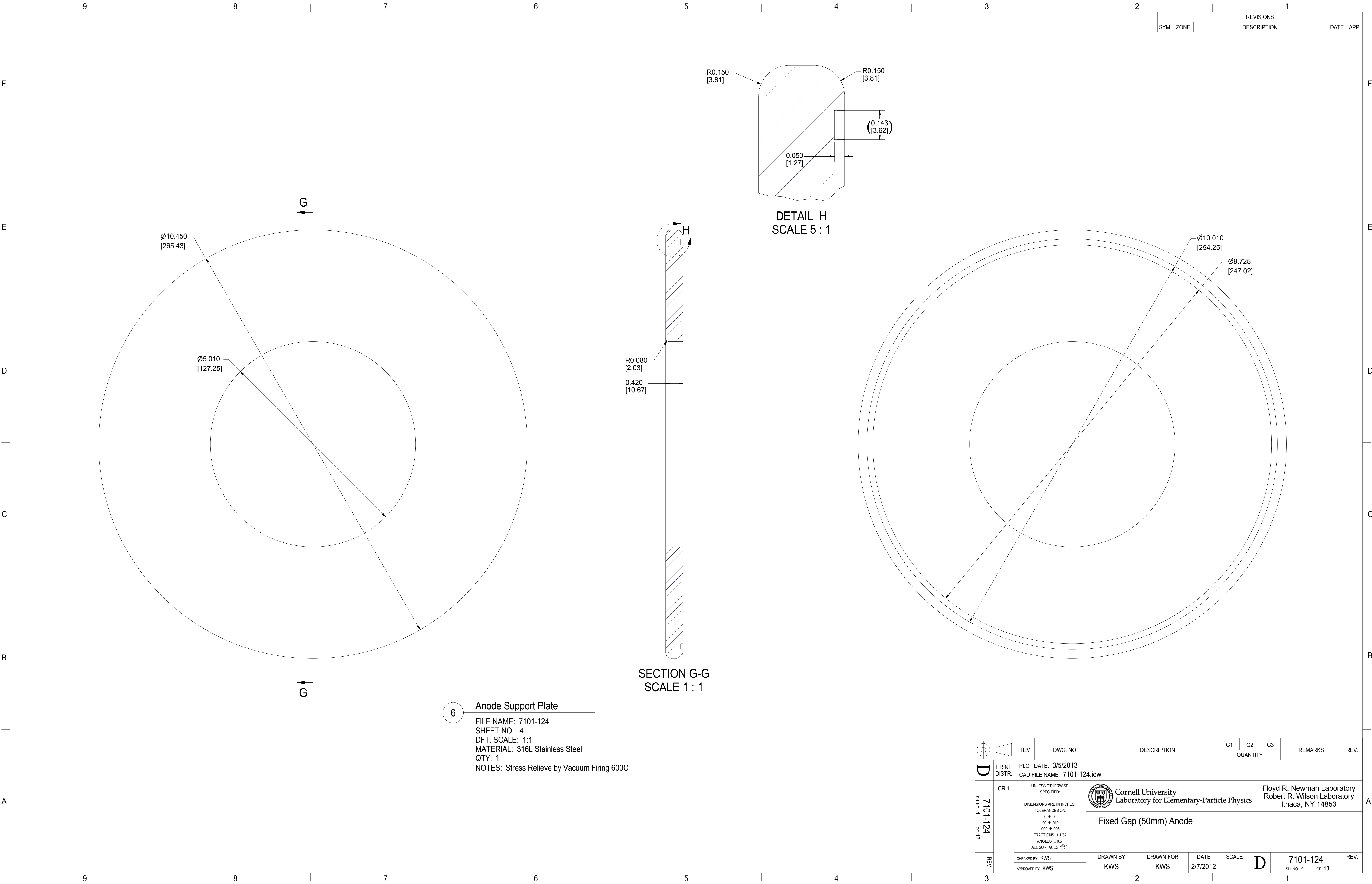


DETAIL F  
SCALE 5 : 1

7 Beam Pipe Brazement  
FILE NAME: 7101-124  
SHEET NO.: 3  
DFT. SCALE: 3 : 2  
MATERIAL: Assy.  
QTY: 1  
NOTES:


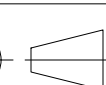




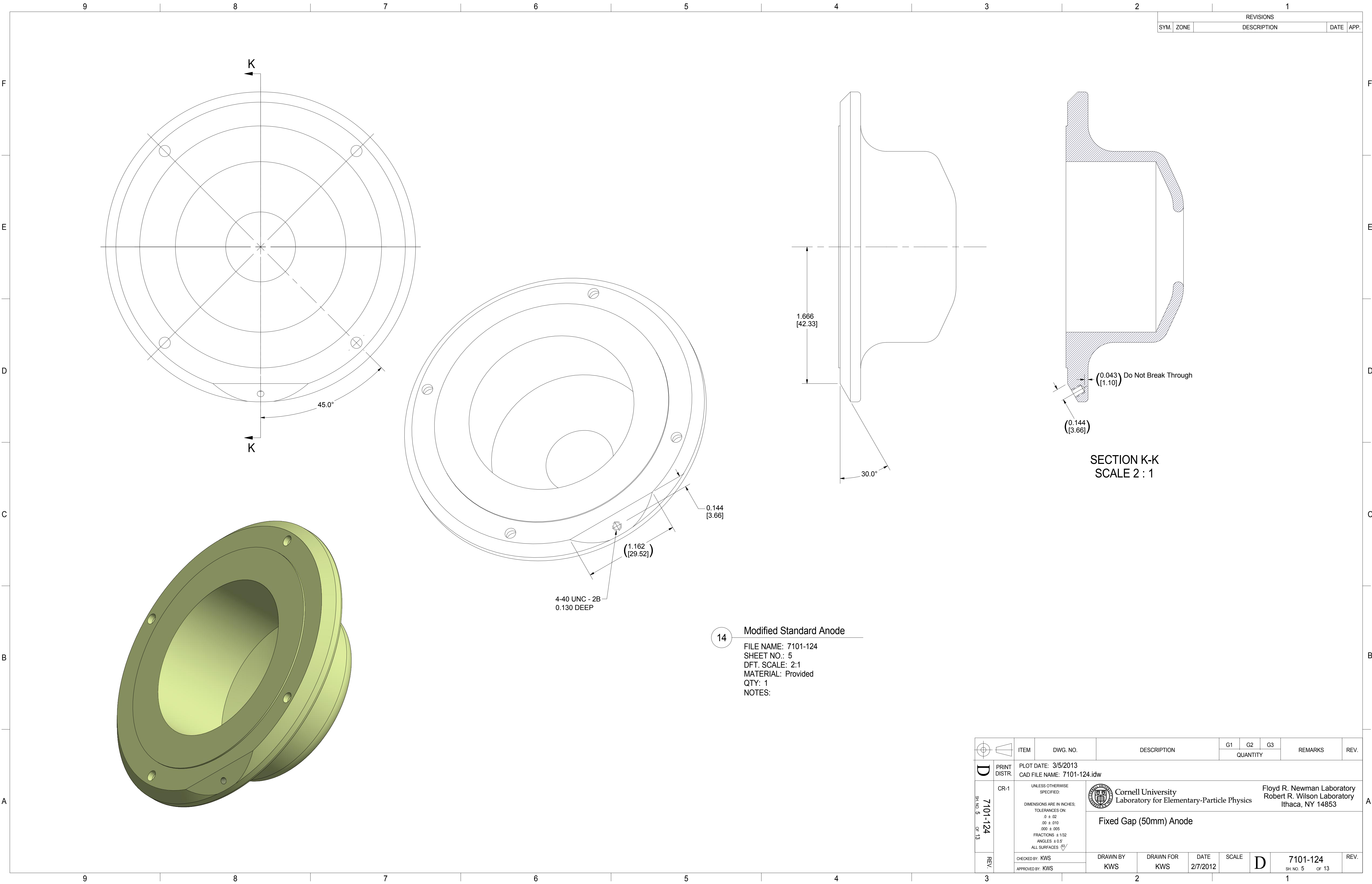
		19	7101-124 Sh. 12	Copper Fixed Anode Insert	1						
		18	7101-124 Sh. 11	Tube Braze Insert Fixed Anode	1						
		17	7101-124 Sh. 9	Anode Nut Plate	1						
		ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.		
					QUANTITY						
	PRINT DISTR.	PLOT DATE: 3/5/2013 CAD FILE NAME: 7101-124.idw									
	CR-1	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES; TOLERANCES ON: .0 ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES				Floyd R. Newman Laboratory Robert R. Wilson Laboratory Ithaca, NY 14853					
7101-124 OF 13				Fixed Gap (50mm) Anode							
REV.	CHECKED BY: KWS	DRAWN BY	DRAWN FOR	DATE	SCALE		7101-124		REV.		
	APPROVED BY: KWS	KWS	KWS	2/7/2012			SH. NO. 3 OF 13				



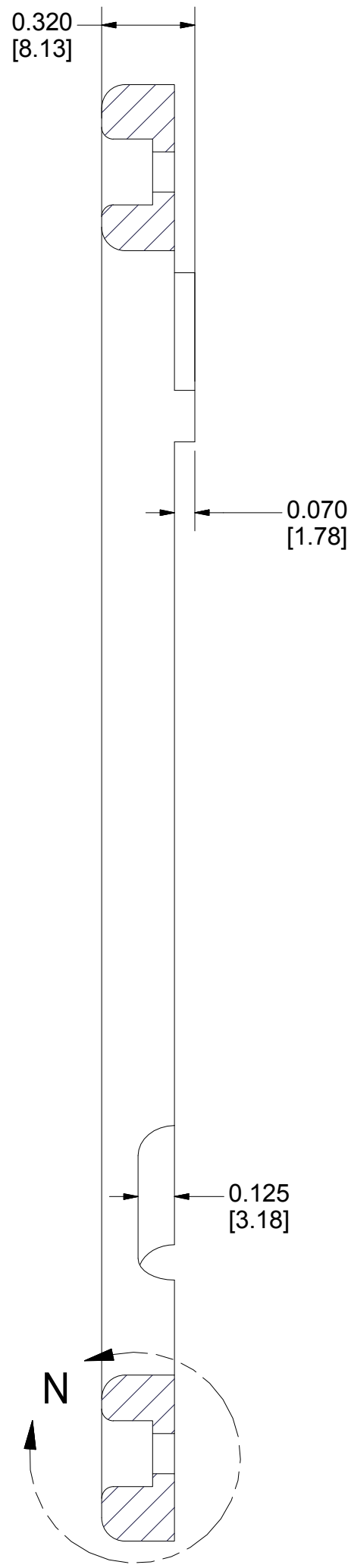
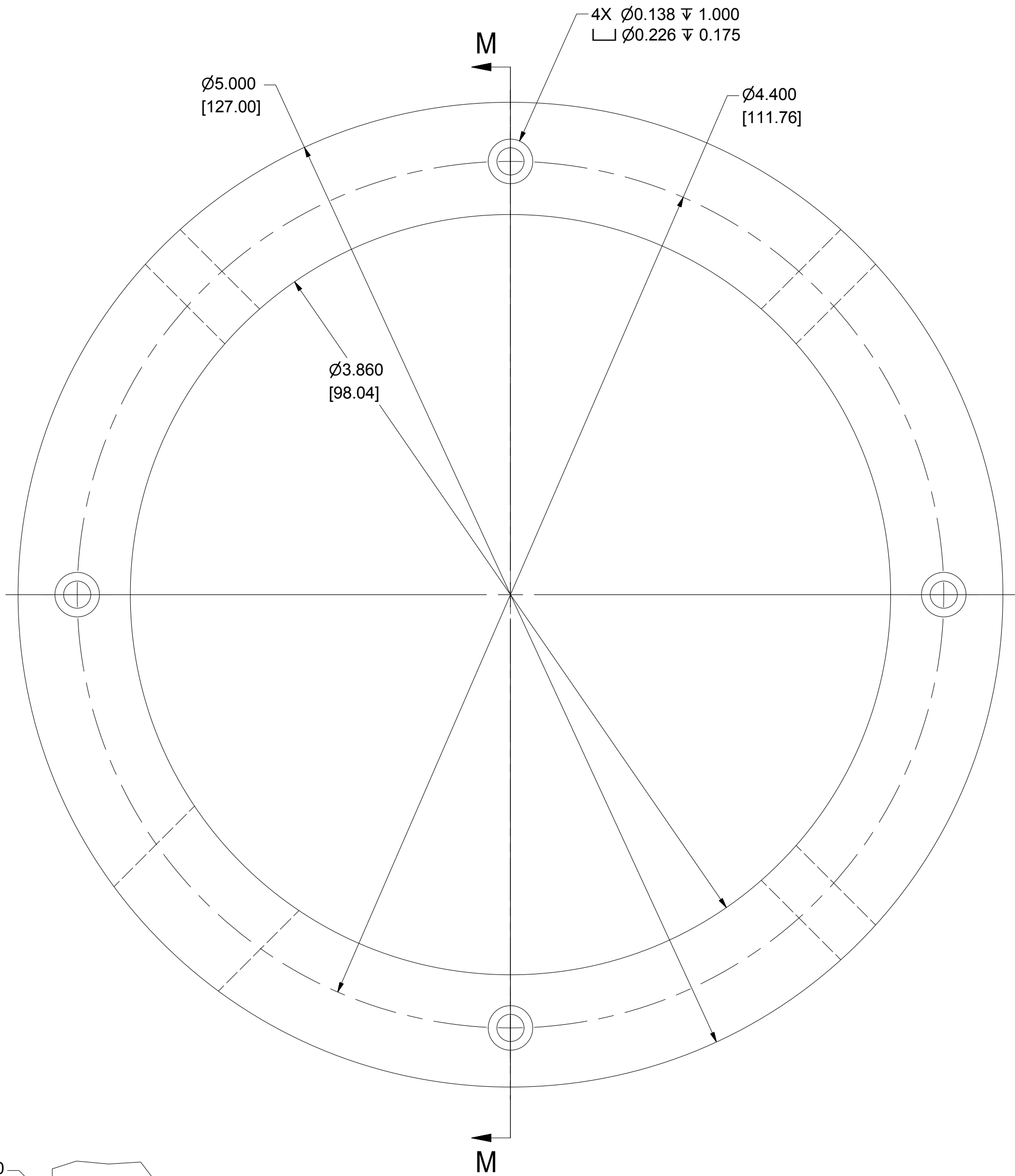
REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE   APP.

6 Anode Support Plate  
FILE NAME: 7101-124  
SHEET NO.: 4  
DFT. SCALE: 1:1  
MATERIAL: 316L Stainless Steel  
QTY: 1  
NOTES: Stress Relieve by Vacuum Firing 600C

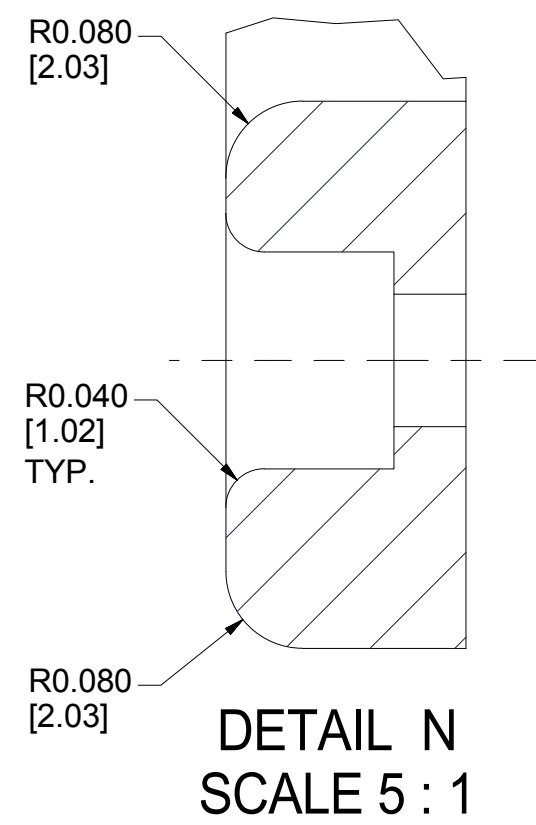
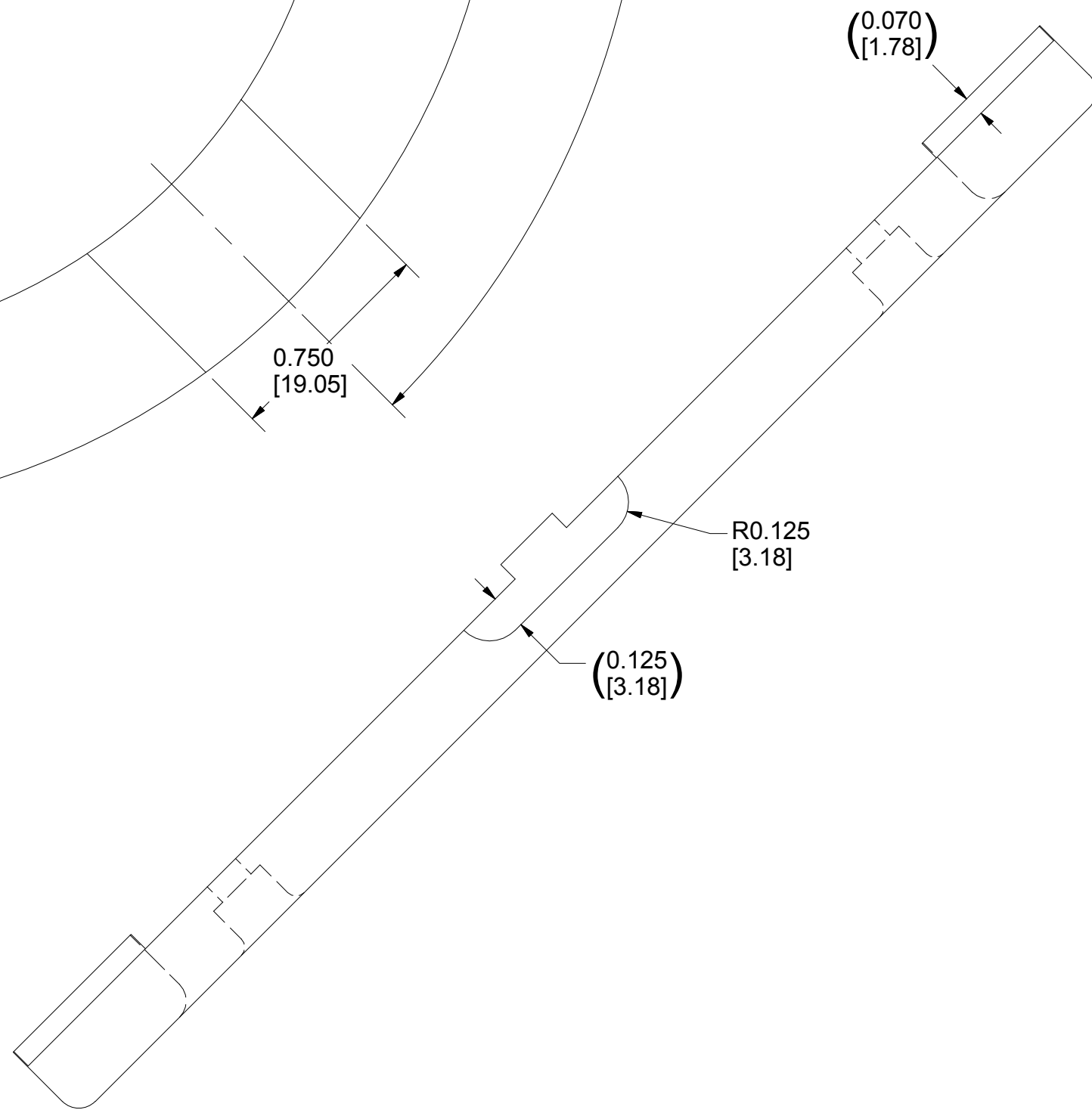
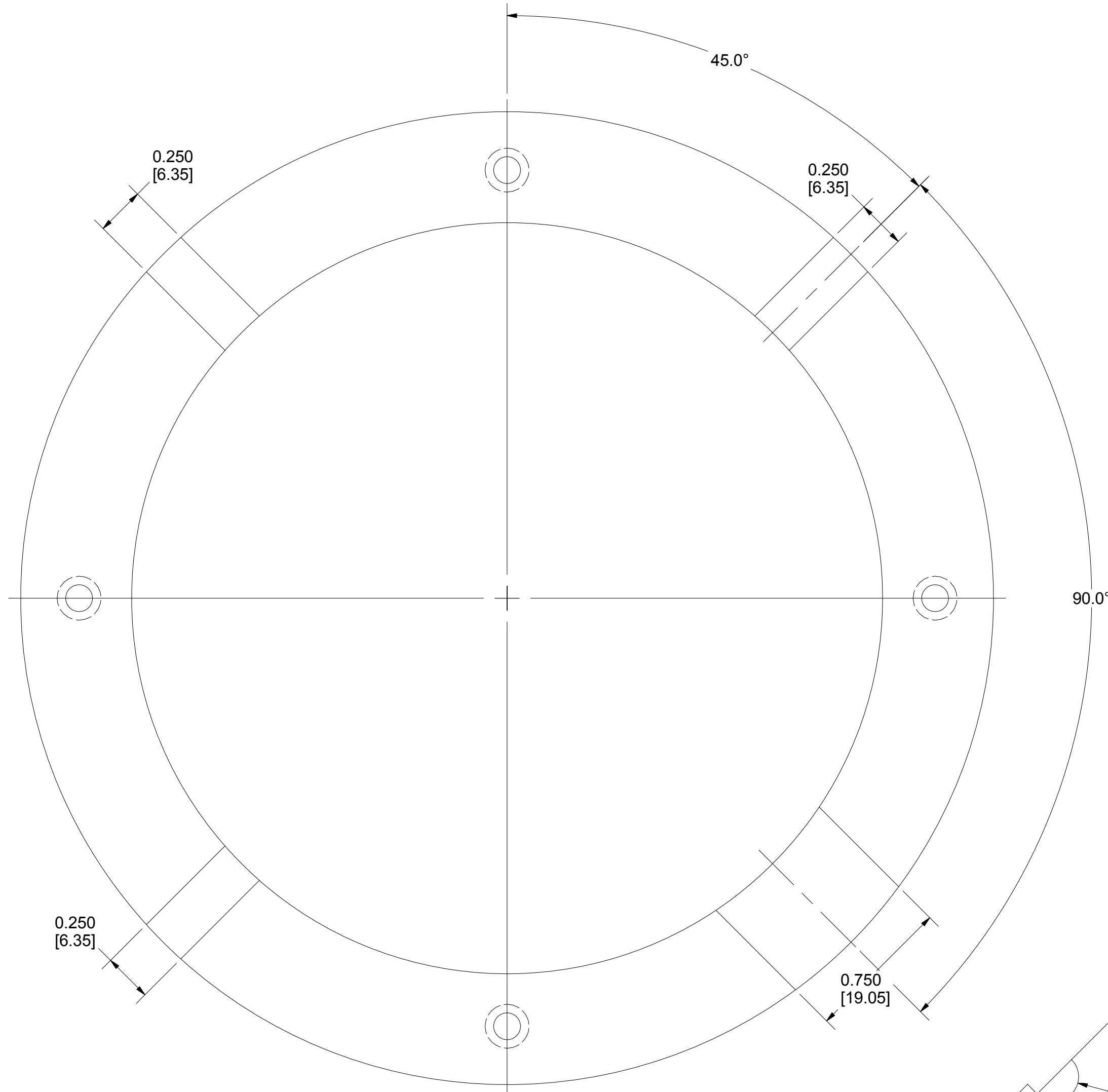
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						QUANTITY					
D	PRINT DISTR.	PLOT DATE: 3/5/2013 CAD FILE NAME: 7101-124.idw									
	CR-1	<p>UNLESS OTHERWISE SPECIFIED:</p> <p>DIMENSIONS ARE IN INCHES;</p> <p>TOLERANCES ON:</p> <p>0 ± .02</p> <p>00 ± .010</p> <p>.000 ± .005</p> <p>FRACTIONS ± 1/32</p> <p>ANGLES ± 0.5°</p> <p>ALL SURFACES </p>			 Cornell University Laboratory for Elementary-Particle Physics					Floyd R. Newman Laboratory Robert R. Wilson Laboratory Ithaca, NY 14853	
SH. NO. 4 OF 13	7101-124	Fixed Gap (50mm) Anode									
	REV.	CHECKED BY: KWS	DRAWN BY KWS	DRAWN FOR KWS	DATE 2/7/2012	SCALE	D	7101-124		REV.	
		APPROVED BY: KWS	SH. NO. 4 OF 13								



REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.




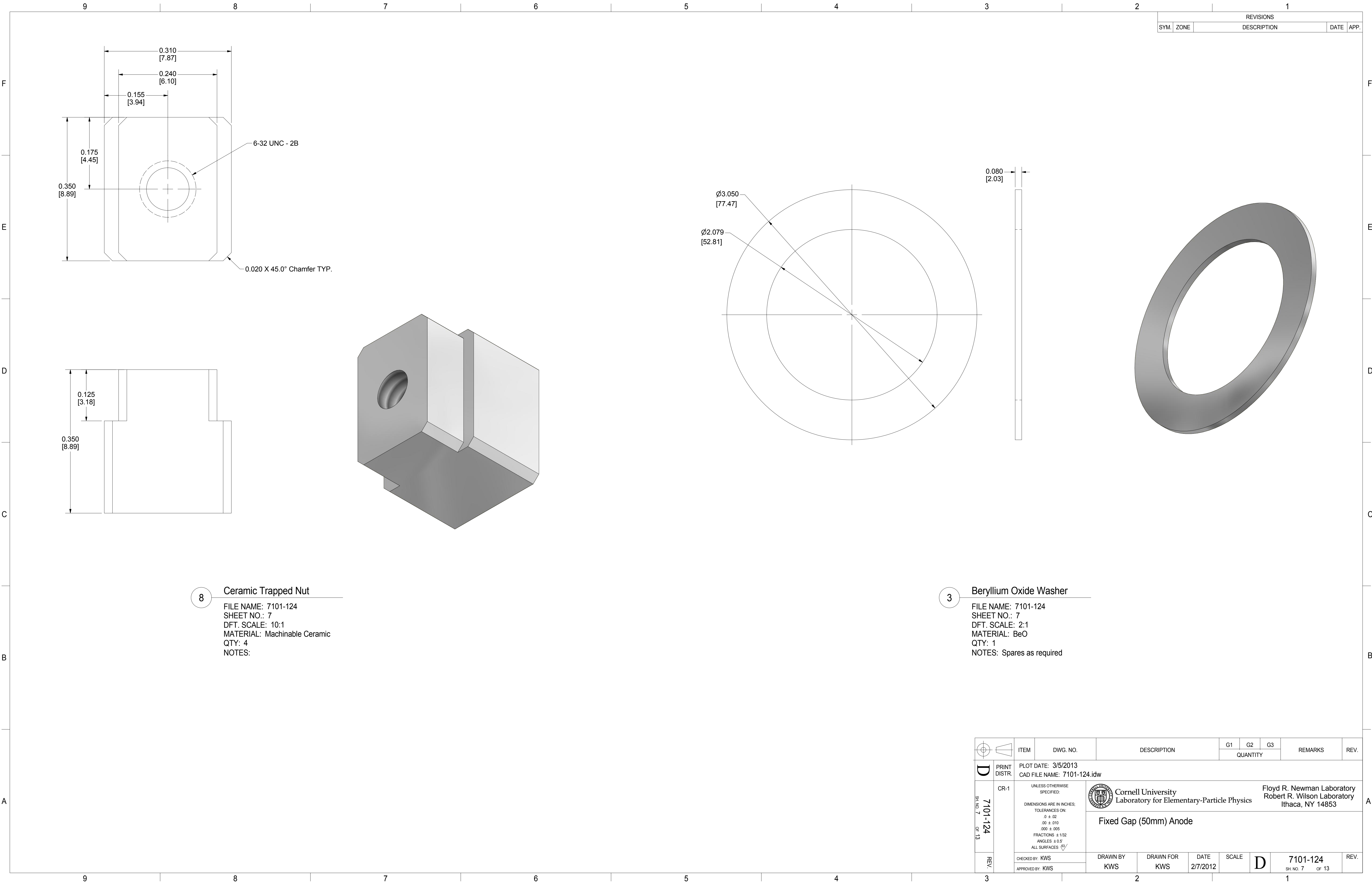
SECTION M-M  
SCALE 2 : 1



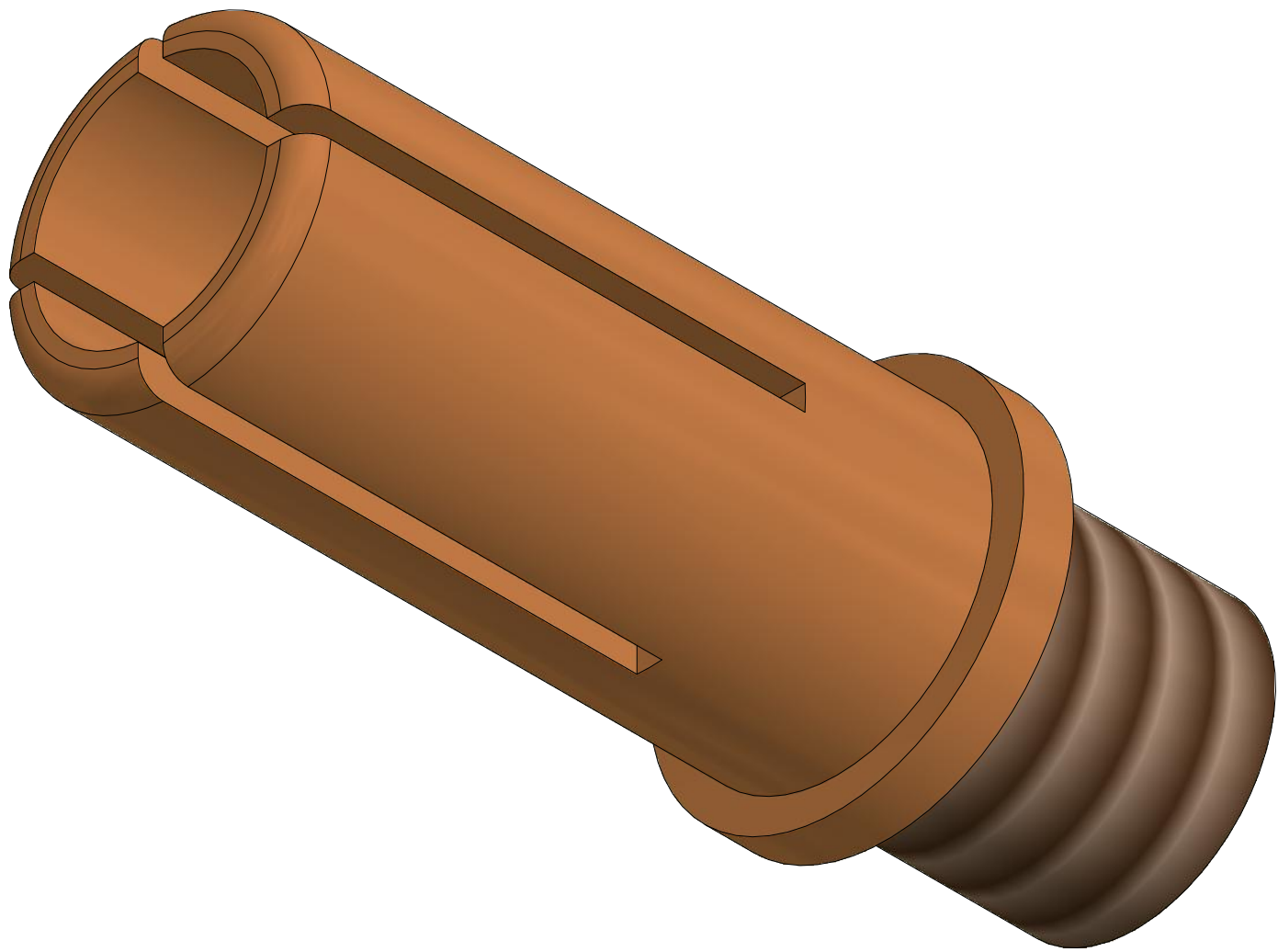
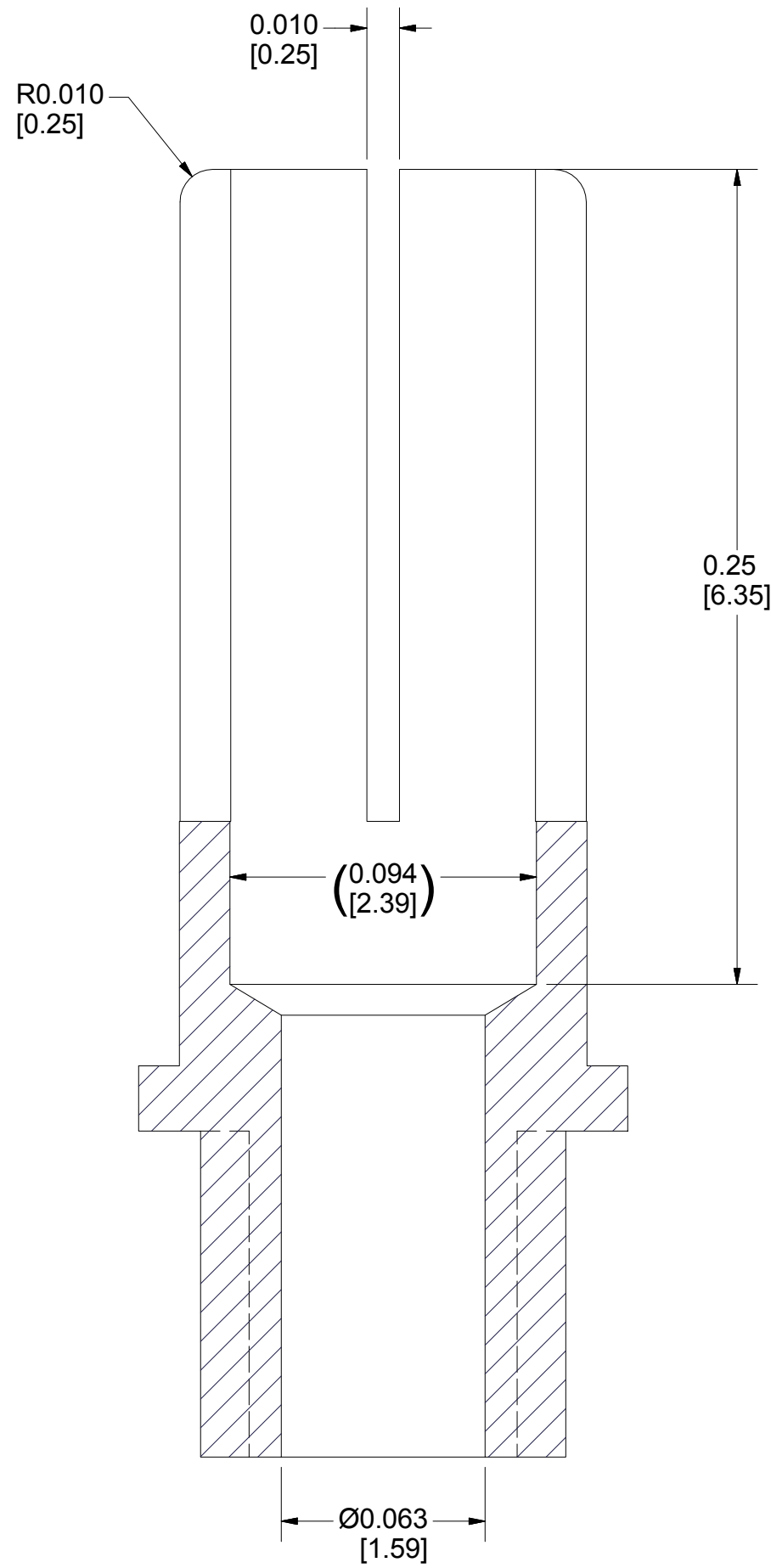
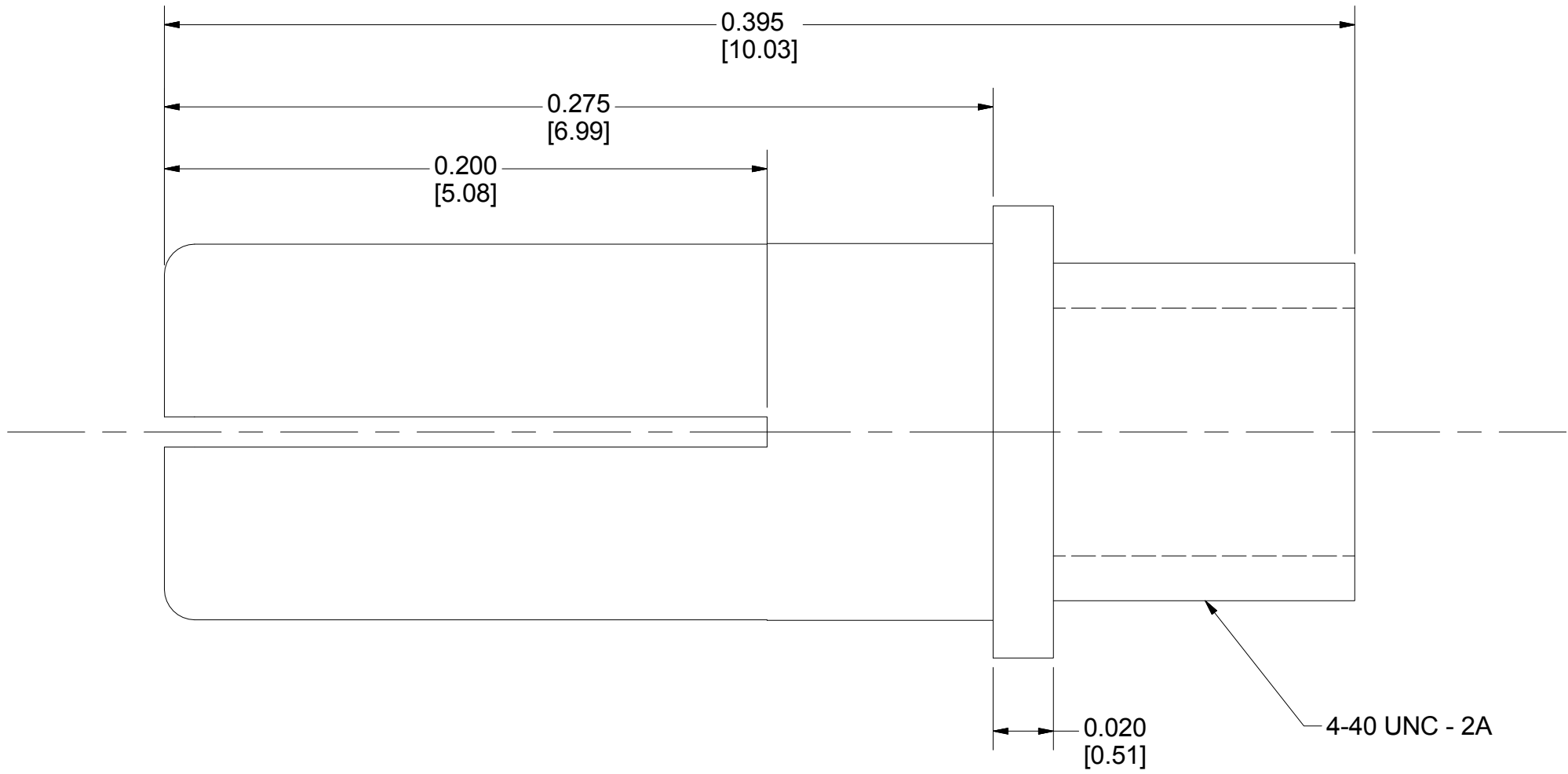
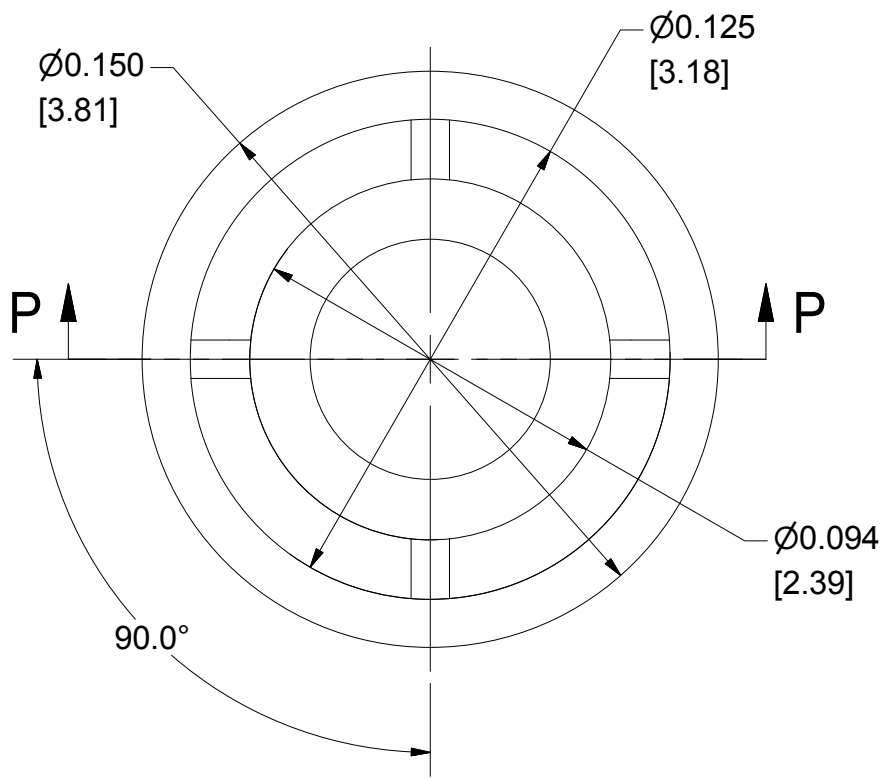
DETAIL N  
SCALE 5 : 1

12 Anode Nut Cover Plate  
FILE NAME: 7101-124  
SHEET NO.: 6  
DFT. SCALE: 2:1  
MATERIAL: 316L Stainless Steel  
QTY: 1  
NOTES:


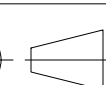




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		QUANTITY											
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	CR-1	<div>UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES; TOLERANCES ON: 0 ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES </div>			<div>Cornell University Laboratory for Elementary-Particle Physics</div> <div>Floyd R. Newman Laboratory Robert R. Wilson Laboratory Ithaca, NY 14853</div>								
SH. NO. 6 OF 13	7101-124	Fixed Gap (50mm) Anode											
	REV.	CHECKED BY: KWS		DRAWN BY KWS		DRAWN FOR KWS		DATE 2/7/2012		SCALE D		7101-124 SH. NO. 6 OF 13	
		APPROVED BY: KWS											



REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.



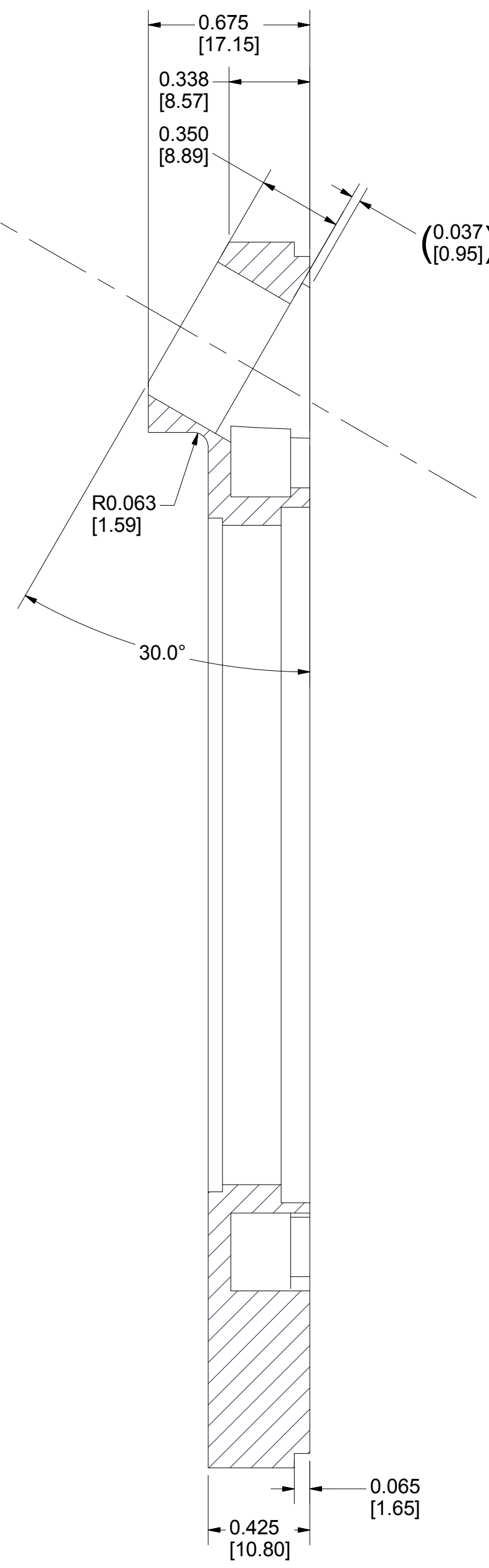
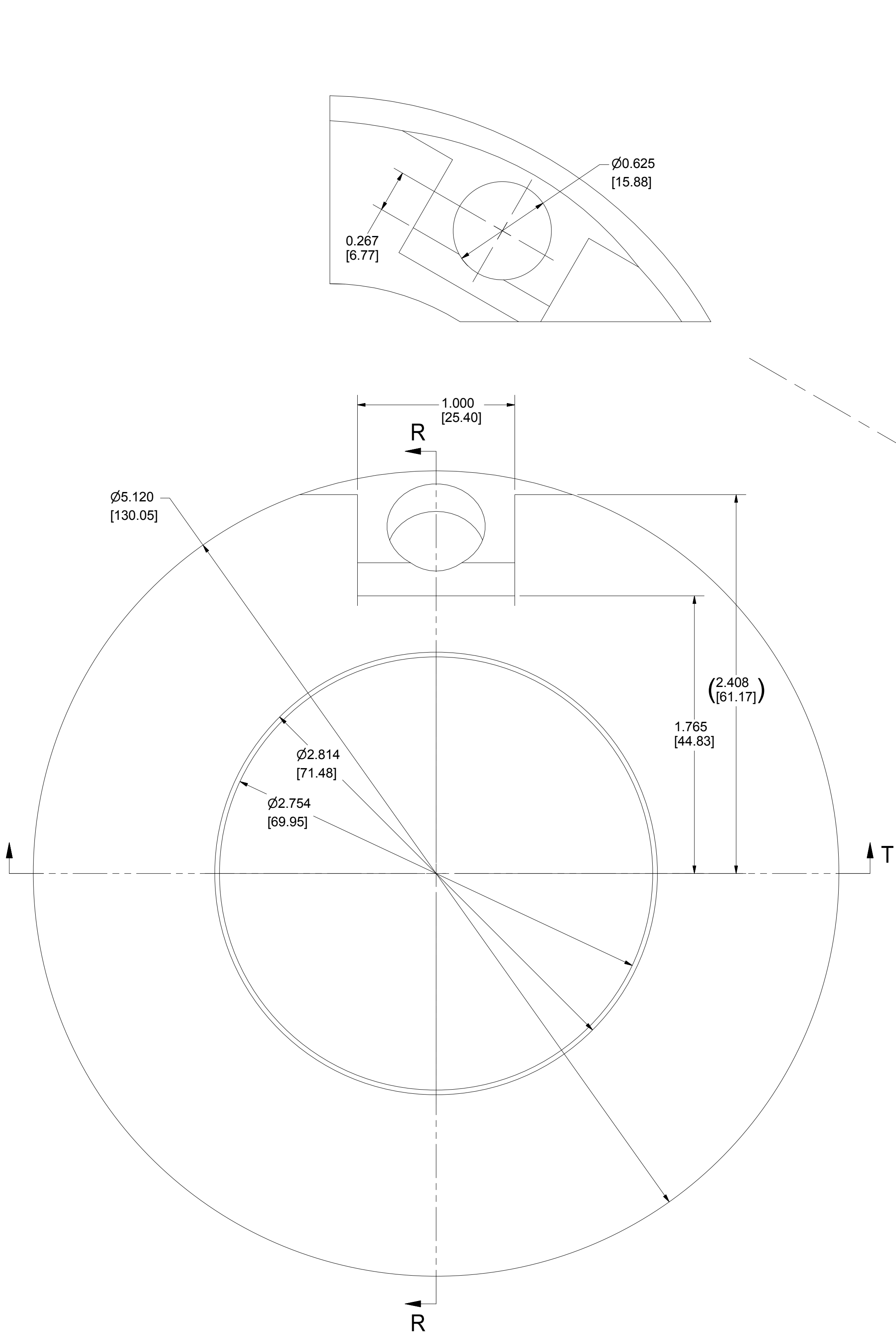
- 13 High Voltage Slip Connector
- FILE NAME: 7101-124  
SHEET NO.: 8  
DFT. SCALE: 10:1  
MATERIAL: Copper (Something Harder?)  
QTY: 1  
NOTES:

 		ITEM		DWG. NO.		DESCRIPTION			G1		G2		G3		REMARKS		REV.		
									QUANTITY										
		PRINT DISTR.		PLOT DATE: 3/5/2013 CAD FILE NAME: 7101-124.idw															
7101-124 SH. NO. 8 OF 13		CR-1		UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES; TOLERANCES ON: Ø ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES 			 Cornell University Laboratory for Elementary-Particle Physics  Floyd R. Newman Laboratory Robert R. Wilson Laboratory Ithaca, NY 14853												
		Fixed Gap (50mm) Anode																	
REV.		CHECKED BY: KWS		DRAWN BY KWS			DRAWN FOR KWS			DATE 2/7/2012		SCALE				7101-124 SH. NO. 8 OF 13		REV.	
		APPROVED BY: KWS																	

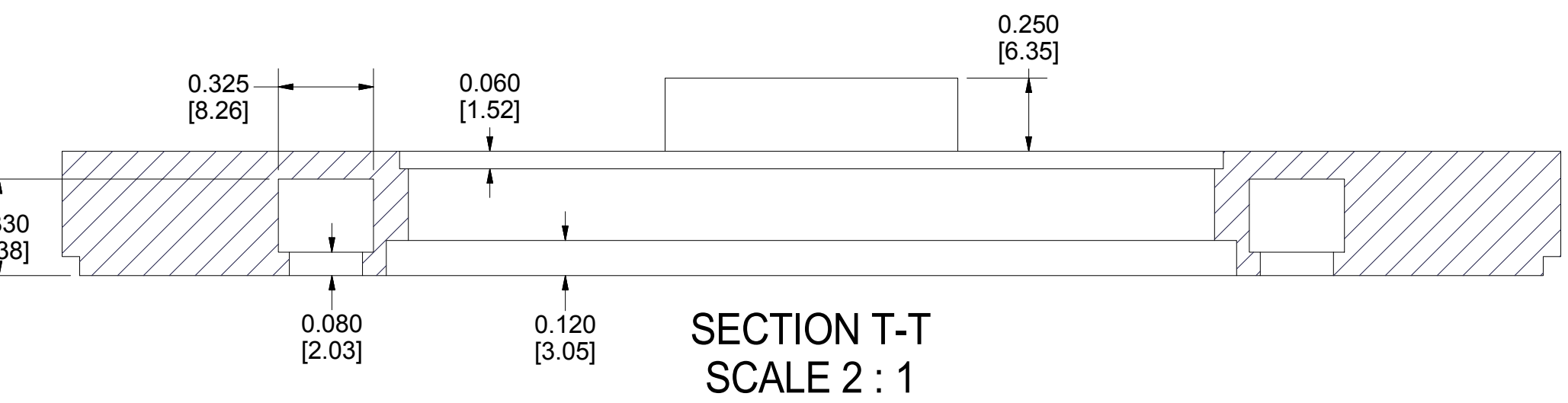
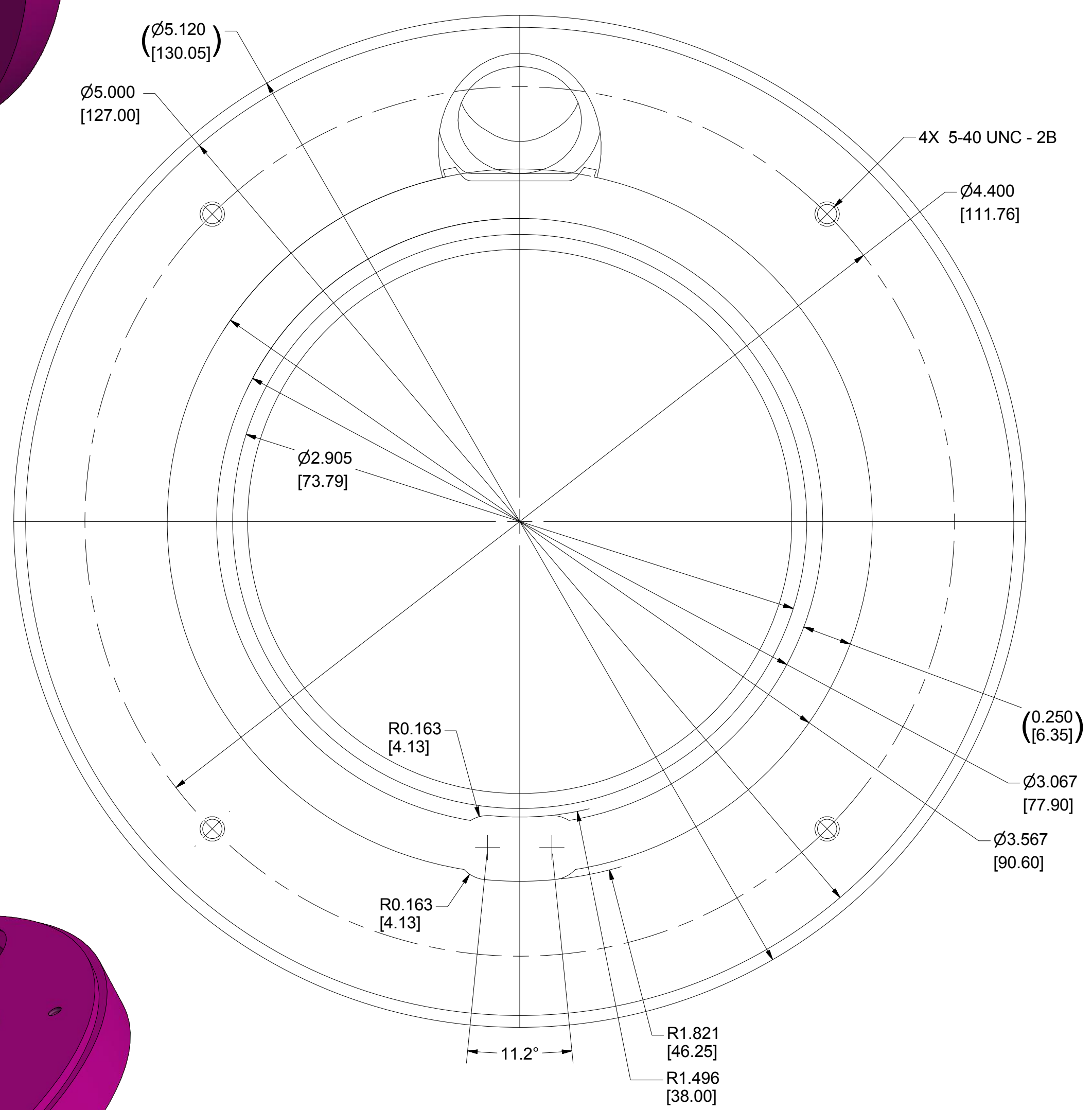
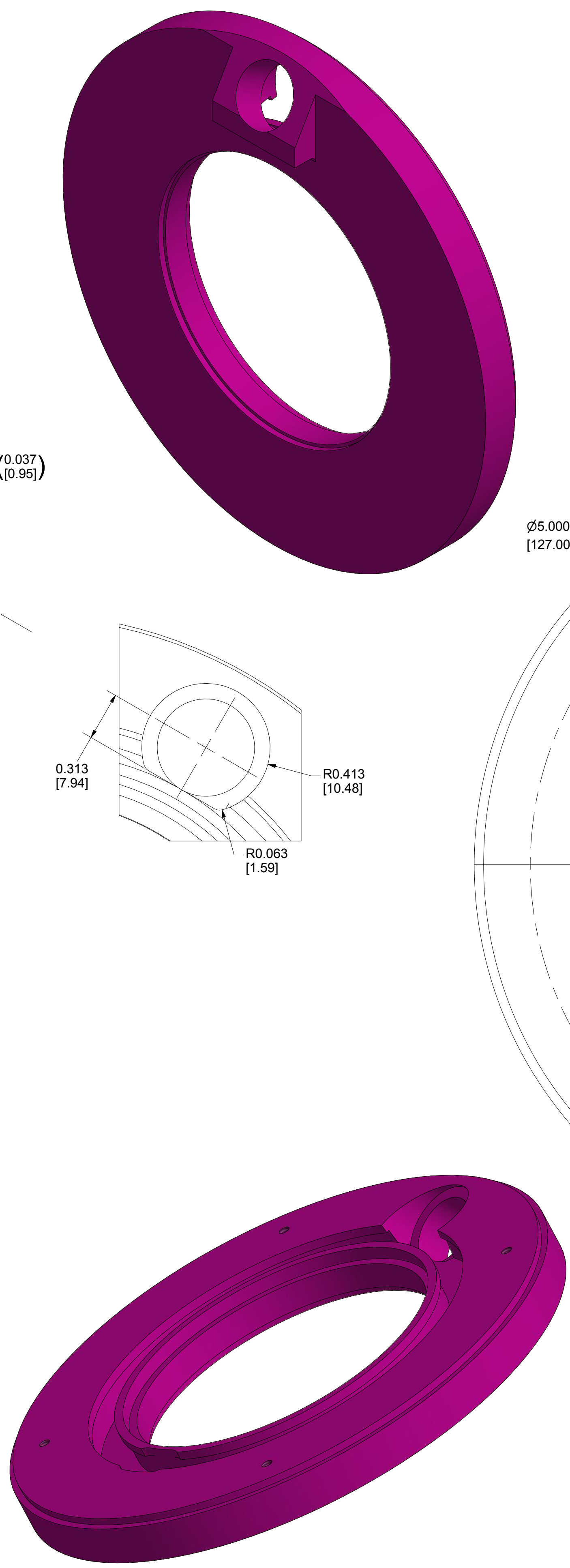
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.

17 Anode Nut Plate




FILE NAME: 7101-124  
SHEET NO.: 9  
DFT. SCALE: 2:1  
MATERIAL: 316L Stainless Steel  
QTY: 1  
NOTES:



SECTION R-R  
SCALE 2 : 1

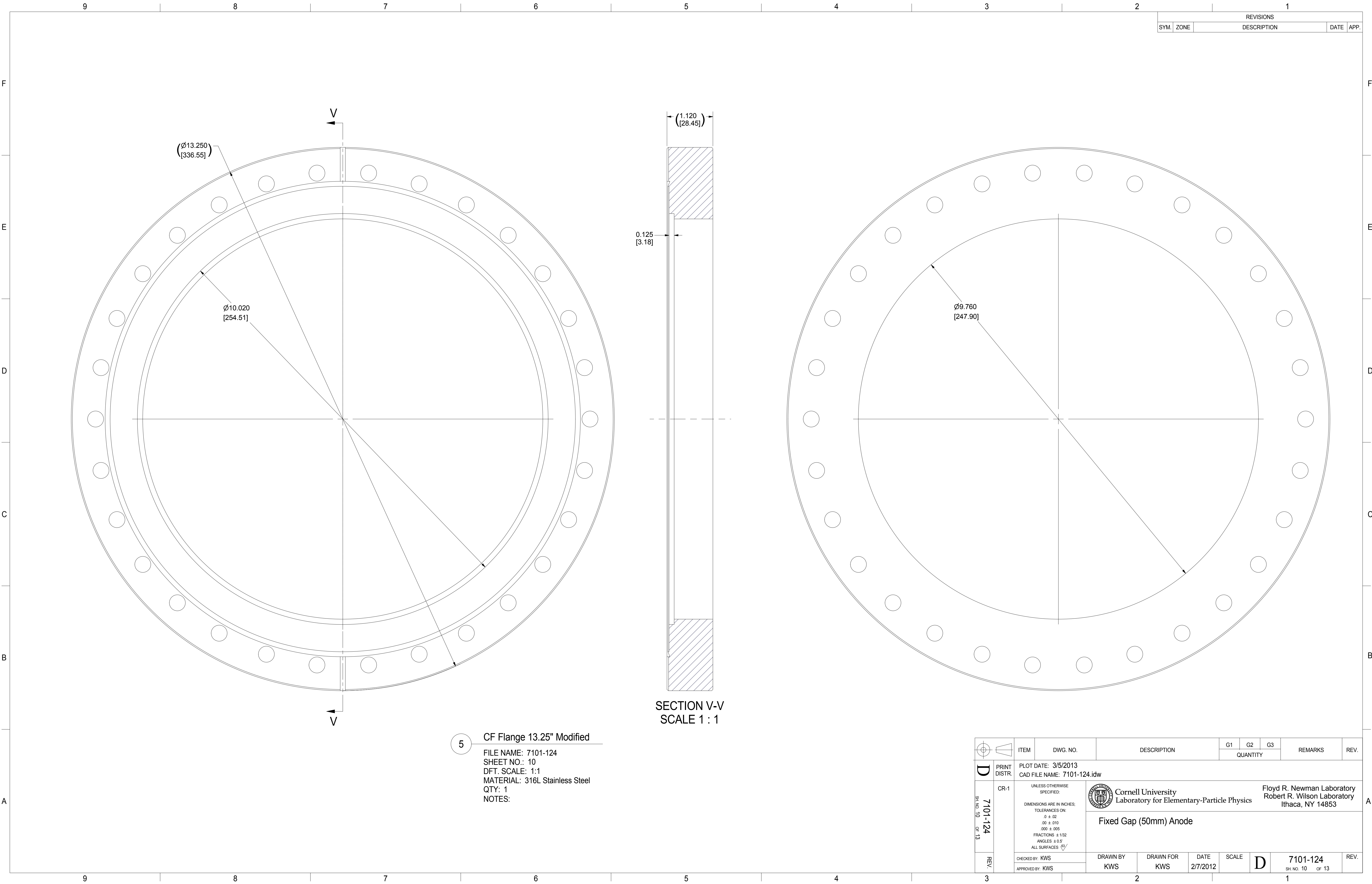


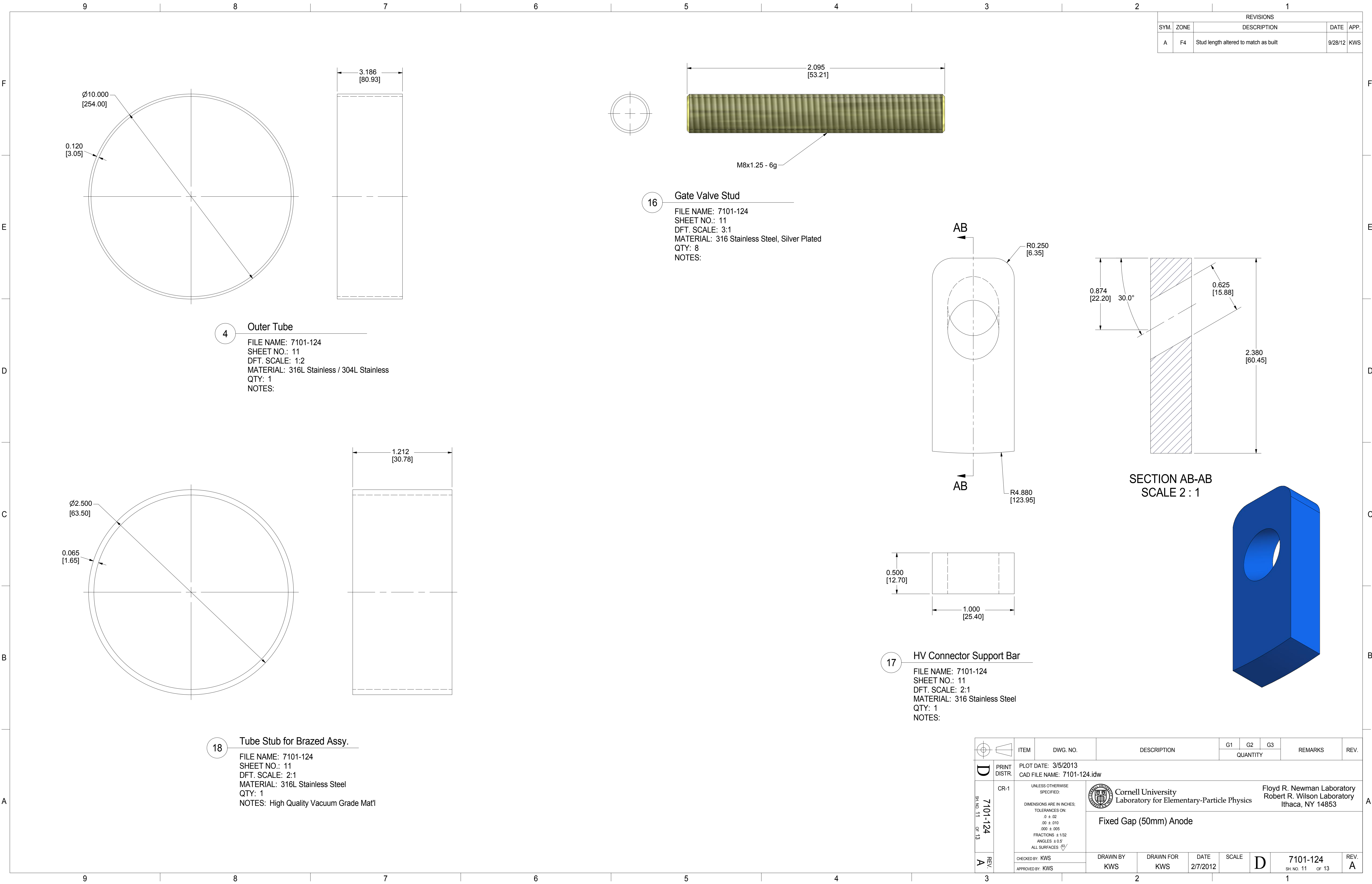
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SCALE 2 : 1

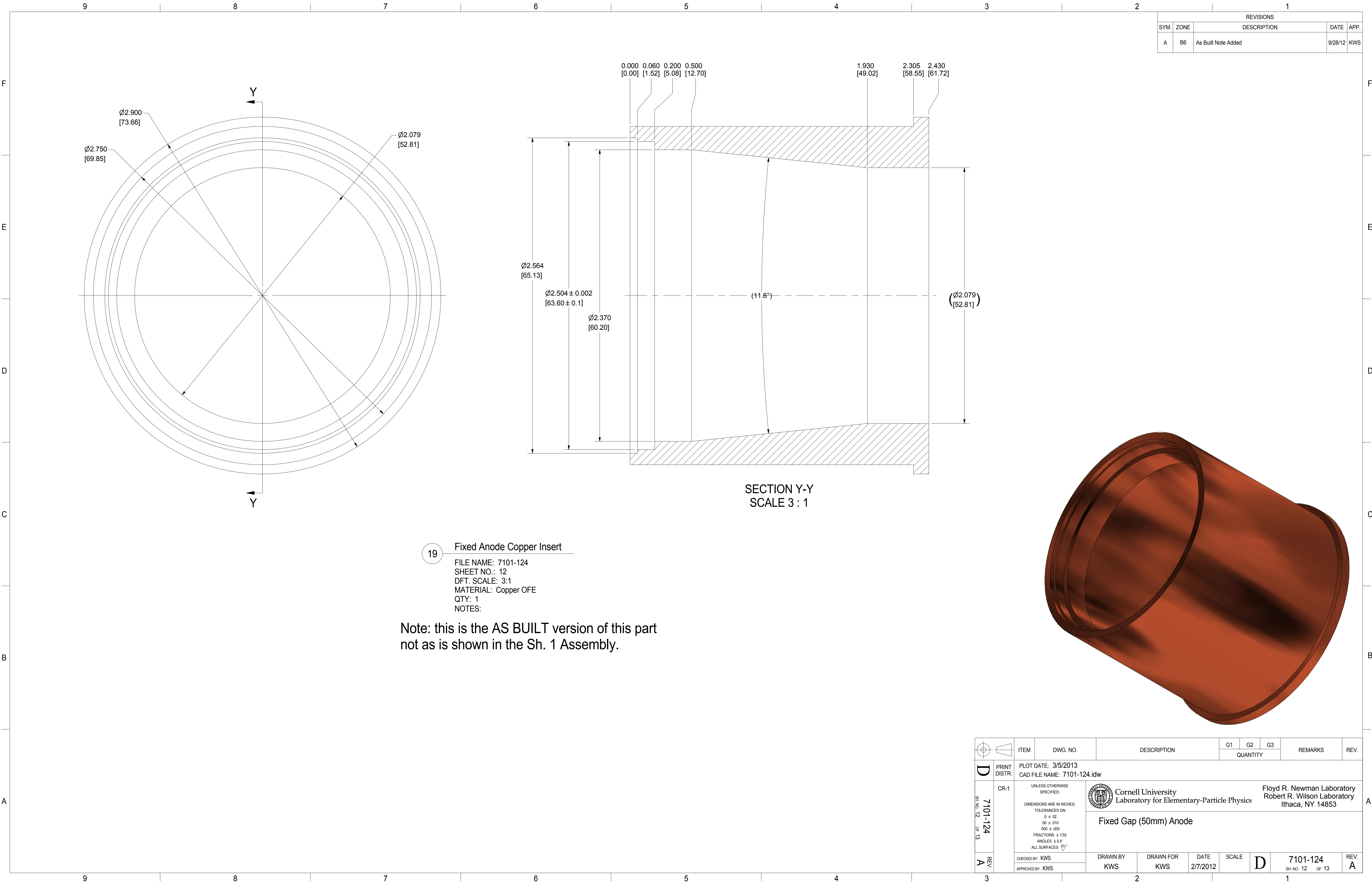
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D	PRINT DISTR.	PLOT DATE: 3/5/2013 CAD FILE NAME: 7101-124.idw								
	CR-1	<div>UNLESS OTHERWISE SPECIFIED:</div> <div>DIMENSIONS ARE IN INCHES:</div> <div>TOLERANCES ON:</div> <div>0 ± .02</div> <div>.00 ± .010</div> <div>.000 ± .005</div> <div>FRACTIONS ± 1/32</div> <div>ANGLES ± 0.5°</div> <div>ALL SURFACES </div>				<div>Cornell University Laboratory for Elementary-Particle Physics</div> <div>Floyd R. Newman Laboratory Robert R. Wilson Laboratory Ithaca, NY 14853</div>				
SH. NO. 9 OF 13	7101-124	Fixed Gap (50mm) Anode								
	REV.	CHECKED BY: KWS		DRAWN BY KWS		DATE 2/7/2012		SCALE D	7101-124	REV.
		APPROVED BY: KWS						SH. NO. 9 OF 13		

Cornell University  
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Floyd R. Newman Laboratory  
Robert R. Wilson Laboratory  
Ithaca, NY 14853


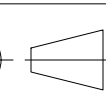


Fixed Gap (50mm) Anode



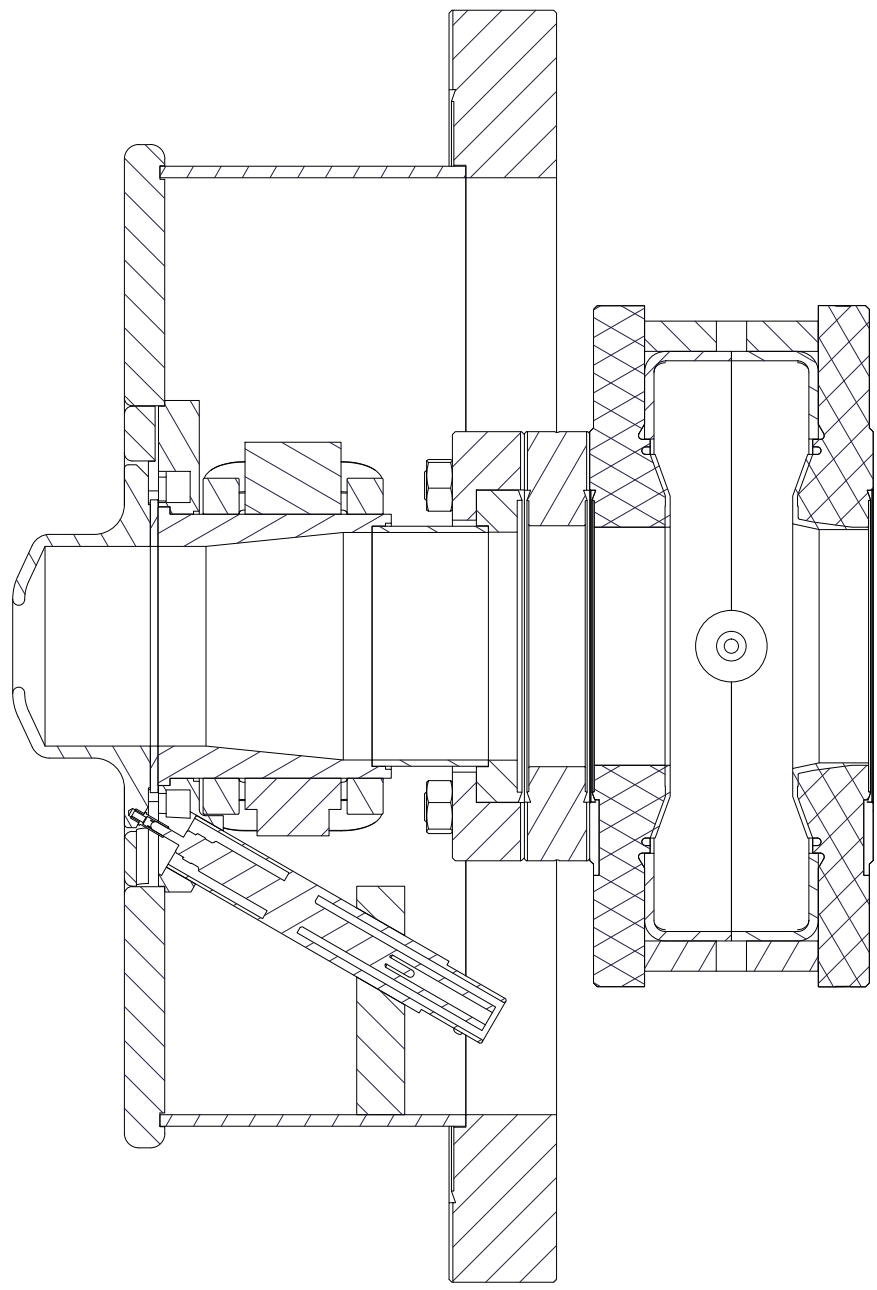
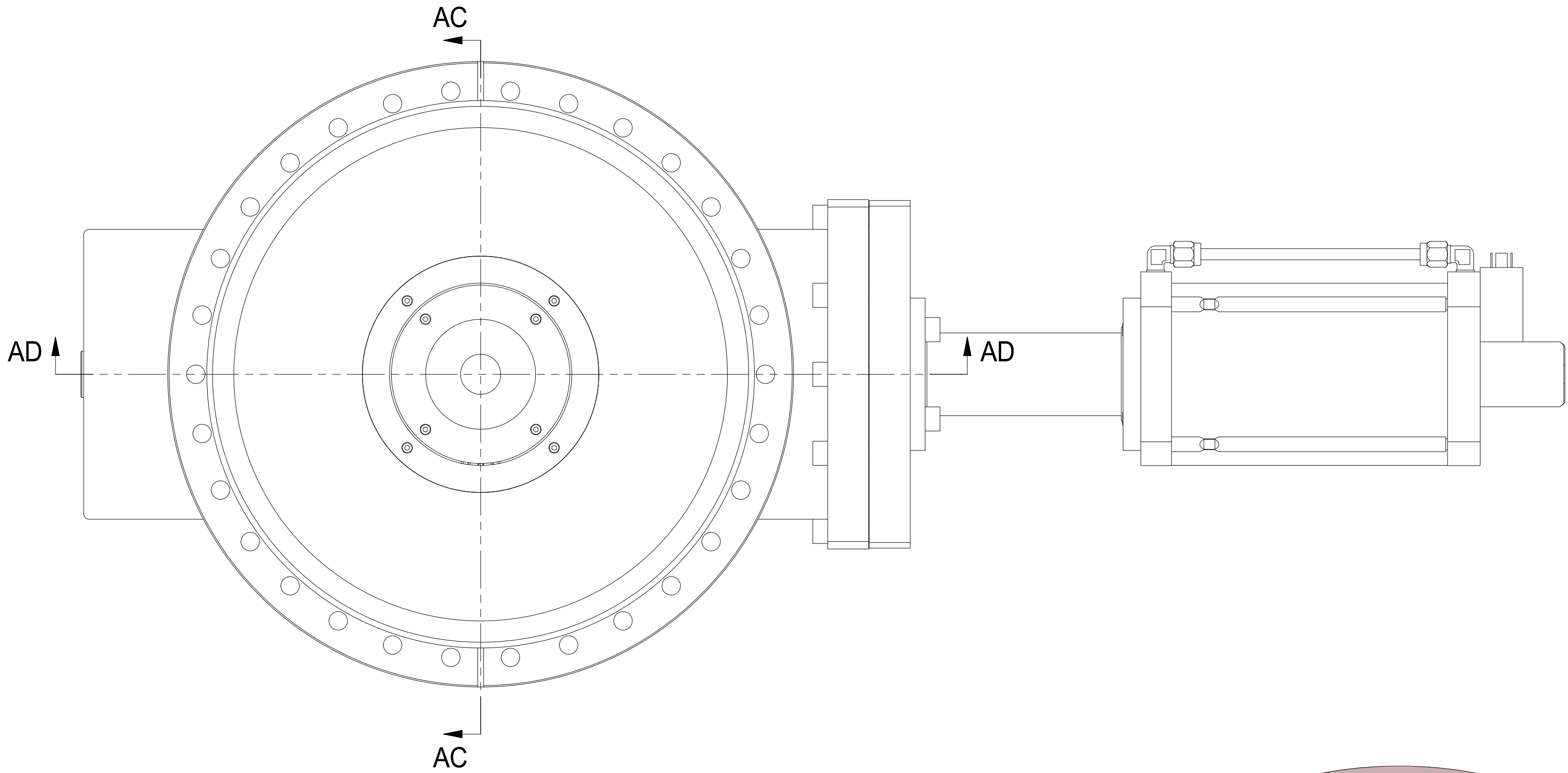




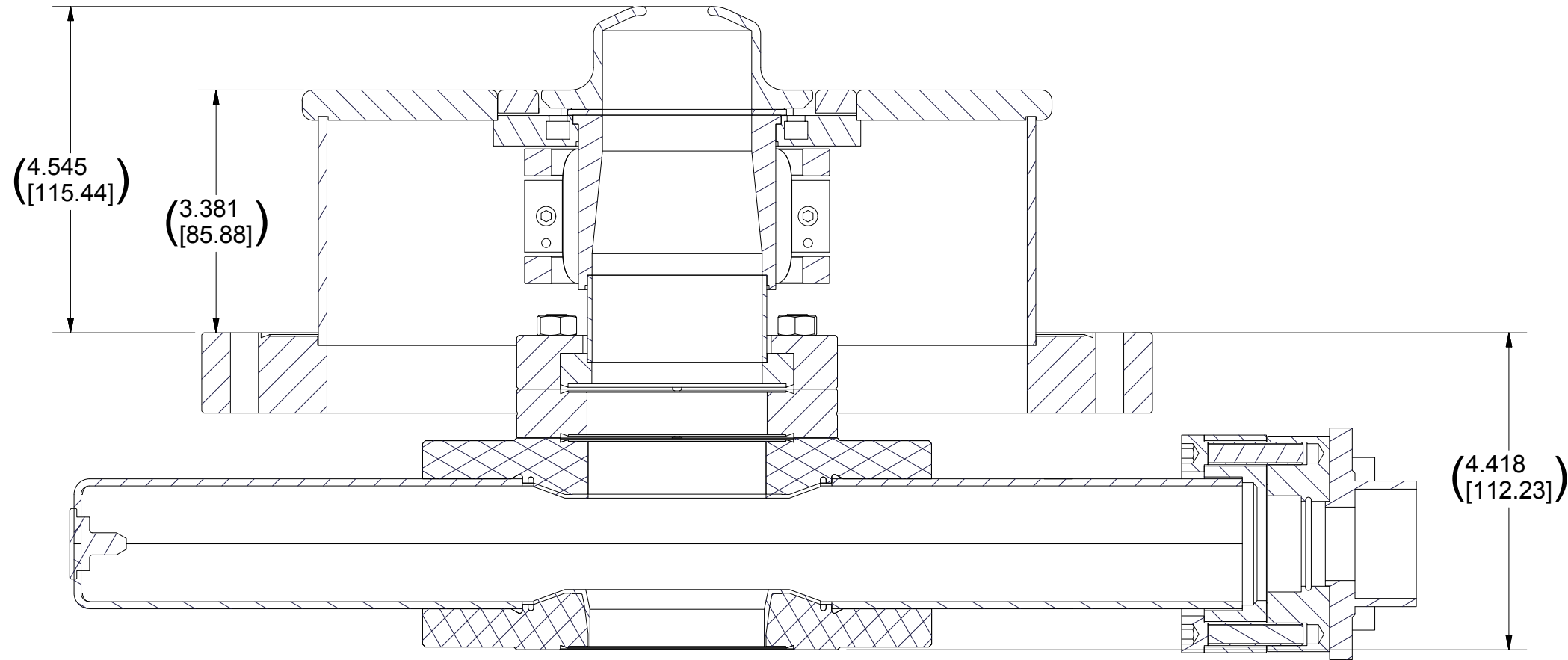
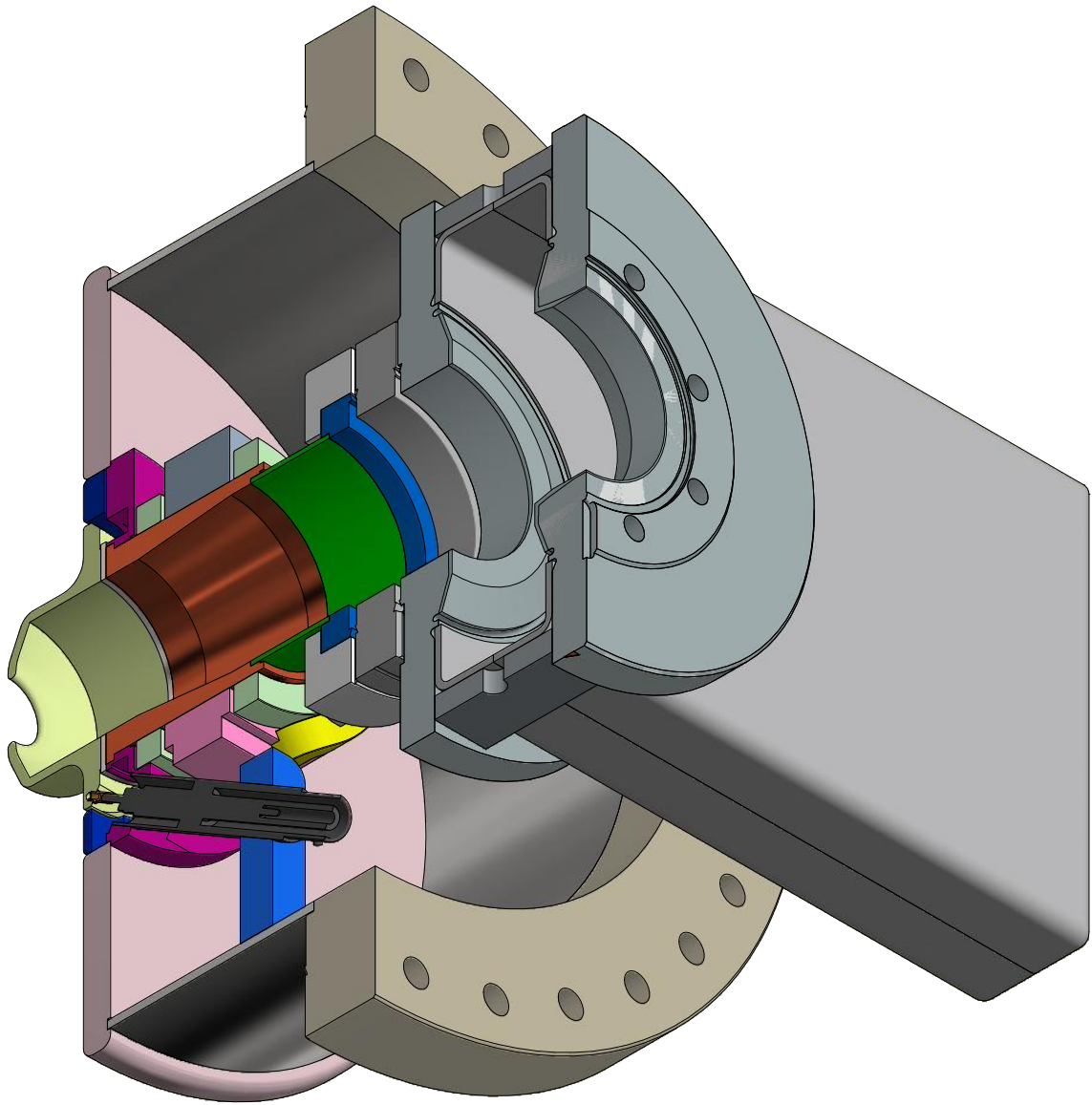
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A	B6	As Built Note Added	9/28/12	KWS

 		ITEM		DWG. NO.		DESCRIPTION			G1		G2		G3		REMARKS		REV.					
									QUANTITY													
<b>D</b>		PRINT DISTR.		PLOT DATE: 3/5/2013 CAD FILE NAME: 7101-124.idw																		
7101-124 SH. NO. 12 OF 13		CR-1		UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES; TOLERANCES ON: Ø ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES 			 Cornell University Laboratory for Elementary-Particle Physics										Floyd R. Newman Laboratory Robert R. Wilson Laboratory Ithaca, NY 14853					
							Fixed Gap (50mm) Anode															
<b>A</b>		REV.		CHECKED BY: KWS			DRAWN BY KWS			DRAWN FOR KWS			DATE 2/7/2012		SCALE		<b>D</b>		7101-124 SH. NO. 12 OF 13		REV. A	
				APPROVED BY: KWS																		

REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.

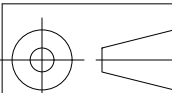




SECTION AC-AC  
SCALE 1 / 2



SECTION AD-AD  
SCALE 1 / 2

0 As Built Assembly with Short Copper Tube  
FILE NAME: 7101-124  
SHEET NO.: 13  
DFT. SCALE: 1:2  
MATERIAL: Assy  
QTY: 1  
NOTES: This is how the actual Assy was built

		ITEM		DWG. NO.		DESCRIPTION			G1		G2		G3		REMARKS		REV.		
									QUANTITY										
D		PRINT DISTR.		PLOT DATE: 3/5/2013 CAD FILE NAME: 7101-124.idw															
7101-124 SH. NO. 13 OF 13		CR-1		UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES:  TOLERANCES ON: .0 ± .02 .00 ± .010 .000 ± .005  FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES 			 Cornell University Laboratory for Elementary-Particle Physics  Floyd R. Newman Laboratory Robert R. Wilson Laboratory Ithaca, NY 14853												
		Fixed Gap (50mm) Anode																	
REV.		CHECKED BY: KWS		DRAWN BY KWS			DRAWN FOR KWS			DATE 2/7/2012		SCALE		D		7101-124 SH. NO. 13 OF 13		REV.	
		APPROVED BY: KWS																	