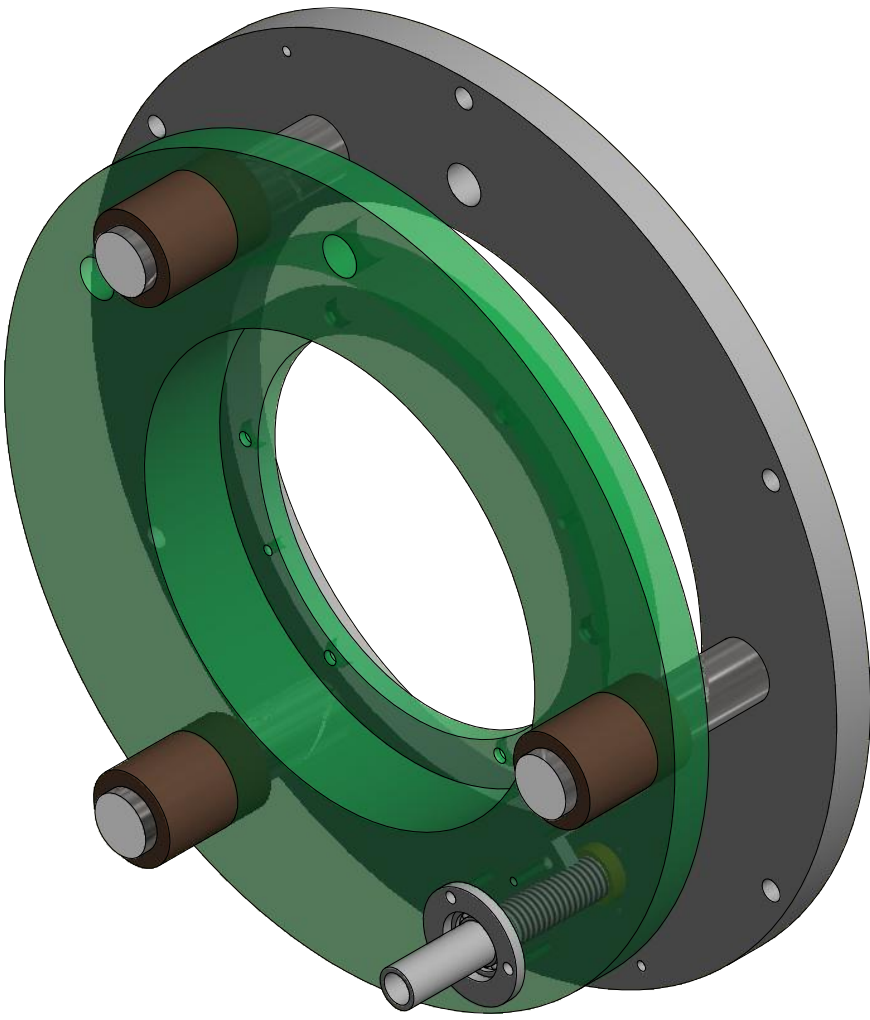
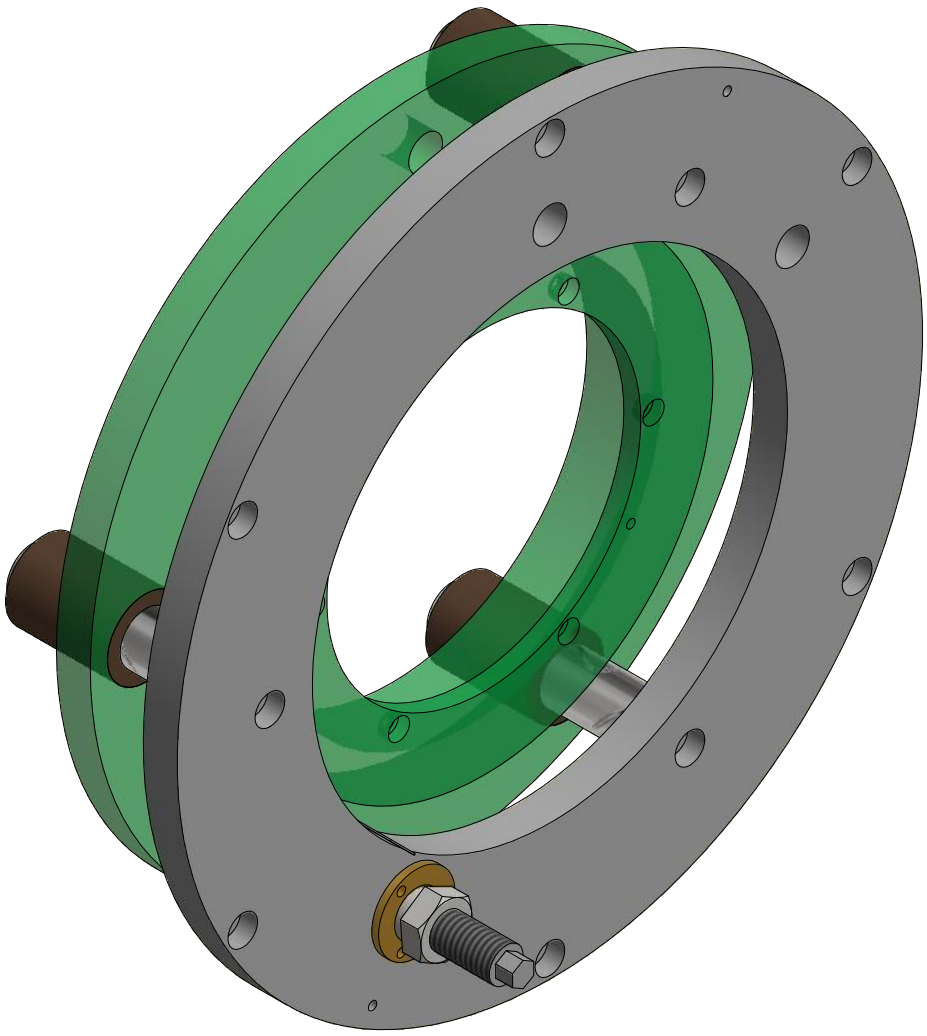
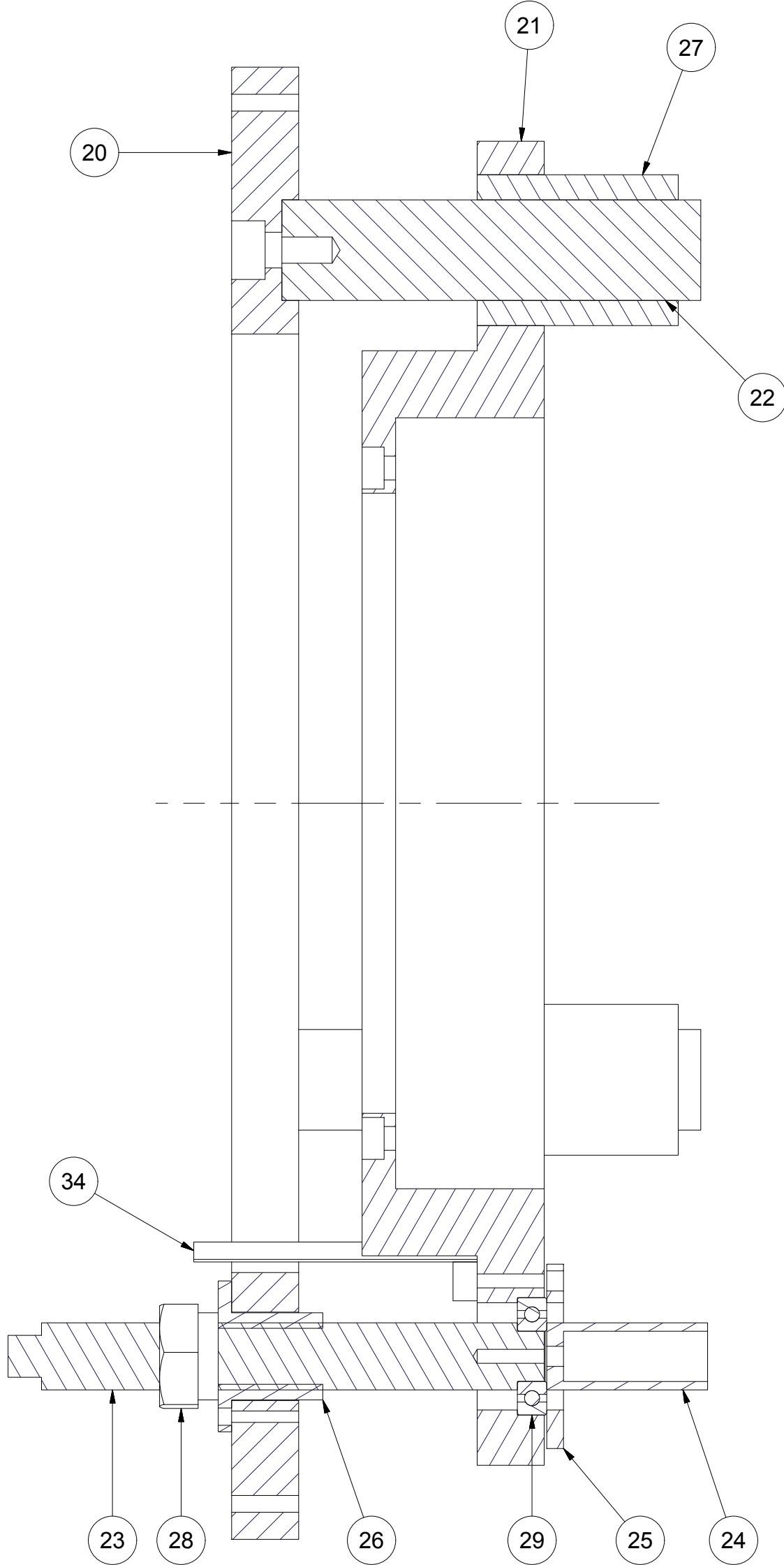
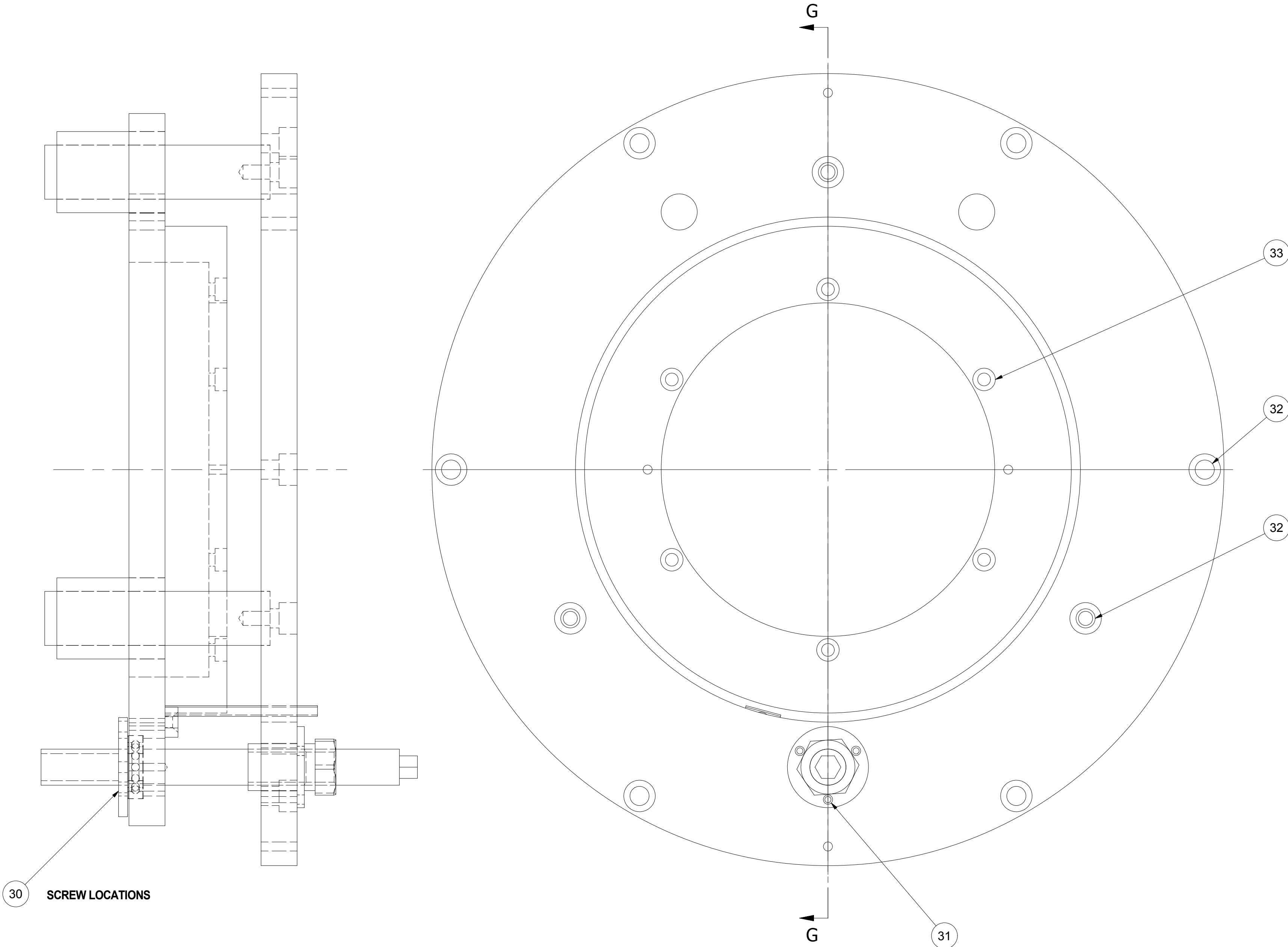
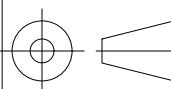
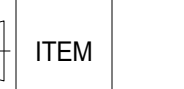




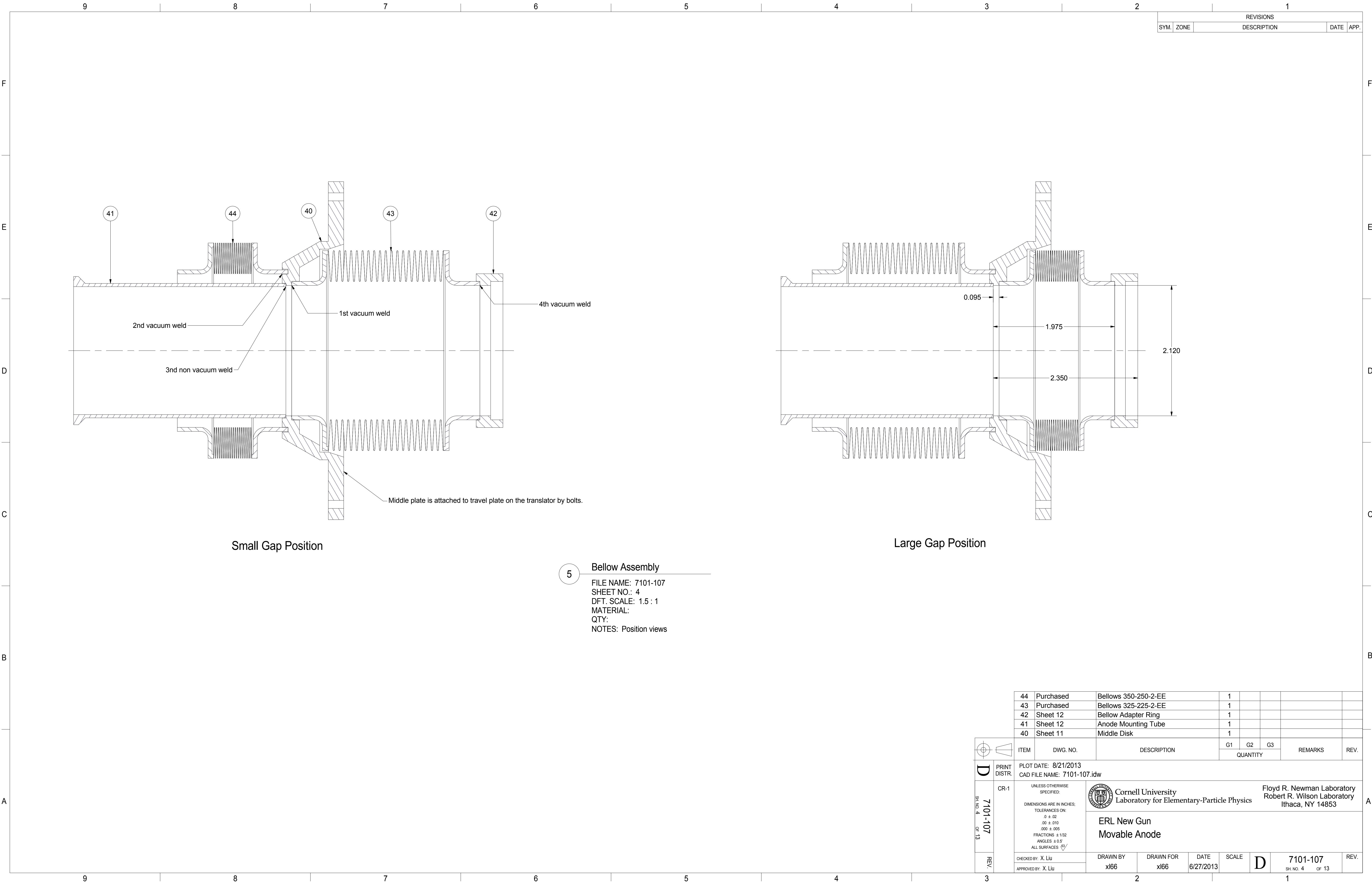
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A	C4	Added item 34 to asm	8/20/13	XL

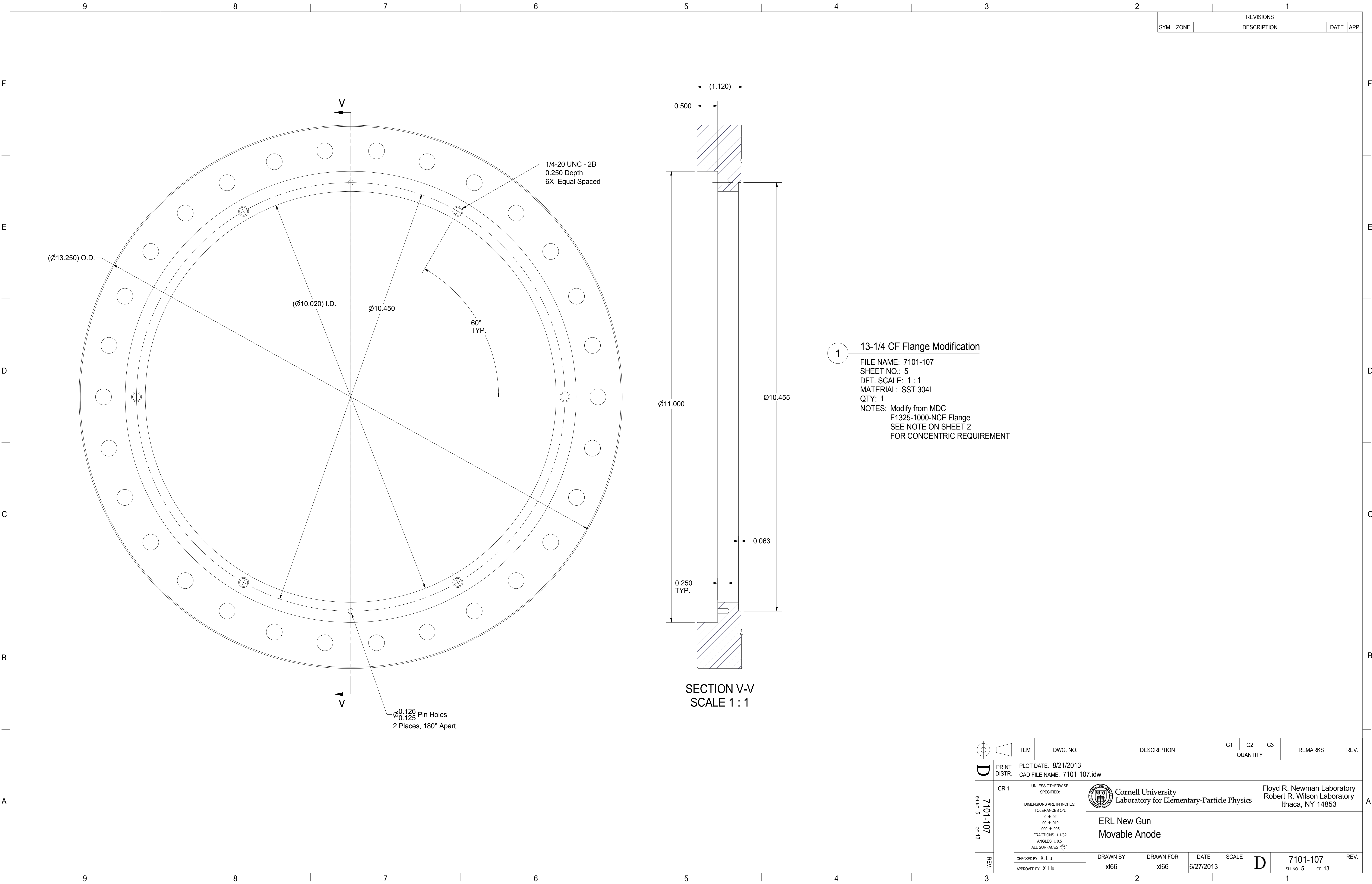


**4** Translator Assembly  
FILE NAME: 7101-107  
SHEET NO.: 3  
DFT. SCALE: 1 : 1  
MATERIAL:  
QTY: 1  
NOTES:




34	Sheet 10	Ruler	1					
33		Socket Head Cap Screw, 8-32x5/16	6					
32		Socket Head Cap Screw, 1/4-20x7/16	9					
31		Socket Head Cap Screw, 4-40x3/8	3					
30		Socket Head Cap Screw, 6 - 32 x 3/8	4					
29	Purchased	Bearing, 6138K14	1				McMaster Carr	
28	Sheet 10	Hex Nuts 1/2-13, Modified	1					
27	Purchased	Sleeve Bearing, 9368T197	3				McMaster Carr	
26	7120-039 Sheet 4 Item 14	Brass Insert	1					
25	Sheet 10	Bearing Clamp	1					
24	Sheet 10	Shaft Clamp	1					
23	Sheet 10	Drive Rod	1					
22	Sheet 10	Guide Rod	3					
21	Sheet 9	Travel Plate	1					
20	Sheet 8	Base Plate	1					

		ITEM		DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS		REV.
		QUANTITY											
D	PRINT DISTR.	PLOT DATE: 8/21/2013 CAD FILE NAME: 7101-107.idw											
	CR-1	<div><div><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><div>Cornell University Laboratory for Elementary-Particle Physics</div><div>Floyd R. Newman Laboratory Robert R. Wilson Laboratory Ithaca, NY 14853</div></div>											
7101-107 SH. NO. 3 OF 13		<div>ERL New Gun</div> <div>Movable Anode</div>											
	REV. A	<div>CHECKED BY: X. Liu</div> <div>APPROVED BY: X. Liu</div>	<div>DRAWN BY</div> <div>xl66</div>	<div>DRAWN FOR</div> <div>xl66</div>	<div>DATE</div> <div>6/27/2013</div>	<div>SCALE</div> <div>D</div>	<div>7101-107</div> <div>SH. NO. 3 OF 13</div>	<div>REV.</div> <div>A</div>					

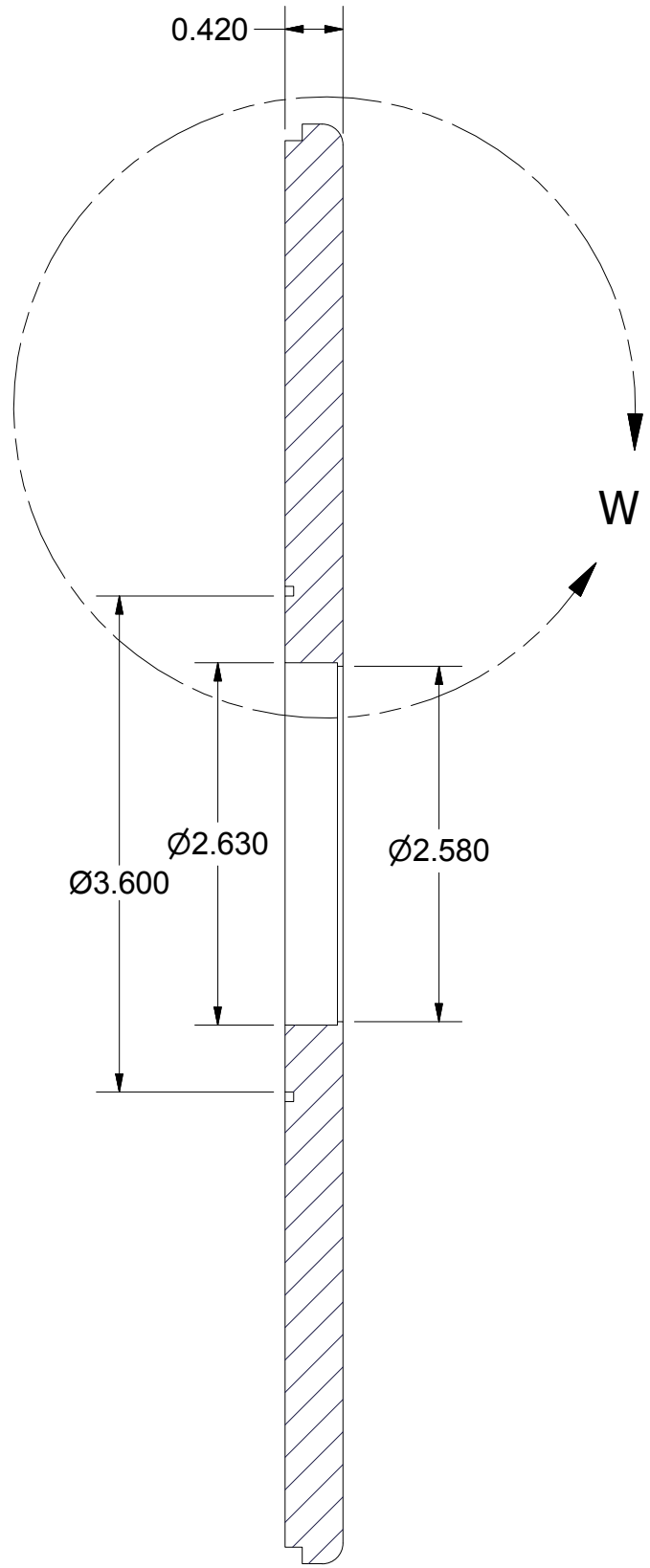
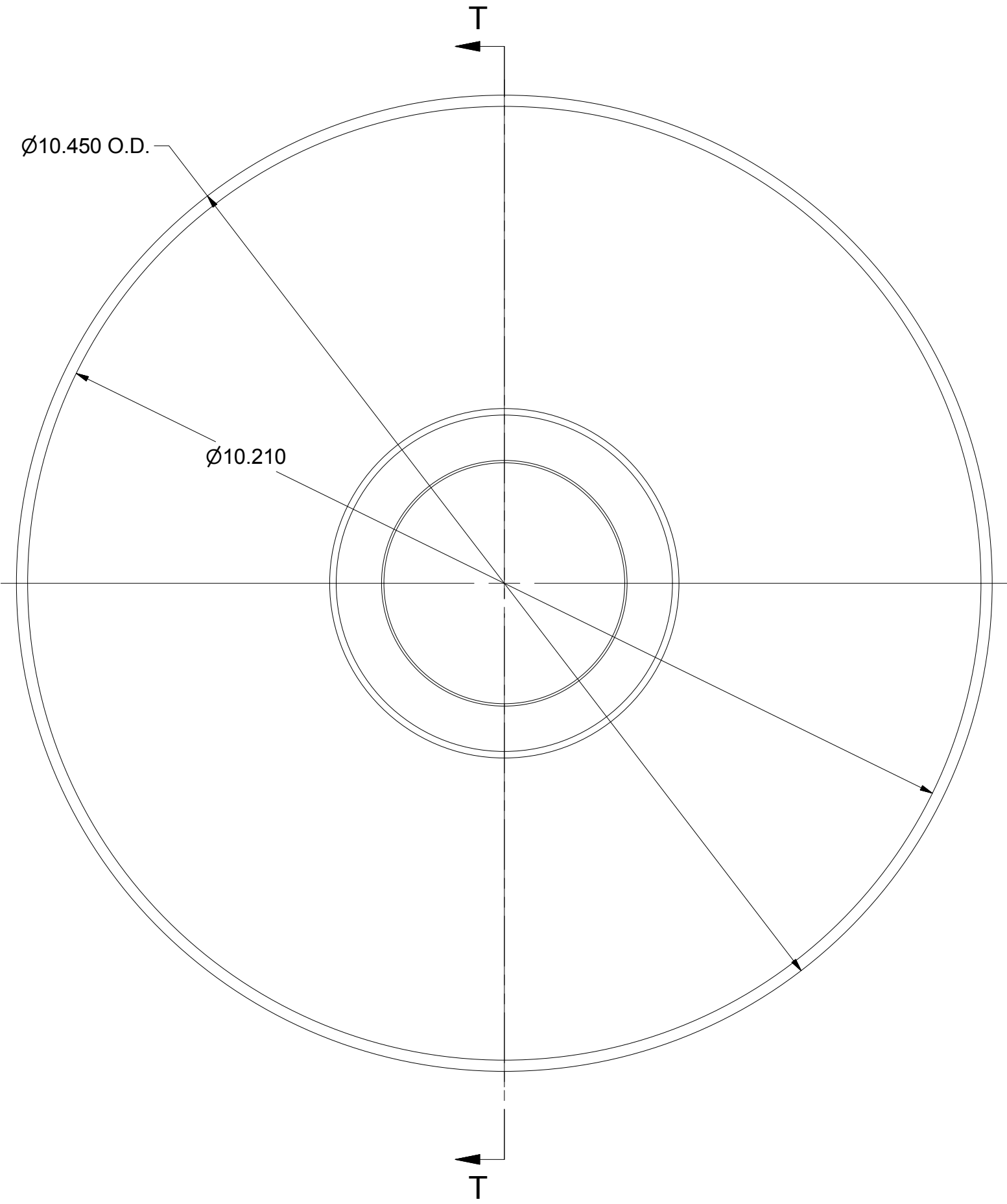




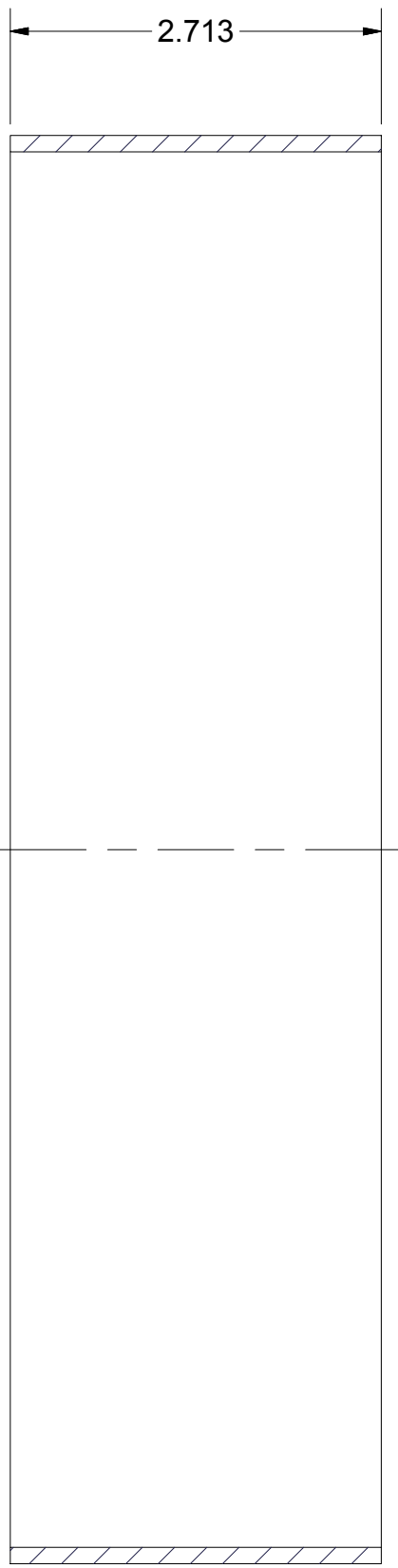
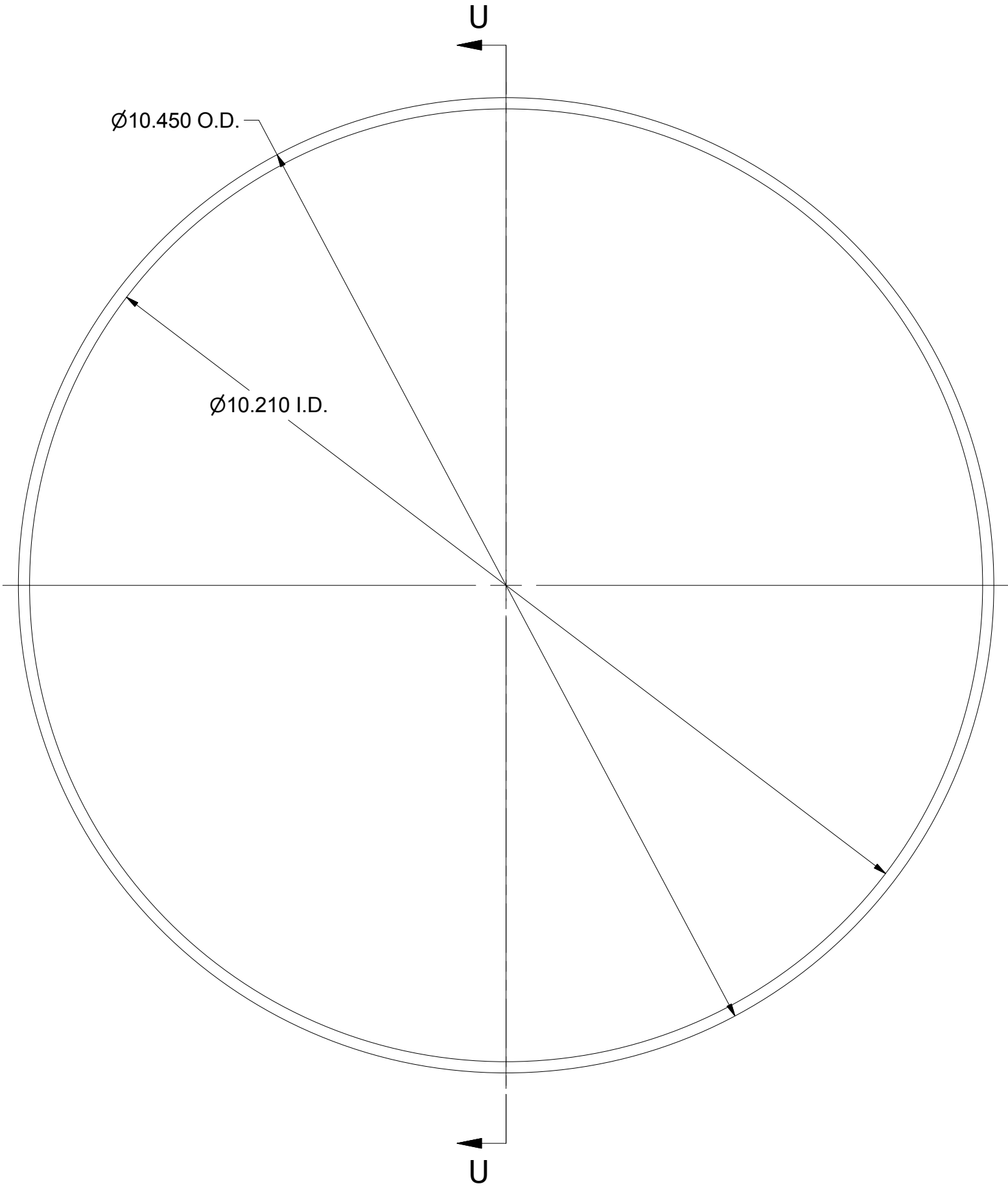
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.

		ITEM		DWG. NO.		DESCRIPTION			G1		G2		G3		REMARKS		REV.		
									QUANTITY										
D		PRINT DISTR.		PLOT DATE: 8/21/2013 CAD FILE NAME: 7101-107.idw															
7101-107 SH. NO. 5 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												
							ERL New Gun Movable Anode												
REV.		CHECKED BY: X. Liu		DRAWN BY xl66			DRAWN FOR xl66			DATE 6/27/2013		SCALE		D		7101-107 SH. NO. 5 OF 13		REV.	
		APPROVED BY: X. Liu																	

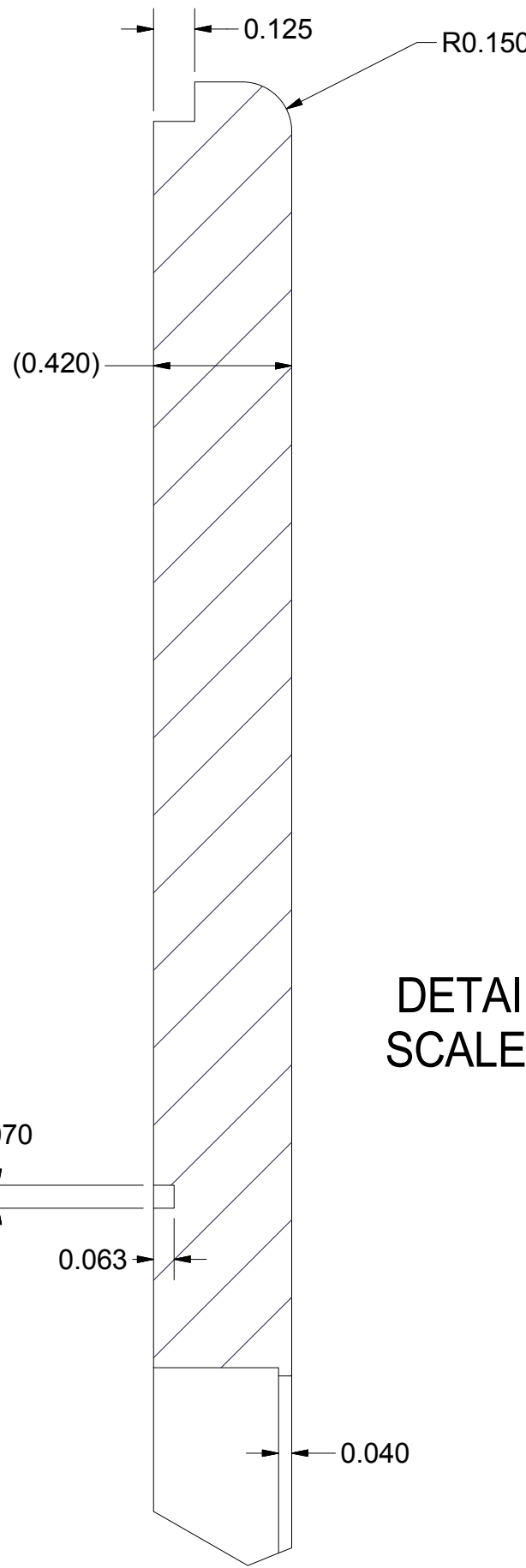
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.



SECTION T-T  
SCALE .75




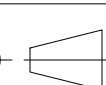


SECTION U-U  
SCALE .75



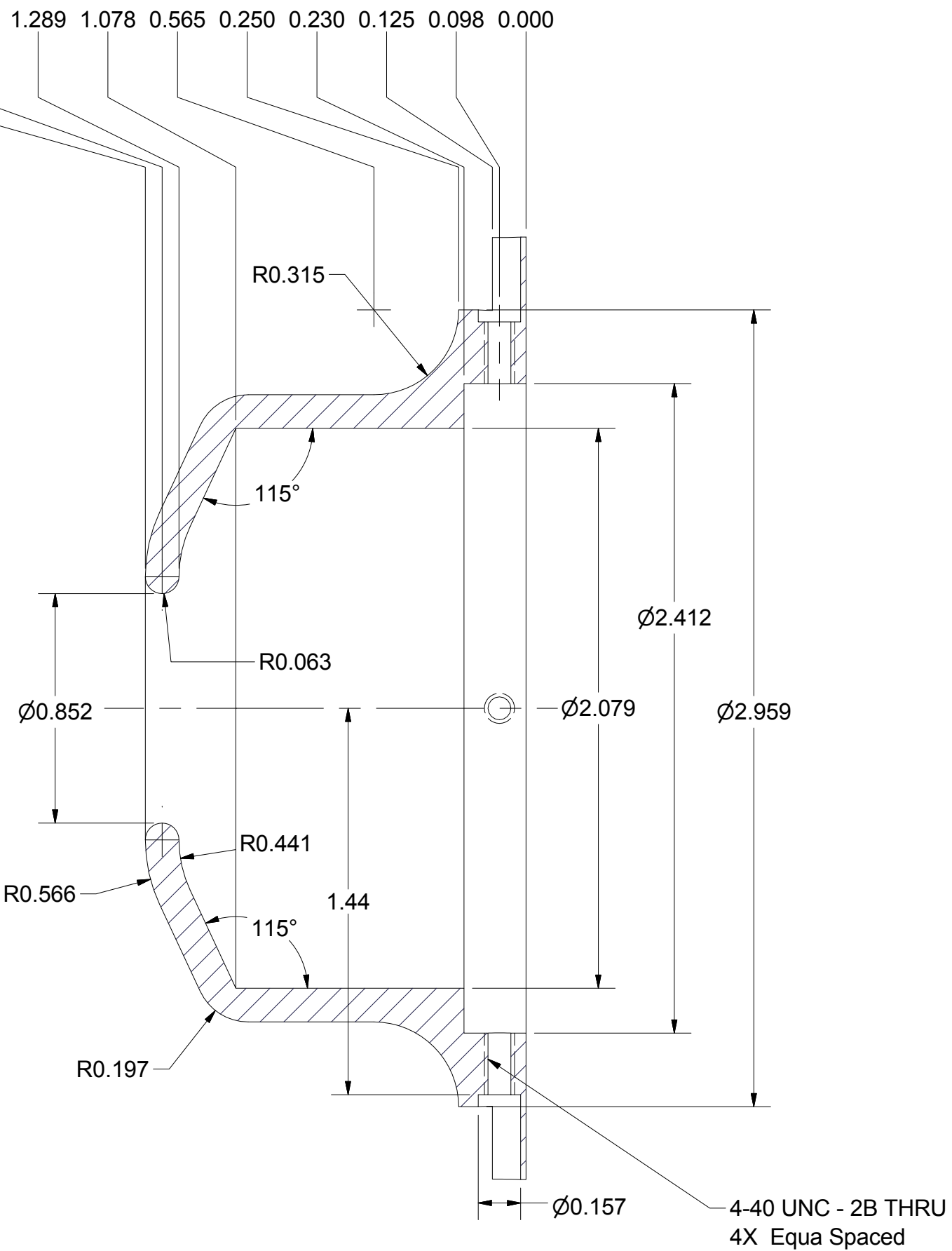
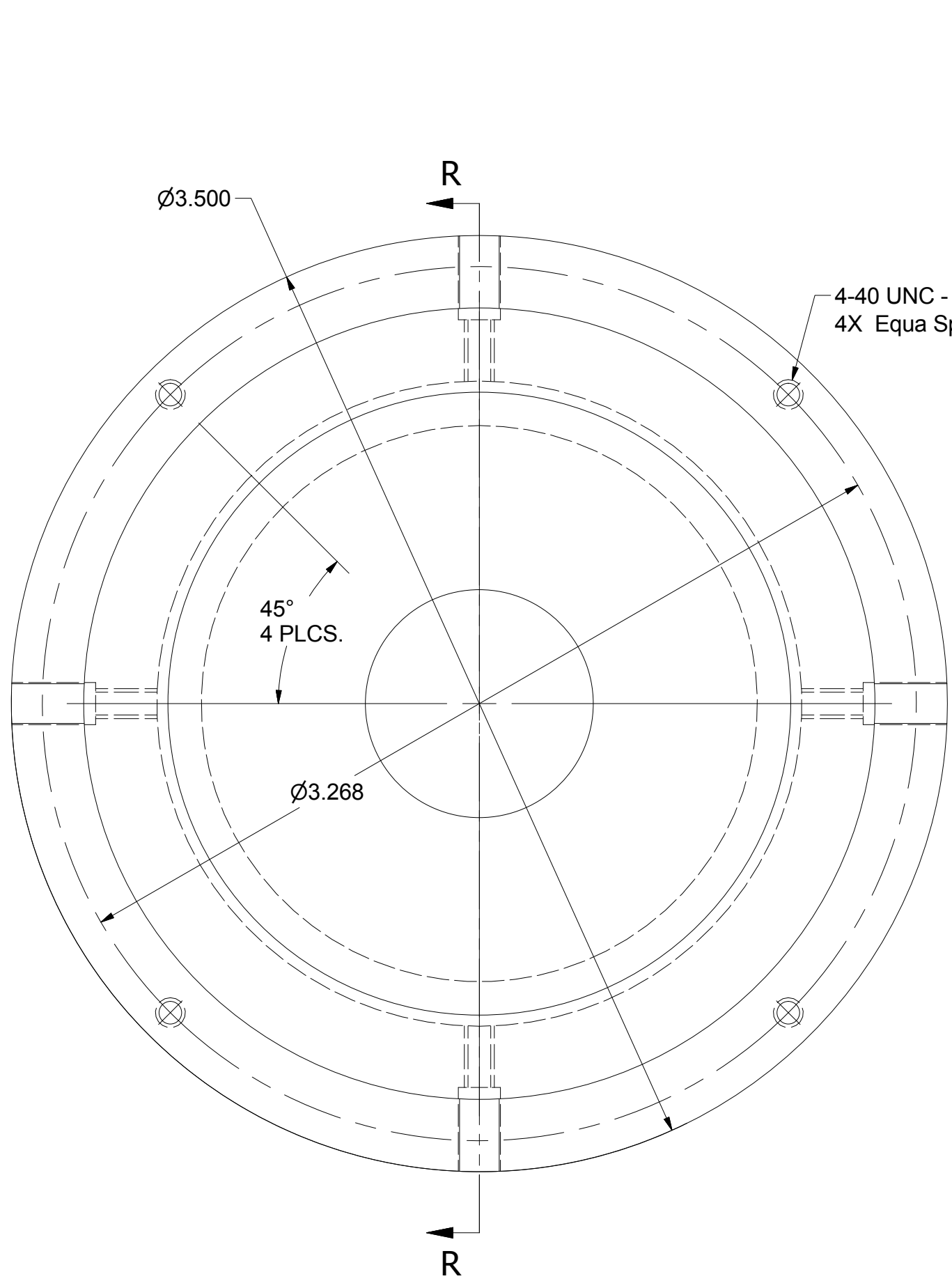
DETAIL W  
SCALE 2 : 1

**3 Front Plate**  
FILE NAME: 7101-107  
SHEET NO.: 6  
DFT. SCALE: 3 : 4  
MATERIAL: SST 304L  
QTY: 1  
NOTES:

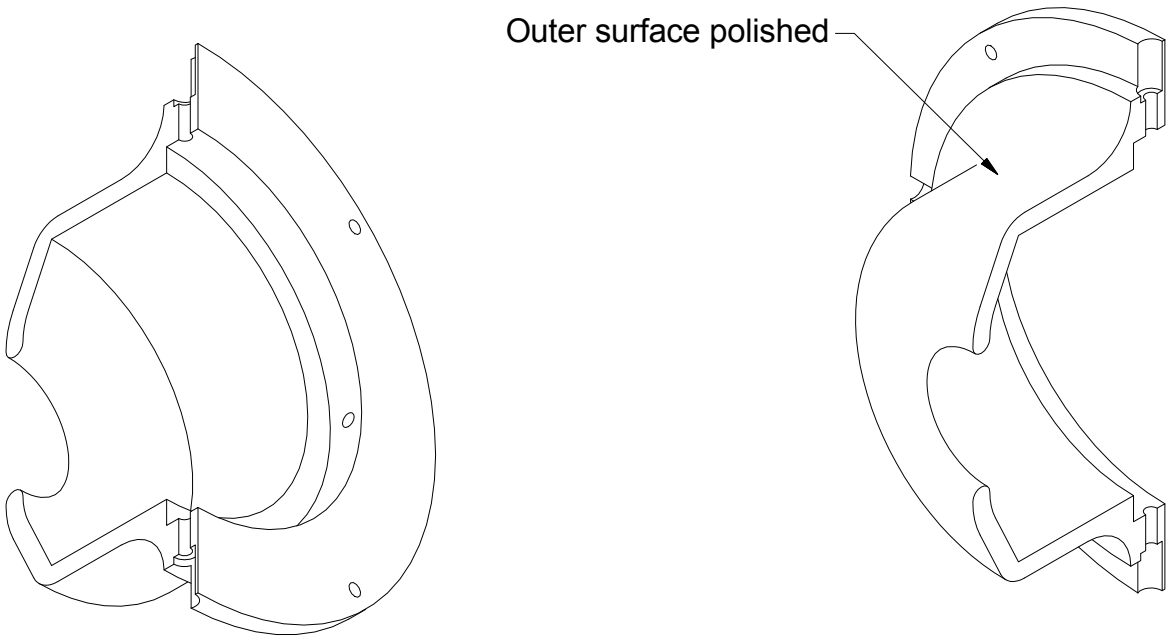
**2 Outer Tube**  
FILE NAME: 7101-107  
SHEET NO.: 6  
DFT. SCALE: 3 : 4  
MATERIAL: SST 304L  
QTY: 1  
NOTES:

 		ITEM		DWG. NO.		DESCRIPTION			G1		G2		G3		REMARKS		REV.	
									QUANTITY									
<b>D</b>		PRINT DISTR.		PLOT DATE: 8/21/2013 CAD FILE NAME: 7101-107.idw														
7101-107 SH. NO. 6 OF 13		CR-1		 Cornell University Laboratory for Elementary-Particle Physics			Floyd R. Newman Laboratory Robert R. Wilson Laboratory Ithaca, NY 14853											
		UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES; TOLERANCES ON: Ø ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES 																
		REV.		CHECKED BY: X. Liu		DRAWN BY xl66		DRAWN FOR xl66		DATE 6/27/2013		SCALE		<b>D</b>		7101-107 SH. NO. 6 OF 13		REV.
		APPROVED BY: X. Liu																

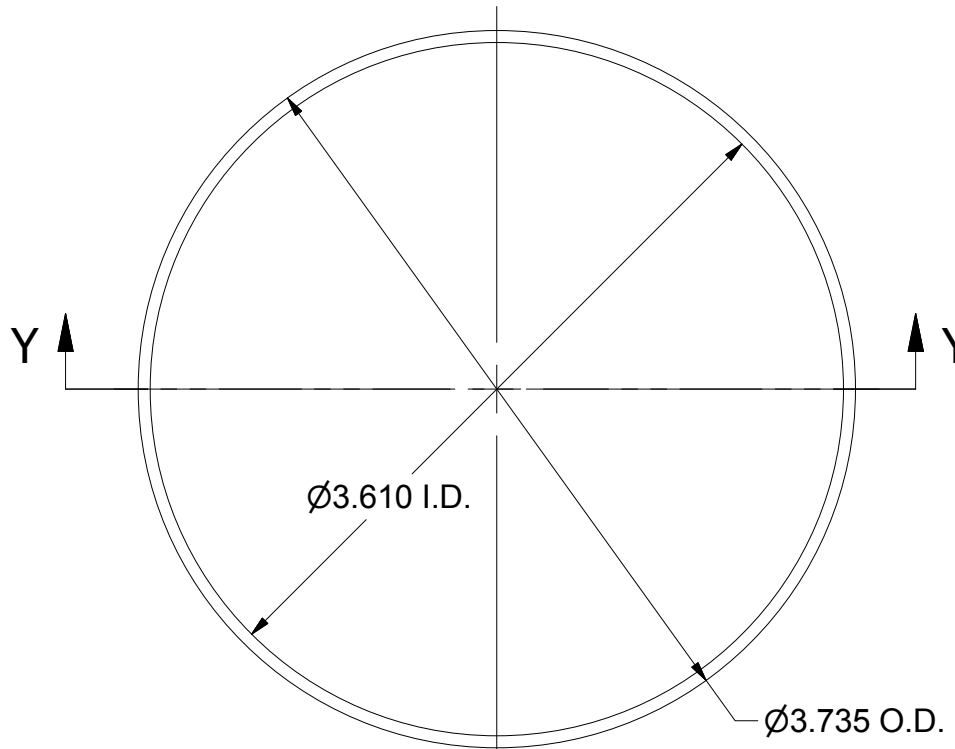
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.



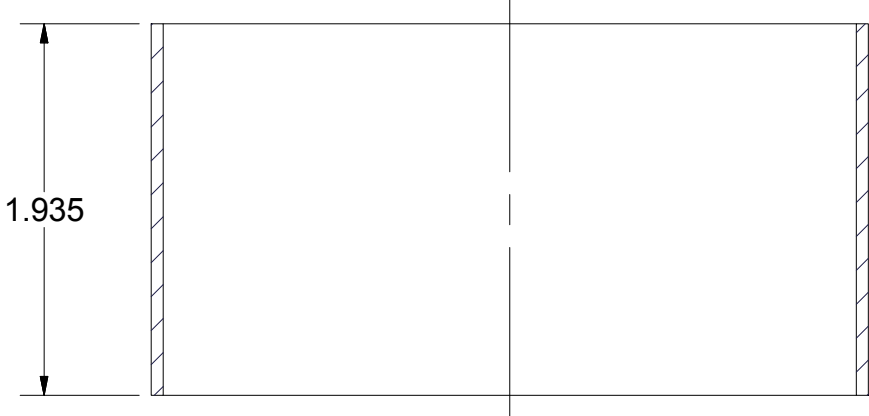
SECTION R-R  
SCALE 2 : 1



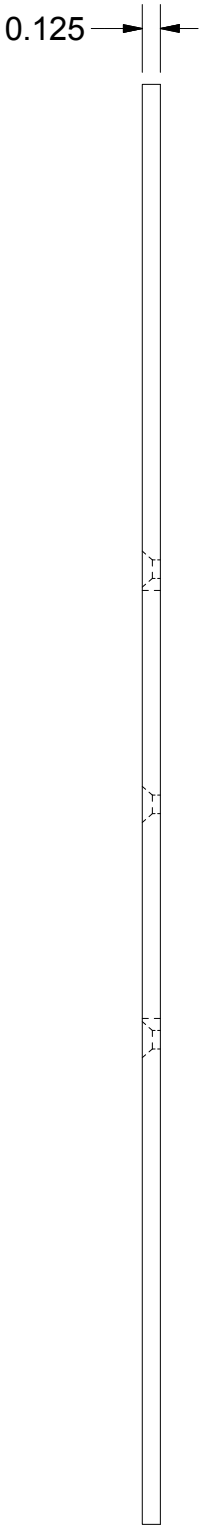
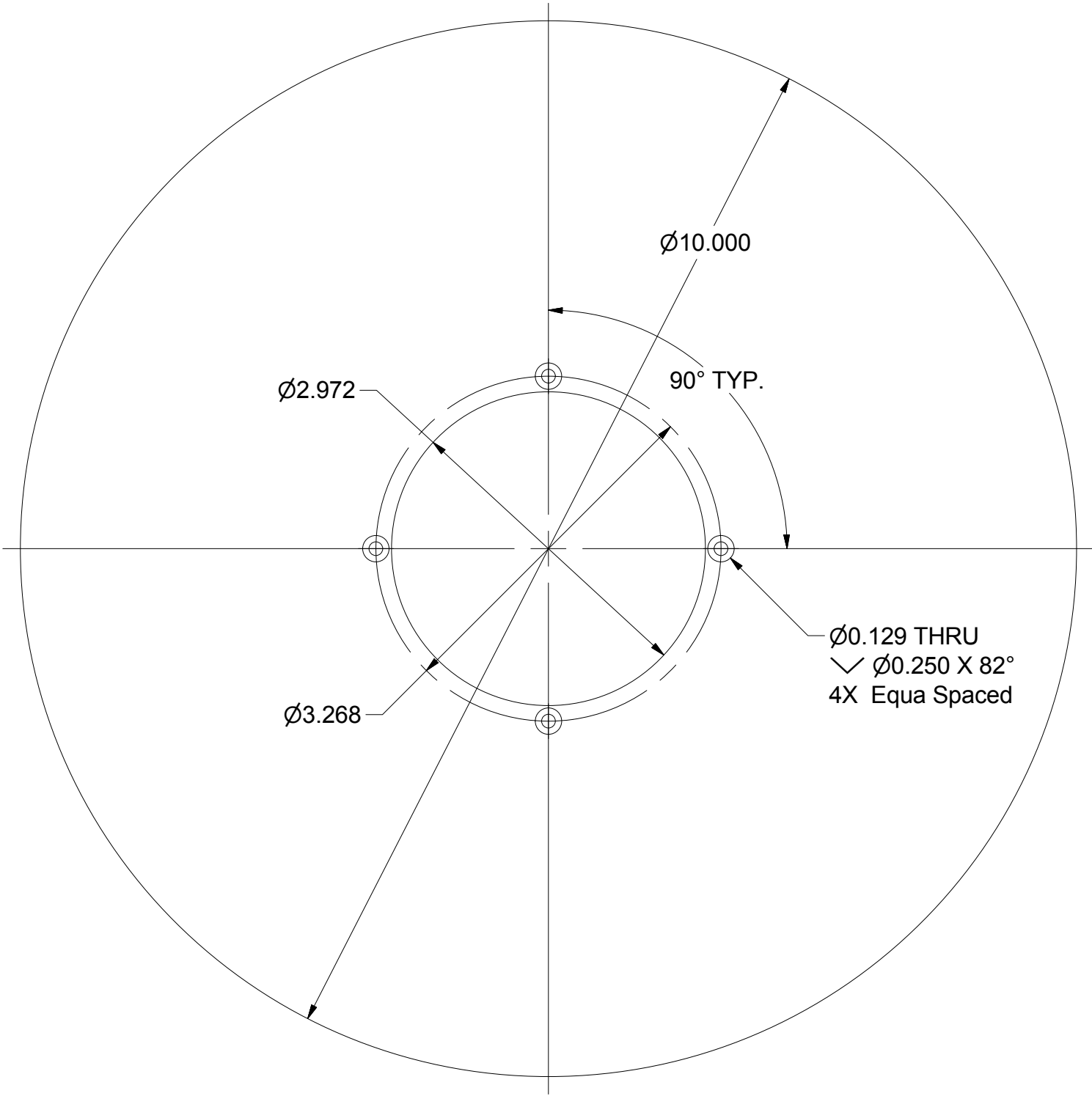
6 Anode  
FILE NAME: 7101-107  
SHEET NO.: 7  
DFT. SCALE: 2 : 1  
MATERIAL: Titanium Grade 2  
QTY: 1  
NOTES:







9 Corrector Support Tube  
FILE NAME: 7101-107  
SHEET NO.: 7  
DFT. SCALE: 1 : 1  
MATERIAL: SST 304L  
QTY: 1  
NOTES:



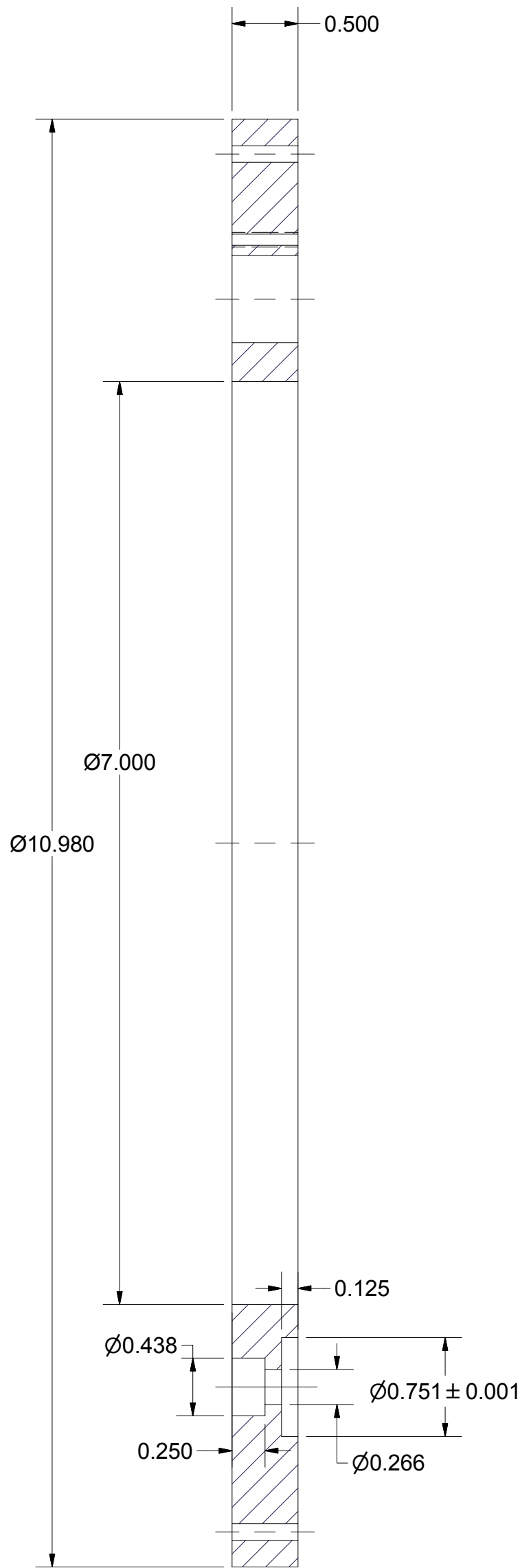
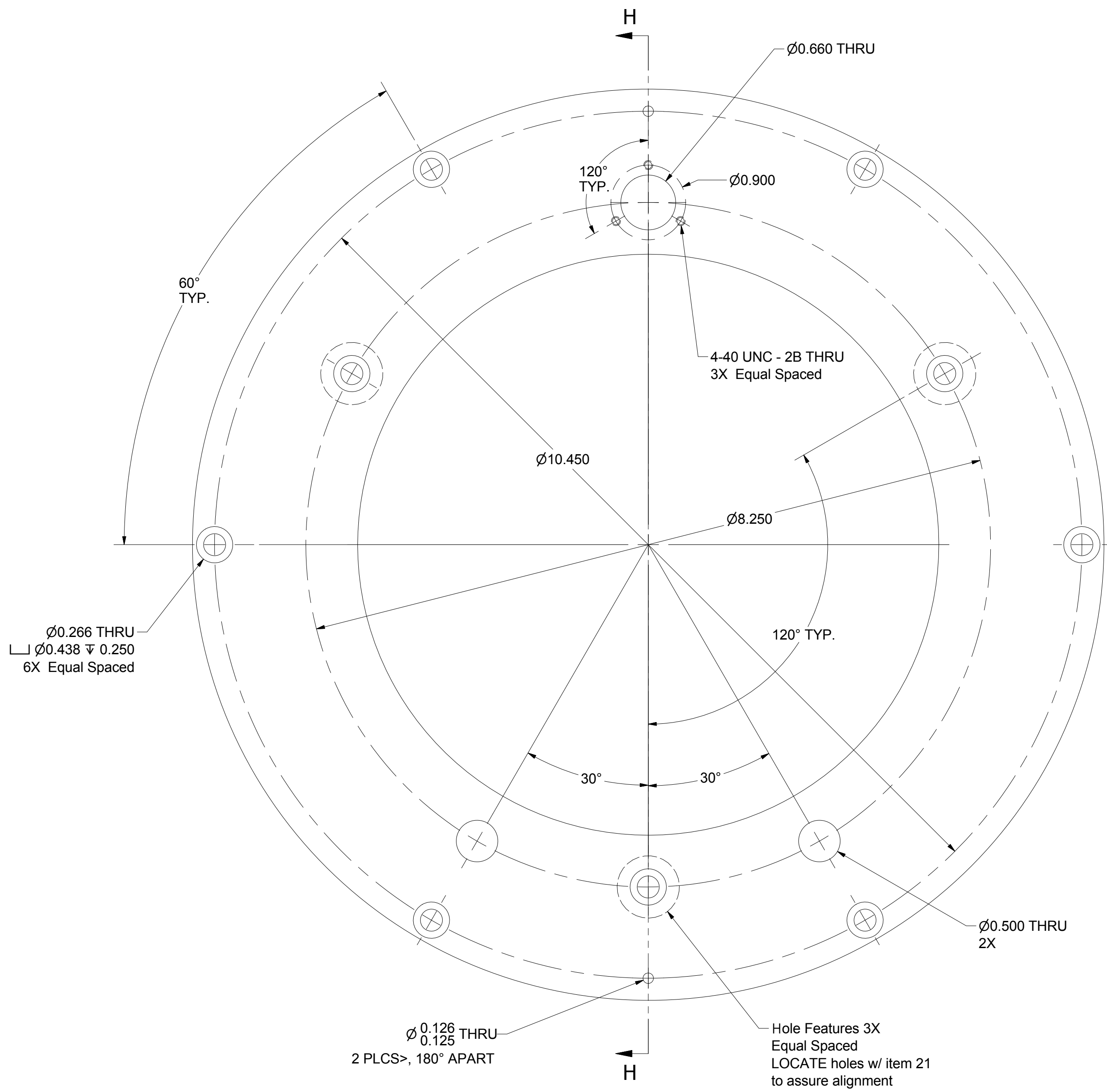
SECTION Y-Y  
SCALE 1 : 1



7 Anode Disc  
FILE NAME: 7101-107  
SHEET NO.: 7  
DFT. SCALE: 3 : 4  
MATERIAL: Titanium Grade 2  
QTY: 1  
NOTES:


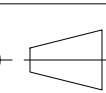

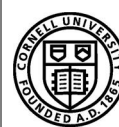
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									QUANTITY												
		PRINT DISTR.		PLOT DATE: 8/21/2013 CAD FILE NAME: 7101-107.idw																	
D		CR-1		UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES; TOLERANCES ON: .0 ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES 		 Cornell University Laboratory for Elementary-Particle Physics										Floyd R. Newman Laboratory Robert R. Wilson Laboratory Ithaca, NY 14853					
						ERL New Gun Movable Anode															
SH. NO. 7 OF 13		7101-107		REV.		CHECKED BY: X. Liu		DRAWN BY		DRAWN FOR		DATE		SCALE		D		7101-107		REV.	
						APPROVED BY: X. Liu		xl66		xl66		6/27/2013						SH. NO. 7 OF 13			

REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.

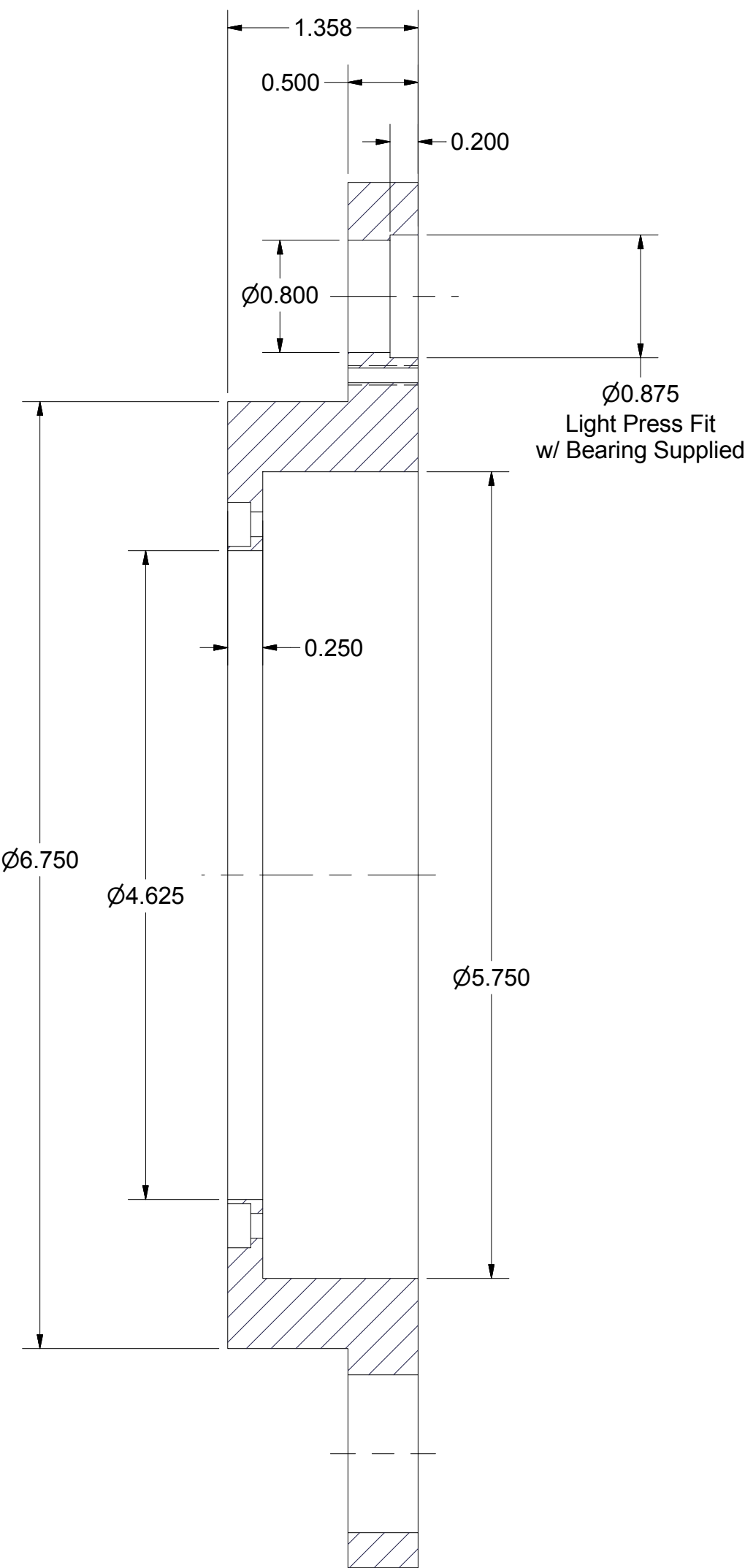
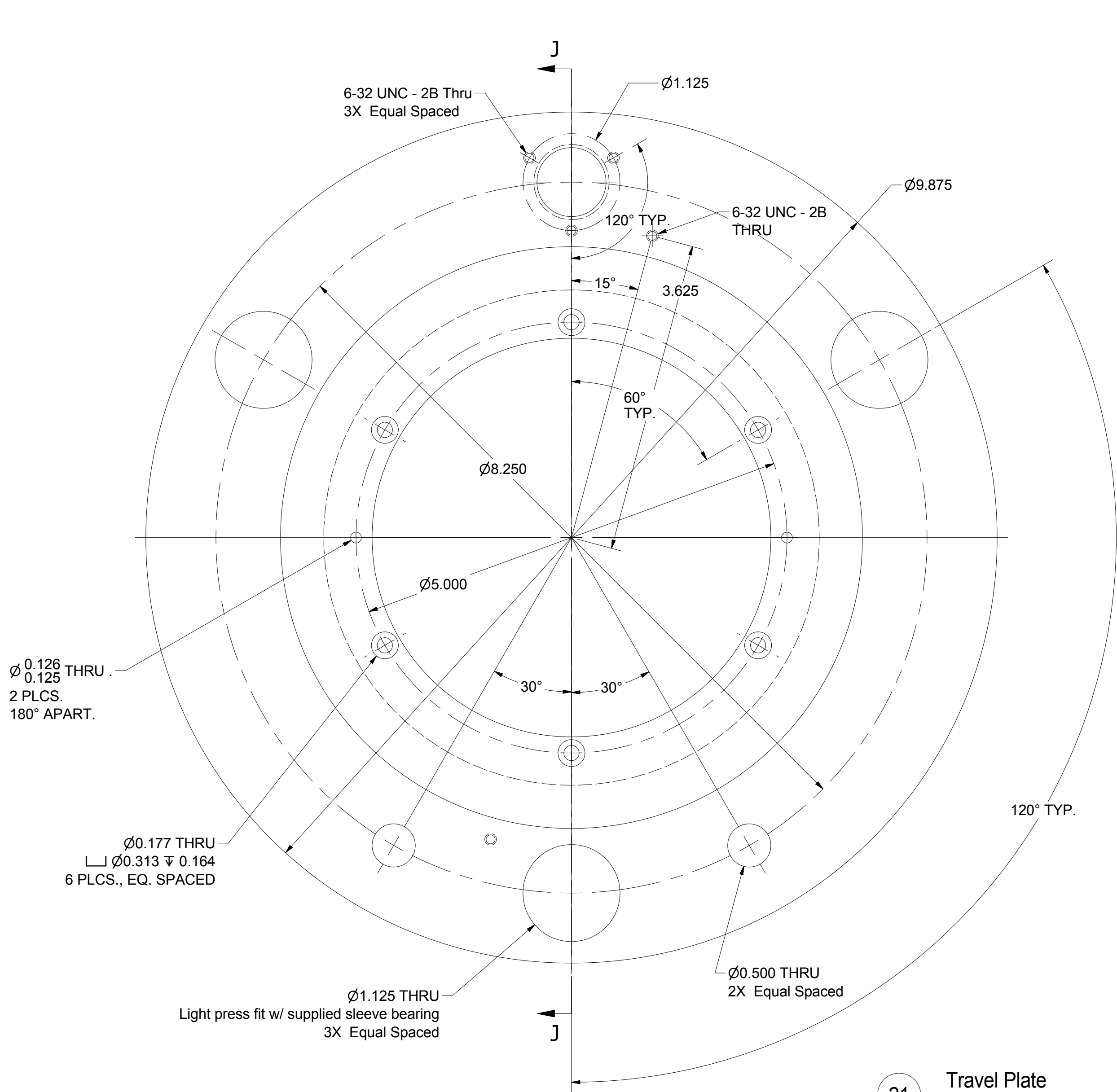


SECTION H-H  
SCALE 1 : 1

20 Base Plate  
FILE NAME: 7101-107  
SHEET NO.: 8  
DFT. SCALE: 1 : 1  
MATERIAL: Aluminum 6061 T6  
QTY: 1  
NOTES: SEE NOTE ON SHEET 2  
FOR CONCENTRIC REQUIREMENT

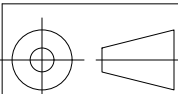

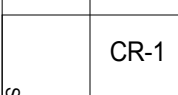




 		ITEM		DWG. NO.		DESCRIPTION			G1		G2		G3		REMARKS		REV.	
									QUANTITY									
<b>D</b>		PRINT DISTR.		PLOT DATE: 8/21/2013 CAD FILE NAME: 7101-107.idw														
7101-107 SH. NO. 8 OF 13		CR-1		UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES:  TOLERANCES ON: .0 ± .02 .00 ± .010 .000 ± .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											
				ERL New Gun Movable Anode														
REV.		CHECKED BY: X. Liu  APPROVED BY: X. Liu		DRAWN BY xl66		DRAWN FOR xl66		DATE 6/27/2013		SCALE		<b>D</b>		7101-107 SH. NO. 8 OF 13		REV.		

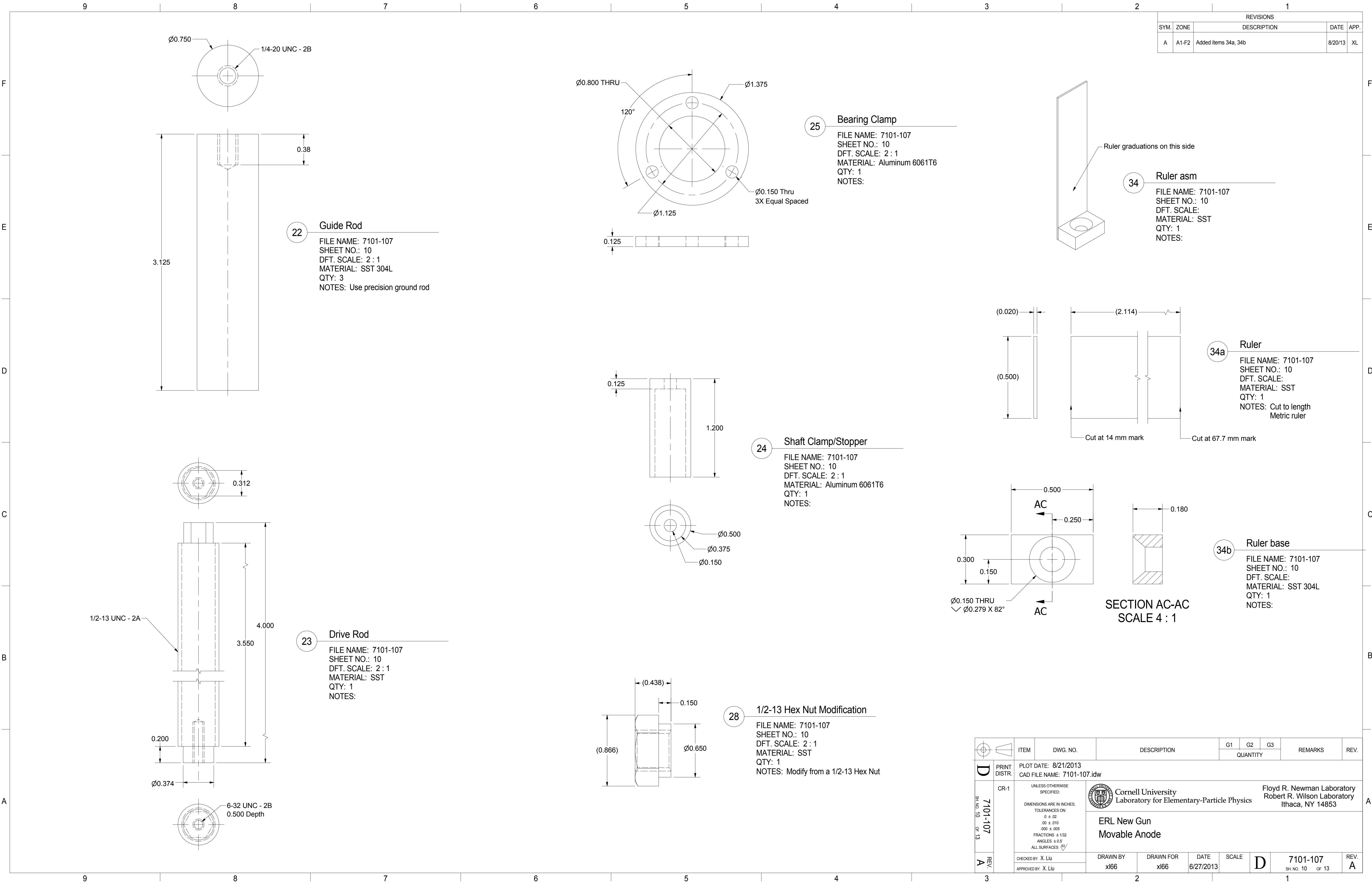
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A	E7	Added tapped hole	8/20/13	XL



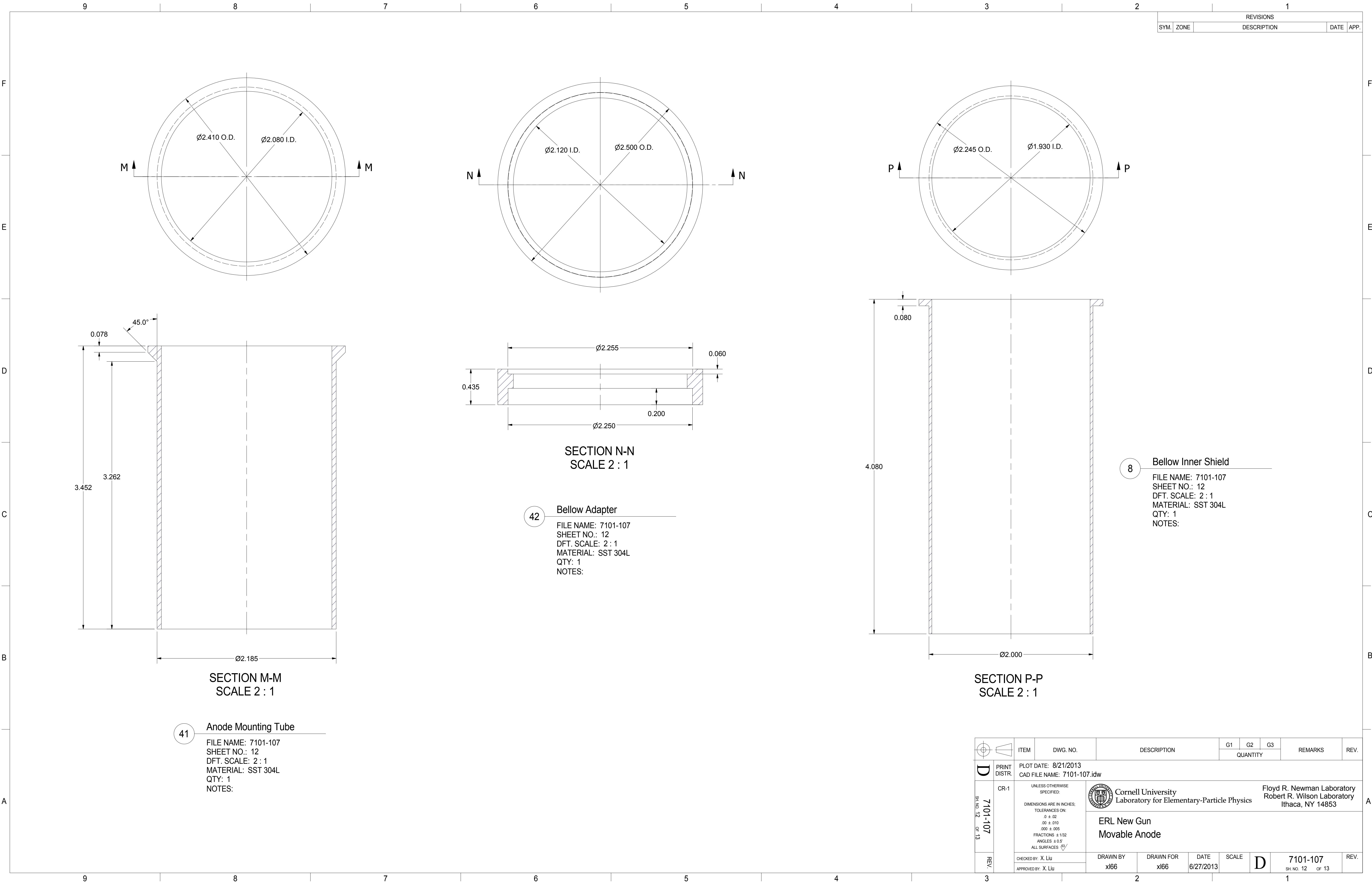
SECTION J-J  
SCALE 1 : 1

21 Travel Plate  
FILE NAME: 7101-107  
SHEET NO.: 9  
DFT. SCALE: 1 : 1  
MATERIAL: Aluminum 6060T6  
QTY: 1  
NOTES: SEE NOTE ON SHEET 2  
FOR CONCENTRIC REQUIREMENT

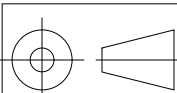
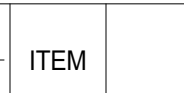


		ITEM		DWG. NO.		DESCRIPTION			G1		G2		G3		REMARKS		REV.				
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 7101-107 SH. NO. 9 OF 13		CR-1		UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES:  TOLERANCES ON: .0 ± .02 .00 ± .010 .000 ± .005  FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES 		 Cornell University Laboratory for Elementary-Particle Physics										Floyd R. Newman Laboratory Robert R. Wilson Laboratory Ithaca, NY 14853					
						ERL New Gun Movable Anode															
 REV. A		CHECKED BY: X. Liu  APPROVED BY: X. Liu		DRAWN BY		DRAWN FOR		DATE		SCALE				7101-107 SH. NO. 9 OF 13		REV. A					
				xl66		xl66		6/27/2013													

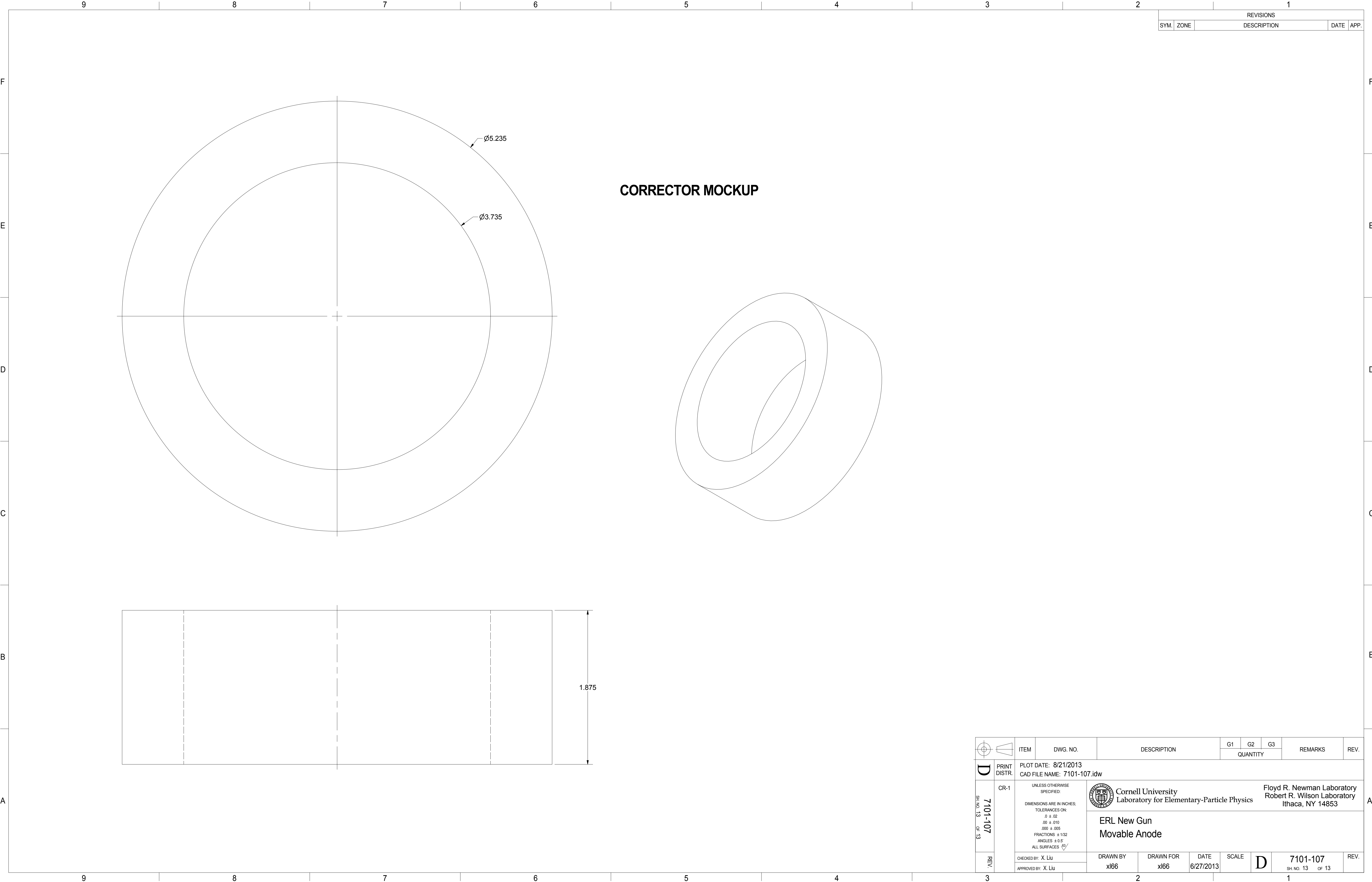









REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE   APP.

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7101-107 SH. NO. 12 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					
					ERL New Gun Movable Anode																	
REV.				CHECKED BY: X. Liu			DRAWN BY			DRAWN FOR			DATE		SCALE		D		7101-107		REV.	
					APPROVED BY: X. Liu			xl66			xl66			6/27/2013				SH. NO. 12 OF 13				



REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE   APP.

		ITEM		DWG. NO.		DESCRIPTION				G1		G2		G3		REMARKS		REV.			
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7101-107 SH. NO. 13 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					
						ERL New Gun Movable Anode															
REV.				CHECKED BY: X. Liu  APPROVED BY: X. Liu		DRAWN BY		DRAWN FOR		DATE		SCALE		<b>D</b>		7101-107 SH. NO. 13 OF 13		REV.			
						xl66		xl66		6/27/2013											