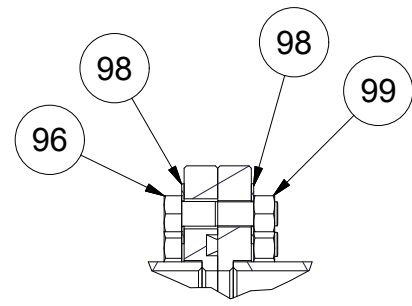
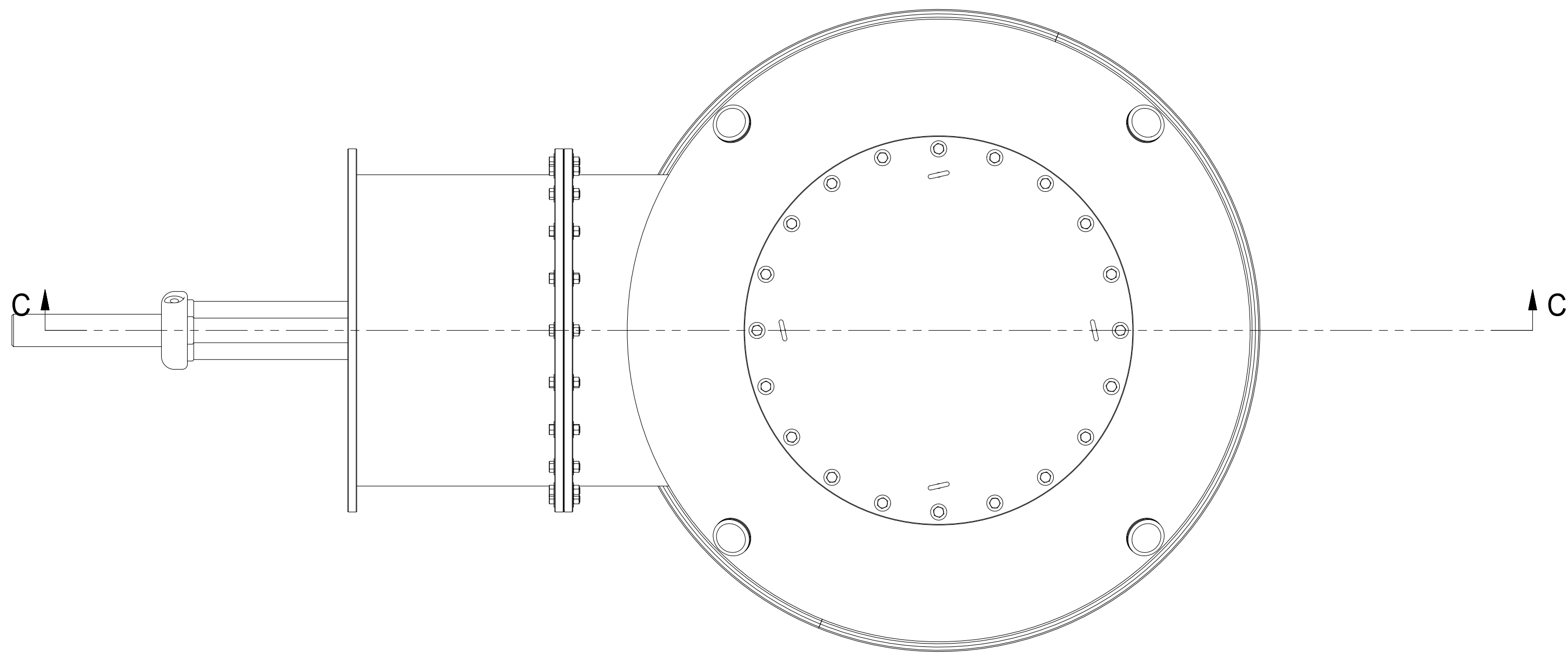
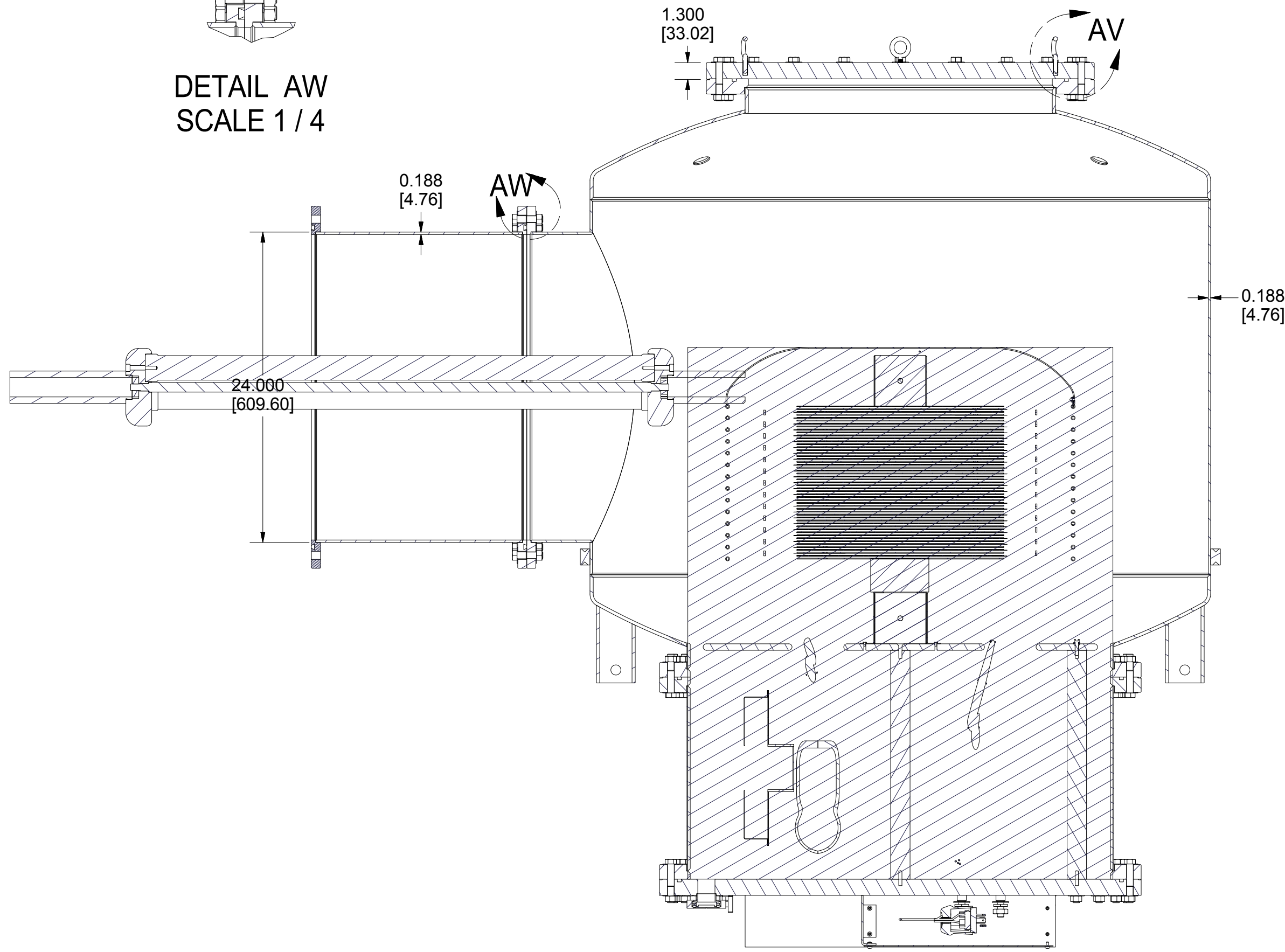


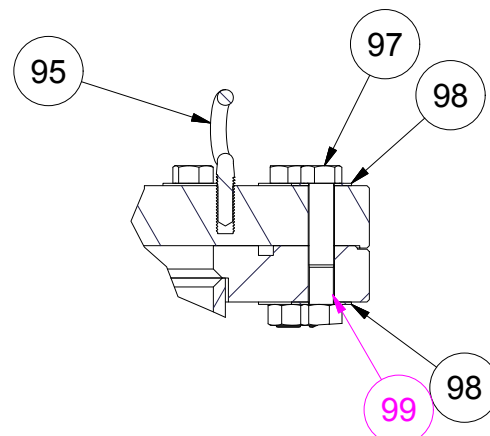
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.



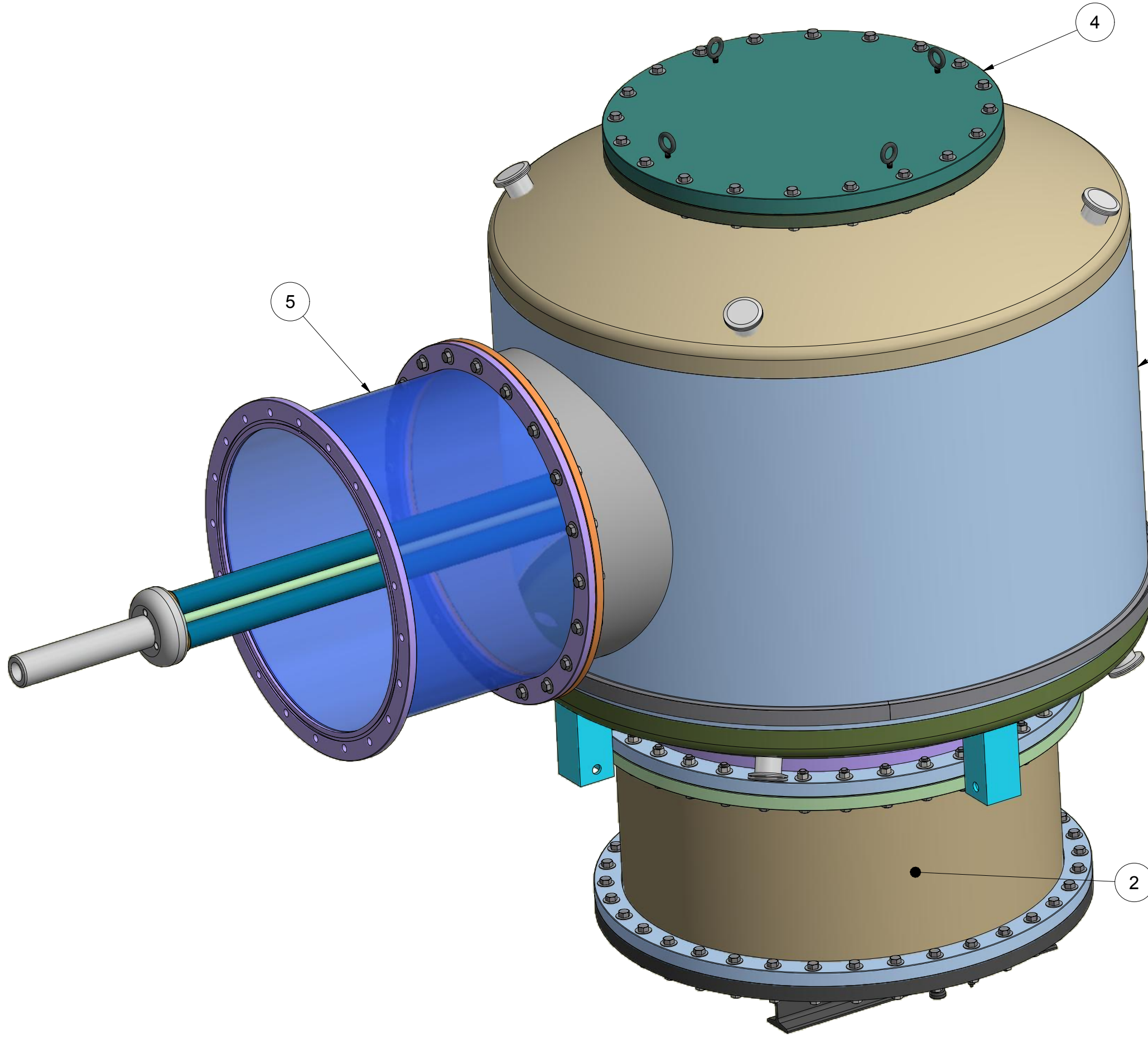
DETAIL AW
SCALE 1 / 4



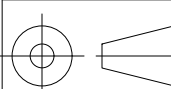


SECTION C-C
SCALE 1 / 8



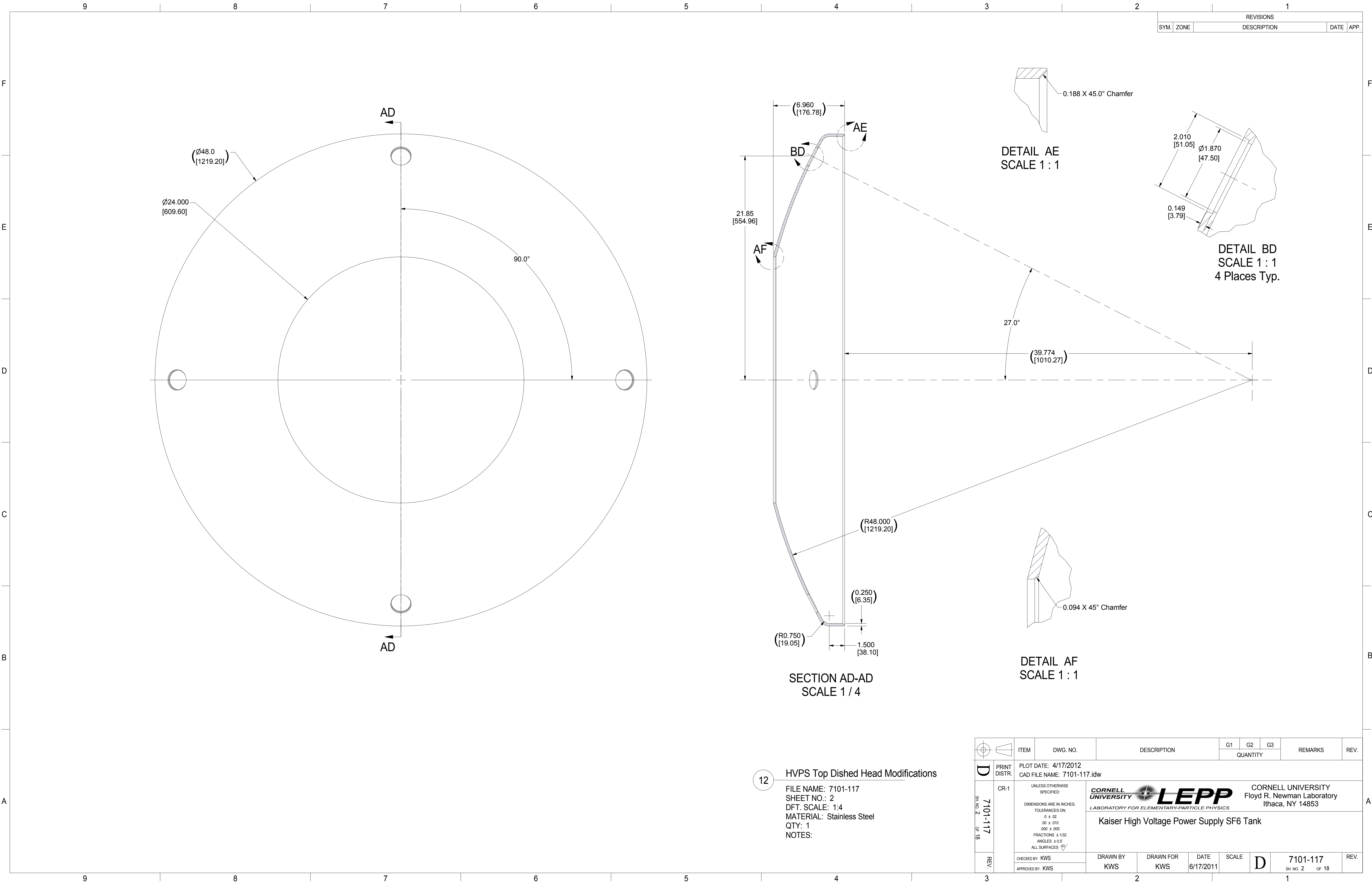
DETAIL AV
SCALE 1 / 4

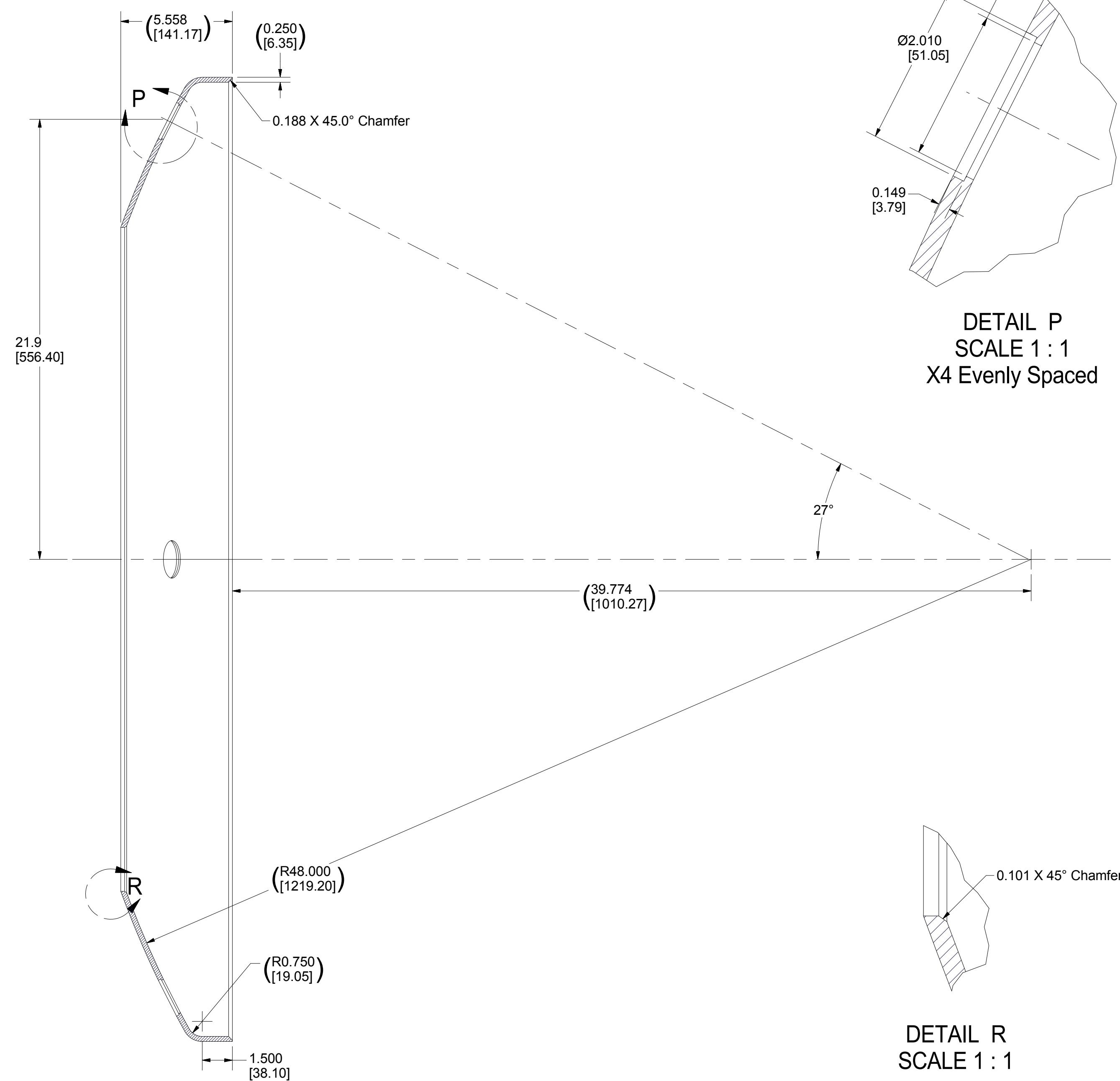
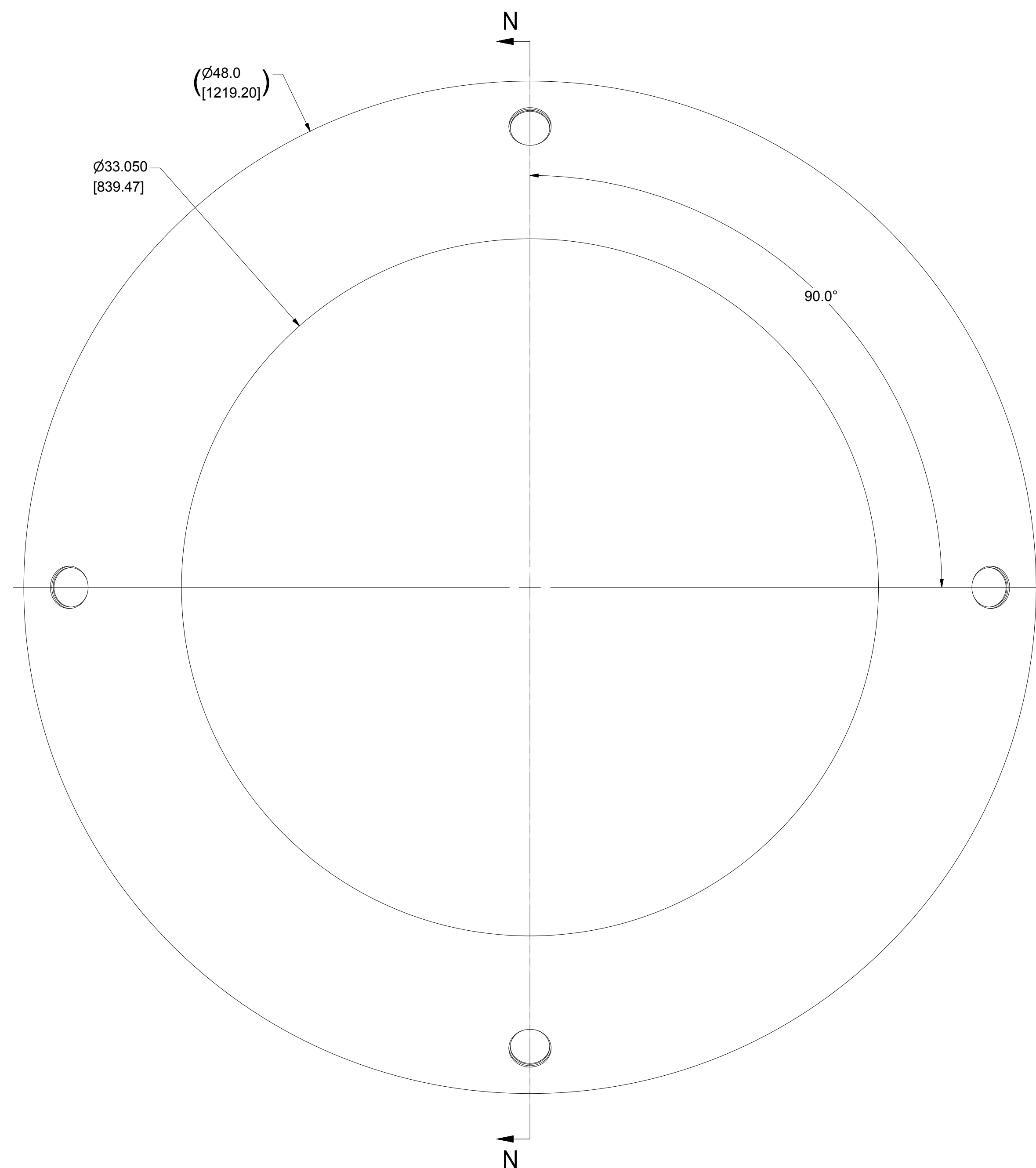


18	7101-133 backup		1			
99	Purchased	Hex Nuts - 1/2-20	112			McMaster Carr
98	Purchased	Washer 1/2"	224			McMaster Carr
97	Purchased	Hex Bolt - 1/2-20 x 3"	92			
96	Purchased	Hex Bolt - 1/2-20 x 2"	20			
95	Purchased	3/8-16 Eye Bolt #33045T79	4			McMaster Carr
94	Purchased	NW-50 Centering Ring, Viton, St.Steel	8			MDC's #710003
93	Purchased	KF-50 Blank Flange	8			MDC's #712003
6	7101-108	Triple Nicrom Resistor no legs	1			
5	7101-117 Sh. 15	Connection Assy	1			
4	7101-117 Sh. 18	HVPS SF6 Top Blank	1			
3	7101-117 Sh. 5	HVPS SF6 Tank Main Body	1			
2	7101-117 Sh. 8	HVPS Spacer Ring	1			

	ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS	REV.	
	QUANTITY										
PRINT DISTR.	PLOT DATE: 4/17/2012 CAD FILE NAME: 7101-117.idw										
D 7101-117 SH. NO. 1 OF 18	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 		<div><div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div></div> <div>Kaiser High Voltage Power Supply SF6 Tank</div>							
	CHECKED BY: KWS	DRAWN BY KWS		DRAWN FOR KWS		DATE 6/17/2011		SCALE	D	7101-117	REV.
	REV.	APPROVED BY: KWS		SH. NO. 1 OF 18							

Kaiser High Voltage Power Supply SF6 Tank








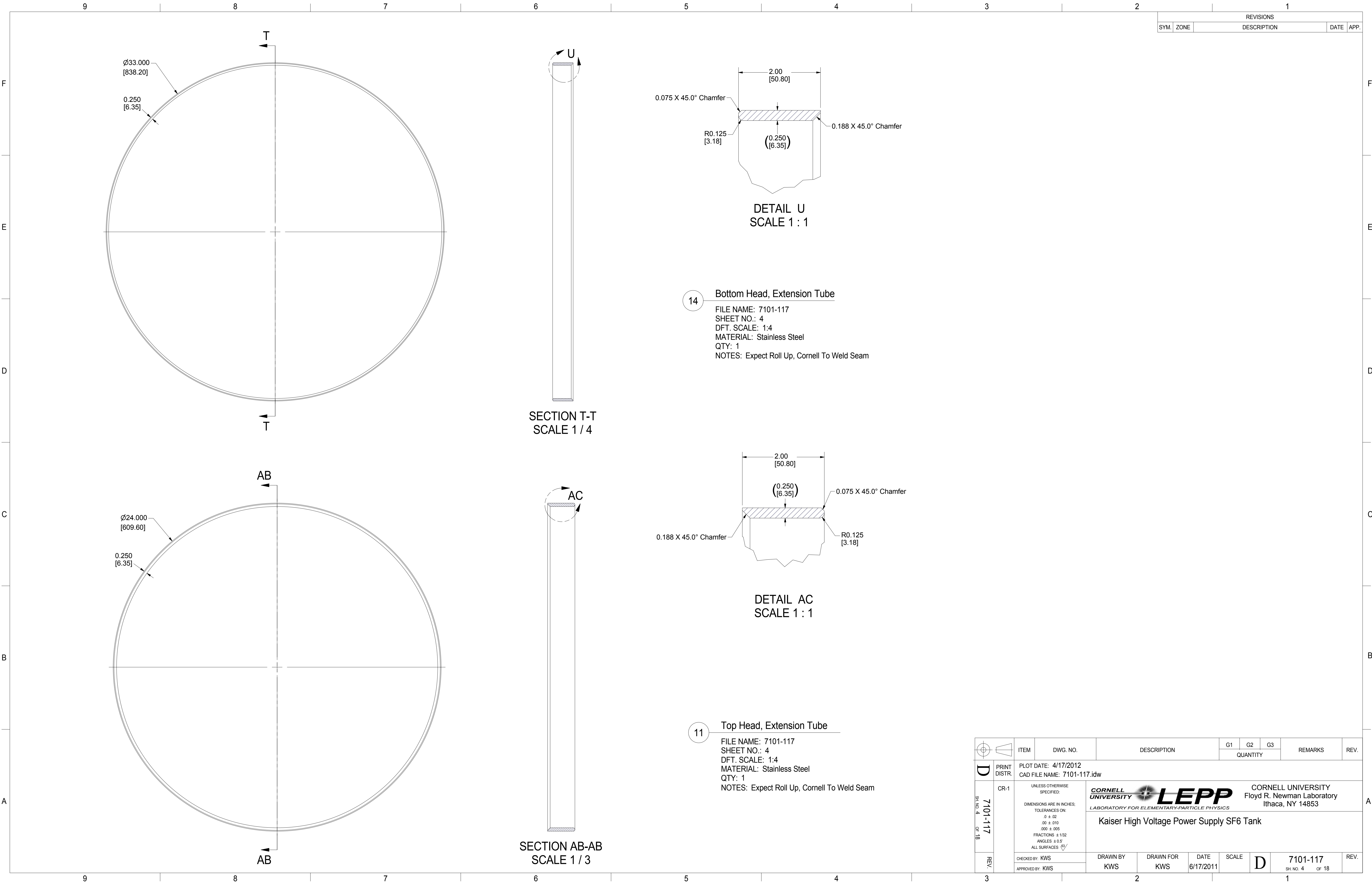
SECTION N-N
SCALE 1 / 4

13





HVPS SF6 Tank Lower Dished Head

FILE NAME: 7101-117
SHEET NO.: 3
DFT. SCALE: 1:4
MATERIAL: Stainless Steel
QTY: 1
NOTES: Modify Existing Dished Head

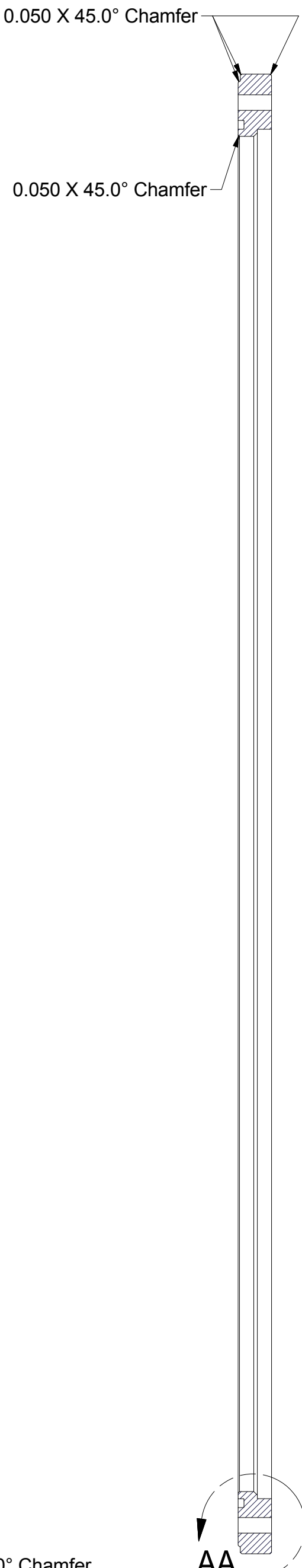
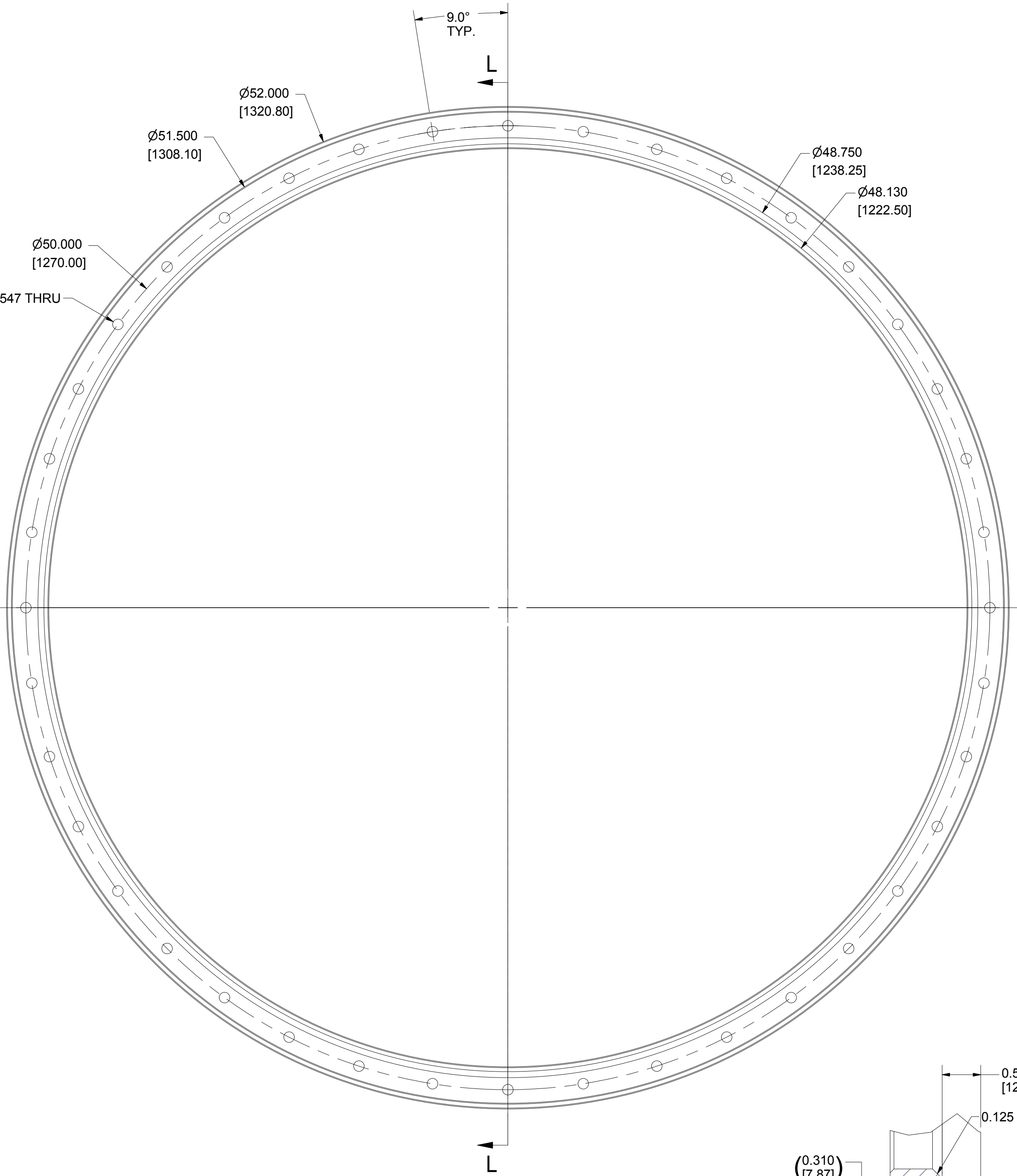
 	ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS	REV.
				QUANTITY						
D SH. NO. 3 OF 18	PRINT DISTR.	PLOT DATE: 4/17/2012 CAD FILE NAME: 7101-117.idw								
	CR-1	<div>UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES; TOLERANCES ON: 0 ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES $\sqrt{63}$</div>			<div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div>					
7101-117 SH. NO. 3 OF 18	Kaiser High Voltage Power Supply SF6 Tank									
	REV.	<div>CHECKED BY: KWS APPROVED BY: KWS</div>	DRAWN BY KWS	DRAWN FOR KWS	DATE 6/17/2011	SCALE	D	7101-117 SH. NO. 3 OF 18	REV.	
3			2						1	



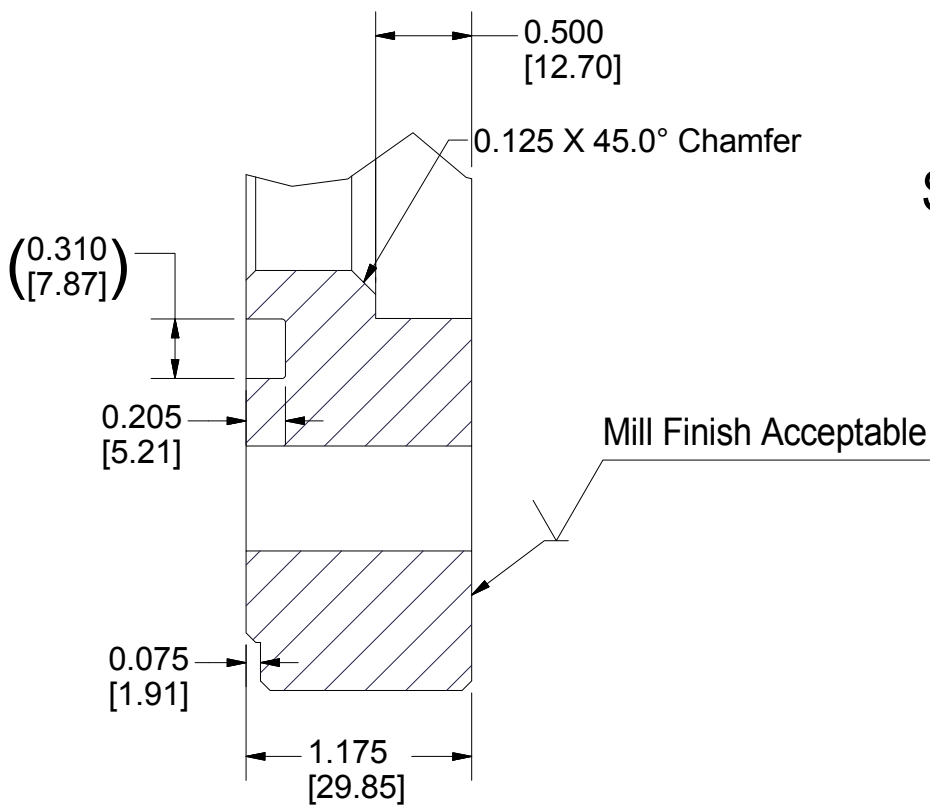
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.

 		ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.	
					QUANTITY					
D	PRINT DISTR.	PLOT DATE: 4/17/2012 CAD FILE NAME: 7101-117.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 		<div>CORNELL UNIVERSITY  CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div> <div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div> <div>Kaiser High Voltage Power Supply SF6 Tank</div>						
	7101-117 SH. NO. 4 OF 18									
	REV.	CHECKED BY: KWS APPROVED BY: KWS	DRAWN BY KWS	DRAWN FOR KWS	DATE 6/17/2011	SCALE	D	7101-117 SH. NO. 4 OF 18	REV.	

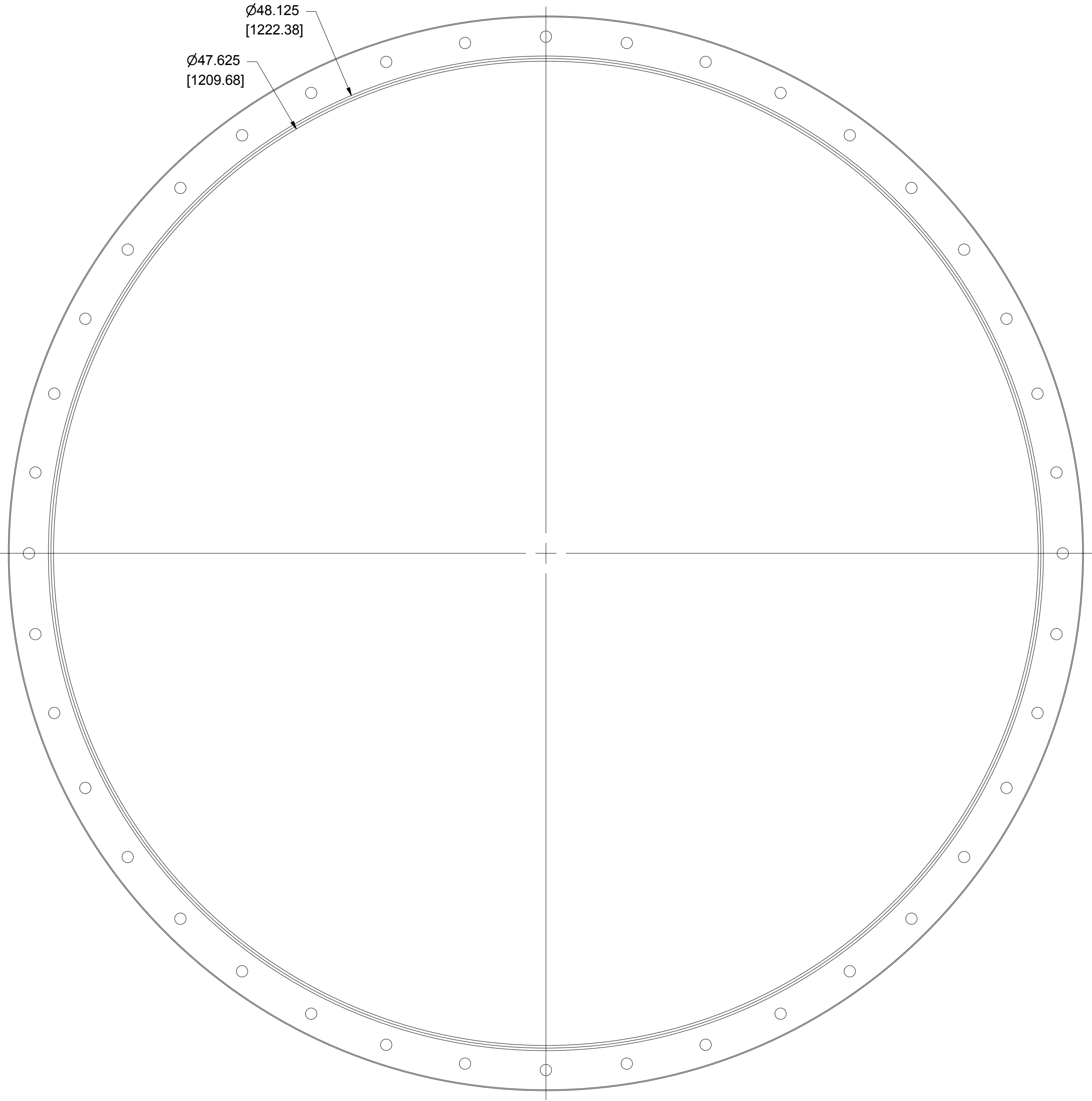
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.






SECTION L-L
SCALE 1 / 4

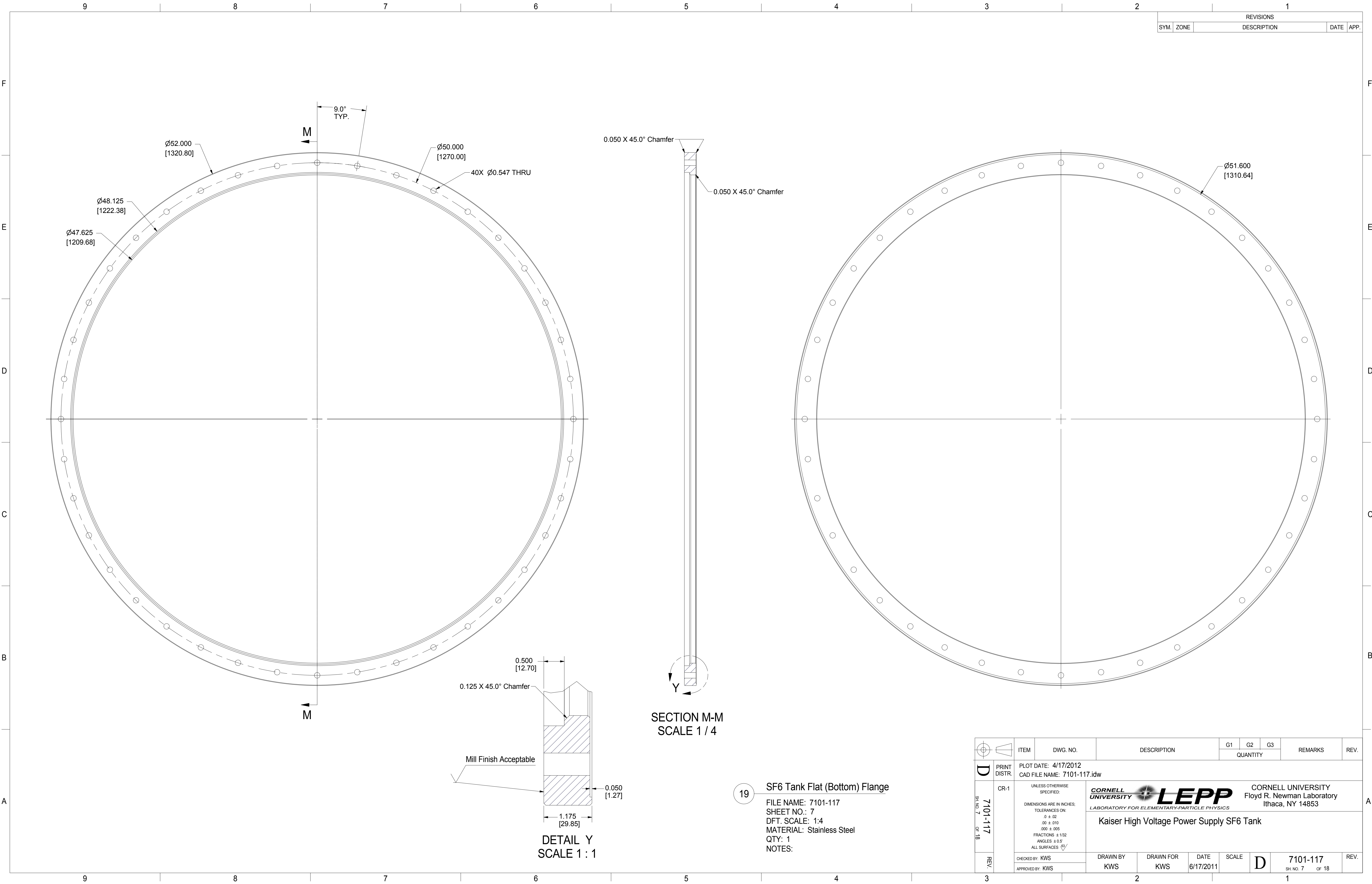


DETAIL AA
SCALE 1 : 1







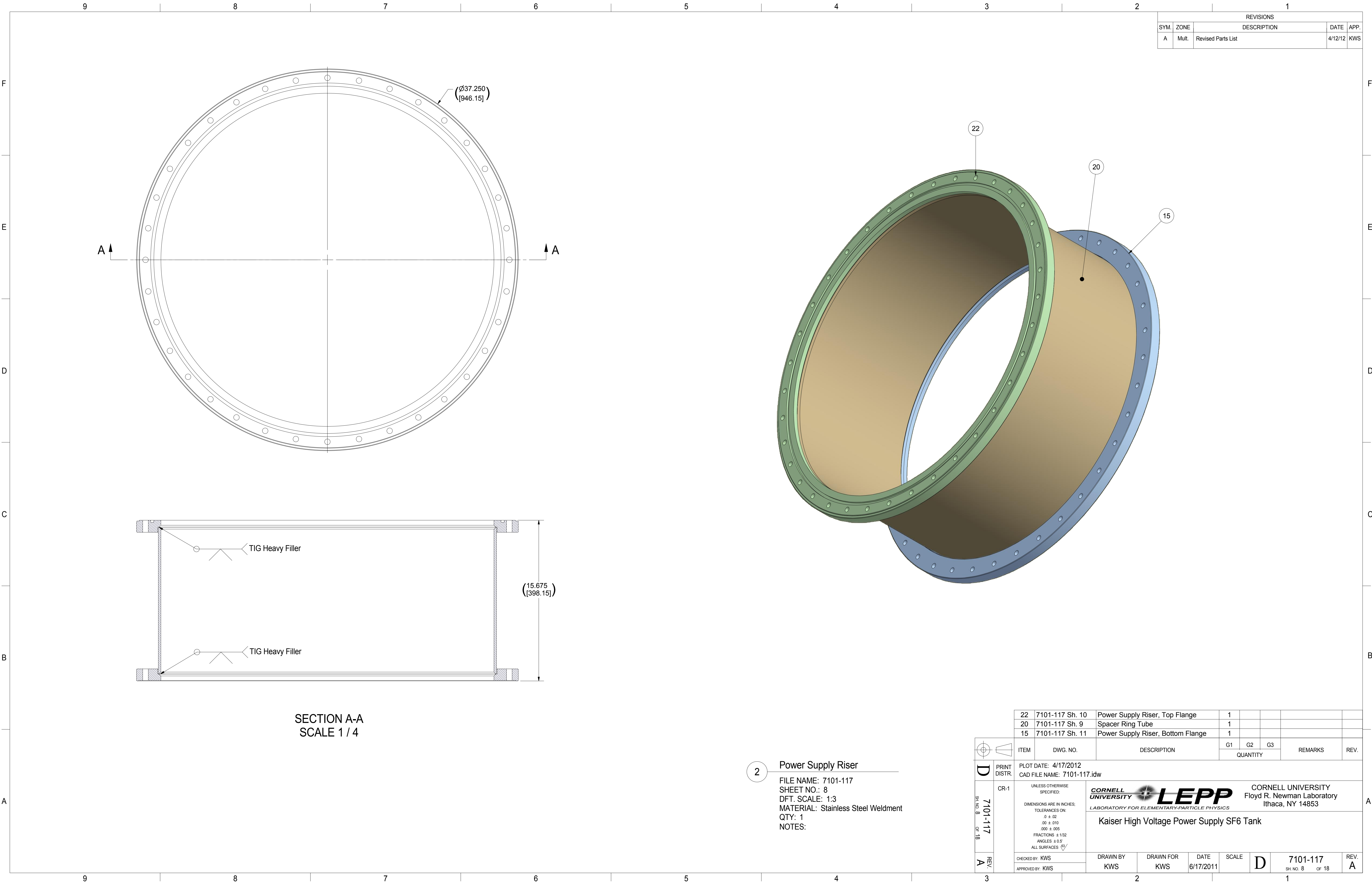
18 SF6 Tank Oring (Top) Flange
FILE NAME: 7101-117
SHEET NO.: 6
DFT. SCALE: 1:4
MATERIAL: Stainless Steel
QTY: 1
NOTES:

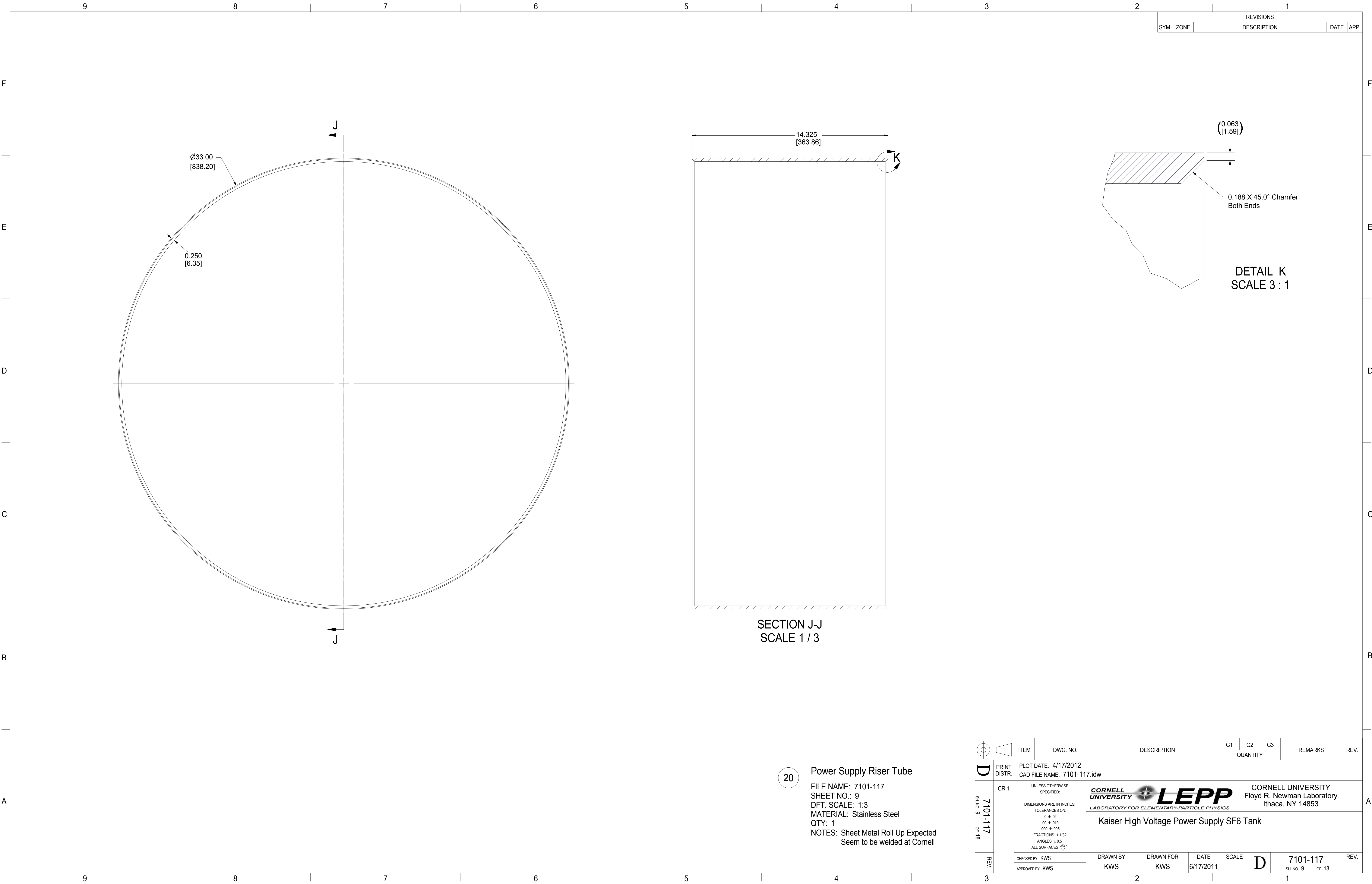
		ITEM		DWG. NO.		DESCRIPTION		G1		G2		G3		REMARKS		REV.	
								QUANTITY									
D		PRINT DISTR.		PLOT DATE: 4/17/2012 CAD FILE NAME: 7101-117.idw													
7101-117 SH. NO. 6 OF 18		CR-1		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES: TOLERANCES ON: .0 ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES 		<div>CORNELL UNIVERSITY  LEPP</div> <div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div> <div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div>										Kaiser High Voltage Power Supply SF6 Tank	
REV.		CHECKED BY: KWS		DRAWN BY KWS		DRAWN FOR KWS		DATE 6/17/2011		SCALE		D		7101-117 SH. NO. 6 OF 18		REV.	
		APPROVED BY: KWS															



REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.

 		ITEM		DWG. NO.		DESCRIPTION			G1		G2		G3		REMARKS		REV.	
									QUANTITY									
D		PRINT DISTR.		PLOT DATE: 4/17/2012 CAD FILE NAME: 7101-117.idw														
SH. NO. 7 OF 18		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 			<div><div><div>CORNELL UNIVERSITY</div><div></div><div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div></div><div><div>CORNELL UNIVERSITY</div><div>Floyd R. Newman Laboratory</div><div>Ithaca, NY 14853</div></div></div>											
				Kaiser High Voltage Power Supply SF6 Tank														
		REV.		CHECKED BY: KWS APPROVED BY: KWS		DRAWN BY KWS		DRAWN FOR KWS		DATE 6/17/2011		SCALE		D		7101-117 SH. NO. 7 OF 18		REV.

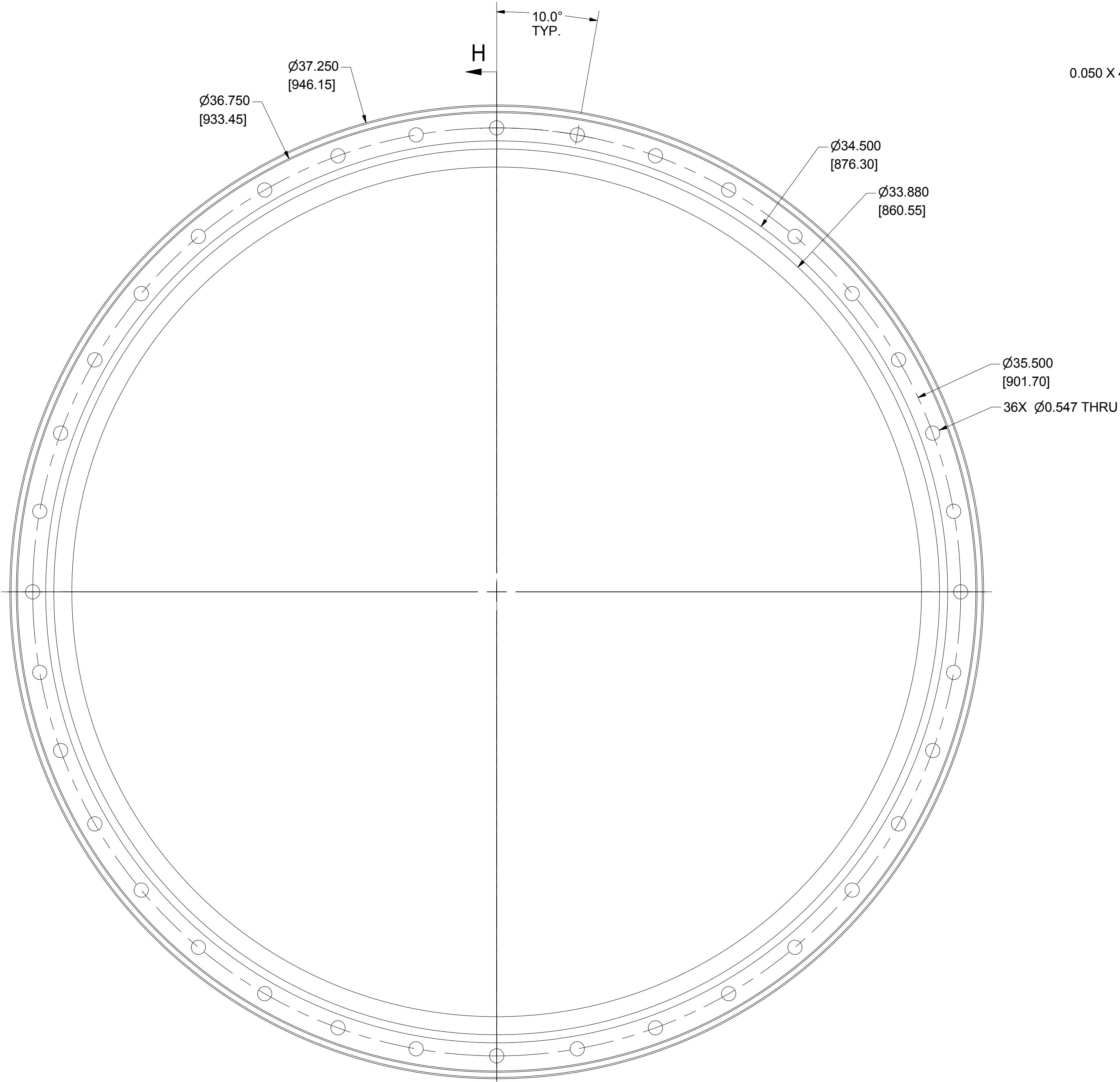




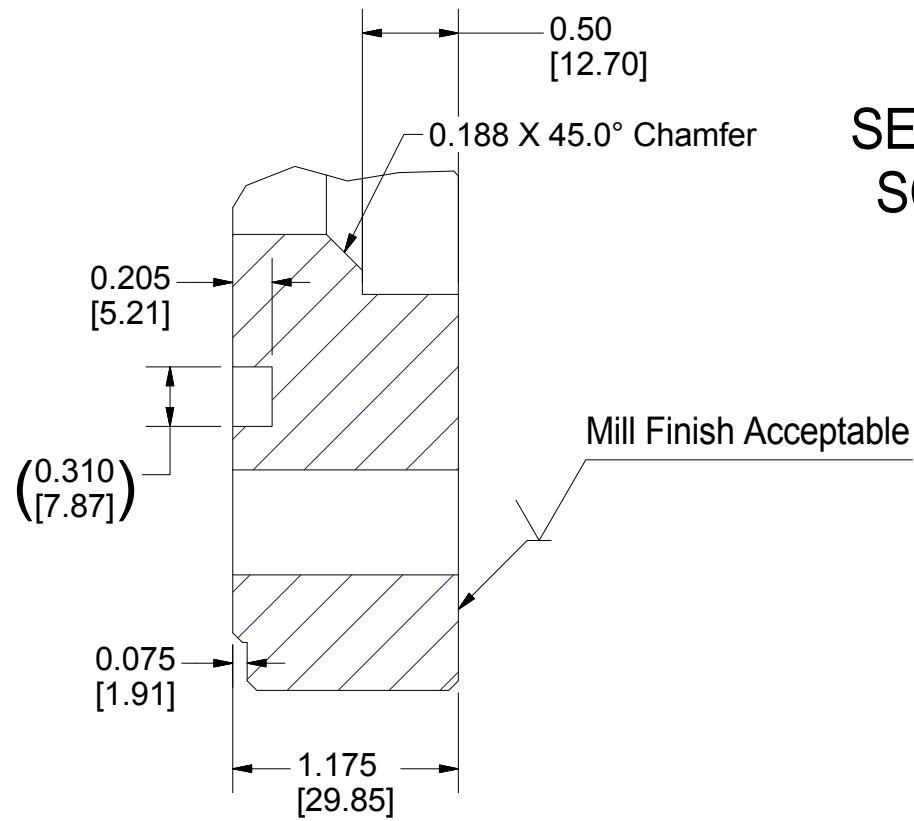
REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.

		ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS		REV.	
								QUANTITY					
D	PRINT DISTR.	PLOT DATE: 4/17/2012 CAD FILE NAME: 7101-117.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			<div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div> <div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div> <div>Kaiser High Voltage Power Supply SF6 Tank</div>								
7101-117 SH. NO. 9 OF 18	REV.	CHECKED BY: KWS		DRAWN BY KWS		DRAWN FOR KWS		DATE 6/17/2011		SCALE D		7101-117 SH. NO. 9 OF 18	REV.
	APPROVED BY: KWS												

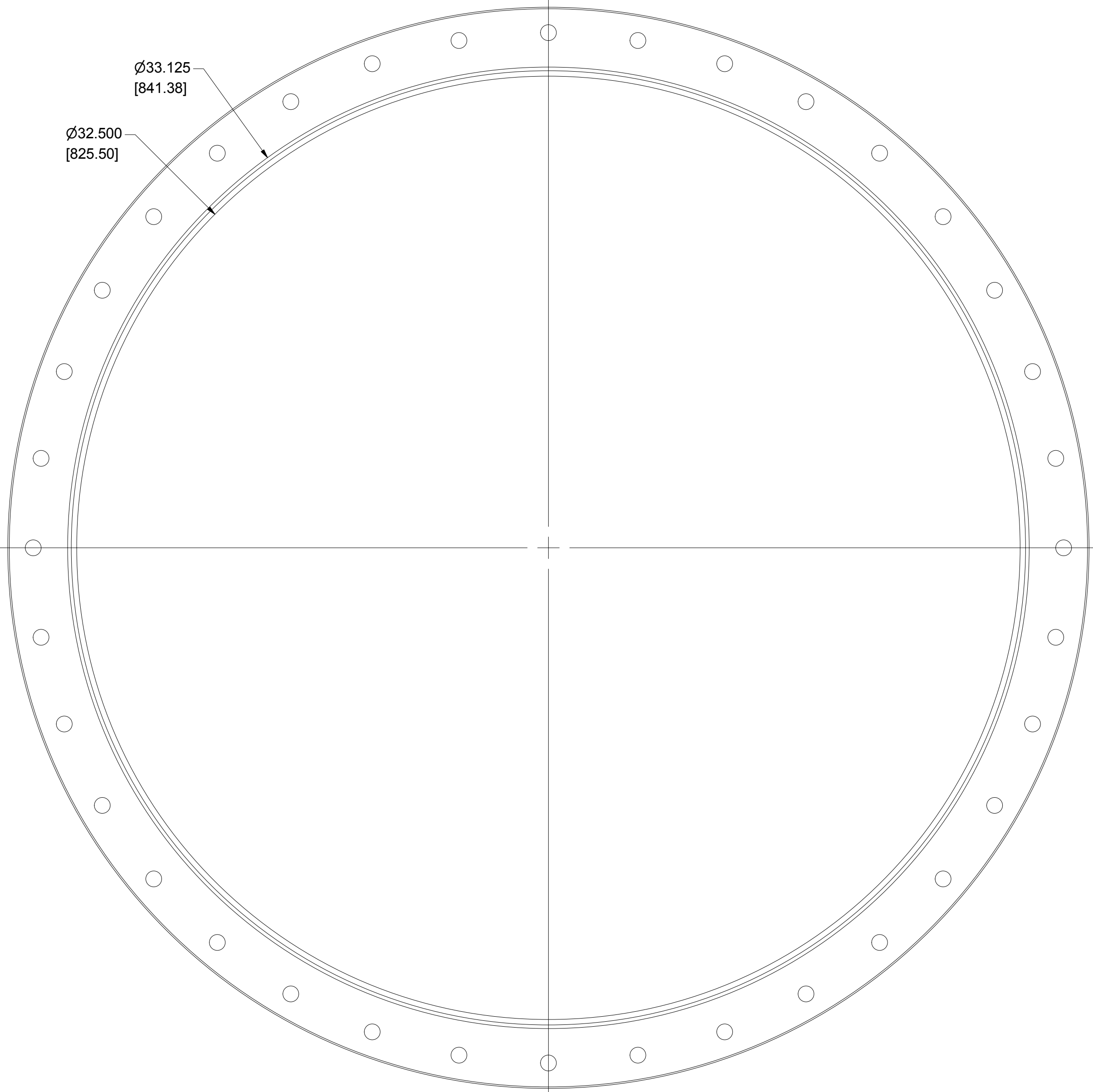
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A	E4	Added missing 32.50" Dim	4/12/12	KWS






SECTION H-H
SCALE 1 / 3

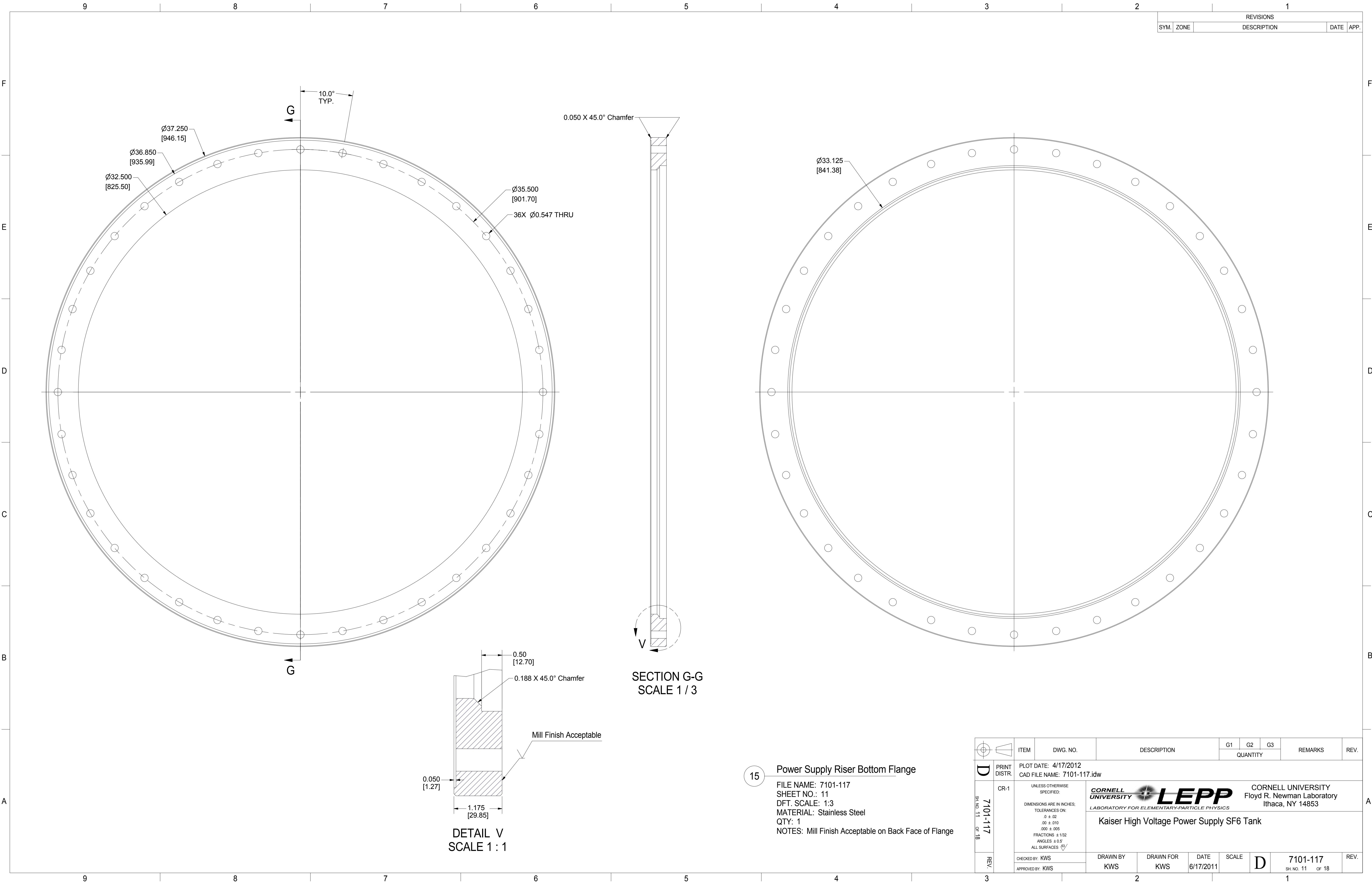


DETAIL W
SCALE 1 : 1



22 Power Supply Riser, Upper Flange
FILE NAME: 7101-117
SHEET NO.: 10
DFT. SCALE: 1:3
MATERIAL: Stainless Steel
QTY: 1
NOTES: Mill Finish Acceptable on Non-Oring Face of Flange

		ITEM		DWG. NO.		DESCRIPTION		G1		G2		G3		REMARKS		REV.			
								QUANTITY											
D		PRINT DISTR.		PLOT DATE: 4/17/2012 CAD FILE NAME: 7101-117.idw															
7101-117 SH. NO. 10 OF 18		CR-1		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES: TOLERANCES ON: .0 ± .02 .000 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES 		<div>CORNELL UNIVERSITY  CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div> <div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div> <div>Kaiser High Voltage Power Supply SF6 Tank</div>													
						CHECKED BY: KWS		DRAWN BY: KWS		DRAWN FOR: KWS		DATE: 6/17/2011		SCALE: D		7101-117		REV. A	
						APPROVED BY: KWS										SH. NO. 10 OF 18			

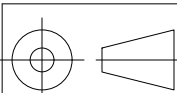




REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.

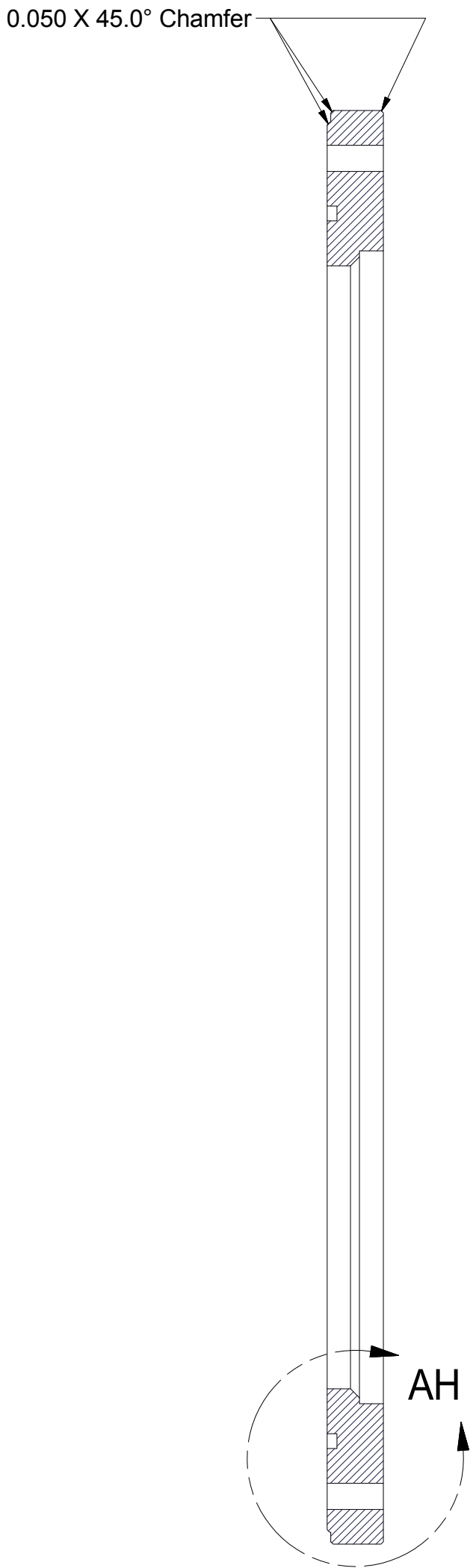
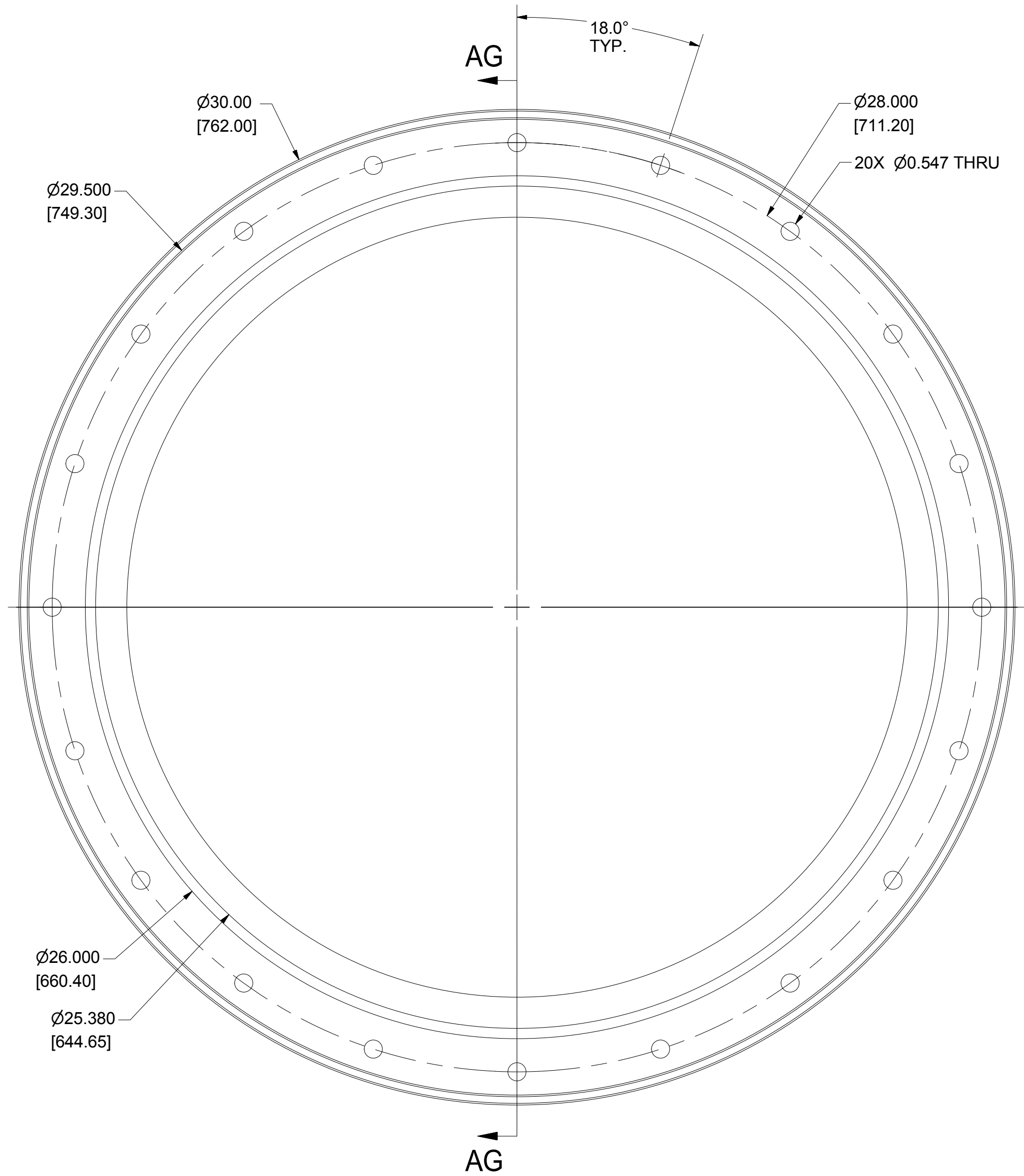
SECTION G-G
SCALE 1 / 3

DETAIL V
SCALE 1 : 1

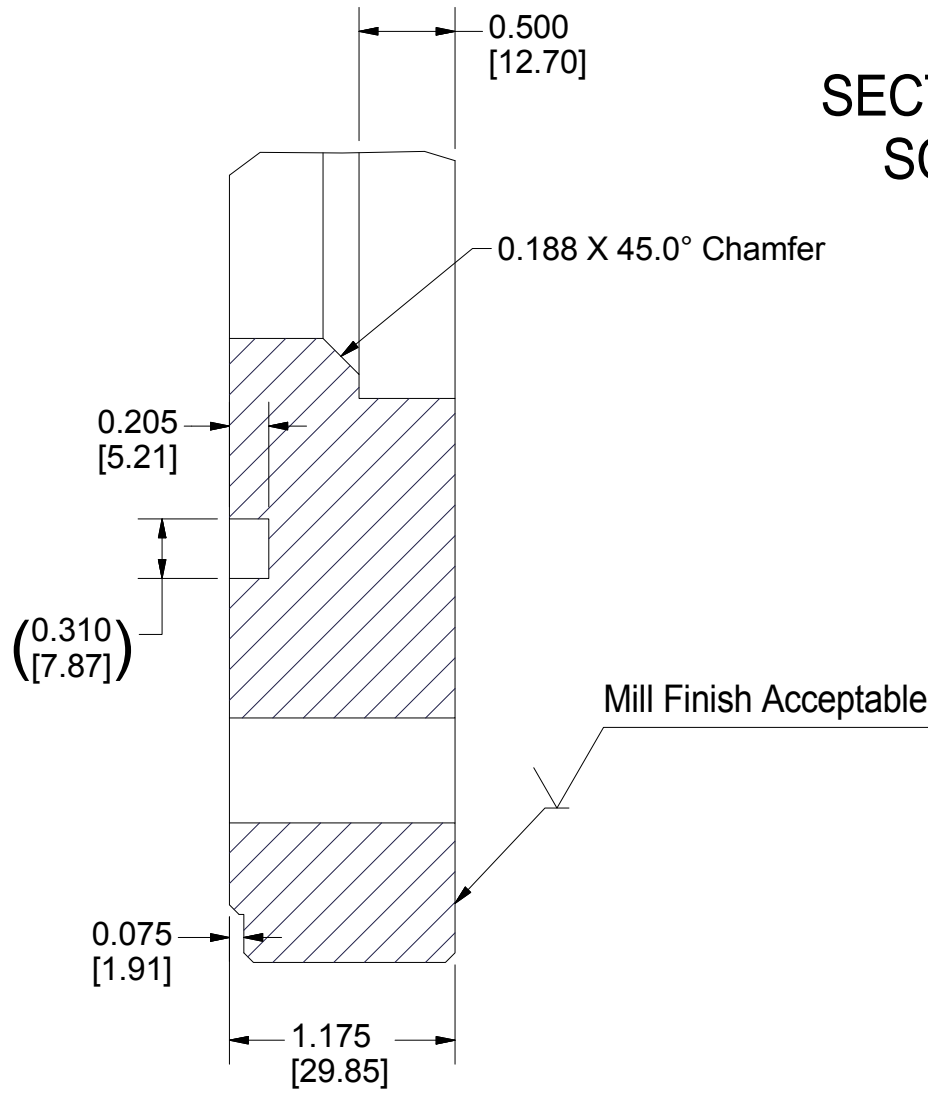
15 Power Supply Riser Bottom Flange
FILE NAME: 7101-117
SHEET NO.: 11
DFT. SCALE: 1:3
MATERIAL: Stainless Steel
QTY: 1
NOTES: Mill Finish Acceptable on Back Face of Flange

		ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS	REV.		
						QUANTITY							
D	PRINT DISTR.	PLOT DATE: 4/17/2012 CAD FILE NAME: 7101-117.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>				<div><div><div>CORNELL UNIVERSITY</div><div></div><div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div></div><div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div></div> <div>Kaiser High Voltage Power Supply SF6 Tank</div>							
SH. NO. 11 OF 18	7101-117												
	REV.	CHECKED BY: KWS		DRAWN BY KWS		DRAWN FOR KWS		DATE 6/17/2011		SCALE D	7101-117	REV.	
		APPROVED BY: KWS		SH. NO. 11 OF 18									

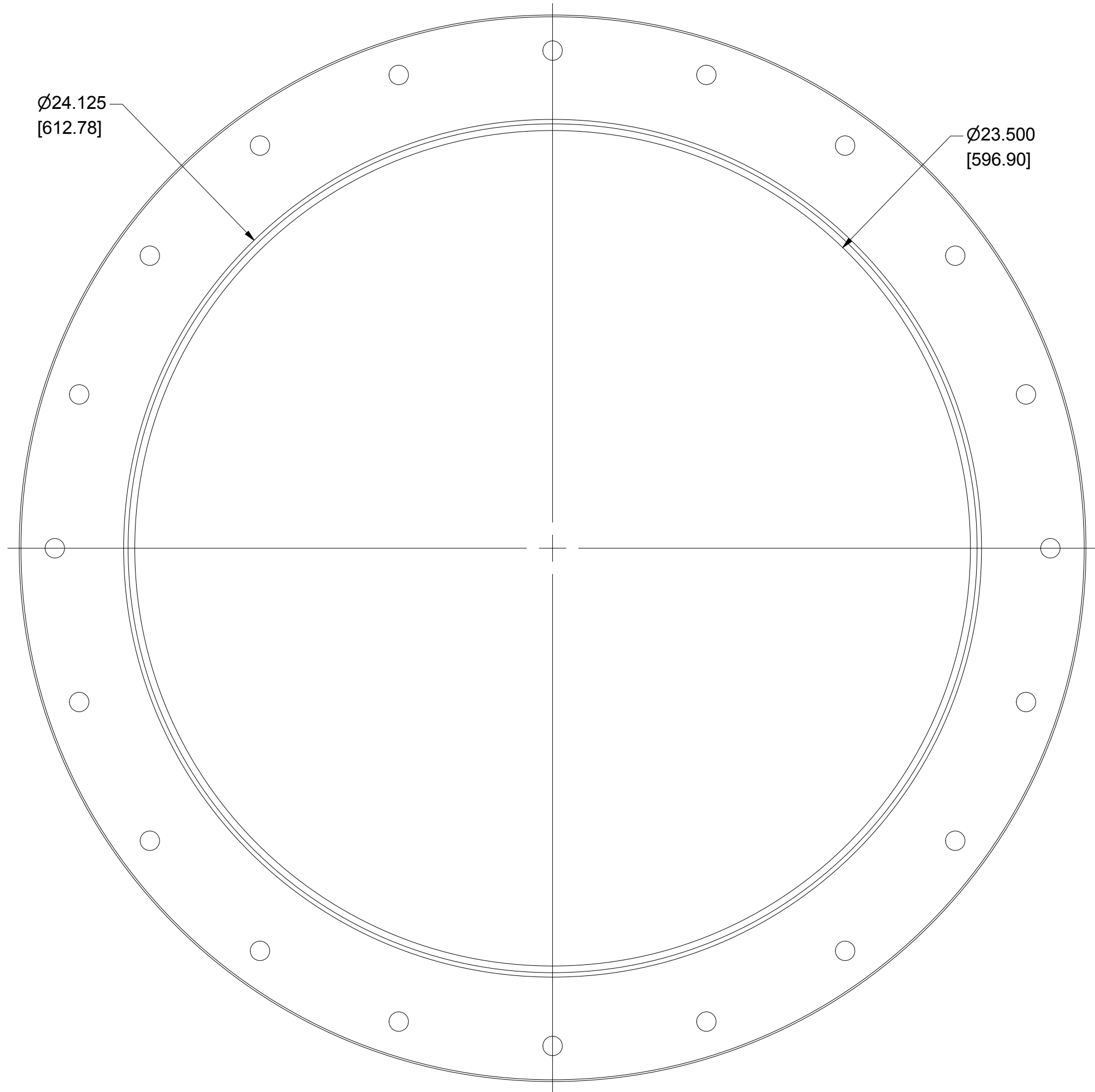
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A	E4	Missing 24.125" Dim	4/12/12	KWS



SECTION AG-AH
SCALE 1 / 3







DETAIL AH
SCALE 1 : 1

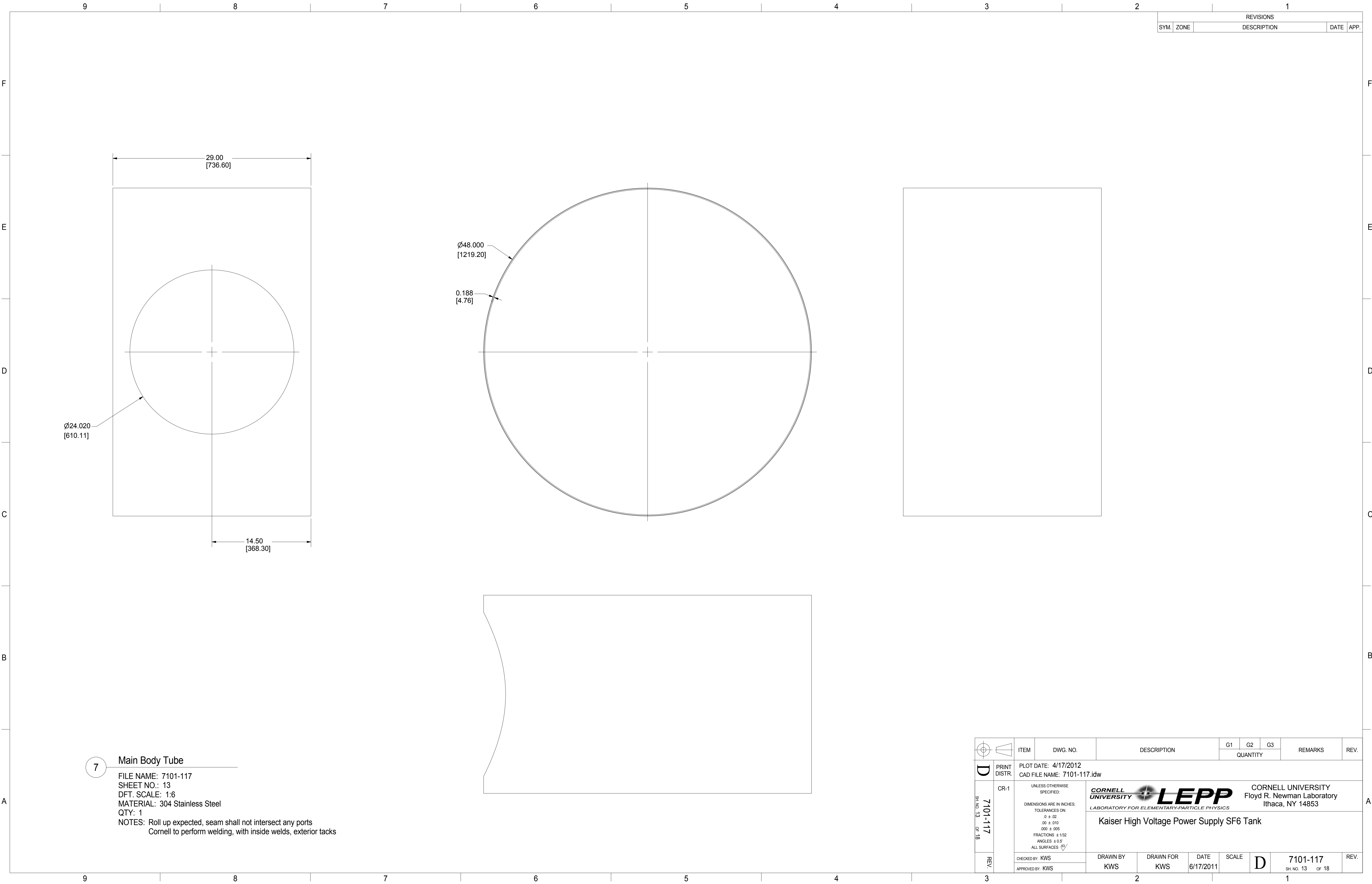


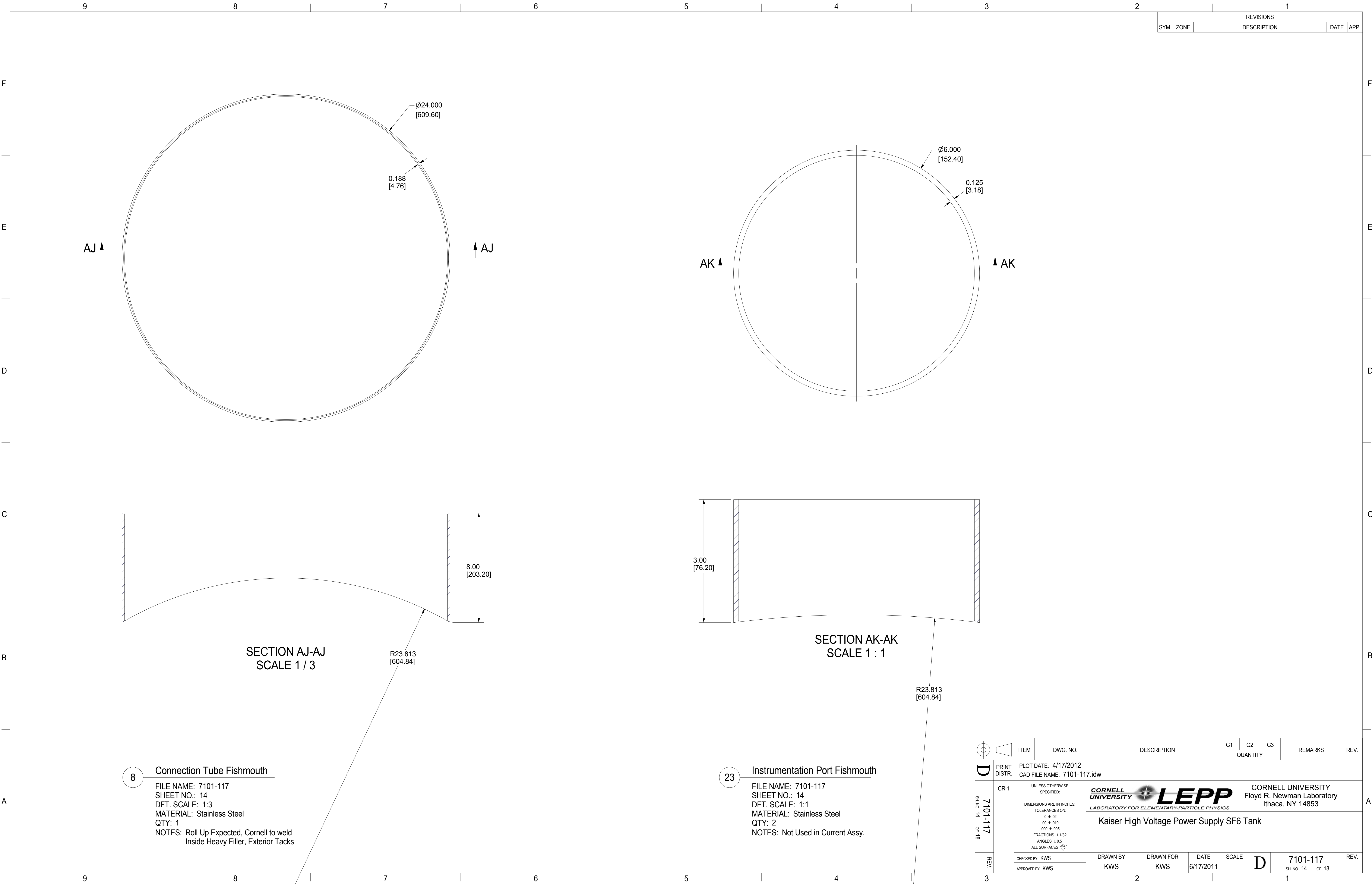
10

Top Head Upper Flange

FILE NAME: 7101-117
SHEET NO.: 12
DFT. SCALE: 1:3
MATERIAL: Stainless Steel
QTY: 1
NOTES: Mill Finish Acceptable on Back Side of Flange

		ITEM		DWG. NO.		DESCRIPTION		G1		G2		G3		REMARKS		REV.					
								QUANTITY													
		PRINT DISTR.		PLOT DATE: 4/17/2012 CAD FILE NAME: 7101-117.idw																	
D 7101-117 SH. NO. 12 OF 18		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 		<div>CORNELL UNIVERSITY  CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div> <div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div> <div>Kaiser High Voltage Power Supply SF6 Tank</div>										D					
						CHECKED BY: KWS		DRAWN BY: KWS		DRAWN FOR: KWS		DATE: 6/17/2011		SCALE:				7101-117		REV. A	
						APPROVED BY: KWS												SH. NO. 12 OF 18			





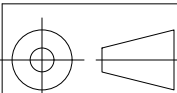


REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.

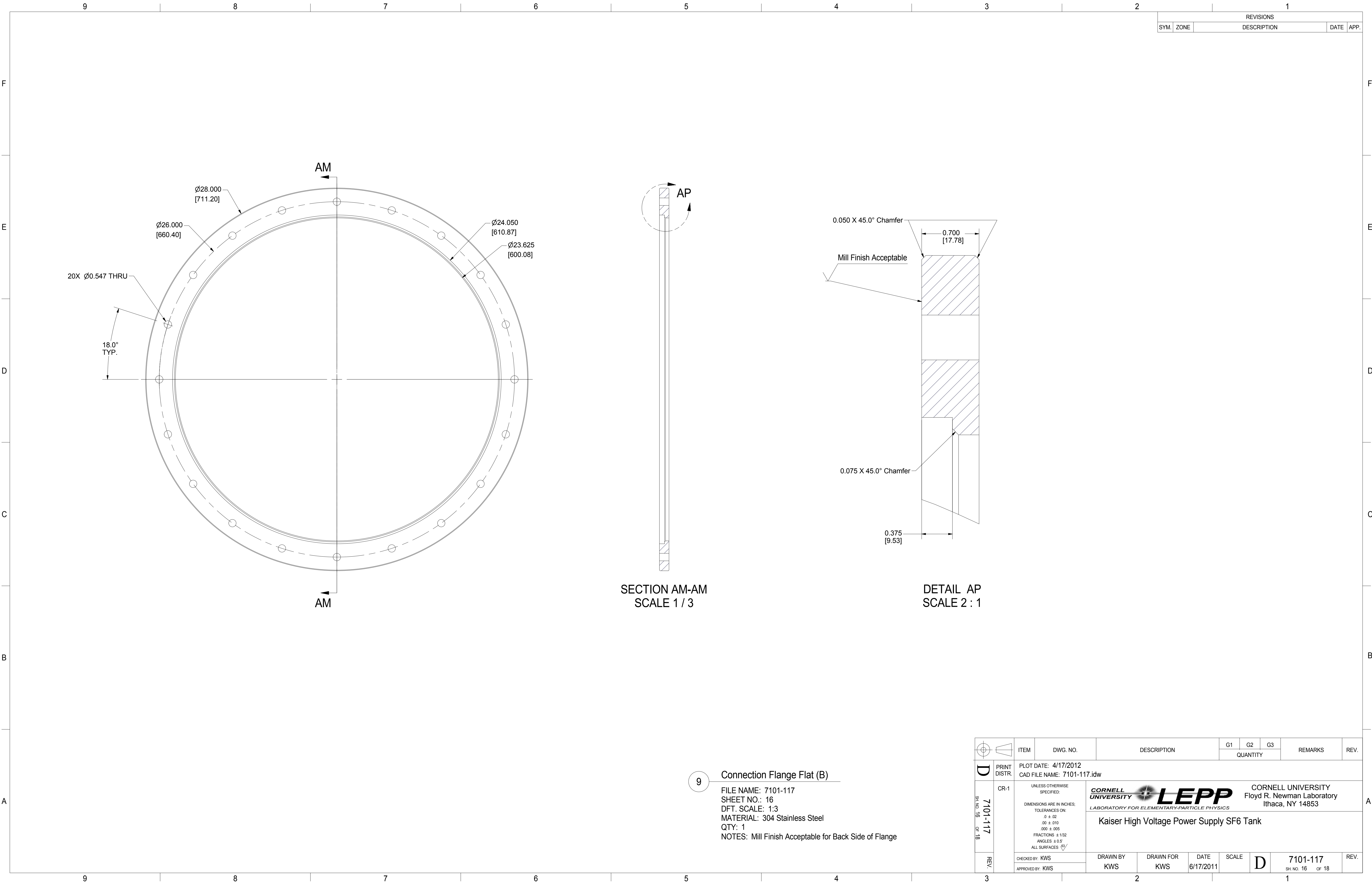
8 Connection Tube Fishmouth

FILE NAME: 7101-117
SHEET NO.: 14
DFT. SCALE: 1:3
MATERIAL: Stainless Steel
QTY: 1
NOTES: Roll Up Expected, Cornell to weld
Inside Heavy Filler, Exterior Tacks

23 Instrumentation Port Fishmouth

FILE NAME: 7101-117
SHEET NO.: 14
DFT. SCALE: 1:1
MATERIAL: Stainless Steel
QTY: 2
NOTES: Not Used in Current Assy.

		ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS		REV.
		QUANTITY										
D	PRINT DISTR.	PLOT DATE: 4/17/2012 CAD FILE NAME: 7101-117.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>			<div><div><div>CORNELL UNIVERSITY</div><div></div><div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div></div><div>Kaiser High Voltage Power Supply SF6 Tank</div></div>							
	7101-117 SH. NO. 14 OF 18	REV.	CHECKED BY: KWS	DRAWN BY KWS	DRAWN FOR KWS	DATE 6/17/2011	SCALE	D	7101-117	SH. NO. 14 OF 18		REV.
		APPROVED BY: KWS										









REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.

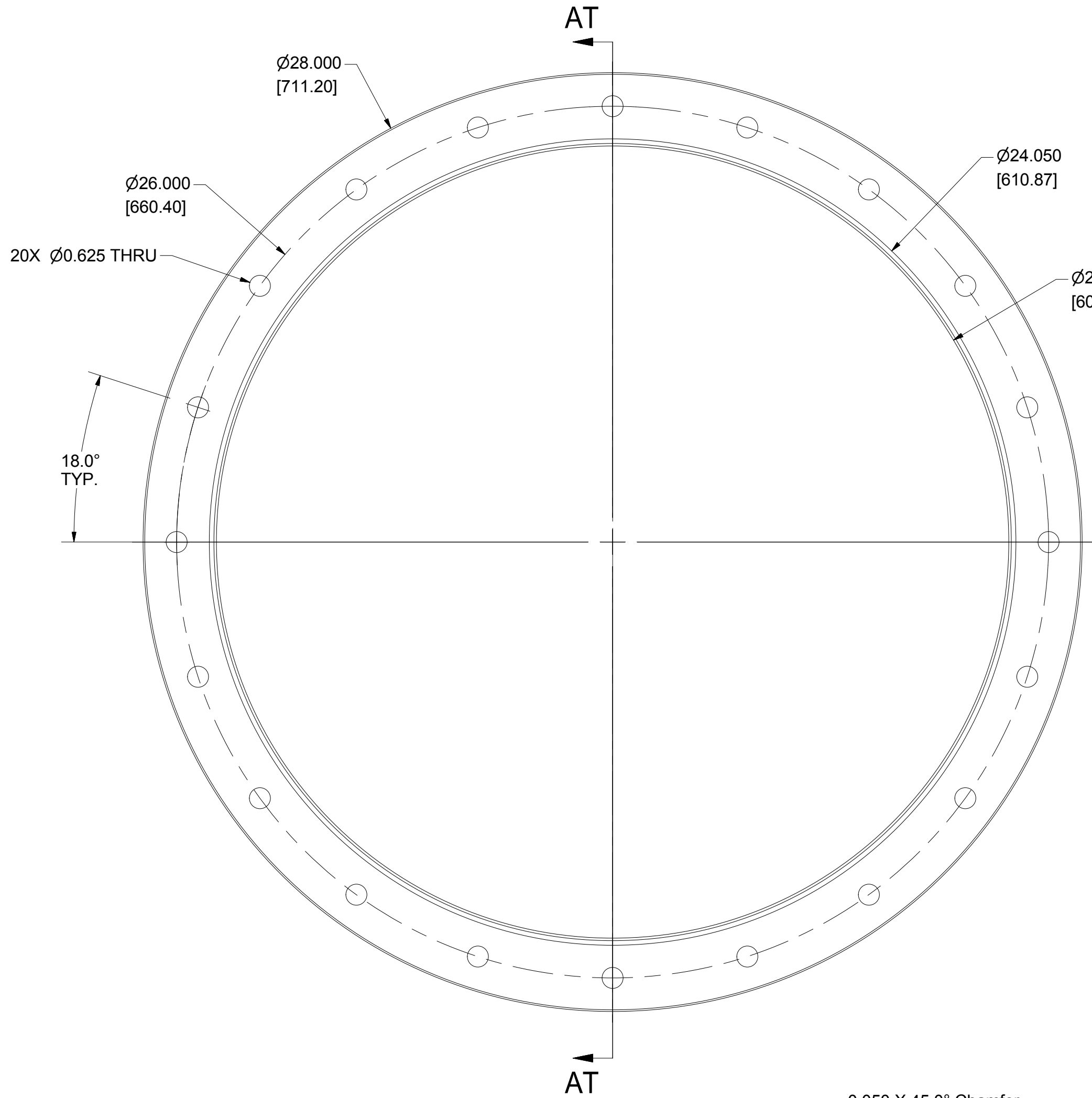
SECTION AM-AM
SCALE 1 / 3

DETAIL AP
SCALE 2 : 1

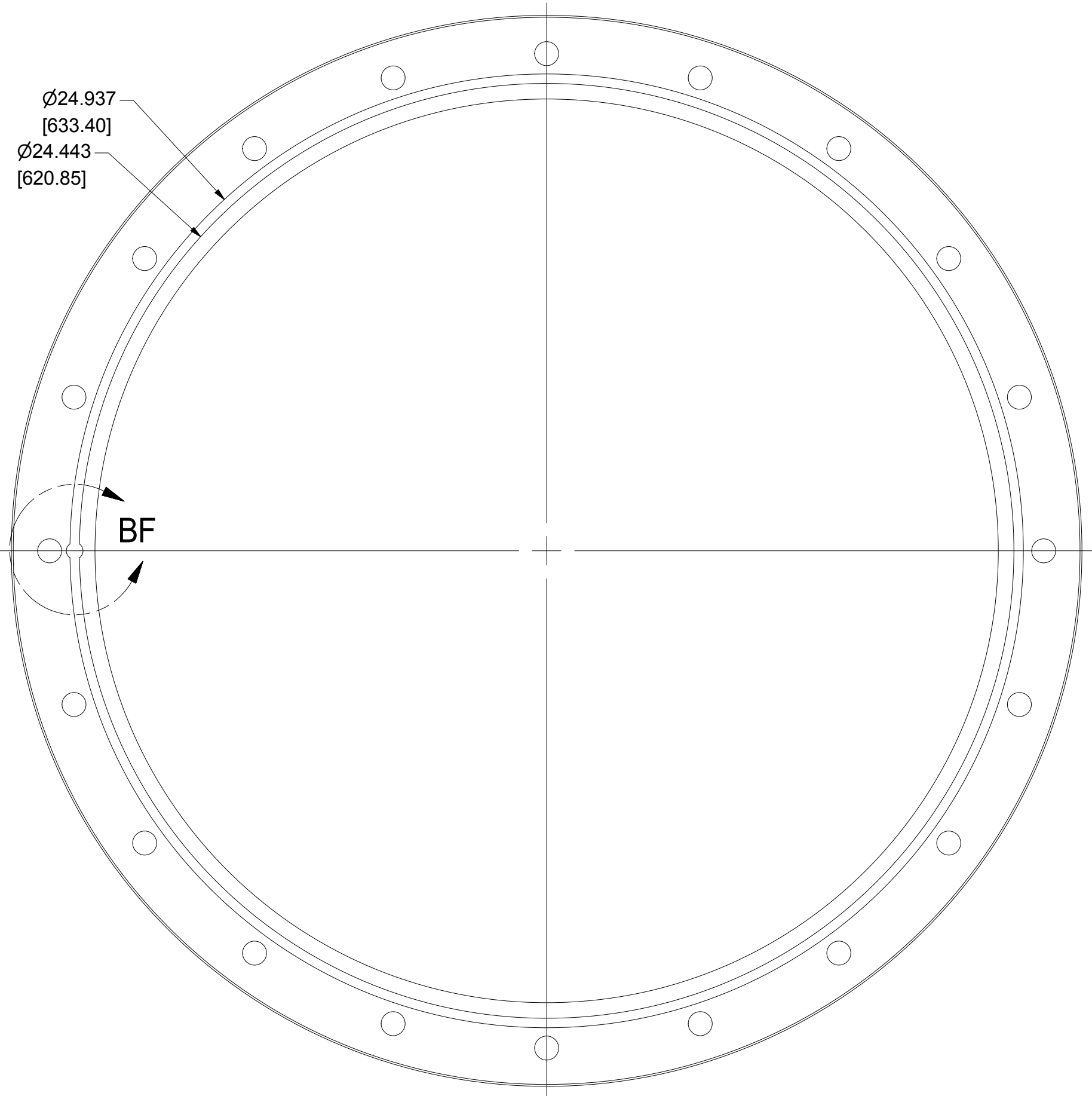
9 Connection Flange Flat (B)
FILE NAME: 7101-117
SHEET NO.: 16
DFT. SCALE: 1:3
MATERIAL: 304 Stainless Steel
QTY: 1
NOTES: Mill Finish Acceptable for Back Side of Flange

 		ITEM		DWG. NO.		DESCRIPTION			G1		G2		G3		REMARKS		REV.				
									QUANTITY												
 		PRINT DISTR.		PLOT DATE: 4/17/2012 CAD FILE NAME: 7101-117.idw																	
D 7101-117 SH. NO. 16 OF 18		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 			<div><div> LEPP</div><div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div><div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div></div> Kaiser High Voltage Power Supply SF6 Tank														
		CHECKED BY: KWS		DRAWN BY: KWS		DRAWN FOR: KWS		DATE: 6/17/2011		SCALE: D		7101-117		REV.							
		APPROVED BY: KWS										SH. NO. 16 OF 18									

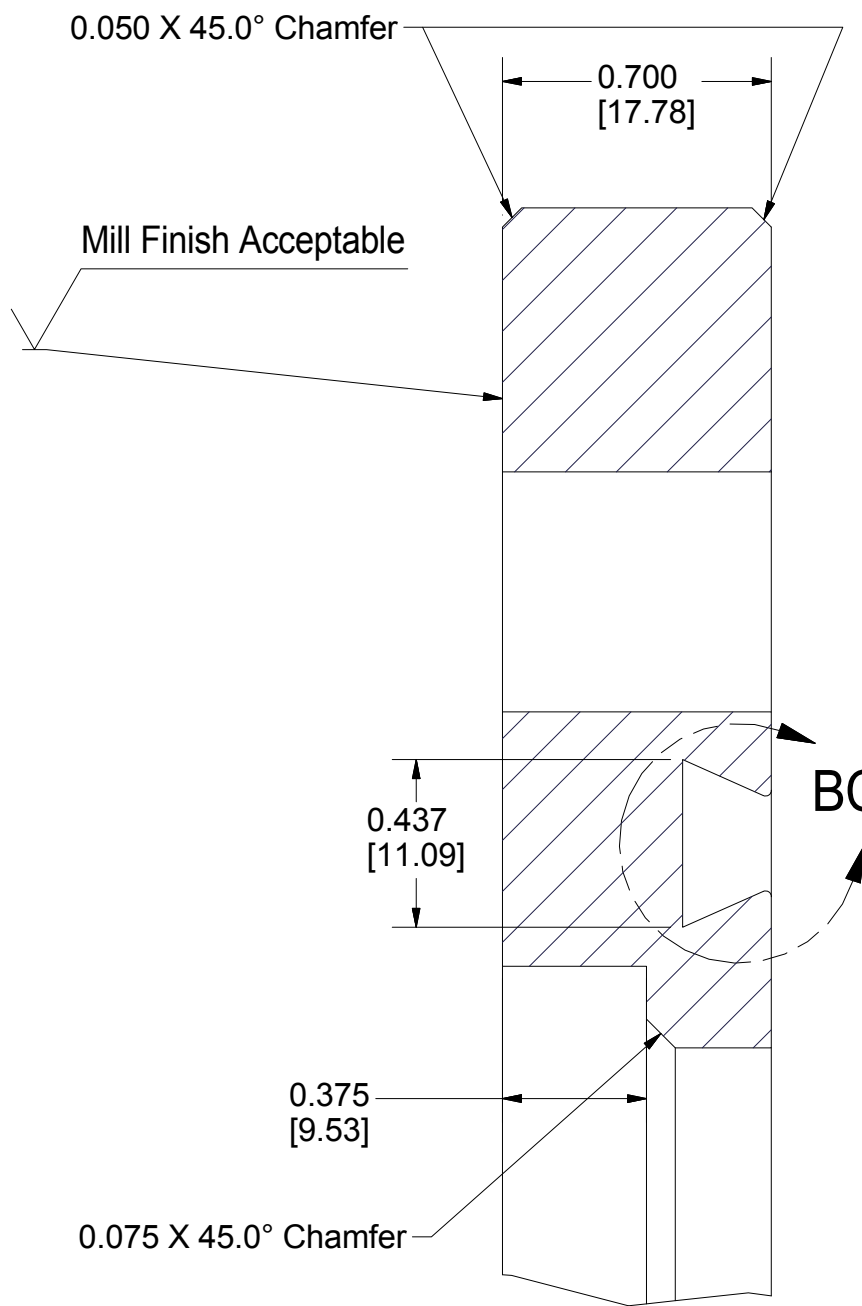
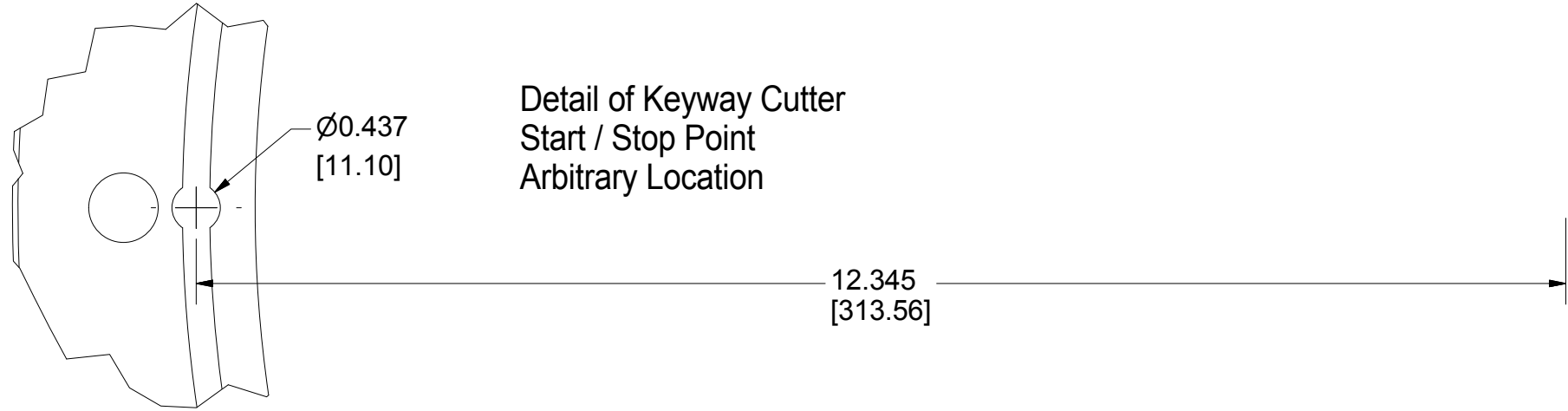
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A	E9	Increased Through Hole Size	9/27/12	KWS



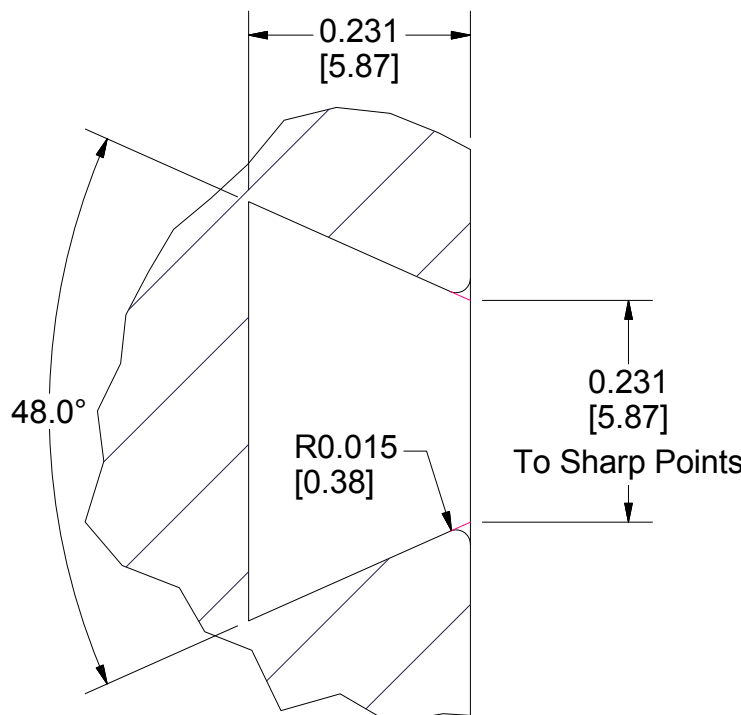
SECTION AT-AT
SCALE 1 / 3



DETAIL BF
SCALE 2 / 3



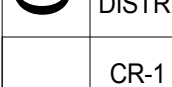




DETAIL AU
SCALE 2 : 1

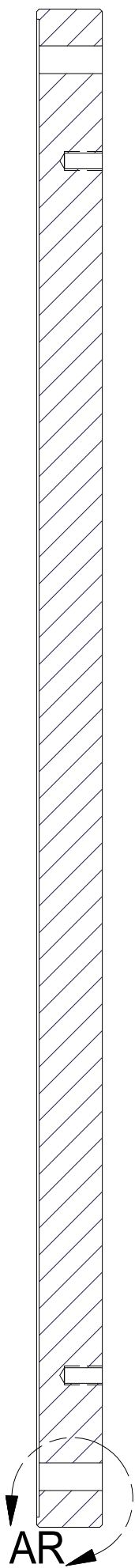
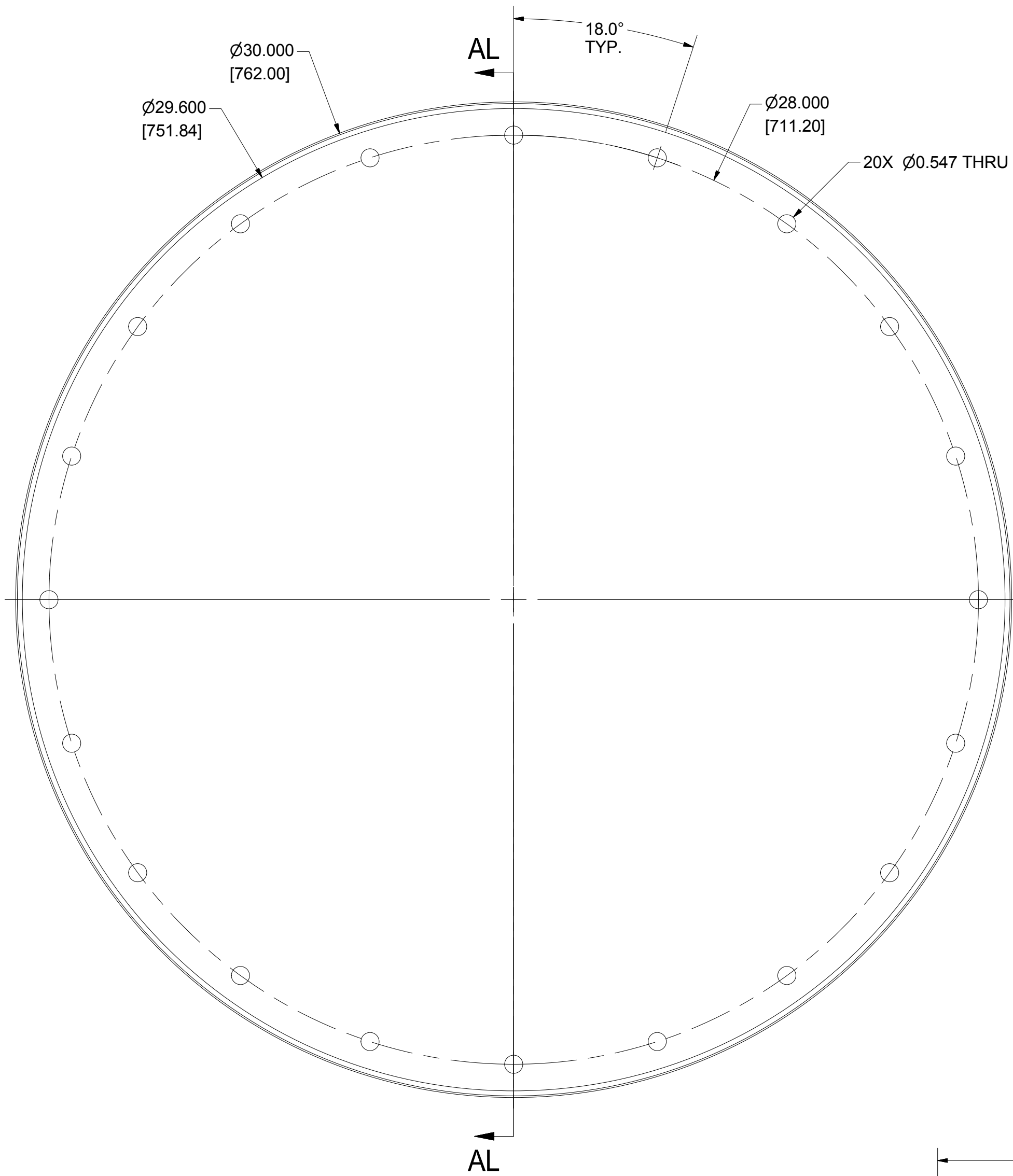


DETAIL BC
SCALE 5 : 1

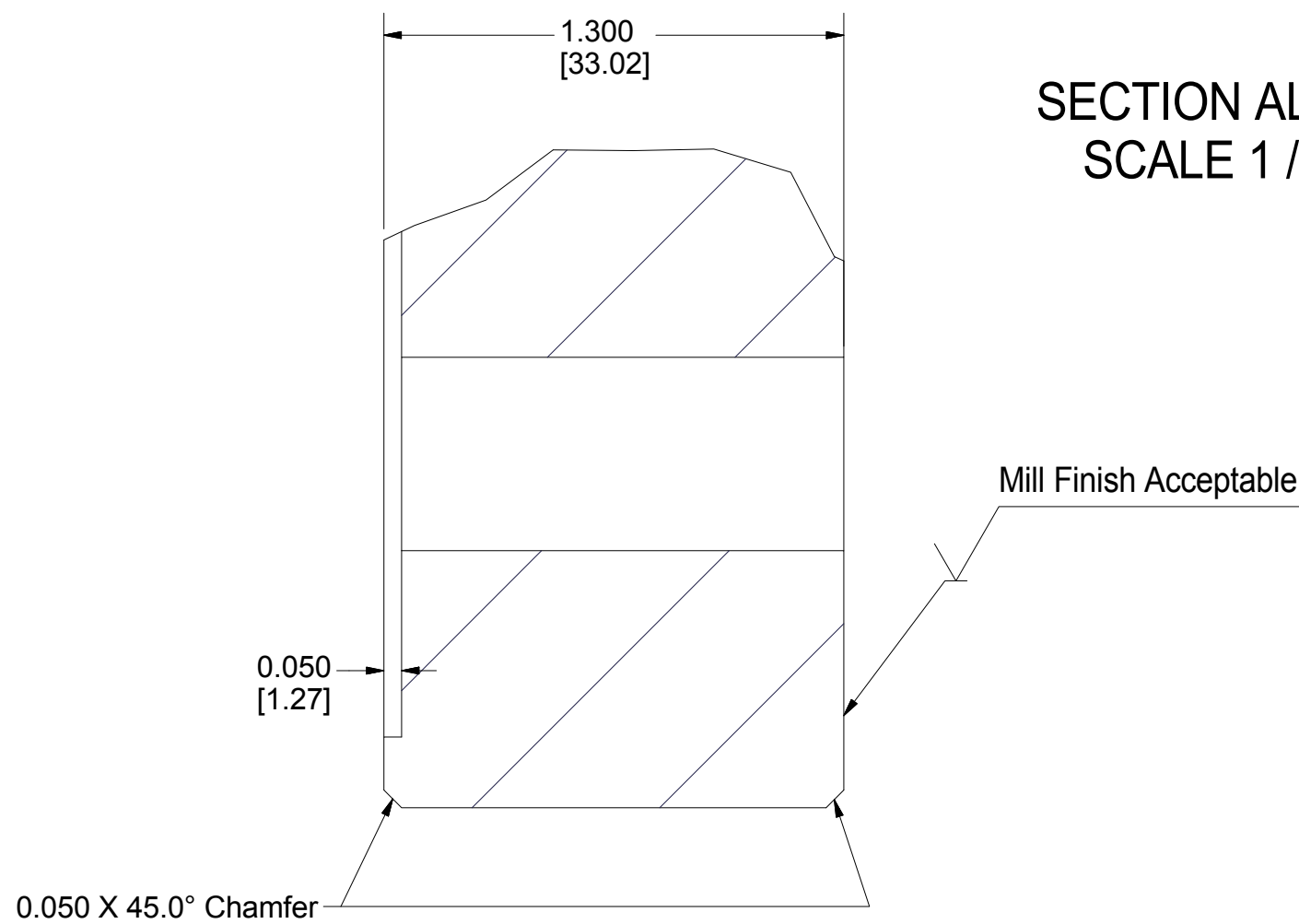
25 Connection Tube Flange (A)
FILE NAME: 7101-117
SHEET NO.: 17
DFT. SCALE: 1:3
MATERIAL: 304 Stainless Steel
QTY: 1
NOTES:

		ITEM		DWG. NO.		DESCRIPTION			G1		G2		G3		REMARKS		REV.			
									QUANTITY											
		PRINT DISTR.		PLOT DATE: 4/17/2012 CAD FILE NAME: 7101-117.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 			<div>CORNELL UNIVERSITY  LEPP</div> <div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div> <div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div> <div>Kaiser High Voltage Power Supply SF6 Tank</div>													
7101-117 SH. NO. 17 OF 18		REV. A		CHECKED BY: KWS			DRAWN BY KWS			DRAWN FOR KWS			DATE 6/17/2011		SCALE D		7101-117 SH. NO. 17 OF 18		REV. A	
				APPROVED BY: KWS																

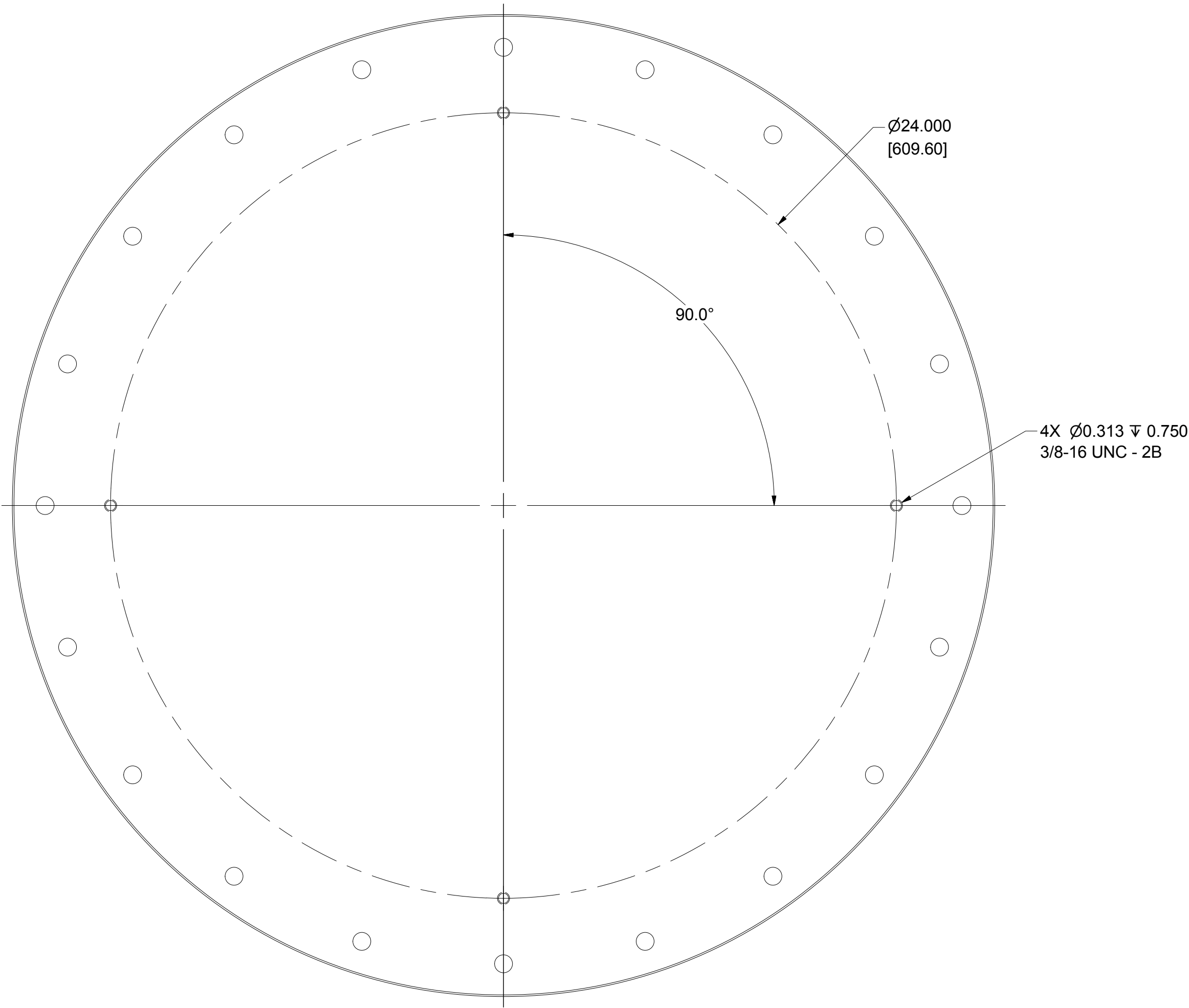
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.








SECTION AL-AL
SCALE 1 / 3



DETAIL AR
SCALE 2 : 1



4 Top Hatch Blank Flange
FILE NAME: 7101-117
SHEET NO.: 18
DFT. SCALE: 1:3
MATERIAL: 304 Stainless Steel
QTY: 1
NOTES: Mill Finish Acceptable For Back Side of Flange

 		ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS		REV.		
								QUANTITY						
D	PRINT DISTR.	PLOT DATE: 4/17/2012 CAD FILE NAME: 7101-117.idw												
	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><div> </div><div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div><div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div></div>									
SH. NO. 18 OF 18	7101-117				Kaiser High Voltage Power Supply SF6 Tank									
REV.		CHECKED BY: KWS			DRAWN BY KWS		DRAWN FOR KWS		DATE 6/17/2011		SCALE D	7101-117	REV.	
		APPROVED BY: KWS										SH. NO. 18 OF 18		