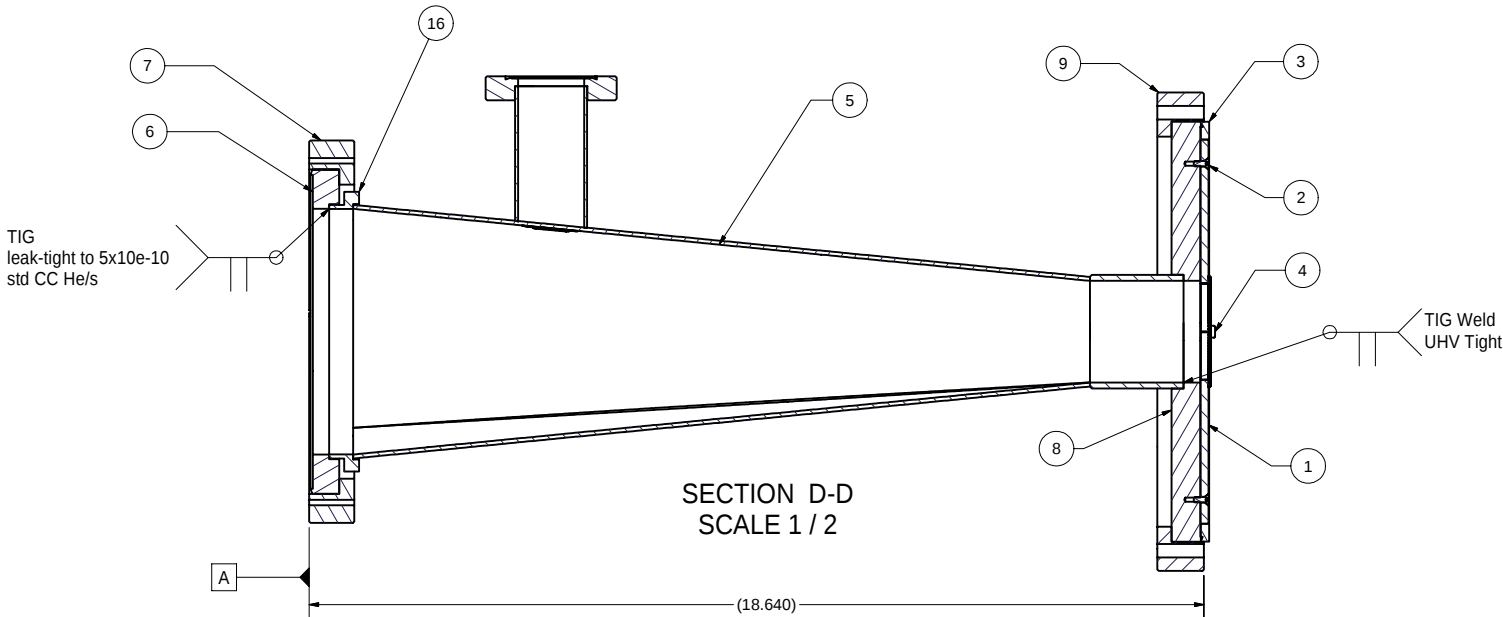
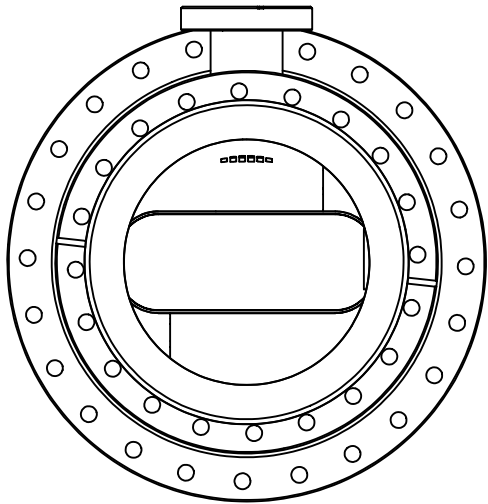
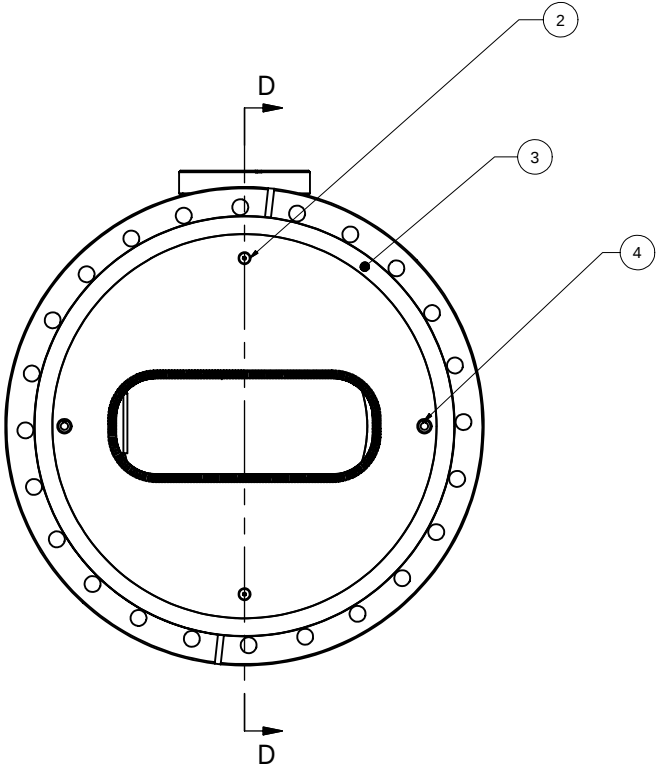
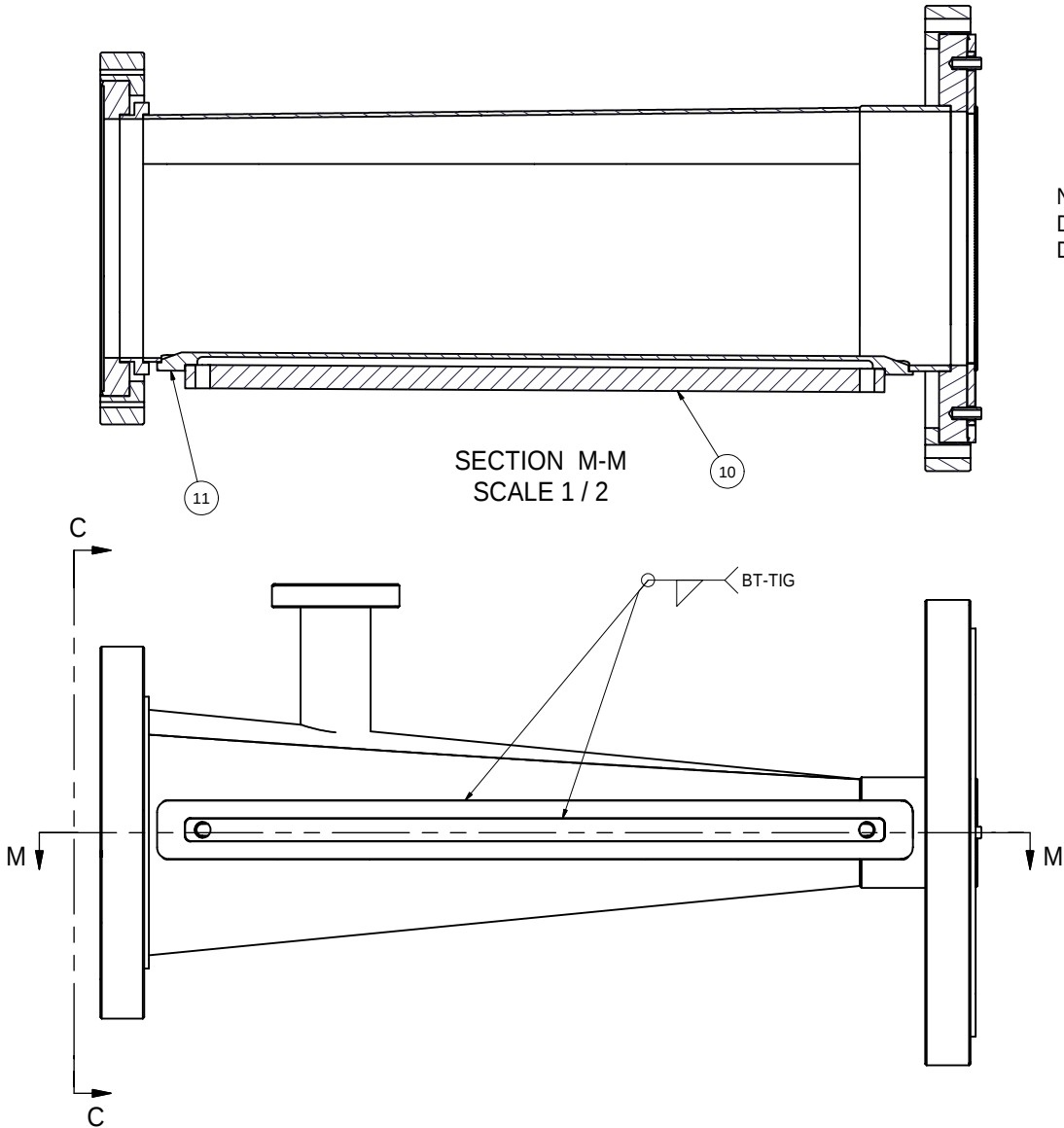


REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.

Note:
Det 11 Transition & Flange SR Mask on side shown constitutes a West Transition Ass'y..
Det 11 on opposite side constitutes an East Transition Ass'y.



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RELEVANT APPROVALS REQUIRED BEFORE FABRICATION.			
VACUUM PROPERTIES:	OK	DATE	N/A
YNCH. RAD. POWER:	Yulin Li	07/29/08	
H.O.M. HEATING:	D. Rice	07/29/08	
APERTURE CHECKOUT:	M. Billing	07/29/08	
INSTALLATION PROCEDURE:	D. Rubin	07/29/08	
	Yulin Li	07/29/08	

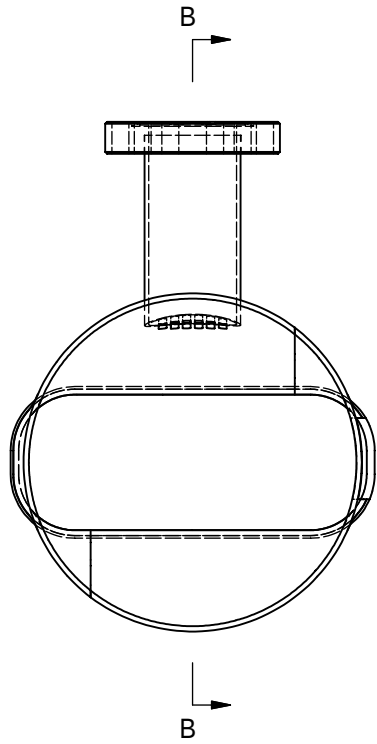
16	Sheet 6	End Ring	1						
11	Sheet 5	Transition & Flange SR mask	1						
10	Sheet 5	GV mask cover plate	1						
9	Purchased	F1000000R OUTER10000	1						
8	Sheet 4	F1000R-to-SB-Slot-adapter-inner	1						
7	Purchased	F800000R OUTER8000	1						
6	Sheet 4	F800R-to-130mmID-inner	1						
5	Sheet 2	Transition weldment	1						
4	Purchased	1/4"OD x 5/8" L Slotted Spring Pin, 18-8 St.Steel	2					McMaster-Carr's #92373A363	
3	6085-046	SB FLANGE COPPER GASKET	1						
2	Purchased	#4-40 x 5/16 Flat Head Hex Socket Cap Screw, 316 SS	2					McMaster-Carr's 90585A203	
1	6085-046	SB RF INSERT SUB-ASM	1						

ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	QUANTITY	REMARKS	REV.
16	Sheet 6	End Ring				1		
11	Sheet 5	Transition & Flange SR mask				1		
10	Sheet 5	GV mask cover plate				1		
9	Purchased	F1000000R OUTER10000				1		
8	Sheet 4	F1000R-to-SB-Slot-adapter-inner				1		
7	Purchased	F800000R OUTER8000				1		
6	Sheet 4	F800R-to-130mmID-inner				1		
5	Sheet 2	Transition weldment				1		
4	Purchased	1/4"OD x 5/8" L Slotted Spring Pin, 18-8 St.Steel				2	McMaster-Carr's #92373A363	
3	6085-046	SB FLANGE COPPER GASKET				1		
2	Purchased	#4-40 x 5/16 Flat Head Hex Socket Cap Screw, 316 SS				2	McMaster-Carr's 90585A203	
1	6085-046	SB RF INSERT SUB-ASM				1		

CORNELL UNIVERSITY	LEPP	CORNELL UNIVERSITY
LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS		Floyd R. Newman Laboratory
		Ithaca, NY 14853

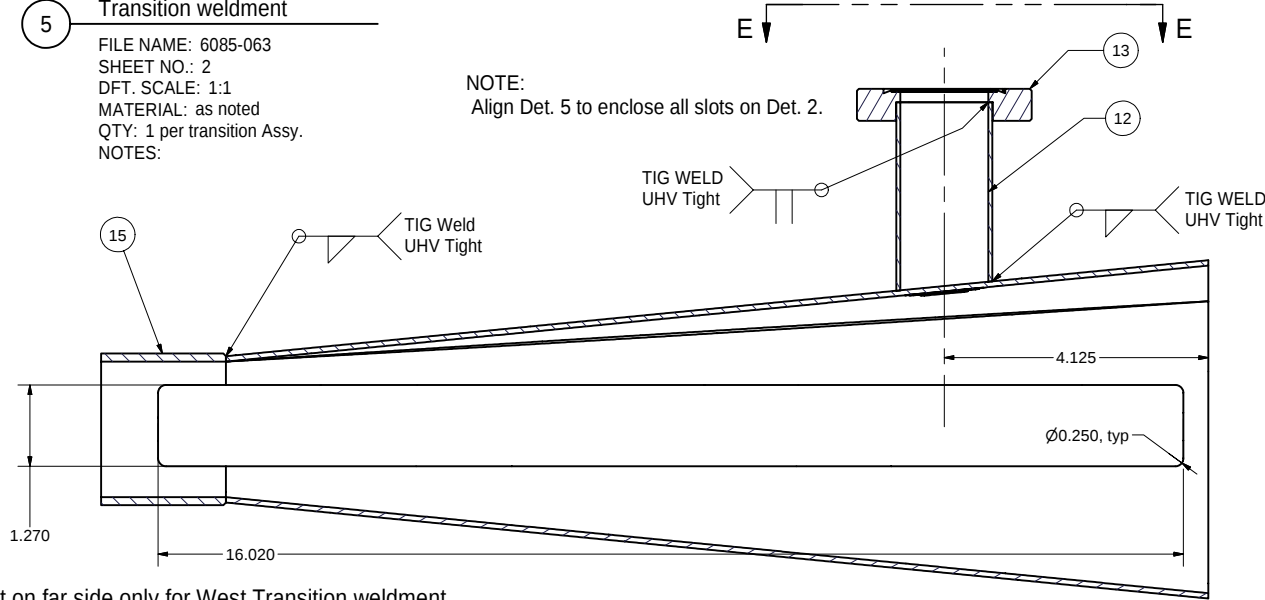
CHECKED BY: Yulin Li	DRAWN BY: J Savino	DRAWN FOR: Yulin Li	DATE: 6/25/2008	SCALE: D	6085-063	REV.
APPROVED BY: Yulin Li					SH. NO. 1 OF 6	

REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.



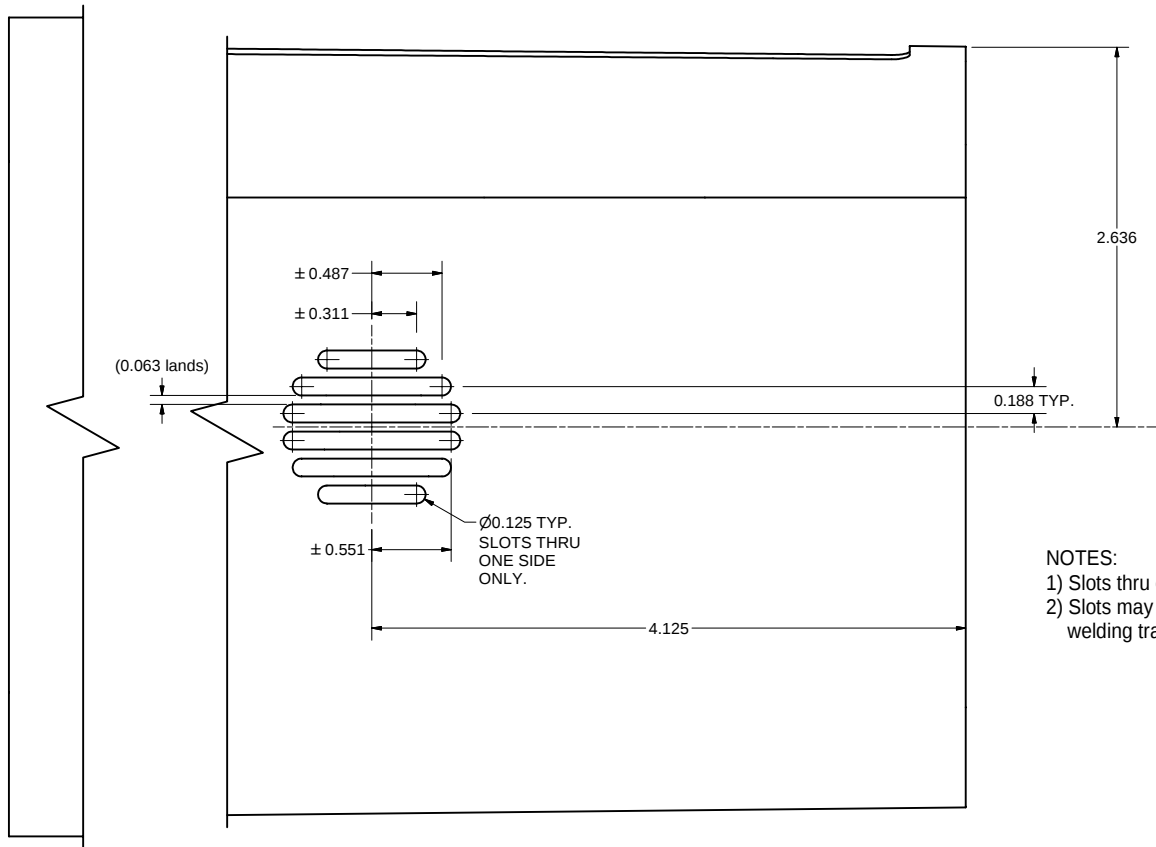
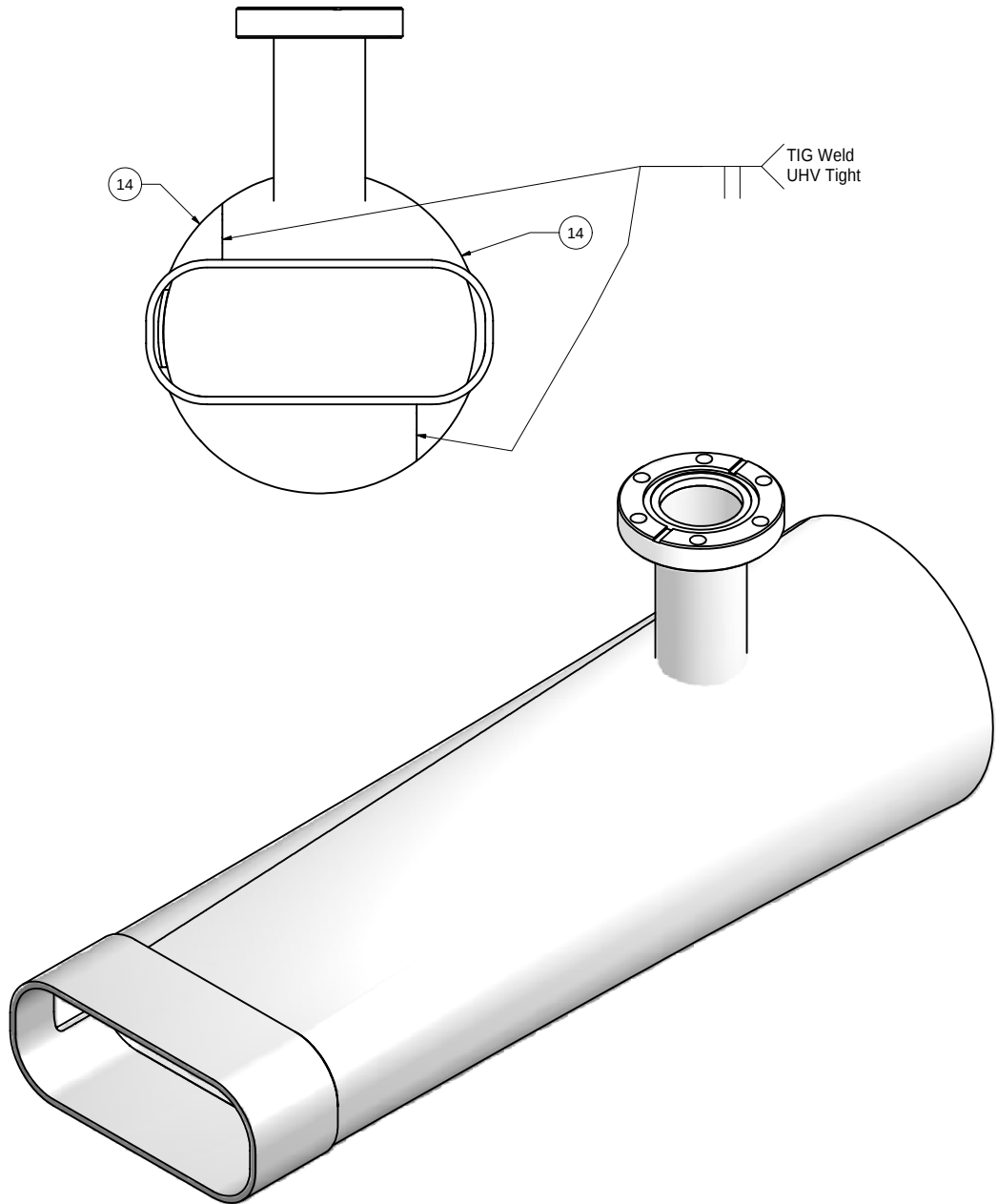
5 Transition weldment
FILE NAME: 6085-063
SHEET NO.: 2
DFT. SCALE: 1:1
MATERIAL: as noted
QTY: 1 per transition Assy.
NOTES:

NOTE:
Align Det. 5 to enclose all slots on Det. 2.



Slot on far side only for West Transition weldment
Slot on near side only for East Transition weldment

SECTION B-B
SCALE 2:3
Mask slot and weld detail



NOTES:
1) Slots thru one side of transition only.
2) Slots may be added before or after welding transition halves together.

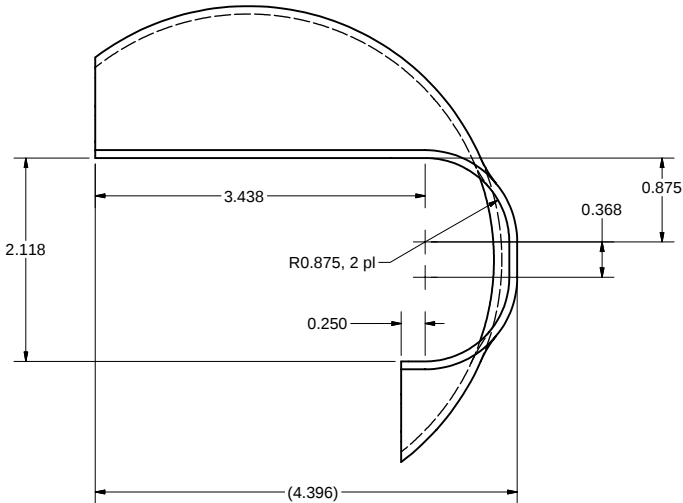
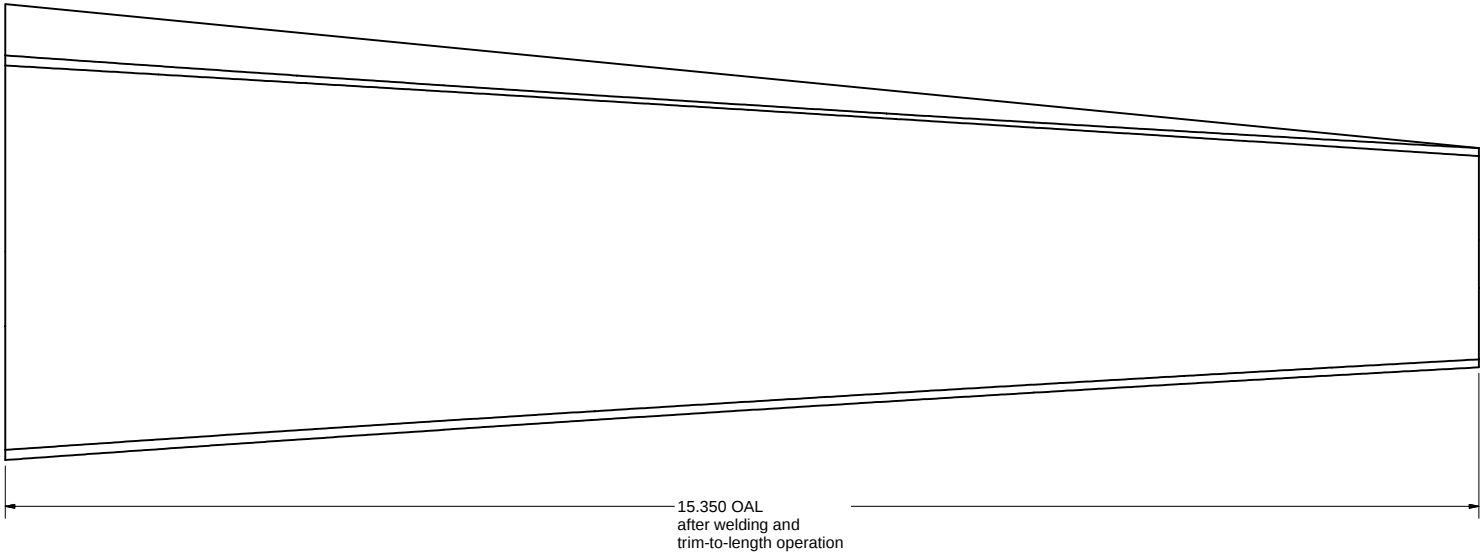
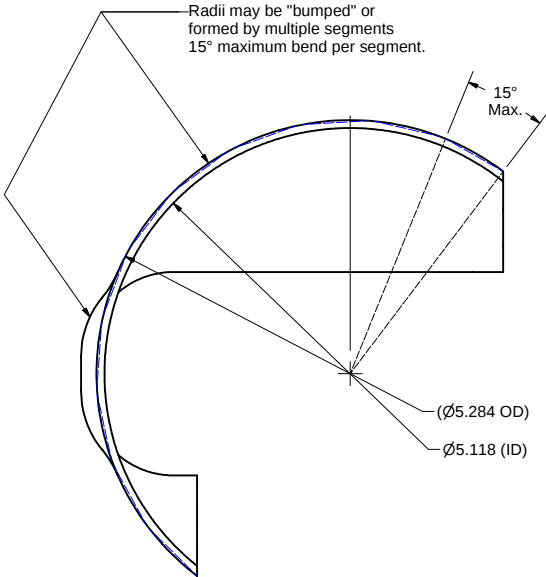
VIEW E-E
SCALE 2:3
RF Slotting
Gauge Stub and Flange
not shown

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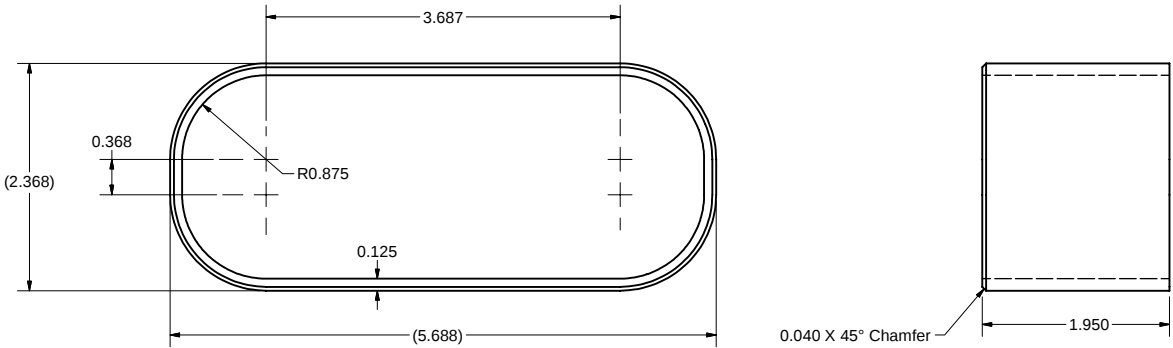
15	Sheet 3	Flange to transition bridge piece	1					
14	Sheet 3	Transition halves	2					
13	Purchased	F0275X150N	1					
12	Sheet 4	1.5 ID Gauge stub on transition	1					

		ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS	REV.
						QUANTITY					
	PRINT DISTR.	PLOT DATE: 8/11/2008 CAD FILE NAME: 6085-063 SB48 to L0 pipes Transition Chamber.idw									
	SH. NO. 2 OF 6	CR-1	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES; TOLERANCES ON: .00 ± .010 .000 ± .005 FRACTIONS ± 1/64 ANGLES ± 0.5° ALL SURFACES ✓		 CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853 SB48 to L0 Pipes Transition Chamber Machining and Welding Details - Transition Weldment						
CHECKED BY: Yulin Li											DRAWN BY J Savino
REV.	APPROVED BY: Yulin Li										

REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.



14 Transition half
FILE NAME: 6085-063
SHEET NO.: 3
DFT. SCALE: 1:1
MATERIAL: SS 304L or 316L .083 thk
QTY: 2 per Transition weldment assy
NOTES:

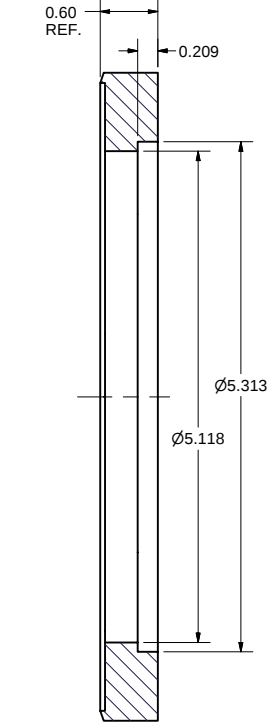


15 Flange to transition bridge piece
FILE NAME: 6085-063
SHEET NO.: 3
DFT. SCALE: 1
MATERIAL: SS 304L or 316L
QTY: 1 per ass'y
NOTES:

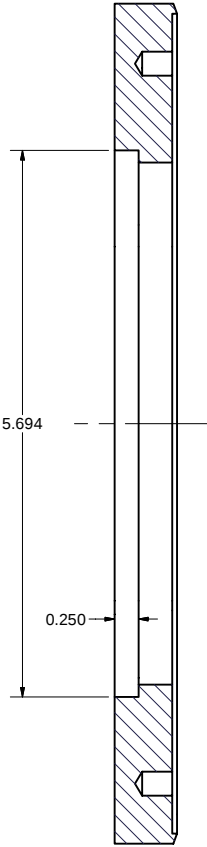
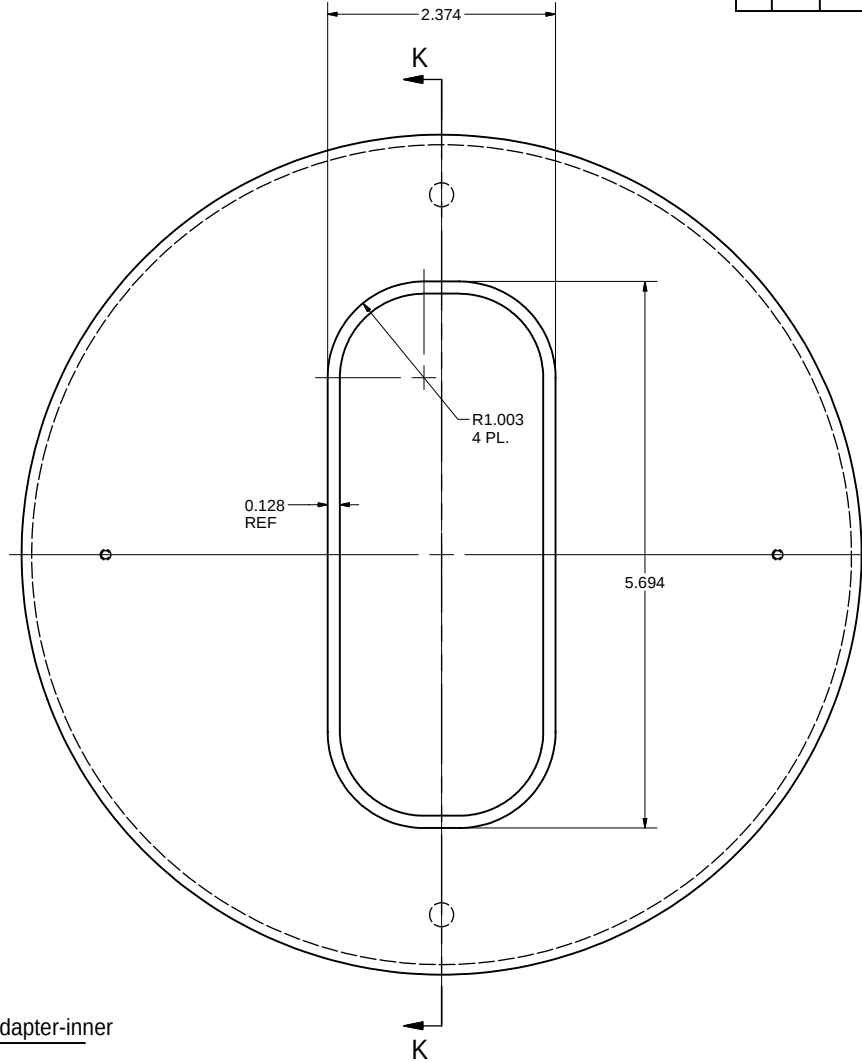
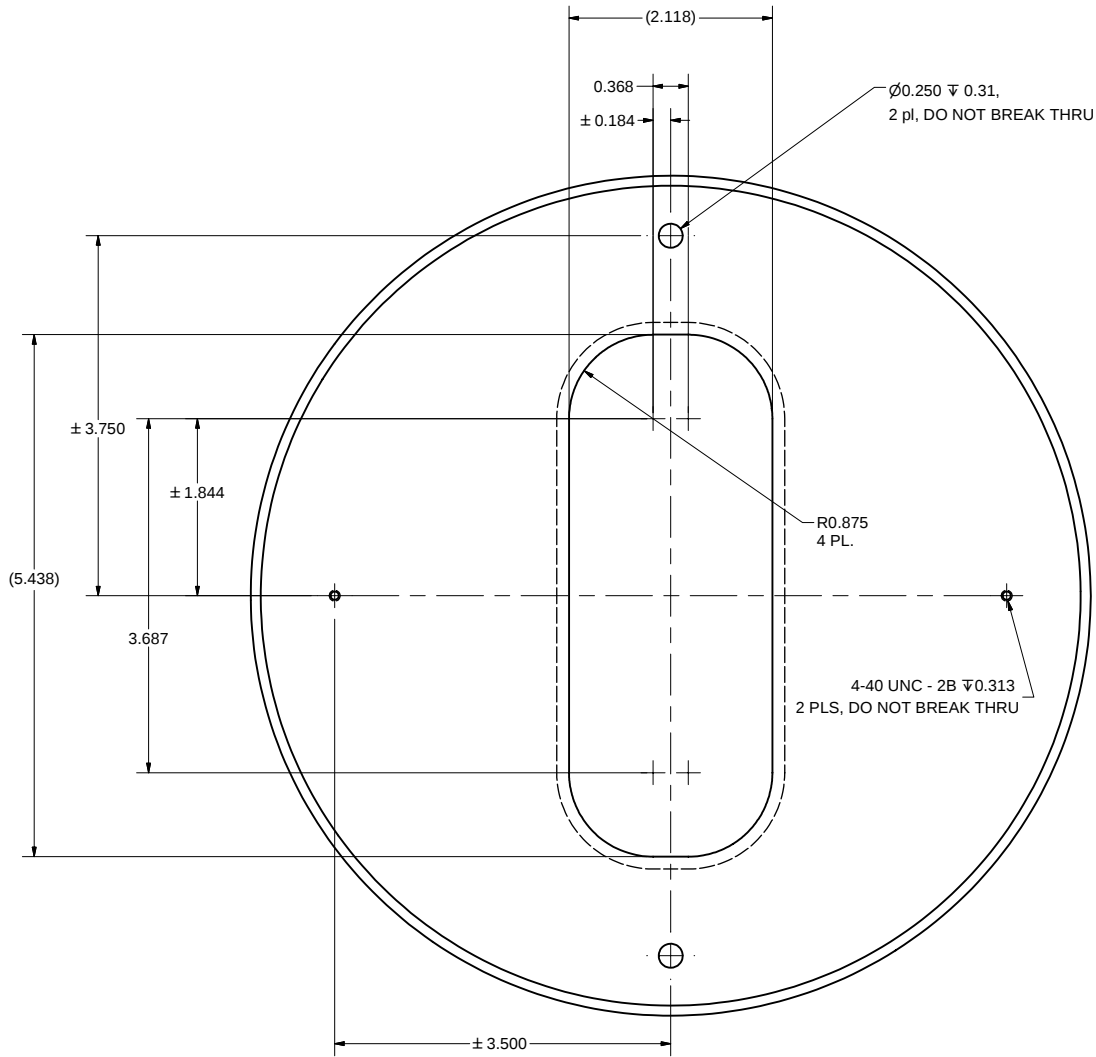
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	ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.			
				QUANTITY							
PRINT DISTR.	PLOT DATE: 8/11/2008 CAD FILE NAME: 6085-063 SB48 to L0 pipes Transition Chamber.idw										
SH. NO. 3 OF 6	CR-1	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES; TOLERANCES ON: .00 ± .010 .000 ± .005 FRACTIONS ± 1/64 ANGLES ± 0.5° ALL SURFACES 	 CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853					SB48 to L0 Pipes Transition Chamber Transition Half and Bridge Piece Details			
			CHECKED BY: Yulin Li		DRAWN BY	DRAWN FOR	DATE		SCALE	D	6085-063 SH. NO. 3 OF 6
			APPROVED BY: Yulin Li		J Savino	Yulin Li	6/25/2008				
REV.											

REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A	E3	0.125 REF was 0.090 REF	8/11/08	TIO

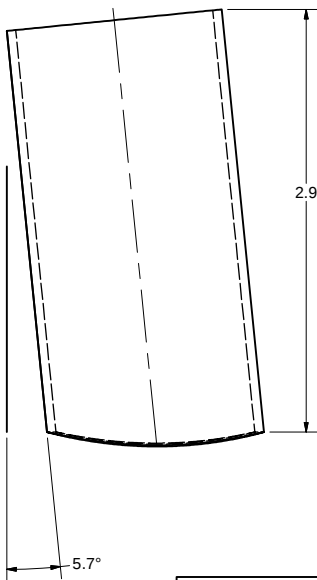


6 F800R-to-130mm ID-inner
FILE NAME: 6085-063
SHEET NO.: 4
DFT. SCALE: 1
MATERIAL: Make from 8.0" Rotatble Blank Flange
QTY: 1 per ass'y
NOTES:

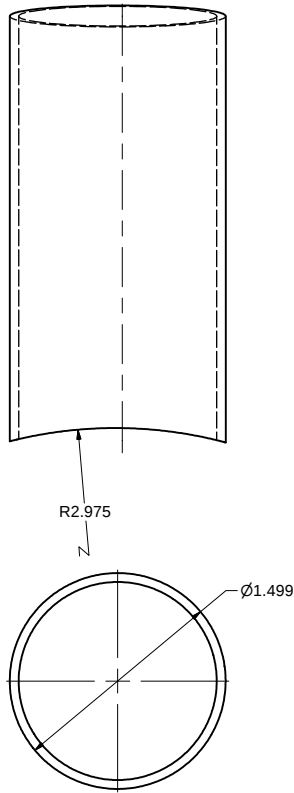


SECTION K-K
SCALE 1 : 1

8 F1000R-to-SB-slot-adapter-inner
FILE NAME: 6085-063
SHEET NO.: 4
DFT. SCALE: 1
MATERIAL: Make from 10" Rotable Blank Flange (F1000X0000R)
QTY: 1 per ass'y
NOTES:



Stub shown inclined
5.7° toward viewer

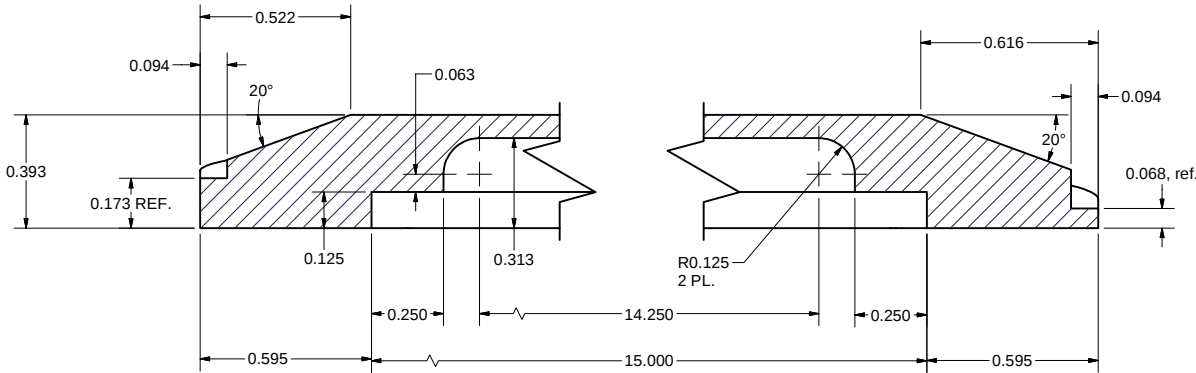
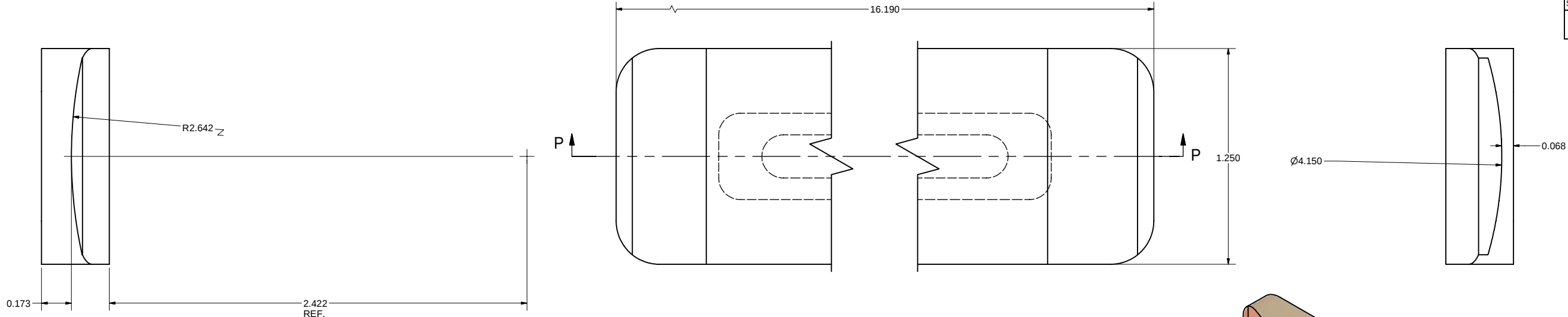


12 Gauge Stub
FILE NAME: 6085-063
SHEET NO.: 4
DFT. SCALE: 1.5:1
MATERIAL: SS 304L or 316L, .063 thk.
QTY: 1 per ass'y
NOTES:

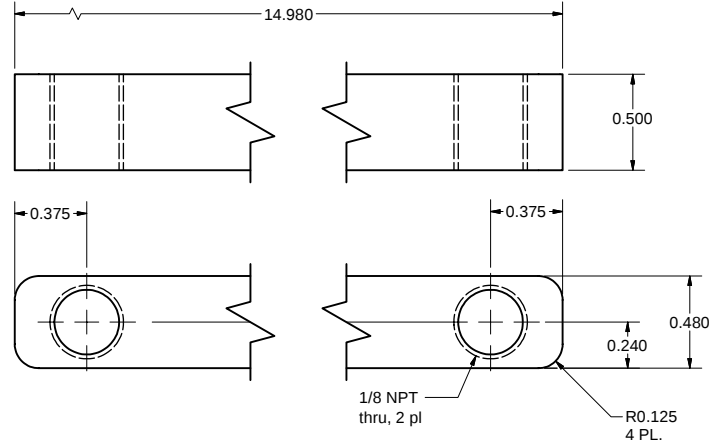
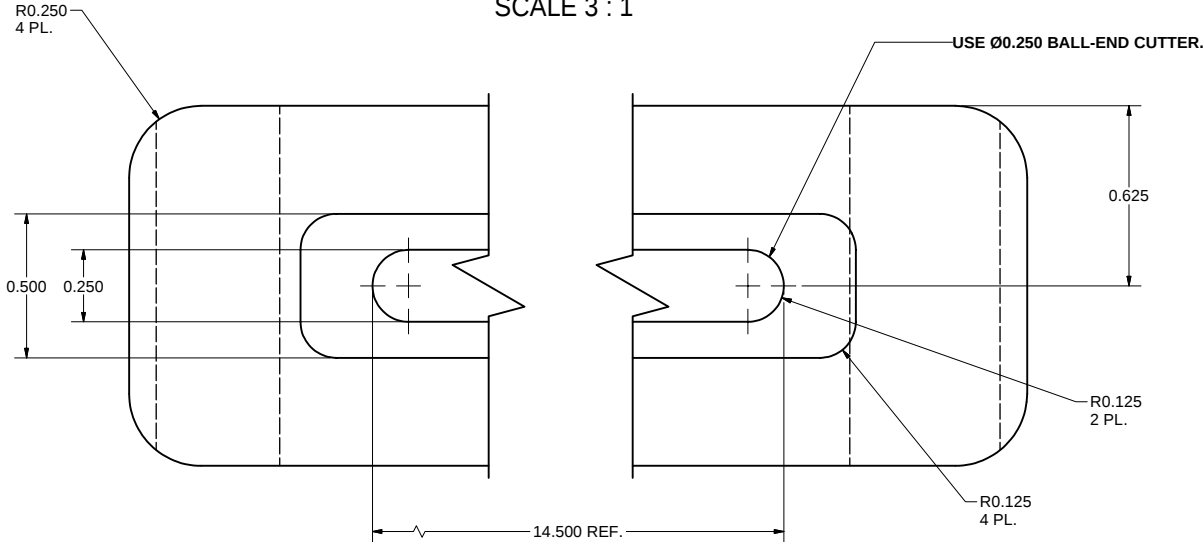
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OR EQUIVALENT APPROVED BY CORNELL LEPP

	ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS	REV.
							QUANTITY			
PRINT DISTR.	PLOT DATE: 8/11/2008 CAD FILE NAME: 6085-063 SB48 to L0 pipes Transition Chamber.idw									
6085-063 SH. NO. 4 OF 6	CR-1	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES; TOLERANCES ON: .00 ± .010 .000 ± .005 FRACTIONS ± 1/64 ANGLES ± 0.5° ALL SURFACES 	 CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853							
			SB48 to L0 Pipes Transition Chamber Machining Details							
			REV. A	CHECKED BY: Yulin Li		DRAWN BY J Savino	DRAWN FOR Yulin Li	DATE 6/25/2008	SCALE	D
APPROVED BY: Yulin Li										

REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A	F2	Changed radii on end of part, was 2 radii with straight between. Edited material spec to OFE C101.	8/1/08	TIO



SECTION P-P
SCALE 3 : 1



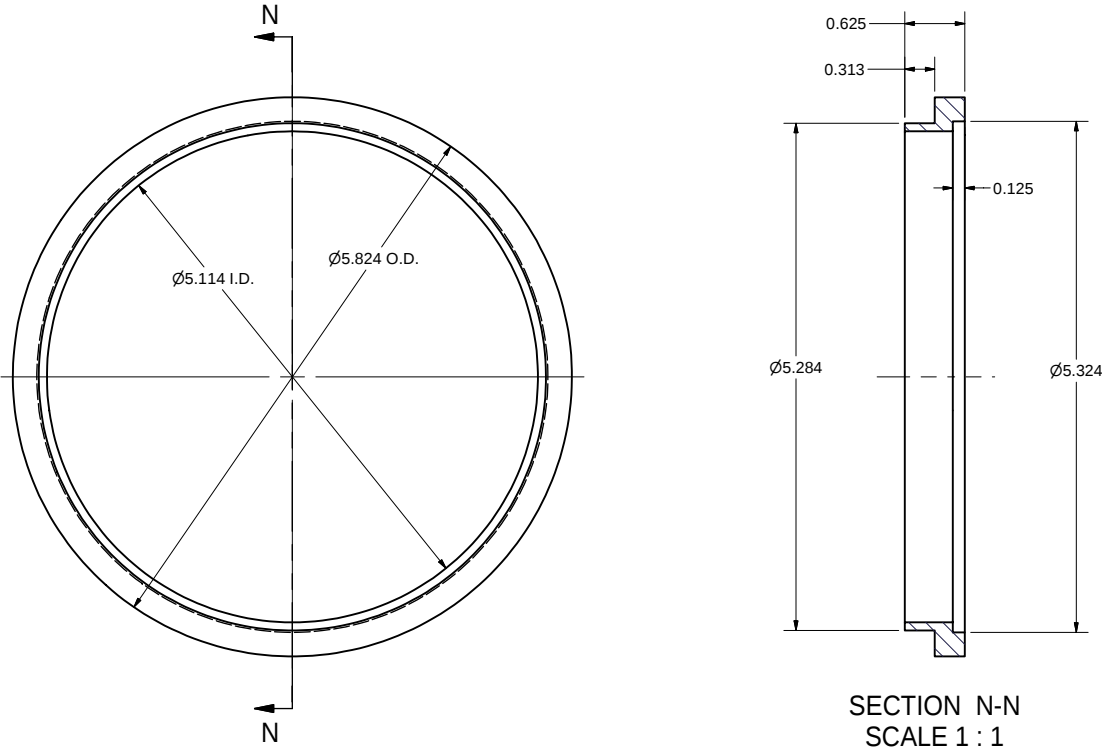
10 SR mask cover plate
FILE NAME: 6085-063
SHEET NO.: 5
DFT. SCALE: 2:1
MATERIAL: ASM10100 copper (OFHC)
QTY: 1 per assy
NOTES:

11 Transition & Flange SR mask
FILE NAME: 6085-063
SHEET NO.: 5
DFT. SCALE: 3
MATERIAL: OFE C101 Copper
QTY: 1 per assy
NOTES:

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OR EQUIVALENT APPROVED BY CORNELL LEPP

	ITEM	DWG. NO.	DESCRIPTION				G1	G2	G3	REMARKS	REV.
							QUANTITY				
D	PRINT DISTR.	PLOT DATE: 8/11/2008 CAD FILE NAME: 6085-063 SB48 to L0 pipes Transition Chamber.idw									
	CR-1	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES: TOLERANCES ON: .00 ± .010 .000 ± .005 FRACTIONS ± 1/64 ANGLES ± 0.5° ALL SURFACES 				 CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853 SB48 to L0 Pipes Transition Chamber SR mask and Cover Plate Details					
6085-063 SH. NO. 5 OF 6	REV. A	CHECKED BY: Yulin Li APPROVED BY: Yulin Li		DRAWN BY J Savino	DRAWN FOR Yulin Li	DATE 6/25/2008	SCALE	D	6085-063 SH. NO. 5 OF 6		REV. A

REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.



16 End Ring

FILE NAME: 6085-063
SHEET NO.: 6
DFT. SCALE: 1:1
MATERIAL: SS 304L or 316L
QTY: 1 per ass'y
NOTES:

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	ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS	REV.	
							QUANTITY				
	PLOT DATE: 8/11/2008 CAD FILE NAME: 6085-063 SB48 to L0 pipes Transition Chamber.idw										
	SH. NO. 6 OF 6	CR-1	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES; TOLERANCES ON: .00 ± .010 .000 ± .005 FRACTIONS ± 1/64 ANGLES ± 0.5° ALL SURFACES 	 LEPP CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853 SB48 to L0 Pipes Transition Chamber End Ring Detail							
CHECKED BY: Yulin Li				DRAWN BY J Savino	DRAWN FOR Yulin Li	DATE 6/25/2008	SCALE		6085-063 SH. NO. 6 OF 6	REV.	
APPROVED BY: Yulin Li											