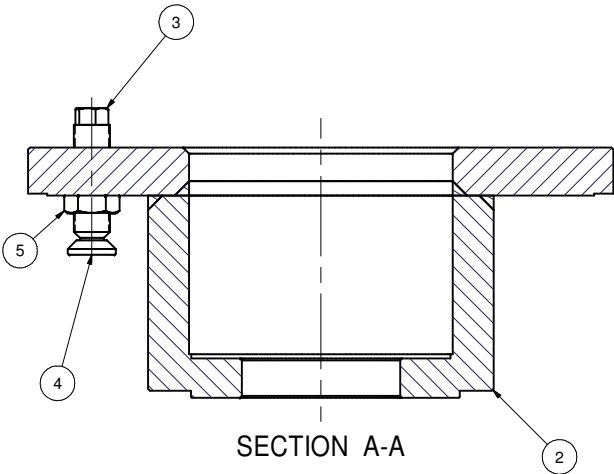
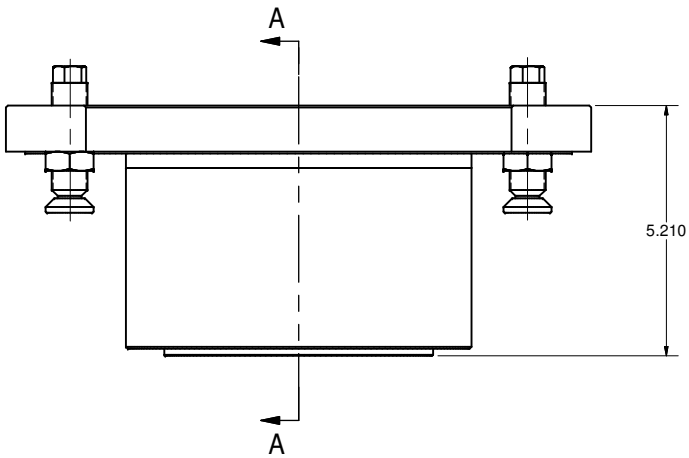
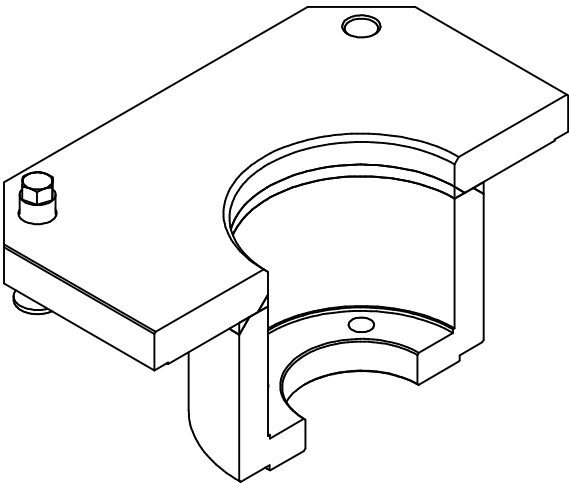
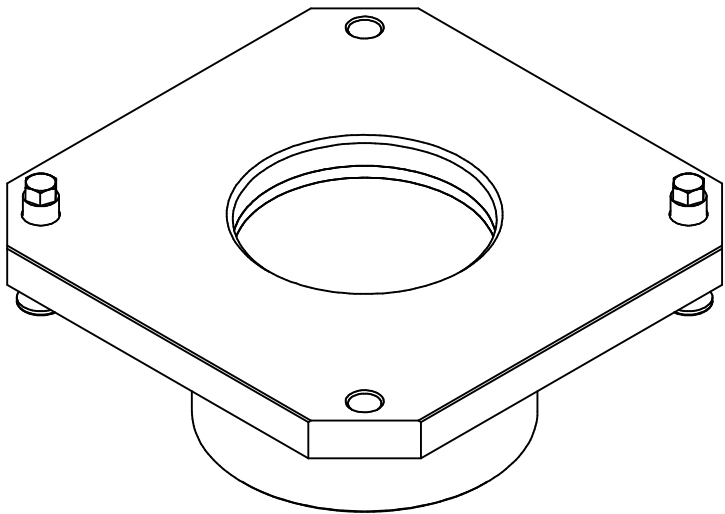
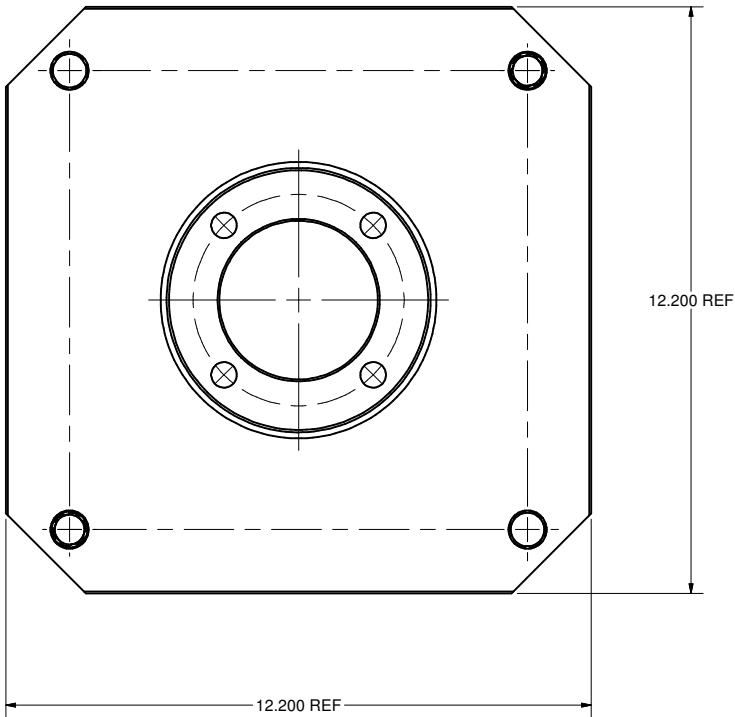


REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A		CHANGED PT.1 QTY. REQ'D. TMK	11/29/07	TIO







1 SUPPORT PLATE SUB-ASSEMBLY
FILE NAME: 7110-009
SHEET NO.: 1
DFT. SCALE: 1/2
MATERIAL:
QTY: 6 PER ERL INJECTOR
NOTES:

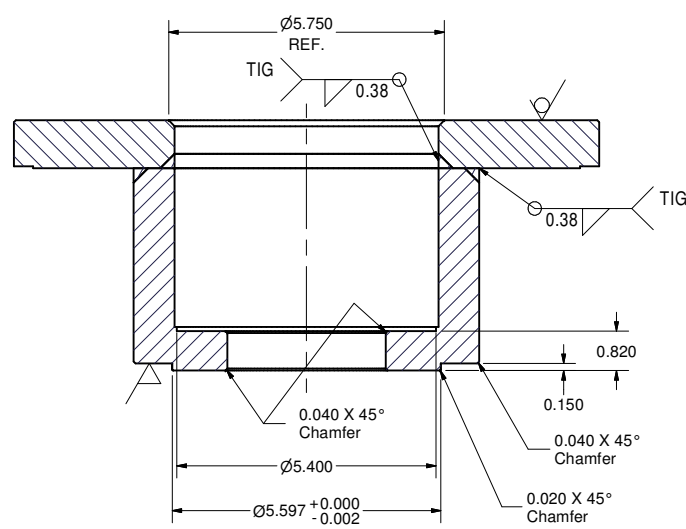
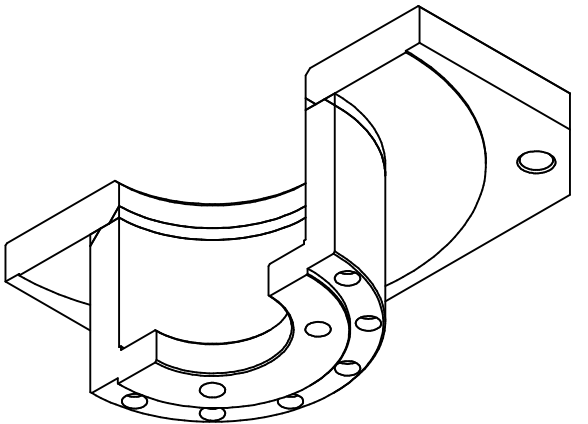
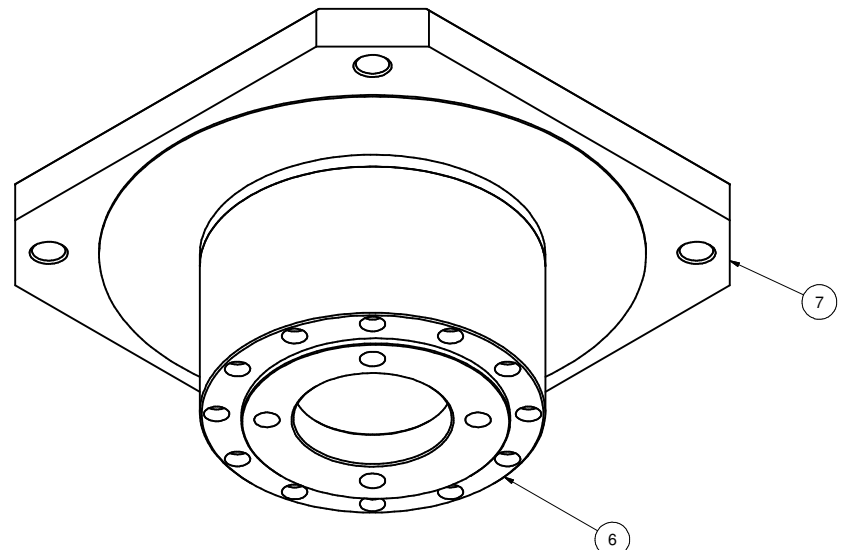
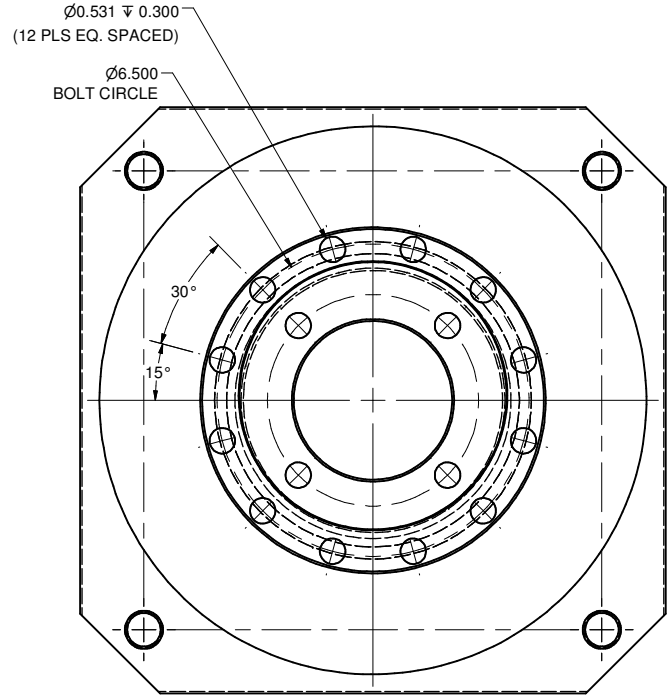
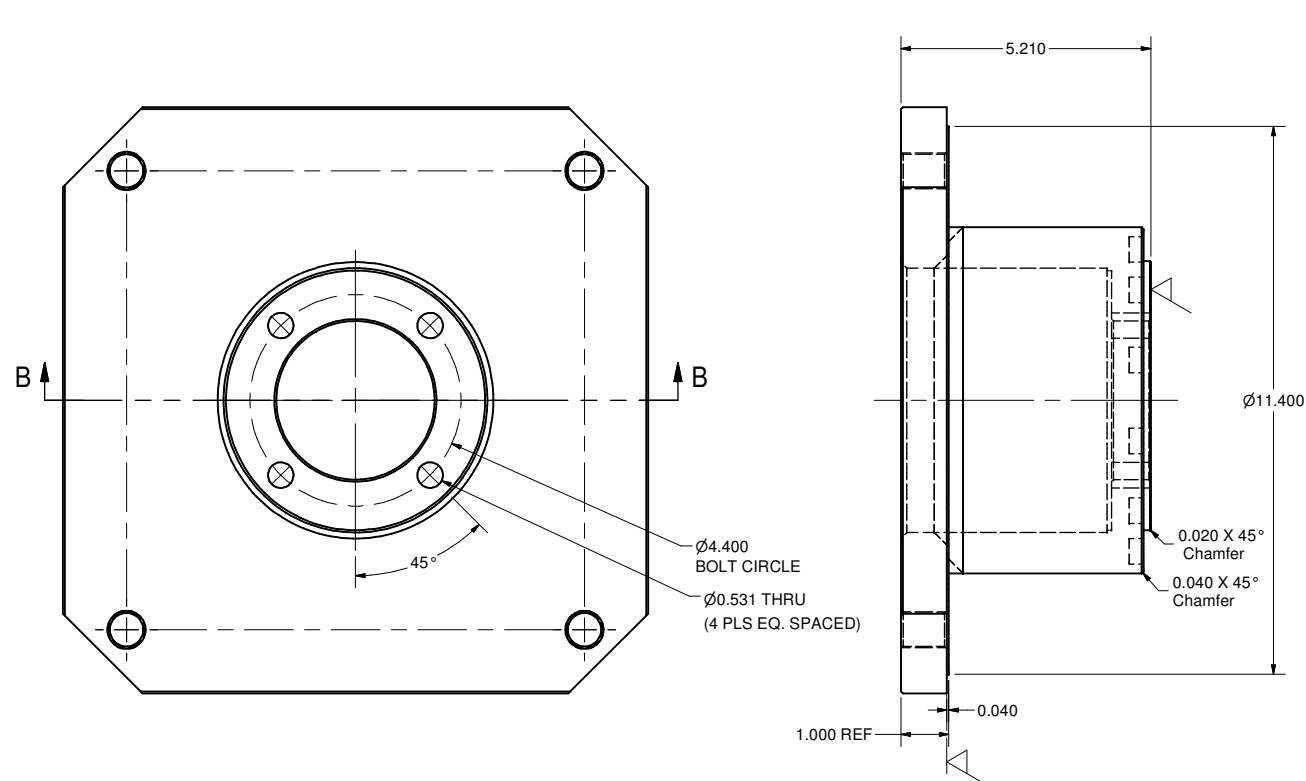
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ALKALINE DETERGENT LUBRICANT CIMSTAR 40
OR EQUIVALENT APPROVED BY CORNELL LEPP

Release of final PO version for Meyer Tool - June 19, 2007.

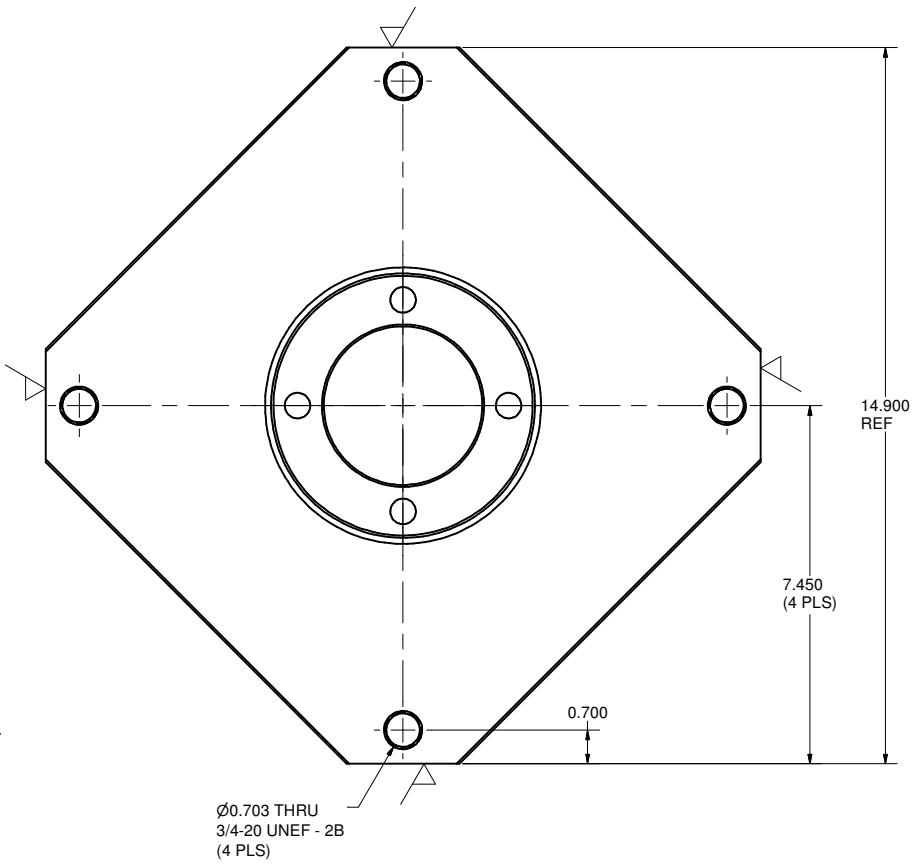
5	7110-009 (SH.4)	LOCK NUT	2					
4	7110-009 (SH.4)	SCREW PAD	2					
3	7110-009 (SH.4)	VERTICAL ALIGNMENT SCREW	2					
2	7110-009 (SH.2)	SUPPORT PLATE WELDMENT	1					
1	7110-009 (SH.1)	SUPPORT PLATE SUB-ASSEMBLY	X					

	ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.
				QUANTITY				
PRINT DISTR.	PLOT DATE: 11/29/2007 CAD FILE NAME: 7110-009.idw							
7110-009 SH. NO. 1 OF 12	CR1	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</div><div> LEPP</div><div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div></div> <div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div>					REV.
			ERL Horizontal Test Cryomodule HGRP Alignment Components SUPPORT PLATE SUB-ASSEMBLY DETAIL					
			CHECKED BY: V.M. APPROVED BY: M.L.	DRAWN BY applin	DRAWN FOR V.M.	DATE 8/28/2006	SCALE D	
A	REV.							A

REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.



SECTION B-B



2 SUPPORT PLATE WELDMENT
FILE NAME: 7110-009
SHEET NO.: 2
DFT. SCALE: 1/2
MATERIAL:
QTY: 1
NOTES:

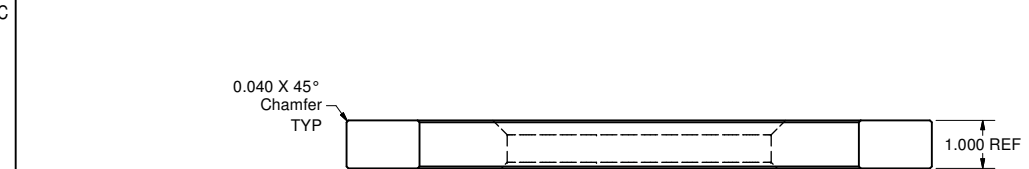
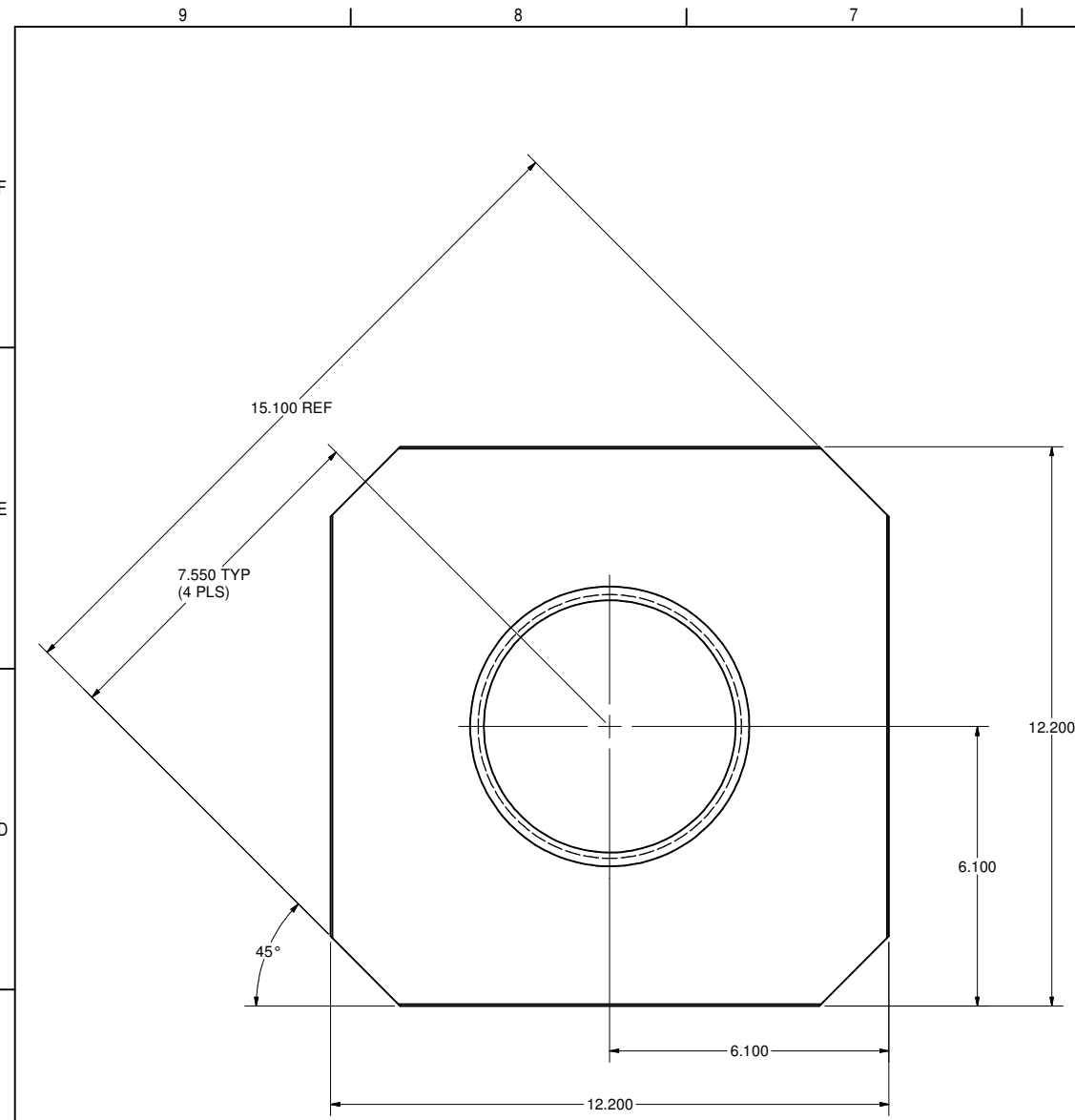
Ø0.703 THRU
3/4-20 UNEF - 2B
(4 PLS)

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OR EQUIVALENT APPROVED BY CORNELL LEPP

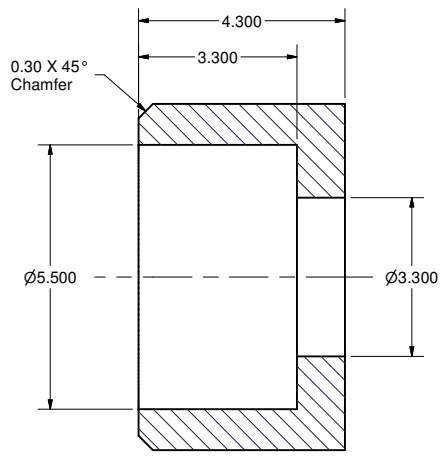
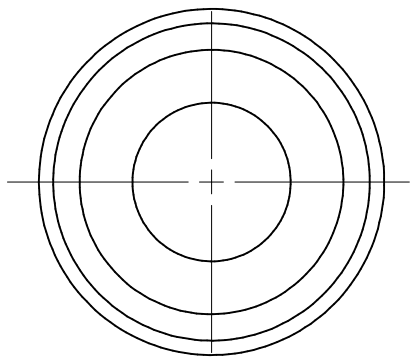
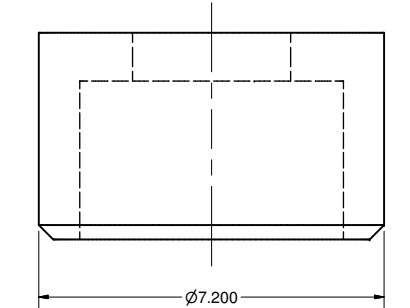
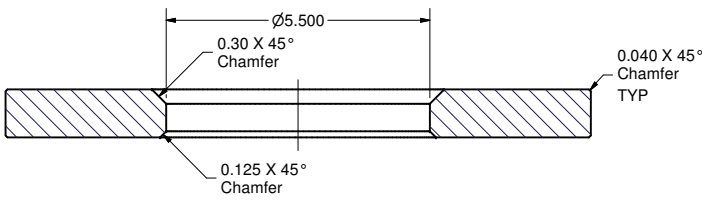
Release of final PO version for Meyer Tool - June 19, 2007.

7	SHEET 3	SUPPORT PLATE	1						
6	SHEET 3	SUPPORT BASE	1						
2	SHEET 2	SUPPORT PLATE WELDMENT	X						
ITEM	DWG. NO.	DESCRIPTION	QUANTITY	G1	G2	G3	REMARKS	REV.	
PRINT DISTR.	PLOT DATE: 11/29/2007 CAD FILE NAME: 7110-009.idw								
7110-009 SHEET 2 OF 12	CR1	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES: TOLERANCES ON: .0 ± .02 .00 ± .010 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES	CORNELL UNIVERSITY FLOYD R. NEWMAN LABORATORY Ithaca, NY 14853 ERL Horizontal Test Cryomodule HGRP Alignment Components SUPPORT PLATE WELDMENT DETAILS						
REV.	CHECKED BY: V.M. APPROVED BY: M.L.	DRAWN BY applin	DRAWN FOR V.M.	DATE 8/28/2006	SCALE D	7110-009 SHEET 2 OF 12	REV.		

REVISIONS				1
SYM.	ZONE	DESCRIPTION	DATE	APP.








7 SUPPORT PLATE
FILE NAME: 7110-009
SHEET NO.: 3
DFT. SCALE: 1 : 2
MATERIAL: 1" 304L STAINLESS STEEL SHEET
QTY: 1
NOTES:



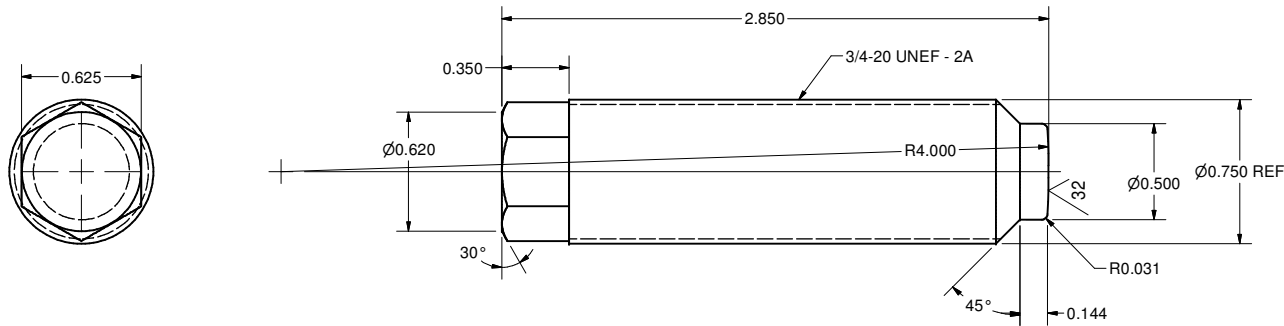
6 SUPPORT BASE
FILE NAME: 7110-009
SHEET NO.: 3
DFT. SCALE: 1/2
MATERIAL: 304L STAINLESS STEEL
QTY: 1
NOTES:

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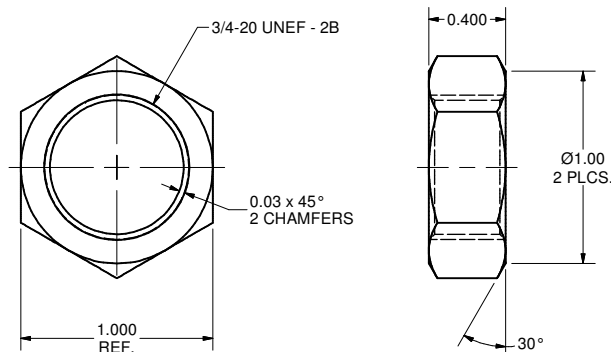
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OR EQUIVALENT APPROVED BY CORNELL LEPP

	ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.	
				QUANTITY					
	PRINT DISTR.	PLOT DATE: 11/29/2007 CAD FILE NAME: 7110-009.idw							
		CR1	<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 FLOYD R. NEWMAN LABORATORY ITHACA, NY 14853</div></div> <div>ERL Horizontal Test Cryomodule HGRP Alignment Components SUPPORT PLATE DETAILS</div>					
7110-009 SH. NO. 3 OF 12	REV.	CHECKED BY: V.M.	DRAWN BY applin	DRAWN FOR V.M.	DATE 8/28/2006	SCALE		7110-009 SH. NO. 3 OF 12	REV.
		APPROVED BY: M.L.							

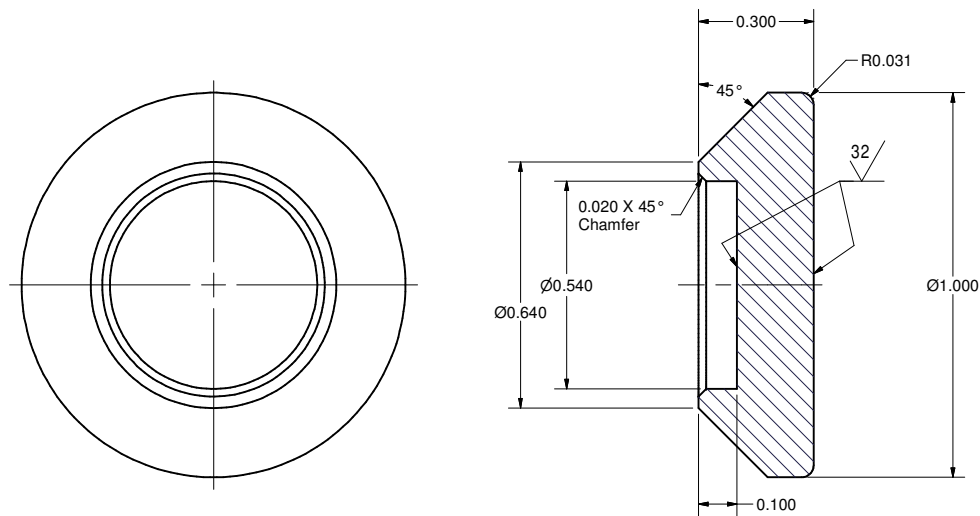
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A		CHANGED PTS.3, 4 + 5 QTYS. REQ'D TMK	11/29/07	TIO



3 VERTICAL ALIGNMENT SCREW
FILE NAME: 7110-009
SHEET NO.: 4
DFT. SCALE: 2 : 1
MATERIAL: 304L STAINLESS STEEL
QTY: 12 PER ERL INJECTOR
NOTES:



5 LOCK NUT
FILE NAME: 7110-009
SHEET NO.: 4
DFT. SCALE: 2 : 1
MATERIAL: 1" HEX BAR, 304L STAINLESS STEEL
QTY: 12 PER ERL INJECTOR
NOTES:



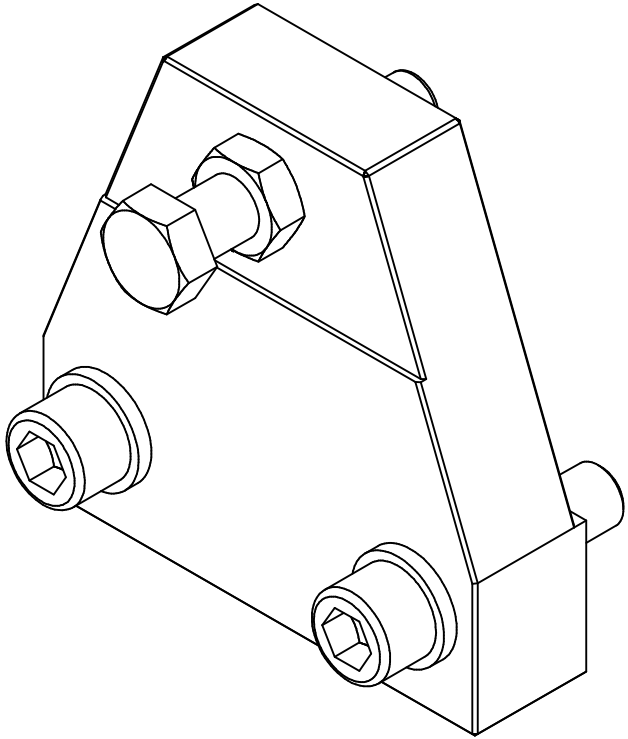
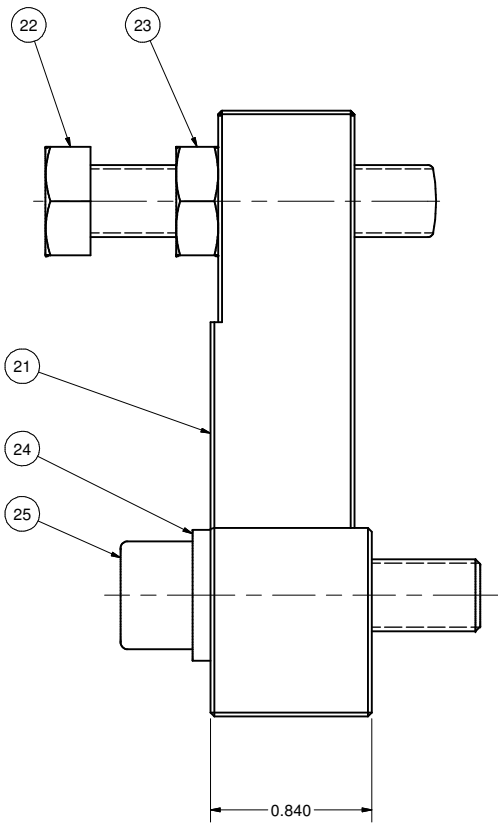
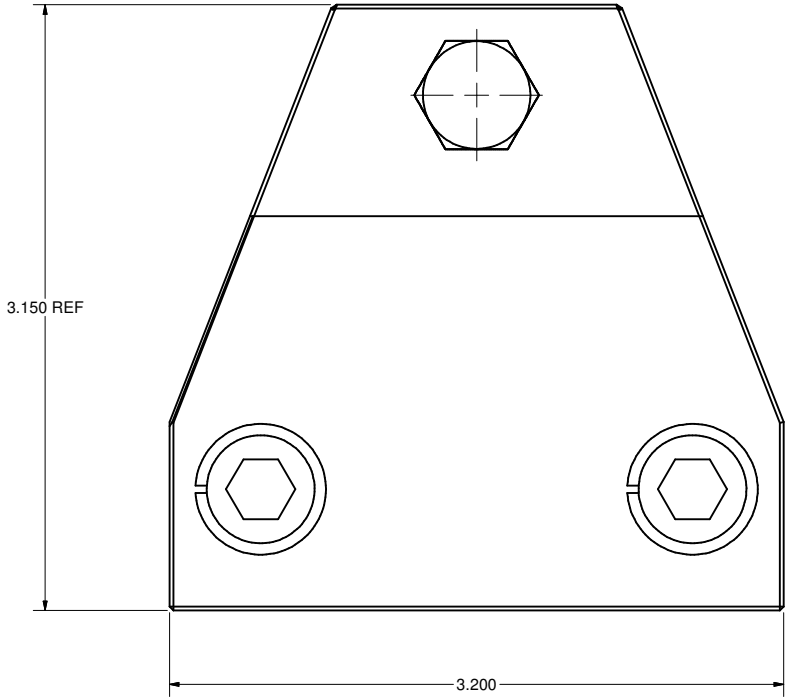
4 SCREW PAD
FILE NAME: 7110-009
SHEET NO.: 4
DFT. SCALE: 4 : 1
MATERIAL: AMPCO 18 (Aluminum Bronze)
QTY: 12 PER ERL INJECTOR
NOTES:

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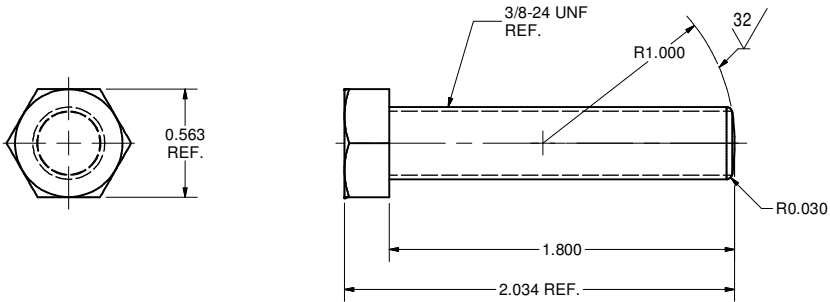
FOR MACHINING LUBRICANT USE ONLY
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OR EQUIVALENT APPROVED BY CORNELL LEPP

		ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS	REV.
					QUANTITY						
D		PRINT DATE: 11/29/2007 CAD FILE NAME: 7110-009.idw									
7110-009 SH. NO. 4 OF 12		CR1	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 Floyd R. Newman Laboratory Ithaca, NY 14853						
				ERL Horizontal Test Cryomodule HGRP Alignment Components ALIGNMENT SCREW DETAILS							
REV. A		CHECKED BY: V.M. APPROVED BY: M.L.		DRAWN BY applin		DRAWN FOR V.M.		DATE 8/28/2006		SCALE D	7110-009 SH. NO. 4 OF 12 REV. A

REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A		CHANGED PT.20 QTY. REQ'D. TMK	11/29/07	TIO






20 **PUSH BRACKET UNIT**
FILE NAME: 7110-009
SHEET NO.: 5
DFT. SCALE: 2 : 1
MATERIAL:
QTY: 18 PER ERL INJECTOR
NOTES:



22 **PUSH SCREW**
FILE NAME: 7110-009
SHEET NO.: 5
DFT. SCALE: 2 : 1
MATERIAL: SEE NOTE 1
QTY: 1
NOTES: 1. MAKE FROM 3/8-24 x 2 HEX HEAD CAP SCREW (FULLY THREADED);
MATERIAL: 18-8 ST. STEEL; McMASTER-CARR'S 92240A360 OR EQUIV.

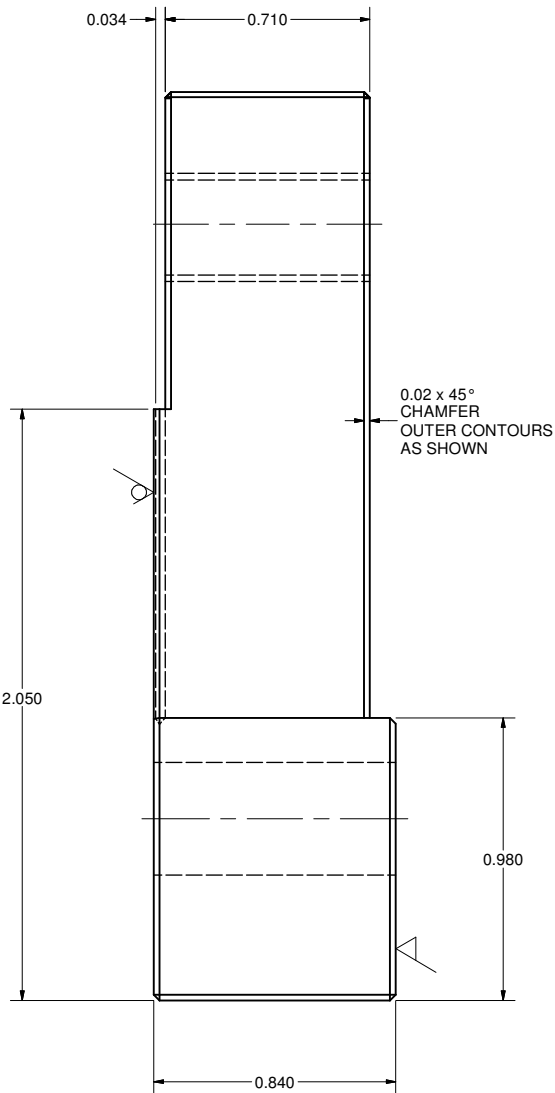
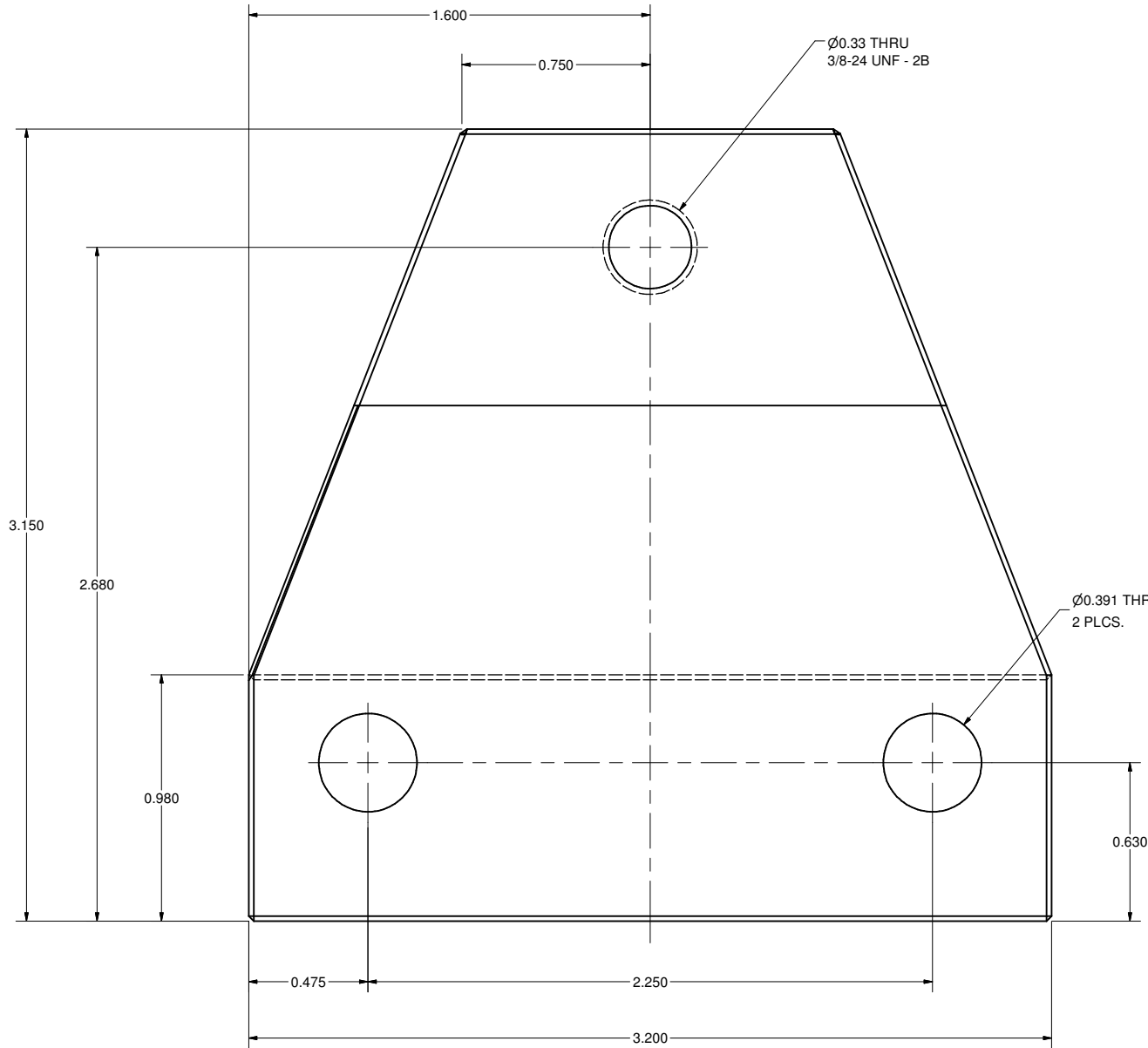
Release of final PO version for Meyer Tool - June 19, 2007.

25	PUR.	3/8-24 x 1-1/2 Sock. Hd. Cap Screw	2					
24	PUR.	3/8 Spring Lock Washer	2					
23	PUR.	3/8-24 JAM Hex Nut	1					
22	7110-009 (Sh. 5)	PUSH SCREW	1					
21	7110-009 (Sh. 6)	BRACKET	1					
20	7110-009 (Sh. 5)	PUSH BRACKET UNIT	X					

	ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.
				QUANTITY				
PRINT DISTR.	PLOT DATE: 11/29/2007 CAD FILE NAME: 7110-009.idw							
7110-009 SH. NO. 5 OF 12	CR1	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  LEPP LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853					
			ERL Horizontal Test Cryomodule HGRP Alignment Components PUSH BRACKET DETAILS					
A	REV.	CHECKED BY: V.M.	DRAWN BY applin	DRAWN FOR V.M.	DATE 8/28/2006	SCALE D	7110-009 SH. NO. 5 OF 12	REV. A
		APPROVED BY: M.L.						

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ALKALINE DETERGENT LUBRICANT CIMSTAR 40
OR EQUIVALENT APPROVED BY CORNELL LEPP





REVISIONS				1
SYM.	ZONE	DESCRIPTION	DATE	APP.



21 BRACKET

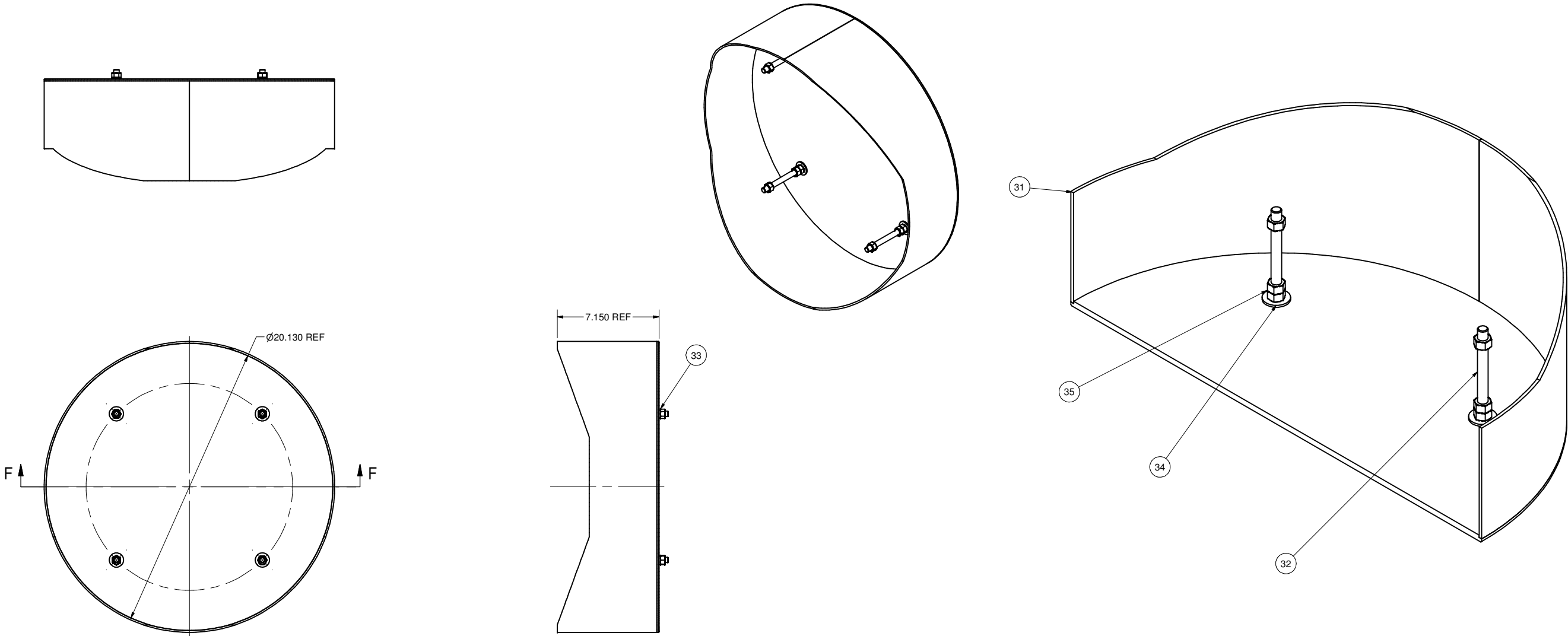
FILE NAME: 7110-009
SHEET NO.: 6
DFT. SCALE: 3 : 1
MATERIAL: 7/8" (or 1") 304L STAINLESS STEEL SHEET
QTY: 1
NOTES:

Release of final PO version for Meyer Tool - June 19, 2007.

		ITEM		DWG. NO.		DESCRIPTION			G1		G2		G3		REMARKS		REV.			
									QUANTITY											
		PRINT DISTR.		PLOT DATE: 11/29/2007 CAD FILE NAME: 7110-009.idw																
7110-009 SH. NO. 6 OF 12		CR1		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>ERL Horizontal Test Cryomodule HGRP Alignment Components BRACKET DETAIL</div>													
REV.		CHECKED BY: V.M.		DRAWN BY applin			DRAWN FOR V.M.			DATE 8/28/2006			SCALE D		7110-009 SH. NO. 6 OF 12		REV.			
		APPROVED BY: M.L.																		

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REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A		CHANGED PT.30 QTY. REQ'D.	11/29/07	TIO



30 COVER ASSEMBLY
FILE NAME: 7110-009
SHEET NO.: 7
DFT. SCALE: 1 : 4
MATERIAL:
QTY: 6 PER ERL INJECTOR
NOTES:

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35	PUR.	3/8-24 Hex Nut	16					
34	PUR.	3/8 Washer	4					
33	PUR.	3/8 Spring Lock Washer	4					
32	7110-009 (SH. 8)	THREADED ROD	4					
31	7110-009 (SH. 8)	COVER WELDMENT	1					
30	7110-009 (SH. 7)	COVER ASSEMBLY	X					
ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.	
			QUANTITY					



PRINT
DISTR.

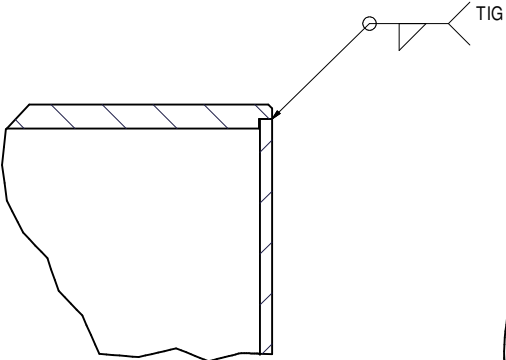
7110-009
SH. NO. 7 OF 12

REV.
A

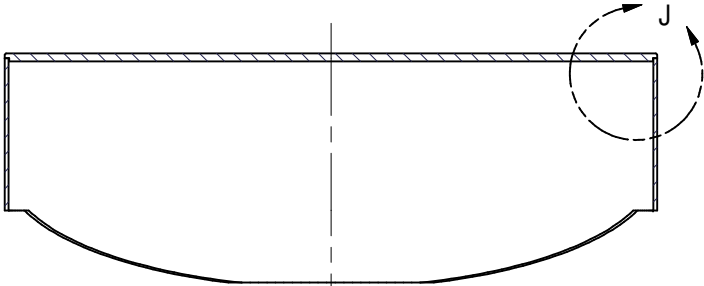
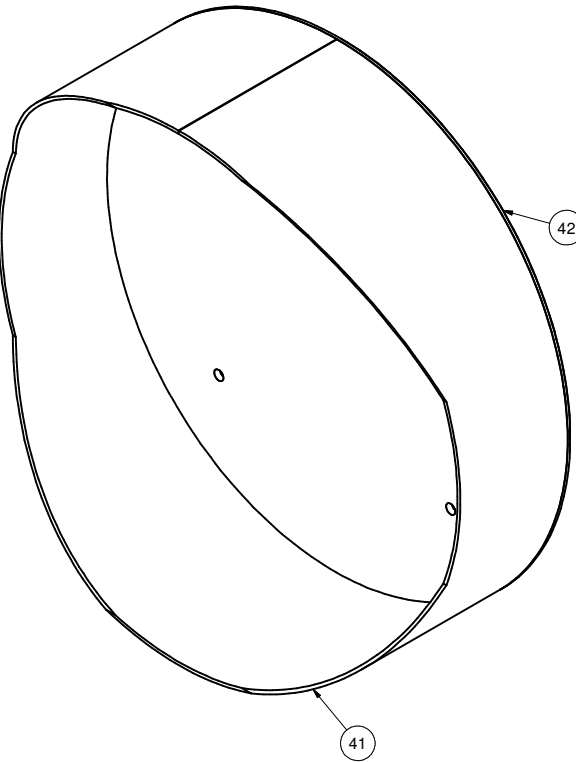
PLOT DATE: 11/29/2007 CAD FILE NAME: 7110-009.idw							
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES: TOLERANCES ON: .0 ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES 		 CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853 LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS		ERL Horizontal Test Cryomodule HGRP Alignment Components COVER UNIT ASSEMBLY DETAIL			
CHECKED BY: V.M.		DRAWN BY applin	DRAWN FOR V.M.	DATE 8/28/2006	SCALE D	7110-009 SH. NO. 7 OF 12	REV. A
APPROVED BY: M.L.							

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OR EQUIVALENT APPROVED BY CORNELL LEPP

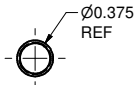
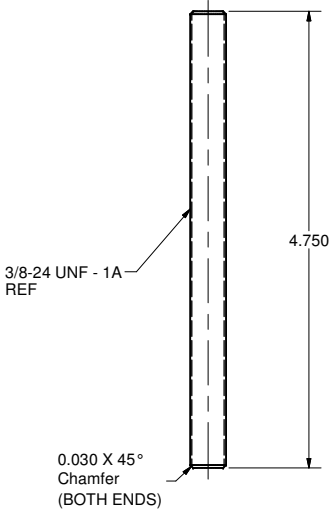
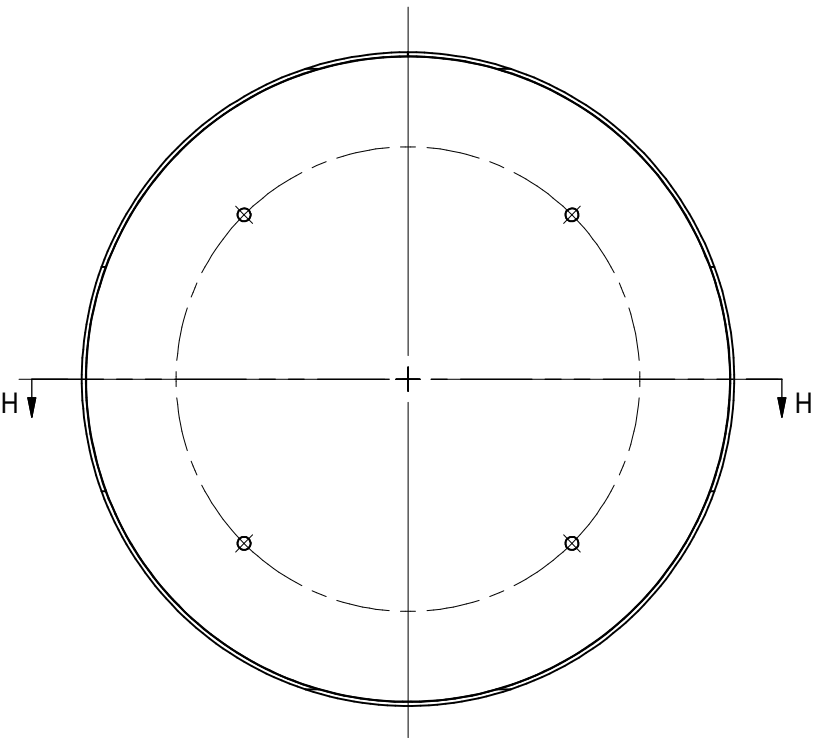
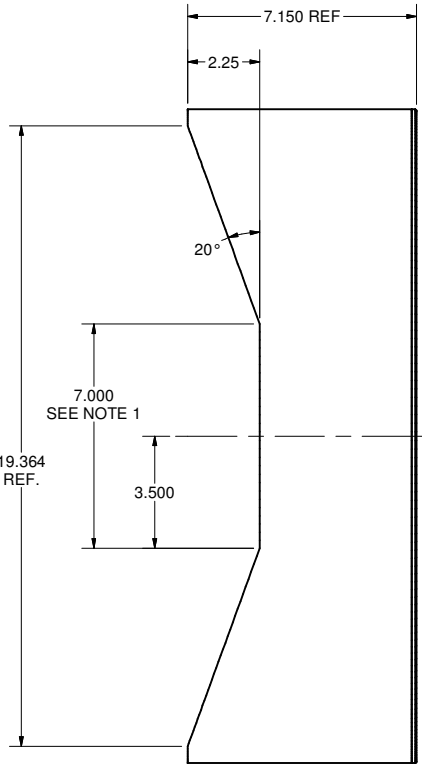
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.



DETAIL J
SCALE 1 : 1



SECTION H-H



32 THREADED ROD
FILE NAME: 7110-009
SHEET NO.: 8
DFT. SCALE: 1 : 1
MATERIAL: 3/8-24 304L STAINLESS STEEL THREADED ROD
QTY: 4
NOTES:

31 COVER WELDMENT
FILE NAME: 7110-009
SHEET NO.: 8
DFT. SCALE: 1 : 3
MATERIAL:
QTY: 1
NOTES: 1. MACHINE AFTER WELD

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42	7110-009 (SH 9)	DISK	1					
41	7110-009 (SH 9)	CYLINDER	1					
40	7110-009 (SH 8)	COVER WELDMENT	X					
			G1	G2	G3	REMARKS	REV.	
			QUANTITY					



PRINT
DISTR.

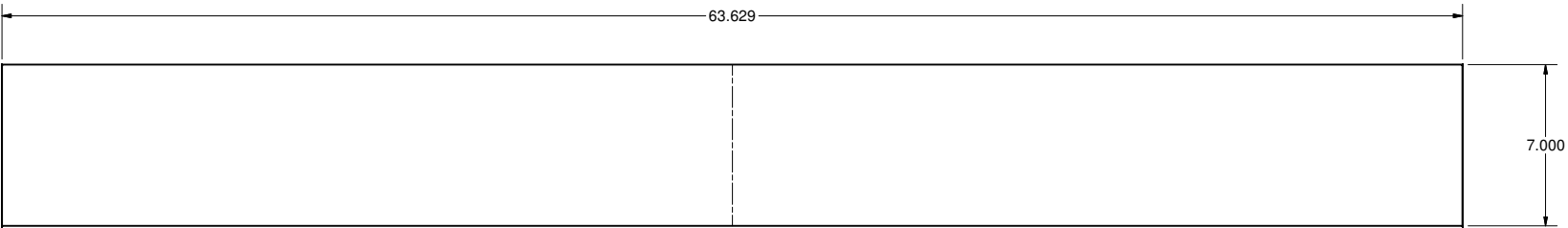
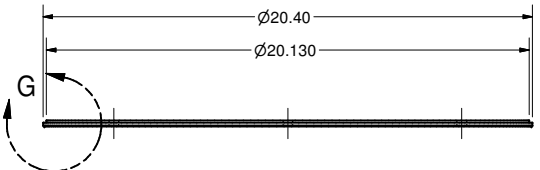
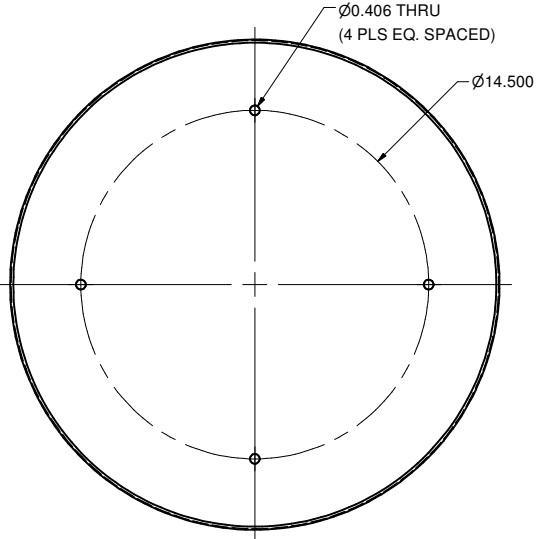
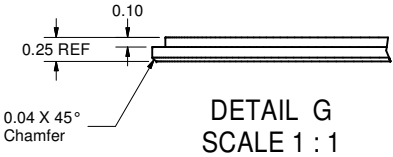
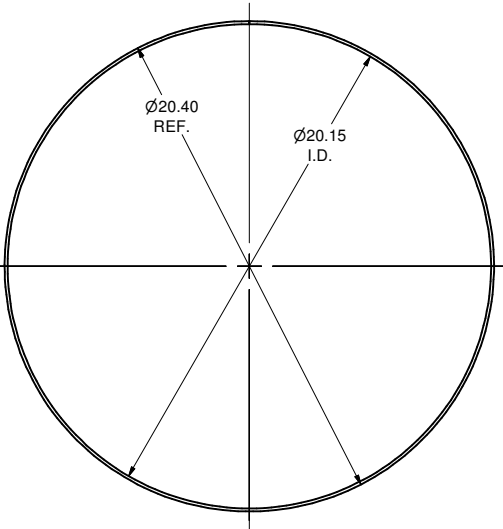
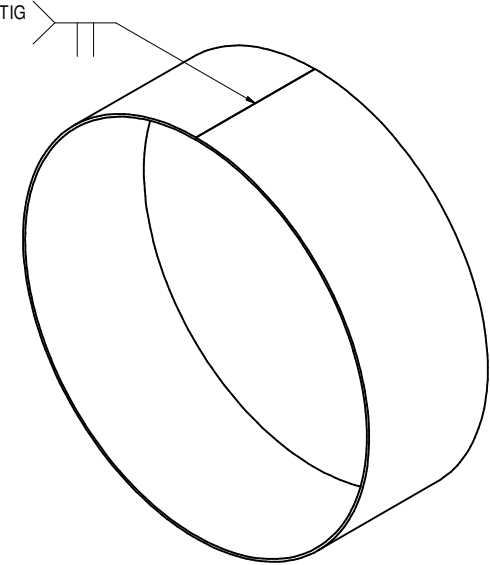
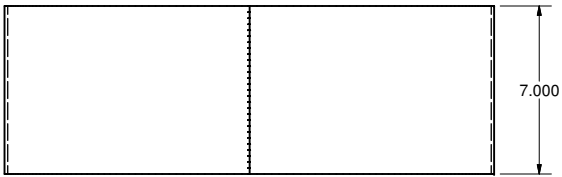
7110-009
SH. NO. 8
OF 12

REV.

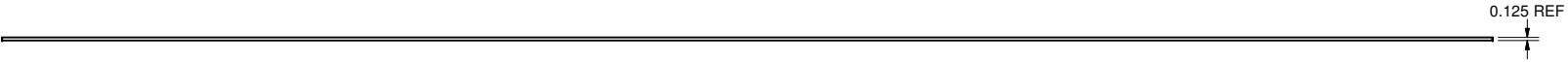
PLOT DATE: 11/29/2007 CAD FILE NAME: 7110-009.idw		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES: TOLERANCES ON: .0 ± .02 .00 ± .010 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES		CORNELL UNIVERSITY FLOYD R. NEWMAN LABORATORY ITHACA, NY 14853	
ERL Horizontal Test Cryomodule HGRP Alignment Components COVER WELDMENT & THREADED ROD DETAILS		DRAWN BY applin		DATE 8/28/2006	
CHECKED BY: V.M. APPROVED BY: M.L.		SCALE D		7110-009 SH. NO. 8 OF 12	

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REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.



FLAT PATTERN






41 CYLINDER
FILE NAME: 7110-009
SHEET NO.: 9
DFT. SCALE: 1 / 4
MATERIAL: 0.125 304L STAINLESS STEEL SHEET METAL
QTY: 1
NOTES:

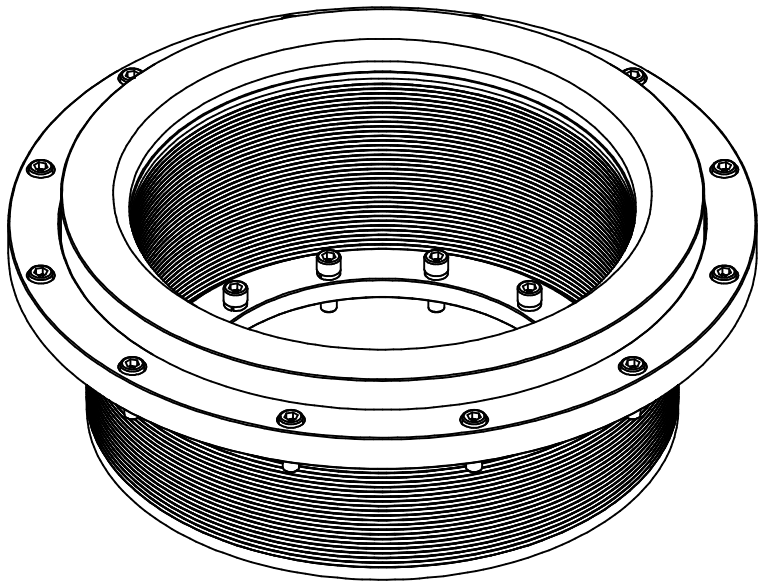
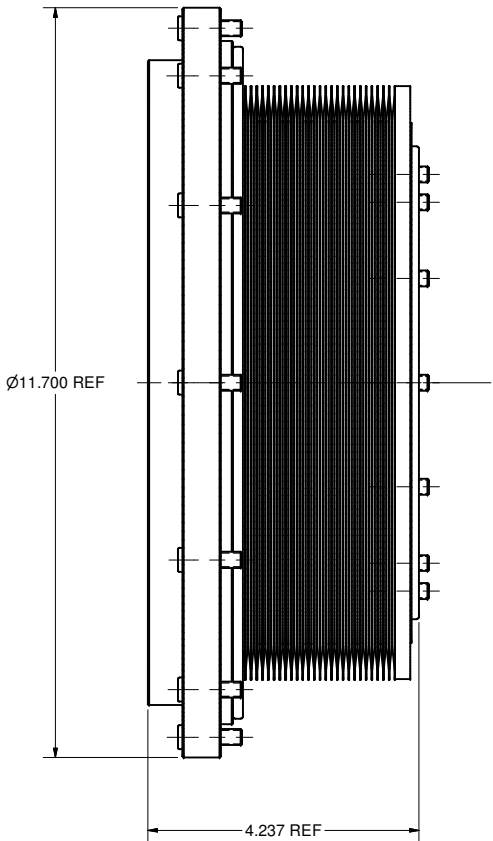
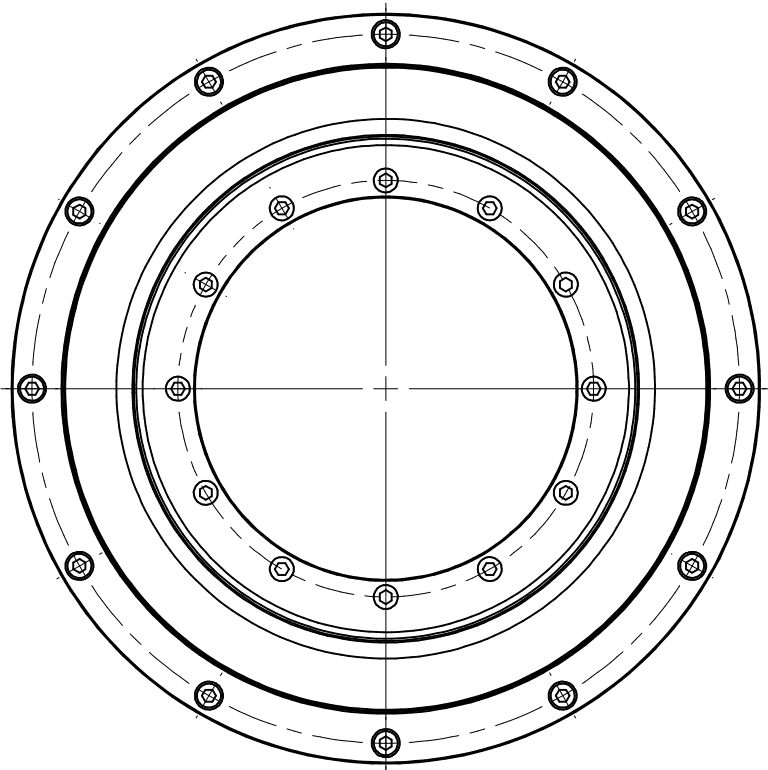
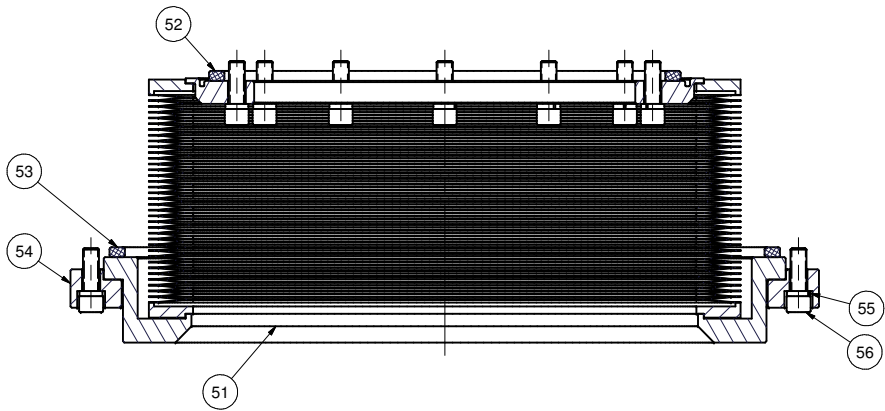
42 DISK
FILE NAME: 7110-009
SHEET NO.: 9
DFT. SCALE: 1 : 4
MATERIAL: 1/4" 304L STAINLESS STEEL SHEET
QTY: 1
NOTES:

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


	ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.
				QUANTITY				
PRINT DISTR.	PLOT DATE: 11/29/2007 CAD FILE NAME: 7110-009.idw							
7110-009 SH. NO. 9 OF 12	CR1	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 Floyd R. Newman Laboratory Ithaca, NY 14853					
	ERL Horizontal Test Cryomodule HGRP Alignment Components DISK & CYLINDER DETAILS							
	REV.	CHECKED BY: V.M. APPROVED BY: M.L.	DRAWN BY applin	DRAWN FOR V.M.	DATE 8/28/2006	SCALE D	7110-009 SH. NO. 9 OF 12	REV.

REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A		CHANGED PT.50 QTY. REQ'D.	11/29/07	TIO



Release of final PO version for Meyer Tool - June 19, 2007.

56	PUR.	1/4-28 x 3/4 Sock. Head Cap Screw	24			316 St. Steel	
55	PUR.	1/4" HI-COLLAR Spring Lock Washer	24			St. Steel	
54	7110-009 (SH 11)	BELLOWS UNIT ROTATABLE FLANGE	1				
53	PUR.	10" ID x 3/16" W (#377) O-RING	1			Viton or EPDM	
52	PUR.	7" ID x 3/16" W (#365) O-RING	1			Viton or EPDM	
51	7110-009 (SH 11)	BELLOWS SUB-ASSEMBLY	1				
50	7110-009 (SH 10)	POST SUPPORT BELLOWS UNIT	X				

	ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.	
				QUANTITY					
PRINT DISTR.	PLOT DATE: 11/29/2007 CAD FILE NAME: 7110-009.idw								
7110-009 SH. NO. 10 OF 12	CR1	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 Floyd R. Newman Laboratory Ithaca, NY 14853 ERL Horizontal Test Cryomodule HGRP Alignment Components POST SUPPORT BELLOWS UNIT ASSEMBLY						
			CHECKED BY: V.M.	DRAWN BY applin	DRAWN FOR V.M.	DATE 8/28/2006	SCALE D	7110-009 SH. NO. 10 OF 12	REV. A
			APPROVED BY: M.L.						

50 POST SUPPORT BELLOWS UNIT
FILE NAME: 7110-009
SHEET NO.: 10
DFT. SCALE: 1 : 1.5
MATERIAL:
QTY: 6 PER ERL INJECTOR
NOTES: 1. O-RINGS 52 AND 53 SHOWN SQUEEZED.

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ALKALINE DETERGENT LUBRICANT CIMSTAR 40
OR EQUIVALENT APPROVED BY CORNELL LEPP

REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A		304L SS was 316L SS for item #62. Switched balloon item numbers (60 & 62) in sub-ass #51	6/12/07	TIO



OPERATING CONDITIONS:
Temperature: Room (293 K)
Outside pressure: vacuum (1.0E-5 Torr)
Inside pressure: atmospheric
Stroke: ± 12 mm (± 0.47 inch)
Shift: ± 9.0 mm (± 0.35 inch)
Leak Rate: < 2.0E-8 Torr-l/sec.

DESIGN SPECIFICATION:
Burst pressure, External: 22.5 psi (1.5 bar)
Size:
O.D.: 235 mm (9.252 inch)
I.D.: 200 mm (7.874 inch)
Number of convolutions: 36
Free length, Per convolution: 3.3 mm (0.13 inch)
Per bellows: 130.8 mm (5.15 inch) - with cuffs
Minimum stroke: + 30.6 mm (1.20 inch), - 91.8 mm (3.61 inch)
Minimum lateral shift: ± 10.0 mm (± 0.39 inch)
Minimum cycle life: 10000

62 DN 200 WELDED BELLOWS
FILE NAME: 7110-009
SHEET NO.: 11
DFT. SCALE: 1:2
MATERIAL: 304L ST. STEEL
QTY: 1 PER ASSEMBLY
NOTES: 1. SEE TABLES FOR OPERATING CONDITIONS AND DESIGN SPEC.
2. BASED ON DN200 BELLOWS WITH TYPE R2 CUFFS FROM UHV DESIGN LTD,
AGENT IN USA: KURT J LESKER COMPANY

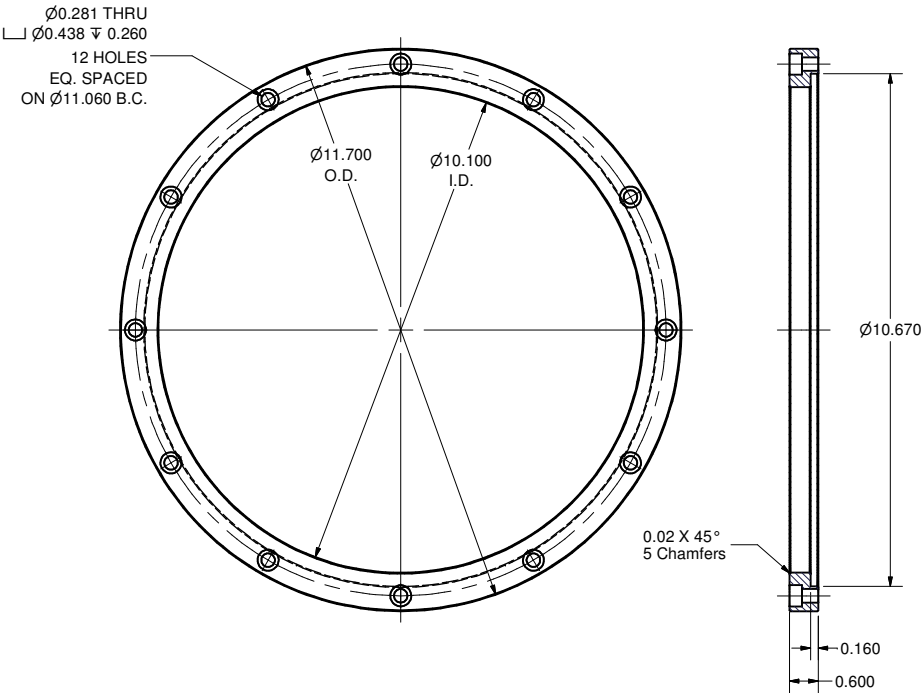
Release of final PO version for Meyer Tool - June 19, 2007.

62	7110-009 (Sh.11)	DN 200 WELDED BELLOWS	1				
61	7110-009 (Sh.12)	BOTTOM RING	1				
60	7110-009 (Sh.12)	TOP RING	1				
51	7110-009 (Sh.11)	BELLOWS SUB-ASSEMBLY	X				
ITEM	DWG. NO.	DESCRIPTION	QUANTITY	G1	G2	G3	REMARKS
							REV.

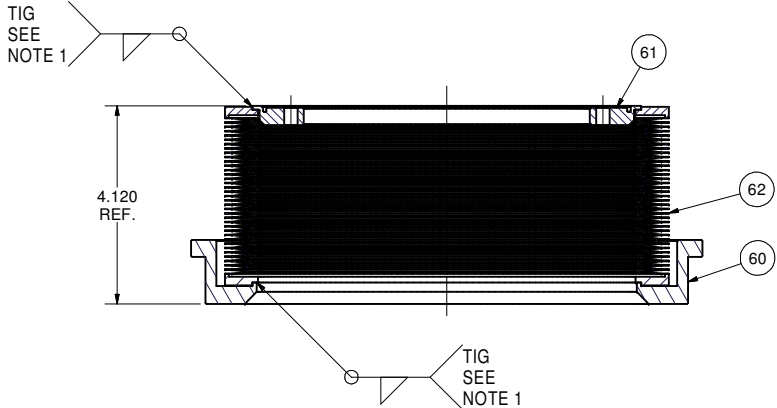
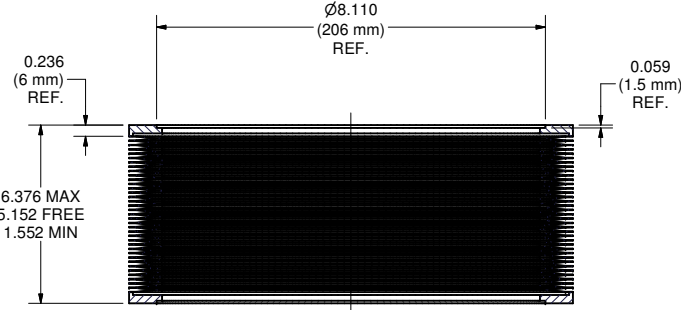
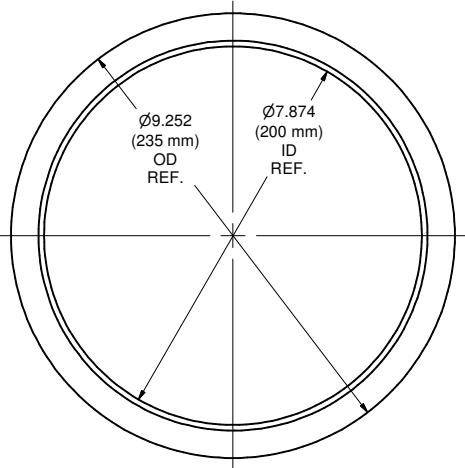
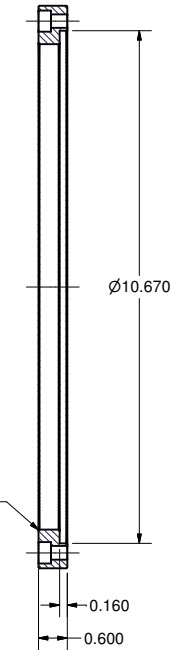
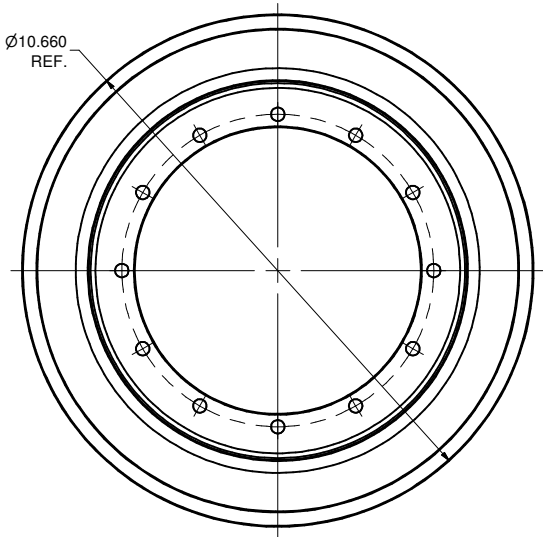
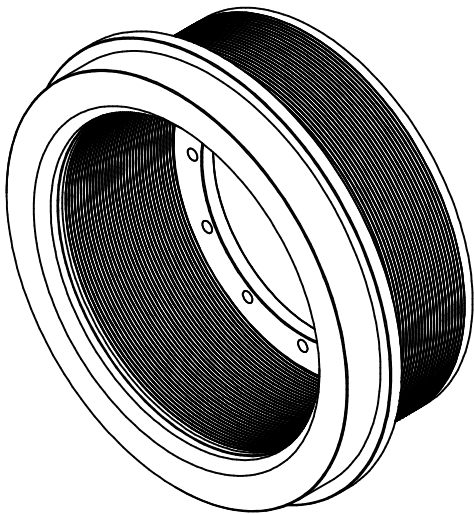
D	PRINT DISTR.	PLOT DATE: 11/29/2007 CAD FILE NAME: 7110-009.idw										
		CR1	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES: TOLERANCES ON: .0 ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES 		<div> LEPP</div> <div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div>							
7110-009 SH. NO. 11 OF 12			ERL Horizontal Test Cryomodule HGRP Alignment Components BELLOWS SUB-ASSEMBLY DETAILS									
REV. A		CHECKED BY: V.M.		DRAWN BY applin	DRAWN FOR V.M.	DATE 8/28/2006	SCALE D	7110-009 SH. NO. 11 OF 12	REV. A			
		APPROVED BY: M.L.										

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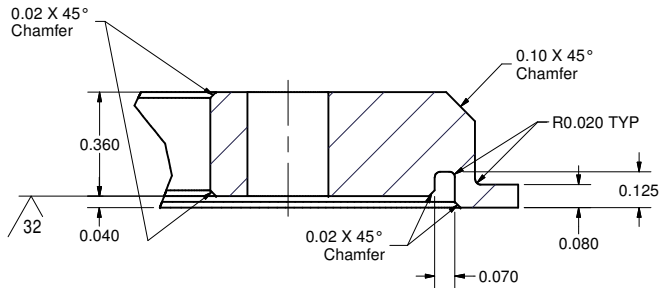
54 BELLOWS UNIT ROTATABLE FLANGE
FILE NAME: 7110-009
SHEET NO.: 11
DFT. SCALE: 1:2
MATERIAL: 304L ST. STEEL
QTY: 1 PER ASSEMBLY
NOTES:



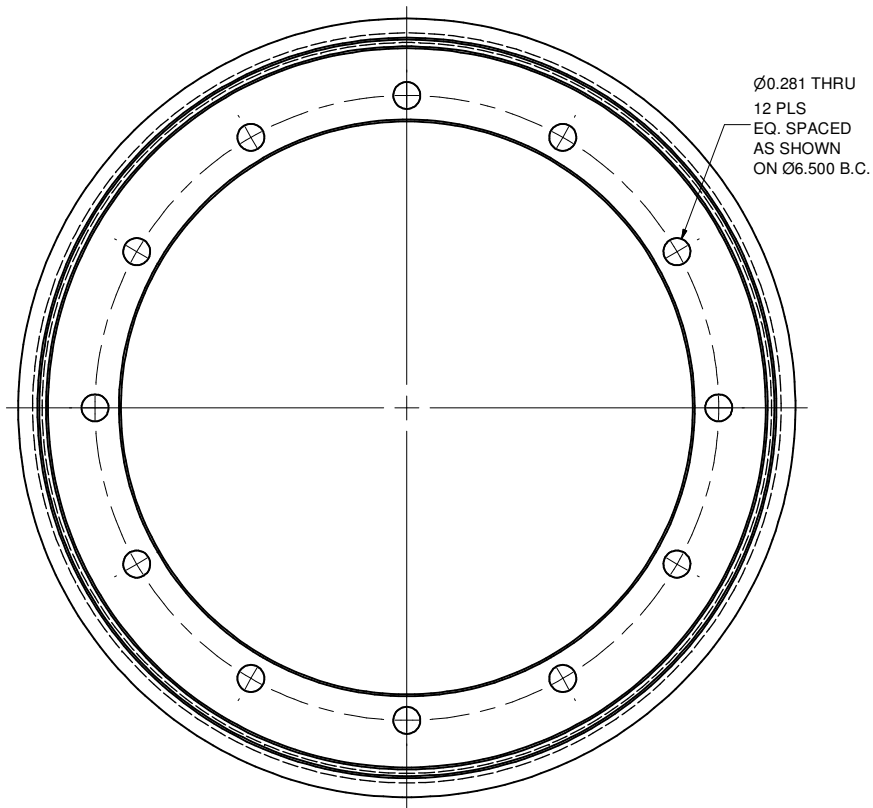
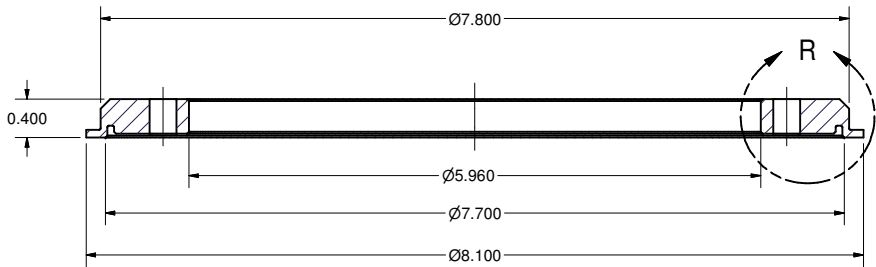
51 BELLOWS SUB-ASSEMBLY
FILE NAME: 7110-009
SHEET NO.: 11
DFT. SCALE: 1:2
MATERIAL: 304L ST. STEEL
QTY: 1 PER ASSEMBLY
NOTES: 1. WELDS TO CONFORM TO HV SPEC.



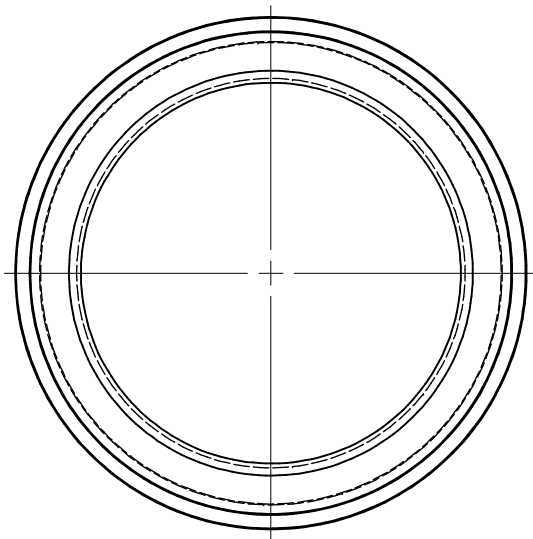
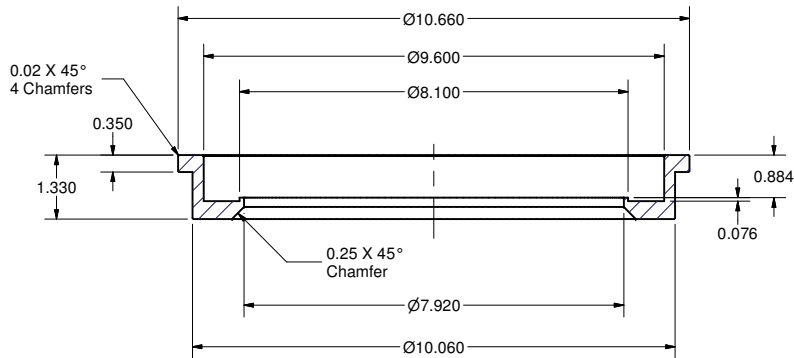
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A	A7, C3	304L SS was 316L SS, items #60 & #61	6/12/07	TIO



DETAIL R
SCALE 3 : 1








61 BOTTOM RING
FILE NAME: 7110-009
SHEET NO.: 12
DFT. SCALE: 1 : 1
MATERIAL: 304L STAINLESS STEEL
QTY: 1
NOTES:



60 TOP RING
FILE NAME: 7110-009
SHEET NO.: 12
DFT. SCALE: 1:2
MATERIAL: 304L STAINLESS STEEL
QTY: 1
NOTES:

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	ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS	REV.
							QUANTITY			
	PRINT DISTR.	PLOT DATE: 11/29/2007 CAD FILE NAME: 7110-009.idw								
		SH. NO. 12 OF 12	7110-009	CR1	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</div><div> LEPP</div><div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div></div> <div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div>										
	REV. A	ERL Horizontal Test Cryomodule HGRP Alignment Components TOP AND BOTTOM RING DETAILS								
		CHECKED BY: V.M. APPROVED BY: M.L.			DRAWN BY applin	DRAWN FOR V.M.	DATE 8/28/2006	SCALE D	7110-009 SH. NO. 12 OF 12	REV. A