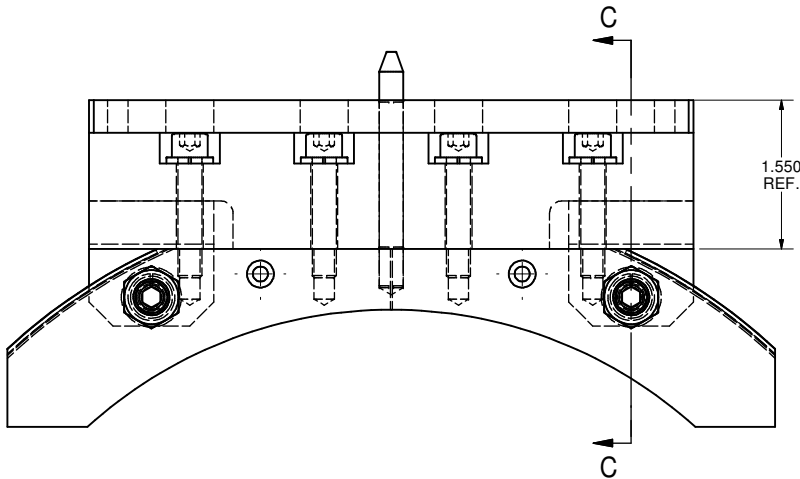
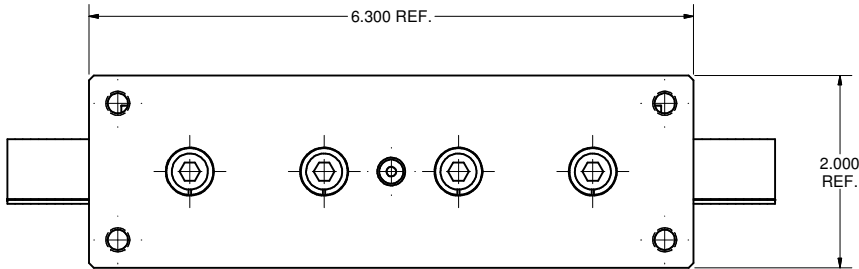
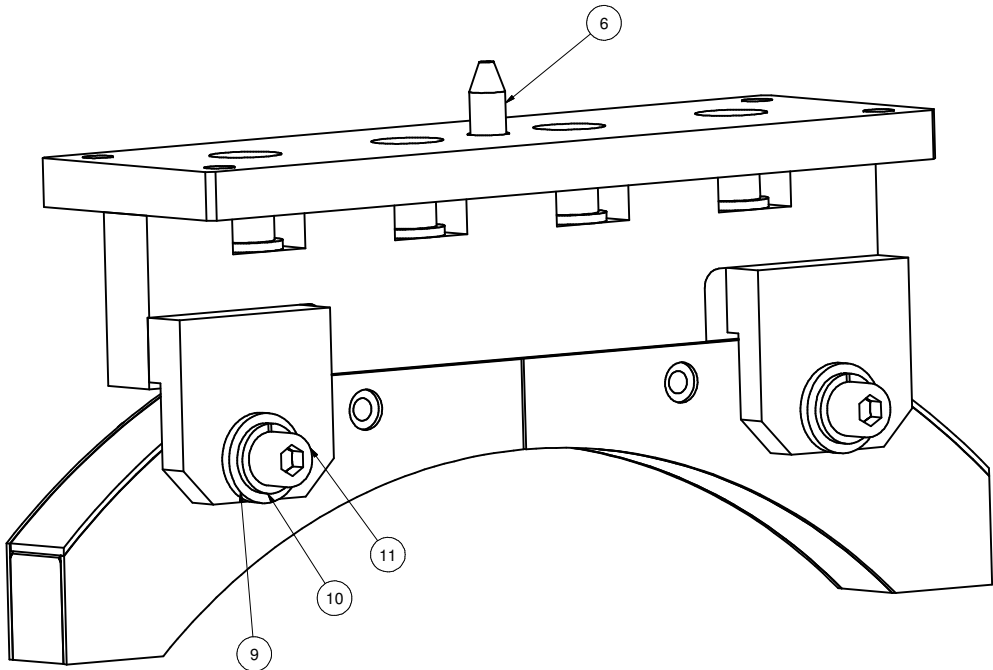
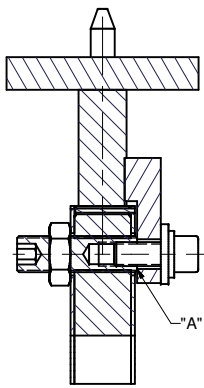
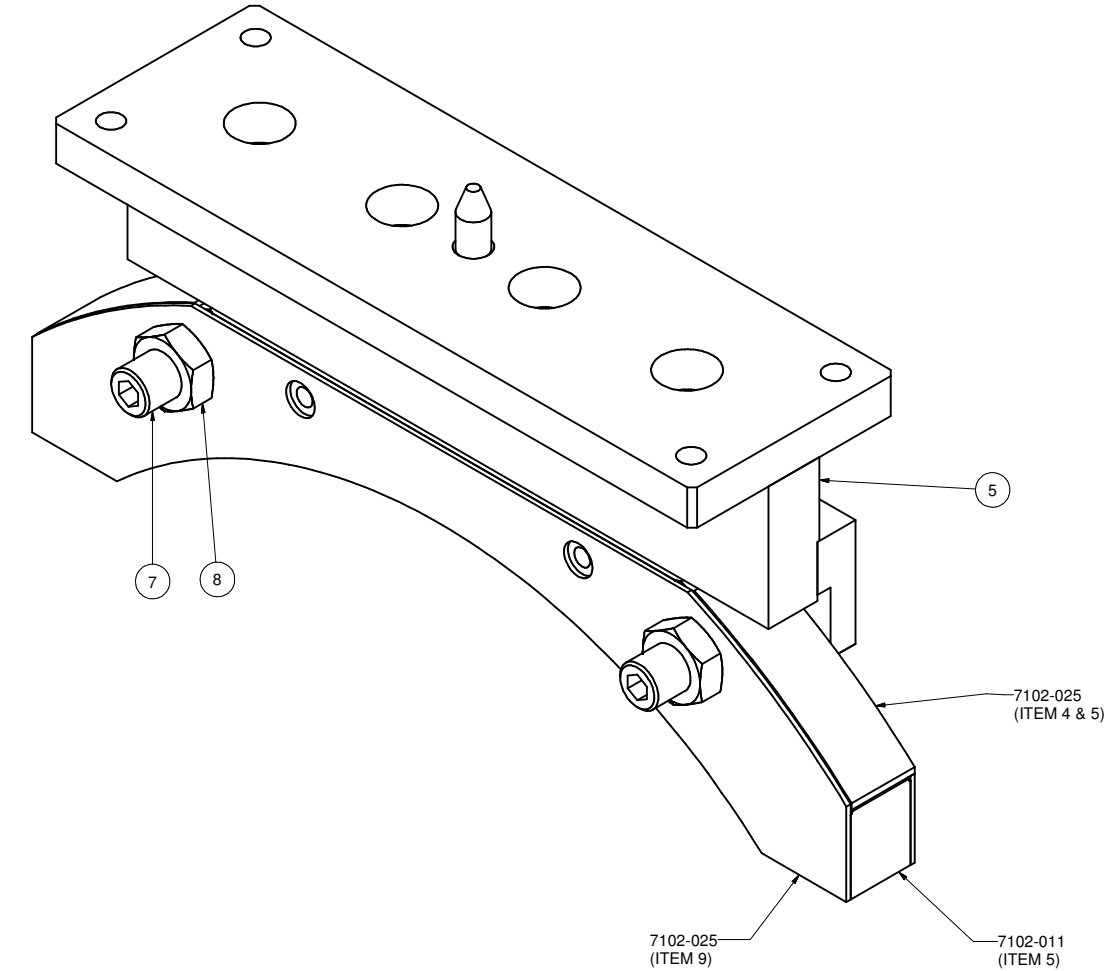


REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.






**1 CAVITY FRONT SUPPORT ASSEMBLY**  
FILE NAME: 7102-032  
SHEET NO.: 1  
DFT. SCALE: 1:1  
MATERIAL:  
QTY: 1  
NOTES: 1. SCREW ITEM 7 IN UNTIL IT TOUCHES ITEM'S 5 BRACKET AT POINT "A", THEN LOCK IT WITH ITEM 8. SECURE ITEM 5 WITH ITEMS 9, 10, 11.



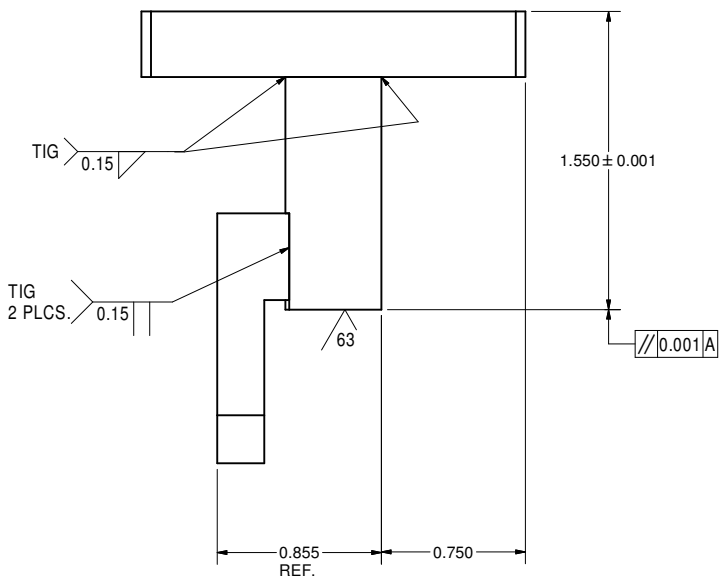
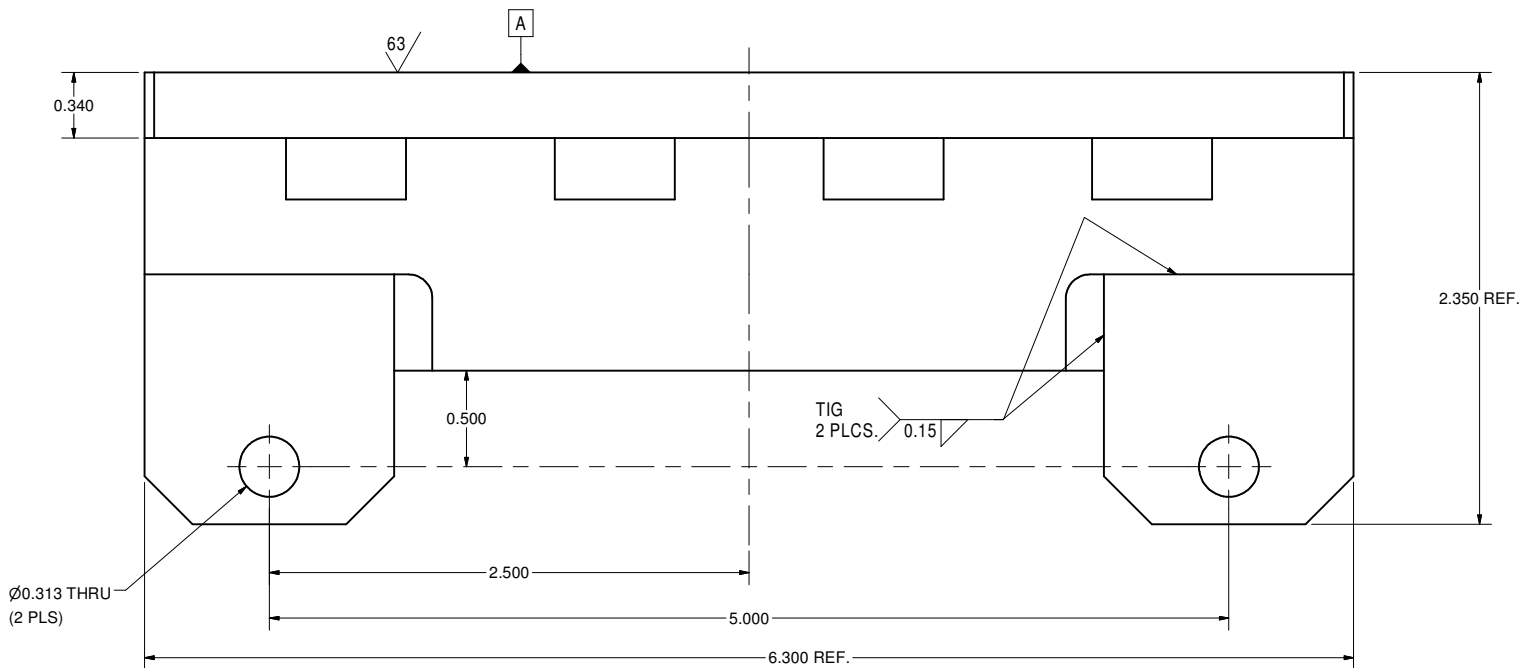
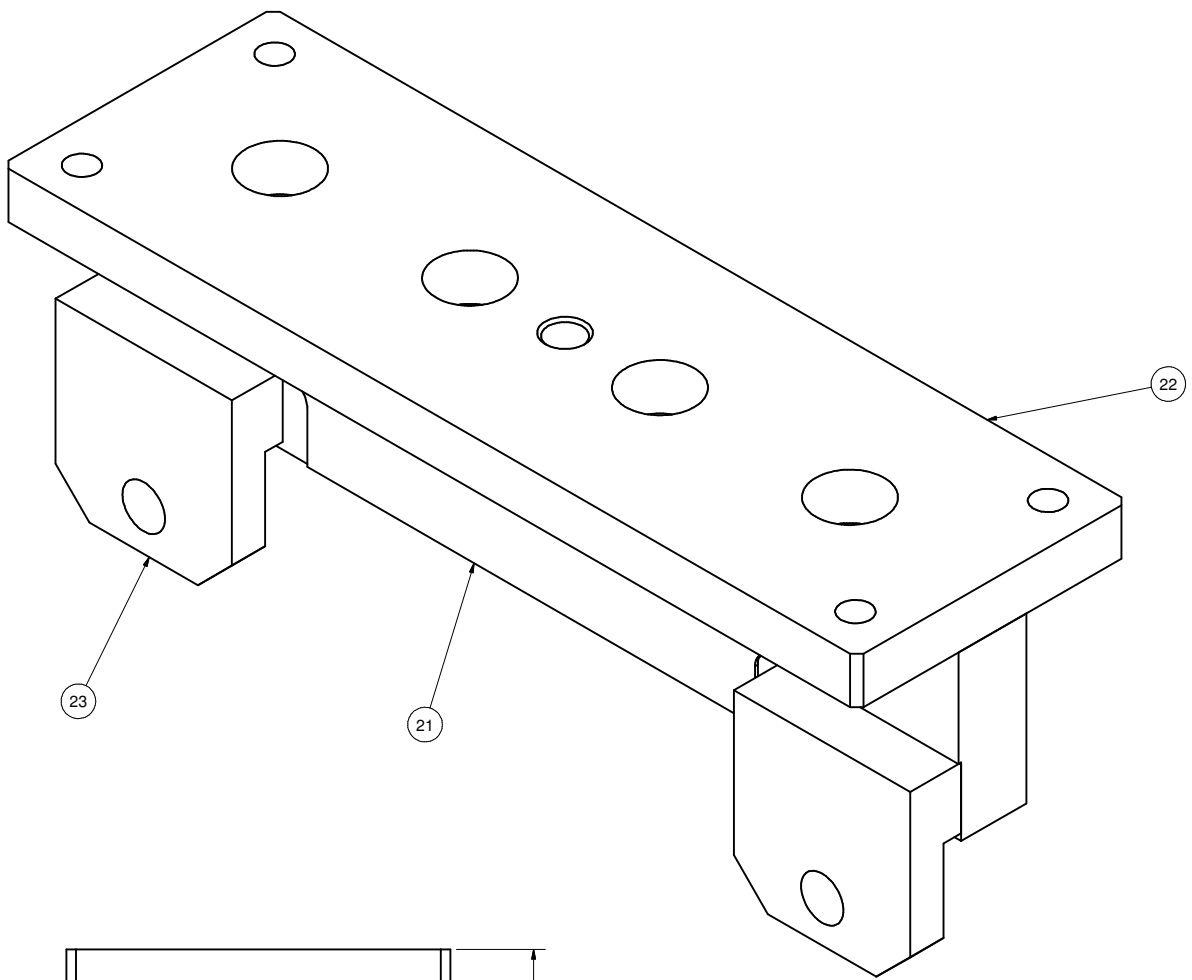
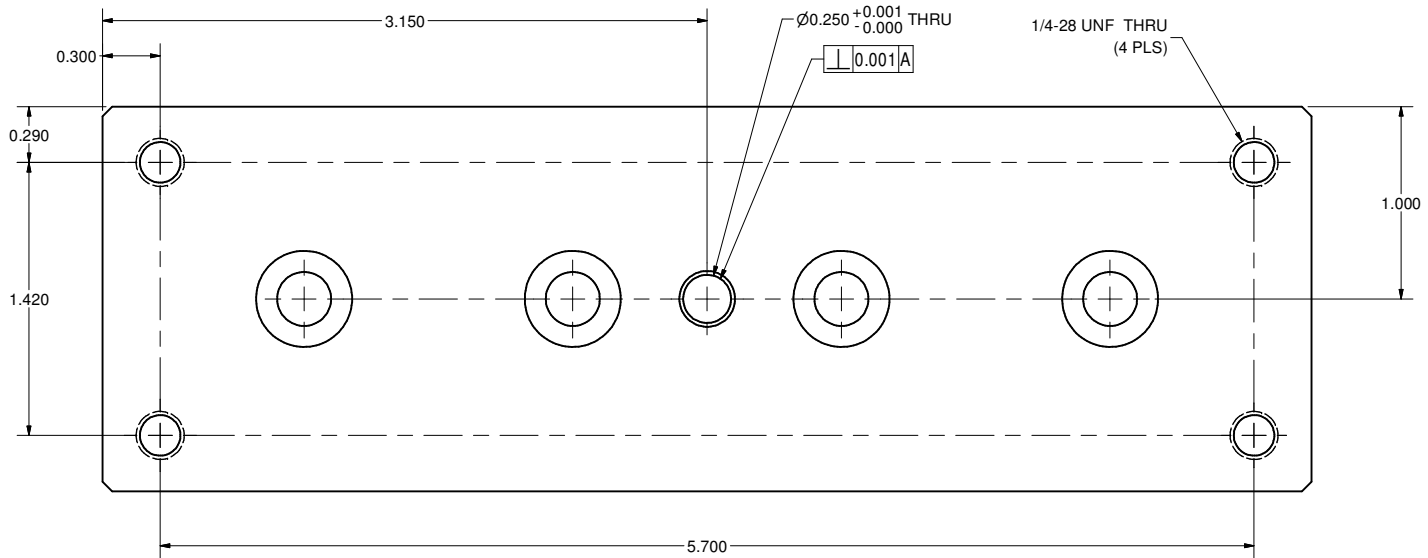
SECTION C-C

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

12	-	1/4-28 x 1.25 Socket Head Cap Screw	4			316 St. Steel	
11	-	1/4-28 x 0.625 Sock. Hd. Cap Screw	2			316 St. Steel	
10	-	1/4 Spring Lock Washer	6			316 St. Steel	
9	-	1/4 Flat Washer	2			316 St. Steel	
8	-	3/8-24 Hex Jam Nut	2			316 St. Steel	
7	SHEET 3	SET SCREW, MODIFIED	2				
6	SHEET 3	FRONT SUPPORT PIN	1				
5	SHEET 2	2 CELL CAVITY FRONT SUPPORT ASSY	1				
1	SHEET 1	CAVITY FRONT SUPPORT ASSEMBLY	X				

	ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.
				QUANTITY				
PRINT DISTR.	PLOT DATE: 1/8/2008 CAD FILE NAME: 7102-032.idw							
7102-032 SH. NO. 1 OF 7	CR1	UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES:  TOLERANCES ON: .0 ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES 	 <b>LEPP</b> LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS		CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853			
	ERL INJECTOR CRYOMODULE 2-CELL CAVITY FRONT AND BACK SUPPORTS 2-CELL CAVITY FRONT & BACK SUPPORT ASSEMBLY DETAIL							
	CHECKED BY: VM	DRAWN BY applin	DRAWN FOR vm	DATE 8/1/2006	SCALE	D	7102-032	
	APPROVED BY: ML						SH. NO. 1 OF 7	REV.

REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.






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

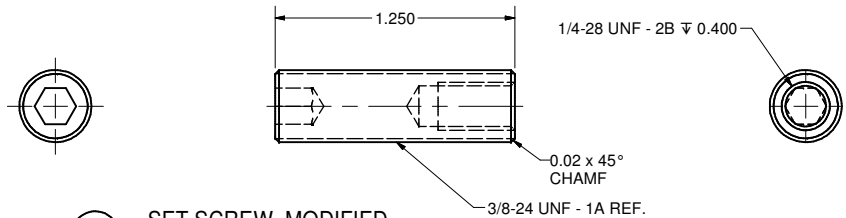
SCALE 2 : 1

5 2 CELL CAVITY FRONT SUPPORT ASSY.  
FILE NAME: 7102-032  
SHEET NO.: 2  
DFT. SCALE: 2:1  
MATERIAL:  
QTY: 1  
NOTES:

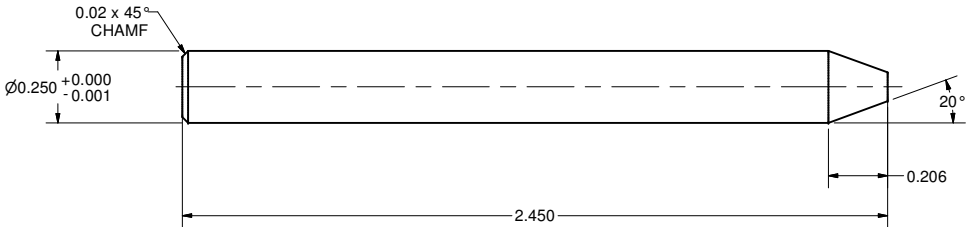
23	SHEET 3	BRACKET	2					
22	SHEET 3	TOP PLATE	1					
21	SHEET 3	MAIN PLATE	1					
5	SHEET 2	2 CELL CAVITY FRONT SUPPORT ASSY.	X					

	ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.
				QUANTITY				
PRINT DISTR.	PLOT DATE: 1/8/2008 CAD FILE NAME: 7102-032.idw							
7102-032 SH. NO. 2 OF 7	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>CORNELL UNIVERSITY  CORNELL UNIVERSITY LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS Floyd R. Newman Laboratory Ithaca, NY 14853</div>					
			ERL INJECTOR CRYOMODULE 2-CELL CAVITY FRONT AND BACK SUPPORTS 2 CELL CAVITY FRONT SUPPORT DETAIL					
			CHECKED BY: VM	DRAWN BY applin	DRAWN FOR vm	DATE 8/1/2006	SCALE	
REV.	APPROVED BY: ML							

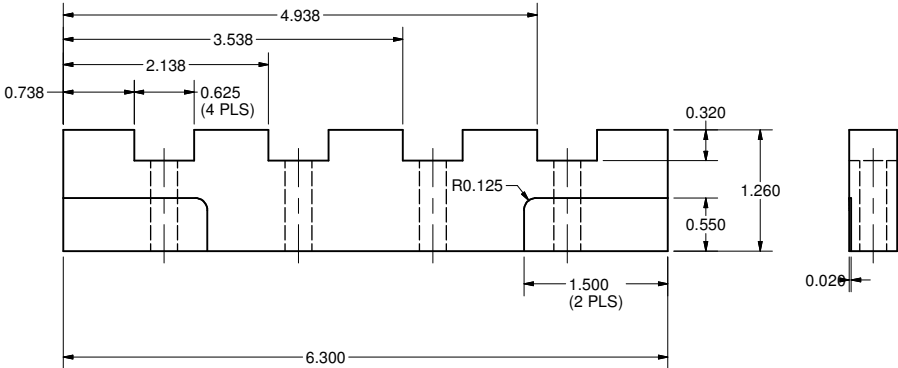
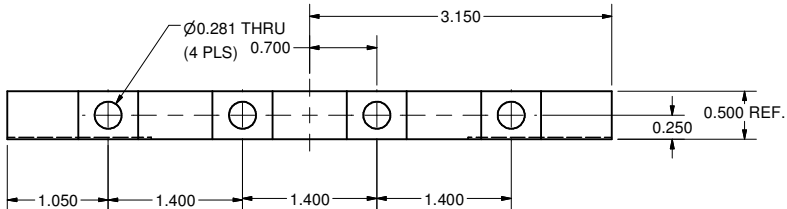
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.
A	E8	CHANGED QTY REQ'D FOR PT.7 TMK	1/8/08	TIO



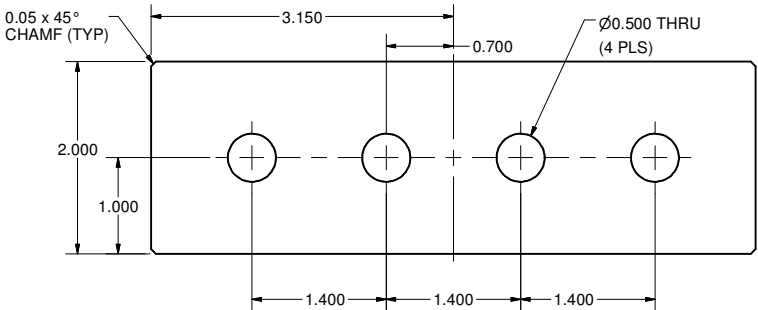
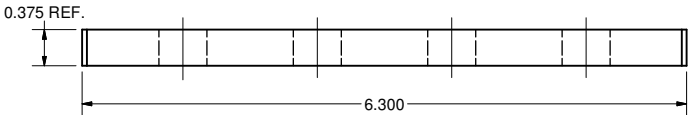
**7 SET SCREW, MODIFIED**  
FILE NAME: 7102-032  
SHEET NO.: 3  
DFT. SCALE: 2:1  
MATERIAL: 316, ST. STEEL  
QTY: 2 PER ASM  
NOTES: MODIFICATION OF 3/8-24 x 1 1/2 SET SCREW



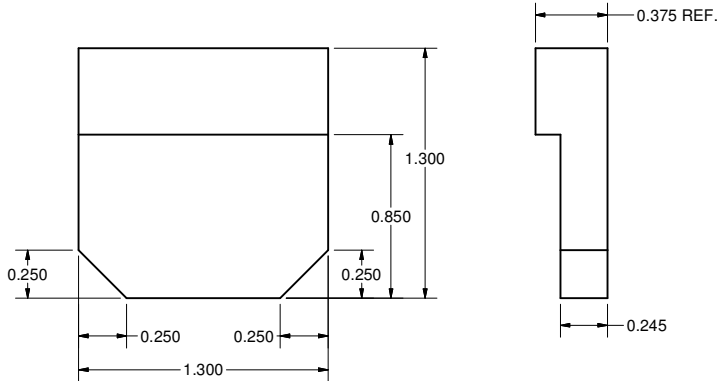
**6 FRONT SUPPORT PIN**  
FILE NAME: 7102-032  
SHEET NO.: 3  
DFT. SCALE: 3:1  
MATERIAL: TITANIUM, GRADE 2  
QTY: 1  
NOTES:



**21 MAIN PLATE**  
FILE NAME: 7102-032  
SHEET NO.: 3  
DFT. SCALE: 1:1  
MATERIAL: 1/2" GRADE 2 TITANIUM SHEET  
QTY: 1  
NOTES:






**22 TOP PLATE**  
FILE NAME: 7102-032  
SHEET NO.: 3  
DFT. SCALE: 1:1  
MATERIAL: 3/8" GRADE 2 TITANIUM SHEET  
QTY: 1  
NOTES:

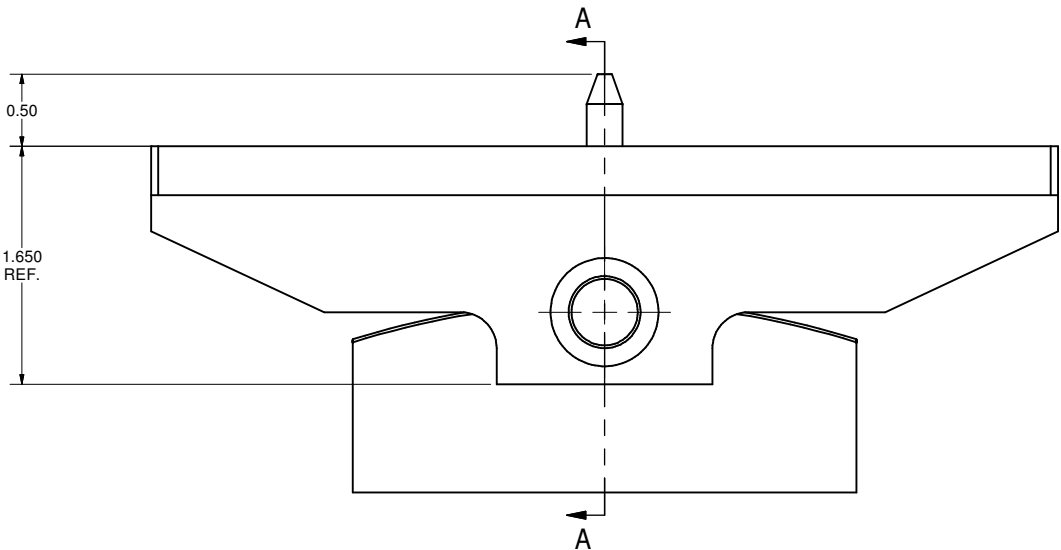
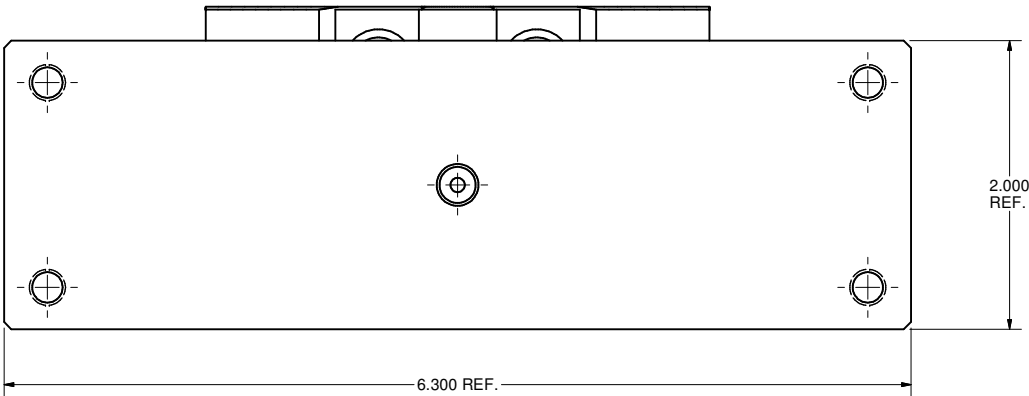
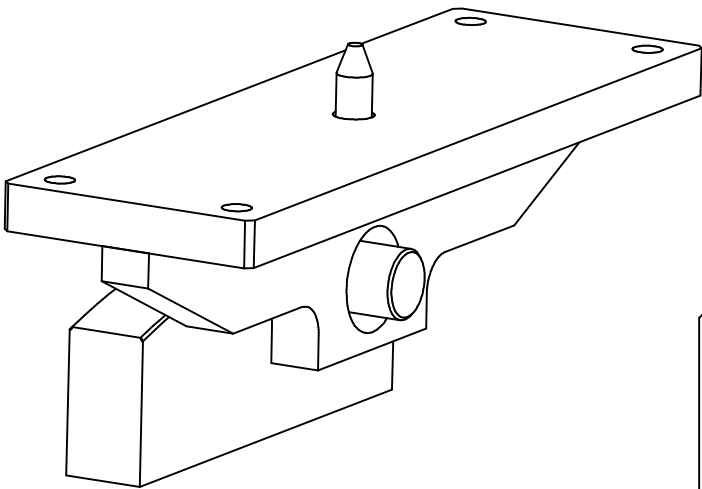


**23 BRACKET**  
FILE NAME: 7102-032  
SHEET NO.: 3  
DFT. SCALE: 2:1  
MATERIAL: 3/8" GRADE 2 TITANIUM SHEET  
QTY: 2  
NOTES:

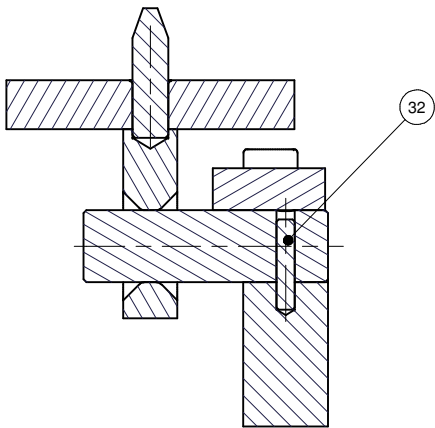
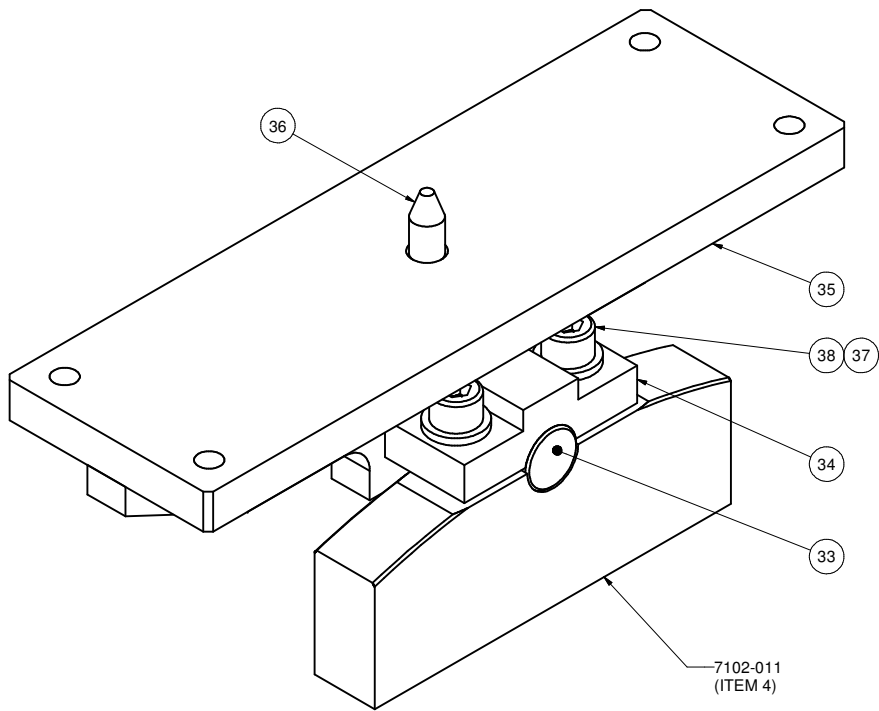
Release of final PO version for Meyer Tool - June 19, 2007.

	ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS	REV.
							QUANTITY			
D	PRINT DISTR.	PLOT DATE: 1/8/2008 CAD FILE NAME: 7102-032.idw								
SH. NO. 3 7102-032 OF 7	CR1	UNLESS OTHERWISE SPECIFIED:		<div>CORNELL UNIVERSITY  CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div>						
		DIMENSIONS ARE IN INCHES;								
		TOLERANCES ON:		ERL INJECTOR CRYOMODULE 2-CELL CAVITY FRONT AND BACK SUPPORTS 2 CELL CAVITY FRONT SUPPORT w/ PIN & SET SCREW DETAILS						
		.0 ± .02								
		.00 ± .010								
.000 ± .005										
FRACTIONS ± 1/32										
ANGLES ± 0.5°										
ALL SURFACES 										
REV.	CHECKED BY: VM		DRAWN BY	DRAWN FOR	DATE	SCALE	D	7102-032	REV.	
	APPROVED BY: ML		applin	vm	8/1/2006					
								SH. NO. 3 OF 7		

REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.






30 CAVITY BACK SUPPORT ASSEMBLY  
FILE NAME: 7102-032  
SHEET NO.: 4  
DFT. SCALE: 1.5:1  
MATERIAL:  
QTY: 1  
NOTES:



SECTION A-A

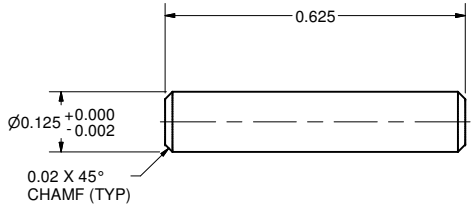
Release of final PO version for Meyer Tool - June 19, 2007.

38	-	1/4-28 x 0.75 Socket Head Cap Screw	2			316 St. Steel	
37	-	1/4 Spring Lock Washer	2			316 St. Steel	
36	SHEET 5	BACK SUPPORT PIN	1				
35	SHEET 6	2 CELL CAVITY BACK SUPPORT ASSY	1				
34	SHEET 5	BACK CLAMP	1				
33	SHEET 5	SHAFT	1				
32	SHEET 5	BACK PIN	1				
30	SHEET 4	CAVITY BACK SUPPORT ASSEMBLY	X				

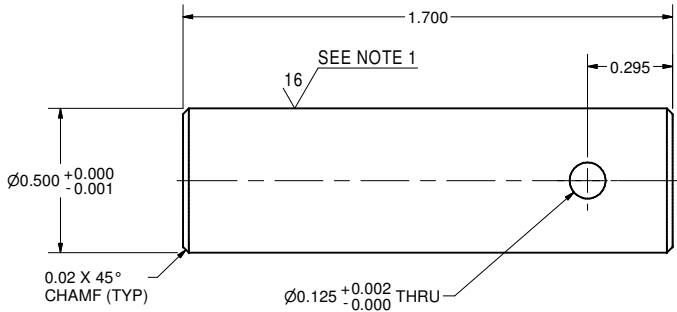
	ITEM	DWG. NO.	DESCRIPTION	G1 G2 G3			REMARKS	REV.	
				QUANTITY					
 D	PRINT DISTR.	PLOT DATE: 1/8/2008 CAD FILE NAME: 7102-032.idw							
	CR1	UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES: TOLERANCES ON: .0 ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES ✓	CORNELL UNIVERSITY  CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853  ERL INJECTOR CRYOMODULE 2-CELL CAVITY FRONT AND BACK SUPPORTS CAVITY BACK SUPPORT ASSEMBLY						
			CHECKED BY: VM	DRAWN BY applin	DRAWN FOR vm	DATE 8/1/2006	SCALE D	7102-032 SH. NO. 4 OF 7	REV.
			APPROVED BY: ML						

REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.

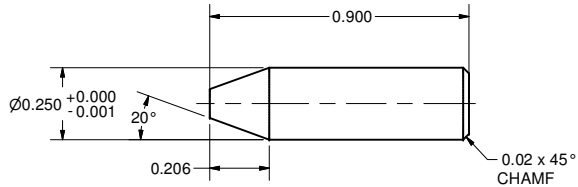
SCALE 5 : 1



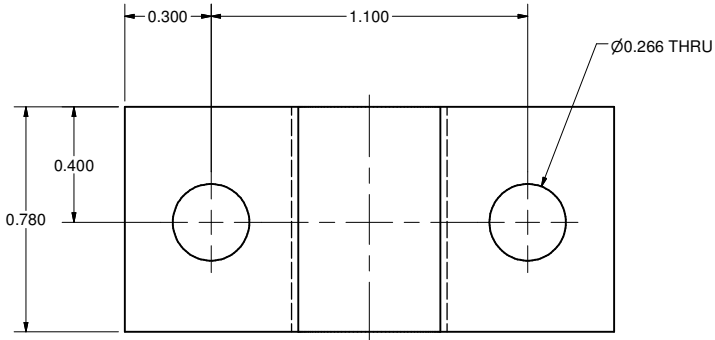
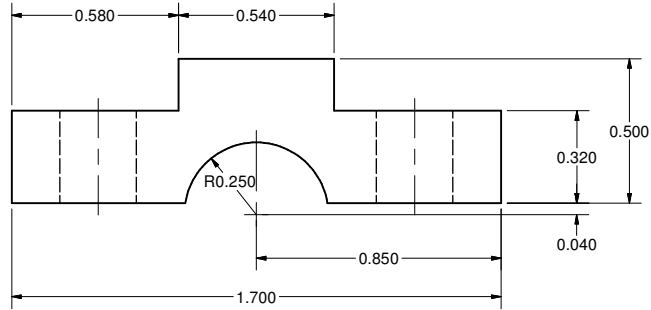
**36 BACK PIN**  
FILE NAME: 7102-032  
SHEET NO.: 5  
DFT. SCALE: 5:1  
MATERIAL: TITANIUM, GRADE 2  
QTY: 1  
NOTES:



**33 BACK SHAFT**  
FILE NAME: 7102-032  
SHEET NO.: 5  
DFT. SCALE: 3:1  
MATERIAL: TITANIUM, GRADE 2  
QTY: 1  
NOTES: 1. DICRONITE OUTER SURFACE: DRY FILM LUBRICANT OF 0.00002 IN. OF TUNGSTEN DISULFIDE (WS2).








**32 BACK SUPPORT PIN**  
FILE NAME: 7102-032  
SHEET NO.: 5  
DFT. SCALE: 3:1  
MATERIAL: TITANIUM, GRADE 2  
QTY: 1  
NOTES:



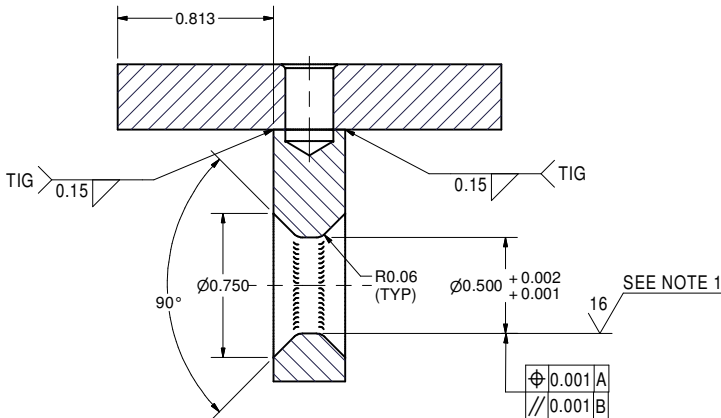
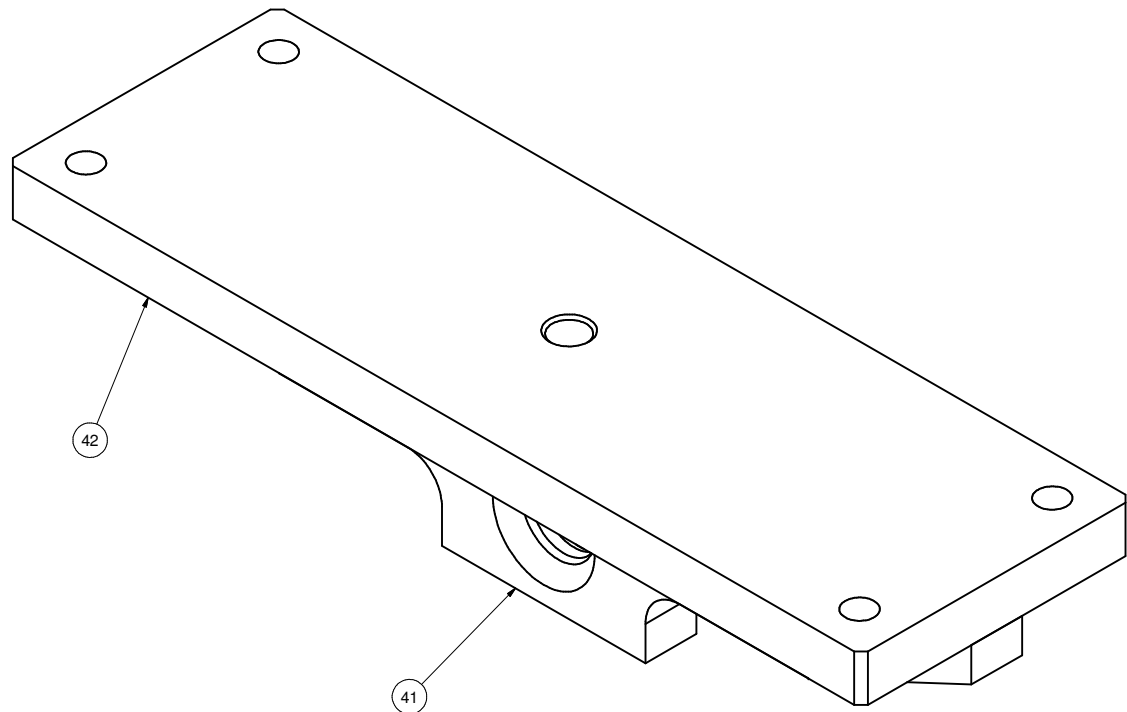
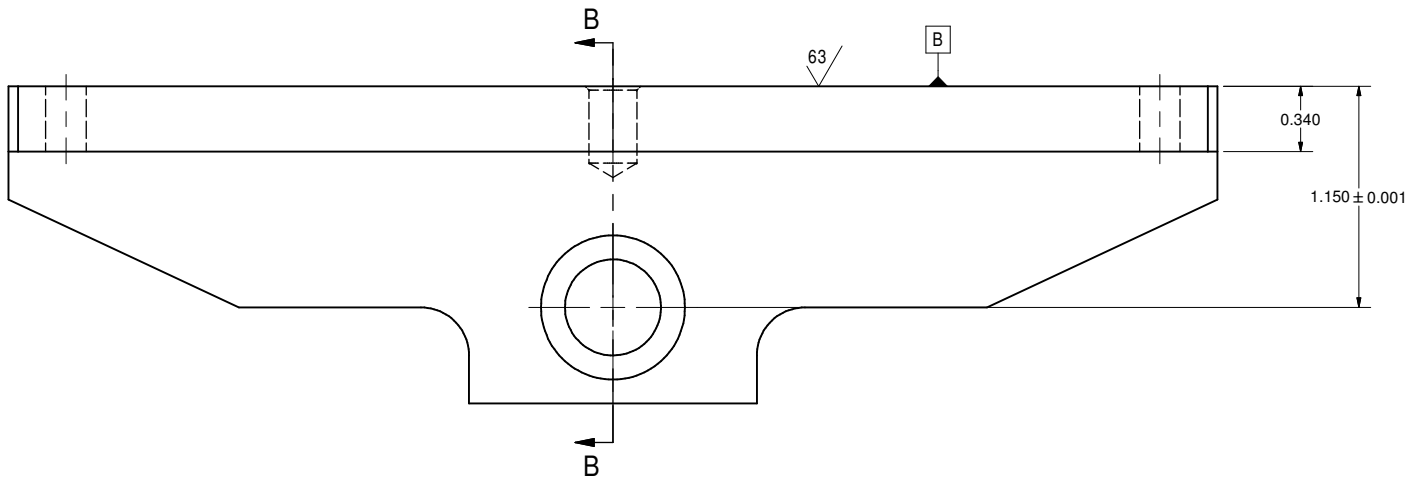
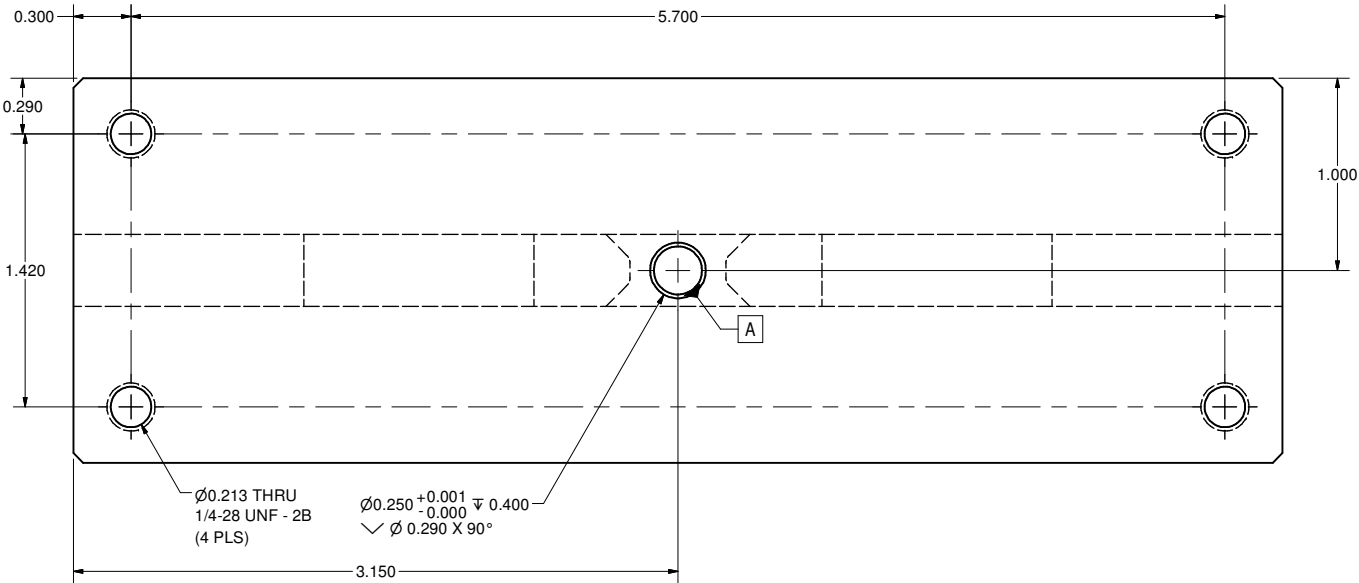
SCALE 3 : 1

**34 BACK SUPPORT CLAMP**  
FILE NAME: 7102-032  
SHEET NO.: 5  
DFT. SCALE: 3:1  
MATERIAL: TITANIUM, GRADE 2  
QTY: 1  
NOTES:

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	ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.	
				QUANTITY					
	PRINT	PLOT DATE: 1/8/2008							
	DISTR.	CAD FILE NAME: 7102-032.idw							
SH. NO. 5 OF 7 7102-032	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  CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853  LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS						
			ERL INJECTOR CRYOMODULE						
			2-CELL CAVITY FRONT AND BACK SUPPORTS						
			CAVITY BACK SUPPORT DETAILS						
REV.	CHECKED BY: VM		DRAWN BY	DRAWN FOR	DATE	SCALE		7102-032	REV.
	APPROVED BY: ML		applin	vm	8/1/2006				
						SH. NO. 5 OF 7			




REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.



SECTION B-B

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

35 2-CELL CAVITY BACK SUPPORT ASM.  
FILE NAME: 7102-032  
SHEET NO.: 6  
DFT. SCALE: 2:1  
MATERIAL:  
QTY: 1  
NOTES: 1. DICRONITE HOLE SURFACE: DRY FILM LUBRICANT OF 0.00002 IN. OF TUNGSTEN DISULFIDE (WS2).

	42	back-top-plate	BACK TOP PLATE	1					
	41	vertical-plate	VERTICAL PLATE	1					
	25		2 CELL CAVITY BACK SUPPORT ASSY.	X					
	ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.	
				QUANTITY					
D	PRINT DISTR.	PLOT DATE: 1/8/2008 CAD FILE NAME: 7102-032.idw							
7102-032 SH. NO. 6 OF 7	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>CORNELL UNIVERSITY  <b>LEPP</b></div> <div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div> <div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div>					
		ERL INJECTOR CRYOMODULE 2-CELL CAVITY FRONT AND BACK SUPPORTS 2 CELL CAVITY BACK SUPPORT ASSY. WELDMENT							
REV.	CHECKED BY: VM		DRAWN BY applin	DRAWN FOR vm	DATE 8/1/2006	SCALE	D	7102-032 SH. NO. 6 OF 7	REV.
	APPROVED BY: ML								

