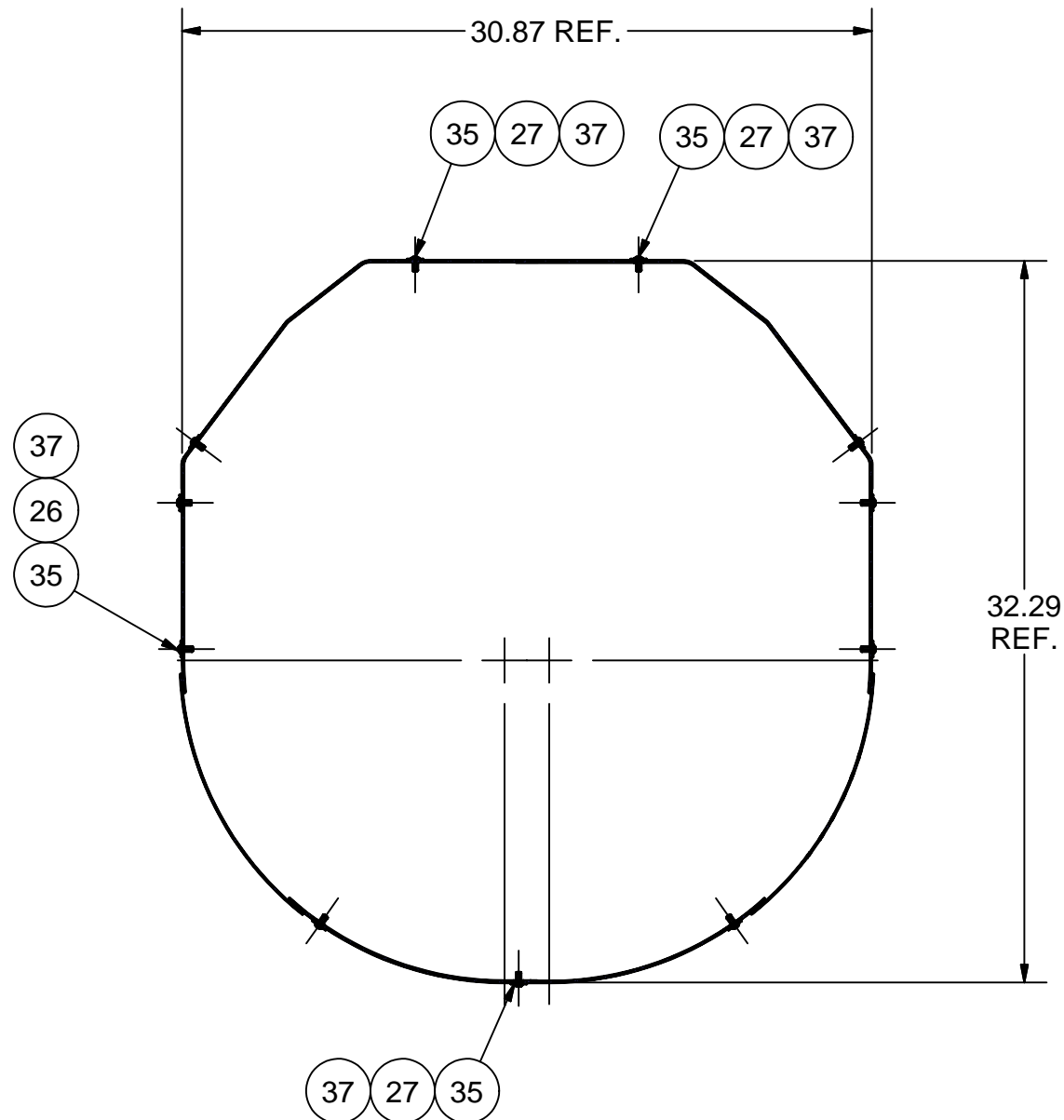
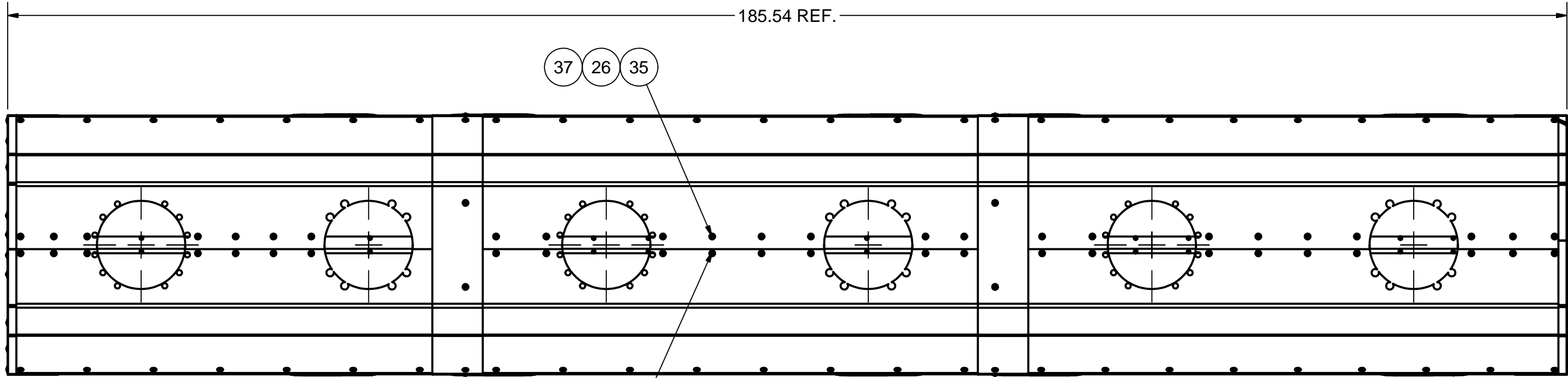


REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.



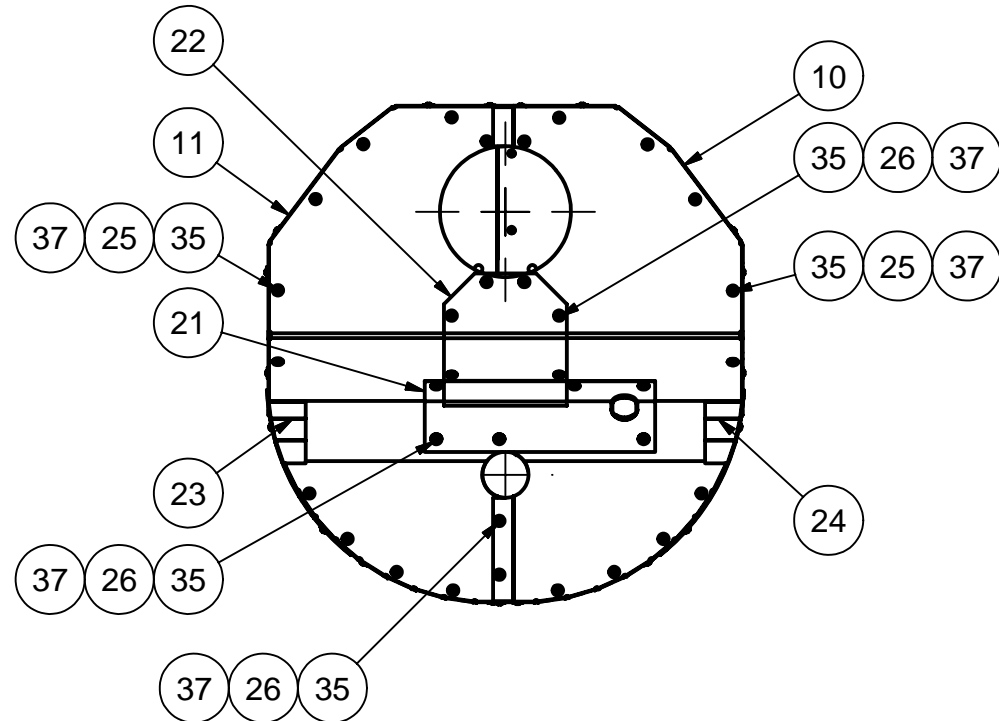
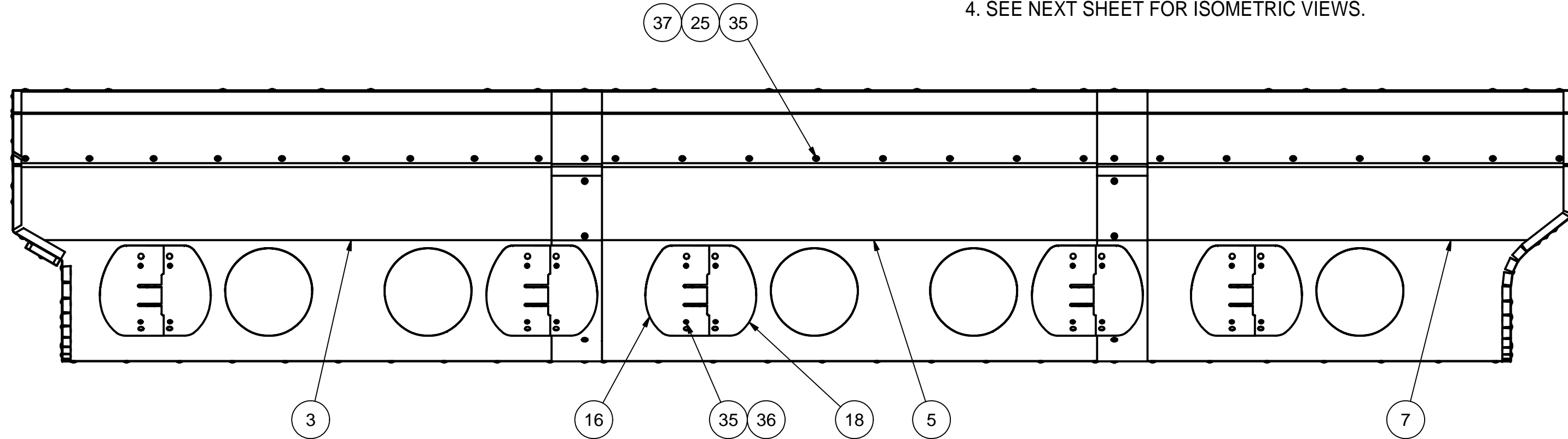
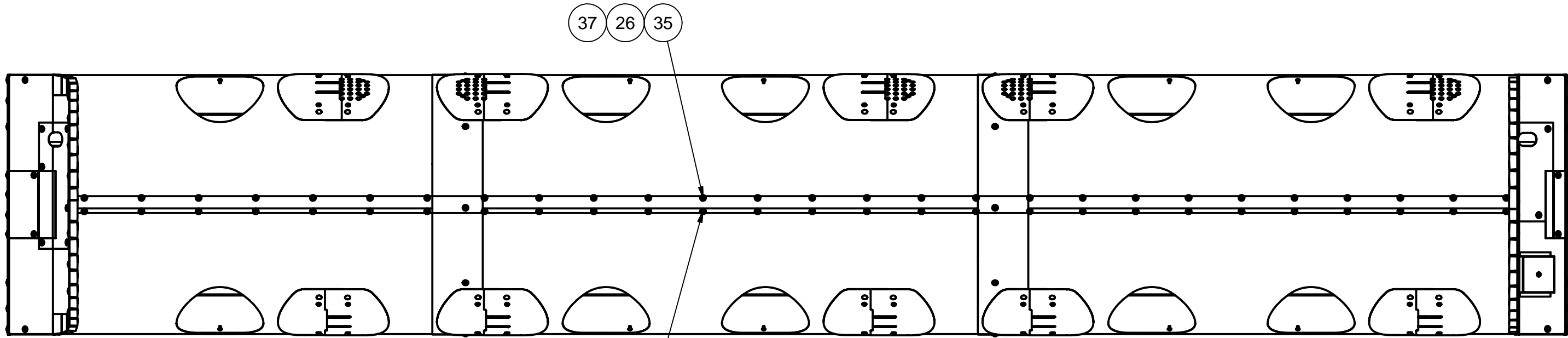
SECTION B-B  
SCALE 1:8

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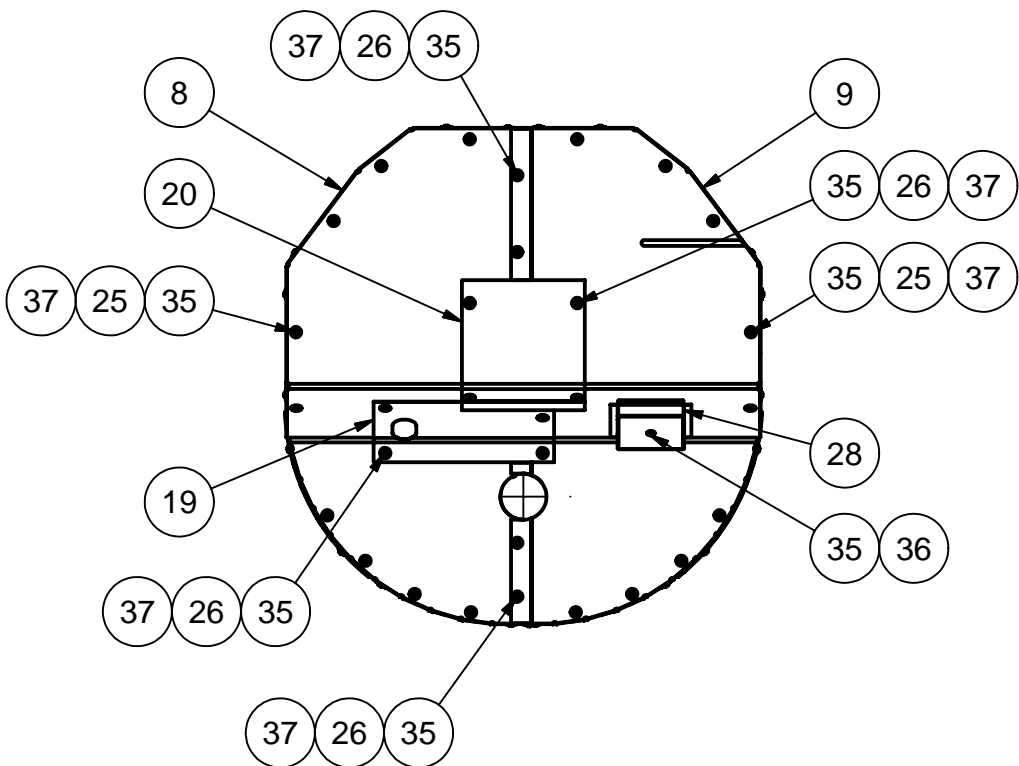
37	Purchased	#10 Large-OD Washer, SS	236		McMaster-Carr's 90313A103
36	Purchased	#10 Washer, SS	41		McMaster-Carr's 96659A104
35	Purchased	#10-32 x 1/2 Button Head Socket Cap Screw, SS	277		McMaster-Carr's 92949A265
28	7102-067 (Sh.10)	ENTRANCE SECTION FRONT CAP	1		
27	7102-067 (Sh.22)	SPACER 3	6		
26	7102-067 (Sh.22)	SPACER 2	93		
25	7102-067 (Sh.22)	SPACER 1	137		
24	7102-067 (Sh.19)	EXIT SECTION SIDE PATCH 2	1		
23	7102-067 (Sh.19)	EXIT SECTION SIDE PATCH 1	1		
22	7102-067 (Sh.22)	EXIT SECTION FRONT PATCH 2	1		
21	7102-067 (Sh.22)	EXIT SECTION FRONT PATCH 1	1		
20	7102-067 (Sh.22)	ENTRANCE SECTION FRONT PATCH 2	1		
19	7102-067 (Sh.19)	ENTRANCE SECTION FRONT PATCH 1	1		
18	7102-067 (Sh.21)	TUNER PORT BLANK COVER	5		
16	7102-067 (Sh.21)	TUNER PORT WIRES COVER	10		
15	7102-067 (Sh.21)	TUNER PORT CABLES COVER	5		
14	7102-067 (Sh.20)	BOTTOM COVER STRIP 2	1		
13	7102-067 (Sh.20)	BOTTOM COVER STRIP 1	1		
12	7102-067 (Sh.19)	TOP COVER STRIP	2		
11	7102-067 (Sh.16)	EXIT SECTION LEFT FRONT SHEET	1		
10	7102-067 (Sh.16)	EXIT SECTION RIGHT FRONT SHEET	1		
9	7102-067 (Sh.13)	ENTRANCE SECTION LEFT FRONT SHEET	1		
8	7102-067 (Sh.13)	ENTRANCE SECTION RIGHT FRONT SHEET	1		
7	7102-067 (Sh.12)	EXIT SECTION LEFT SHEET	1		
6	7102-067 (Sh.10)	EXIT SECTION RIGHT SHEET	1		
5	7102-067 (Sh.8)	MIDDLE SECTION LEFT SHEET	1		
4	7102-067 (Sh.6)	MIDDLE SECTION RIGHT SHEET	1		
3	7102-067 (Sh.5)	ENTRANCE SECTION LEFT SHEET	1		
2	7102-067 (Sh.3)	ENTRANCE SECTION RIGHT SHEET	1		
1	7102-067 (Sh.1,2)	MAGNETIC SHIELD III ASSEMBLY	X		

1 MAGNETIC SHIELD III ASSEMBLY

- FILE NAME: 7102-067  
SHEET NO.: 1  
DFT. SCALE: 1:12.5  
MATERIAL:  
QTY: 1 PER CRYOMODULE  
NOTES: 1. IMPROVE MAGNETIC PROPERTIES FOR OPERATION AT 80 K OF ALL PARTS MADE OF MU-METAL WITH HEAT TREATMENT AFTER PRODUCTION.  
2. FIX PARTS 23 AND 24 IN PLACE WITH ADHESIVE TAPE.  
3. USE PARTS 25, 26, 27, 35, 36, 37 TO FIX SHIELD COMPONENTS ON 80 K SHIELD (7102-066).  
4. SEE NEXT SHEET FOR ISOMETRIC VIEWS.

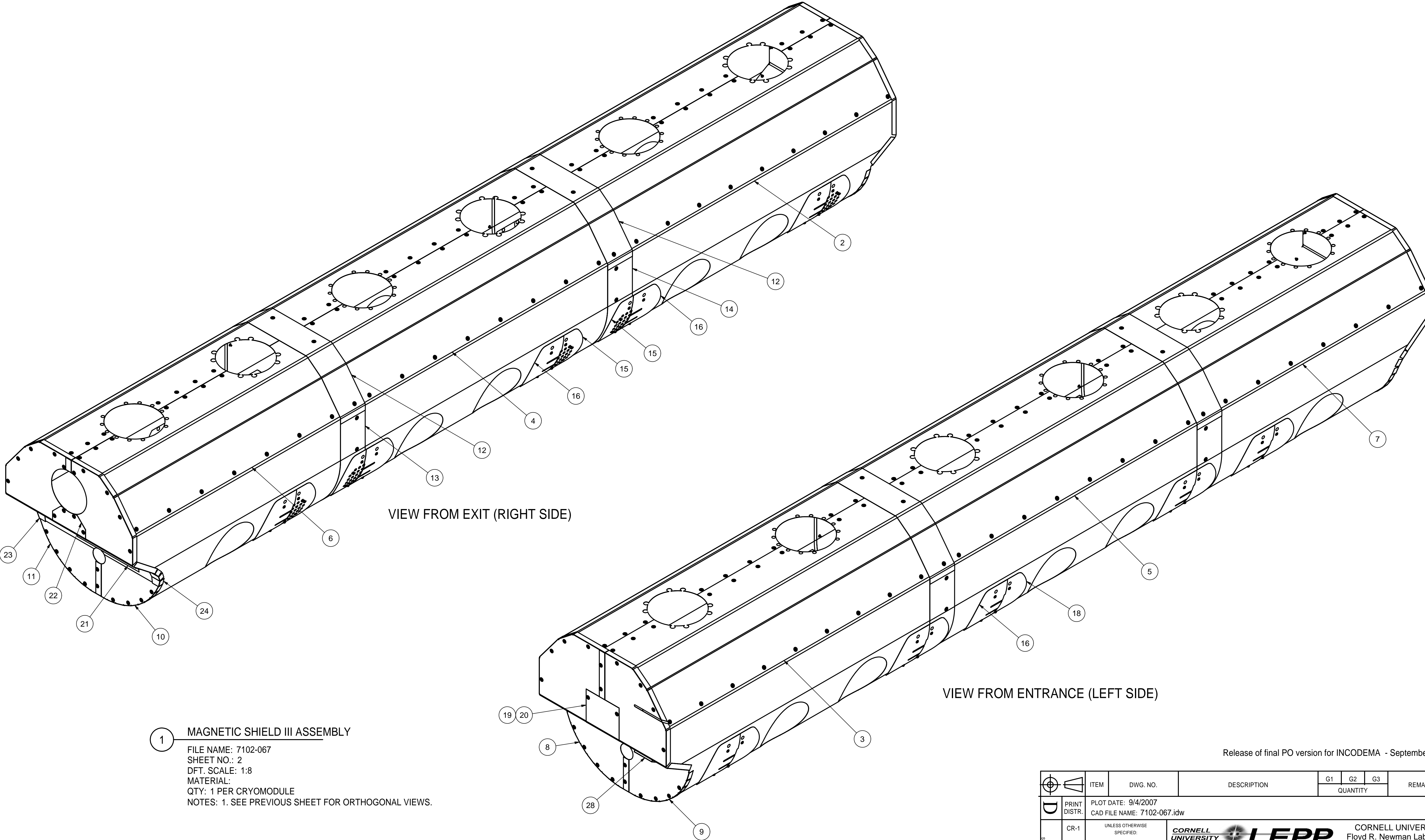


VIEW A-A






		ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS		REV.
		QUANTITY										
D	PRINT DISTR.	PLOT DATE: 9/4/2007 CAD FILE NAME: 7102-067.idw										
	7102-067 SH. NO. 1 OF 22	CR-1	<div>UNLESS OTHERWISE SPECIFIED:</div> <div>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  ERL INJECTOR CRYOMODULE MAGNETIC SHIELD III MAGNETIC SHIELD III ASSEMBLY: ORTHO VIEWS</div>									
		CHECKED BY: VM	DRAWN BY: vm	DRAWN FOR: M.Liepe	DATE: 8/21/2007	SCALE: D	7102-067	REV.				
		APPROVED BY: EPC							SH. NO. 1 OF 22			

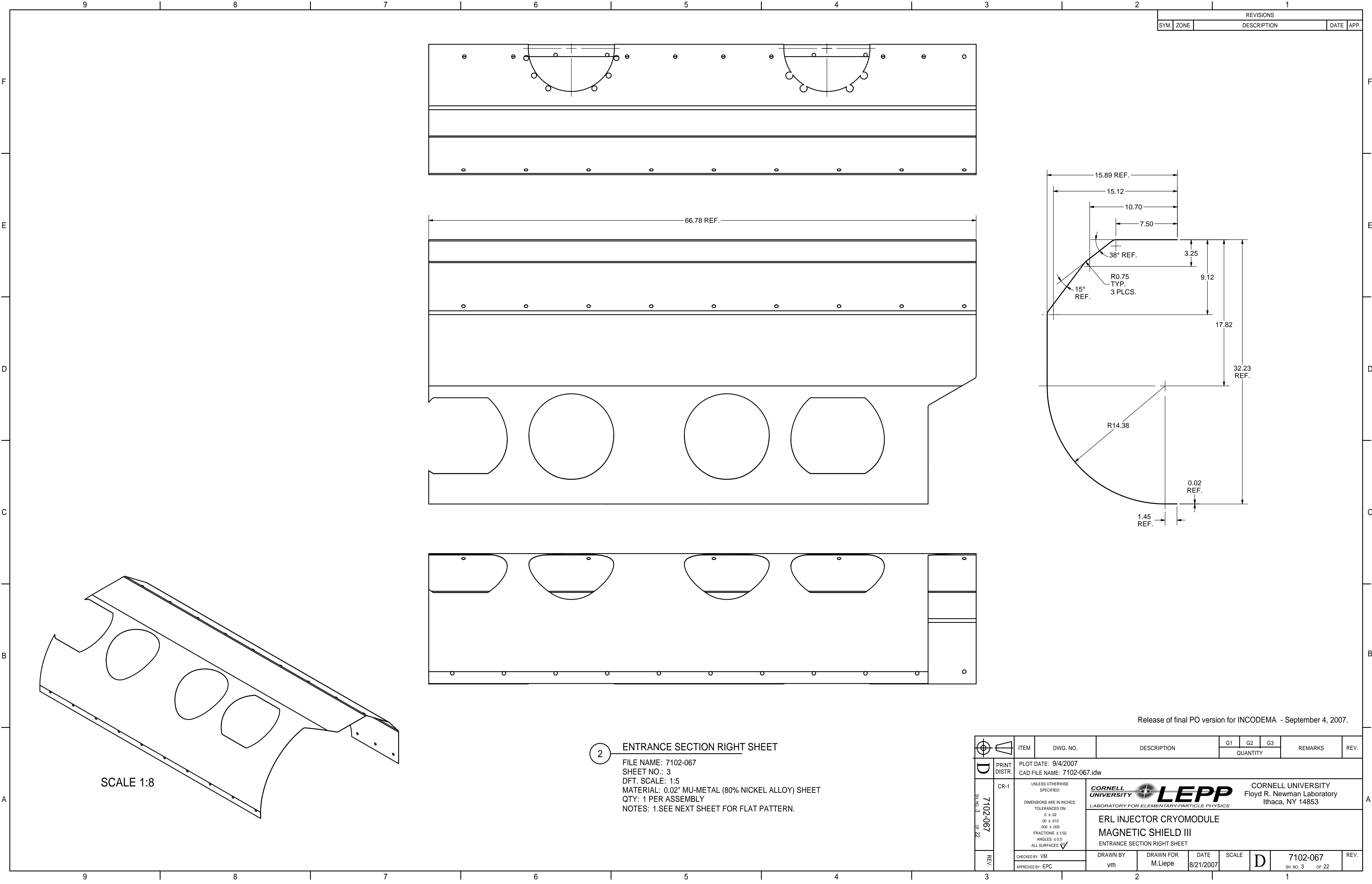
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.



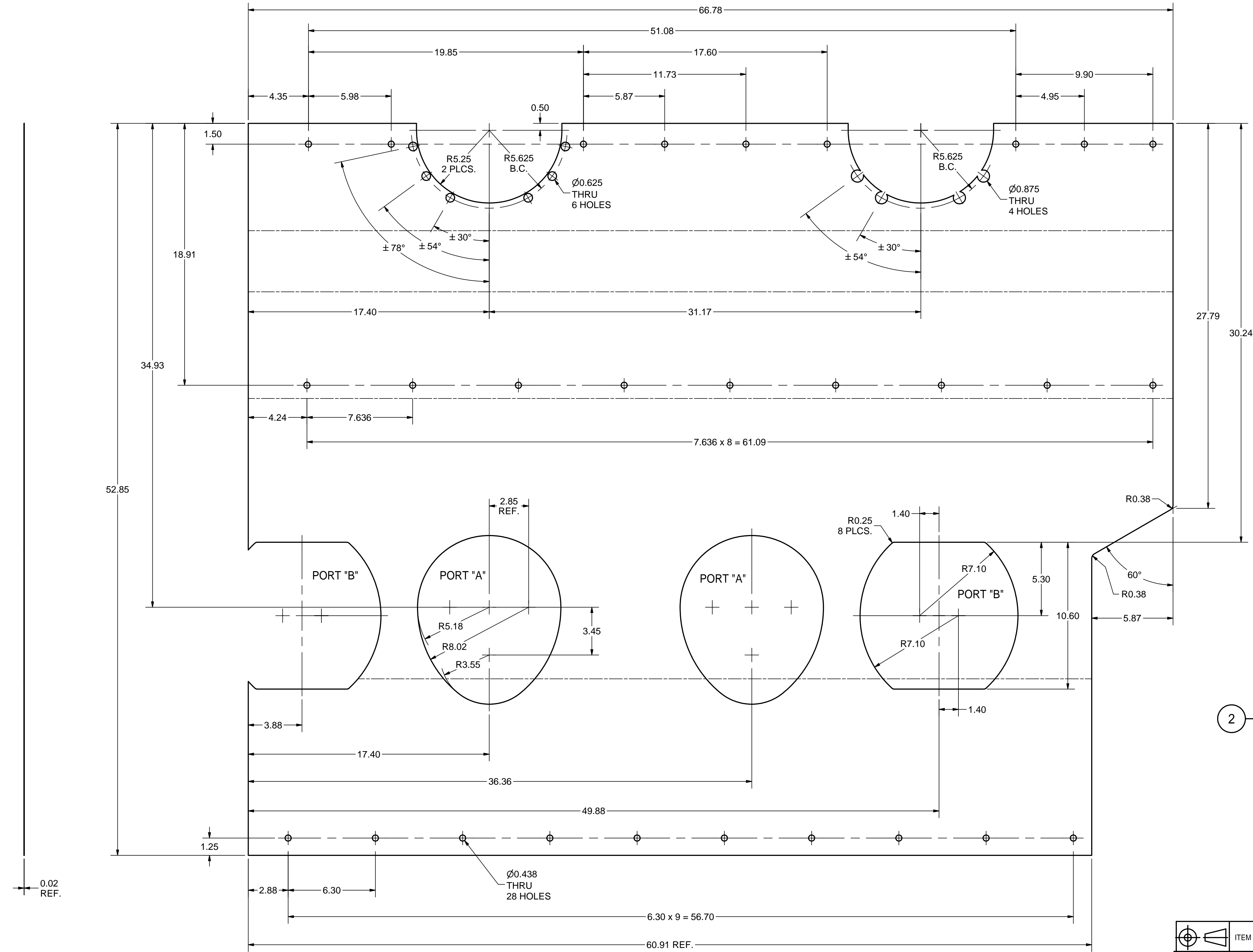
1 **MAGNETIC SHIELD III ASSEMBLY**  
FILE NAME: 7102-067  
SHEET NO.: 2  
DFT. SCALE: 1:8  
MATERIAL:  
QTY: 1 PER CRYOMODULE  
NOTES: 1. SEE PREVIOUS SHEET FOR ORTHOGONAL VIEWS.

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		ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS		REV.	
		QUANTITY											
D	PRINT DISTR.	PLOT DATE: 9/4/2007 CAD FILE NAME: 7102-067.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 </div> <div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div> <div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div>									
7102-067 SH. NO. 2 OF 22		ERL INJECTOR CRYOMODULE MAGNETIC SHIELD III MAGNETIC SHIELD III ASSEMBLY: ISO VIEWS											
REV.	CHECKED BY: VM	DRAWN BY vm		DRAWN FOR M.Liepe		DATE 8/21/2007		SCALE		D	7102-067 SH. NO. 2 OF 22		REV.
	APPROVED BY: EPC												









REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.



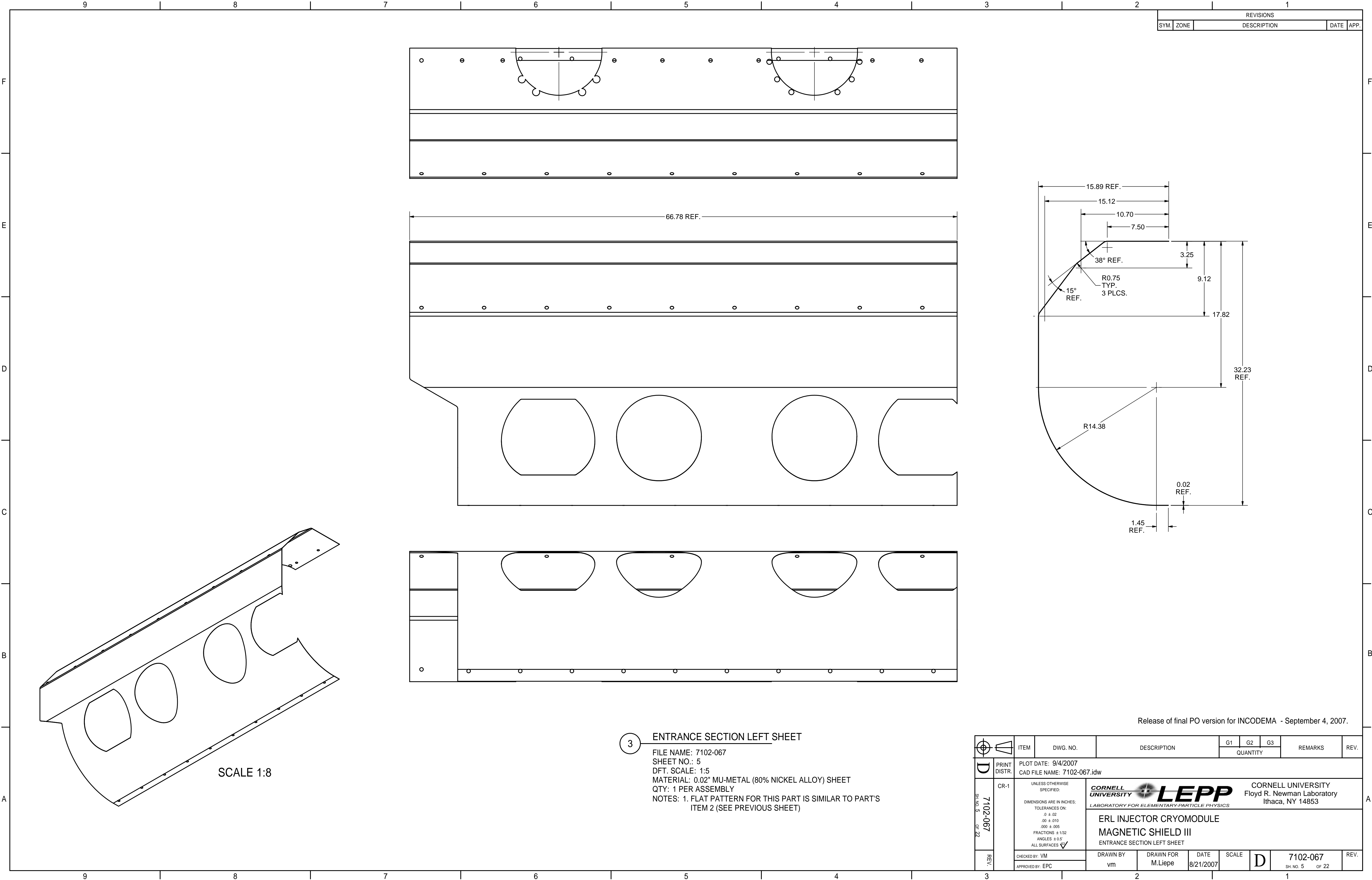
2 ENTRANCE SECTION RIGHT SHEET (FLAT PATTERN)

FILE NAME: 7102-067  
SHEET NO.: 4  
DFT. SCALE: 1:4  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES: 1. FLAT PATTERN FOR PART ITEM 3 (SHEET 5) IS SIMILAR TO THIS ONE.  
2. SEE PREVIOUS SHEET FOR BEND PROFILE.

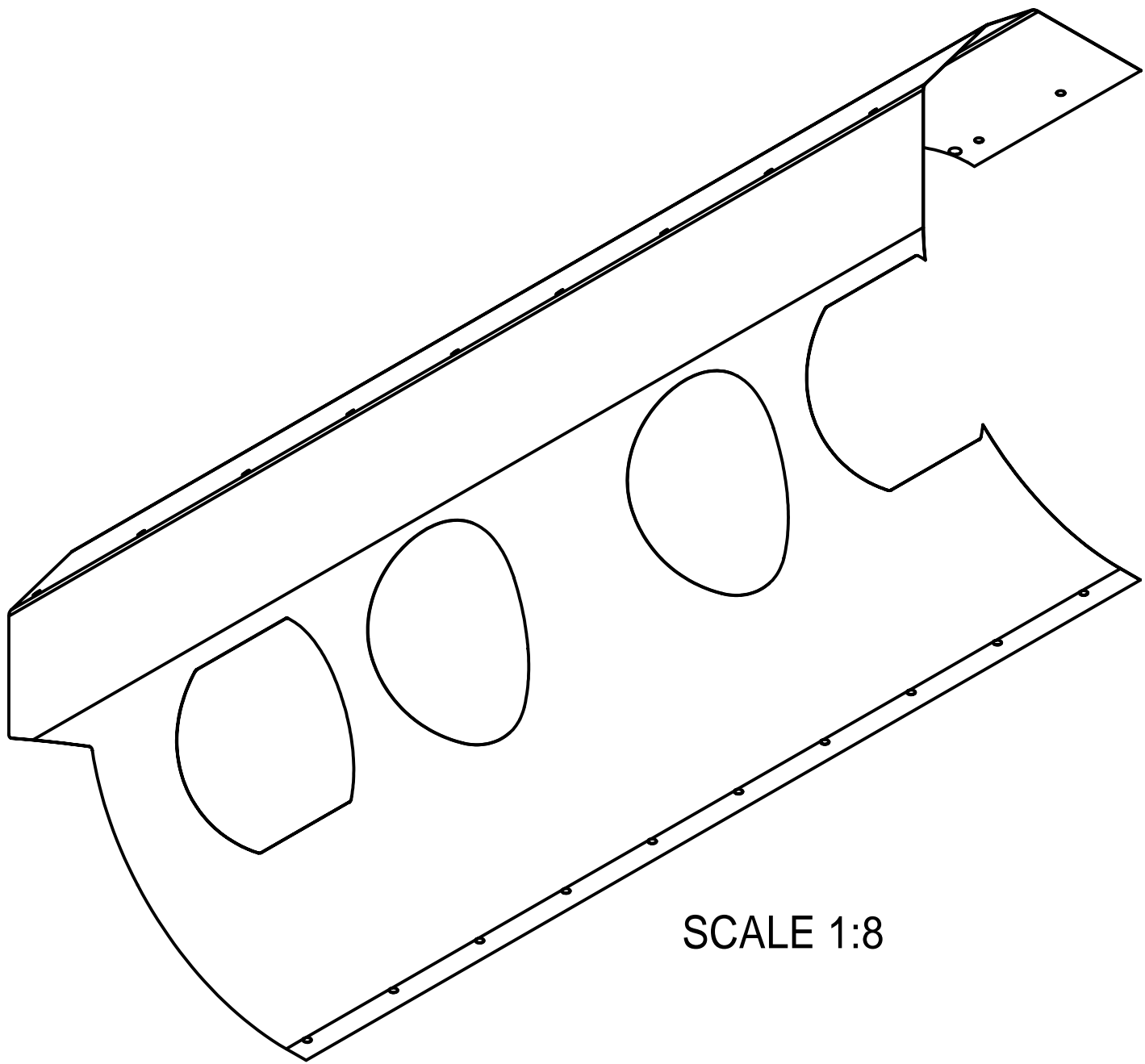
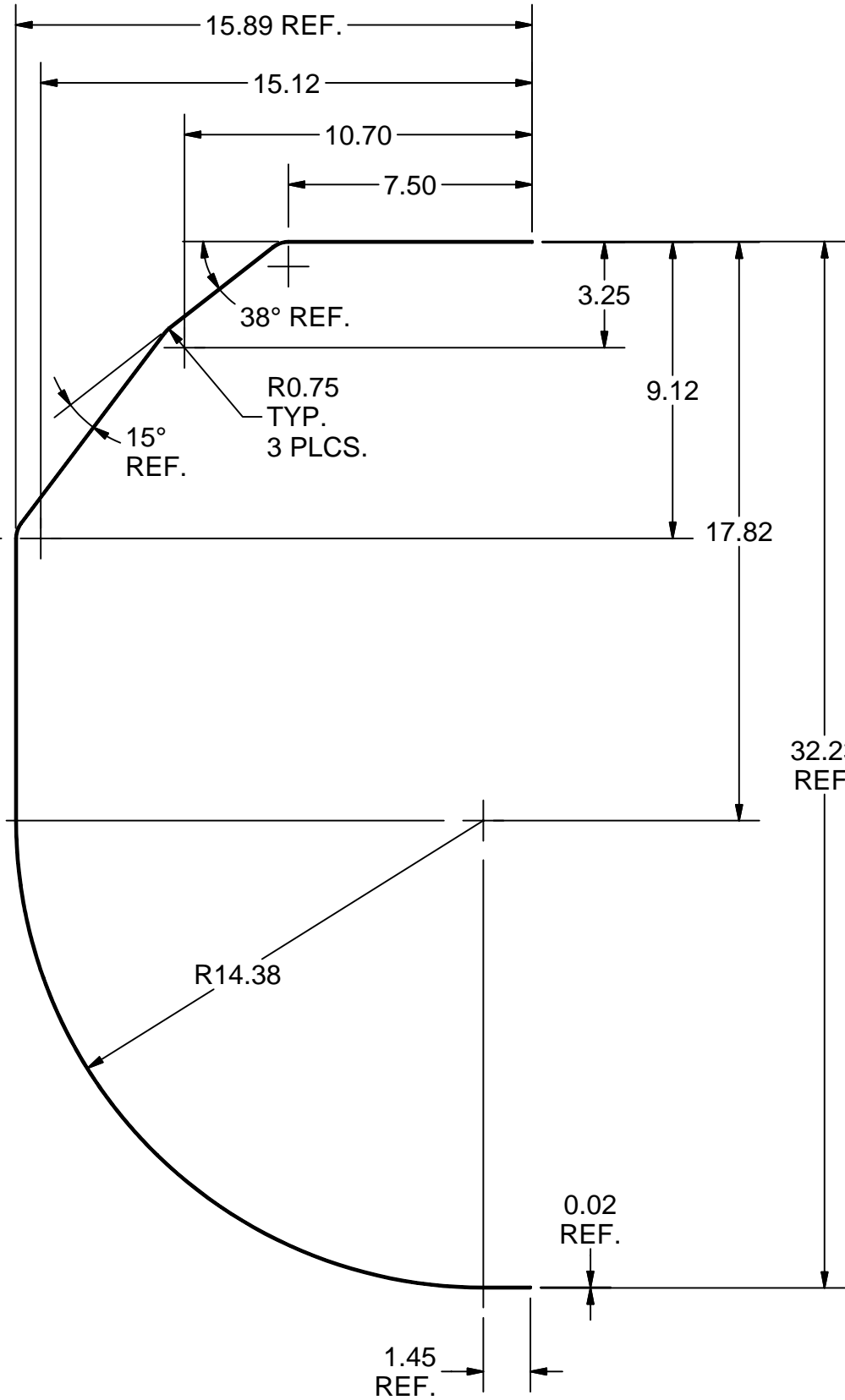
Release of final PO version for INCODEMA - September 4, 2007.

		ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.
					QUANTITY				
	PRINT DISTR.	PLOT DATE: 9/4/2007 CAD FILE NAME: 7102-067.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>					
7102-067 <small>SH. NO. 4 OF 22</small>				ERL INJECTOR CRYOMODULE MAGNETIC SHIELD III ENTRANCE SECTION RIGHT SHEET (FLAT PATTERN)					
	REV.	CHECKED BY: VM		DRAWN BY: vm	DRAWN FOR: M.Liepe	DATE: 8/21/2007	SCALE: D	7102-067	REV.
	APPROVED BY: EPC		SH. NO. 4 OF 22						






REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.

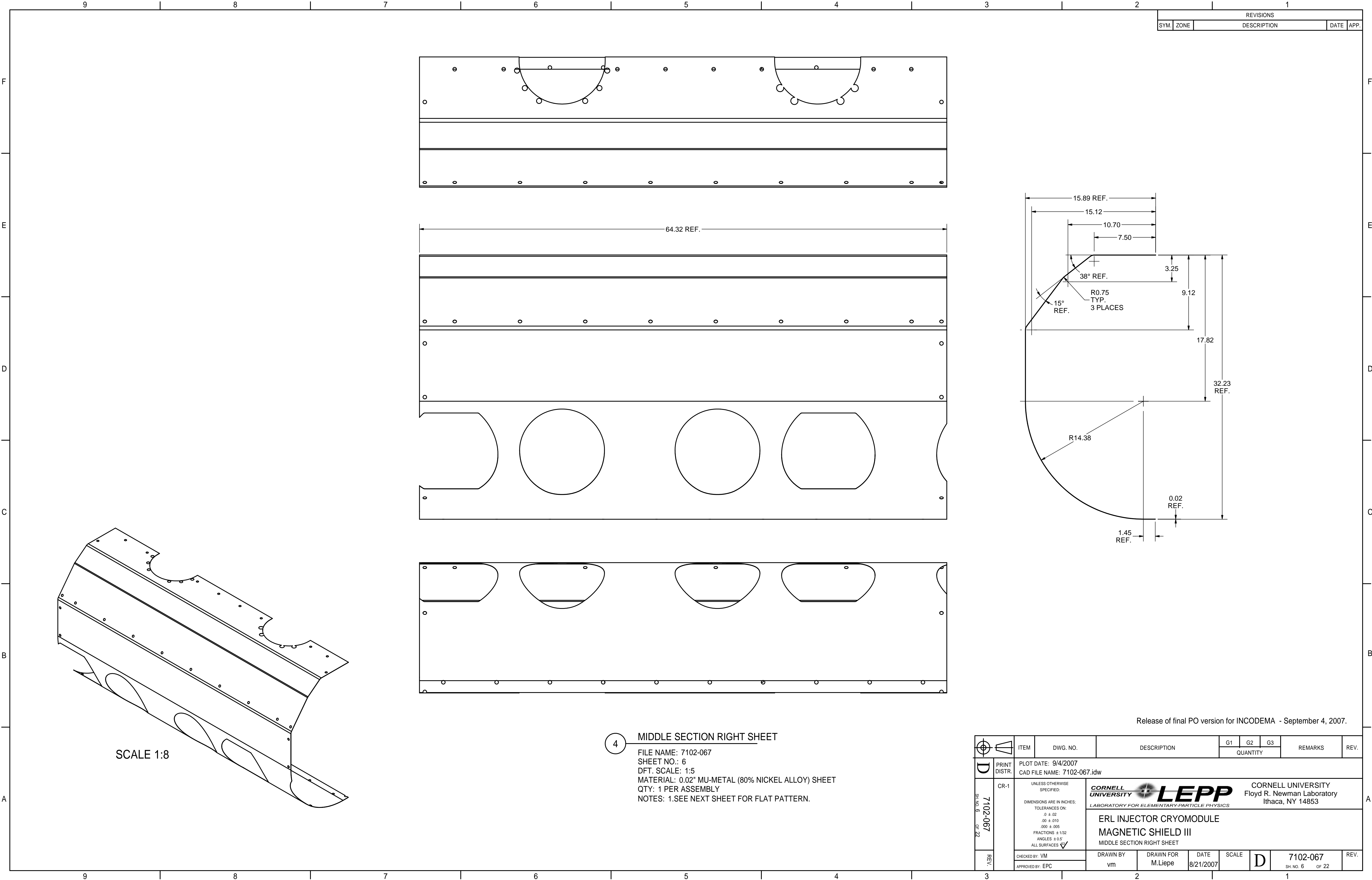


3 ENTRANCE SECTION LEFT SHEET

FILE NAME: 7102-067  
SHEET NO.: 5  
DFT. SCALE: 1:5  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES: 1. FLAT PATTERN FOR THIS PART IS SIMILAR TO PART'S ITEM 2 (SEE PREVIOUS SHEET)

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Release of final PO version for INCODEMA - September 4, 2007.											
		ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.		
					QUANTITY						
D	PRINT DISTR.	PLOT DATE: 9/4/2007 CAD FILE NAME: 7102-067.idw									
7102-067 SH. NO. 5 OF 22	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>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div>							
				ERL INJECTOR CRYOMODULE MAGNETIC SHIELD III ENTRANCE SECTION LEFT SHEET							
				REV.	CHECKED BY: VM APPROVED BY: EPC	DRAWN BY vm	DRAWN FOR M.Liepe	DATE 8/21/2007	SCALE	D	7102-067 SH. NO. 5 OF 22
3		1	2			1					

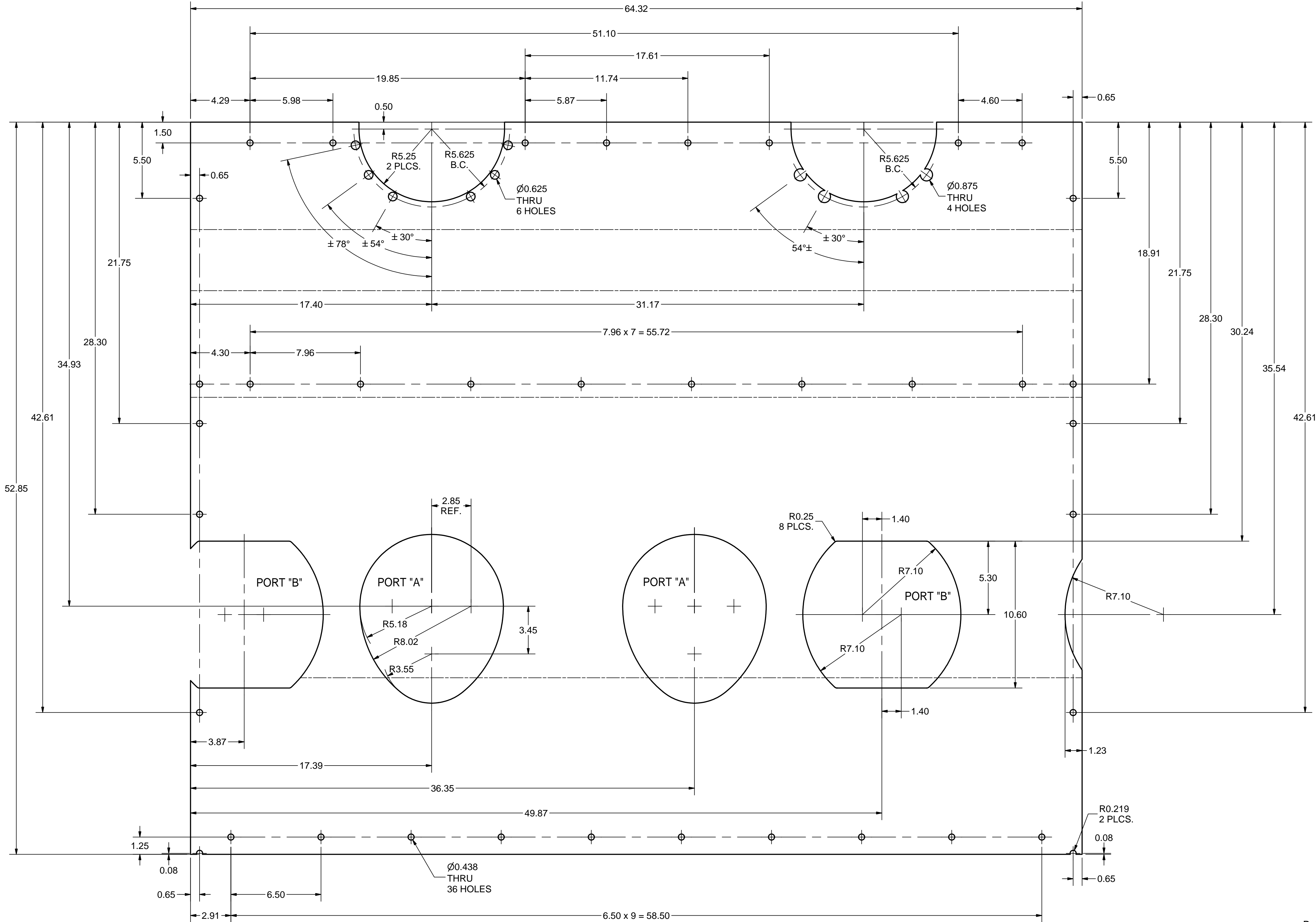


REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.

Release of final PO version for INCODEMA - September 4, 2007.

		ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS		REV.
								QUANTITY				
D	PRINT DISTR.	PLOT DATE: 9/4/2007 CAD FILE NAME: 7102-067.idw										
	7102-067 SH. NO. 6 OF 22	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>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div></div><div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div></div> <div>ERL INJECTOR CRYOMODULE MAGNETIC SHIELD III MIDDLE SECTION RIGHT SHEET</div>									REV.
CHECKED BY: VM			DRAWN BY	DRAWN FOR	DATE	SCALE	D	7102-067				
APPROVED BY: EPC			vm	M.Liepe	8/21/2007				SH. NO. 6 OF 22			

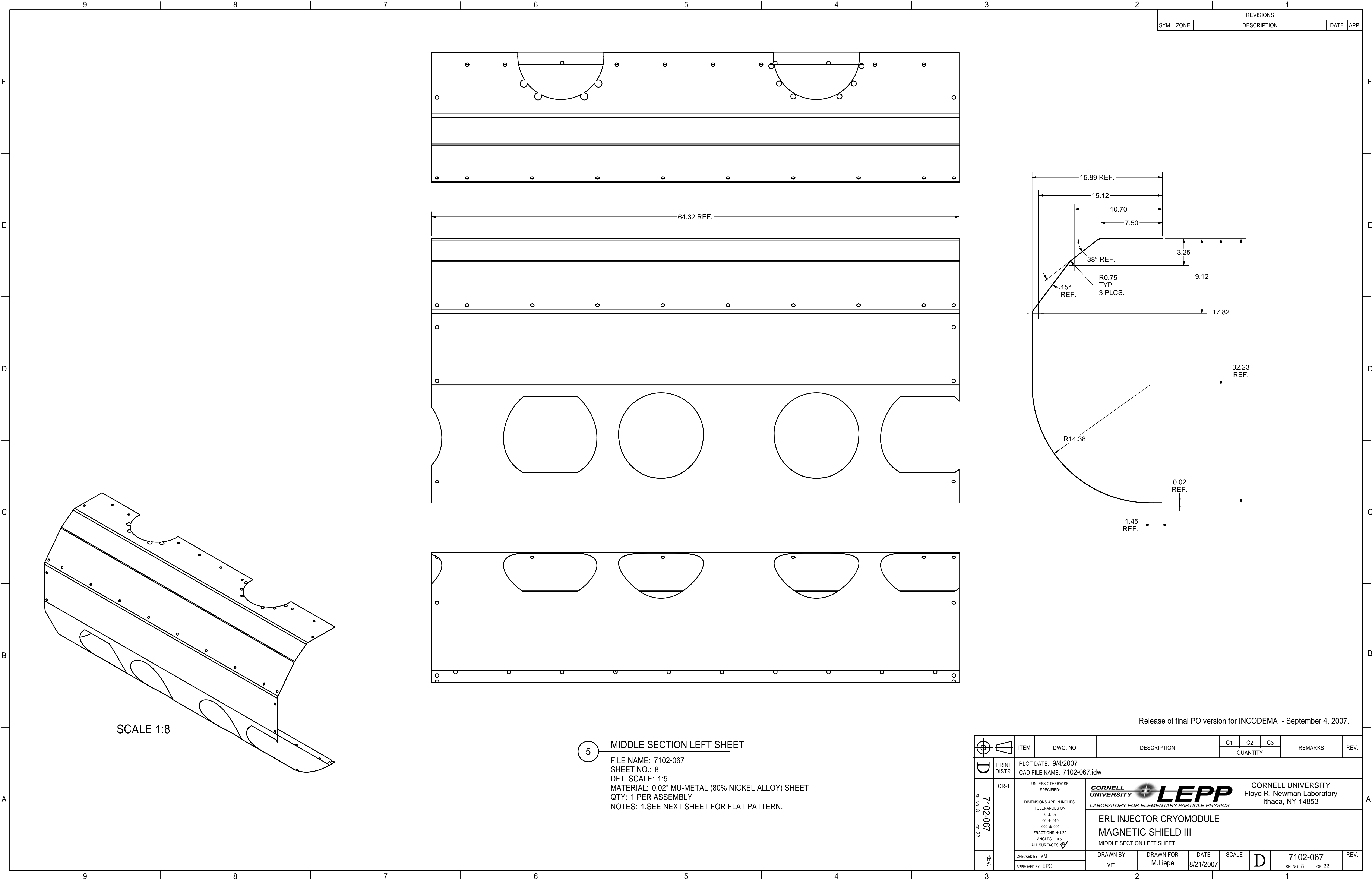
REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.



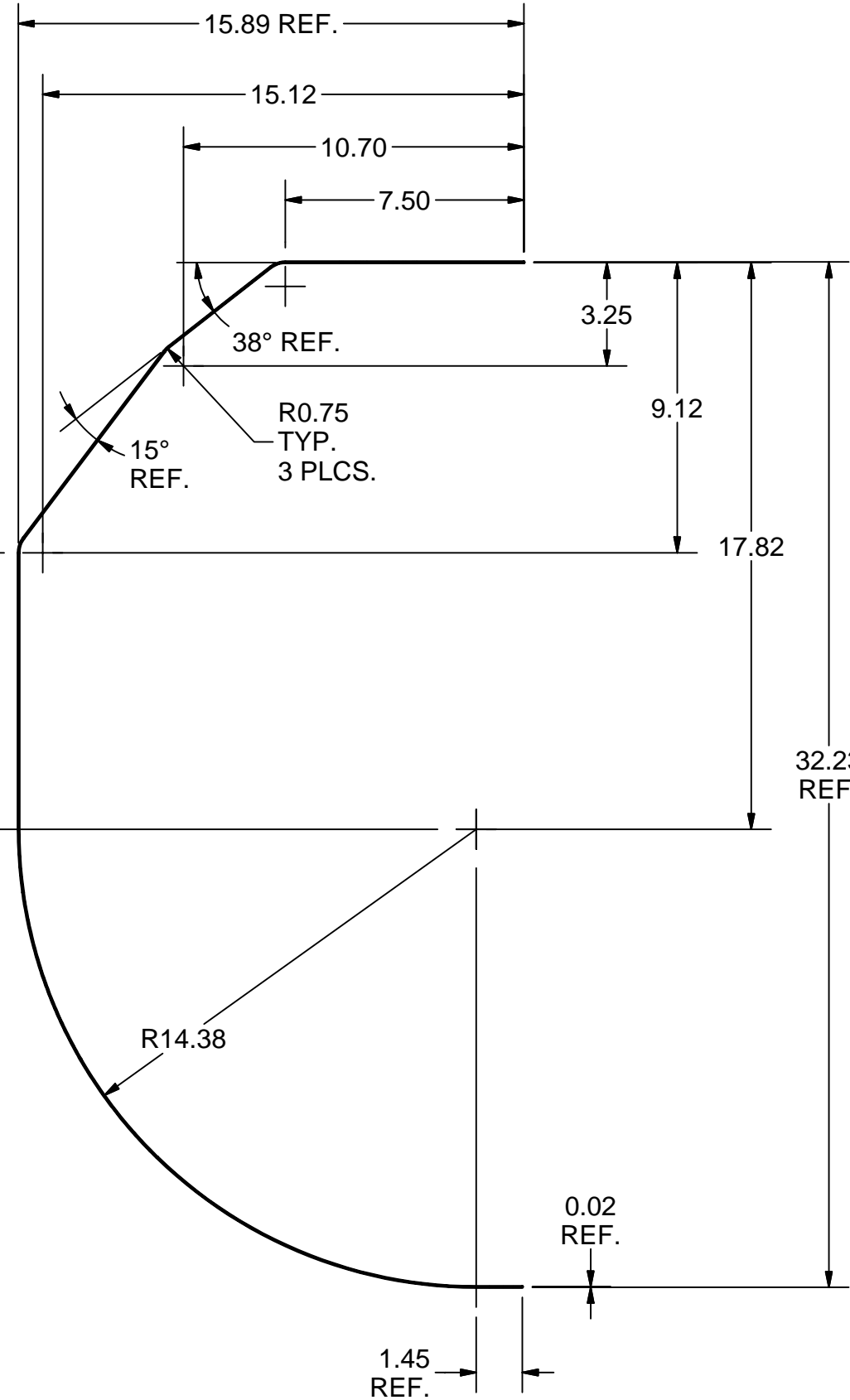
4 MIDDLE SECTION RIGHT SHEET (FLAT PATTERN)

FILE NAME: 7102-067  
SHEET NO.: 7  
DFT. SCALE: 1:4  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES: 1. FLAT PATTERN FOR PART ITEM 5 (SEE SHEET 9) IS SIMILAR TO THIS ONE.  
2. SEE PREVIOUS SHEET FOR BEND PROFILE.

		ITEM	DWG. NO.		DESCRIPTION			G1	G2	G3	REMARKS		REV.	
								QUANTITY						
D	PRINT DISTR.	PLOT DATE: 9/4/2007 CAD FILE NAME: 7102-067.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><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>ERL INJECTOR CRYOMODULE MAGNETIC SHIELD III MIDDLE SECTION RIGHT SHEET (FLAT PATTERN)</div>										
SH. NO. 7 OF 22	7102-067	CHECKED BY: VM		DRAWN BY vm		DRAWN FOR M.Liepe		DATE 8/21/2007		SCALE D		7102-067 SH. NO. 7 OF 22		REV.
	REV.	APPROVED BY: EPC												



REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.

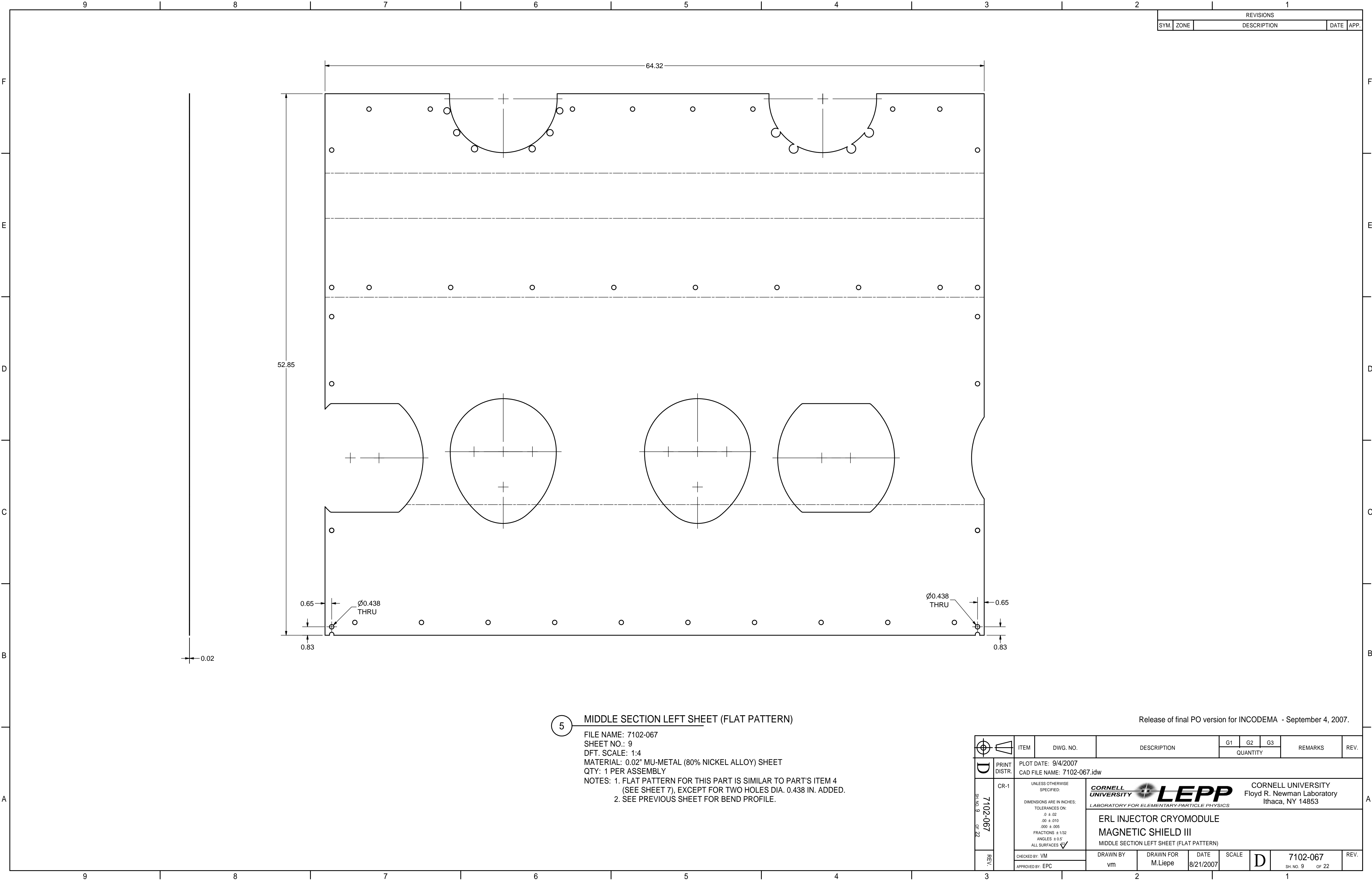


5 MIDDLE SECTION LEFT SHEET

FILE NAME: 7102-067  
SHEET NO.: 8  
DFT. SCALE: 1:5  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES: 1.SEE NEXT SHEET FOR FLAT PATTERN.

		ITEM	DWG. NO.		DESCRIPTION			G1	G2	G3	REMARKS		REV.
								QUANTITY					
D	PRINT DISTR.	PLOT DATE: 9/4/2007 CAD FILE NAME: 7102-067.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><div><div>CORNELL UNIVERSITY</div><div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div></div><div><div>LEPP</div><div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div></div></div> <div>ERL INJECTOR CRYOMODULE MAGNETIC SHIELD III MIDDLE SECTION LEFT SHEET</div>								
SH. NO. 8 OF 22	7102-067	REV.	CHECKED BY: VM		DRAWN BY	DRAWN FOR	DATE	SCALE	D	7102-067		REV.	
			APPROVED BY: EPC		vm	M.Liepe	8/21/2007			SH. NO. 8 OF 22			





REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.

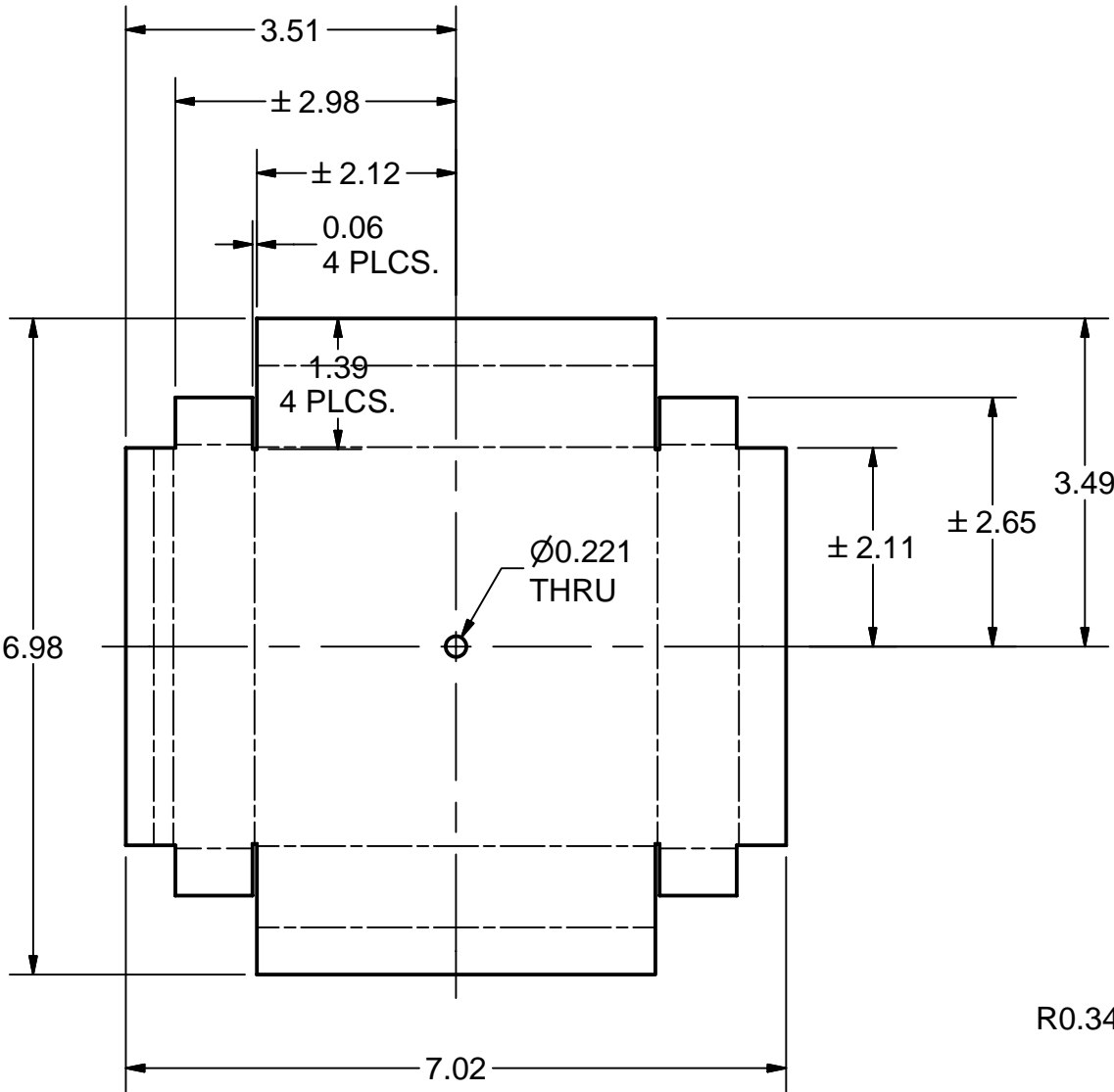
5 MIDDLE SECTION LEFT SHEET (FLAT PATTERN)

FILE NAME: 7102-067  
SHEET NO.: 9  
DFT. SCALE: 1:4  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES: 1. FLAT PATTERN FOR THIS PART IS SIMILAR TO PART'S ITEM 4  
(SEE SHEET 7), EXCEPT FOR TWO HOLES DIA. 0.438 IN. ADDED.  
2. SEE PREVIOUS SHEET FOR BEND PROFILE.

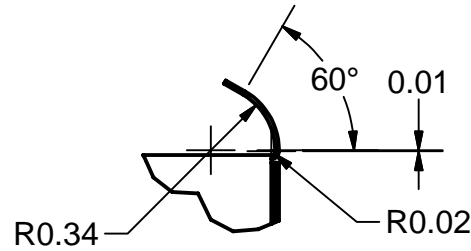
Release of final PO version for INCODEMA - September 4, 2007.

		ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS		REV.	
								QUANTITY					
	PRINT DISTR.	PLOT DATE: 9/4/2007 CAD FILE NAME: 7102-067.idw											
	7102-067 SH. NO. 9 OF 22	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><b>CORNELL UNIVERSITY</b></div><div><b>LEPP</b></div><div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div></div> <div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div>								
		ERL INJECTOR CRYOMODULE MAGNETIC SHIELD III MIDDLE SECTION LEFT SHEET (FLAT PATTERN)											
		CHECKED BY: VM  APPROVED BY: EPC	DRAWN BY vm	DRAWN FOR M.Liepe	DATE 8/21/2007	SCALE		7102-067 SH. NO. 9 OF 22		REV.			

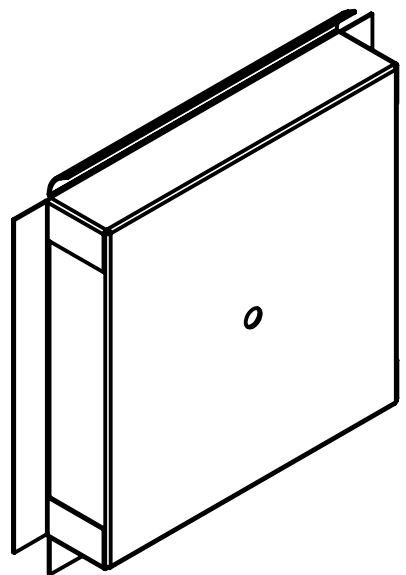
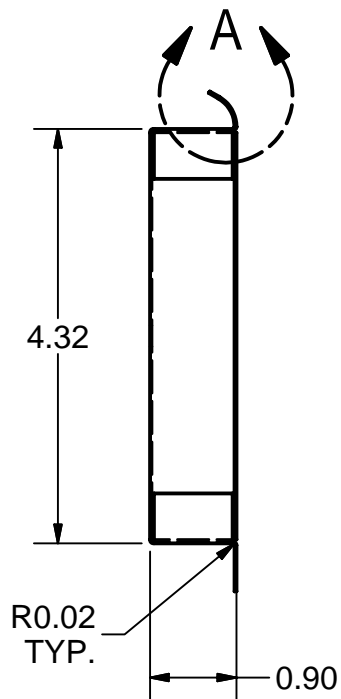
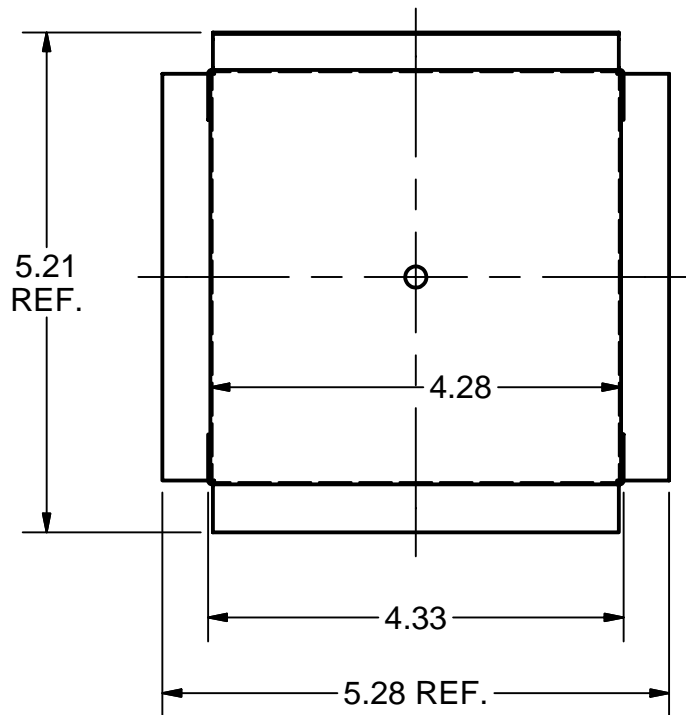
REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.



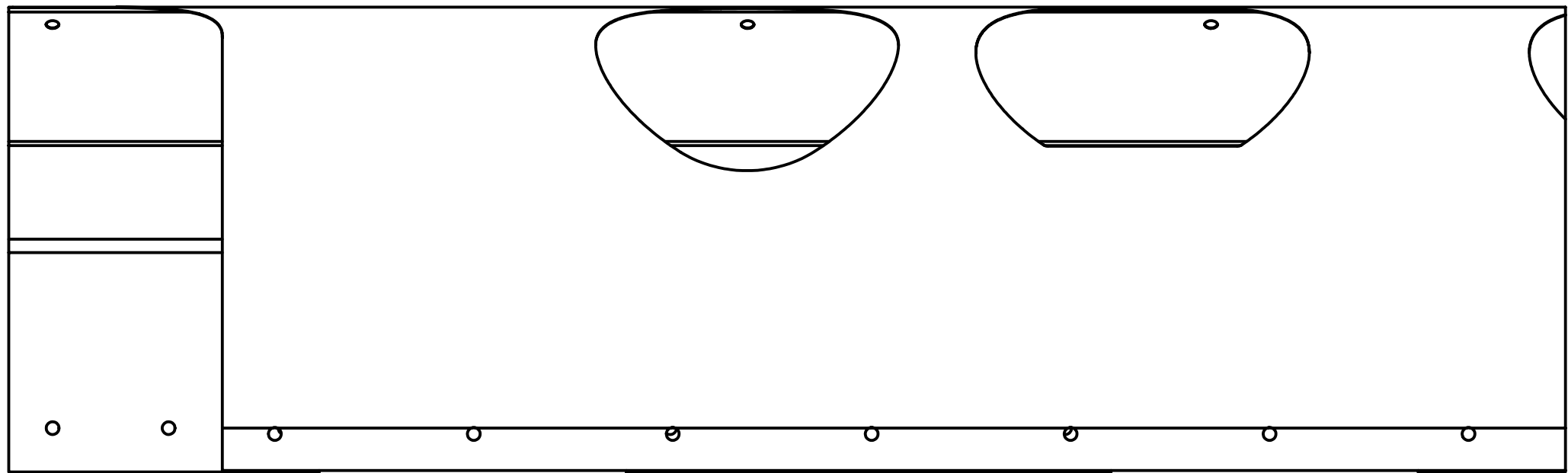
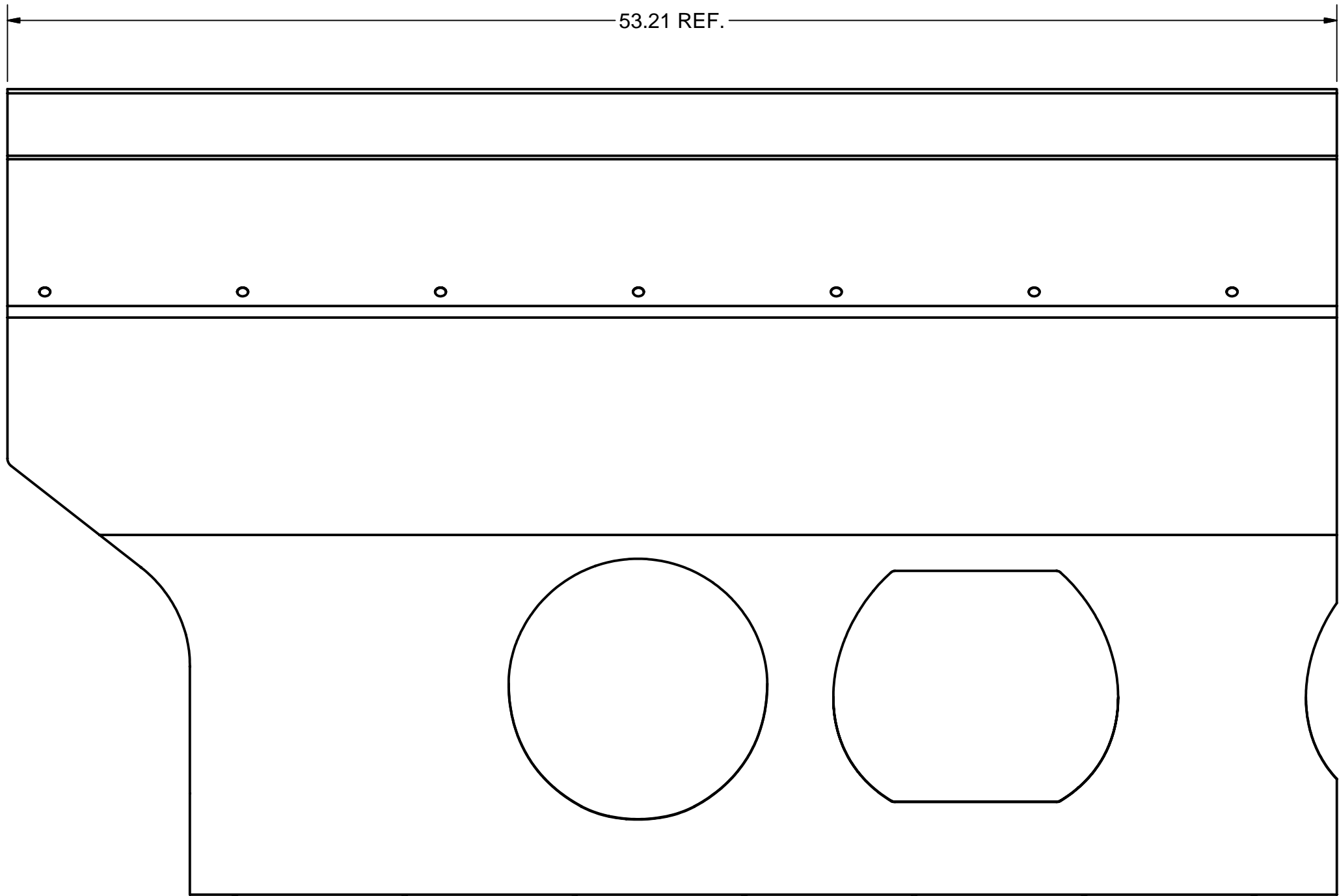
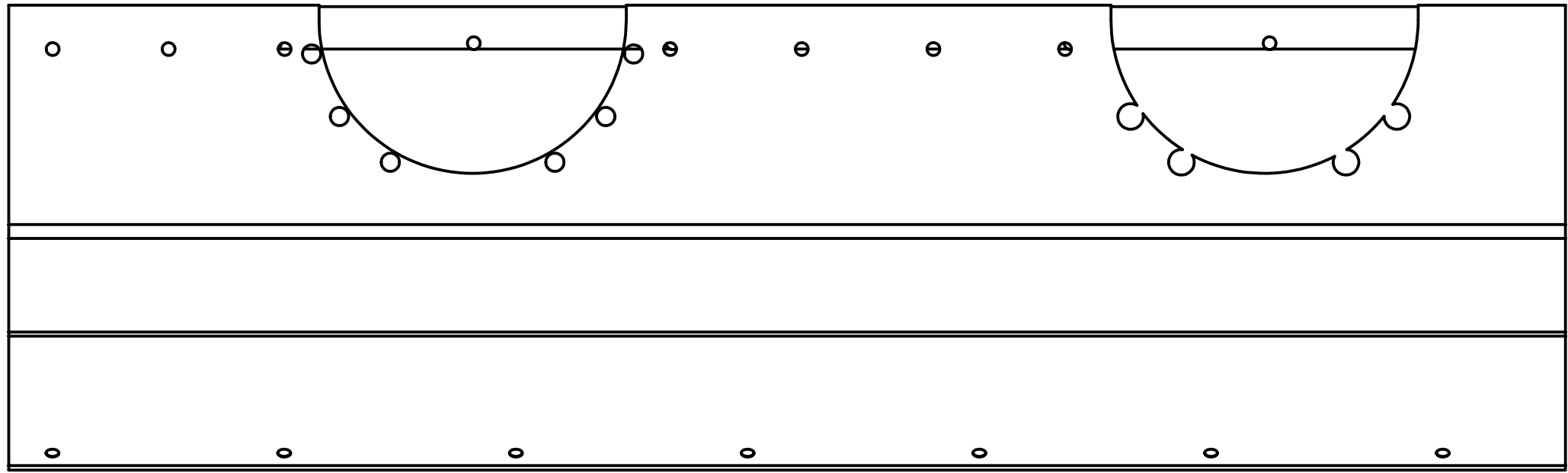
FLAT PATTERN



DETAIL A  
SCALE 1 : 1

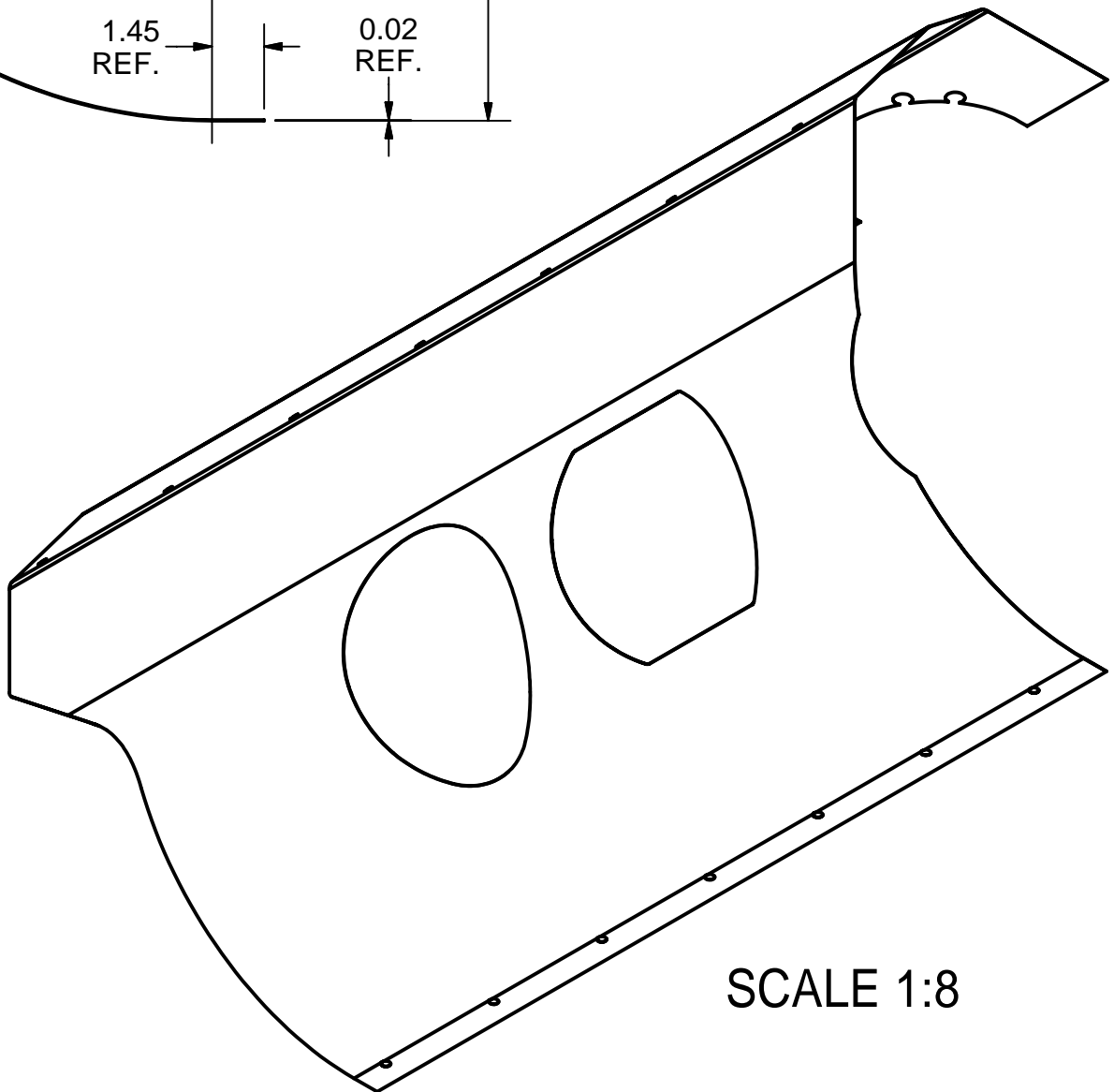
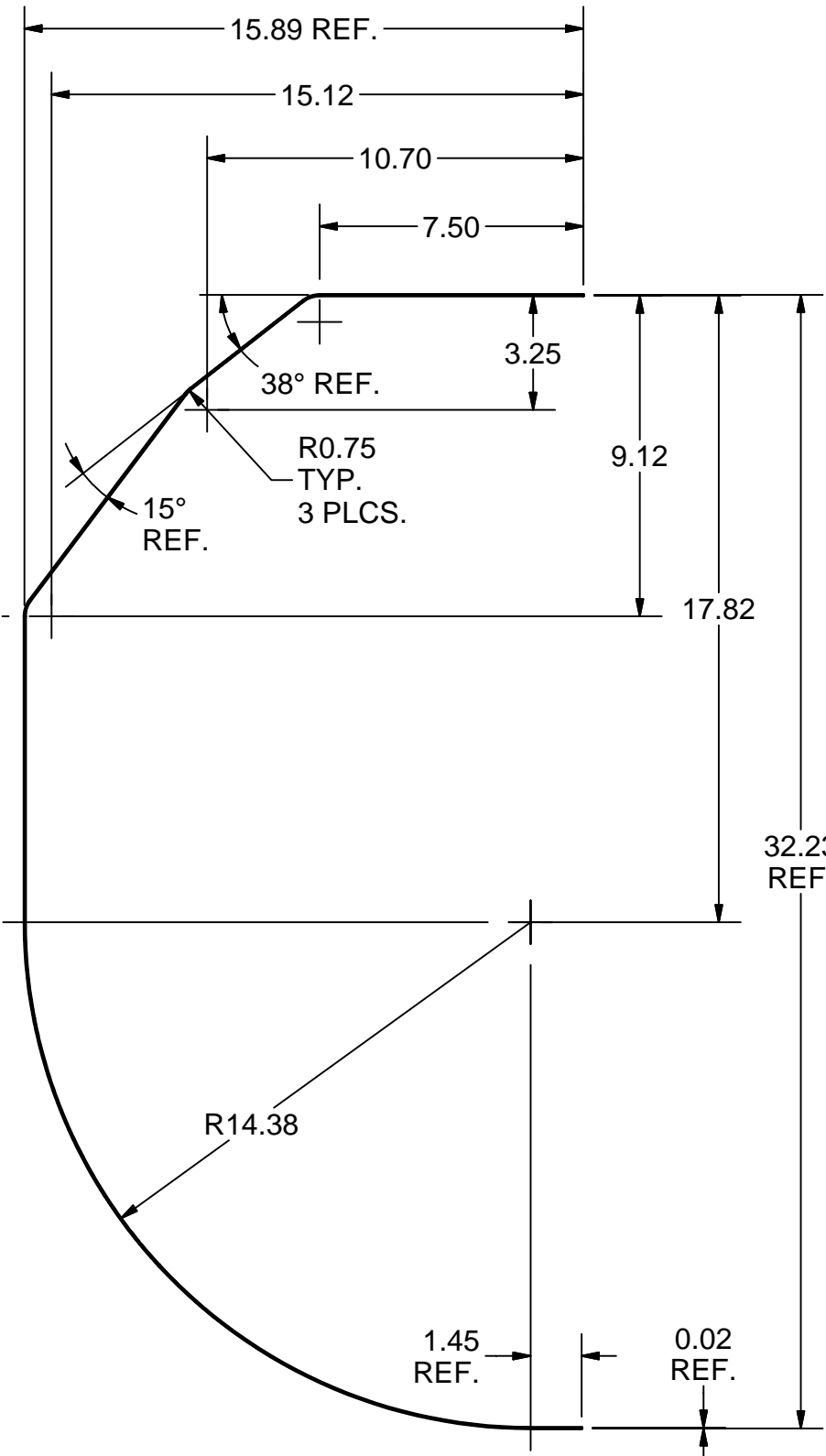


28 ENTRANCE SECTION FRONT CAP  
FILE NAME: 7102-067  
SHEET NO.: 10  
DFT. SCALE: 1:2  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES:






6 EXIT SECTION RIGHT SHEET

FILE NAME: 7102-067  
SHEET NO.: 10  
DFT. SCALE: 1:5  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES: 1. SEE NEXT SHEET FOR FLAT PATTERN.

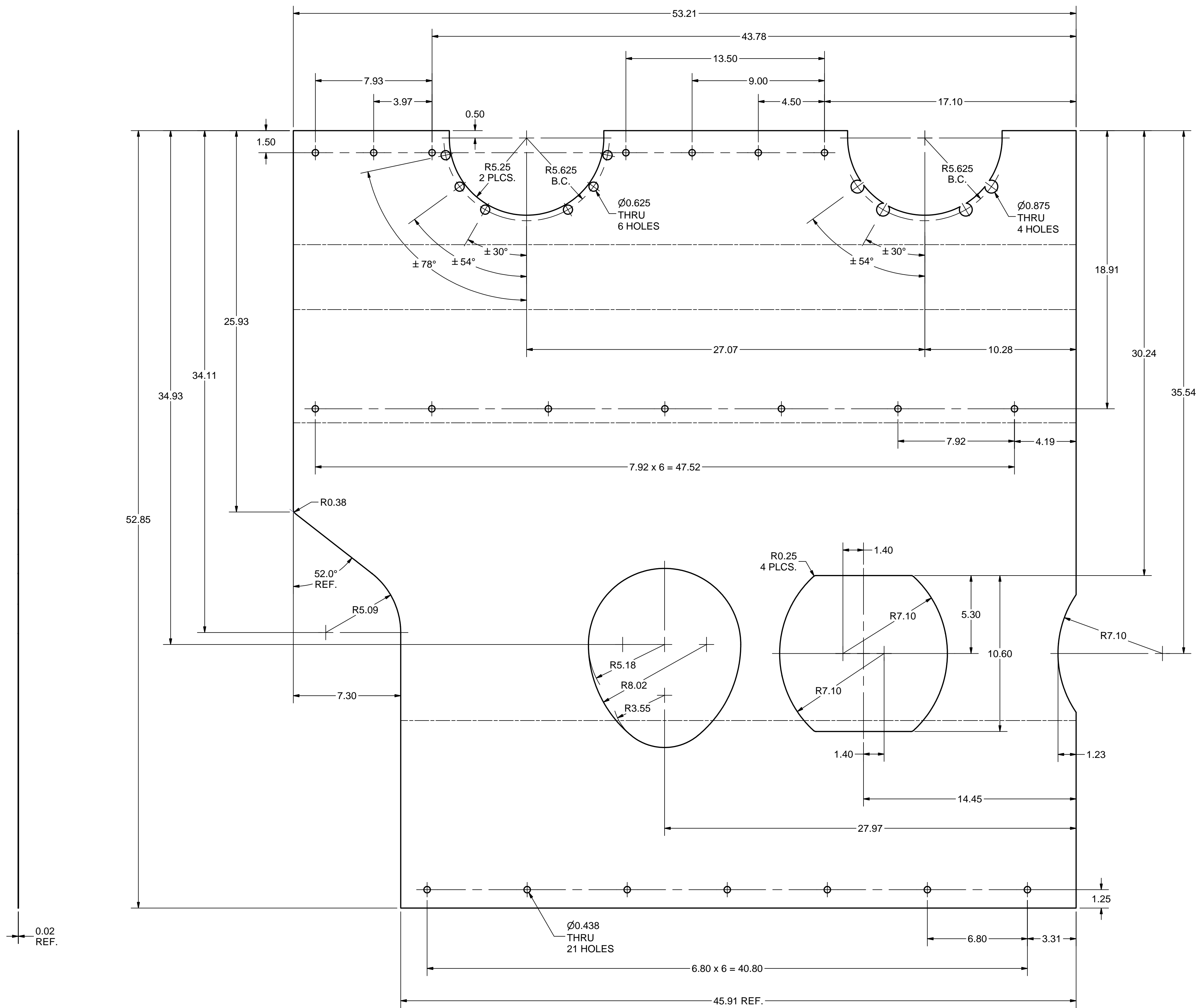


SCALE 1:8

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		ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.
					QUANTITY				
D	PRINT DISTR.	PLOT DATE: 9/4/2007 CAD FILE NAME: 7102-067.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><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>ERL INJECTOR CRYOMODULE MAGNETIC SHIELD III EXIT SECTION RIGHT SHEET; ENTRANCE SECTION FRONT CAP</div>					
7102-067 SH. NO. 10 OF 22	REV.	CHECKED BY: VM	DRAWN BY: vm	DRAWN FOR: M.Liepe	DATE: 8/21/2007	SCALE: D	7102-067 SH. NO. 10 OF 22		REV.
		APPROVED BY: EPC							




REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.

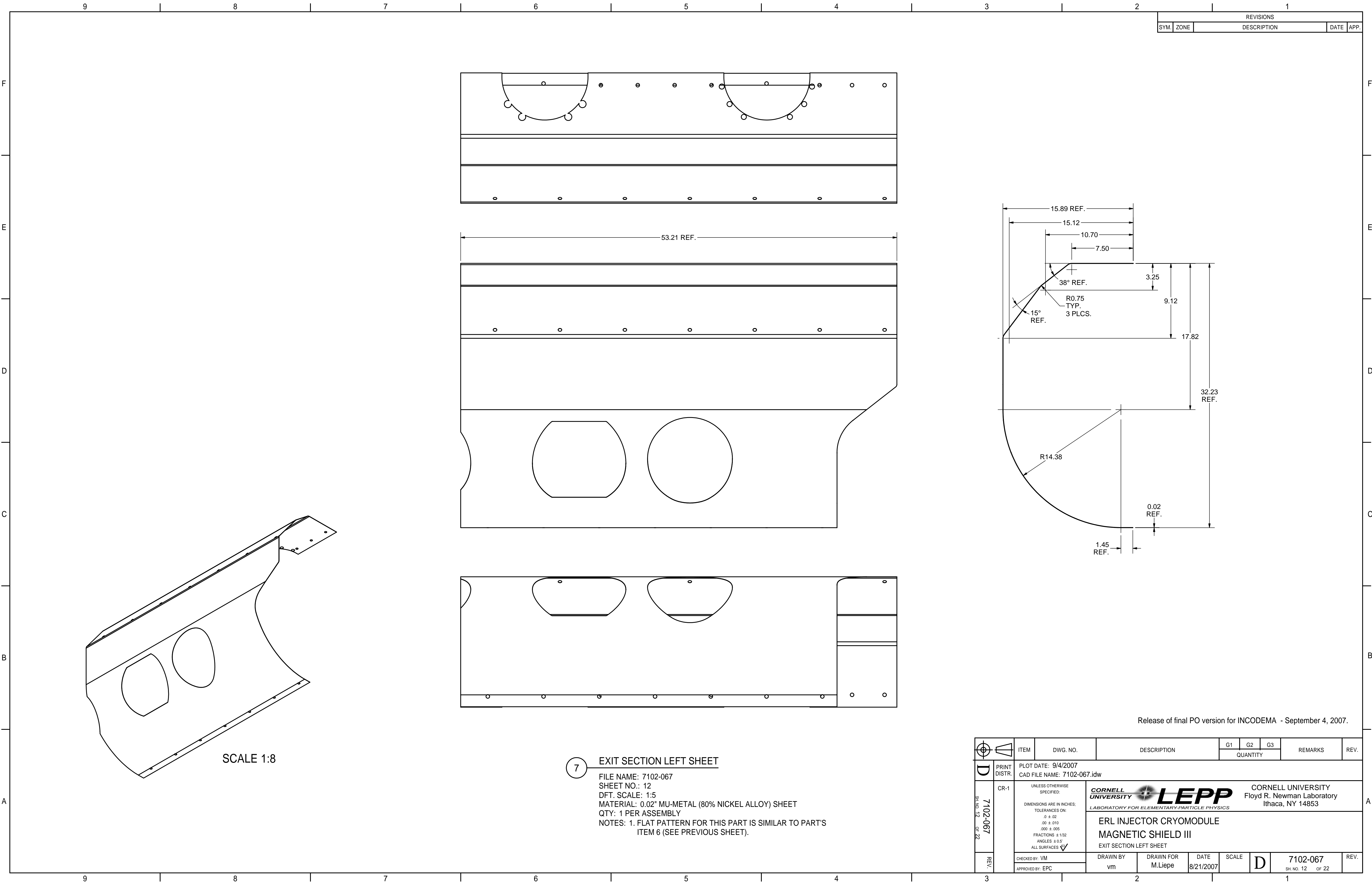


6 EXIT SECTION RIGHT SHEET (FLAT PATTERN)

FILE NAME: 7102-067  
SHEET NO.: 11  
DFT. SCALE: 1:4  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES: 1. FLAT PATTERN FOR PART ITEM 7 (NEXT SHEET)  
IS SIMILAR TO THIS ONE.  
2. SEE PREVIOUS SHEET FOR BEND PROFILE.


Release of final PO version for INCODEMA - September 4, 2007.

		ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS		REV.	
								QUANTITY					
D	PRINT DISTR.	PLOT DATE: 9/4/2007 CAD FILE NAME: 7102-067.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><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>ERL INJECTOR CRYOMODULE MAGNETIC SHIELD III EXIT SECTION RIGHT SHEET (FLAT PATTERN)</div>									
SH. NO. 11 OF 22	7102-067			DRAWN BY		DRAWN FOR		DATE		SCALE	D	7102-067	REV.
	REV.	CHECKED BY: VM APPROVED BY: EPC		vm		M.Liepe		8/21/2007					
												SH. NO. 11 OF 22	



REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.

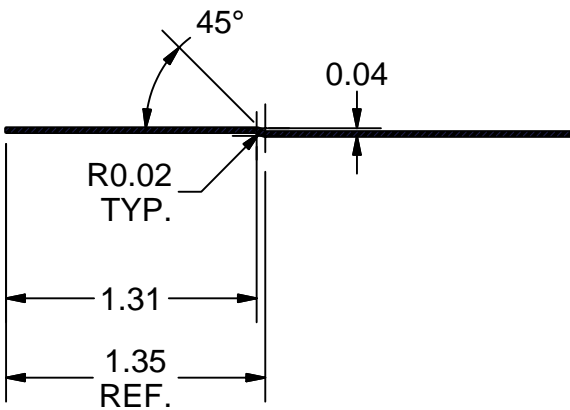
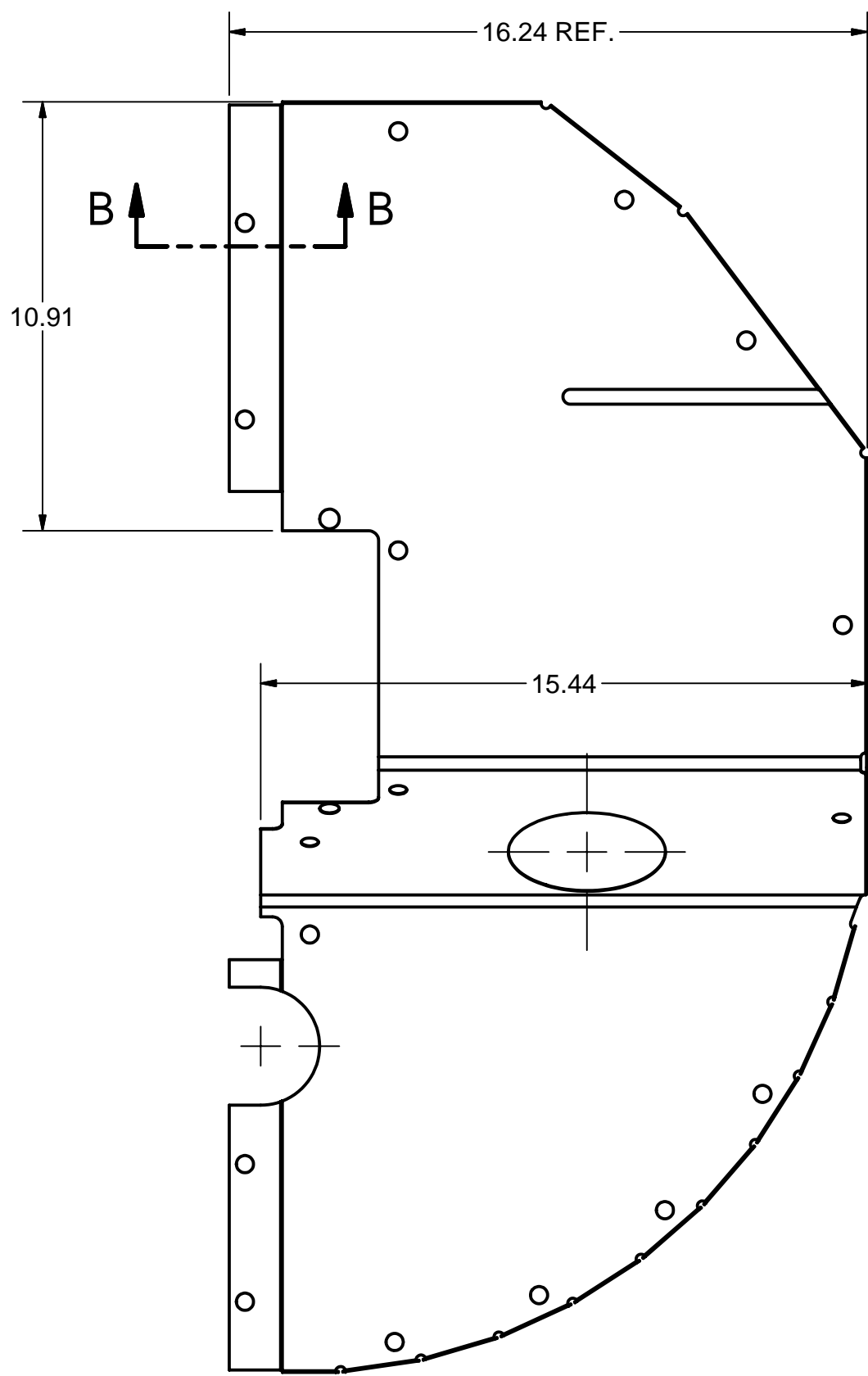
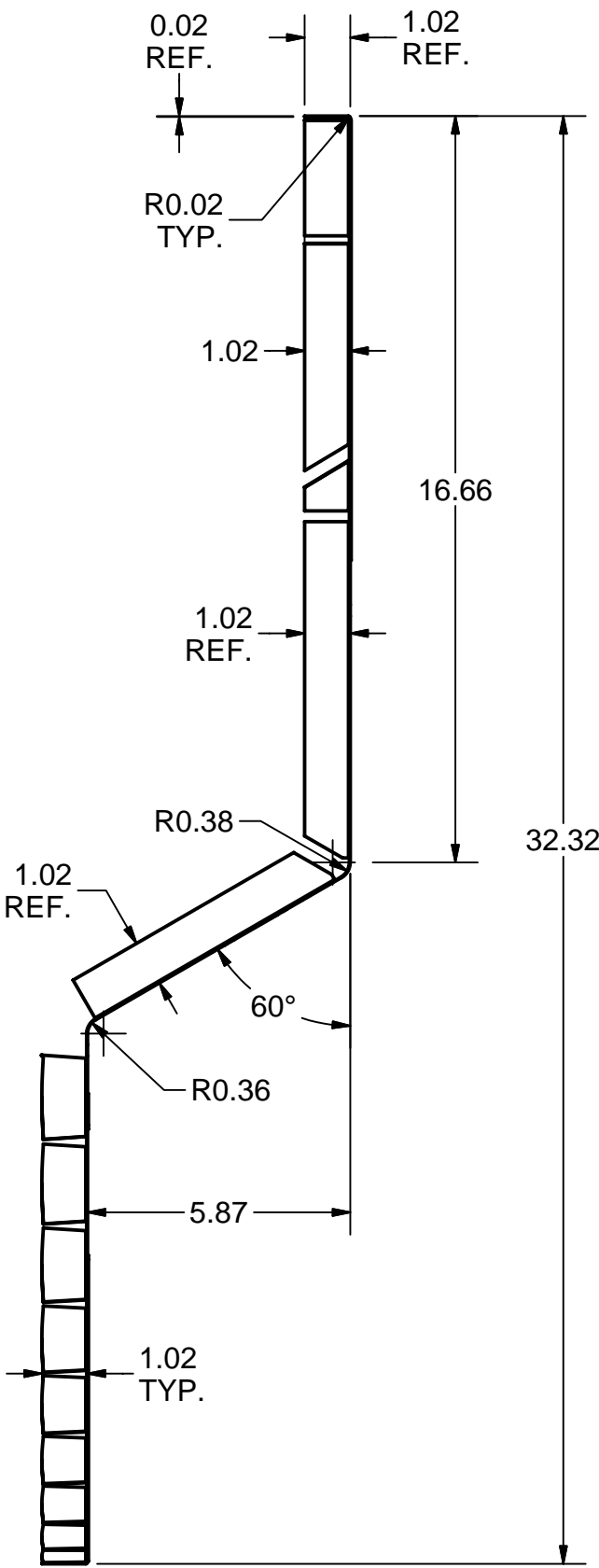
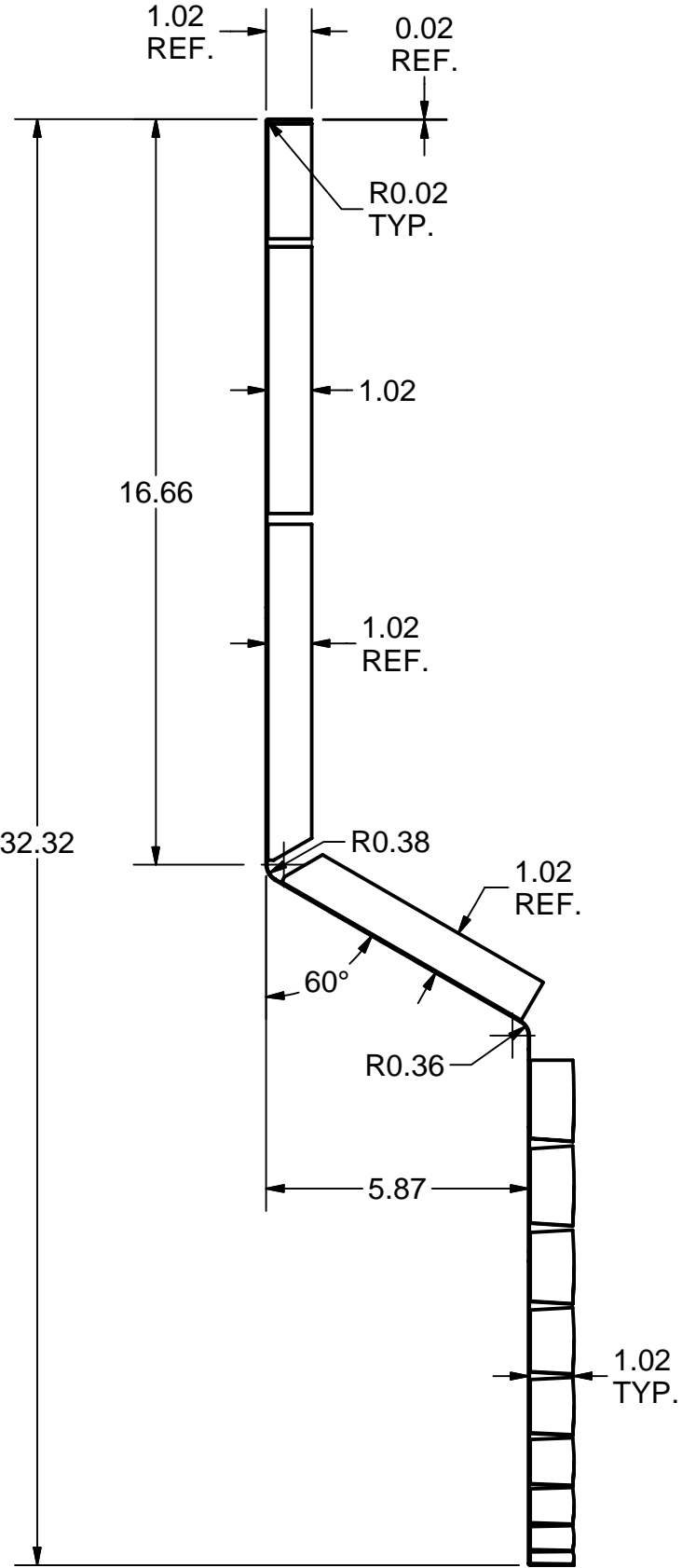
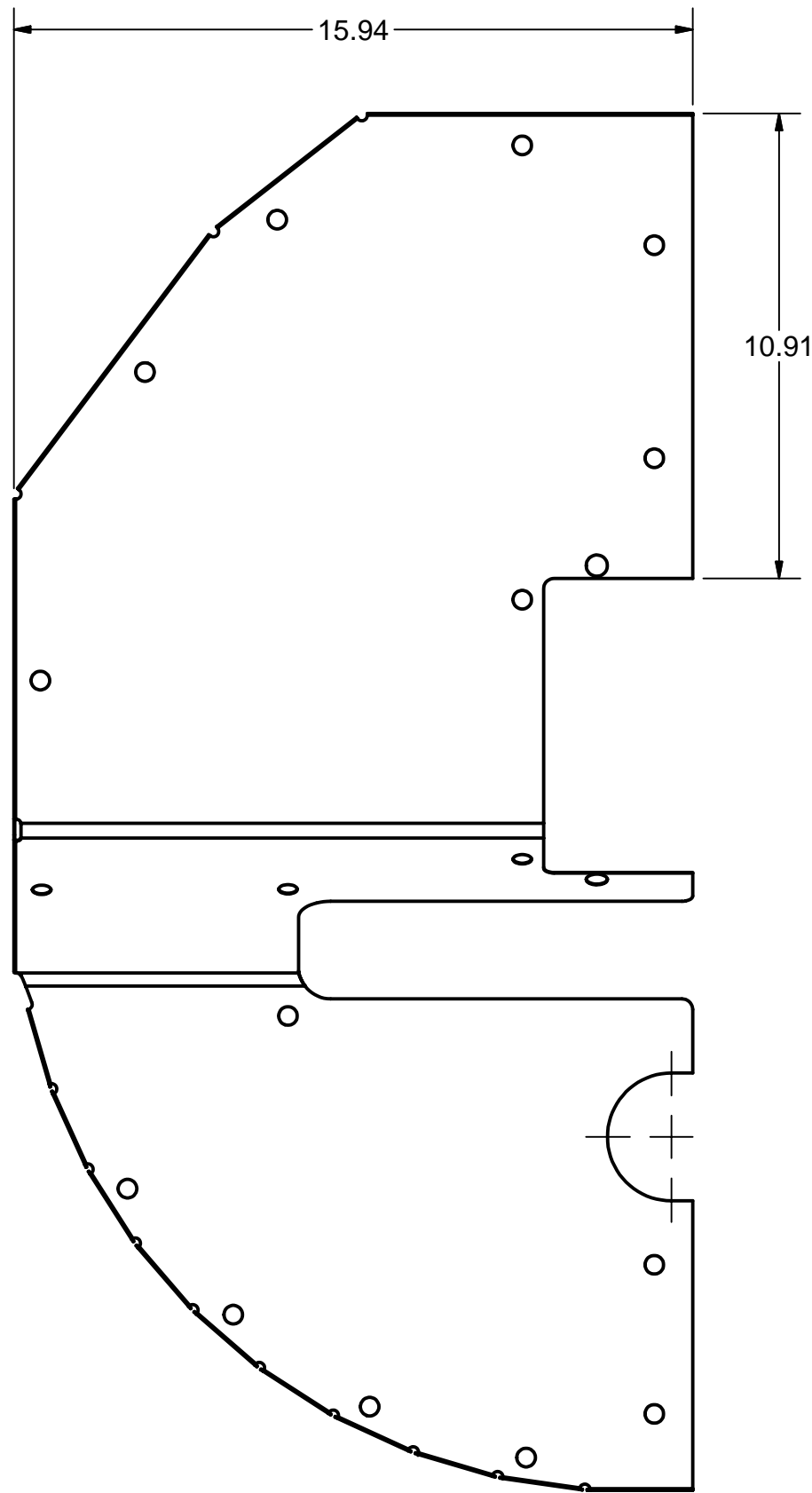
Release of final PO version for INCODEMA - September 4, 2007.

		ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.
					QUANTITY				
D	PRINT DISTR.	PLOT DATE: 9/4/2007 CAD FILE NAME: 7102-067.idw							
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SH. NO. 12 OF 22	7102-067	ERL INJECTOR CRYOMODULE MAGNETIC SHIELD III EXIT SECTION LEFT SHEET							
	REV.	CHECKED BY: VM	DRAWN BY: vm	DRAWN FOR: M.Liepe	DATE: 8/21/2007	SCALE	D	7102-067	REV.
		APPROVED BY: EPC	SH. NO. 12 OF 22						

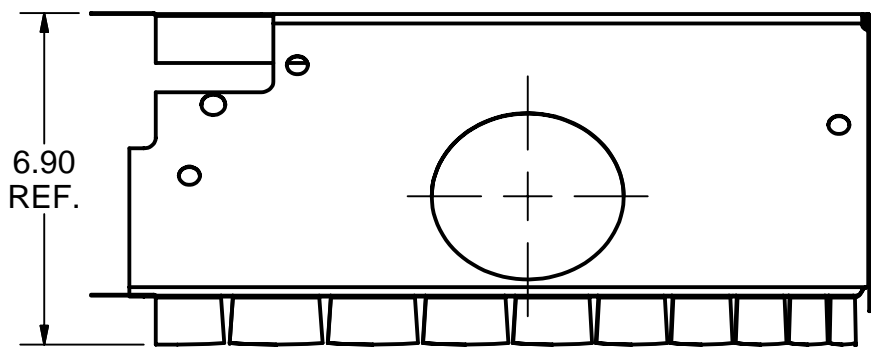
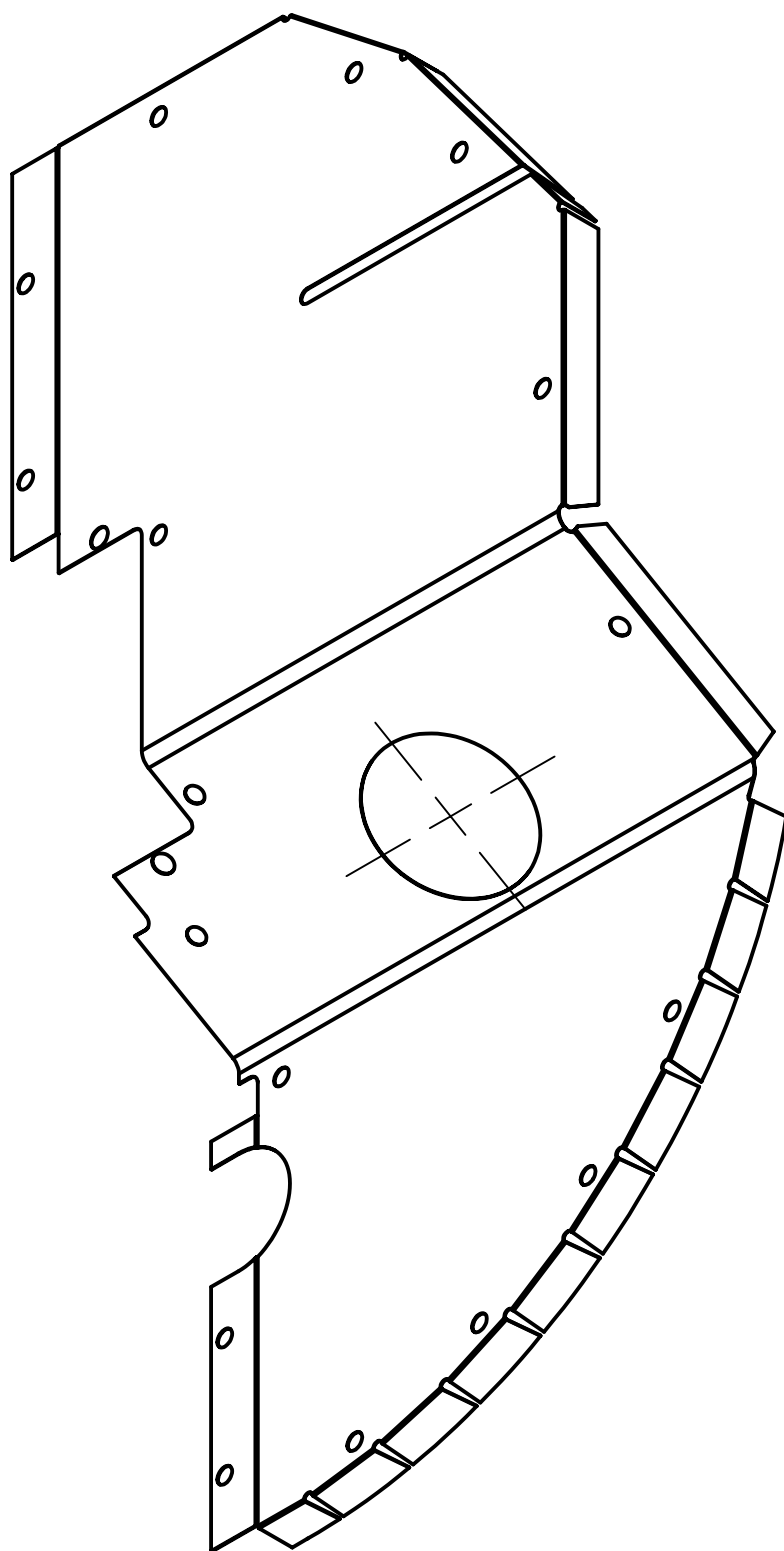
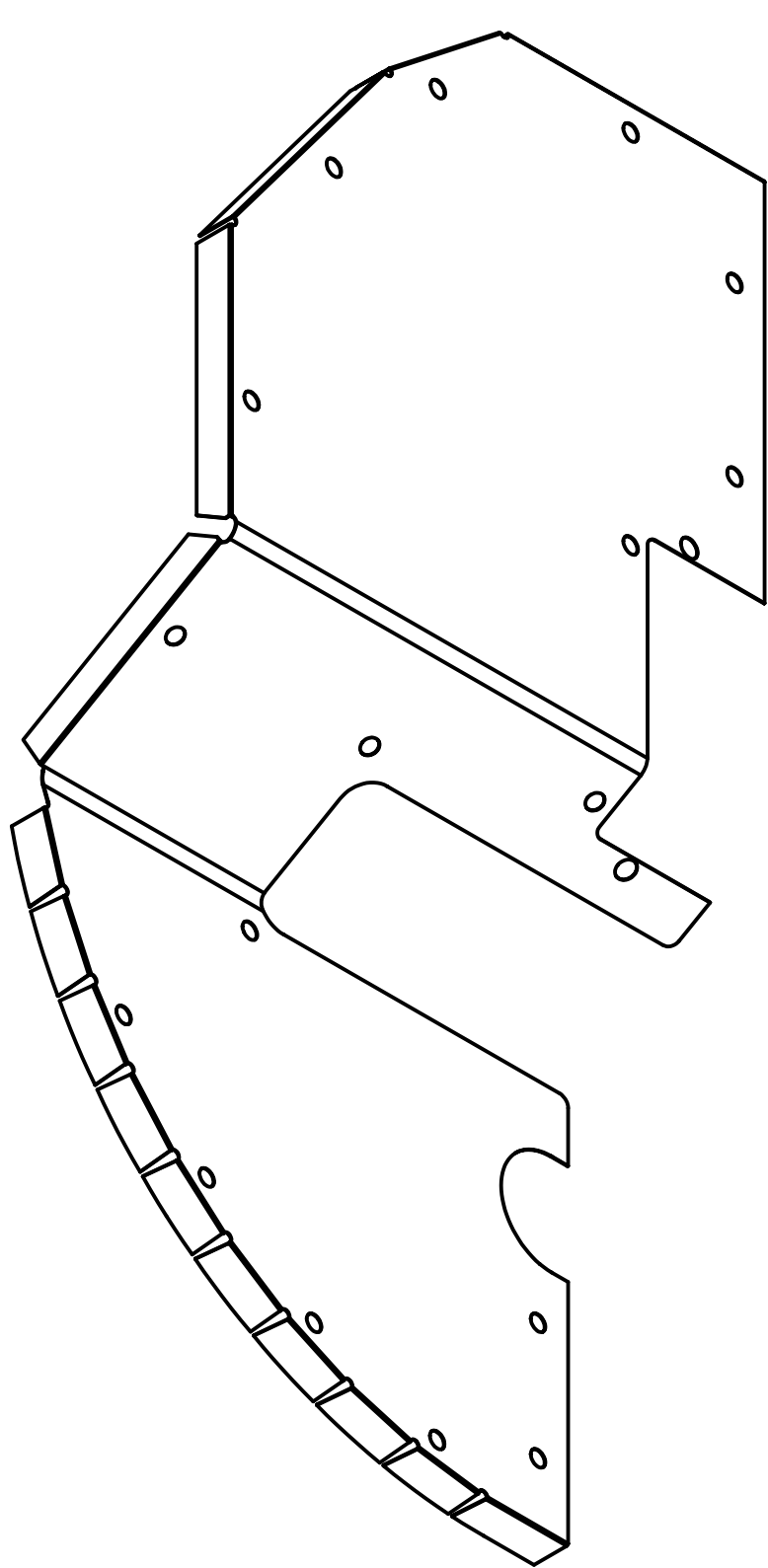
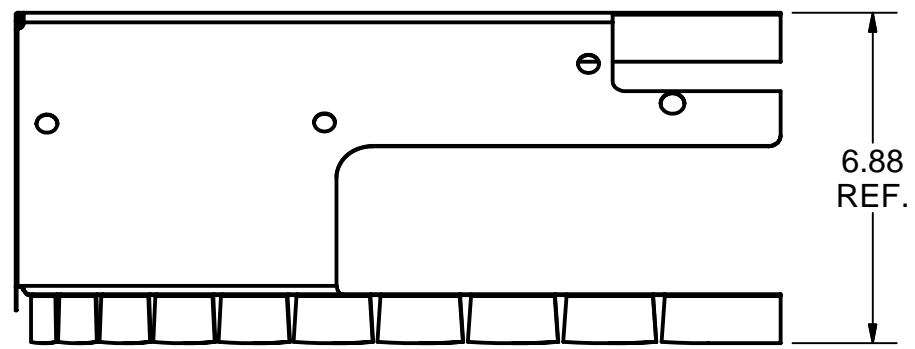
7 EXIT SECTION LEFT SHEET

FILE NAME: 7102-067  
SHEET NO.: 12  
DFT. SCALE: 1:5  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES: 1. FLAT PATTERN FOR THIS PART IS SIMILAR TO PART'S ITEM 6 (SEE PREVIOUS SHEET).

REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.



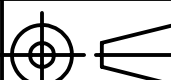




SECTION B-B  
TYP.  
3 PLCS.  
SCALE 1:1



9 ENTRANCE SECTION LEFT FRONT SHEET  
FILE NAME: 7102-067  
SHEET NO.: 13  
DFT. SCALE: 1:4  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES: 1. SEE SHEET 15 FOR FLAT PATTERN.

8 ENTRANCE SECTION RIGHT FRONT SHEET  
FILE NAME: 7102-067  
SHEET NO.: 13  
DFT. SCALE: 1:4  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES: 1. SEE NEXT SHEET FOR FLAT PATTERN.

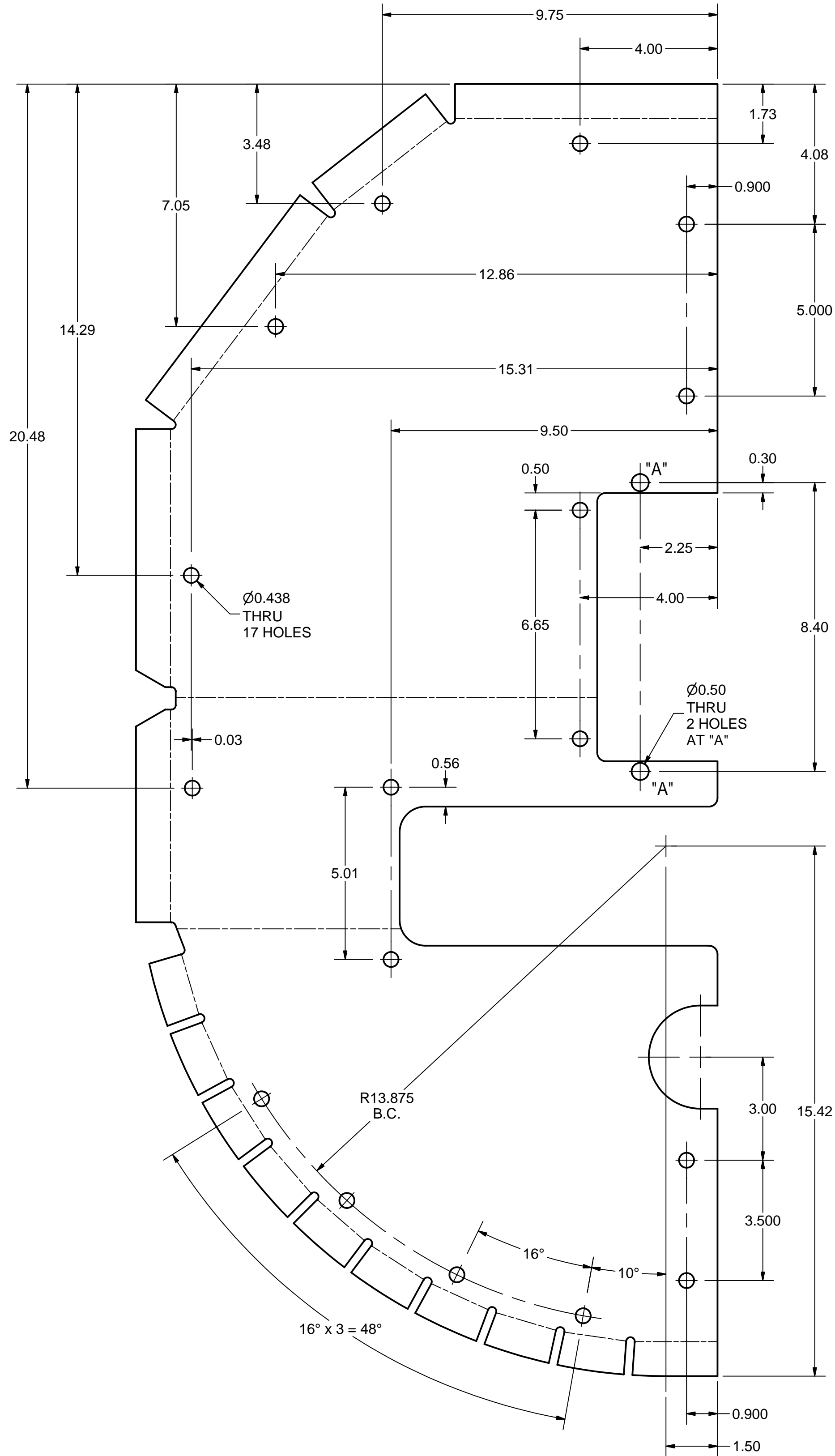
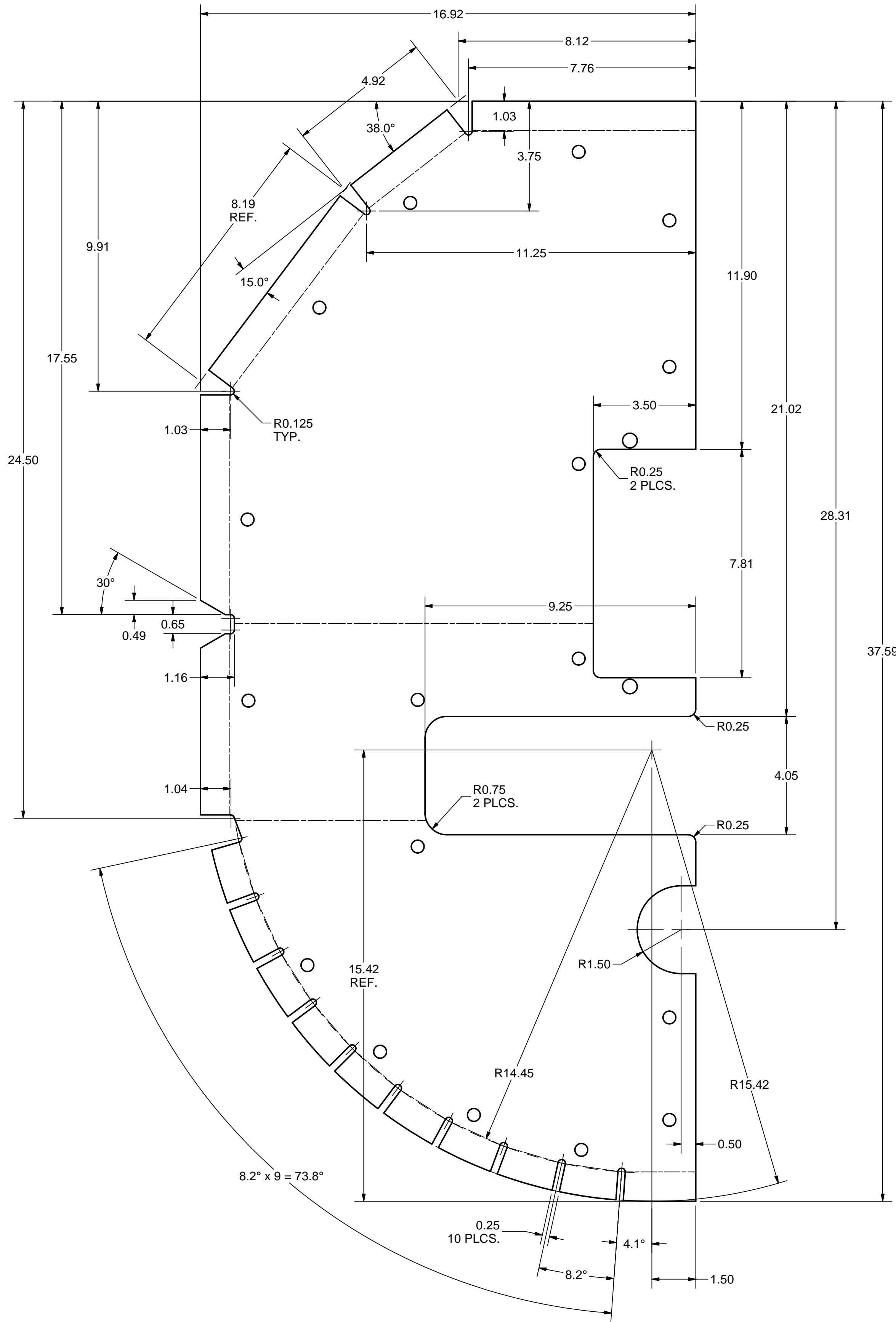
Release of final PO version for INCODEMA - September 4, 2007.

		ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS	REV.
		QUANTITY									
	PRINT DISTR.	PLOT DATE: 9/4/2007 CAD FILE NAME: 7102-067.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>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div></div> <div>ERL INJECTOR CRYOMODULE MAGNETIC SHIELD III ENTRANCE SECTION RIGHT FRONT SHEET; ENTRANCE SECTION LEFT FRONT SHEET</div>							
SH. NO. 13 OF 22	7102-067	CHECKED BY: VM		DRAWN BY vm	DRAWN FOR M.Liepe	DATE 8/21/2007	SCALE		7102-067	REV.	
REV.		APPROVED BY: EPC							SH. NO. 13 OF 22		



REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.

"A"



Release of final PO version for INCODEMA - September 4, 2007.

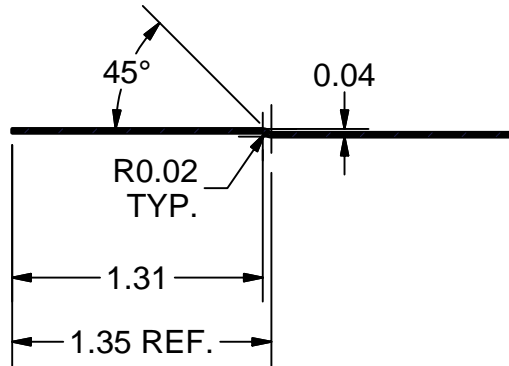
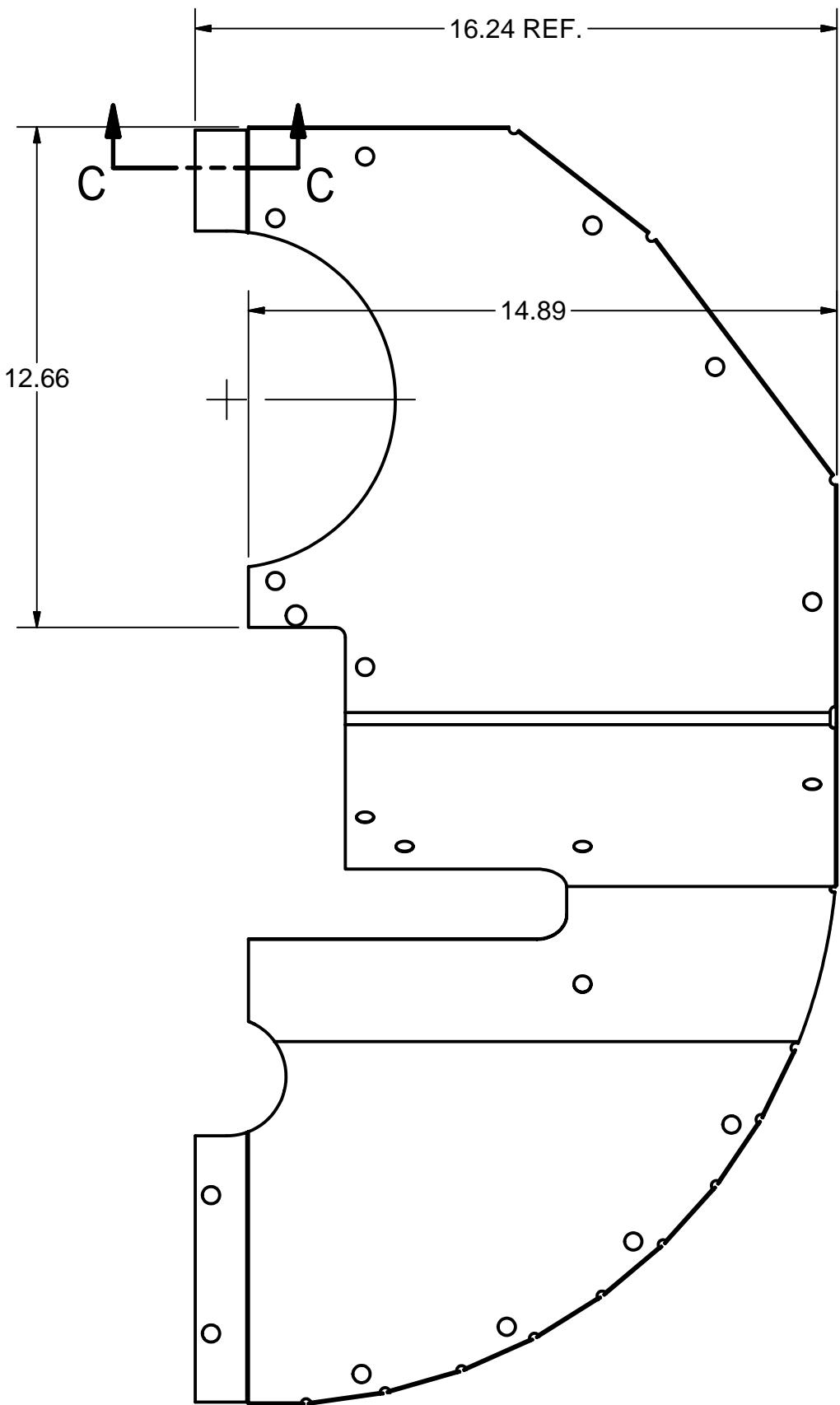
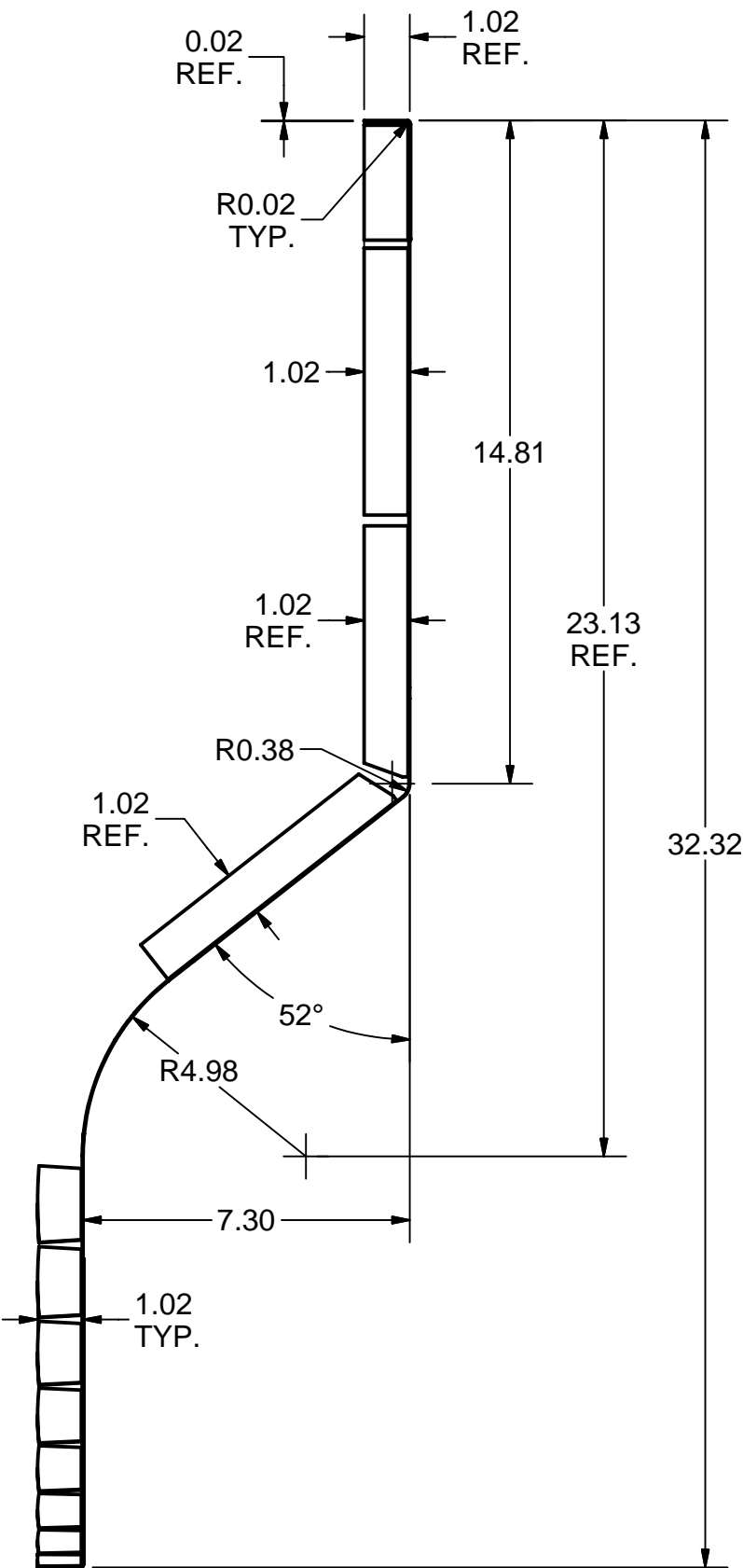
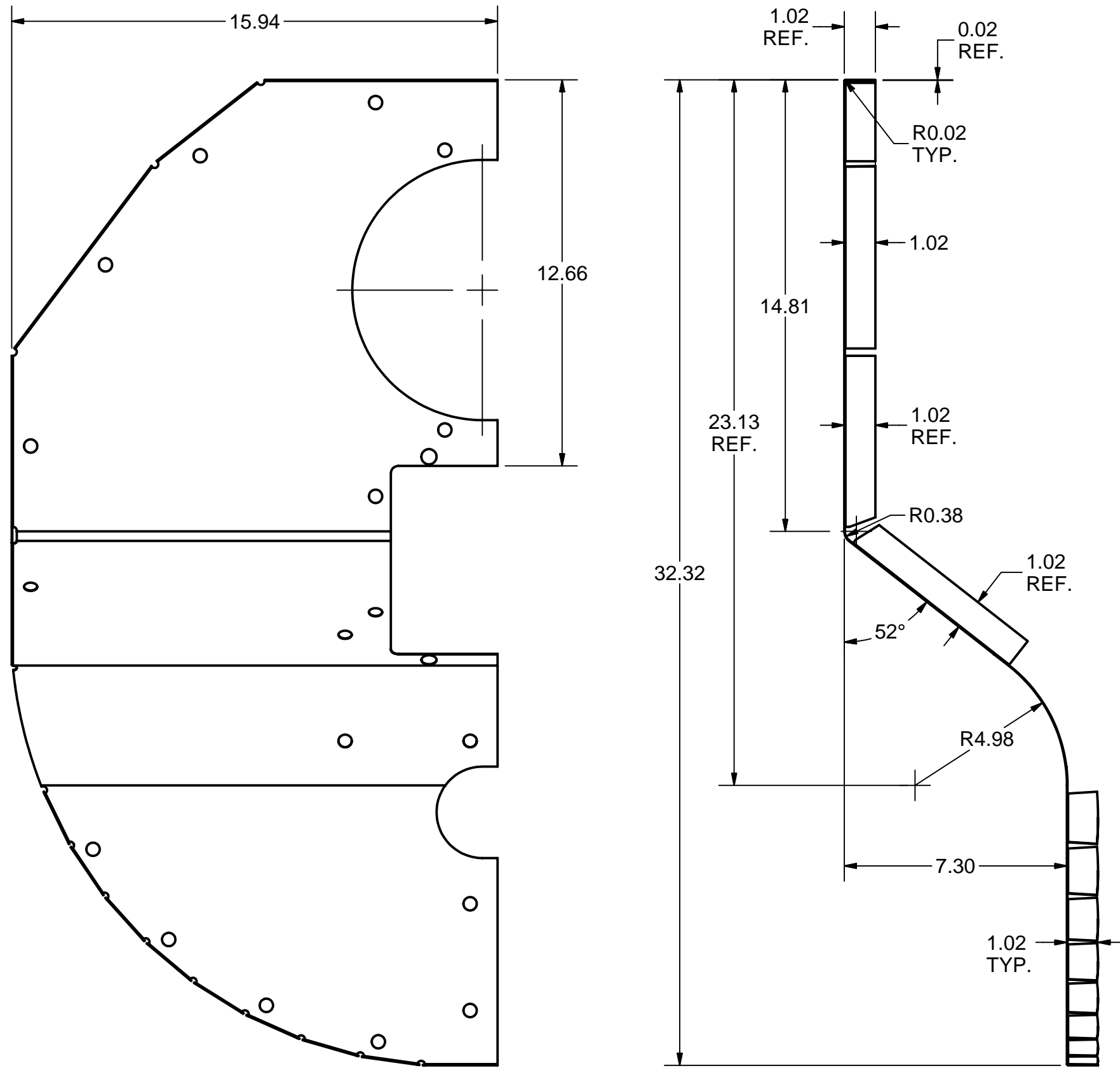
8 ENTRANCE SECTION RIGHT FRONT SHEET (FLAT PATTERN)

FILE NAME: 7102-067  
SHEET NO.: 14  
DFT. SCALE: 1:2.5  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES: 1. TWO "FRONT" VIEWS WERE USED TO DIMENSION  
DIFFERENT FEATURES OF THE SAME PART.  
2. SEE PREVIOUS SHEET FOR BEND PROFILE.

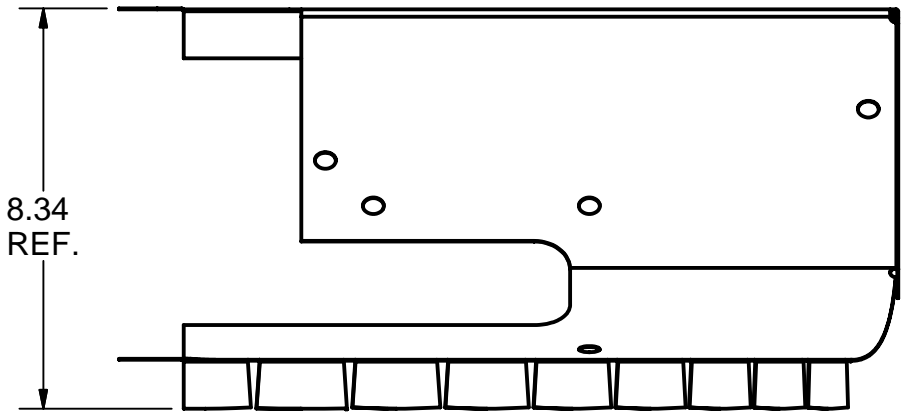
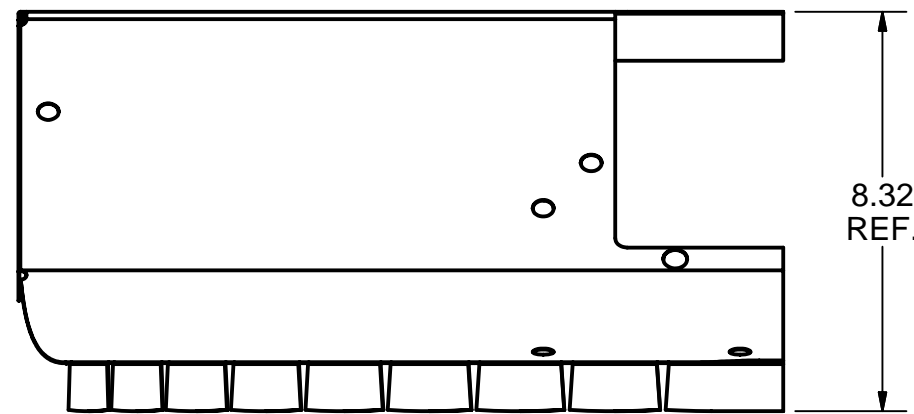
		ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.
					QUANTITY				
D	PRINT DISTR.	PLOT DATE: 9/4/2007 CAD FILE NAME: 7102-067.idw							
	CR-1	UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES; TOLERANCES ON: .0 ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES		 <b>CORNELL UNIVERSITY</b> <b>LEPP</b> LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS		CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853			
SH. NO. 14 OF 22	7102-067			ERL INJECTOR CRYOMODULE  MAGNETIC SHIELD III  ENTRANCE SECTION RIGHT FRONT SHEET (FLAT PATTERN)					
REV.	CHECKED BY: VM  APPROVED BY: EPC	DRAWN BY  vm	DRAWN FOR  M.Liepe	DATE  8/21/2007	SCALE	D		7102-067  SH. NO. 14 OF 22	REV.



REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.



SECTION C-C  
TYP.  
2 PLCS.  
SCALE 1:1



11 EXIT SECTION LEFT FRONT SHEET  
FILE NAME: 7102-067  
SHEET NO.: 16  
DFT. SCALE: 1:4  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES: 1. SEE NEXT SHEET FOR FLAT PATTERN.

10 EXIT SECTION RIGHT FRONT SHEET  
FILE NAME: 7102-067  
SHEET NO.: 16  
DFT. SCALE: 1:4  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES: 1. SEE SHEET 18 FOR FLAT PATTERN.

Release of final PO version for INCODEMA - September 4, 2007.

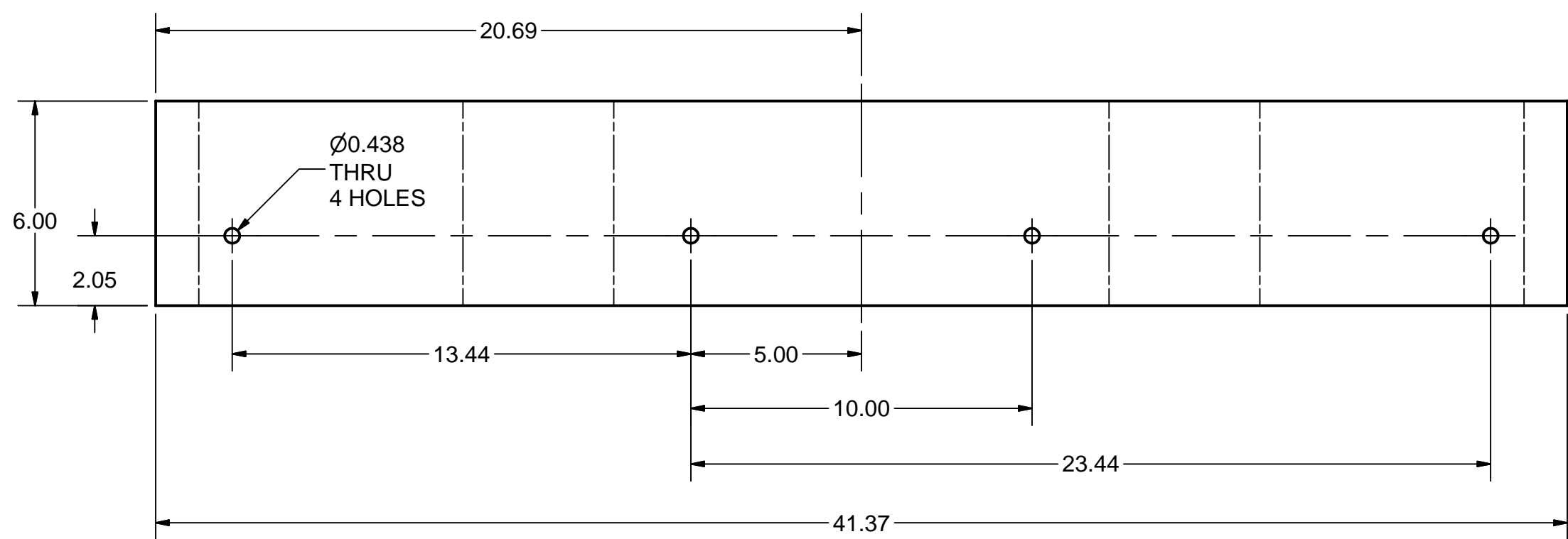
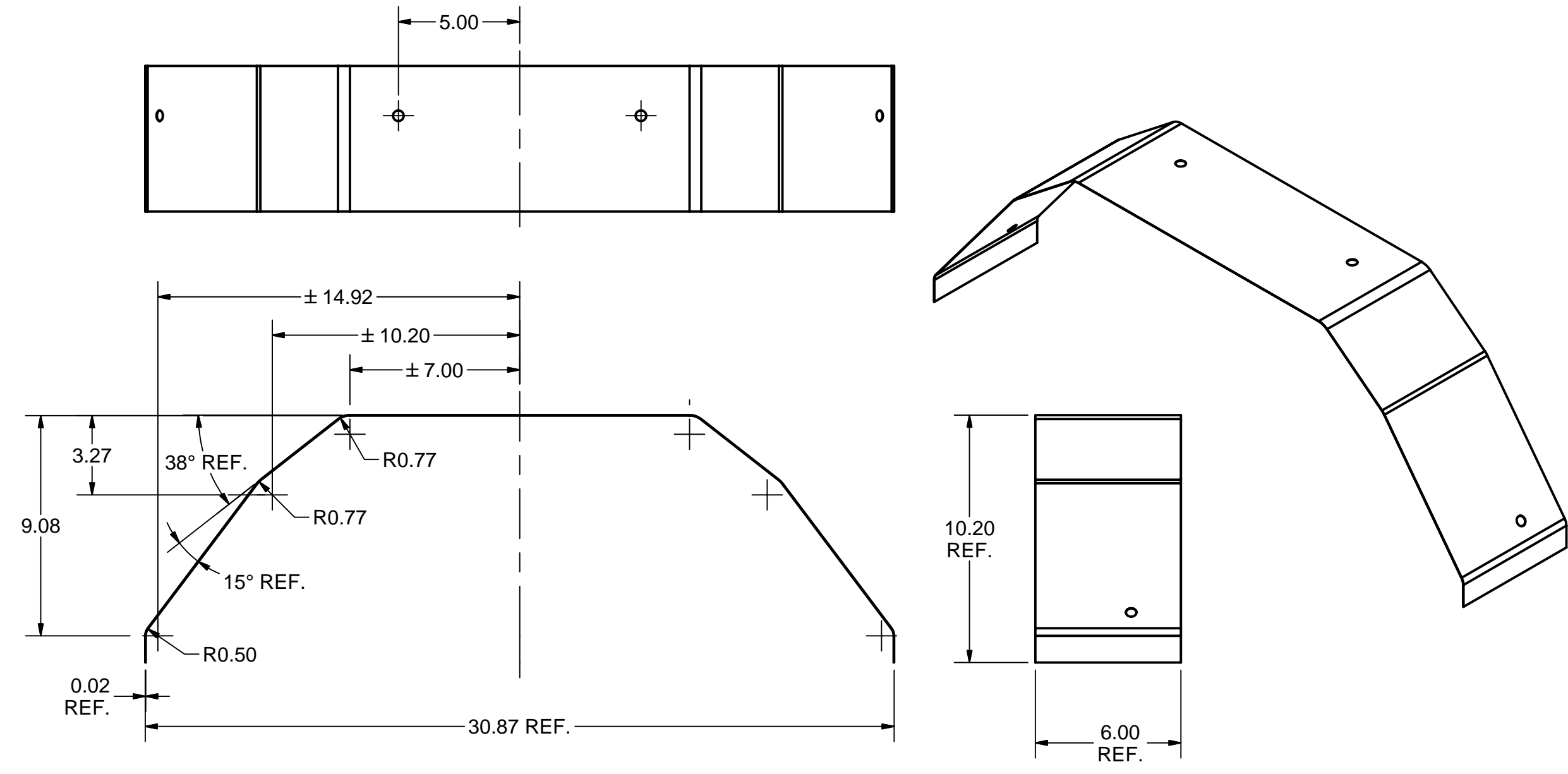
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		QUANTITY											
D	PRINT DISTR.	PLOT DATE: 9/4/2007 CAD FILE NAME: 7102-067.idw											
	CR-1	UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES: TOLERANCES ON:  .0 ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES ✓			<div><div><div>CORNELL UNIVERSITY</div><div></div><div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div></div><div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div></div>								
7102-067 SH. NO. 16 OF 22		<div>ERL INJECTOR CRYOMODULE MAGNETIC SHIELD III EXIT SECTION RIGHT FRONT SHEET; EXIT SECTION LEFT FRONT SHEET</div>											
REV.	CHECKED BY: VM	DRAWN BY vm		DRAWN FOR M.Liepe		DATE 8/21/2007		SCALE		D	7102-067 SH. NO. 16 OF 22		REV.
	APPROVED BY: EPC												





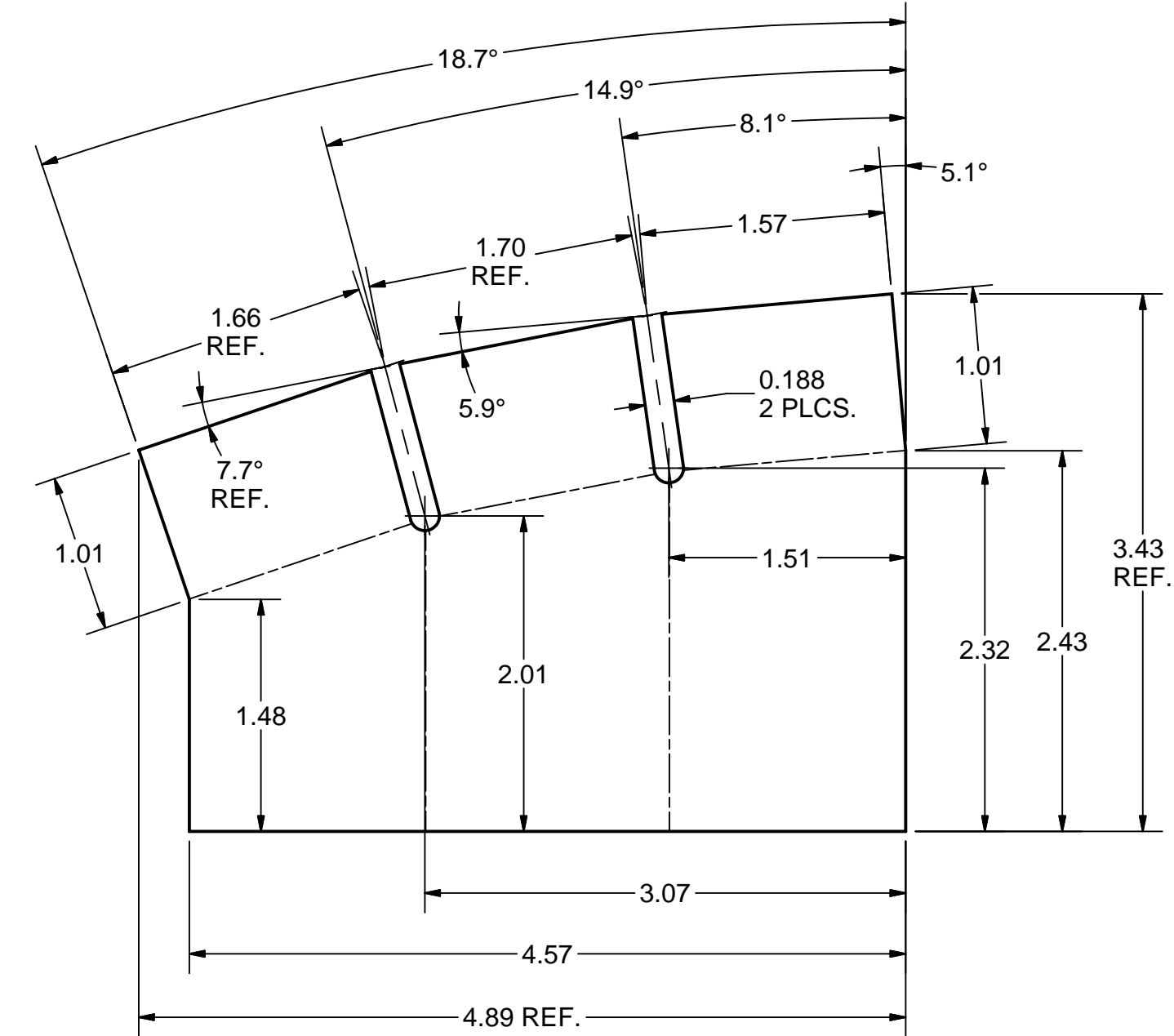


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SYM.	ZONE	DESCRIPTION	DATE	APP.

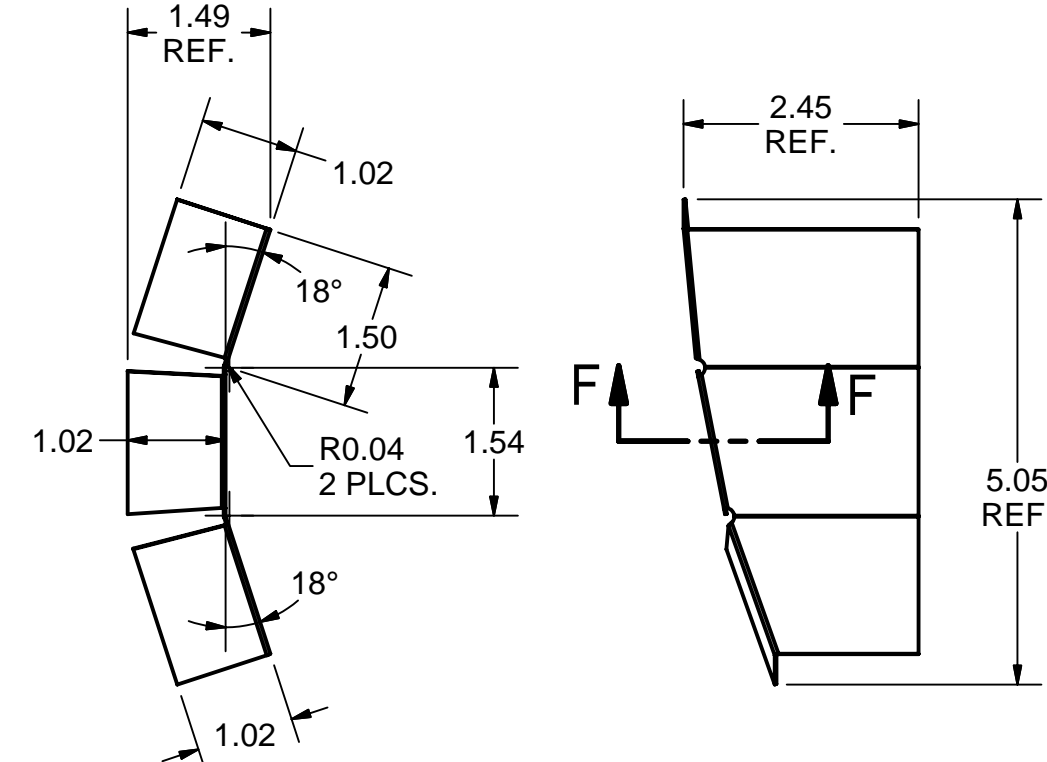


FLAT PATTERN  
SCALE 1:4

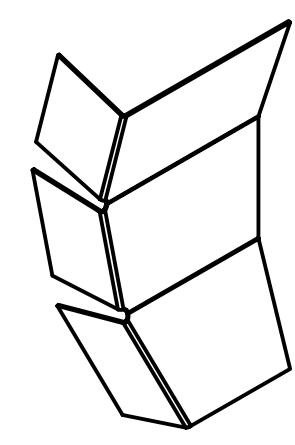
12 TOP COVER STRIP  
FILE NAME: 7102-067  
SHEET NO.: 19  
DFT. SCALE: 1:5  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 2 PER ASSEMBLY  
NOTES:



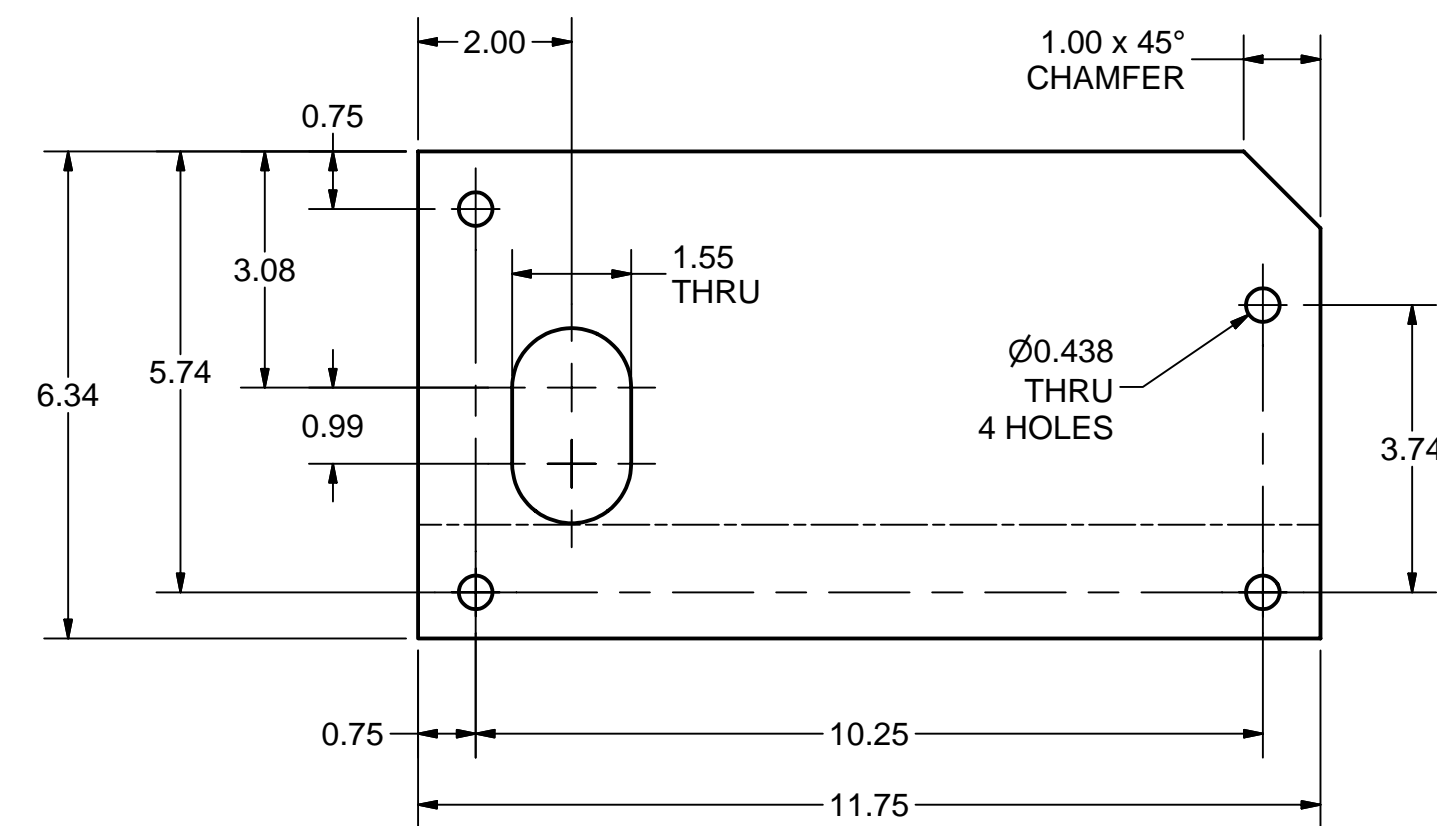
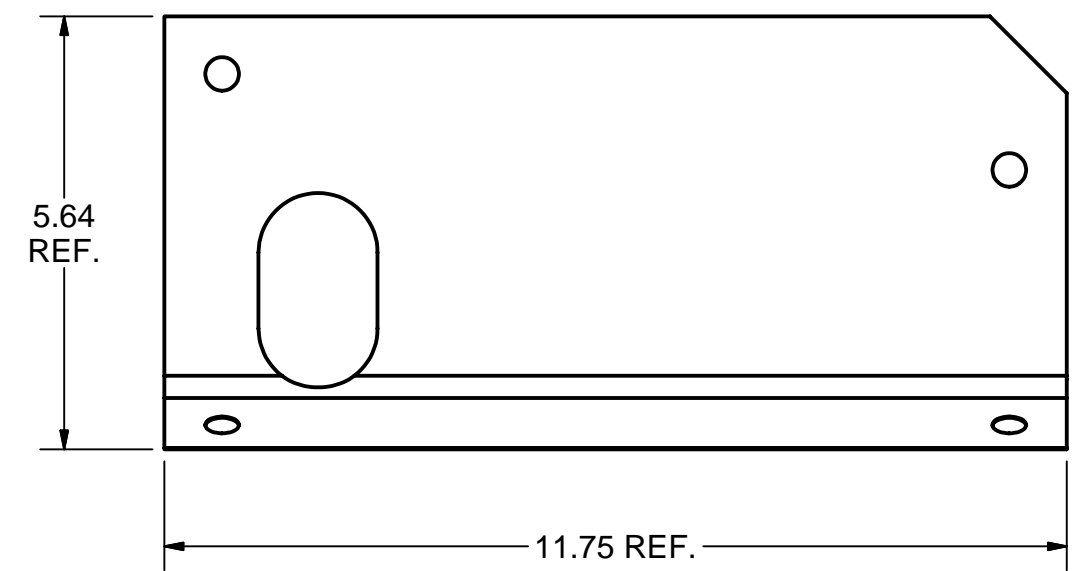
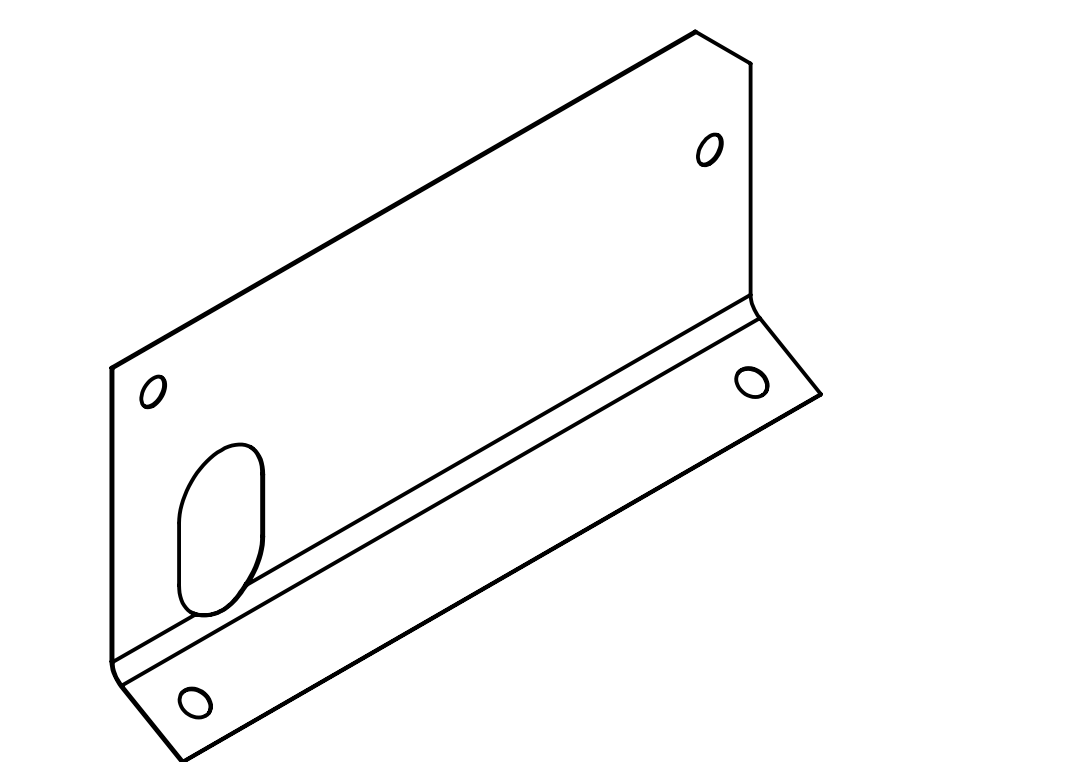
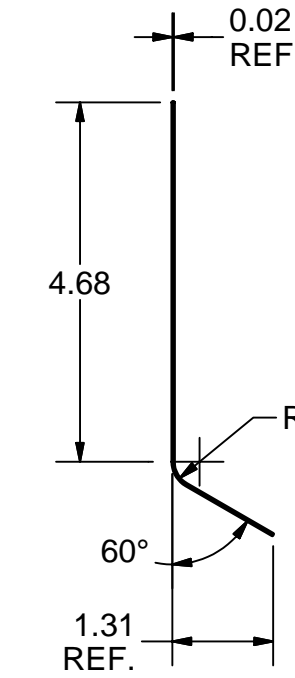
FLAT PATTERN  
SCALE 1:1



SECTION F-F

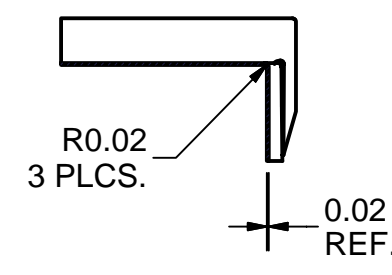
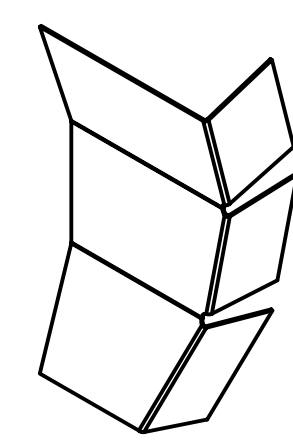


23 EXIT SECTION SIDE PATCH 1  
FILE NAME: 7102-067  
SHEET NO.: 19  
DFT. SCALE: 1:2  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES:

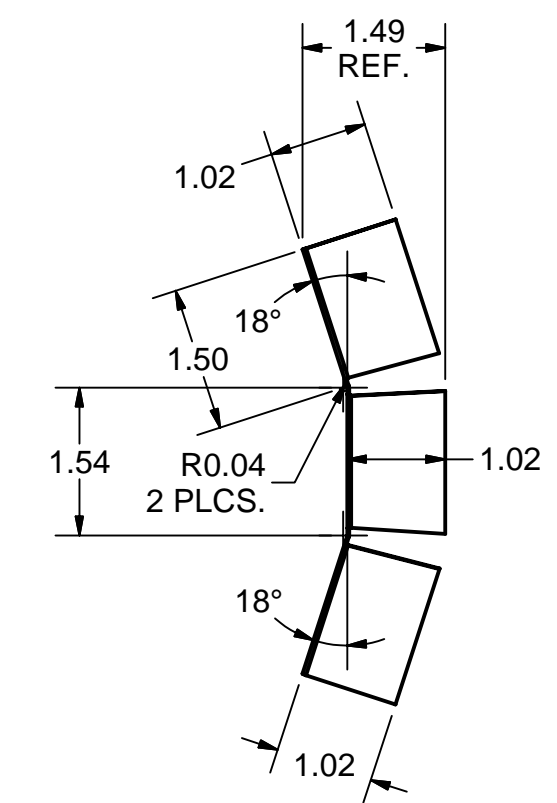
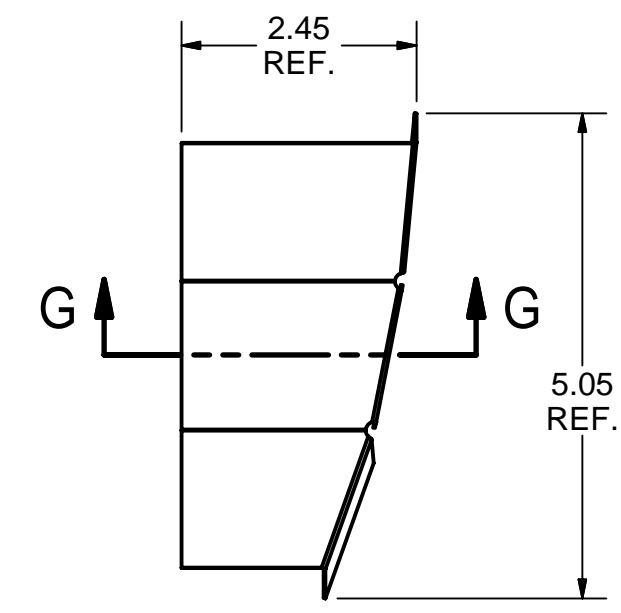


FLAT PATTERN

19 ENTRANCE SECTION FRONT PATCH 1  
FILE NAME: 7102-067  
SHEET NO.: 19  
DFT. SCALE: 1:2.5  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES:



SECTION G-G



24 EXIT SECTION SIDE PATCH 2  
FILE NAME: 7102-067  
SHEET NO.: 19  
DFT. SCALE: 1:2  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES: 1. FLAT PATTERN IS SIMILAR TO PART'S ITEM 23.

Release of final PO version for INCODEMA - September 4, 2007.

		ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.
					QUANTITY				
D	PRINT DISTR.	PLOT DATE: 9/4/2007 CAD FILE NAME: 7102-067.idw							
	CR-1	<div>UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN INCHES; TOLERANCES ON: Ø ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES ✓</div>	<div><div><div>CORNELL UNIVERSITY</div><div></div><div>LEPP</div><div>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</div></div><div>CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853</div></div>						
			ERL INJECTOR CRYOMODULE MAGNETIC SHIELD III						
			TOP COVER STRIP; ENTRANCE SECTION FRONT PATCH 1; EXIT SECTION SIDE PATCHES 1 AND 2						
REV.	CHECKED BY: VM	DRAWN BY	DRAWN FOR	DATE	SCALE	D	7102-067	REV.	
	APPROVED BY: EPC	vm	M.Liepe	8/21/2007			SH. NO. 19 OF 22		



REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.

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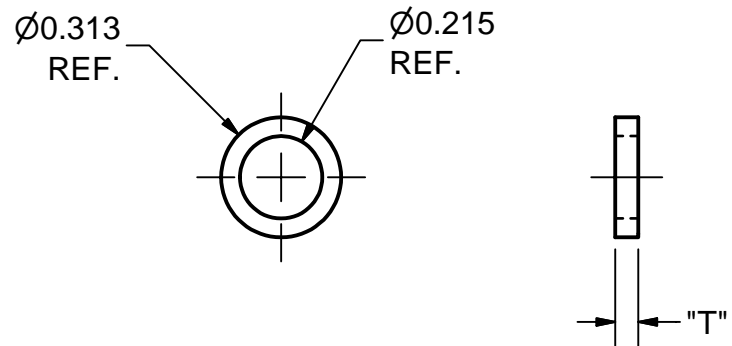
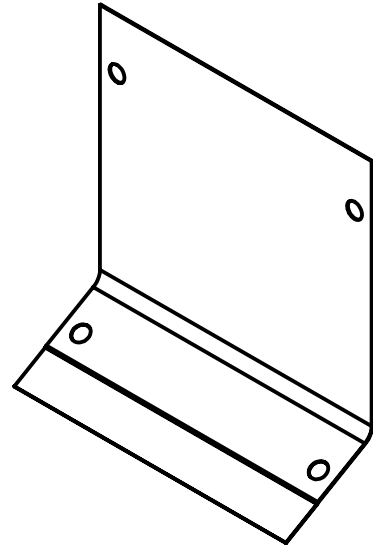
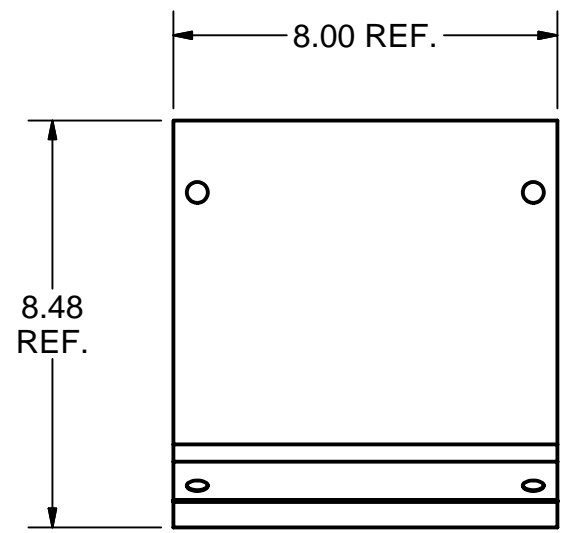
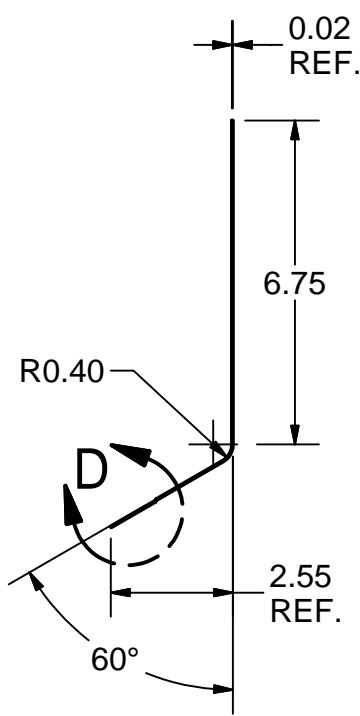
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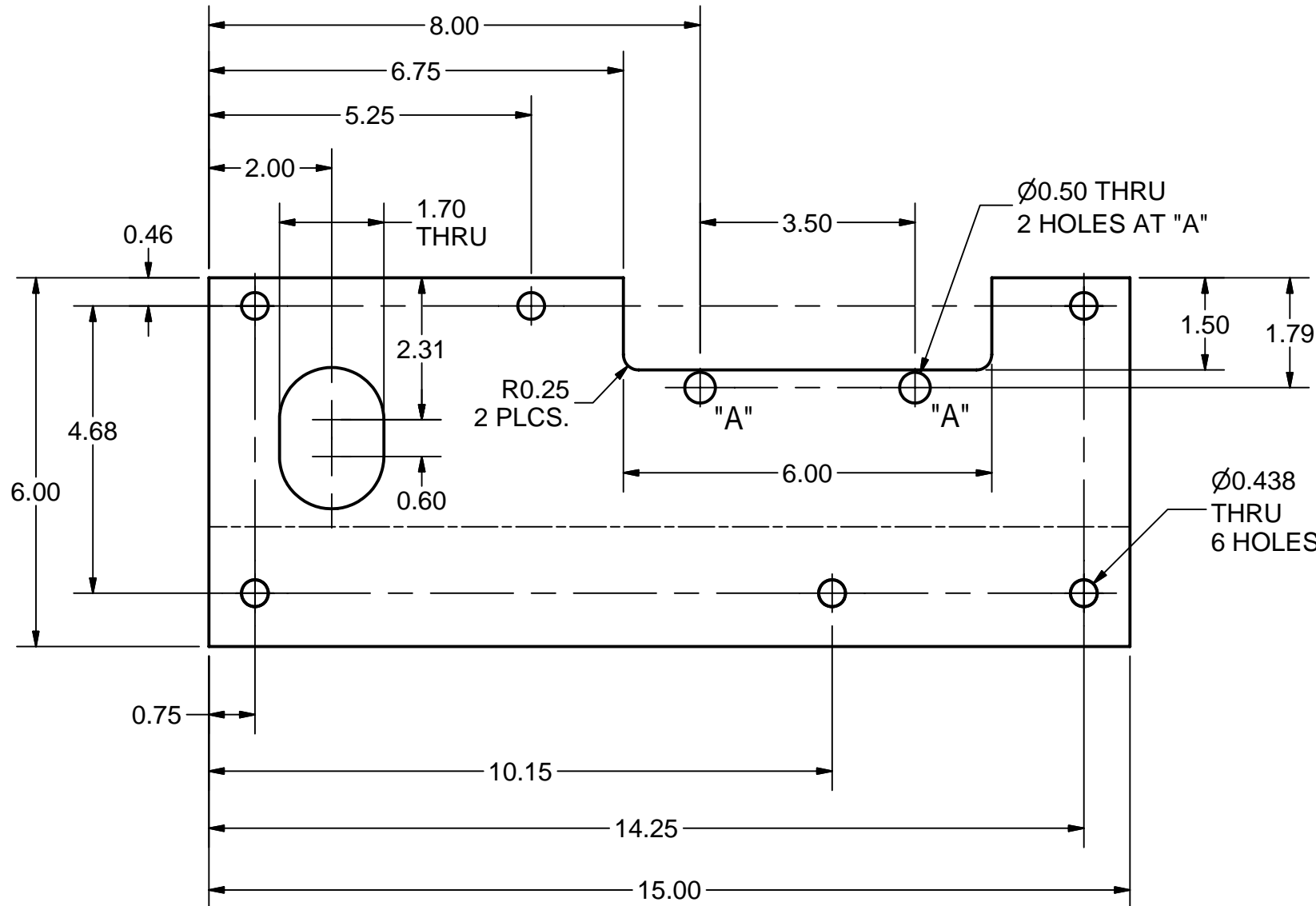
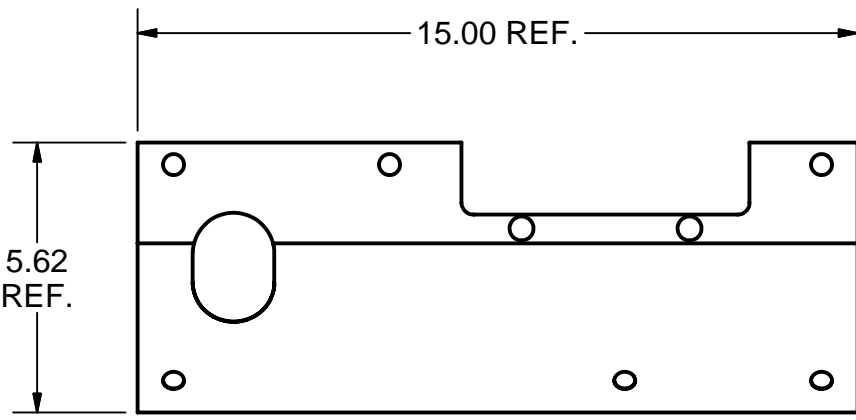
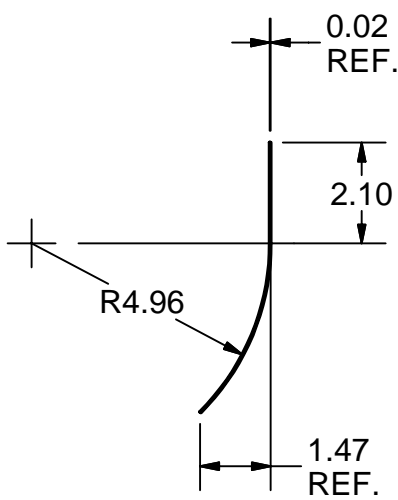
REVISIONS			
SYM.	ZONE	DESCRIPTION	DATE APP.



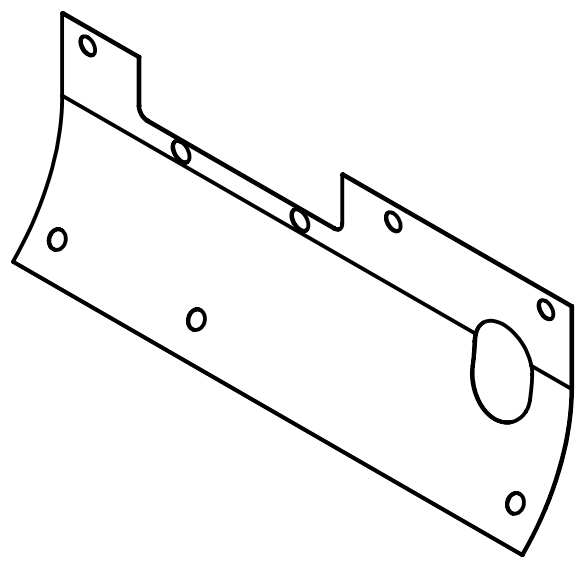
**25 SPACER 1**  
FILE NAME: 7102-067  
SHEET NO.: 22  
DFT. SCALE: 2:1  
MATERIAL: 5/16"OD x 0.049W 304 STAINLESS STEEL TUBE (SEE NOTE 1)  
QTY: 137 PER ASSEMBLY  
NOTES: 1. McMASTER-CARR'S 8989K231 (OR EQUIV.), 3' LONG  
2. DIMENSION "T" = 0.040 IN.

**26 SPACER 2**  
FILE NAME: 7102-067  
SHEET NO.: 22  
DFT. SCALE: 2:1  
MATERIAL: 5/16"OD x 0.049W 304 STAINLESS STEEL TUBE (SEE NOTE 1)  
QTY: 93 PER ASSEMBLY  
NOTES: 1. McMASTER-CARR'S 8989K231 (OR EQUIV.), 3' LONG  
2. DIMENSION "T" = 0.060 IN.

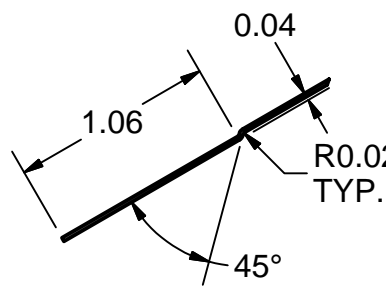
**27 SPACER 3**  
FILE NAME: 7102-067  
SHEET NO.: 22  
DFT. SCALE: 2:1  
MATERIAL: 5/16"OD x 0.049W 304 STAINLESS STEEL TUBE (SEE NOTE 1)  
QTY: 6 PER ASSEMBLY  
NOTES: 1. McMASTER-CARR'S 8989K231 (OR EQUIV.), 3' LONG  
2. DIMENSION "T" = 0.080 IN.



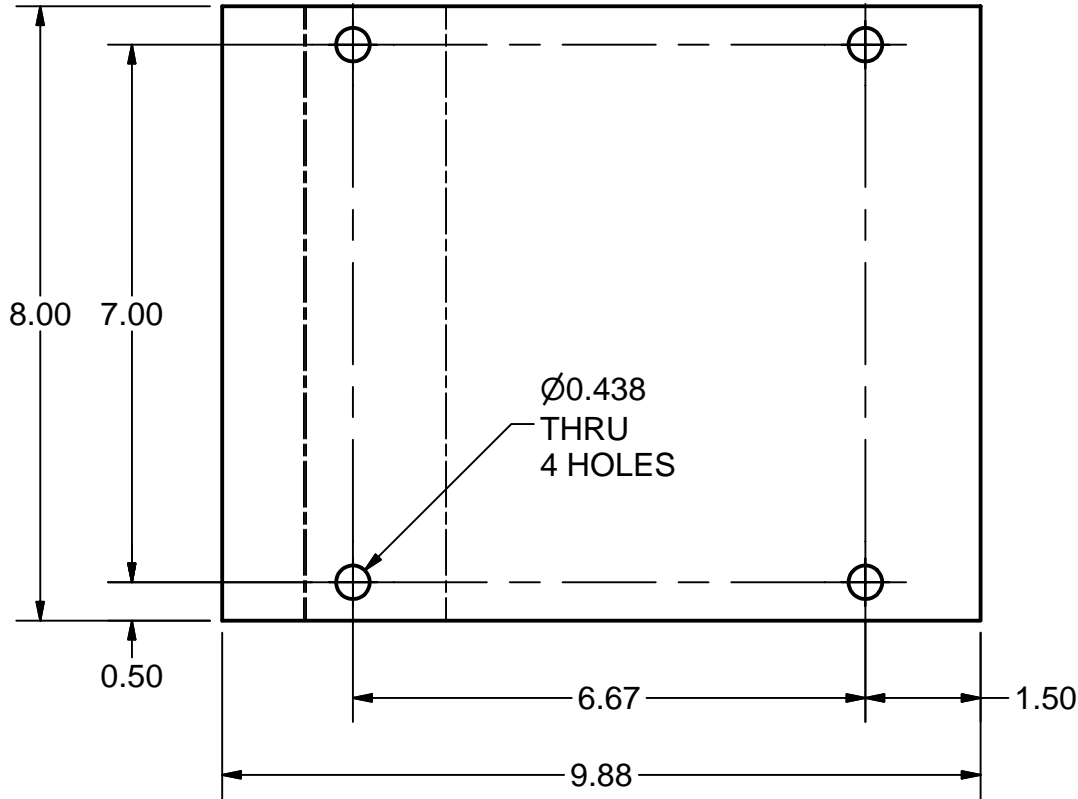
**FLAT PATTERN  
SCALE 1:2.5**



**21 EXIT SECTION FRONT PATCH 1**  
FILE NAME: 7102-067  
SHEET NO.: 22  
DFT. SCALE: 1:4  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES:

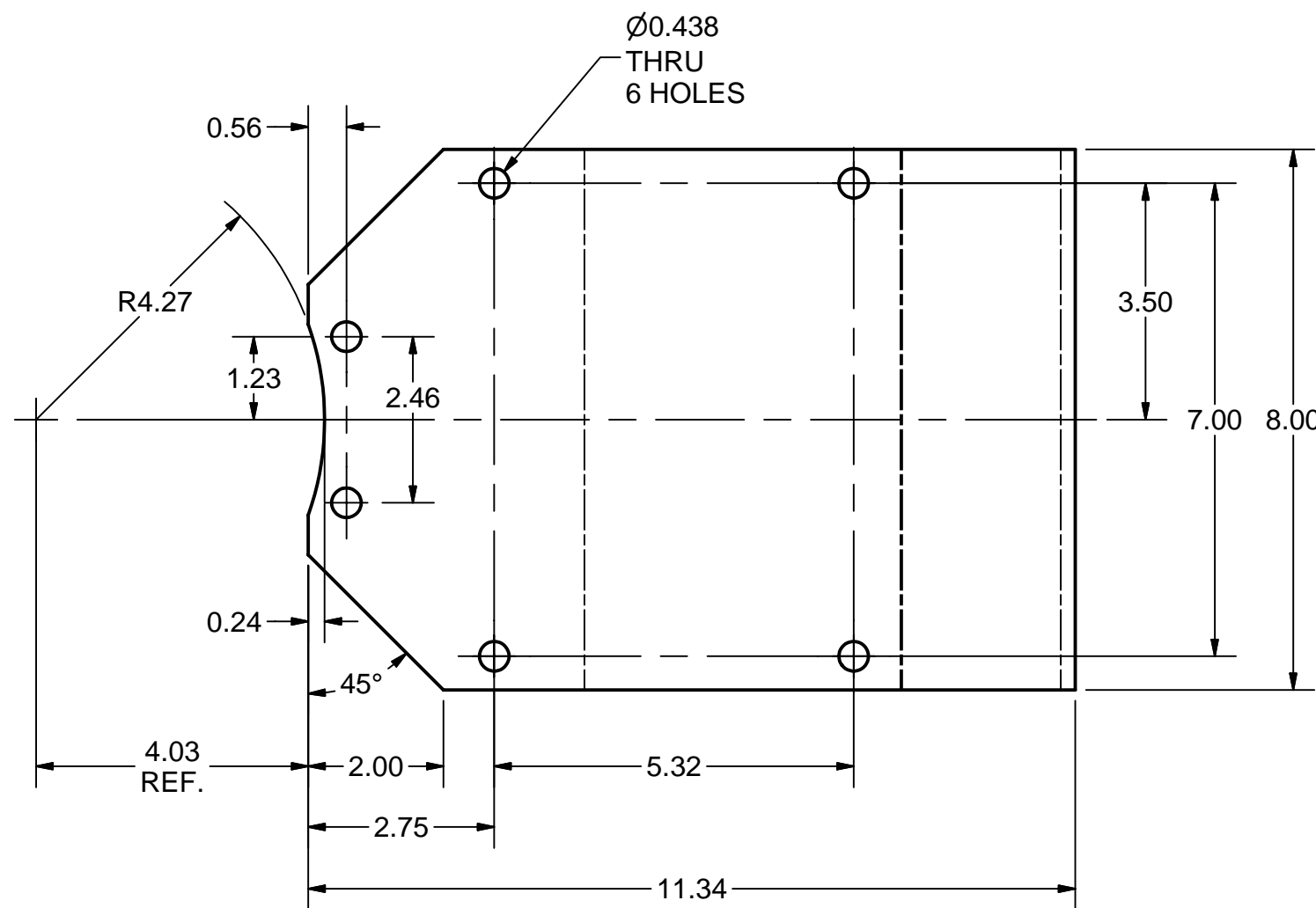


**DETAIL D  
SCALE 1 : 1**

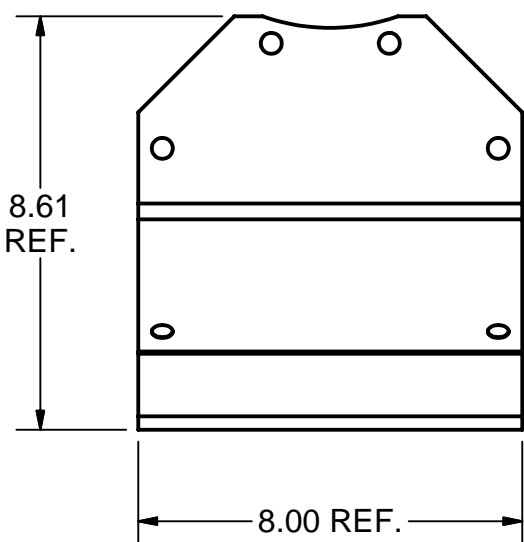


**FLAT PATTERN  
SCALE 1:2.5**

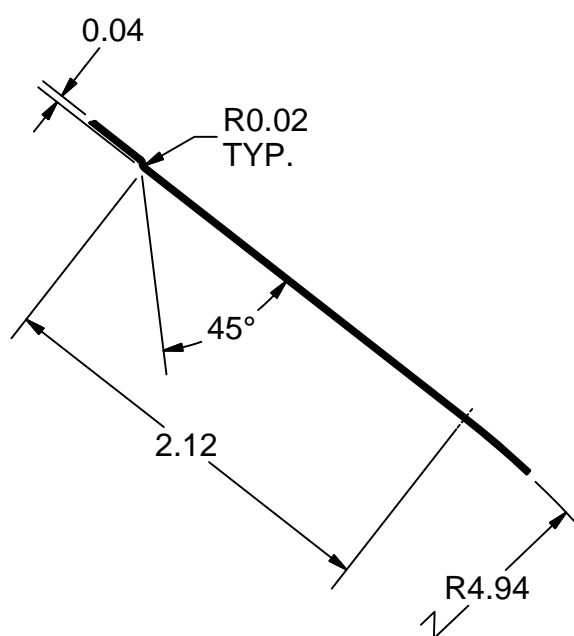
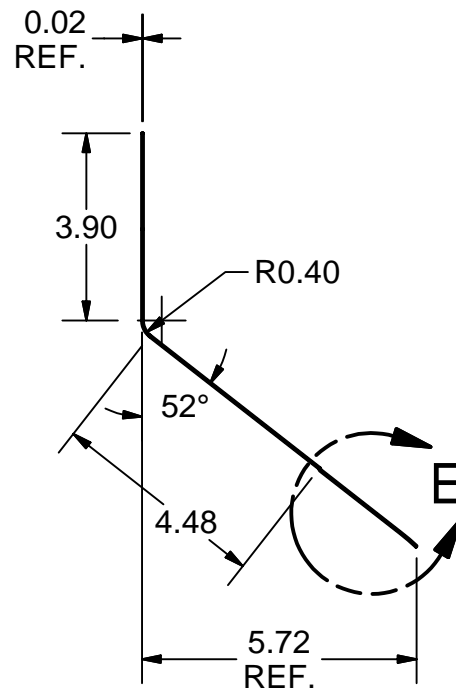
**20 ENTRANCE SECTION FRONT PATCH 2**  
FILE NAME: 7102-067  
SHEET NO.: 22  
DFT. SCALE: 1:4  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES:



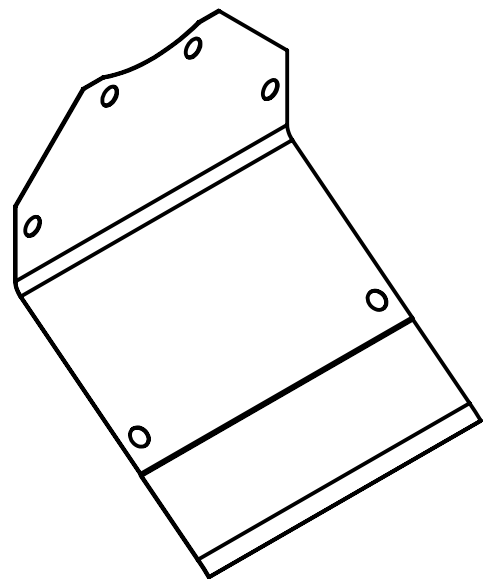
**FLAT PATTERN  
SCALE 1:2.5**




**22 EXIT SECTION FRONT PATCH 2**  
FILE NAME: 7102-067  
SHEET NO.: 22  
DFT. SCALE: 1:4  
MATERIAL: 0.02" MU-METAL (80% NICKEL ALLOY) SHEET  
QTY: 1 PER ASSEMBLY  
NOTES:



**DETAIL E  
SCALE 1:1**



Release of final PO version for INCODEMA - September 4, 2007.

		ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS		REV.
					QUANTITY					
D	PRINT DISTR.	PLOT DATE: 9/4/2007 CAD FILE NAME: 7102-067.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>ERL INJECTOR CRYOMODULE MAGNETIC SHIELD III</div> <div>ENTRANCE SECTION FRONT PATCH 2; EXIT SECTION FRONT PATCHES 1 AND 2; SPACERS 1, 2 AND 3</div>					
7102-067 SH. NO. 22 OF 22	REV.	CHECKED BY: VM		DRAWN BY	DRAWN FOR	DATE	SCALE	D	7102-067	REV.
		APPROVED BY: EPC		vm	M.Liepe	8/21/2007				