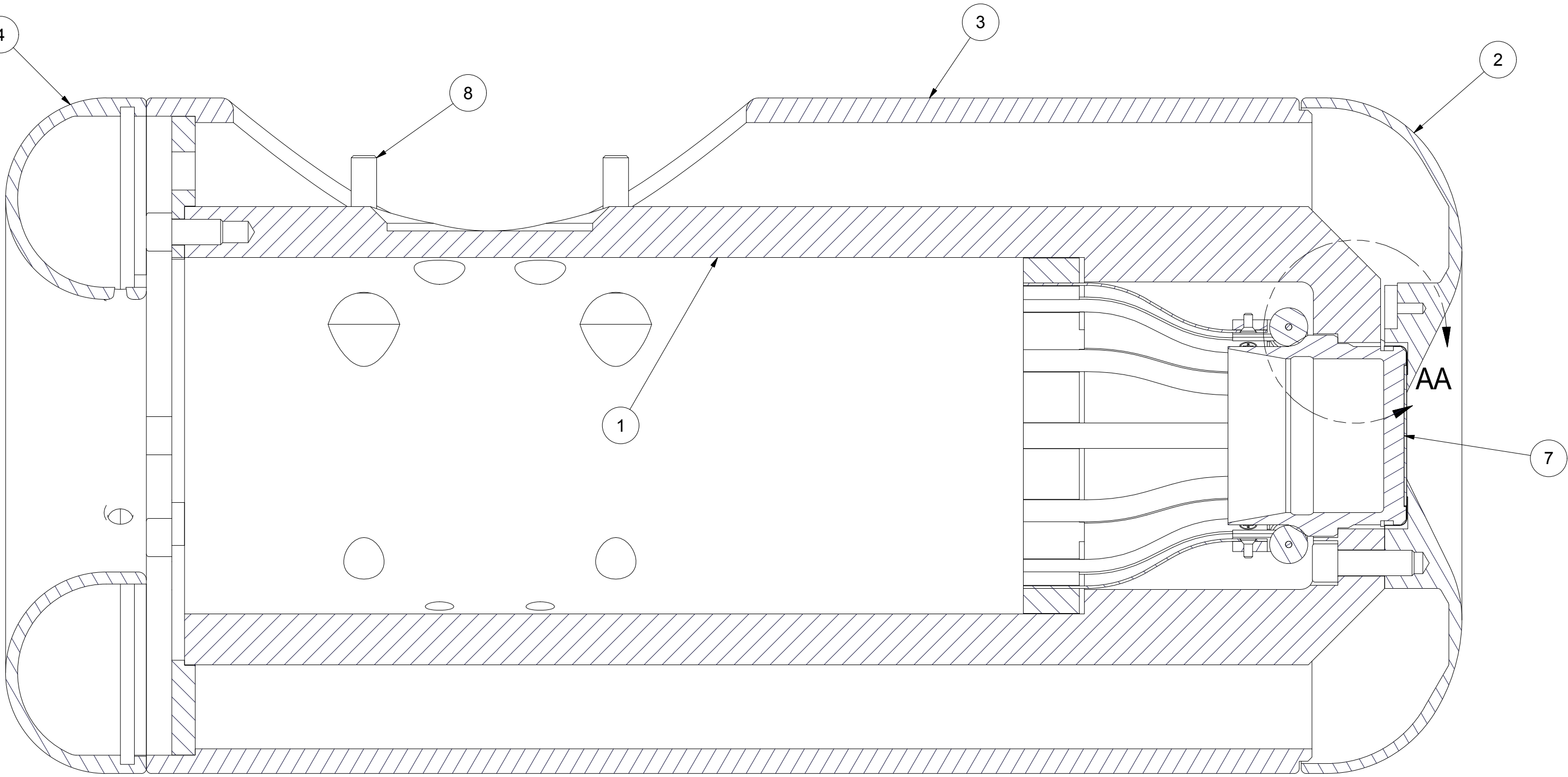
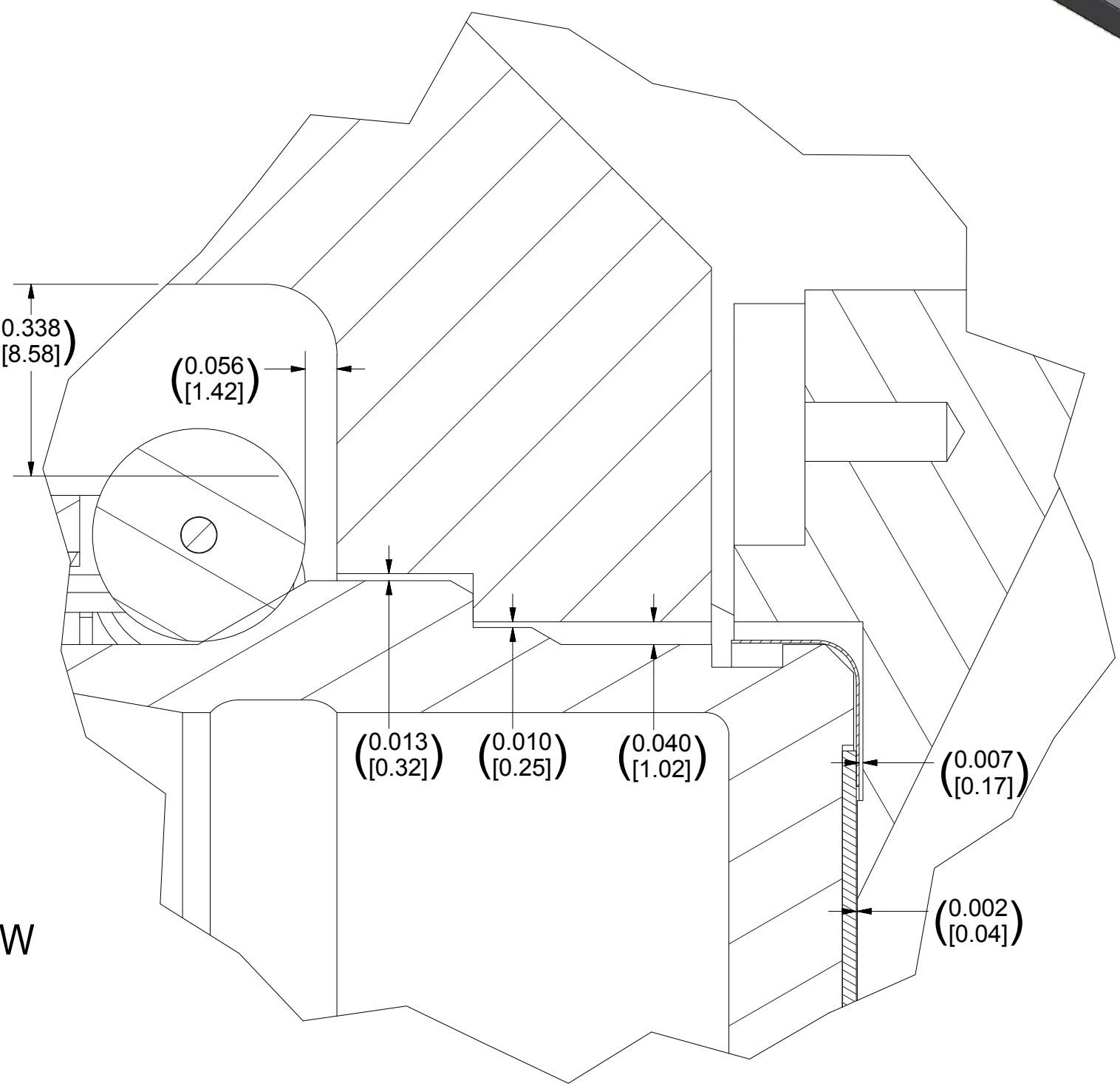
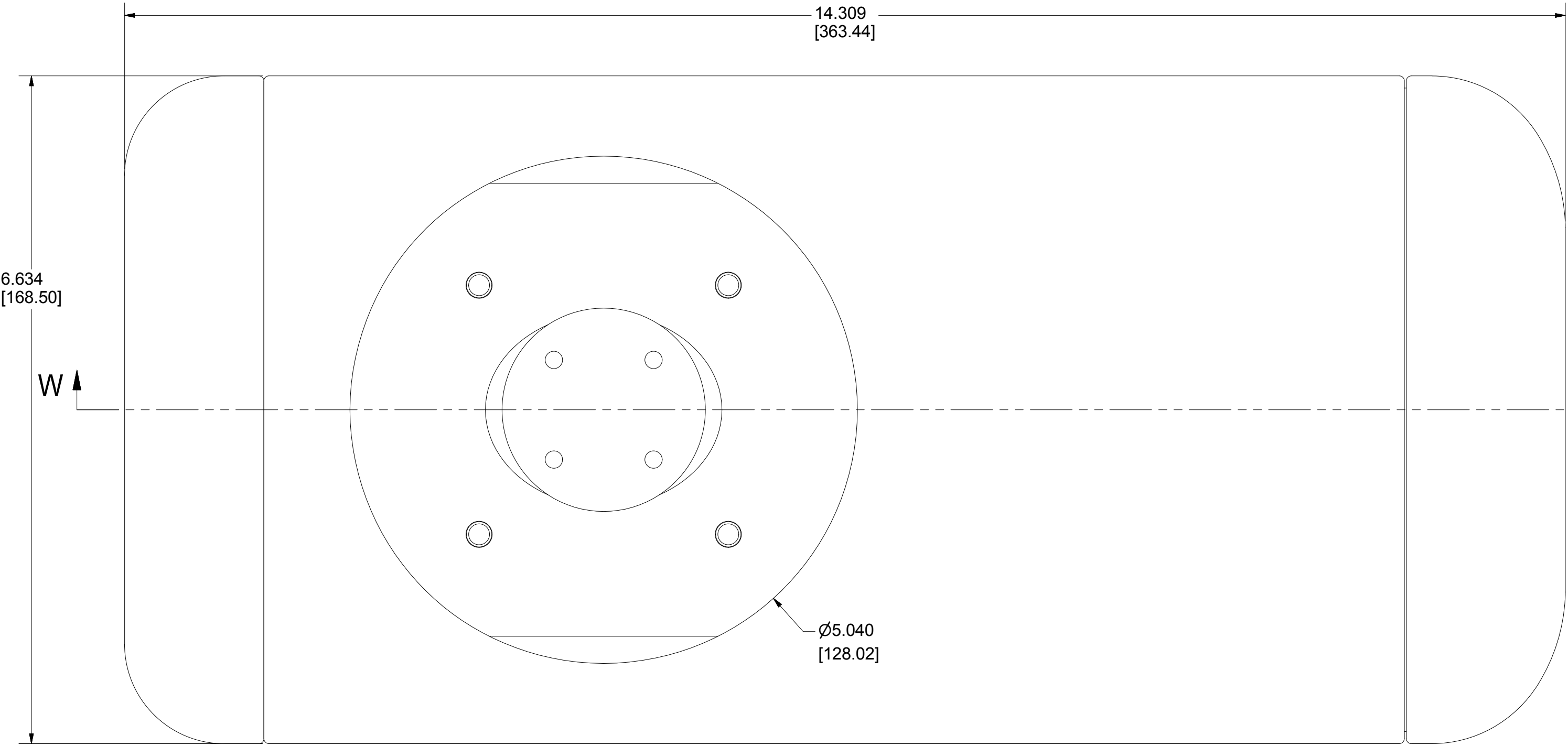


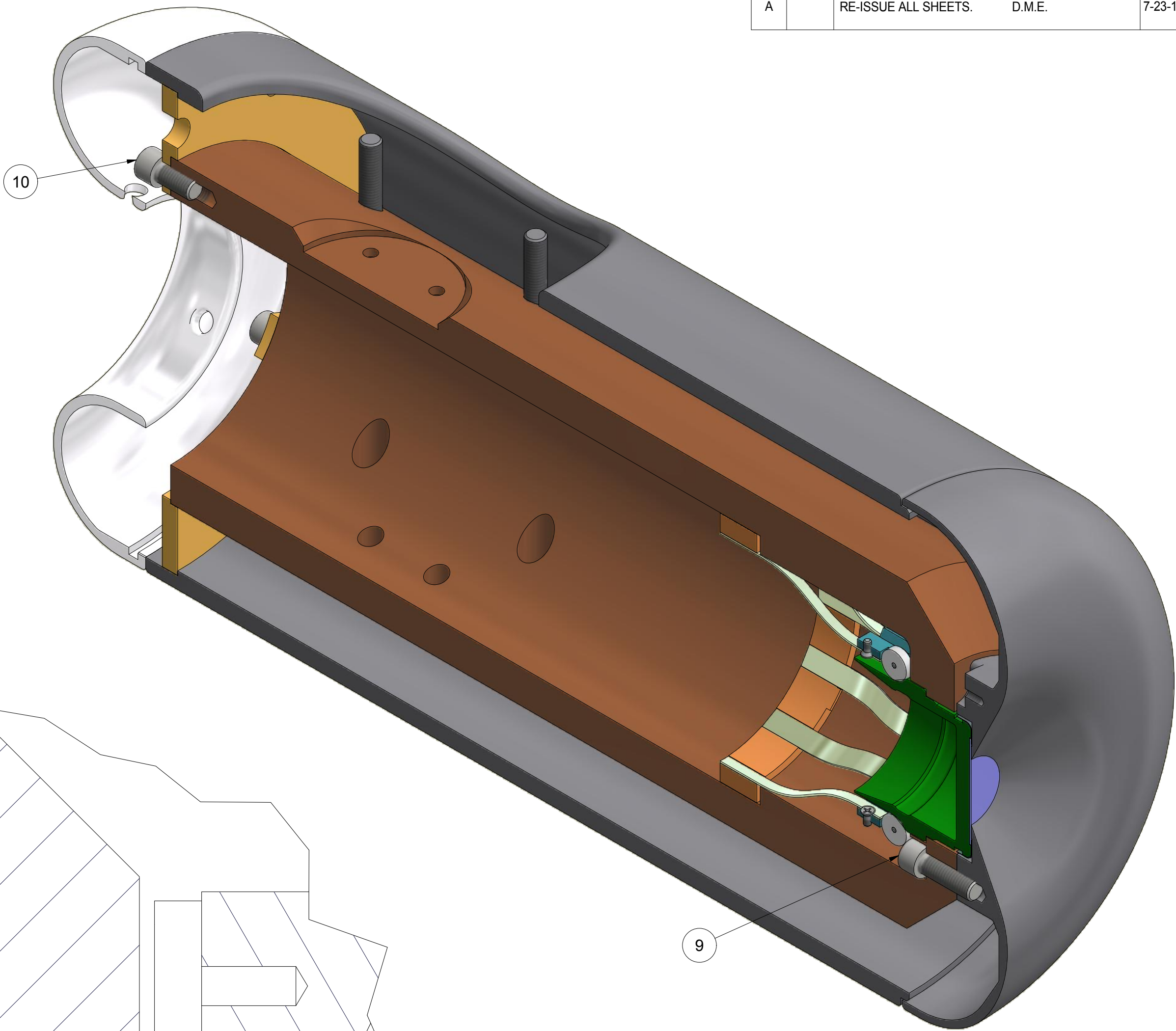
REVISIONS					
SYM.	ZONE	DESCRIPTION		DATE	APP.
A		RE-ISSUE ALL SHEETS.	D.M.E.	7-23-12	KWS







SECTION W-W
SCALE 1 : 1






DETAIL AA
SCALE 4 : 1



33	7101-102 Sh. 11	Optional Spacer Shim	A/R					
10	Purchased	SCHS 1/4-28 x 1/2"	3					
9	Purchased	SHCS 1/4-28 x 5/8"	3					
8	Purchased	SHCS 1/4-28 x 1-1/4"	4					
7	7101-009 Sh. 12	Cathode Puck (Mk. II) [Item 30]	1					
6	7101-102 Sh. 7	Ti Location Screw	3					
5	7101-102 Sh. 7	Single Piece Puck Keeper Assy	1					
4	7101-009 Sh. 4	Electrode Back	1					
3	7101-102 Sh. 4	Center Electrode Welded Assy	1					
2	7101-102 Sh. 3	Electrode Front	1					
1	7101-102 Sh. 5	Electrode Core	1					

		ITEM		DWG. NO.		DESCRIPTION		G1		G2		G3		REMARKS		REV.	
								QUANTITY									
		PRINT		PLOT DATE: 10/16/2012													
D		DISTR.		CAD FILE NAME: 7101-102.idw													
7101-102 SH NO. 1 OF 11		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>										D	
						COMPACT GUN ELECTRODE STRUCTURE											
A		REV.		CHECKED BY: KWS		DRAWN BY: kws		DRAWN FOR: kws		DATE: 3/15/2010		SCALE:		7101-102		REV. A	
				APPROVED BY: KWS										SH NO. 1 OF 11			

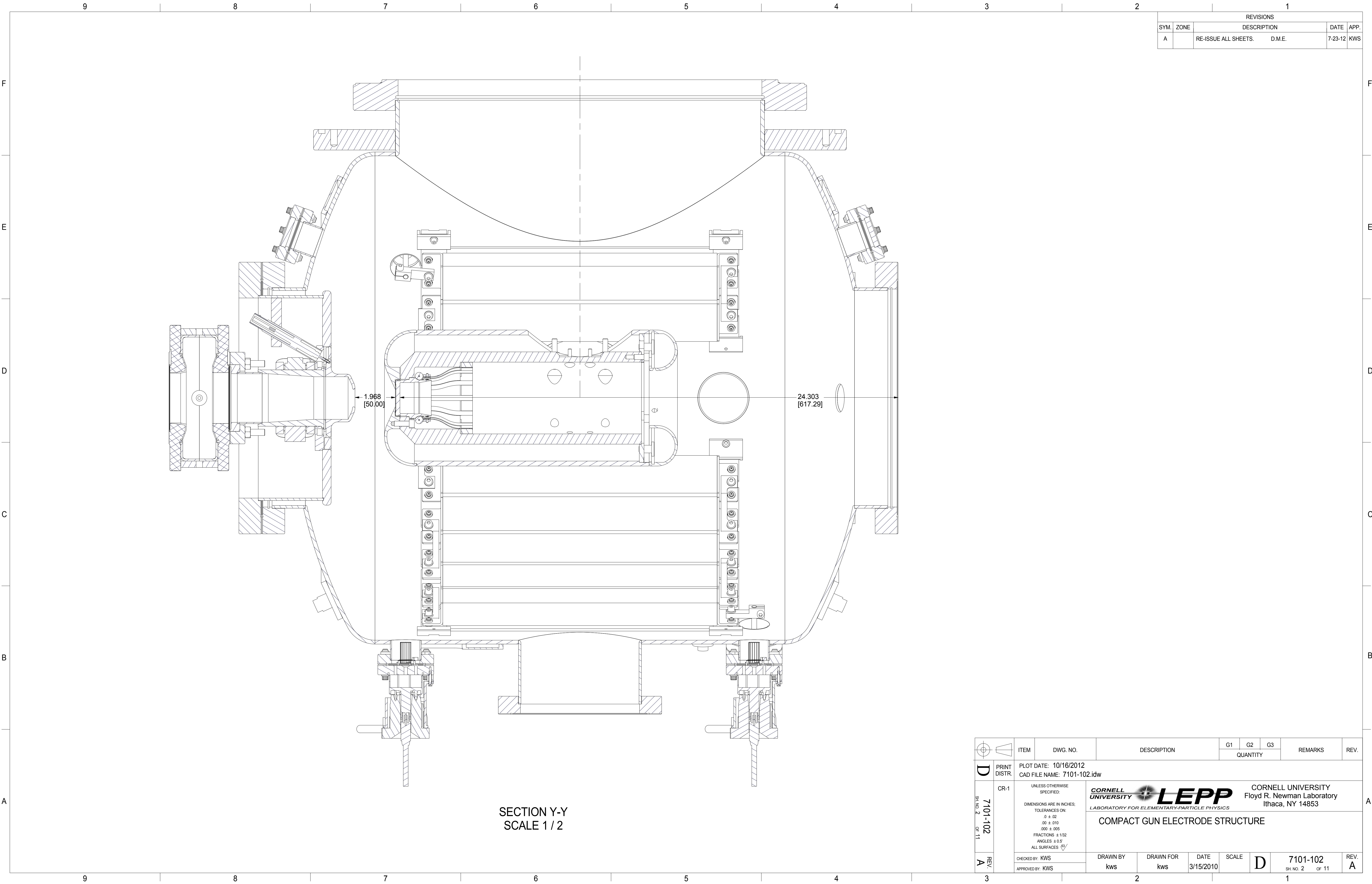
		ITEM		DWG. NO.		DESCRIPTION		G1		G2		G3		REMARKS		REV.			
								QUANTITY											
D		PRINT DISTR.		PLOT DATE: 10/16/2012 CAD FILE NAME: 7101-102.idw															
7101-102 SH NO. 1 OF 11		CR-1		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES: TOLERANCES ON: .0 ± .02 .00 ± .010 .000 ± .005 FRACTIONS ± 1/32 ANGLES ± 0.5° ALL SURFACES 		 CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853 LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS													
		COMPACT GUN ELECTRODE STRUCTURE																	
A		REV.		CHECKED BY: KWS		DRAWN BY: kws		DRAWN FOR: kws		DATE: 3/15/2010		SCALE: D		7101-102 SH NO. 1 OF 11		REV. A			
				APPROVED BY: KWS															



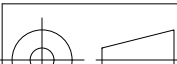




CORNELL UNIVERSITY
Floyd R. Newman Laboratory
Ithaca, NY 14853

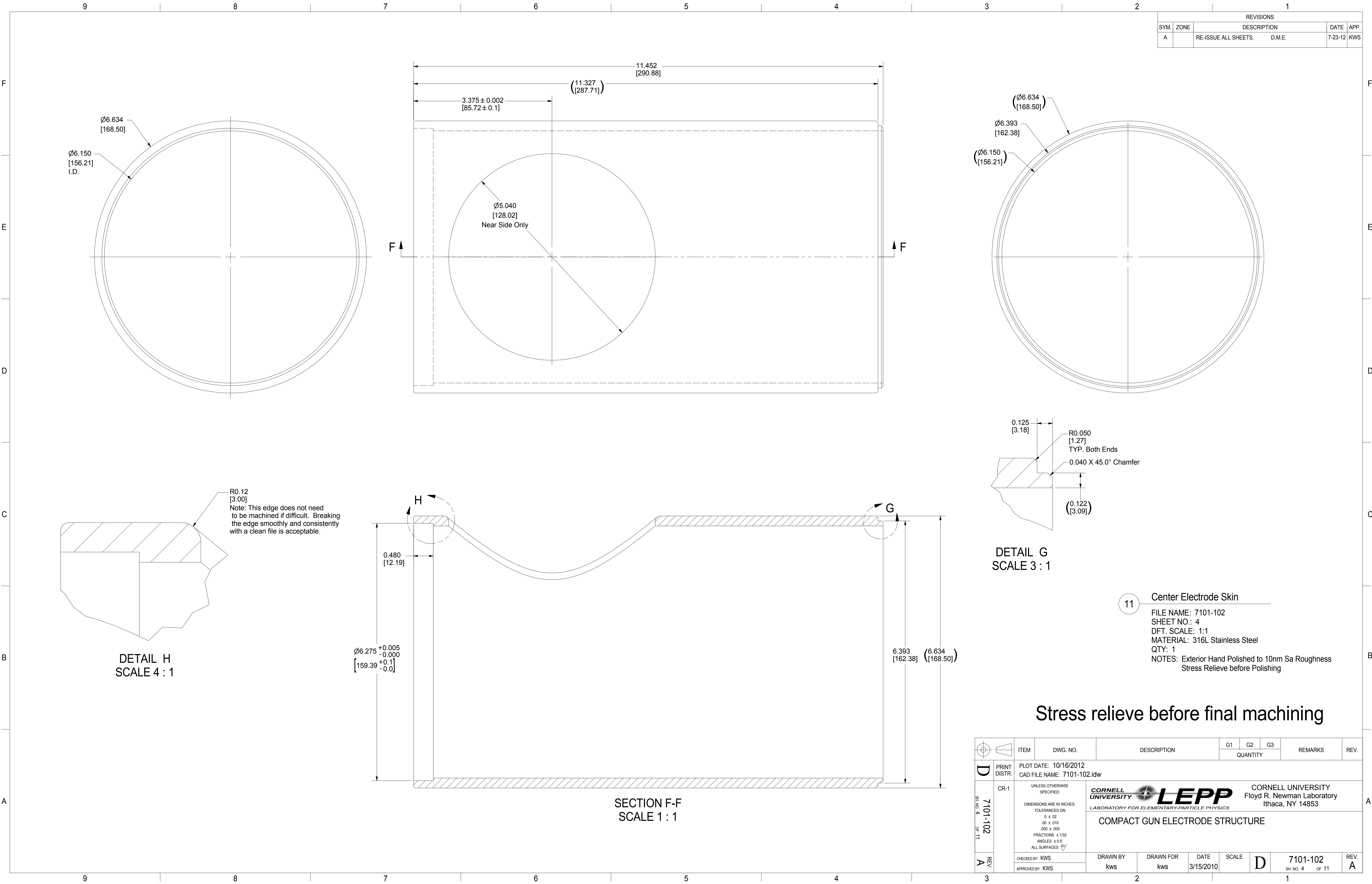
COMPACT GUN ELECTRODE STRUCTURE

CHECKED BY: KWS	DRAWN BY: kws	DRAWN FOR: kws	DATE: 3/15/2010	SCALE: D	7101-102 SH. NO. 1 OF 11	REV. A
-----------------	---------------	----------------	-----------------	----------	-----------------------------	--------



REVISIONS					
SYM.	ZONE	DESCRIPTION		DATE	APP.
A		RE-ISSUE ALL SHEETS.	D.M.E.	7-23-12	KWS

		ITEM		DWG. NO.		DESCRIPTION		G1		G2		G3		REMARKS		REV.	
								QUANTITY									
		PRINT DISTR.		PLOT DATE: 10/16/2012 CAD FILE NAME: 7101-102.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 		 CORNELL UNIVERSITY Floyd R. Newman Laboratory Ithaca, NY 14853 COMPACT GUN ELECTRODE STRUCTURE											
7101-102 SH. NO. 2 OF 11		REV. A		CHECKED BY: KWS APPROVED BY: KWS		DRAWN BY kws		DRAWN FOR kws		DATE 3/15/2010		SCALE D		7101-102 SH. NO. 2 OF 11		REV. A	



REVISIONS					
SYM.	ZONE	DESCRIPTION		DATE	APP.
A		RE-ISSUE ALL SHEETS.	D.M.E.	7-23-12	KWS

F

E

D

C

B

A

F

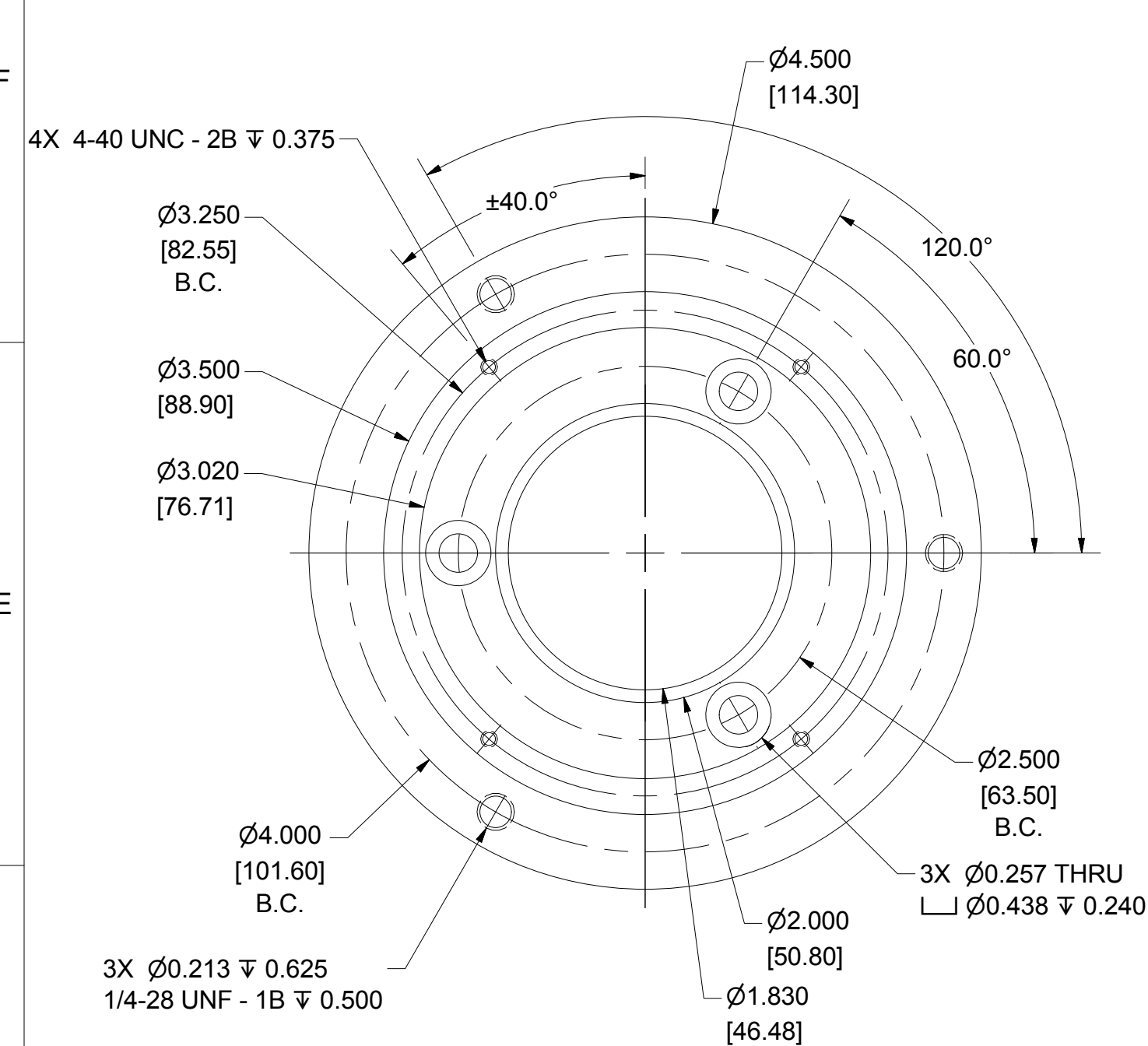
E

D

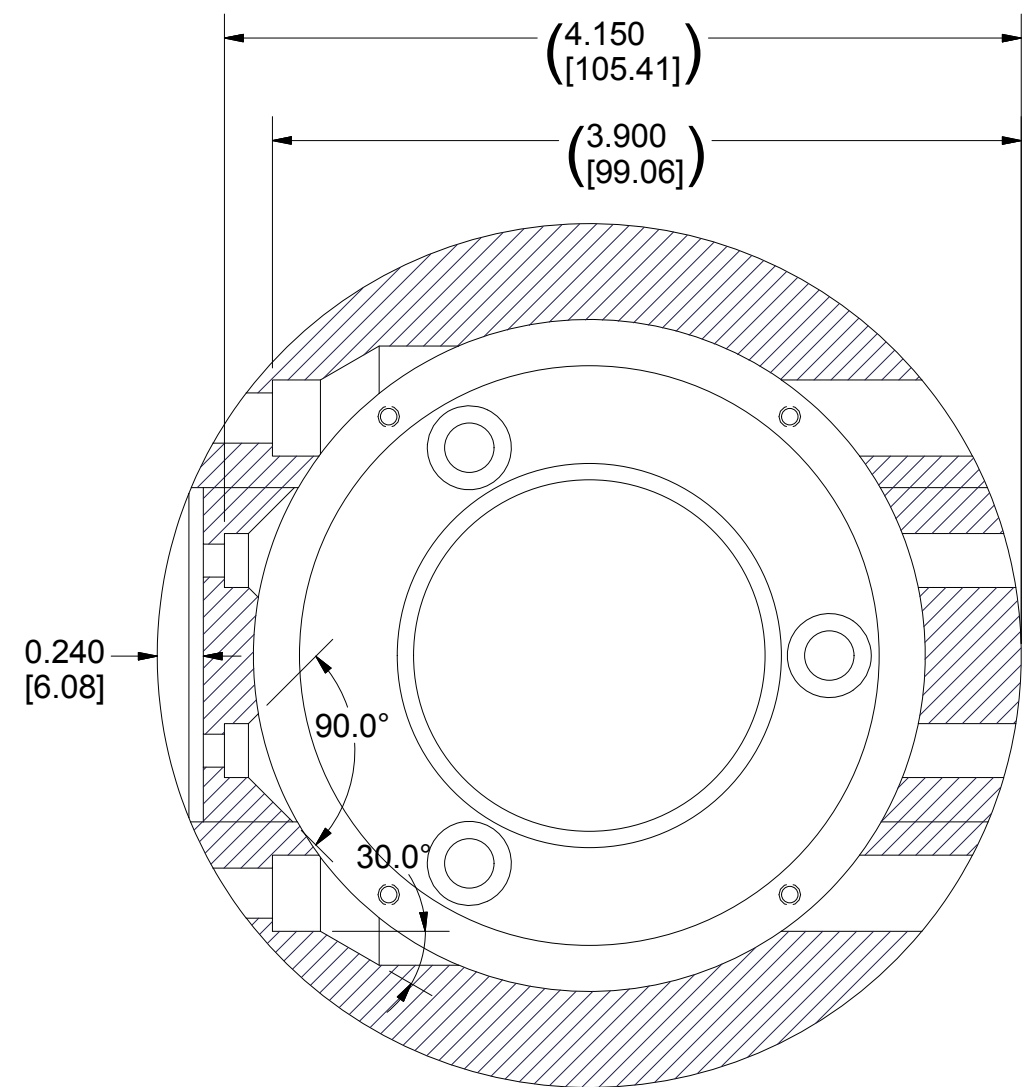
C

B

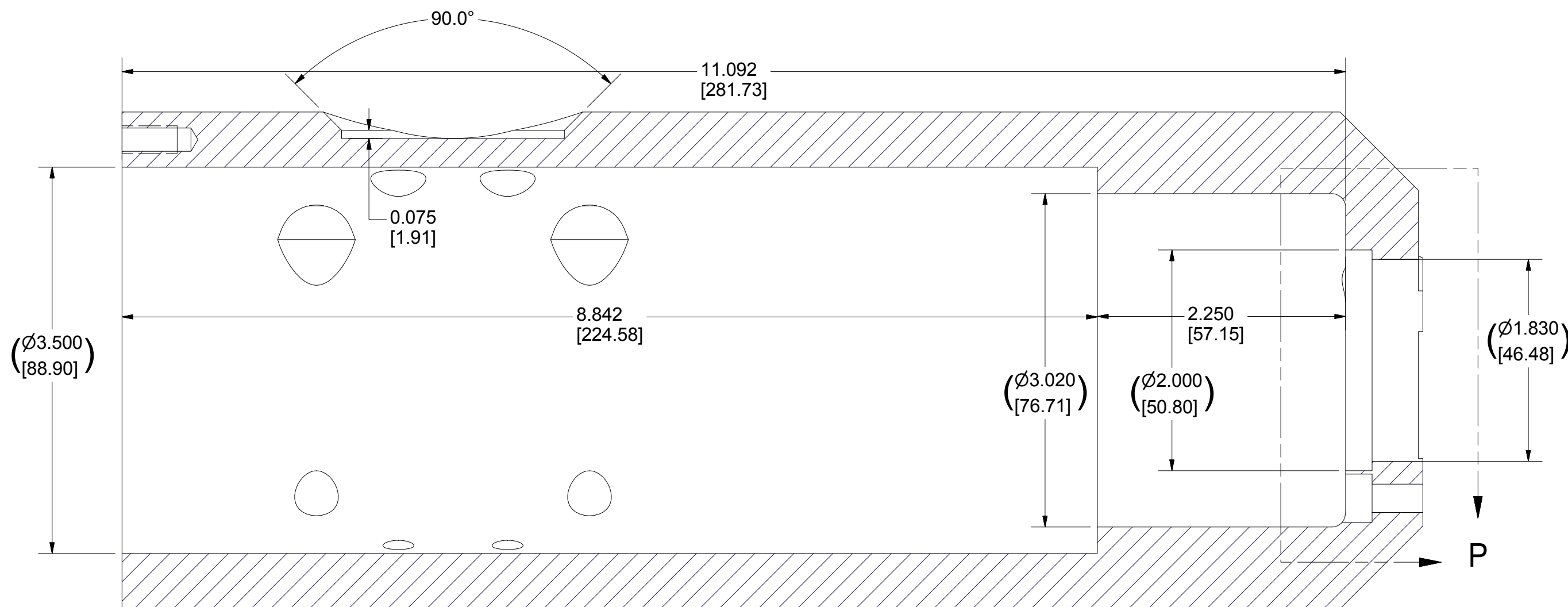
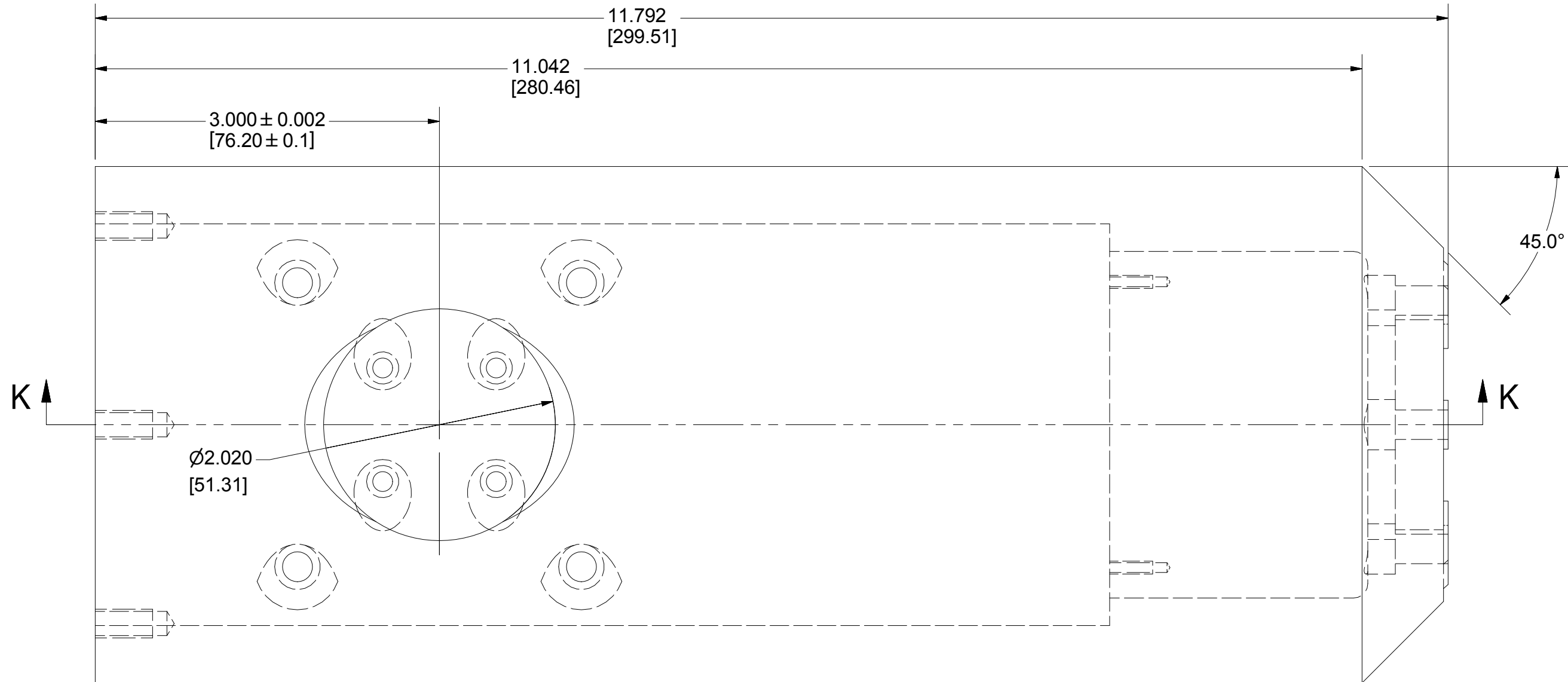
A



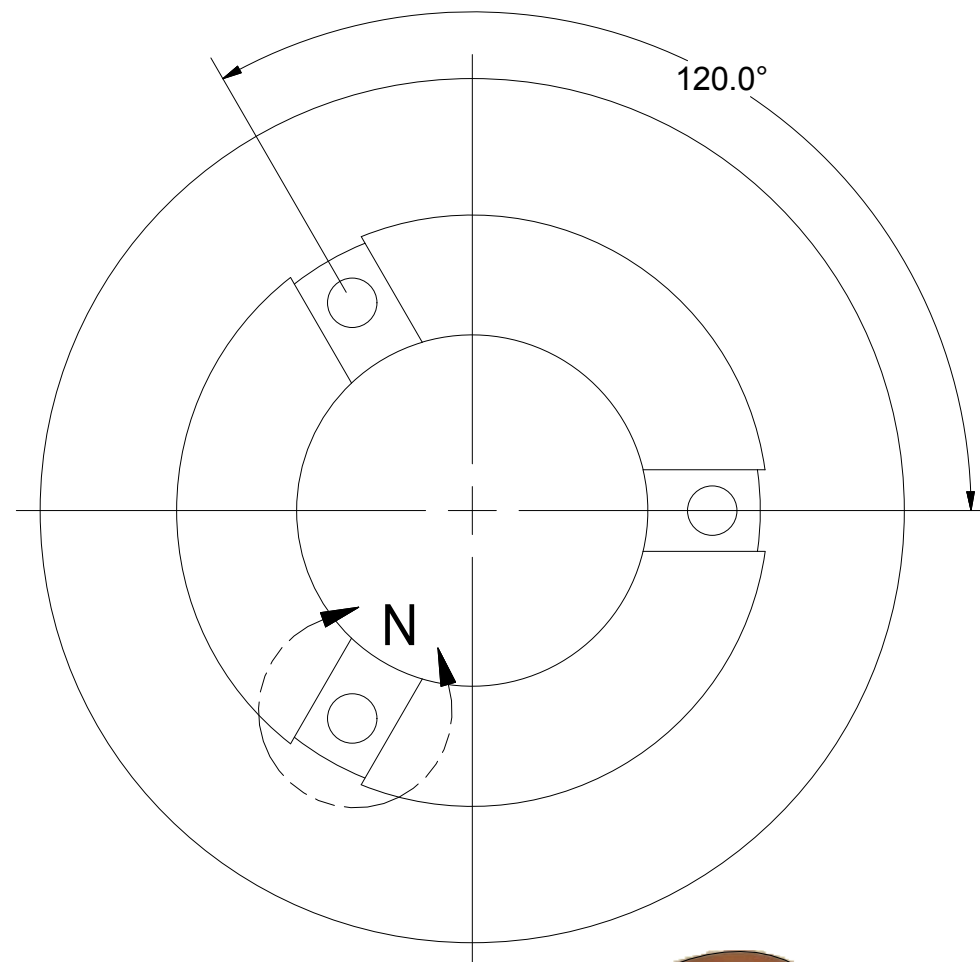
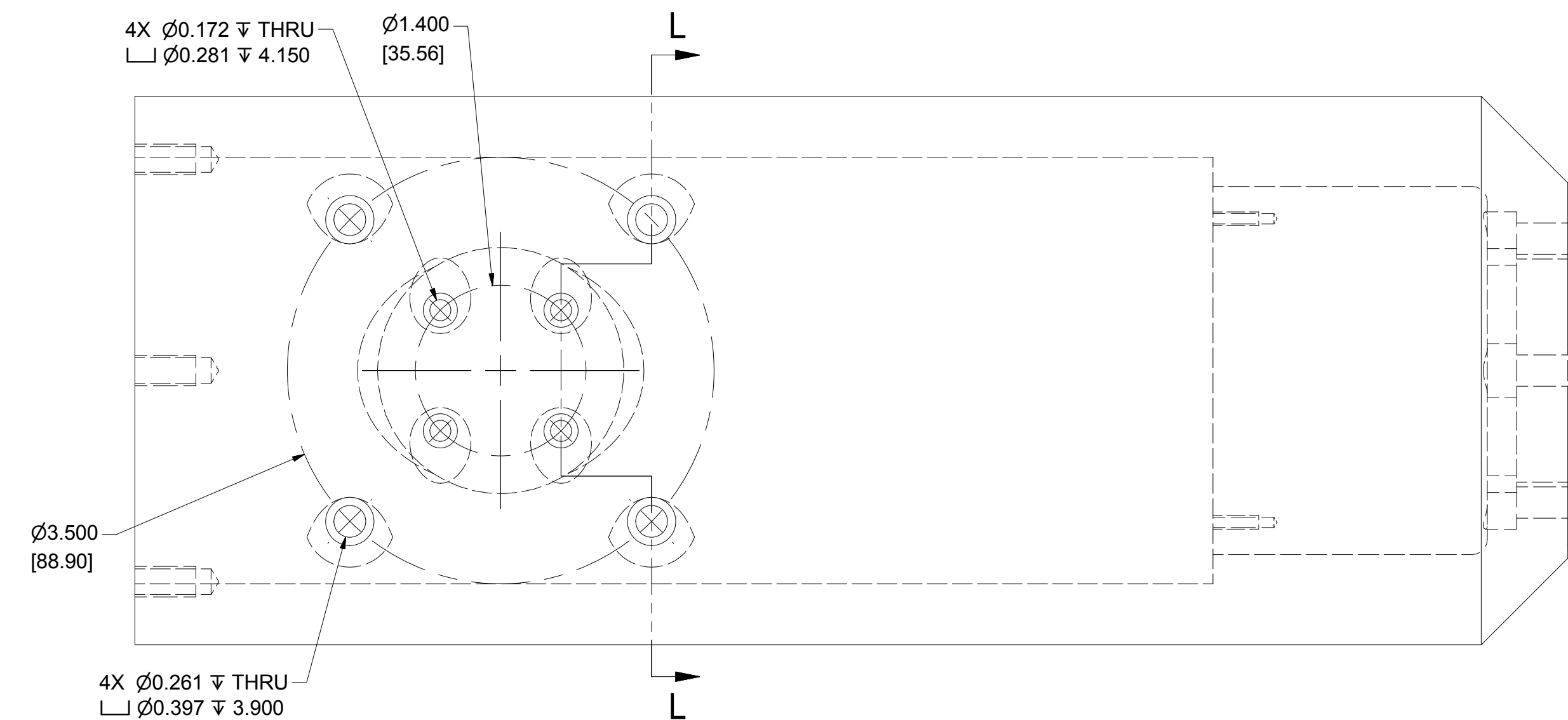
1 Electrode Core
FILE NAME: 7101-102
SHEET NO.: 6
DFT. SCALE: 1:1
MATERIAL: OFE Copper
QTY: 1
NOTES:



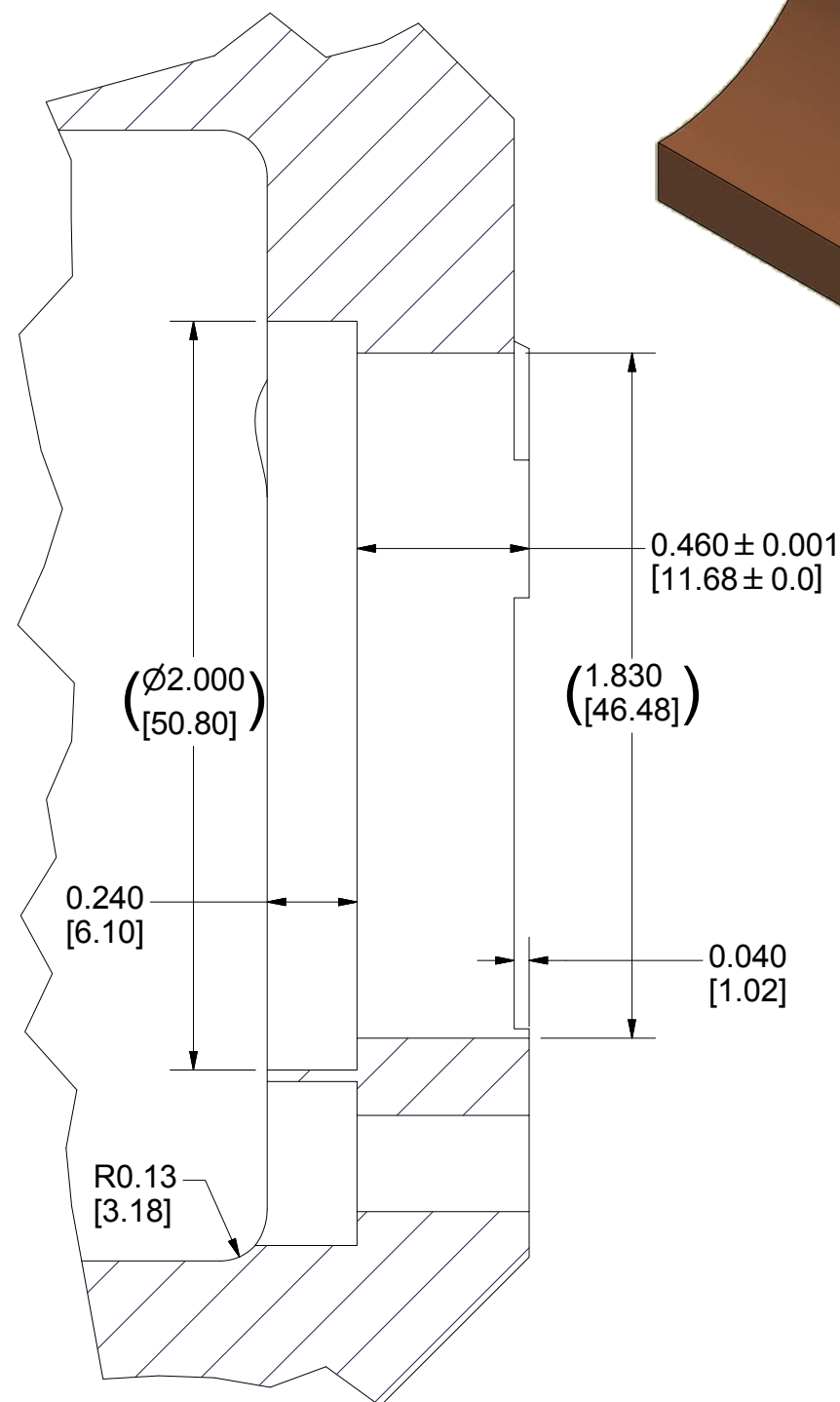
SECTION L-L
SCALE 1 : 1



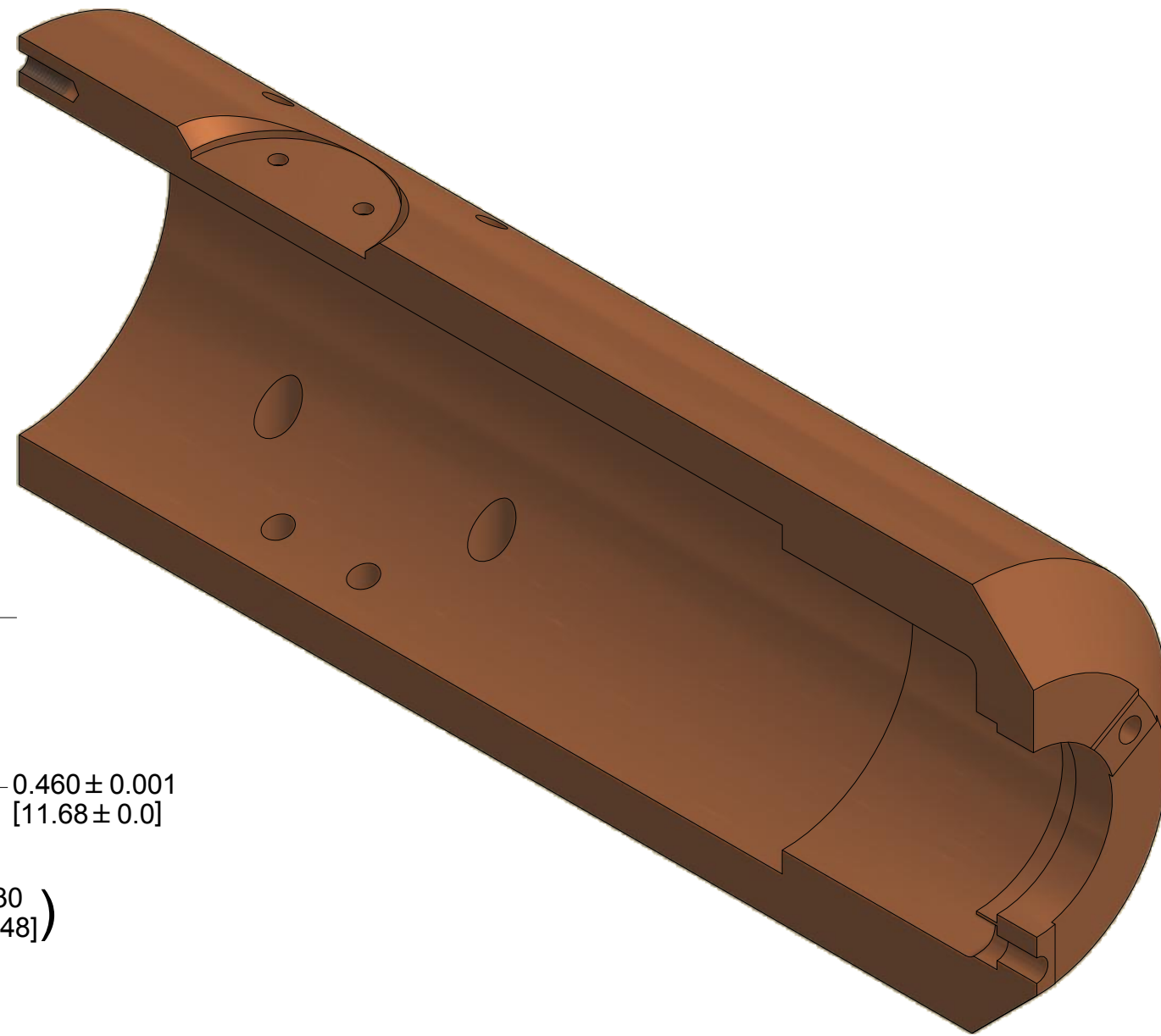
SECTION K-K
SCALE 1 : 1



DETAIL N
SCALE 2 : 1



DETAIL P
SCALE 2 : 1



SYM.	ZONE	DESCRIPTION		DATE	APP.
		RE-ISSUE ALL SHEETS.	D.M.E.	7-23-12	KWS

ITEM	DWG. NO.	DESCRIPTION	G1	G2	G3	REMARKS	REV.
PRINT DISTR.	7101-102	PLOT DATE: 10/16/2012 CAD FILE NAME: 7101-102.idw					
CR-1		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES; TOLERANCES ON: $\varnothing \pm .02$ $.000 \pm .010$ $.000 \pm .005$ FRACTIONS $\pm 1/32$ ANGLES $\pm 0.5^\circ$ ALL SURFACES $\nabla 3$	CORNELL UNIVERSITY FLOYD R. NEWMAN LABORATORY Ithaca, NY 14853		COMPACT GUN ELECTRODE STRUCTURE		
CHECKED BY: KWS	DRAWN BY: kws	DRAWN FOR: kws	DATE: 3/15/2010	SCALE: D	7101-102 SH. NO. 6 OF 11	REV. A	
APPROVED BY: KWS							

9

8

7

6

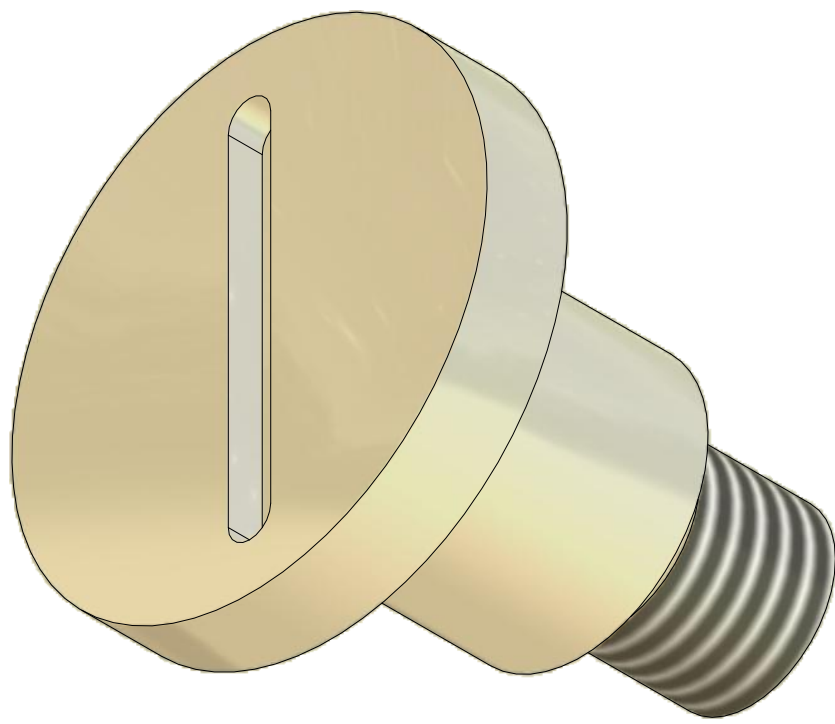
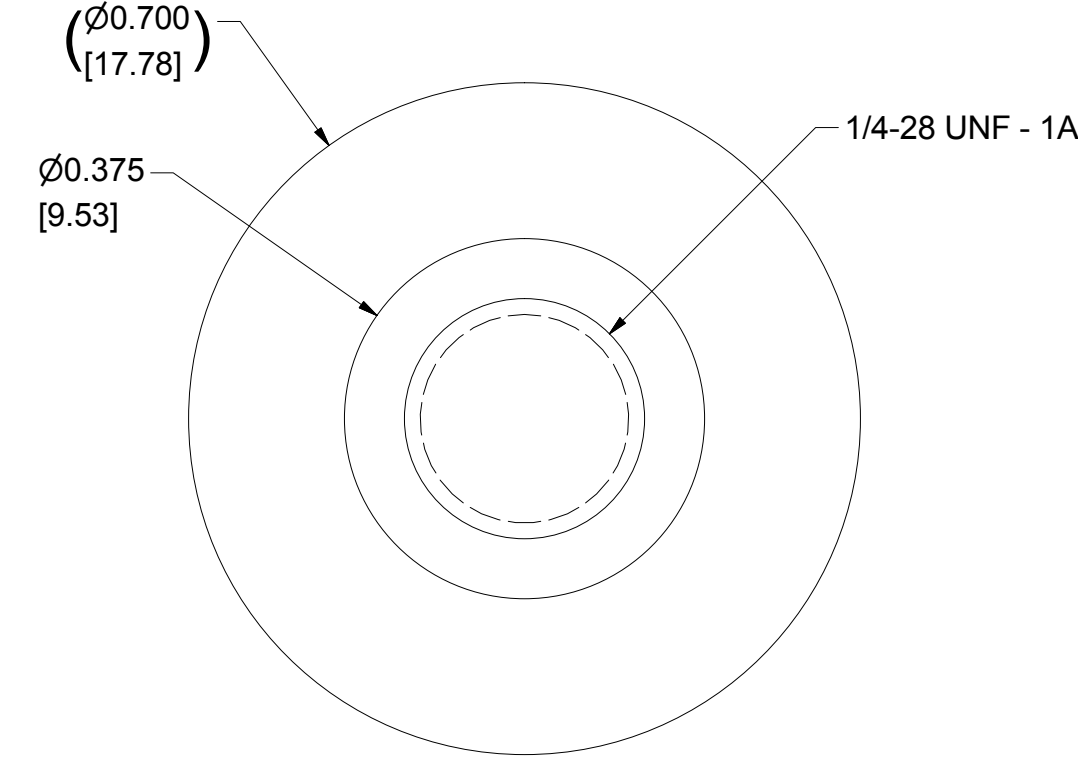
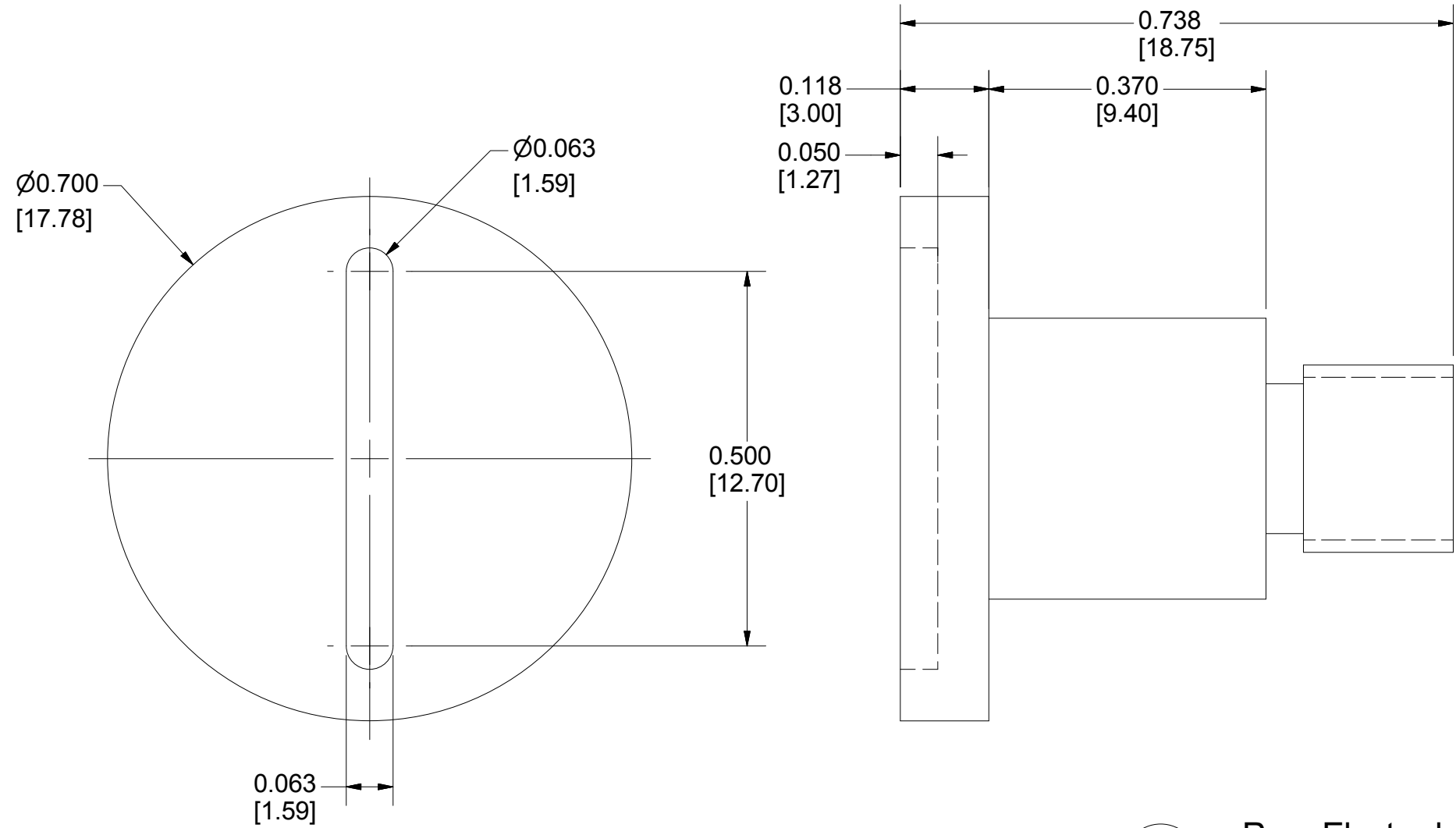
5

4

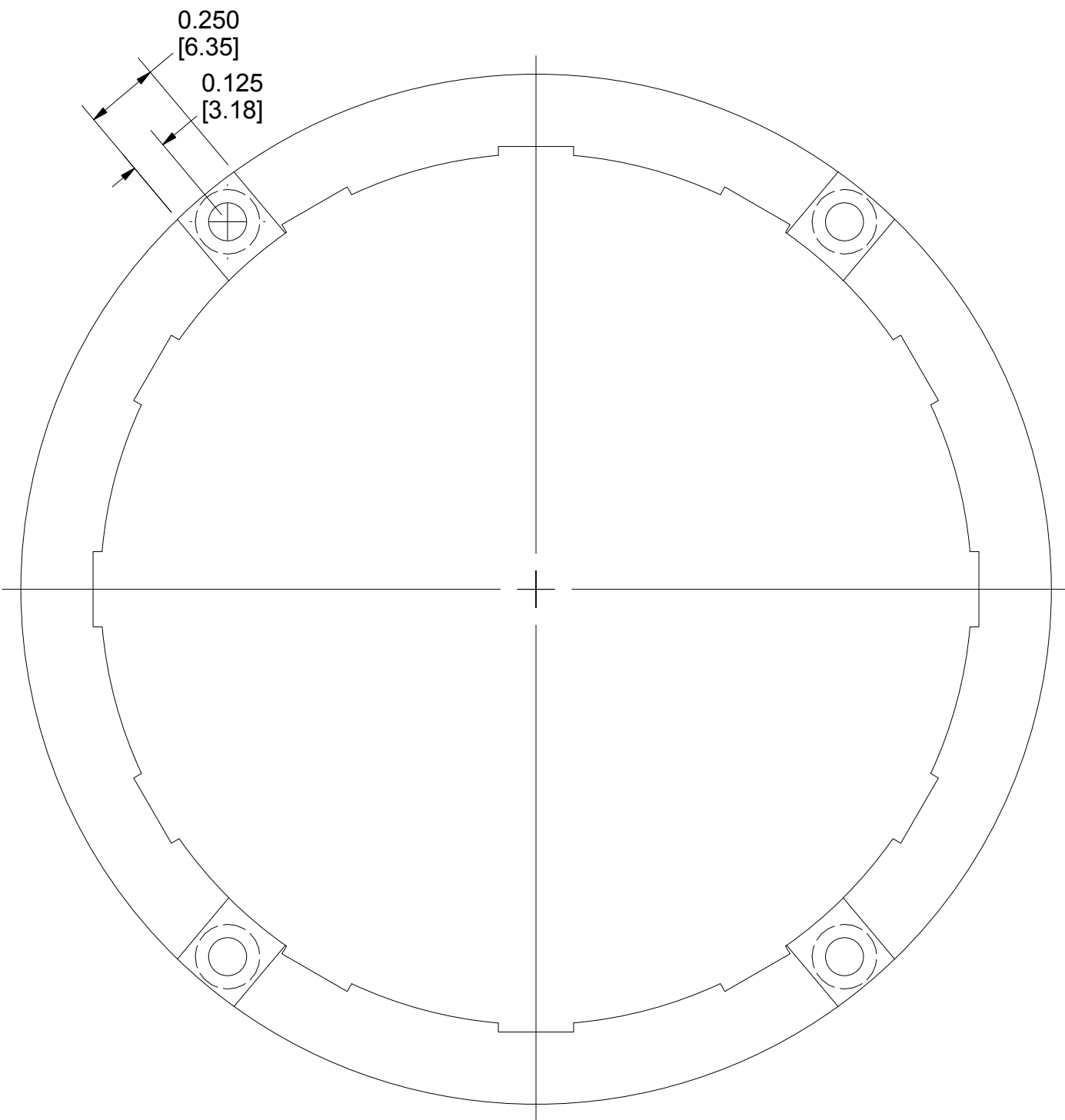
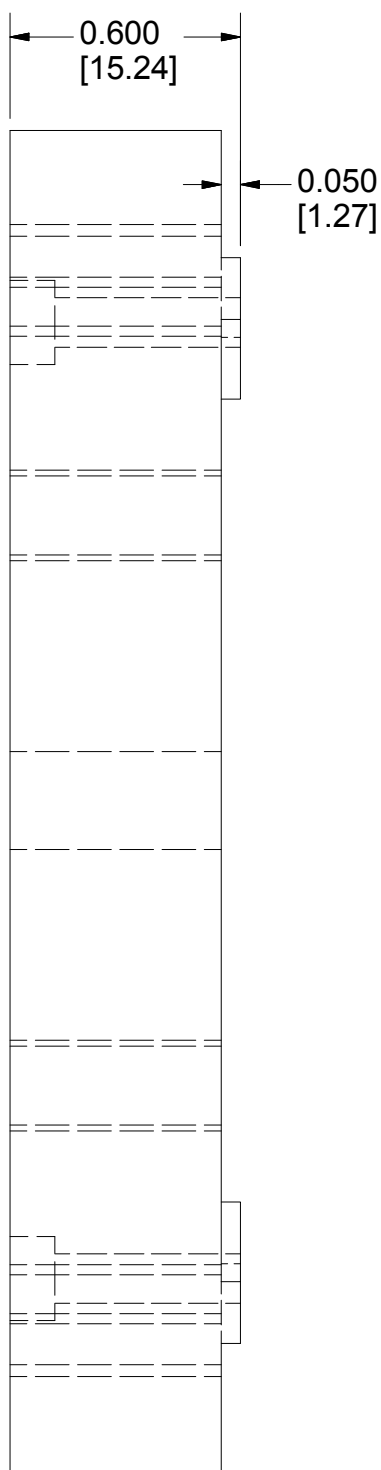
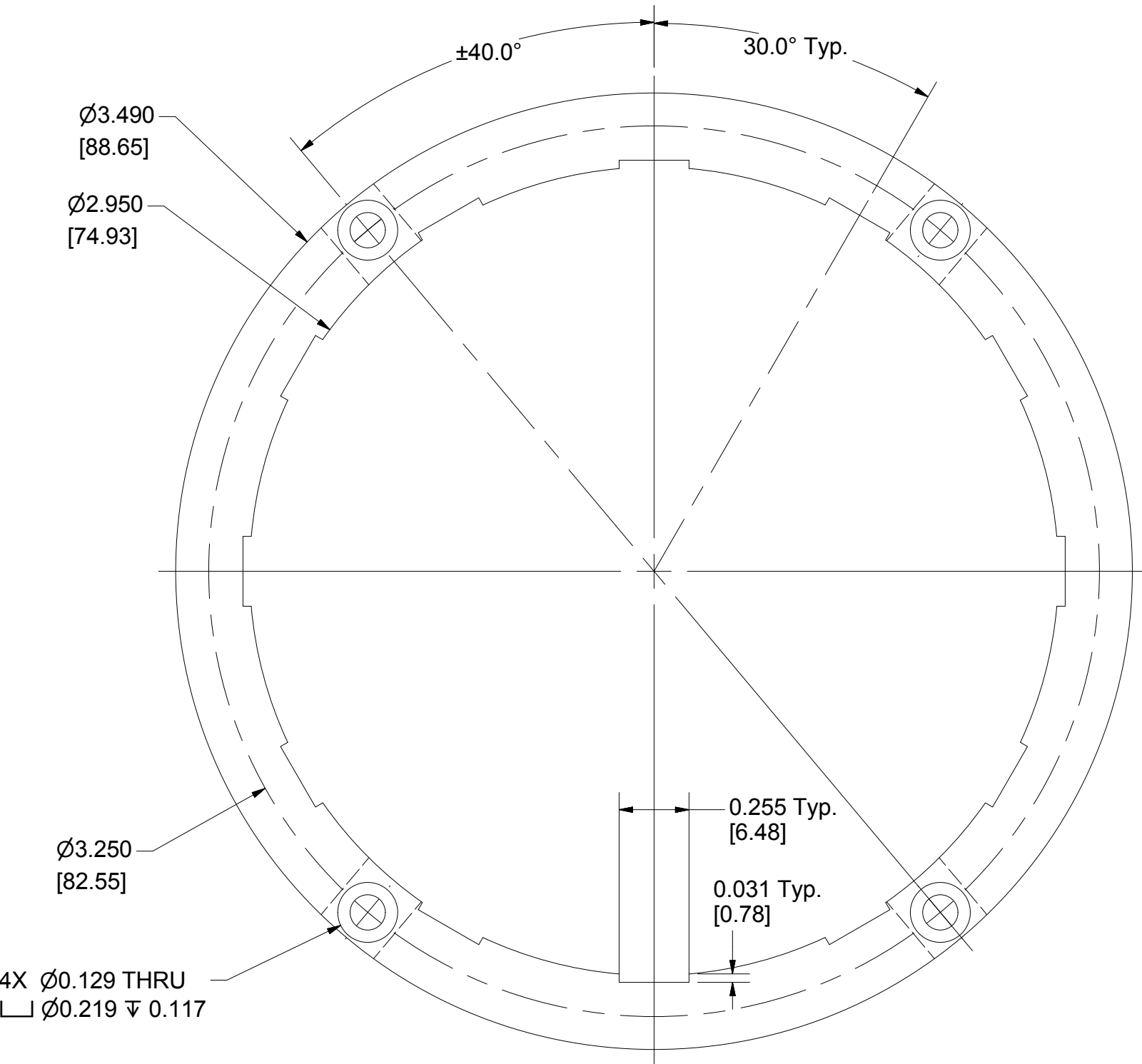
2

1

REVISIONS					
SYM.	ZONE	DESCRIPTION		DATE	APP.
A		RE-ISSUE ALL SHEETS.	D.M.E.	7-23-12	KWS
B		ADDED NEW SHEET 8		8/21/12	KWS
C	B1	Added Weld Notes		10/30/14	KWS

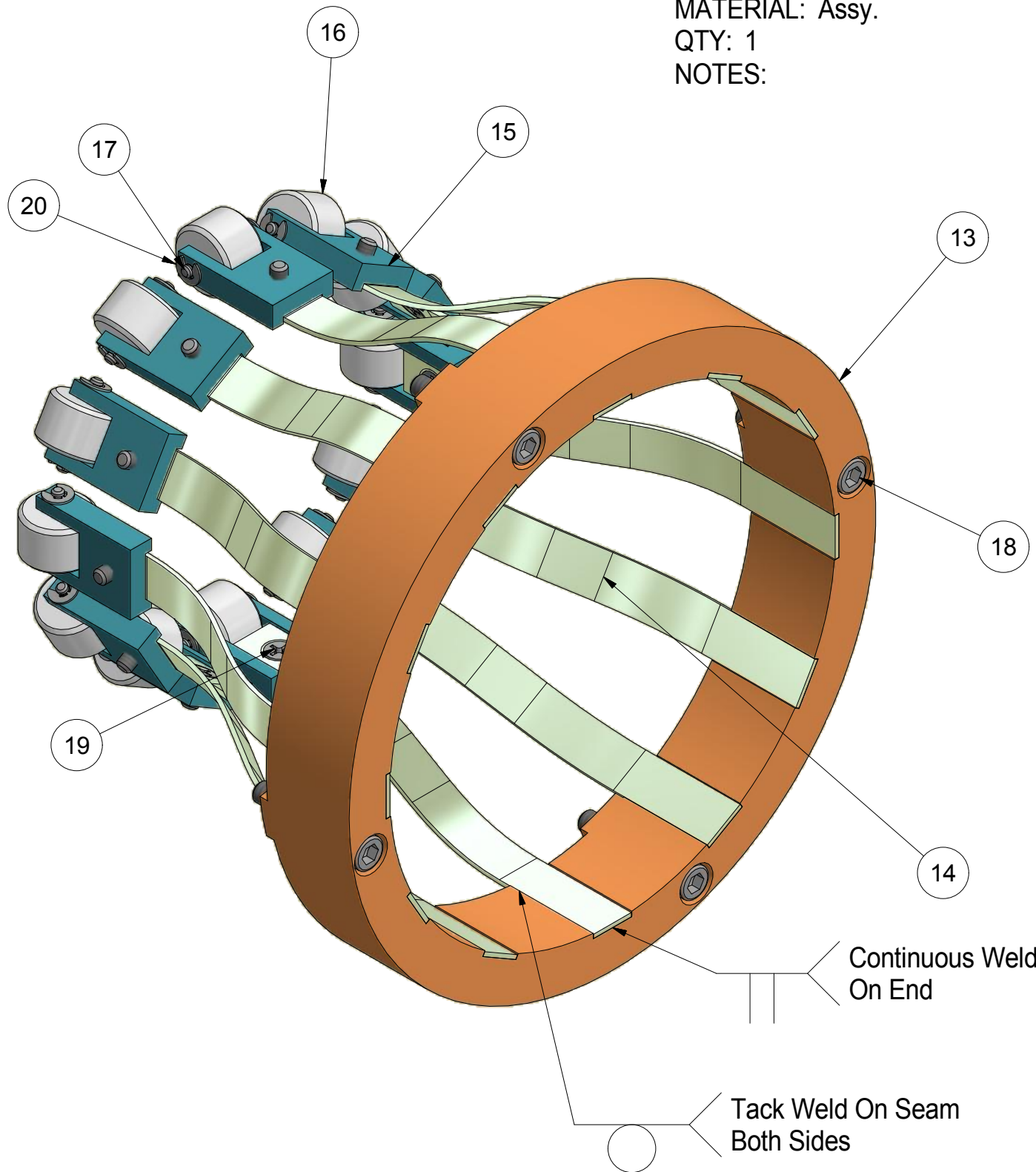


6 Rear Electrode Lock Screw
FILE NAME: 7101-102
SHEET NO.: 7
DFT. SCALE: 5:1
MATERIAL: Titanium
QTY: 3
NOTES: Optional Silver Plating







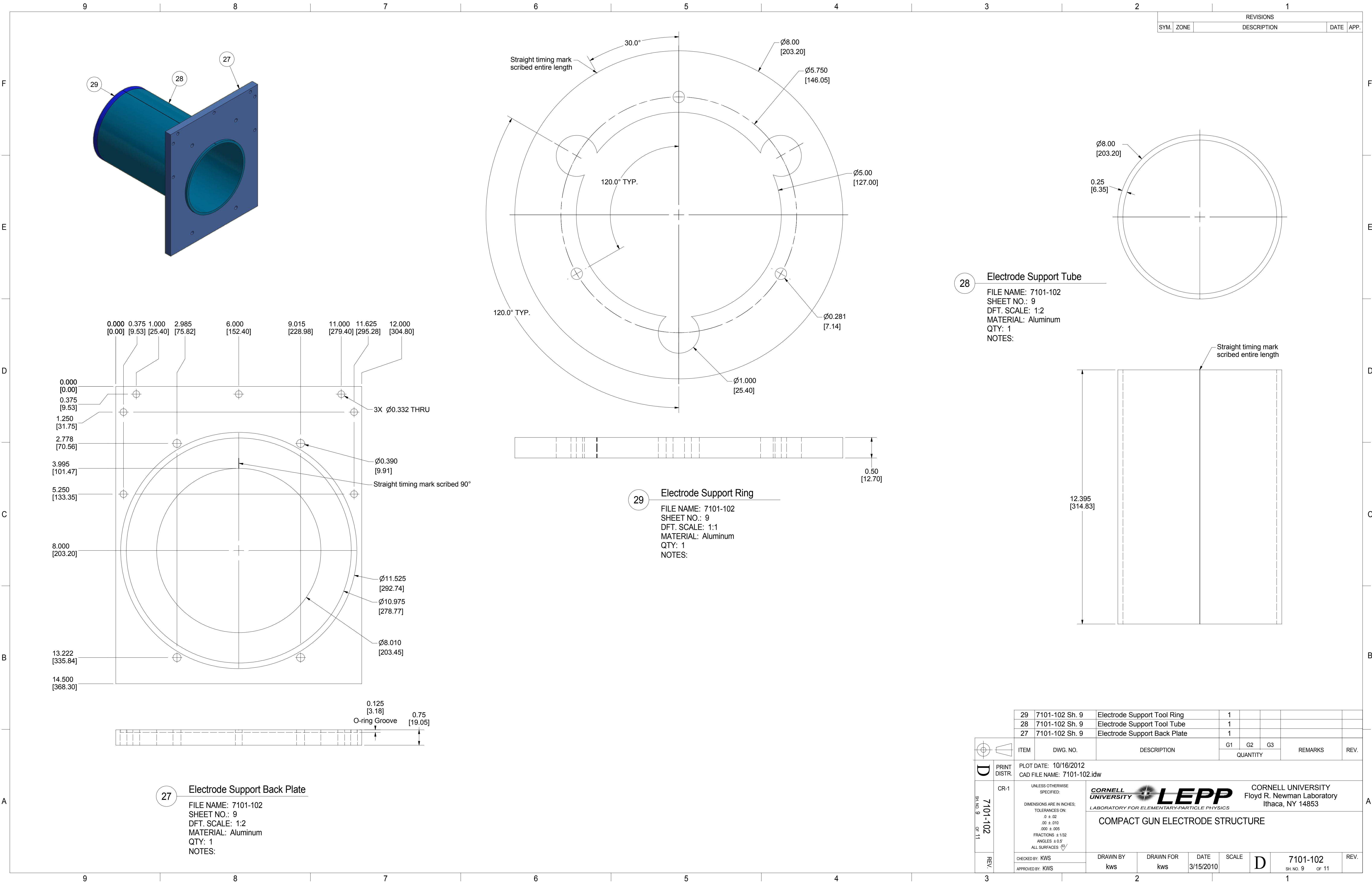
13 Single Piece Puck Keeper Ring
FILE NAME: 7101-102
SHEET NO.: 7
DFT. SCALE: 2:1
MATERIAL: Stainless Steel
QTY: 1
NOTES:

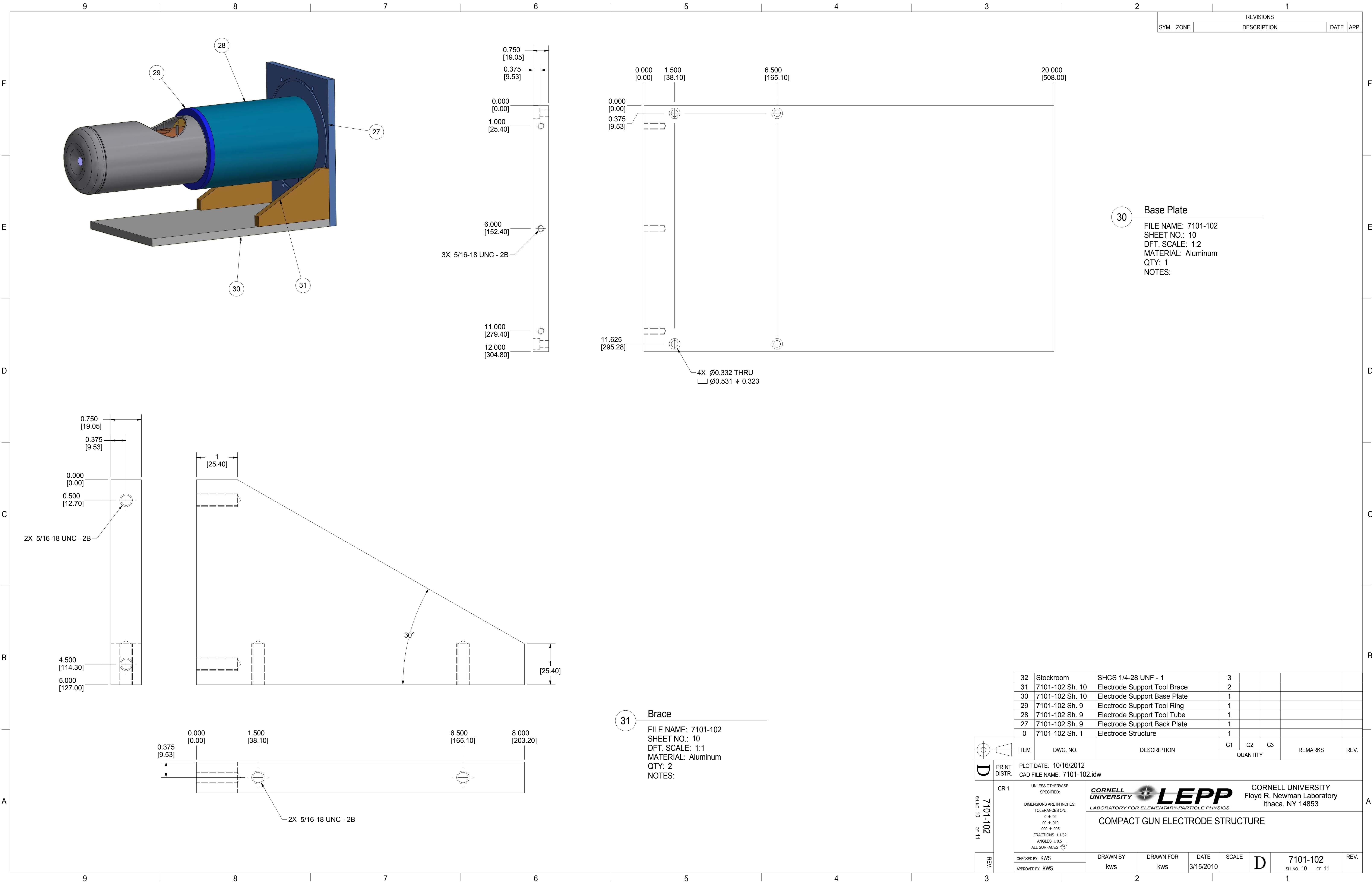
5 Single Piece Puck Keeper Assy.
FILE NAME: 7101-102
SHEET NO.: 7
DFT. SCALE: 3 : 2
MATERIAL: Assy.
QTY: 1
NOTES:



20	Purchased	E-Clip	24		McMaster Carr	9
19	Purchased	Flat Head Screw 2-56 x 3/16	12		McMaster Carr	8
18	Purchased	SHCS 4-40 x 5/8	4		McMaster Carr	8
17	7101-009 Sh. 6	Roller Pin	12			
16	7101-009 Sh. 7	Puck Keeper Roller	12			
15	7101-009 Sh. 5	Puck Keeper Roller Yoke	12			
14	7101-009 Sh. 4	Puck Keeper Leaf Spring	12			
13	7101-102 Sh. 7	Single Piece Keeper Mount Ring	1			

 		ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS	REV.
						QUANTITY					
D	PRINT DISTR.	PLOT DATE: 10/16/2012 CAD FILE NAME: 7101-102.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>LEPP</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>						
7101-102 SH. NO. 7 OF 11		COMPACT GUN ELECTRODE STRUCTURE									
C	REV.	CHECKED BY: KWS	DRAWN BY	DRAWN FOR	DATE	SCALE	D	7101-102		REV. C	
		APPROVED BY: KWS	kws	kws	3/15/2010	SH. NO. 7 OF 11					





REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.

30 Base Plate

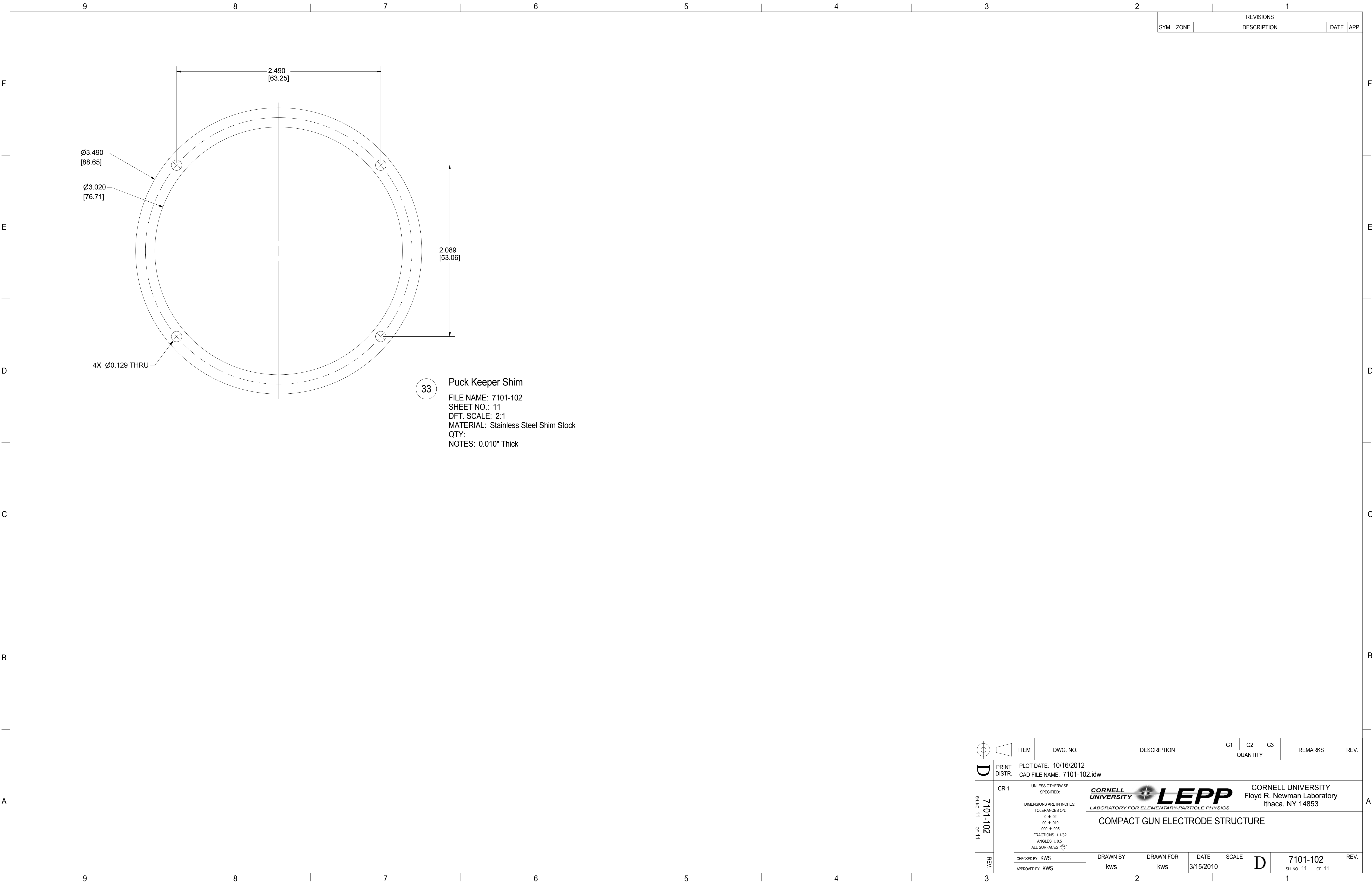
FILE NAME: 7101-102
SHEET NO.: 10
DFT. SCALE: 1:2
MATERIAL: Aluminum
QTY: 1
NOTES:

31 Brace

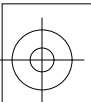
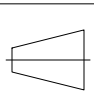


FILE NAME: 7101-102
SHEET NO.: 10
DFT. SCALE: 1:1
MATERIAL: Aluminum
QTY: 2
NOTES:

32	Stockroom	SHCS 1/4-28 UNF - 1	3				
31	7101-102 Sh. 10	Electrode Support Tool Brace	2				
30	7101-102 Sh. 10	Electrode Support Base Plate	1				
29	7101-102 Sh. 9	Electrode Support Tool Ring	1				
28	7101-102 Sh. 9	Electrode Support Tool Tube	1				
27	7101-102 Sh. 9	Electrode Support Back Plate	1				
0	7101-102 Sh. 1	Electrode Structure	1				

		ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS	REV.		
							QUANTITY						
D	PRINT DISTR.	PLOT DATE: 10/16/2012 CAD FILE NAME: 7101-102.idw											
	7101-102 SH. NO. 10 OF 11	CR-1	<p>UNLESS OTHERWISE SPECIFIED:</p> <p>DIMENSIONS ARE IN INCHES;</p> <p>TOLERANCES ON:</p> <p>Ø ± .02</p> <p>.000 ± .005</p> <p>FRACTIONS ± 1/32</p> <p>ANGLES ± 0.5°</p> <p>ALL SURFACES </p>		<div><div><p>CORNELL UNIVERSITY</p></div><div><p>CORNELL UNIVERSITY</p><p>Floyd R. Newman Laboratory</p><p>Ithaca, NY 14853</p></div></div> <p>LABORATORY FOR ELEMENTARY-PARTICLE PHYSICS</p>								
REV.		CHECKED BY: KWS		DRAWN BY		DRAWN FOR		DATE		SCALE		D	7101-102 SH. NO. 10 OF 11
APPROVED BY: KWS		kws		kws		3/15/2010							



REVISIONS				
SYM.	ZONE	DESCRIPTION	DATE	APP.

 D	 PRINT DISTR.	ITEM	DWG. NO.	DESCRIPTION			G1	G2	G3	REMARKS	REV.	
							QUANTITY					
SH. NO. 11 OF 11	7101-102	CR-1	PLOT DATE: 10/16/2012 CAD FILE NAME: 7101-102.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			
	REV.		CHECKED BY: KWS APPROVED BY: KWS	DRAWN BY kws			DRAWN FOR kws	DATE 3/15/2010	SCALE D	7101-102 SH. NO. 11 OF 11	REV.	