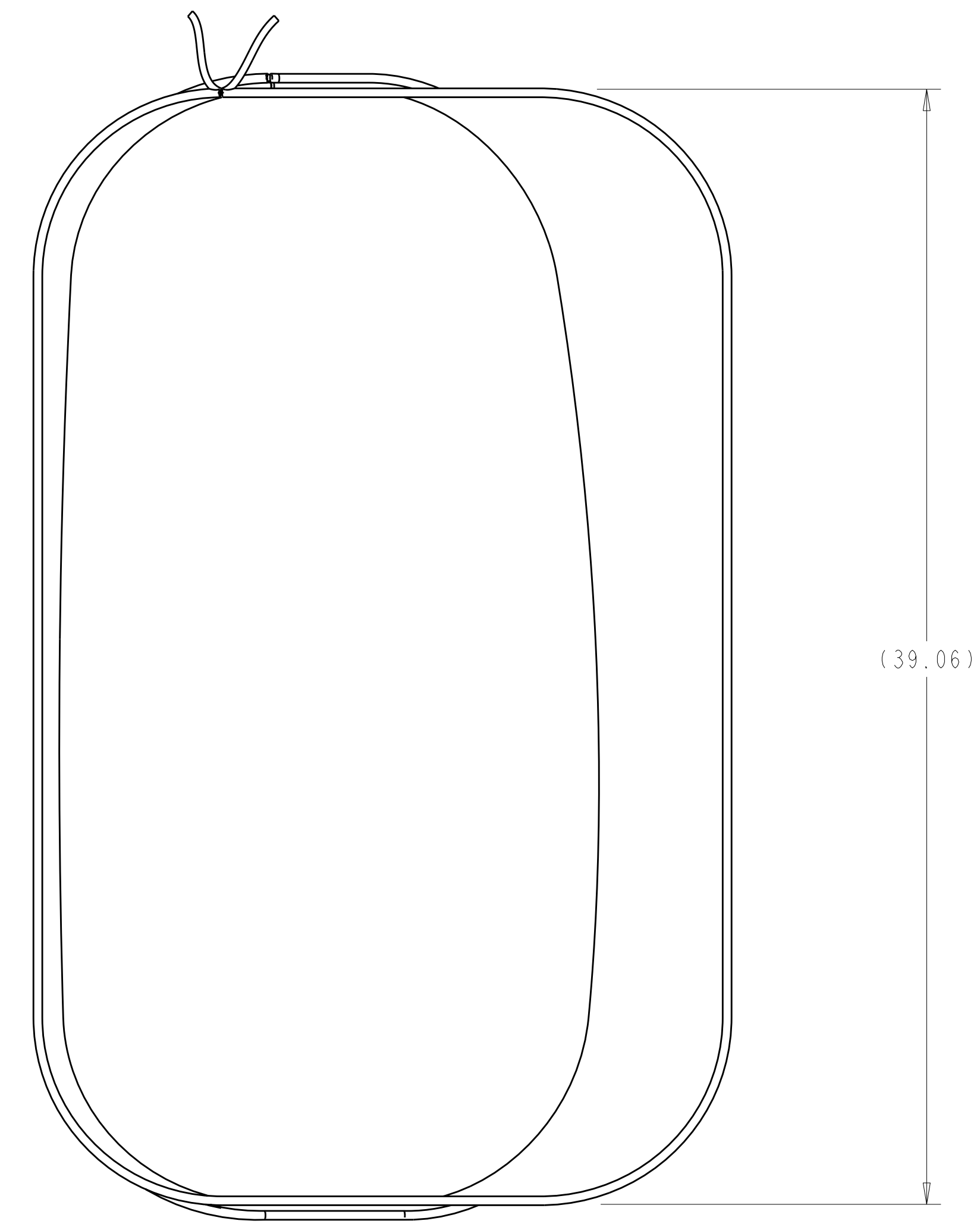
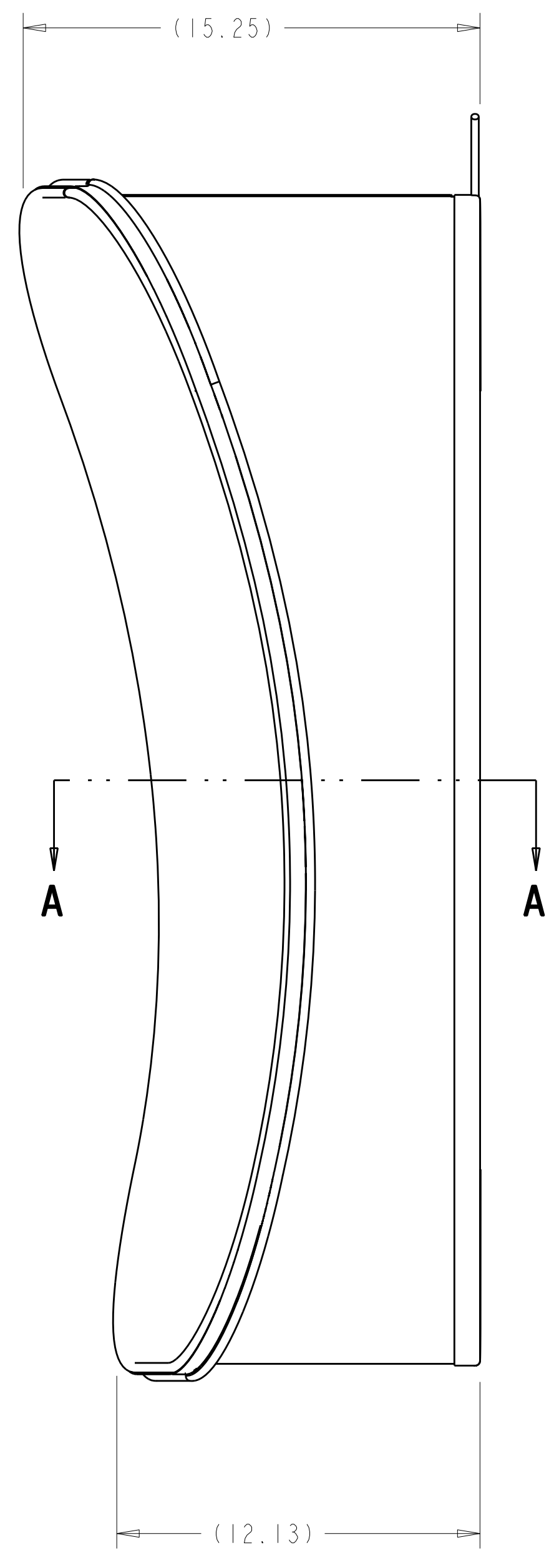


ISOMETRIC VIEW



-1 PORT 4 SEAL BOOT ASSEMBLY  
SCALE .25

- NOTES
- DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.100-2004.
  - INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.
  - DIMENSIONS ARE IN INCHES
  - FLAT PATTERNS TO BE CREATED FROM FULL SIZE PLOT. VERIFY PLOT SIZE WITH 1:1 SCALE GRAPH PROVIDED ON DRAWING.
  - FLAT PATTERNS SHALL MATCH FULL SIZE PLOT WITHIN +/- .06.

F/N 2 - DOUBLE STITCH HEM WITH MINIMUM .38 OVERLAP. ENCLOSE WITHIN HEM  $\varnothing$ .25 ROPE, F/N 3, TO ACT AS A GASKET. THE ENDS OF THE ROPE MUST BE COMPLETELY ENCLOSED WITHIN HEM. THE ENDS OF THE ROPE MUST TOUCH WITHIN THE HEM BUT MAY NOT OVERLAP, CREATING A BULGE.

F/N 2 - DOUBLE STITCH HEM WITH MINIMUM .38 OVERLAP. ENCLOSE WITHIN HEM  $\varnothing$ .25 ROPE, F/N 3, TO ACT AS A DRAW STRING. PROVIDE HOLE THRU THE HEM SO THAT THE ENDS OF THE DRAW STRING EXTEND A MINIMUM OF 6" PER LEAD (12" TOTAL).

SECTION A-A  
SCALE 2.00

**RELEASED FOR  
FABRICATION / INSTALLATION**  
PPPL Drafting:

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
0	ORIGINAL ISSUE	MTR	01/07	SP		01/07						

CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
AR	-3	$\varnothing$ .25 ROPE		NCSX-PRL-12-001	3
4	1	PORT 4 SEAL BOOT CONE		NCSX-PRL-12-001	2
AR	-1	PORT 4 SEAL BOOT ASSEMBLY			1

**PARTS LIST**

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**P** THIS DRAWING PRODUCED ON PRO-ENGINEER

SCALE NOTED

TOLERANCES UNLESS OTHERWISE SPECIFIED

FRACTIONS :  
XX DECIMALS ±.01  
XXX DECIMALS ±.005  
ANGLES ±0°15'  
BREAK SHARP EDGES OR MAX  
FINISH .125 UNLESS OTHERWISE SPECIFIED

DES PL GORANSON 01/07  
DRW MT BROWN 01/07  
CHK S. PARSON 01/07

UT-BATTELLE  
Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725 UT-BATTELLE, LLC, Oak Ridge, Tennessee

NATIONAL COMPACT STELLARATOR EXPERIMENT

PORT 4 SEAL BOOT ASSEMBLY

PPPL DRFT J SIEGEL 01/07

VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
7	ORNL	5700	3	1	2	A	U

RELEASE LEVEL Fabrication

SEI22-409

REV 0

8

7

6

5

4

3

2

1

NEXT ASS'Y:

FINAL ASS'Y:

H

H

G

G

F

F

E

E

D

D

C

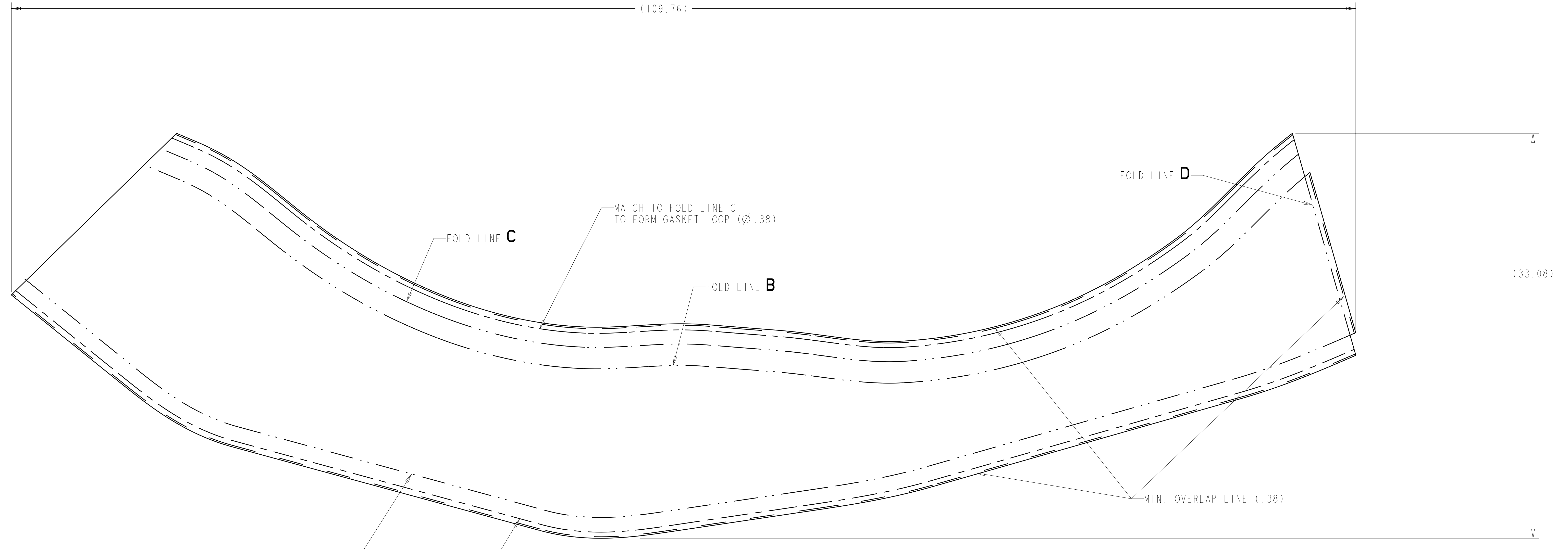
C

B

B

A

A



FOLD LINE A  
 MATCH TO FOLD LINE A  
 TO FORM DRAW STRING LOOP (Ø.38)

FOLD LINE C

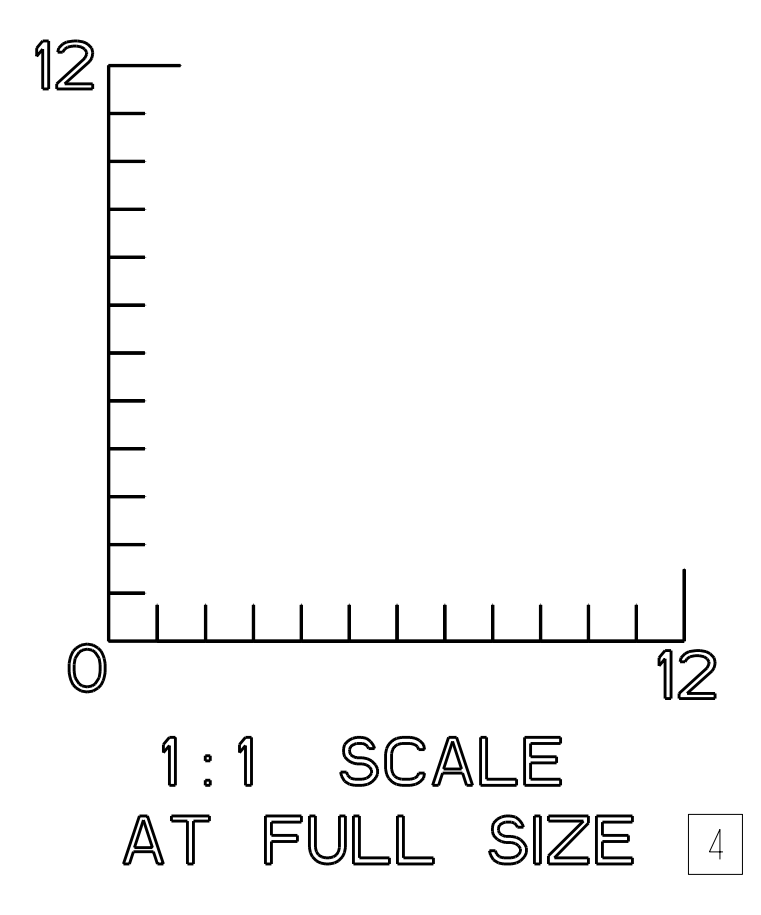
MATCH TO FOLD LINE C  
 TO FORM GASKET LOOP (Ø.38)

FOLD LINE B

FOLD LINE D

MIN. OVERLAP LINE (.38)

-2 FLAT PATTERN 4 5  
 SCALE 0.25



**RELEASED FOR  
 FABRICATION / INSTALLATION**  
 PPPL Drafting:

Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725 UT-BATTELLE, LLC, Oak Ridge, Tennessee PROJECT NAME										
<b>UT-BATTELLE</b> <b>NATIONAL COMPACT STELLARATOR EXPERIMENT</b>										
<b>PORT 4 SEAL BOOT          ASSEMBLY</b>										
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS			
7	ORNL	5700	3	2	2	A	U			
RELEASE LEVEL		SE122-409						REV		
Fabrication								0		

8

7

6

5

4

3

2

1

SE122-409