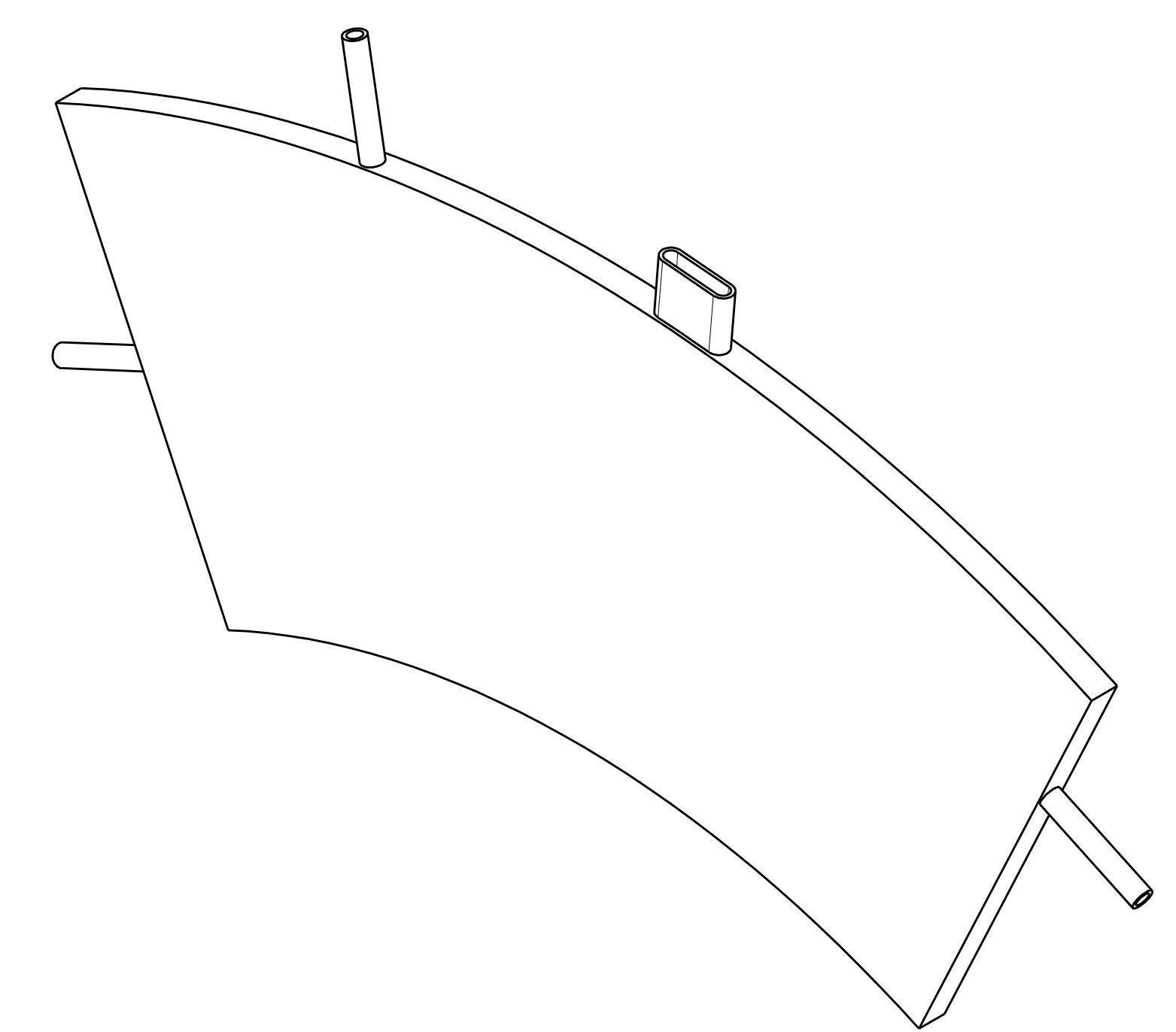
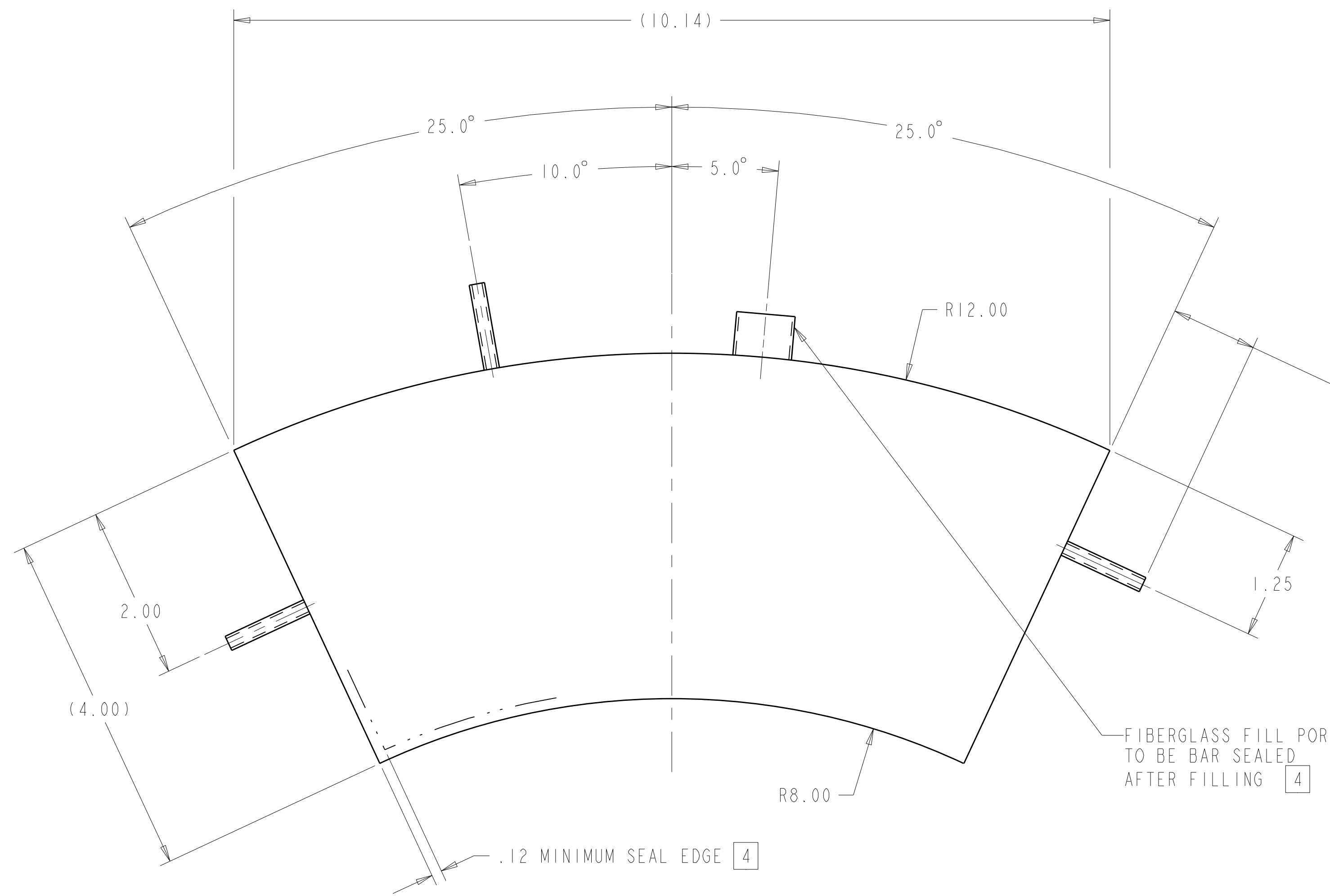


- NOTES
- DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.100-2004.
 - INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.
 - DIMENSIONS ARE IN INCHES
 - BAG TO BE FABRICATED FROM 5 MIL THICK CLEAR FEP SHEET CONTINUOUSLY SEALED AROUND EDGE. FILL PORTS TO BE BONDED IN PLACE USING A MANUFACTURER APPROVED ADHESIVE.



ISOMETRIC VIEW
 SCALE 1.00

I am not sure how to say this but should we say something about filling with fiberglass. Fill with chopped (or other type) fiberglass to a density of TBD lbs/in³. Make sure all areas of the bag are filled before final seal

Should we say something about the leak tightness. "The bag shall not show any signs of leakage when pressurized with TBD psi and held for 5 minutes"

-1 WING SUPPORT BLADDER
 SCALE 1.000

SEE SHEET 2 FOR APPROXIMATE WING LOCATIONS

AR	AR	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
SE140-001	SE140-003		-1	WING SUPPORT BLADDER	TEFLON FEP [4]	ASTM D-882 (MECHANICAL)	1
				← NEXT ASSEMBLY	PARTS LIST		

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P THIS DRAWING PRODUCED ON PRO-ENGINEER

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
0	ORIGINAL ISSUE	GM	03/07									
REVISION OR ISSUE PURPOSE												
REVISION APPROVAL												

SCALE NOTED	DES: D WILLIAMSON 03/07
TOLERANCES UNLESS OTHERWISE SPECIFIED	DRW: G MCGINNIS 03/07
FRACTIONS	CHK:
XX DECIMALS ±.01	SECT:
XXX DECIMALS ±.005	DEPT:
ANGLES ±0°15'	PE:
BREAK SHARP EDGES .06 MAX	CR:
FINISH .125 UNLESS OTHERWISE SPECIFIED	PJ:
	RED:
	PPPL DRFT J SIEGEL 03/07
	VERSION NO.:
	PLANT ORNL
	BLDG 5700
	FL 3
	SHT OF 1
	TYPE 2
	CLASS S
	REV U
	RELEASE LEVEL
	WIP
	DATE

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

UT-BATTELLE

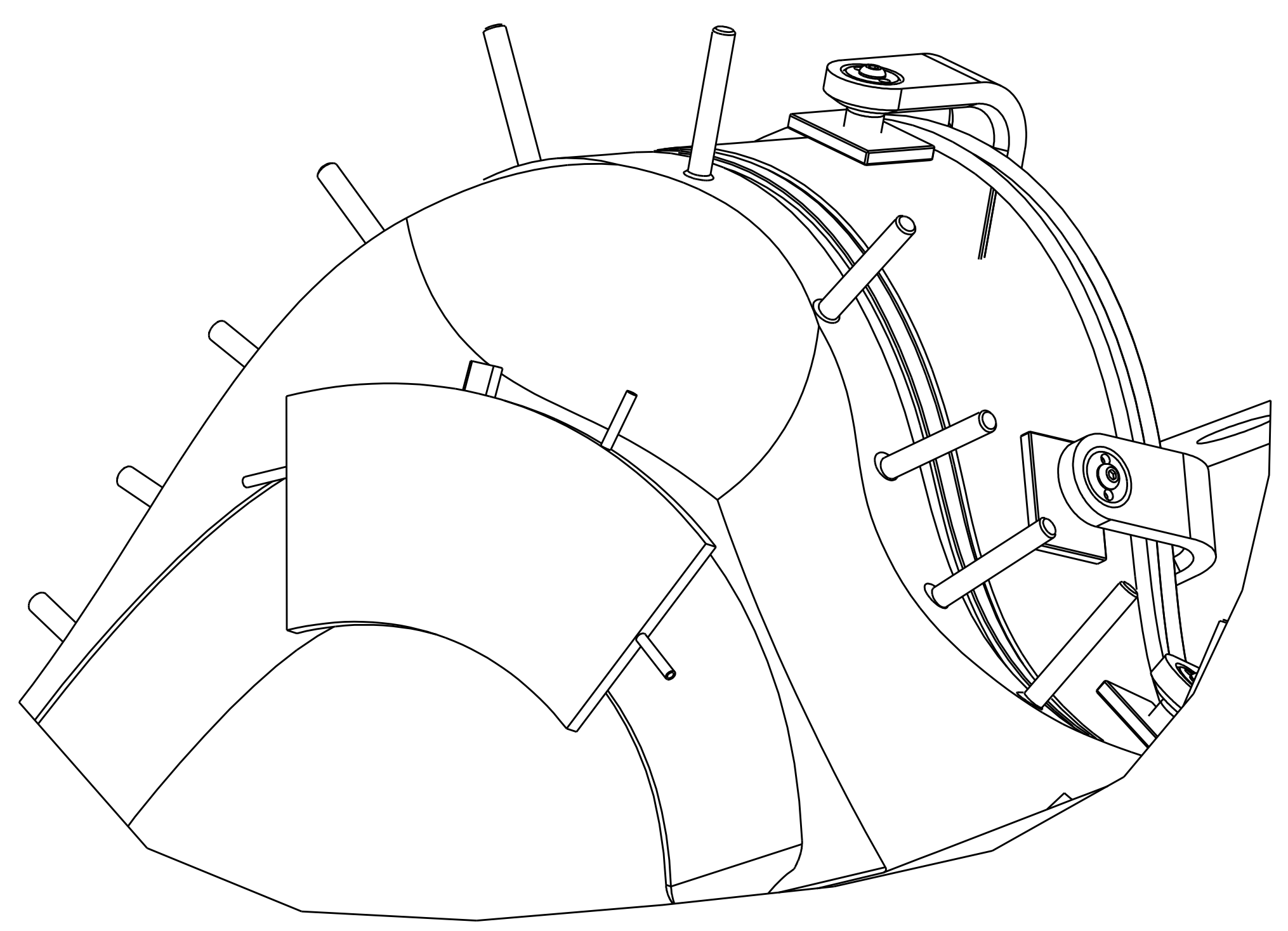
PRODUCT NAME

NATIONAL COMPACT STELLARATOR EXPERIMENT

WING SUPPORT BLADDER

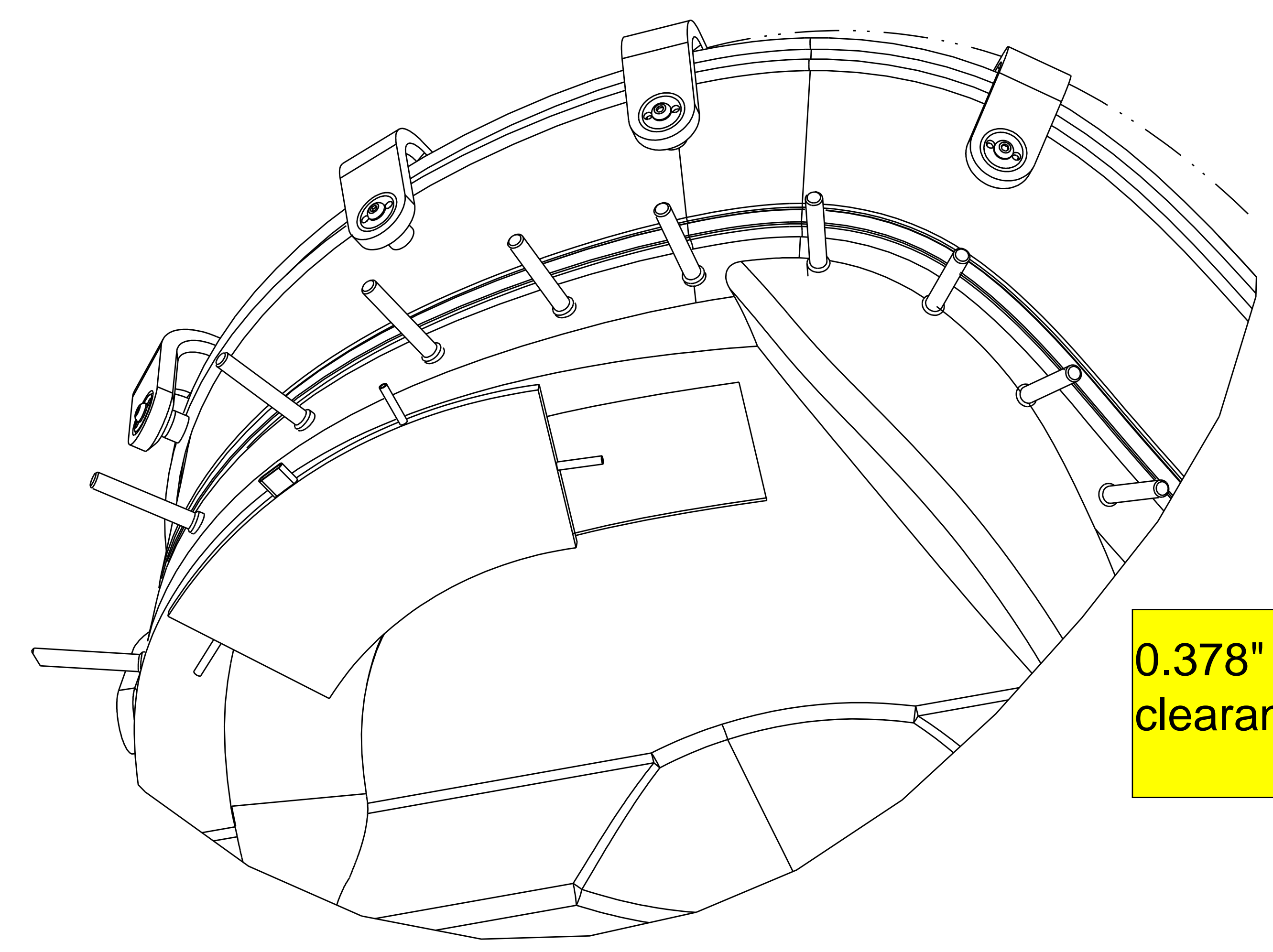
SE140-050

SE140-050



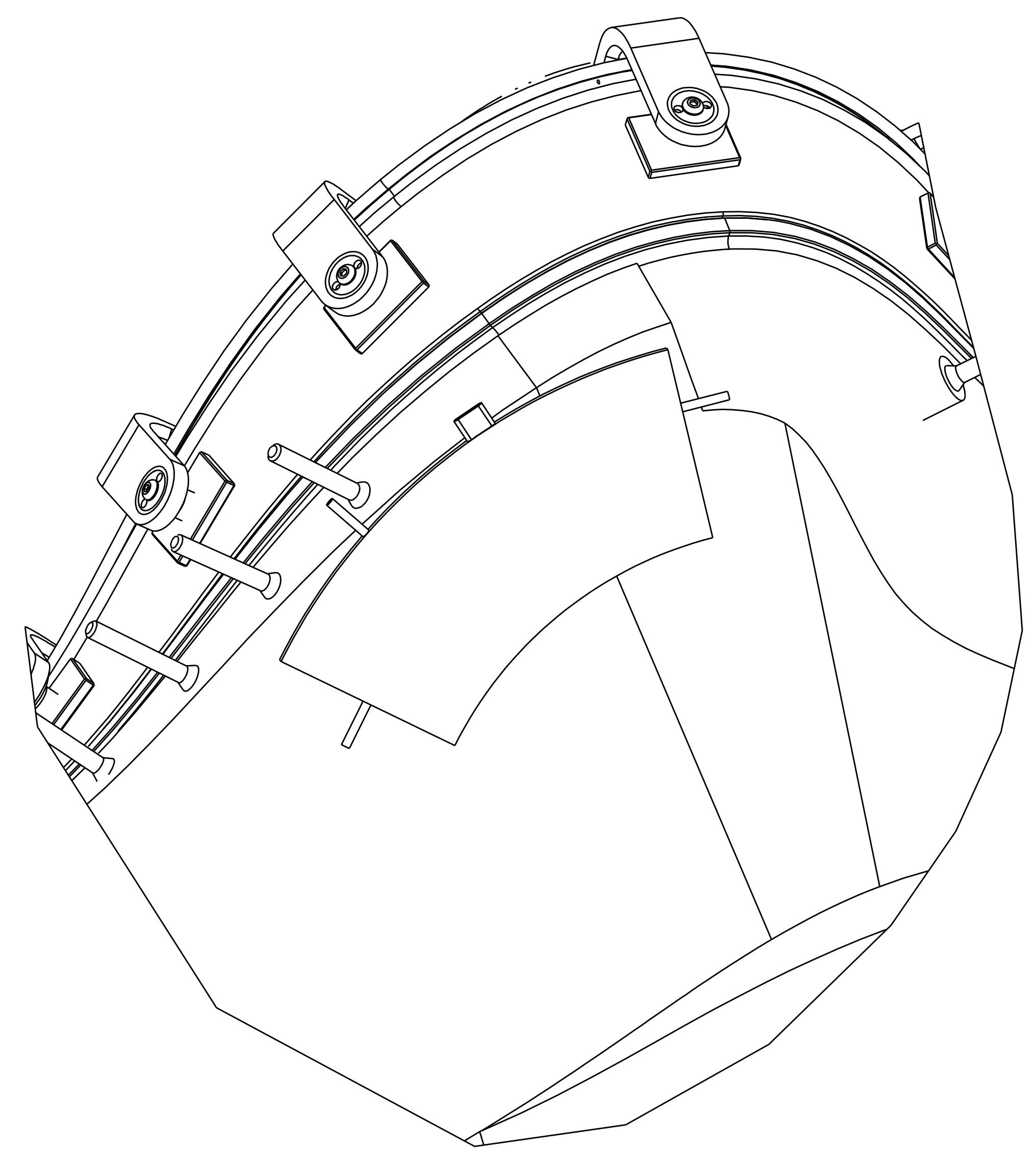
0.358" CAD space clearance

WING BLADDER BETWEEN A-B
A COIL -REF NUMBER 3
SCALE .50



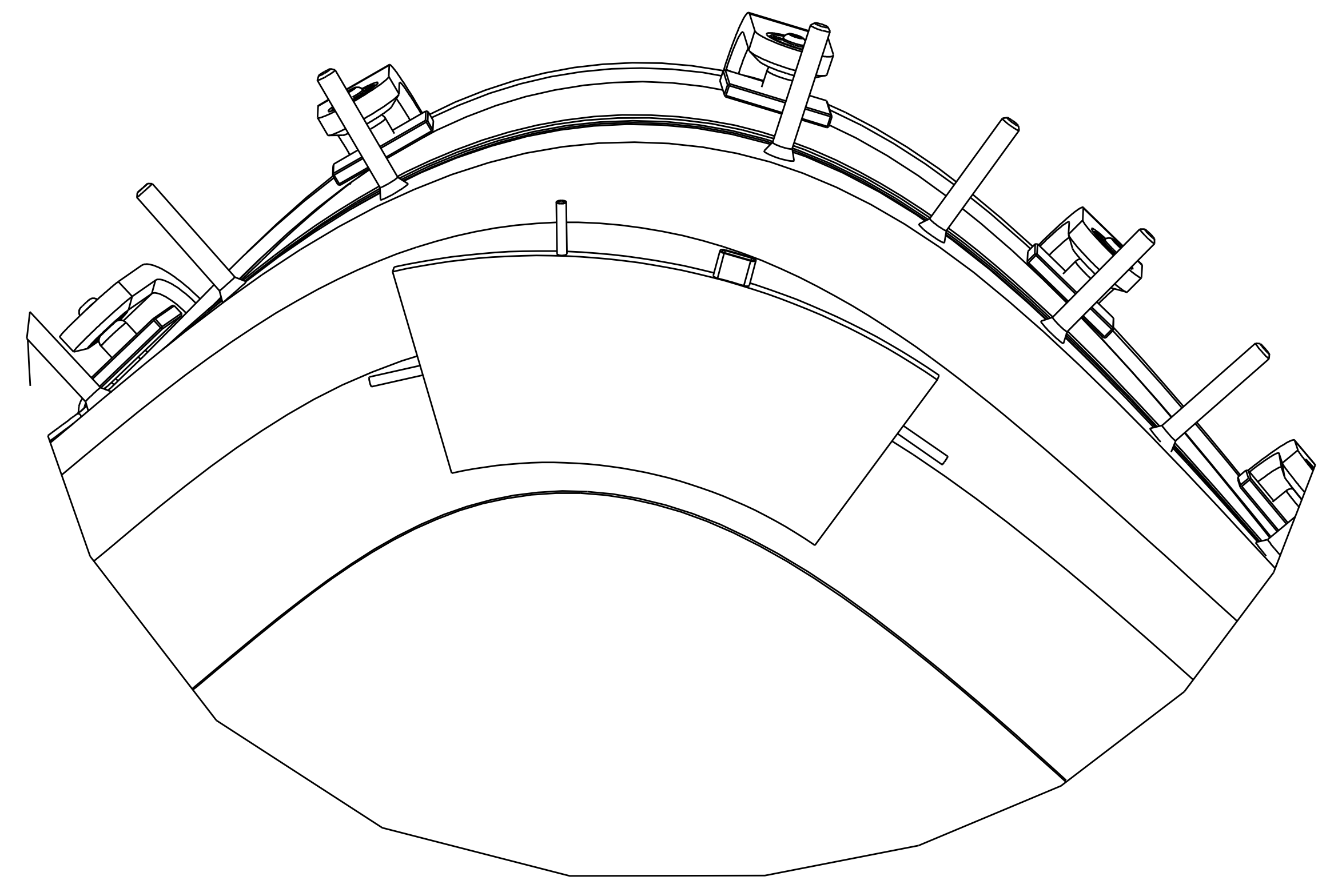
0.378" CAD space clearance

WING BLADDER BETWEEN A-B
B COIL -REF NUMBER 2
SCALE .50



0.25" CAD space clearance

WING BLADDER BETWEEN B-C
C COIL REF NUMBER 6
SCALE .50



0.368" CAD space clearance

WING BLADDER BETWEEN C-C
C COIL REF NUMBER 9
SCALE .50

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UT-BATTELLE							
NATIONAL COMPACT STELLARATOR EXPERIMENT							
WING SUPPORT BLADDER							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
0+	ORNL	5700	3	2 2	S	U	
RELEASE LEVEL		SEI40-050				REV	0
WIP							

H
G
F
E
D
C
B
A