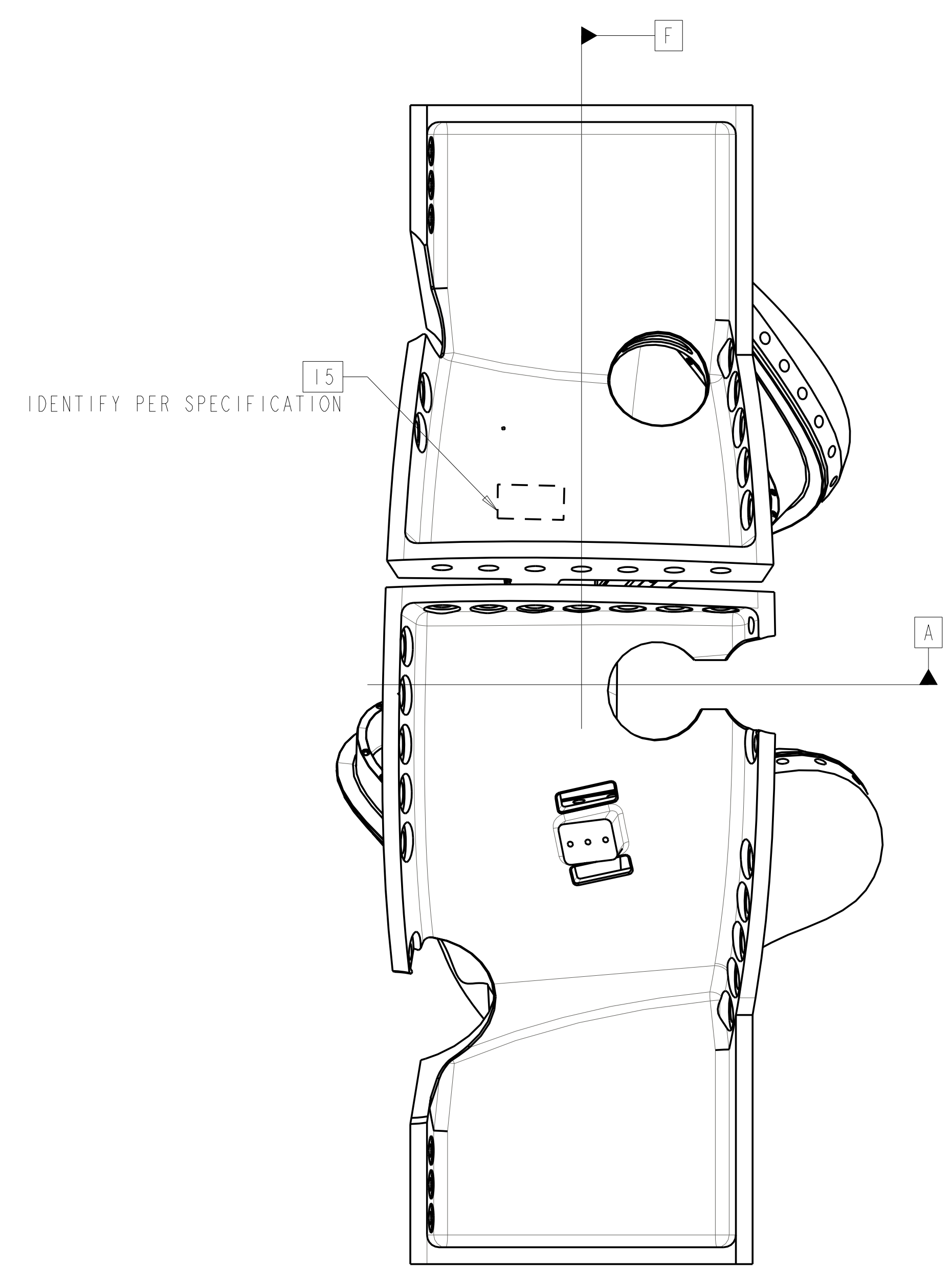
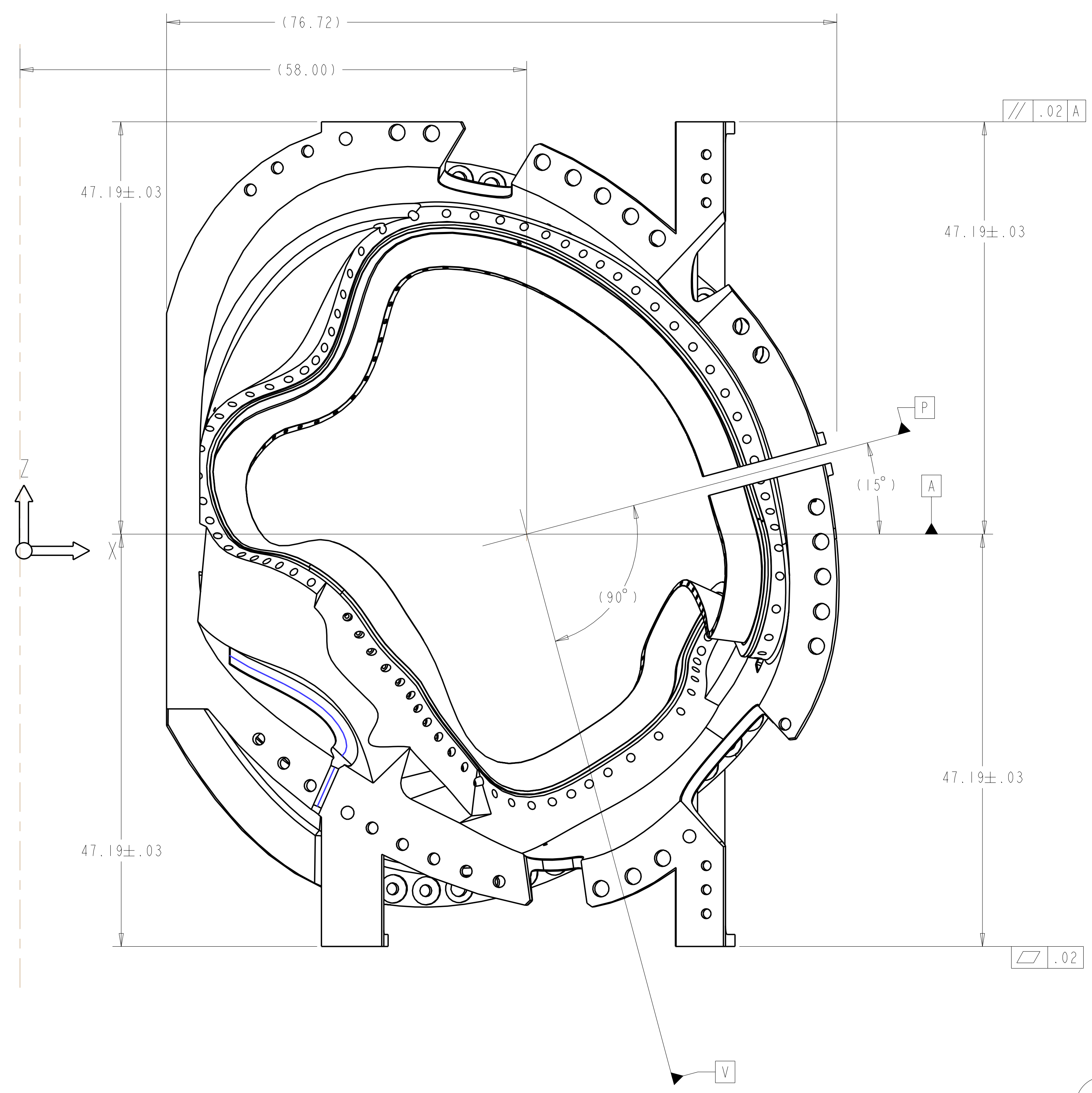


ISOMETRIC VIEW

- NOTES:
- DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.8M-1996
 - INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1994.
 - DIMENSIONS ARE IN INCHES
 - DRAWING DEPICTS FINAL MACHINED STATE OF PART DEFINED BY PRO/ENGINEER FILE SEI41-116.PRT.
 - UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE RELATED TO DATUM A- (PRIMARY X-Y PLANE, TOP) DATUM B- (SECONDARY Y-Z PLANE, SIDE) DATUM C- (TERTIARY X-Z PLANE, FRONT)
 - DIMENSIONS APPLY AT ROOM TEMPERATURE. OPERATING TEMP 80 K
 - DIMENSIONS AND TOLERANCES EXCLUDE PROCESS MATERIAL ALLOWANCES WHICH MAY ADD MASS.
 - APPROXIMATE WEIGHT = 4898 LBS WEIGHT OF FINISHED PART NOT TO EXCEED 6000 lbs.
 - UNLESS OTHERWISE SPECIFIED, AS-CAST SURFACE PROFILE TOLERANCE = +/- .25 - INCH, WITH EXEMPTION FOR INTERSECTING SURFACES WHERE FILLETS ARE EXPECTED. MIN FILLET AND CORNER RADII = 0.5 +/- 0.1-IN.
 - DESIGNATED SURFACE REGIONS HAVE PROFILE TOLERANCE = +/- 0.125-IN.
 - MIN THICKNESS PER CAD GEOMETRY, TOLERANCE = +0.25-IN / -0.0-IN.
 - PARTING LINE EDGES, FLASH, GATES, RUNNER, AND RISER EXTENSIONS 0.25-IN MAX
 - UNLESS OTHERWISE SPECIFIED, MACHINED SURFACE PROFILE TOLERANCE = +/- 0.01-IN.
 - BACK SPOTFACE ALL THRU HOLES MINIMUM TO CLEAN UP.
 - SEE SPECIFICATION, NCSX-CSPEC-141-03-00, FOR ADDITIONAL REQUIREMENTS.



**FOR INFORMATION ONLY
NOT FOR FABRICATION**

AR	X	SEI41-116	WINDING FORM TYPE-C	STAINLESS STEEL	SEE NOTE #15	I
SEI41-103	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
			NEXT ASSEMBLY		PARTS LIST	

SCALE .125

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF, ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES, AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

P THIS DRAWING PRODUCED ON PRO-ENGINEER

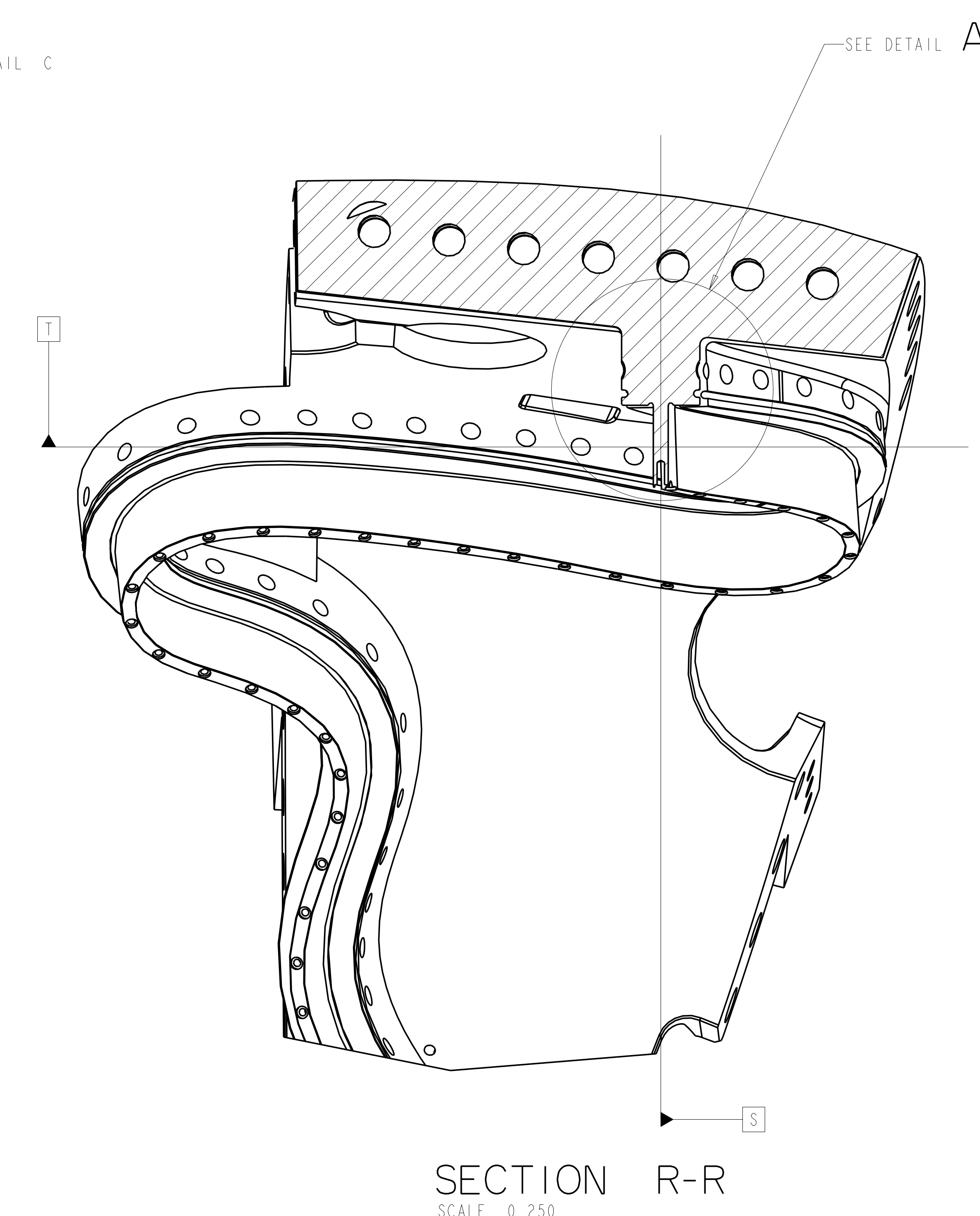
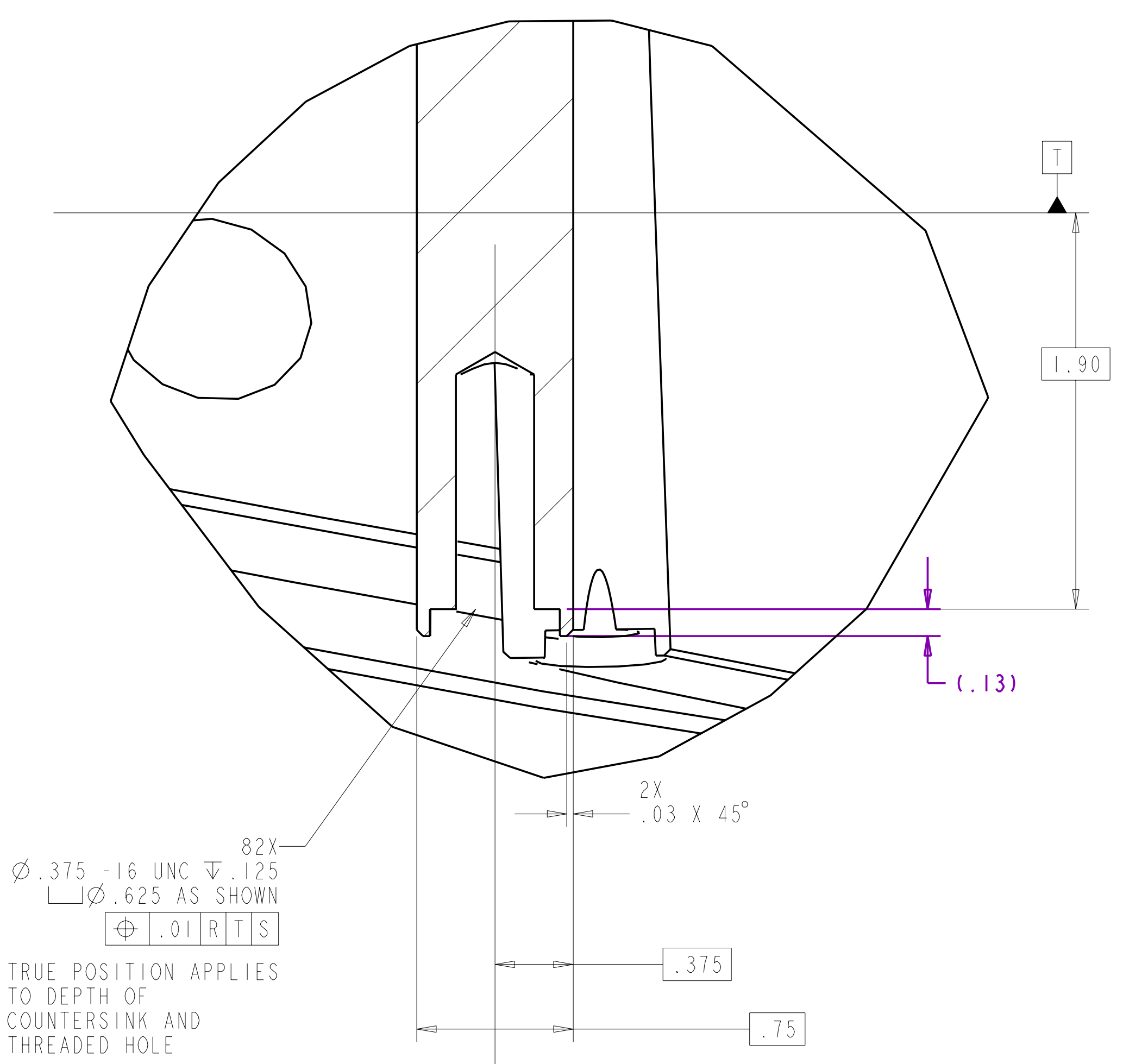
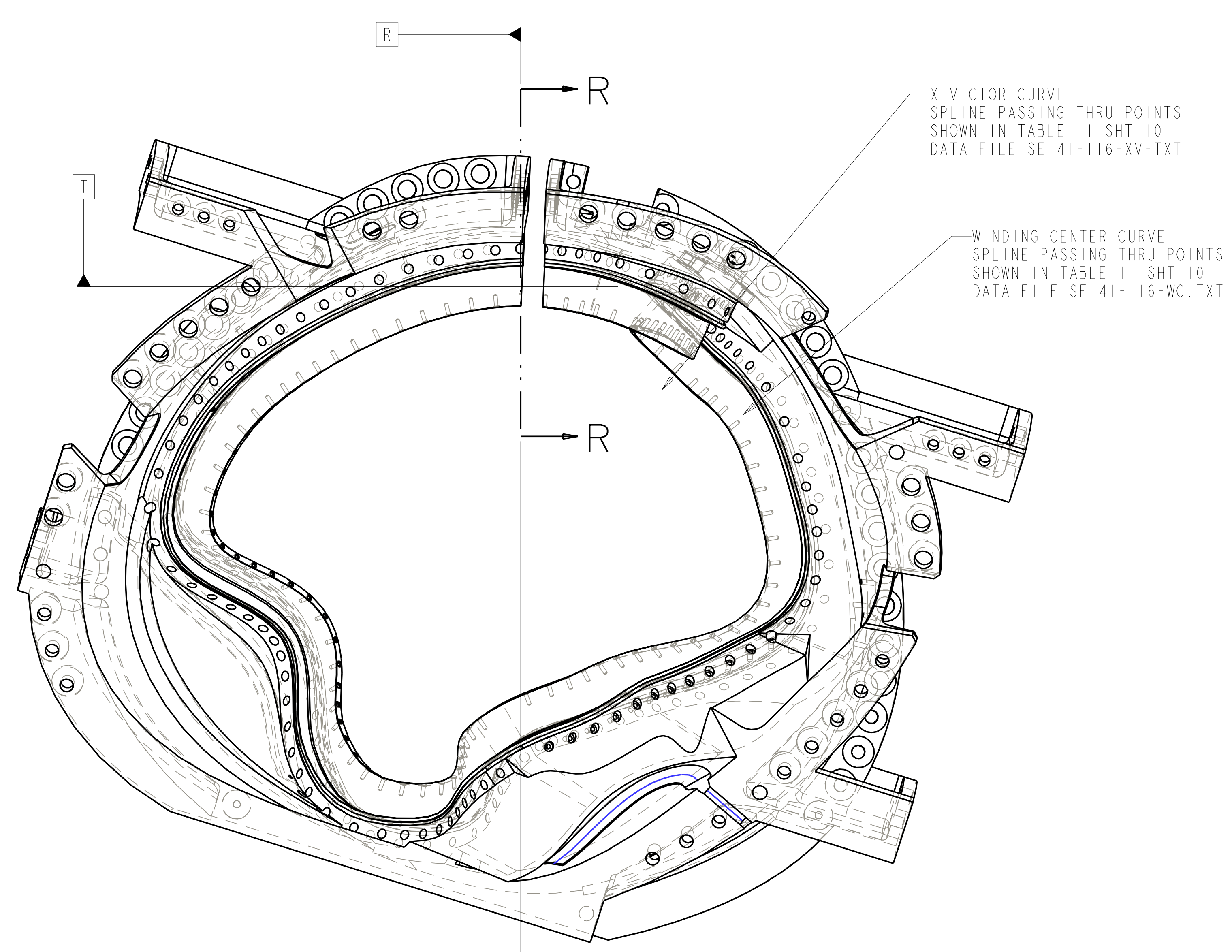
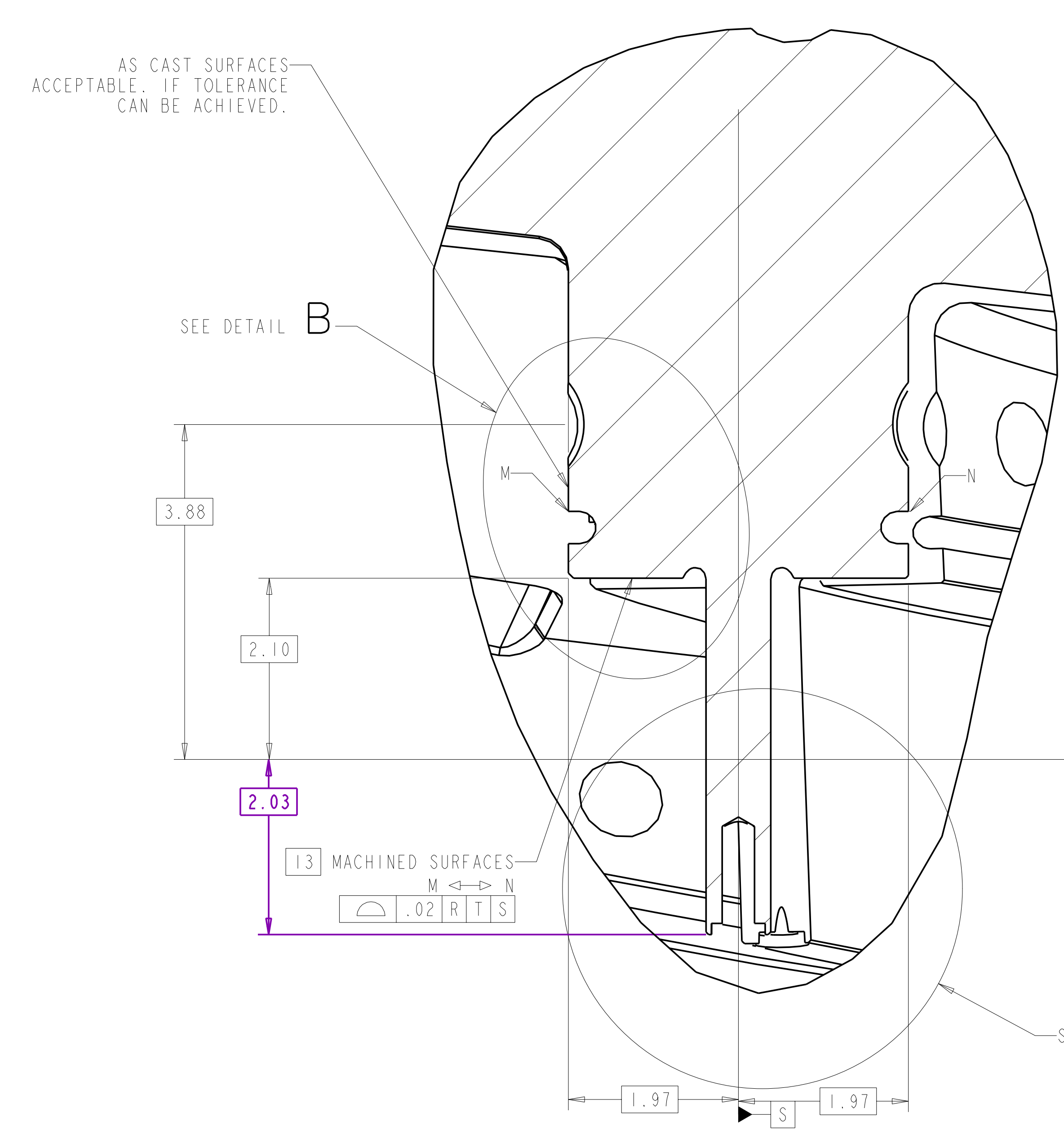
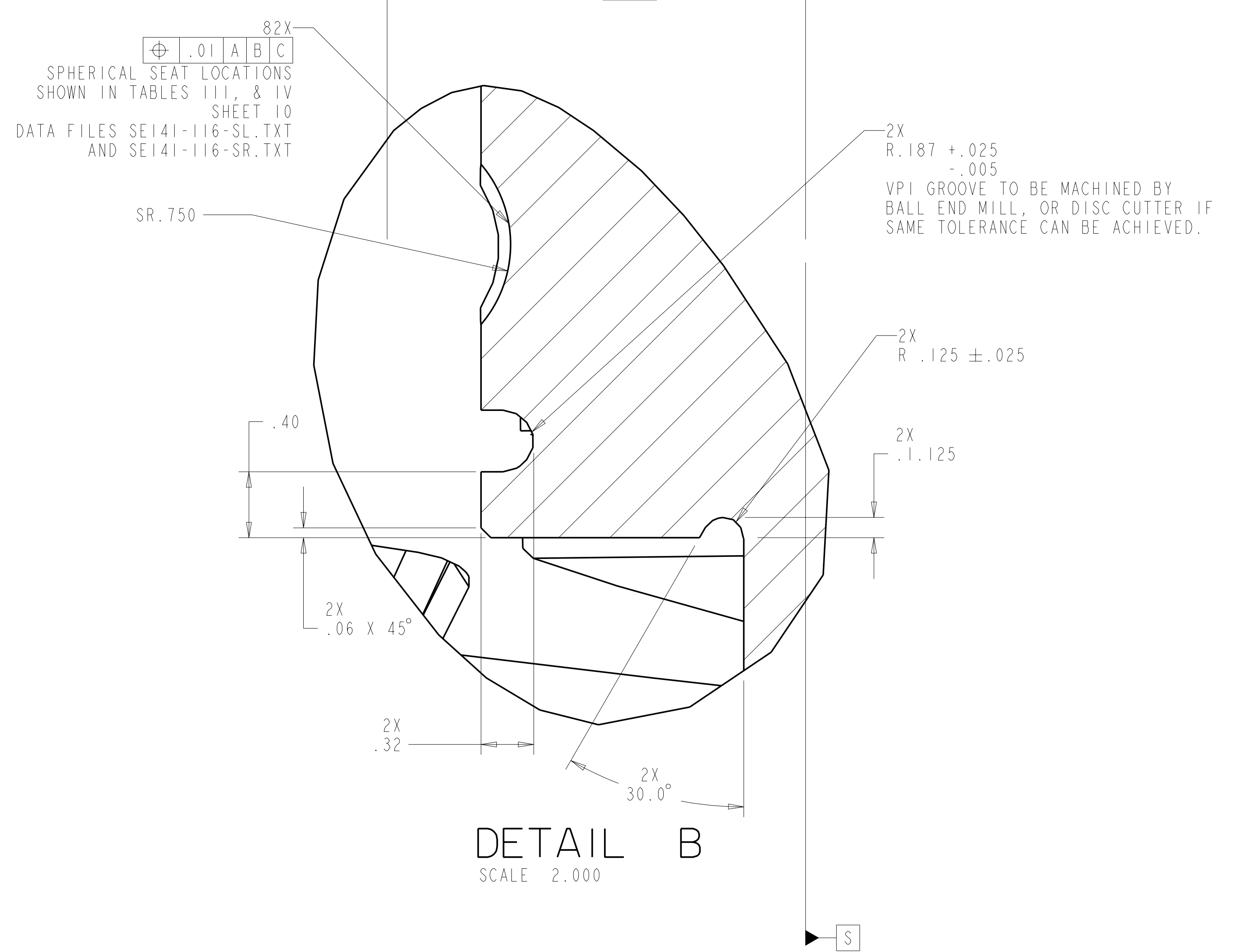
REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
REVISION OR ISSUE PURPOSE	REVISION APPROVAL											

SCALE NOTED	DES	DATE
TOLERANCES UNLESS OTHERWISE SPECIFIED	T BROWN	5-5-04
FRACTIONS ± .01	DRW G LOVETT	5-5-04
XX DECIMALS ± .005	CHK M. COLE	6-25-04
XXX DECIMALS ± .0015	SECT :	
ANGLES ± 0'15"	DEPT :	
BREAK SHARP EDGES .06 MAX	PE D. WILLIAMSON	6-25-04
FINISH .125 UNLESS OTHERWISE SPECIFIED	CR :	
	PJ :	
	RED :	
	PPPL DRFT J. SIEGEL	6-25-04

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			
PRODUCTION WINDING FORM TYPE-C			
VERSION NO.	PLANT	BLDG	FL
28+	X-10	5700	3
RELEASE LEVEL			
WIP			
SEI41-116			

H G F E D C B A

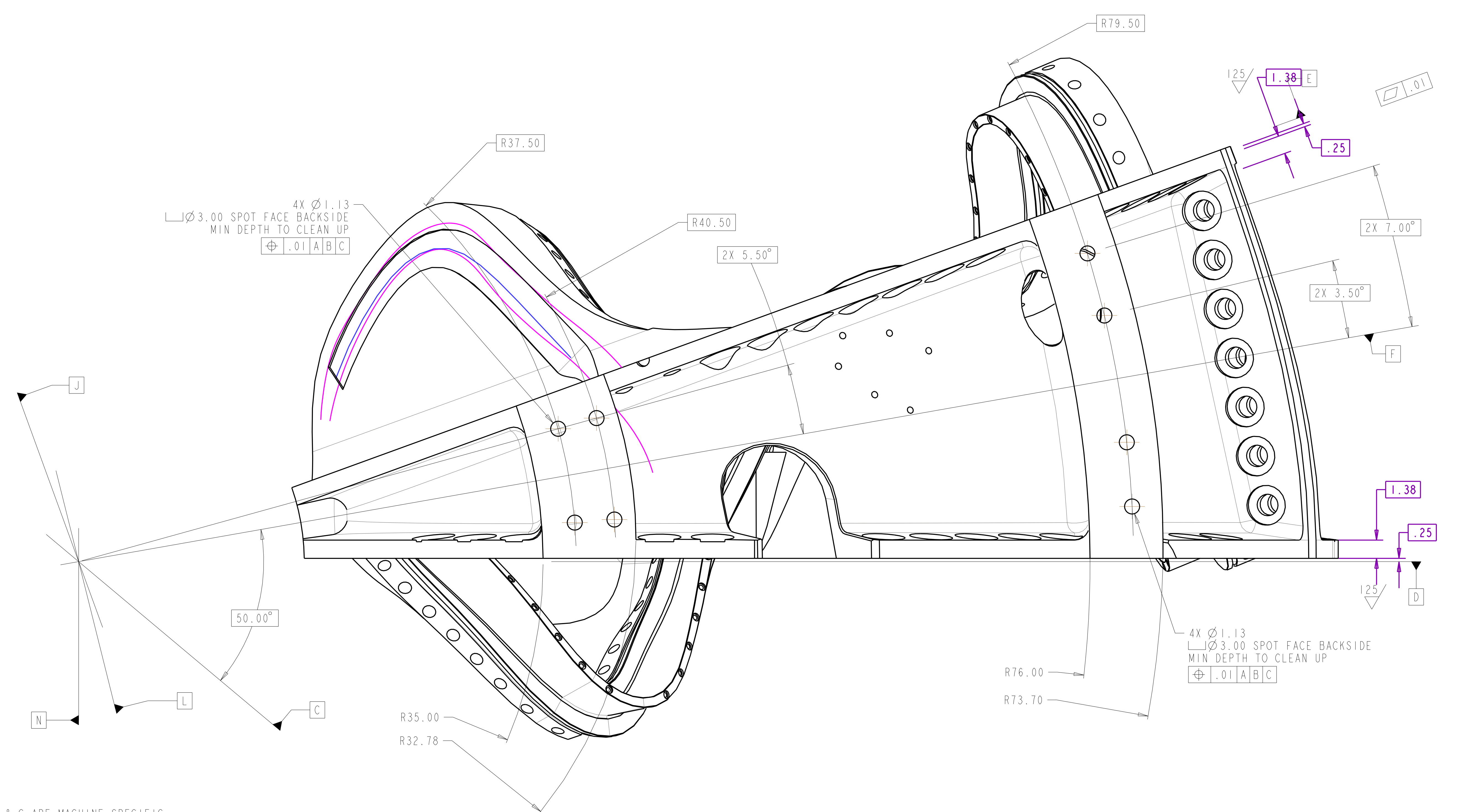
SEI41-116



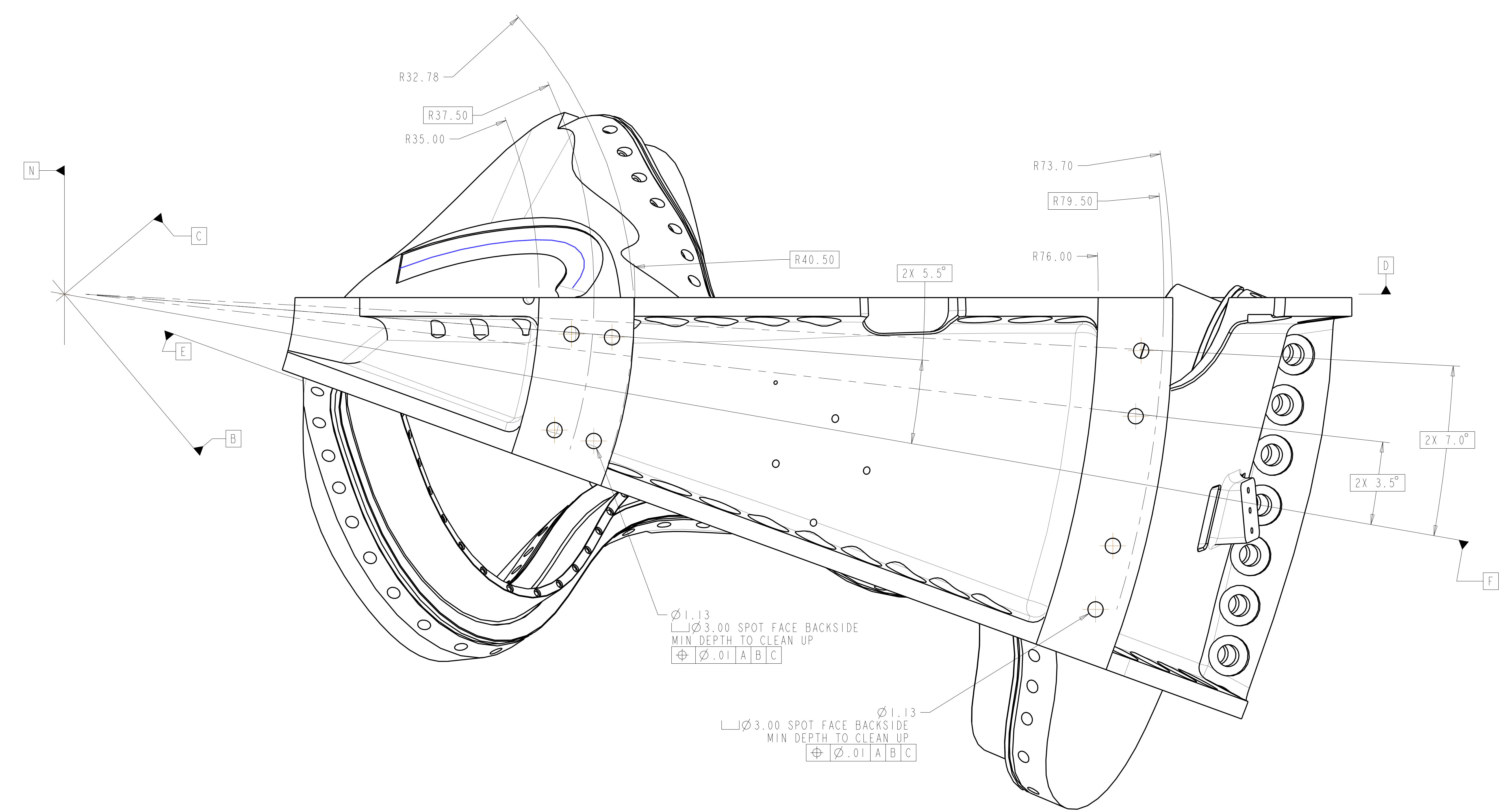
DATUM R = PLANE NORMAL TO WINDING CENTER
 DATUM S = PLANE PASSING THRU WINDING CENTER AND X VECTOR AT DATUM R
 DATUM T = PLANE PASSING THRU WINDING CENTER ORTHOGONAL TO DATUM S

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							
UT-BATTELLE NATIONAL COMPACT STELLARATOR EXPERIMENT							
PRODUCTION WINDING FORM TYPE-C							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
28+	X-10	5700	3	2	11	S	U
RELEASE LEVEL	SE141-116						REV
WIP							0

FOR GENERAL NOTES AND PARTS, SEE SHEET 1.



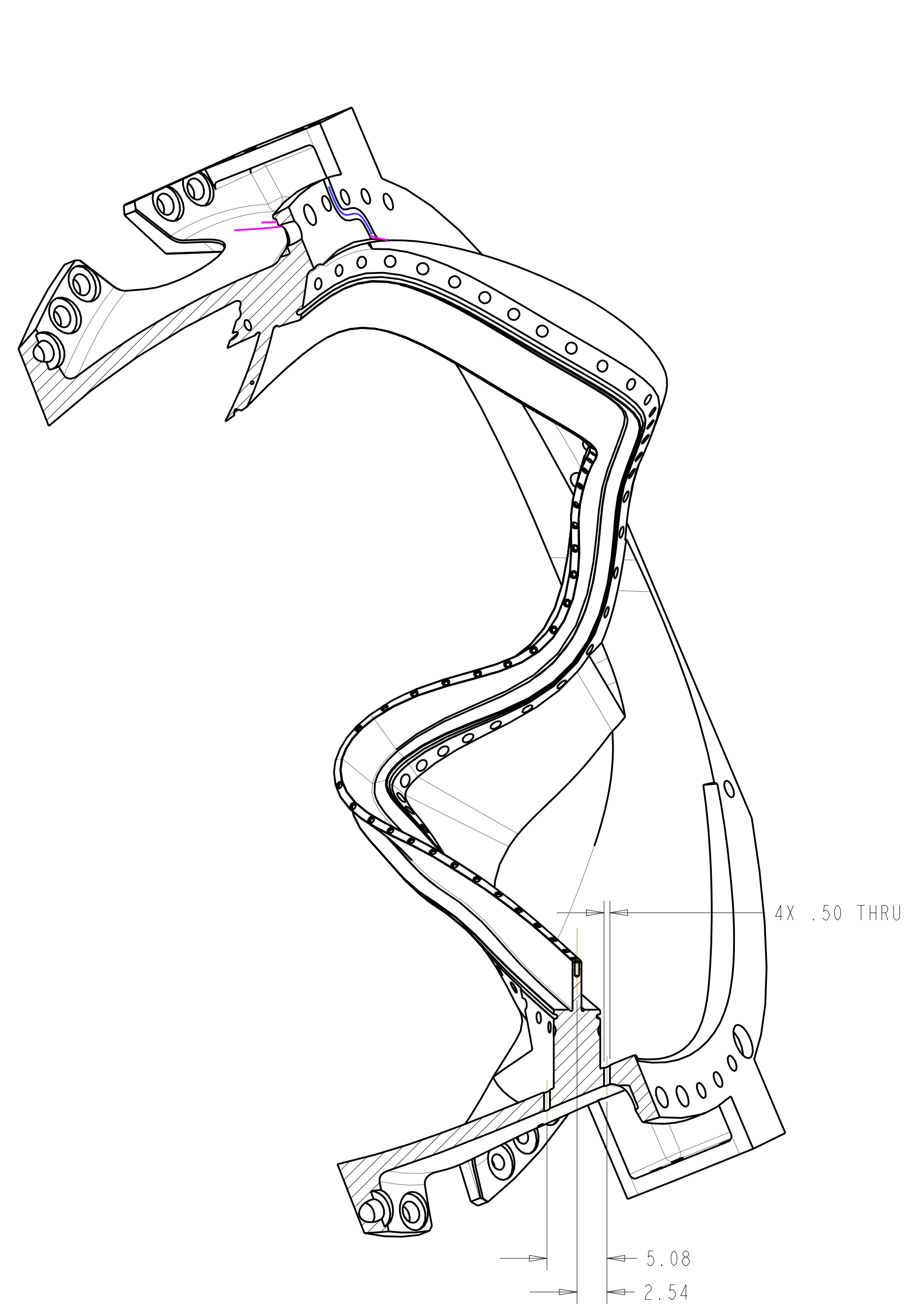
DATUMS A B & C ARE MACHINE SPECIFIC.
ALL OTHER DATUMS LISTED ON THIS DRAWING
ARE SPECIFIC TO THIS PART



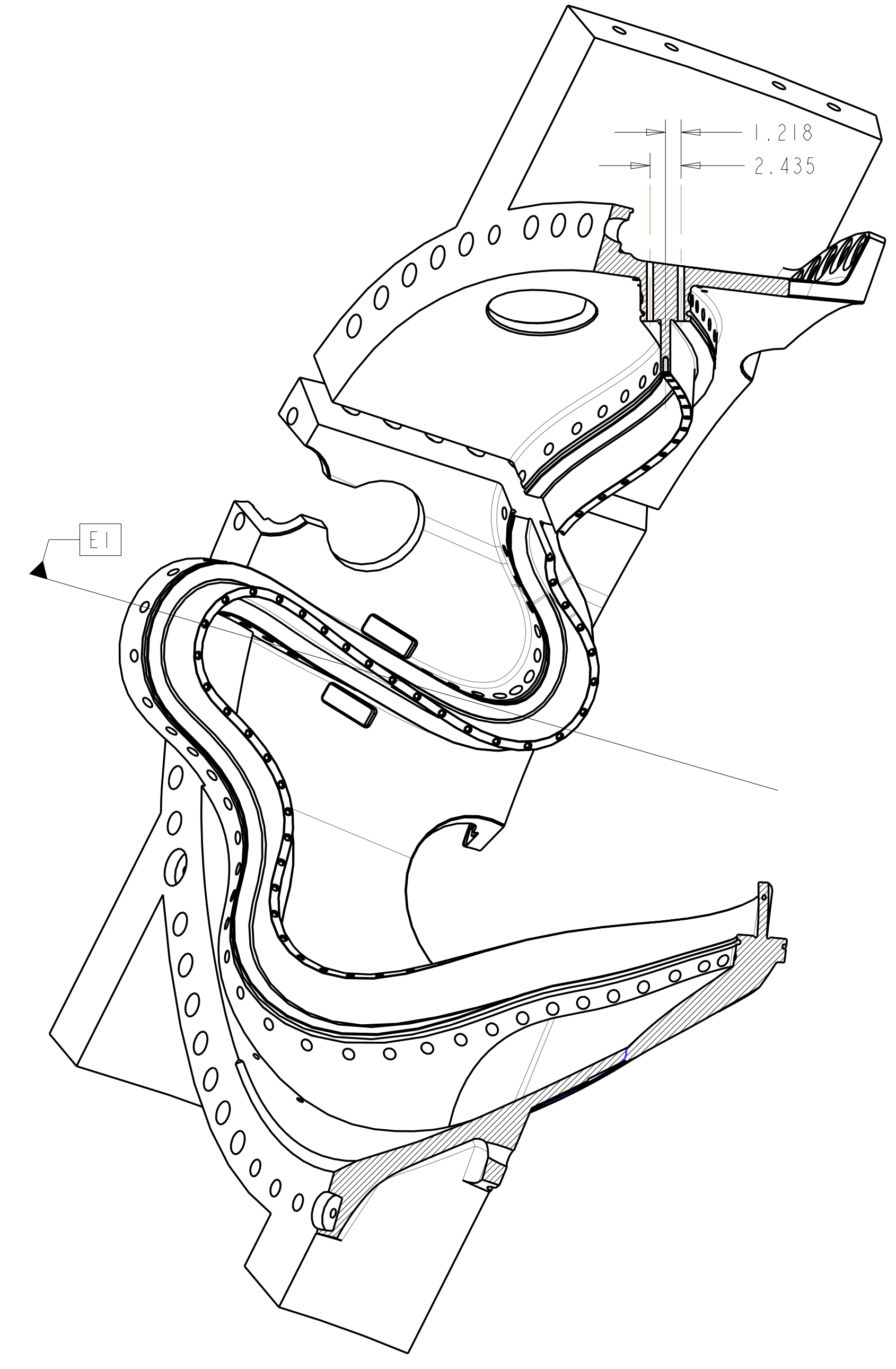
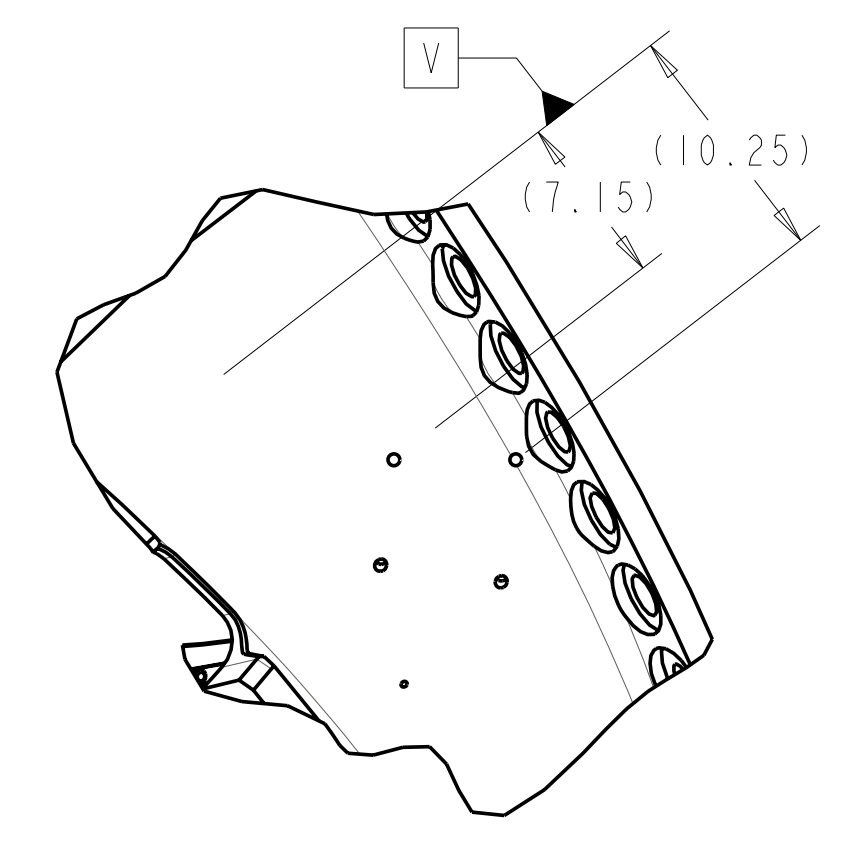
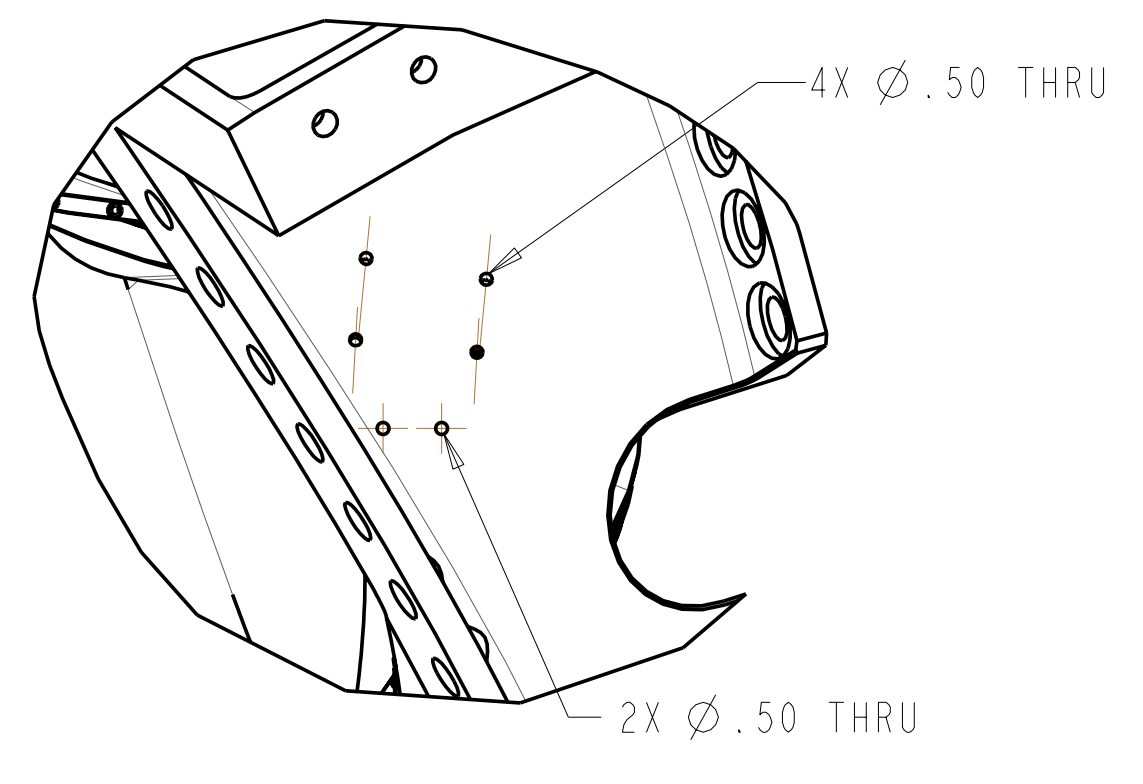
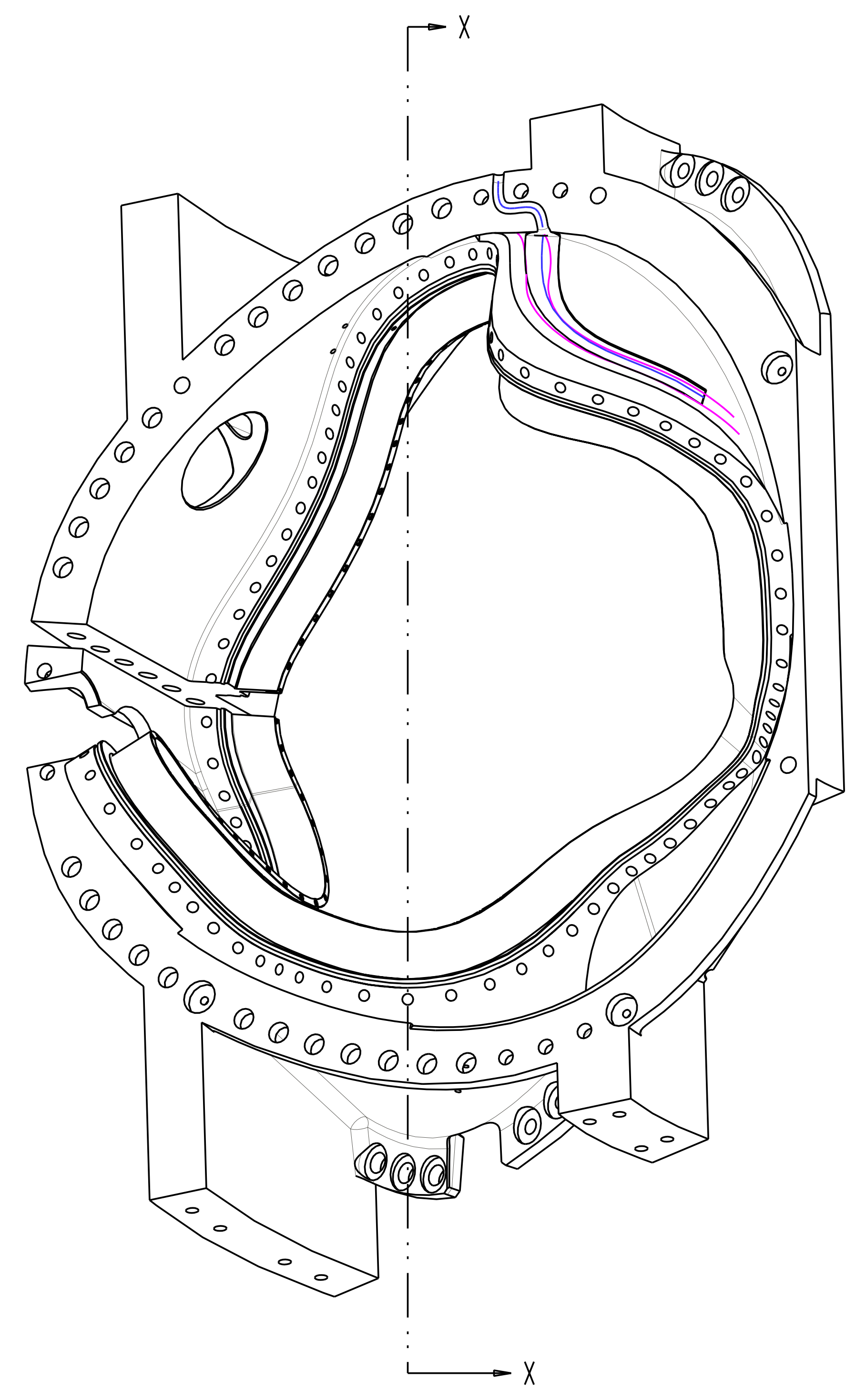
SCALE 0.250

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						
UT-BATTELLE NATIONAL COMPACT STELLARATOR EXPERIMENT						
PRODUCTION WINDING FORM TYPE-C						
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS
28+	X-10	5700	3	3	11	S U
RELEASE LEVEL	SEI41-116					REV
WIP						0

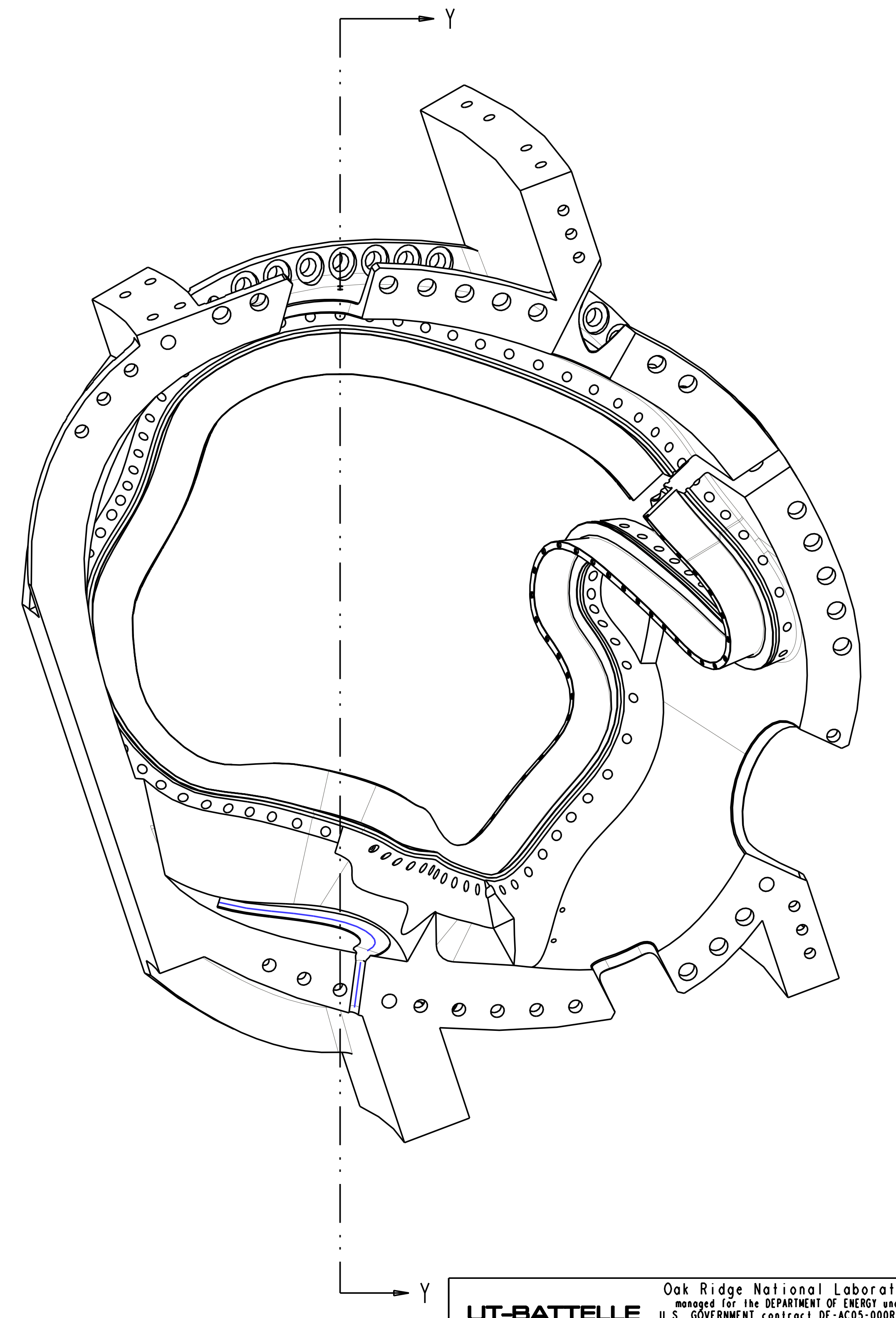
SEI41-116



SECTION X-X
SCALE 0.125

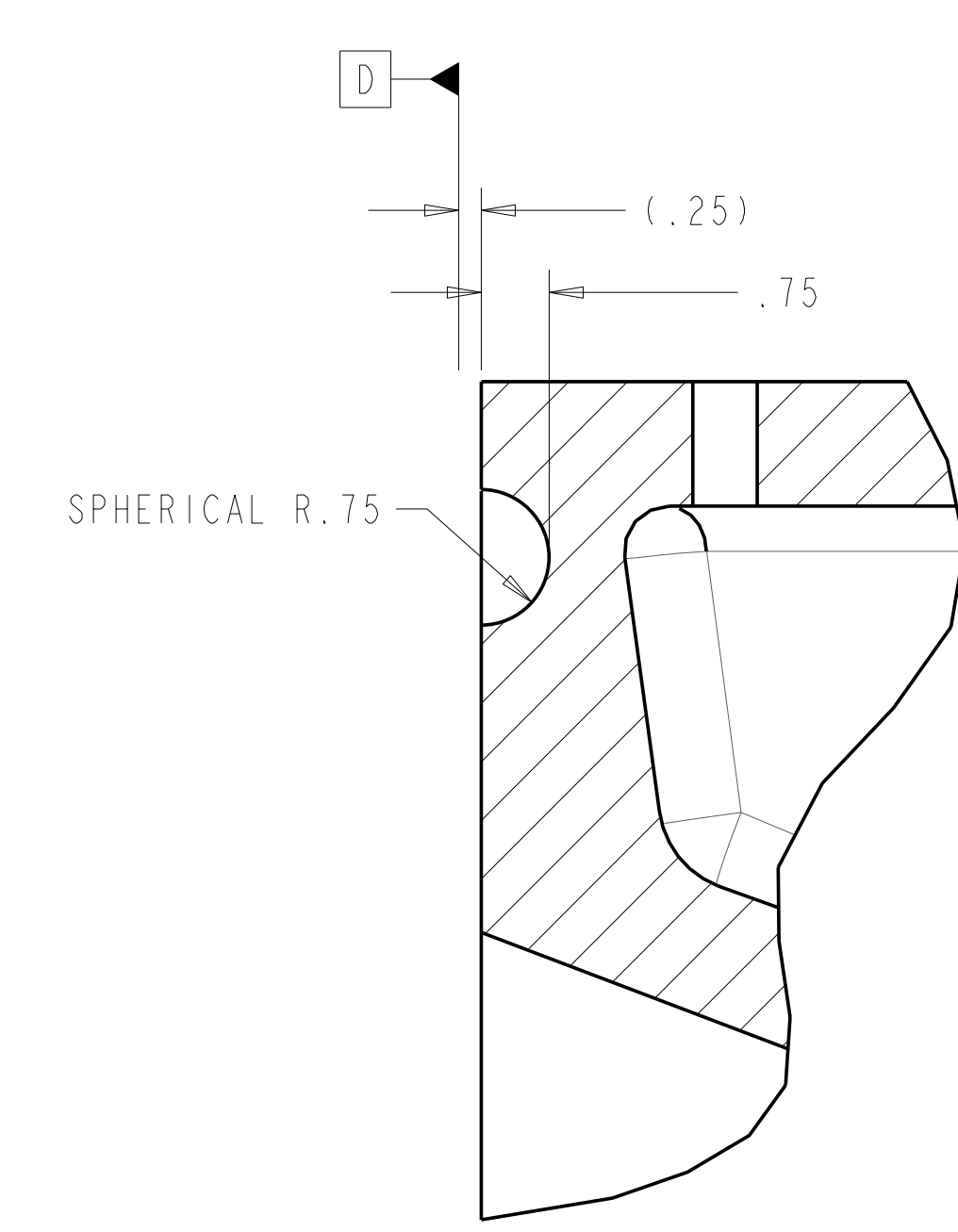
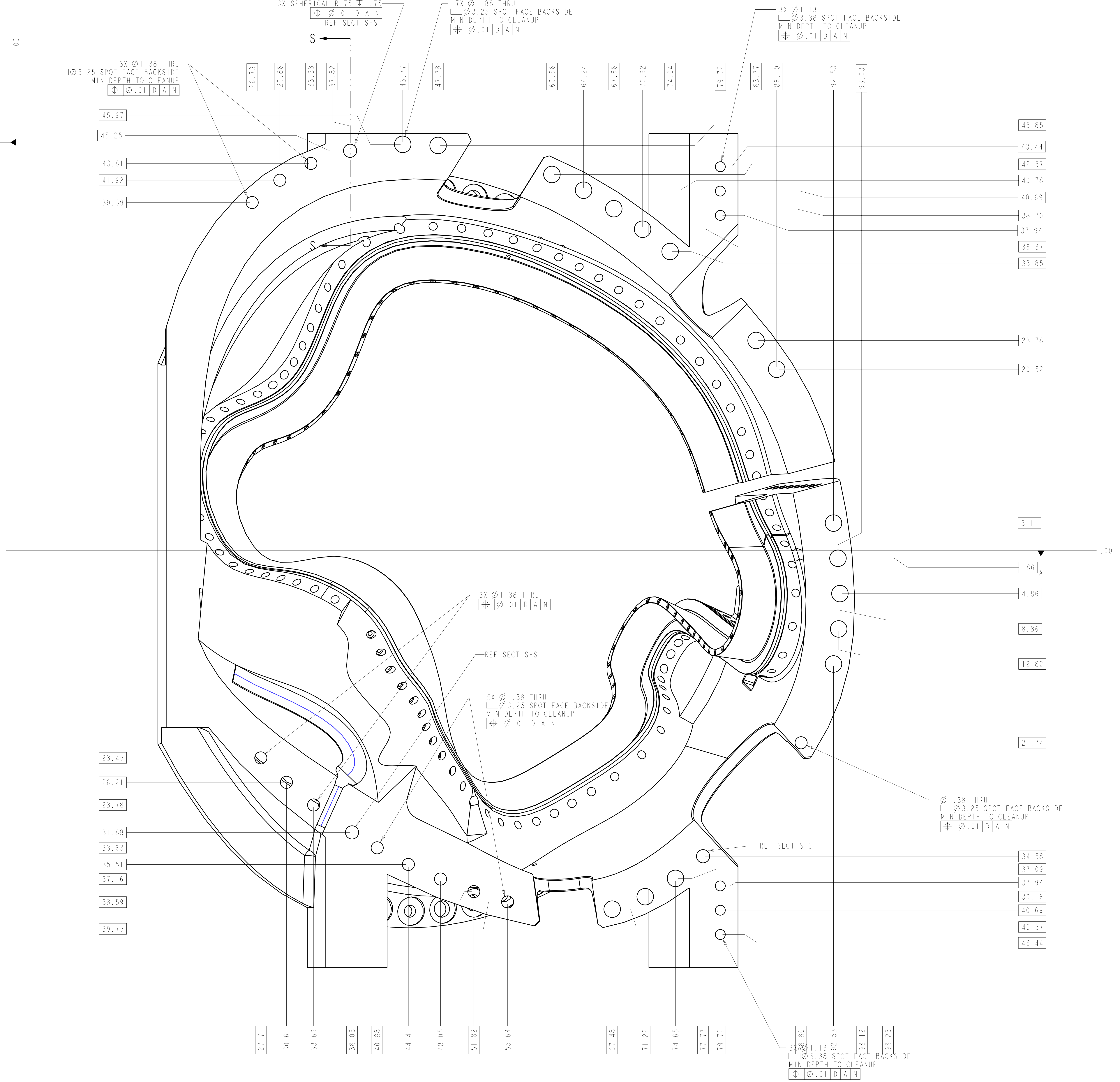


SECTION Y-Y
SCALE 0.125



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UT-BATTELLE							
NATIONAL COMPACT STELLARATOR EXPERIMENT							
PRODUCTION WINDING FORM TYPE-C							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
28+	X-10	5700	3	4	11	S	U
RELEASE LEVEL	SEI41-116						REV
WIP							0

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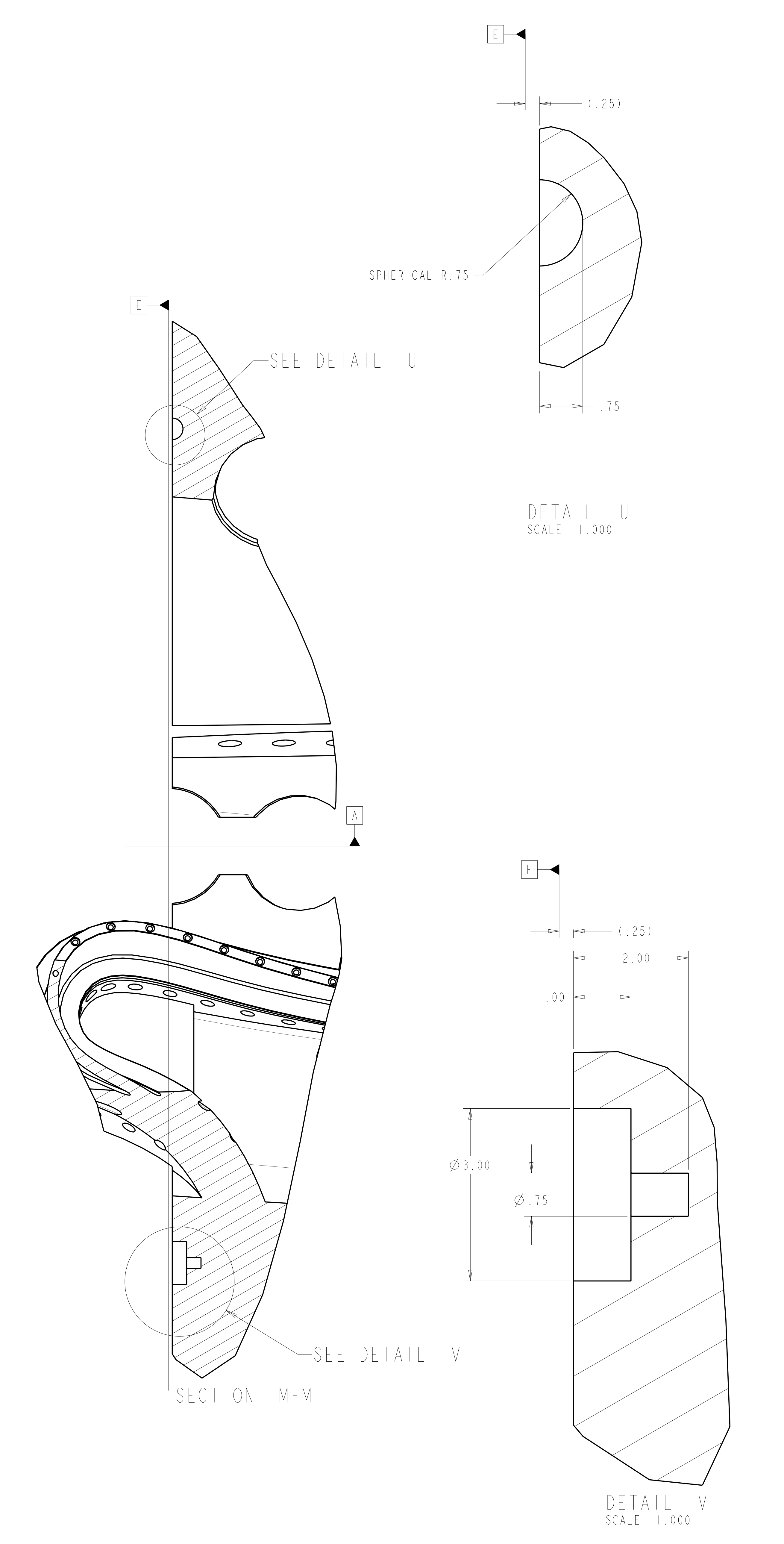
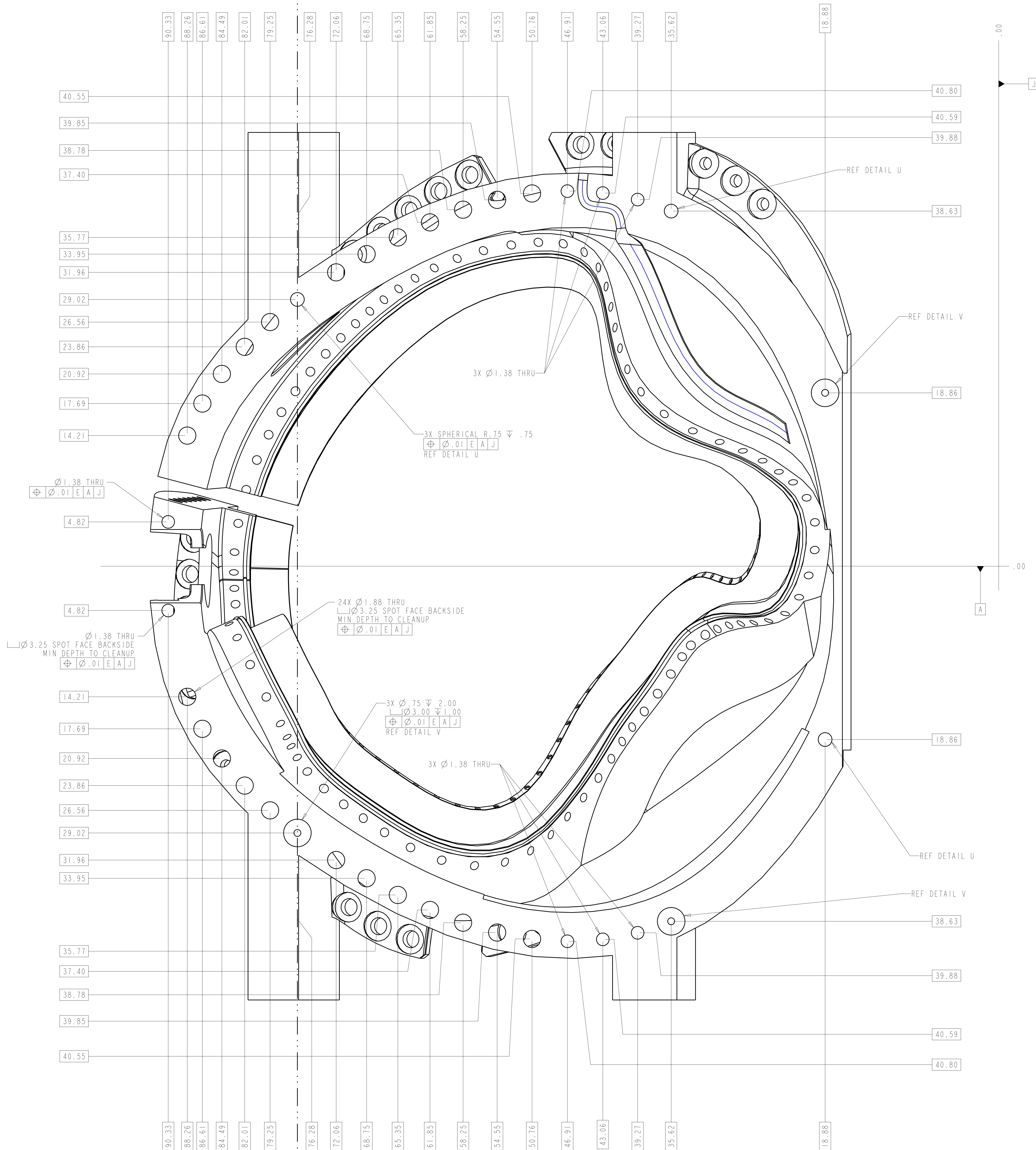
VIEW AT DATUM D
 SCALE 0.250

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UT-BATTELLE NATIONAL COMPACT STELLARATOR EXPERIMENT							
PRODUCTION WINDING FORM TYPE-C							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
28+	X-10	5700	3	5	11	S	U
RELEASE LEVEL	SEI41-116						REV
WIP							0

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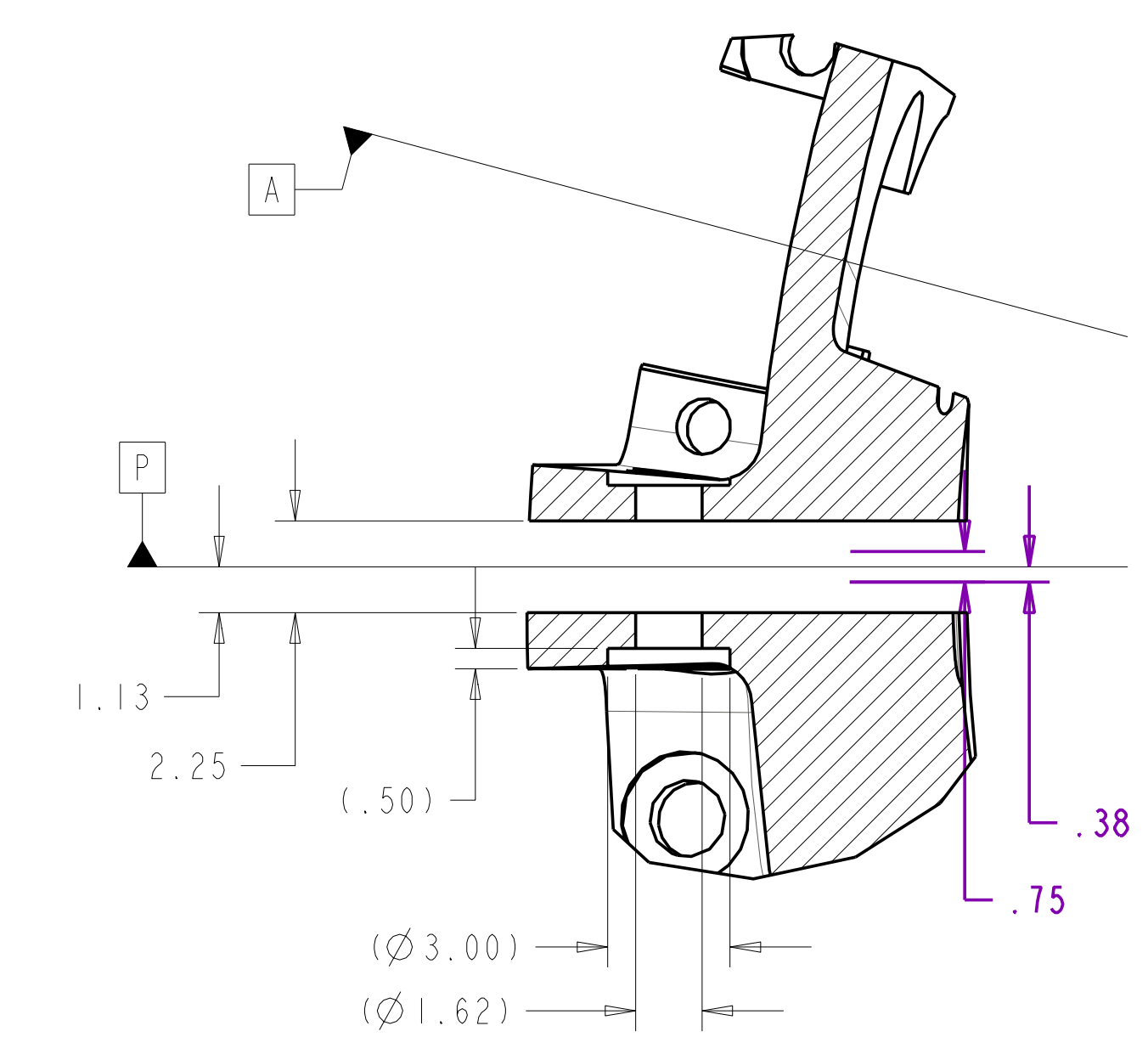
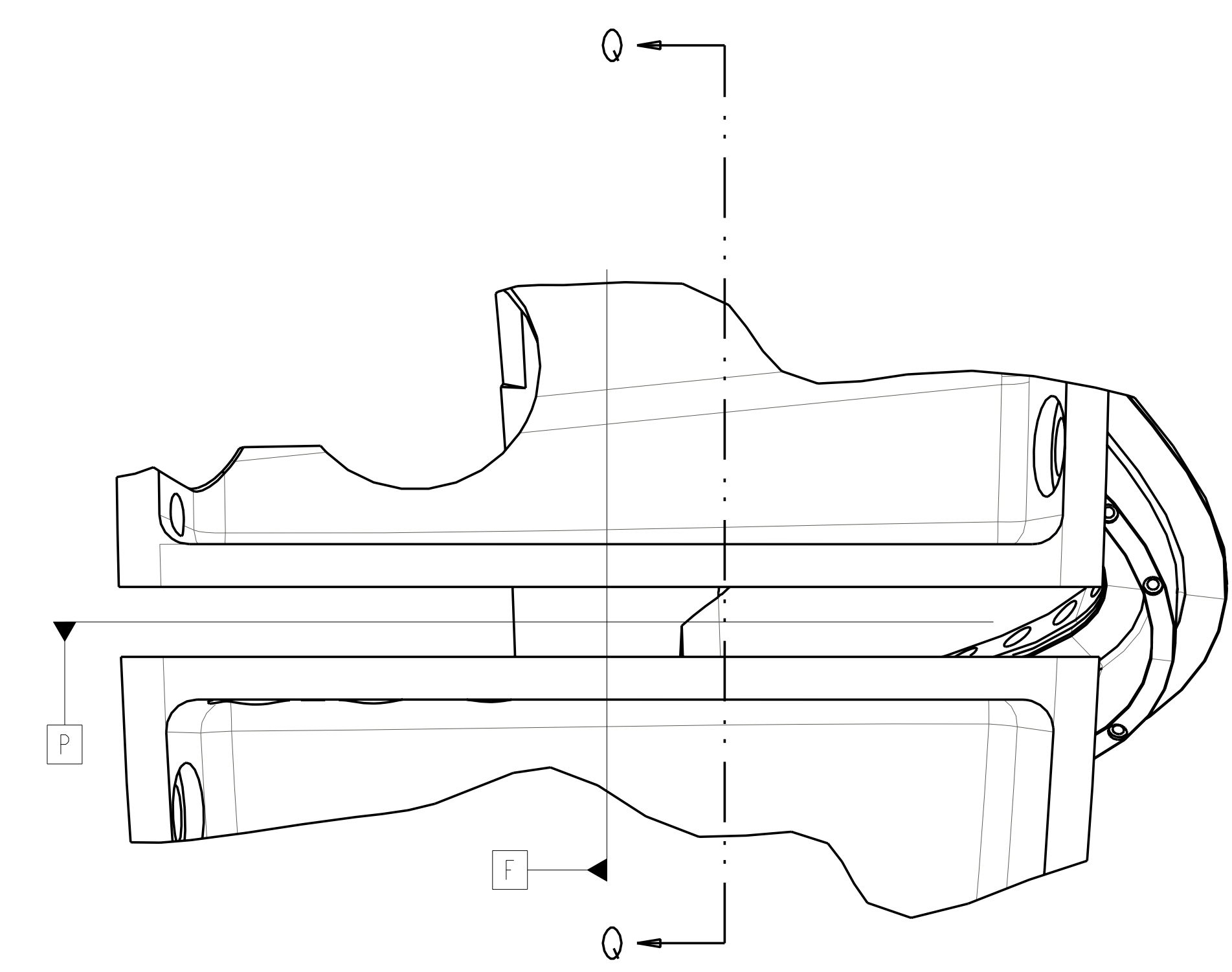
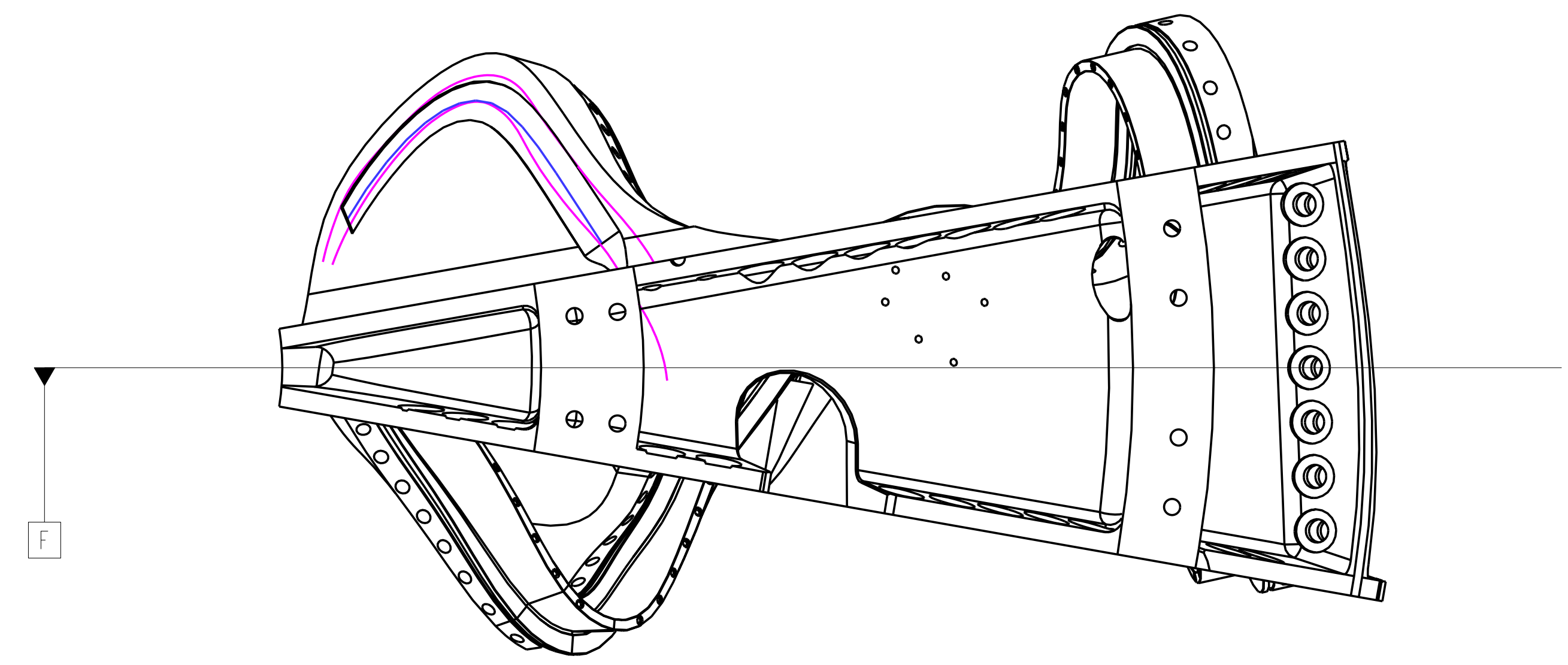
SEI41-116

FOR GENERAL NOTES AND PARTS, SEE SHEET I.

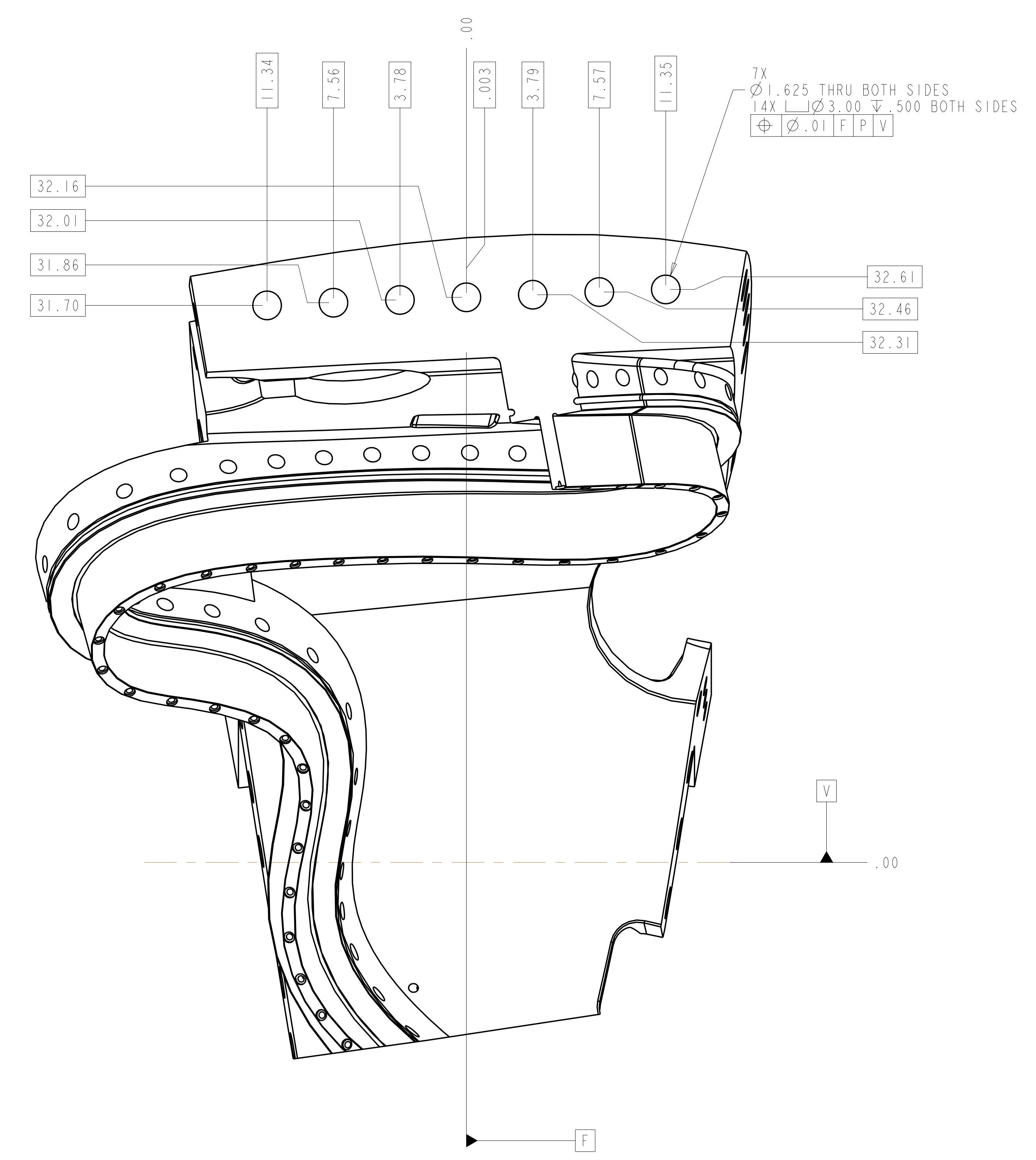
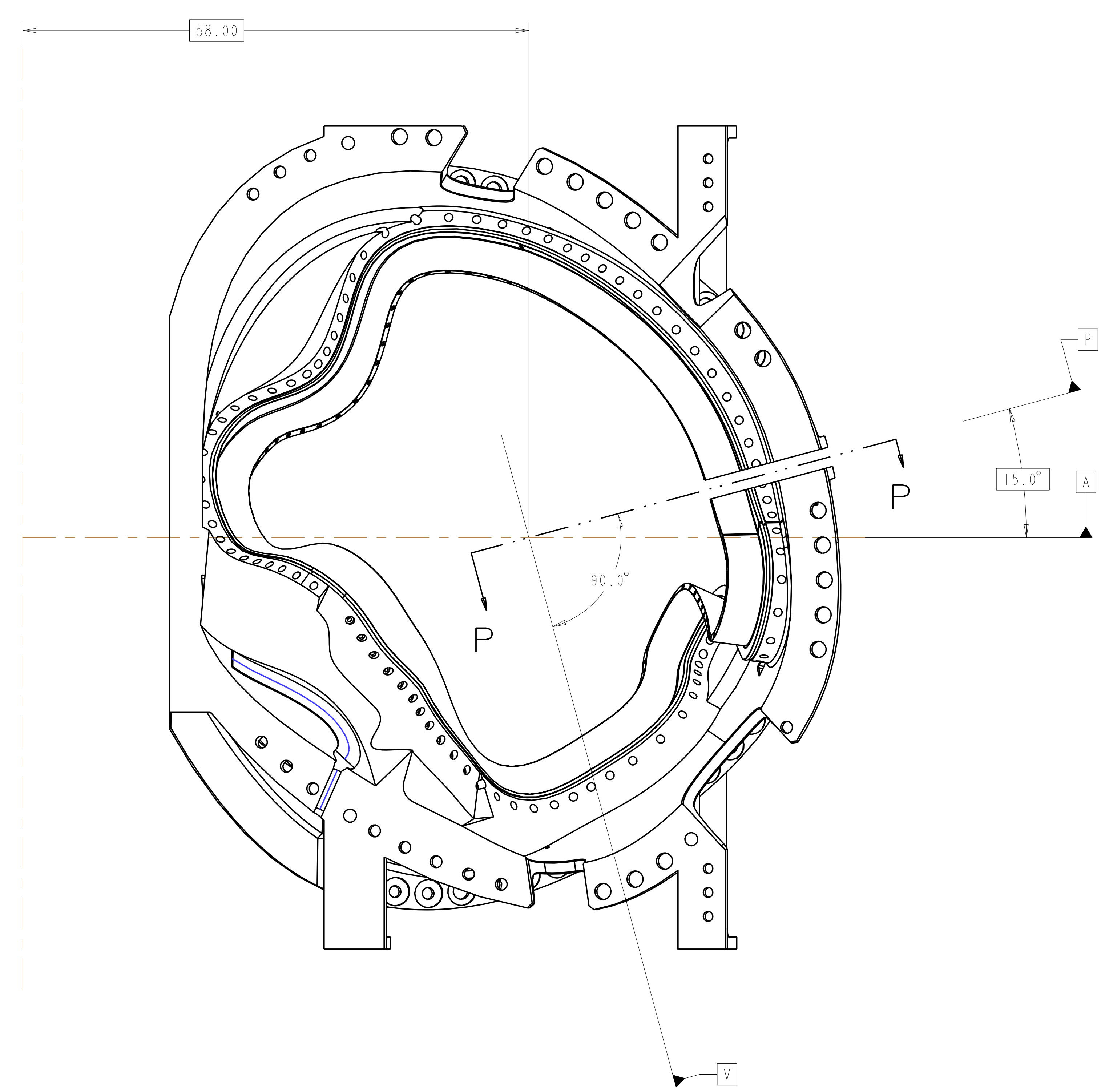


Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725 UT-BATTELLE, LLC. Oak Ridge, Tennessee PROJECT NAME NATIONAL COMPACT STELLARATOR EXPERIMENT							
PRODUCTION WINDING FORM TYPE-C							
VERSION NO. 28+	PLANT X-10	BLDG 5700	FL 3	SHT OF 6	TYPE III	CLASS S	REV U
RELEASE LEVEL WIP	SEI41-116						REV 0

FOR GENERAL NOTES AND PARTS. SEE SHEET 1.



SECTION Q-Q

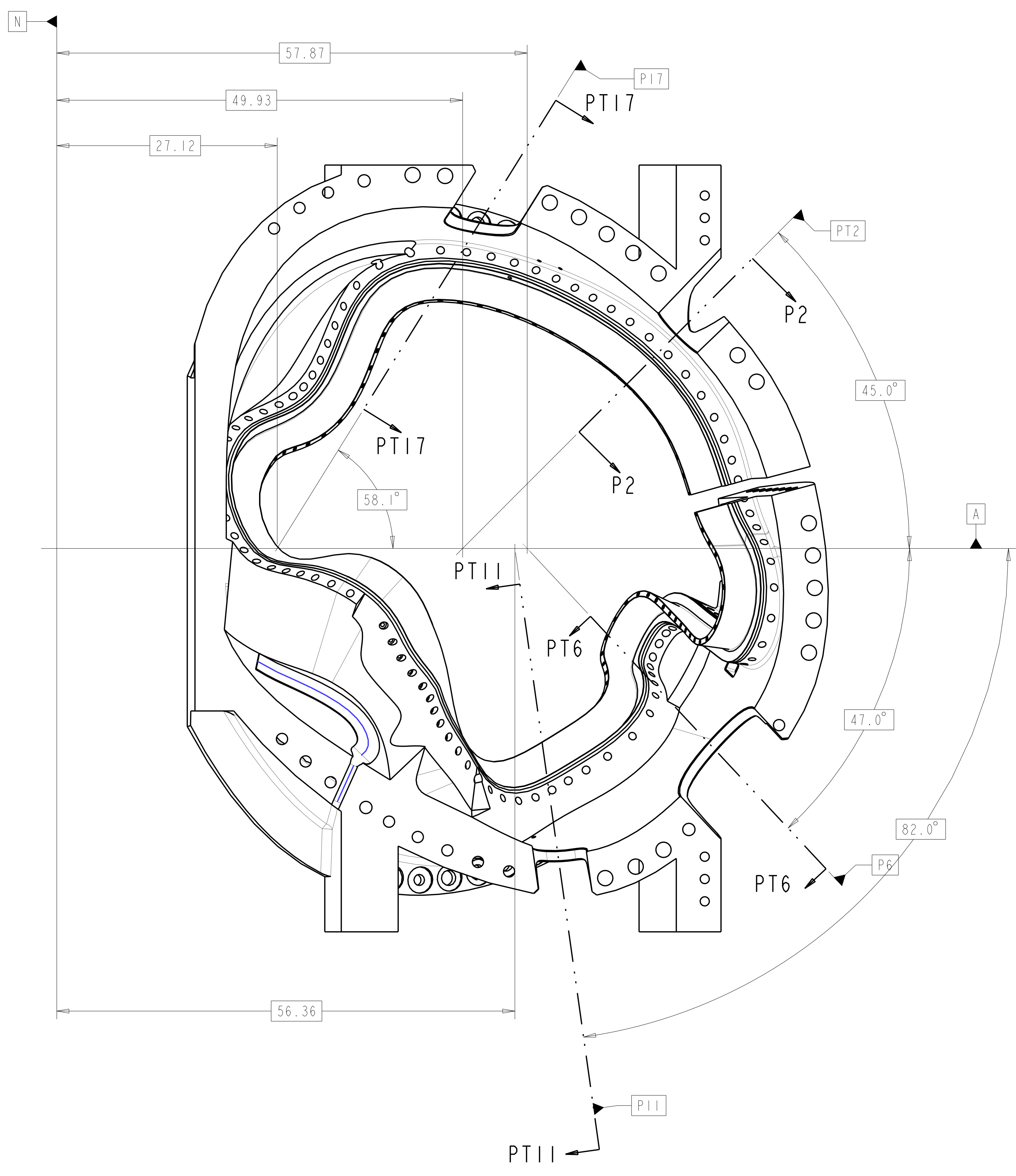


SECTION P-P
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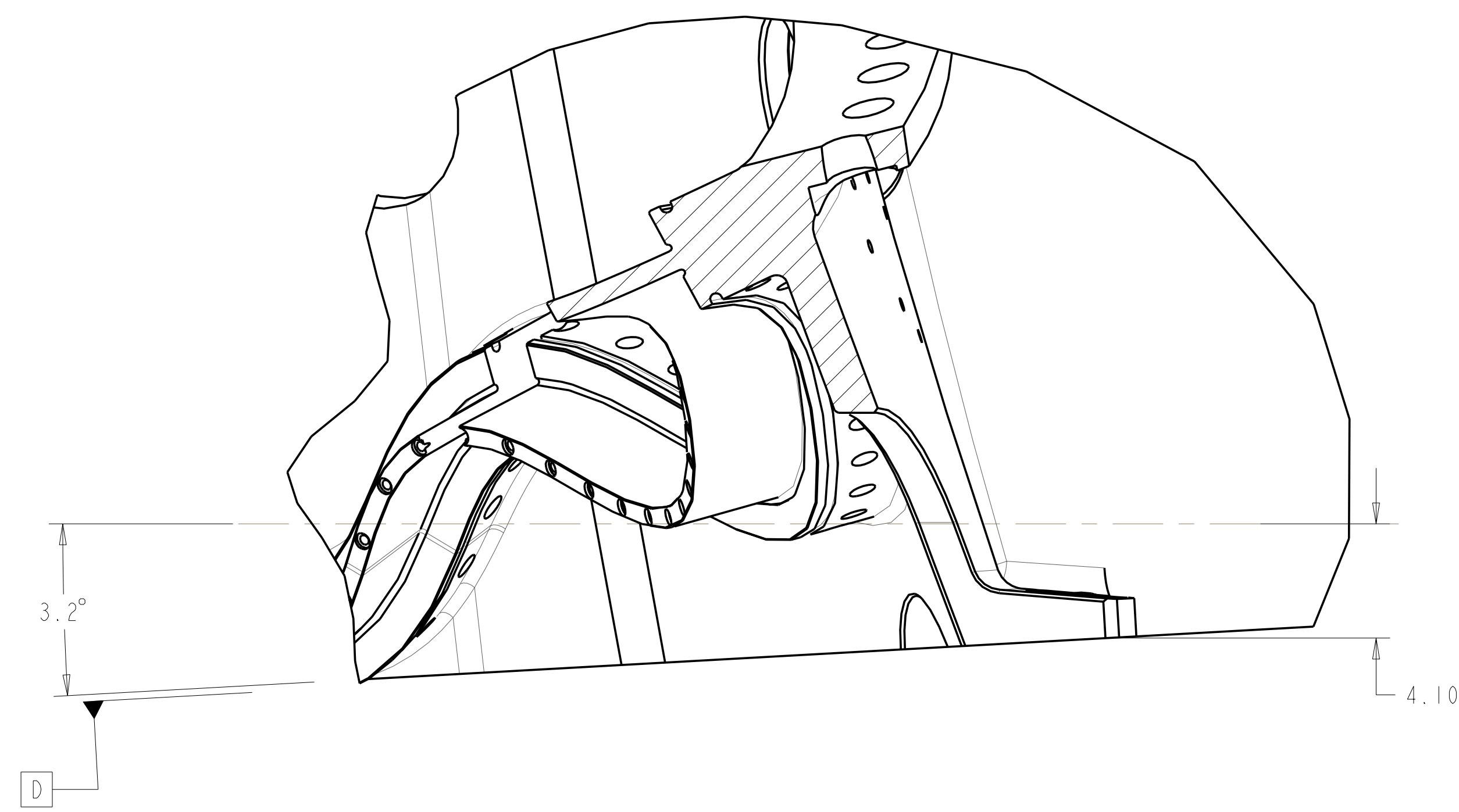
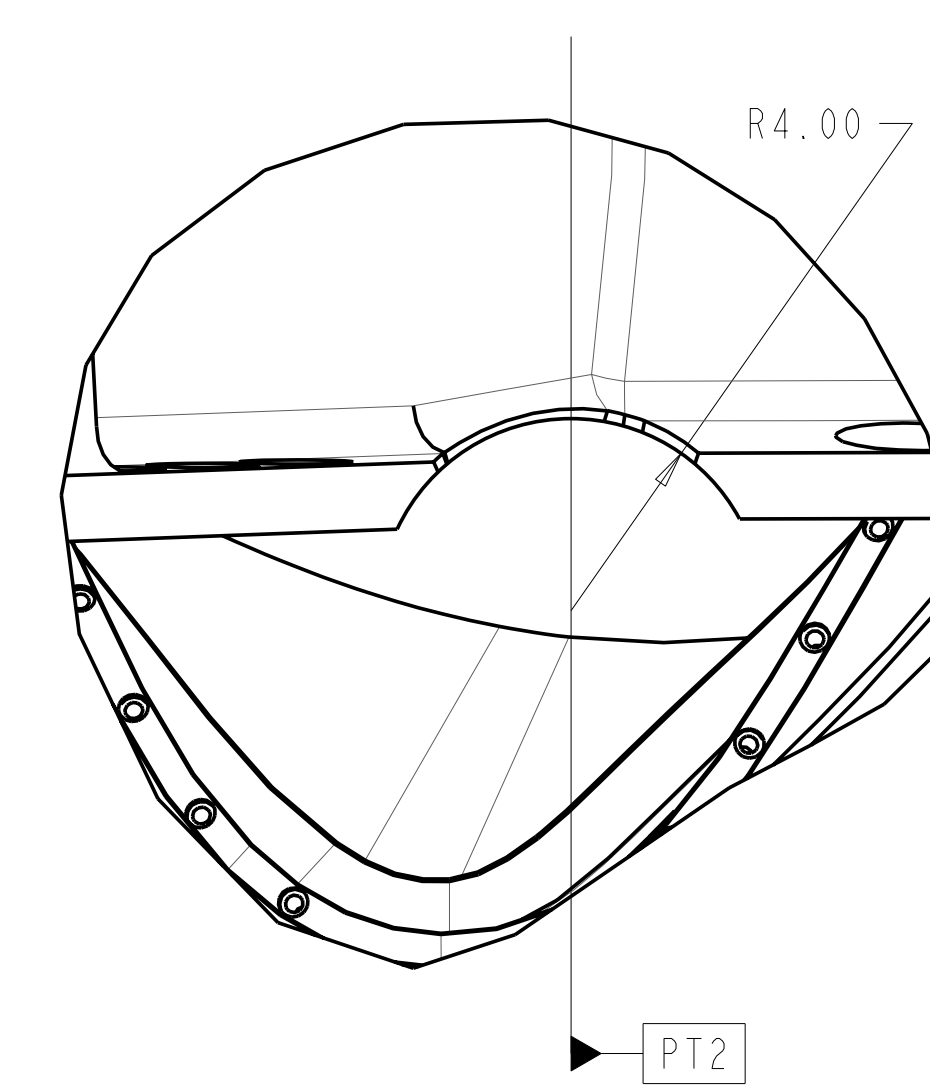
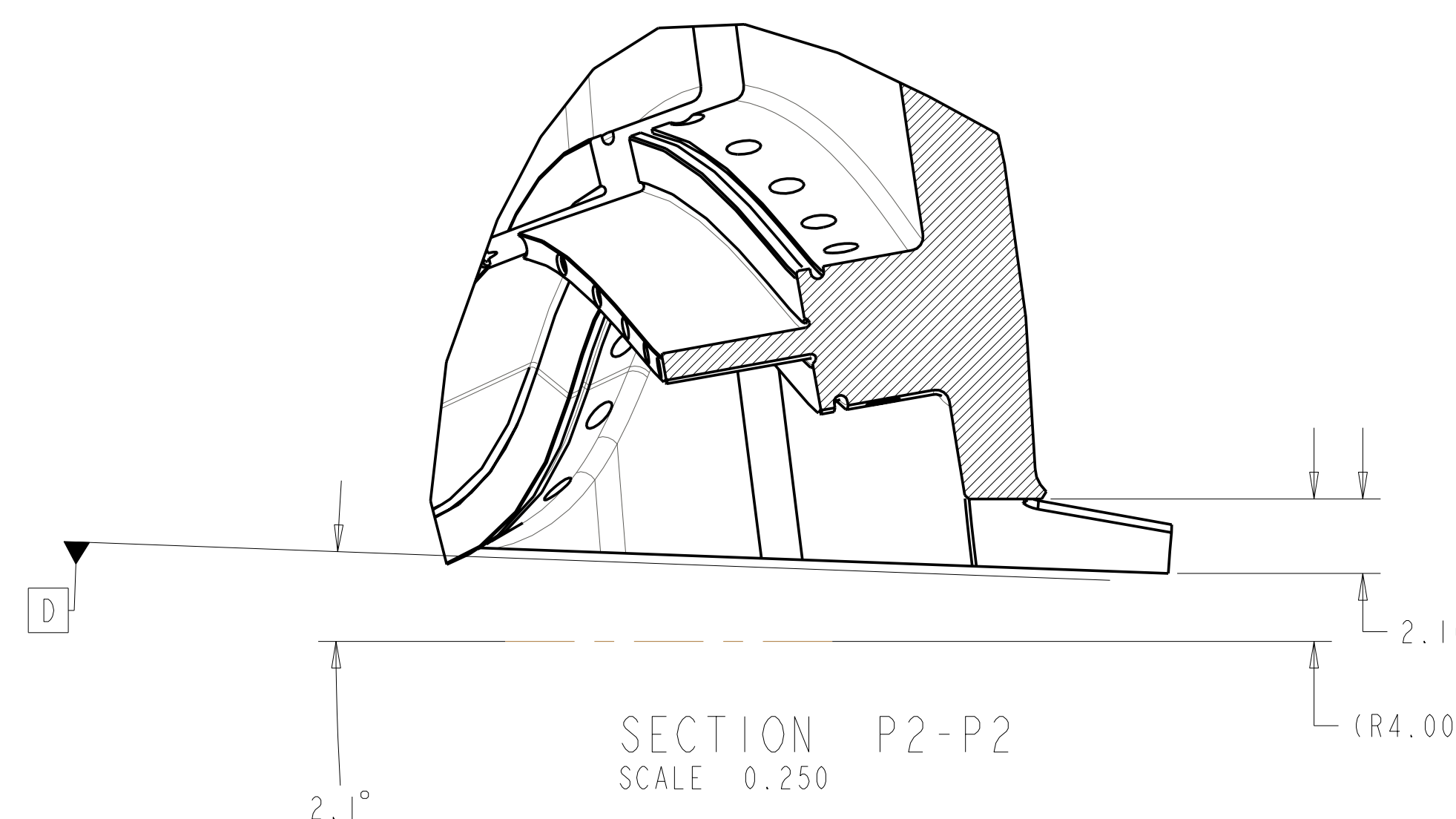
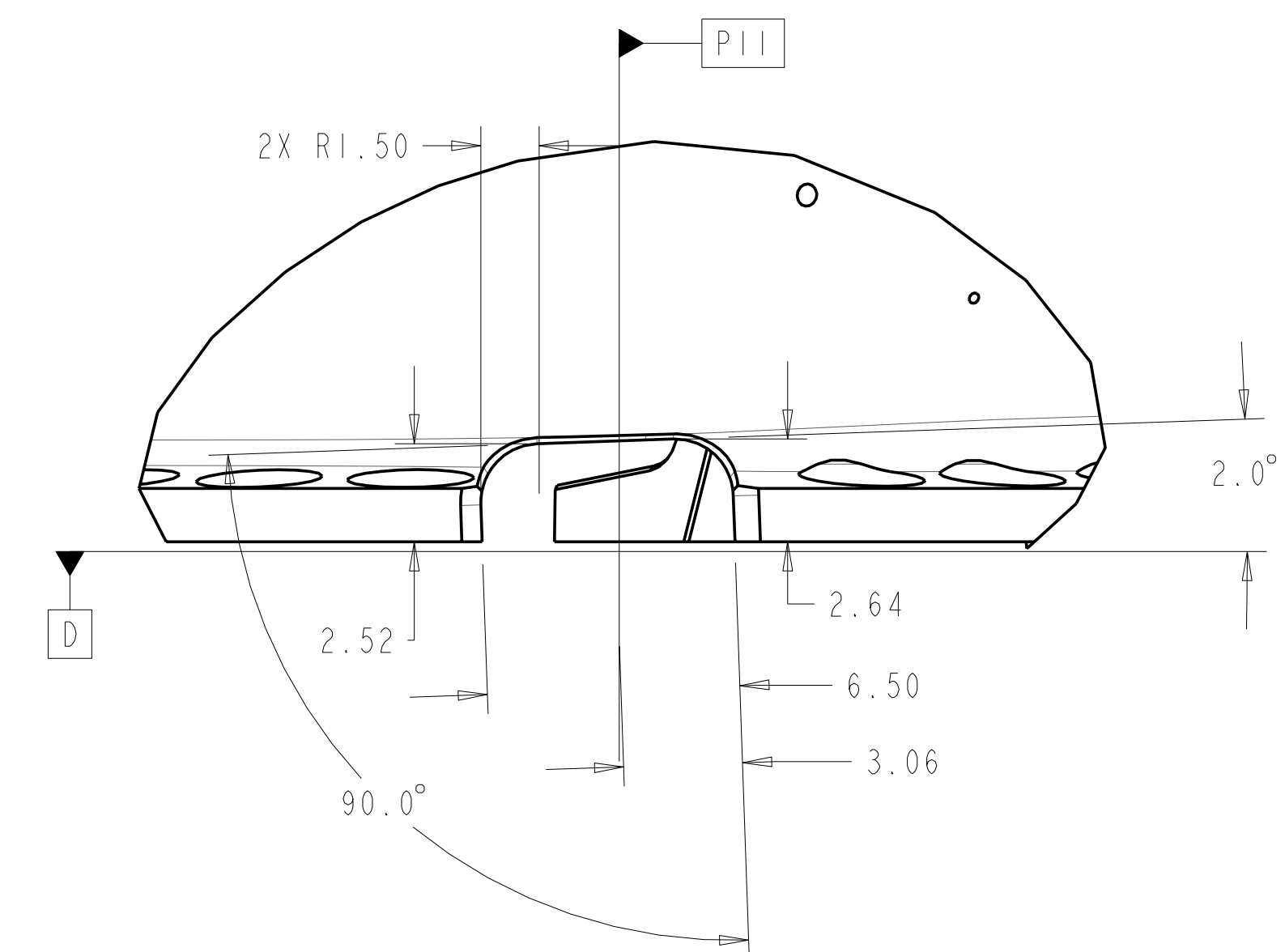
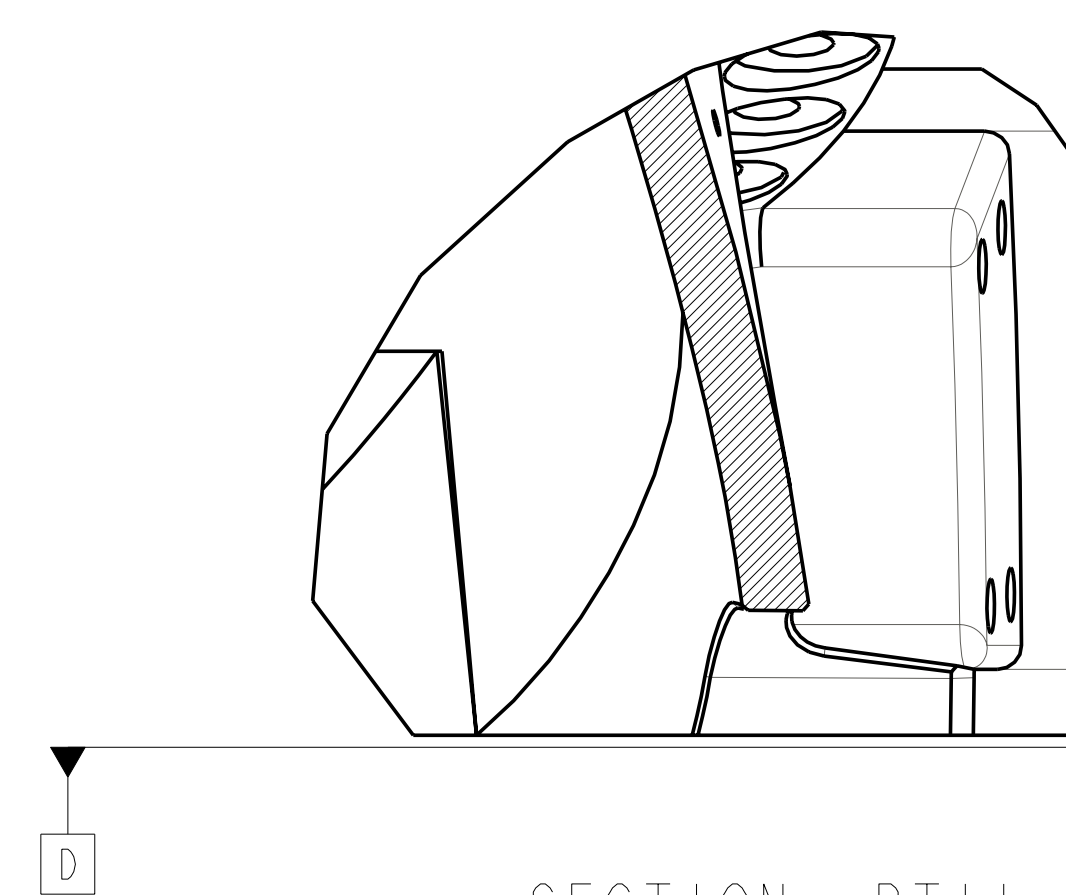
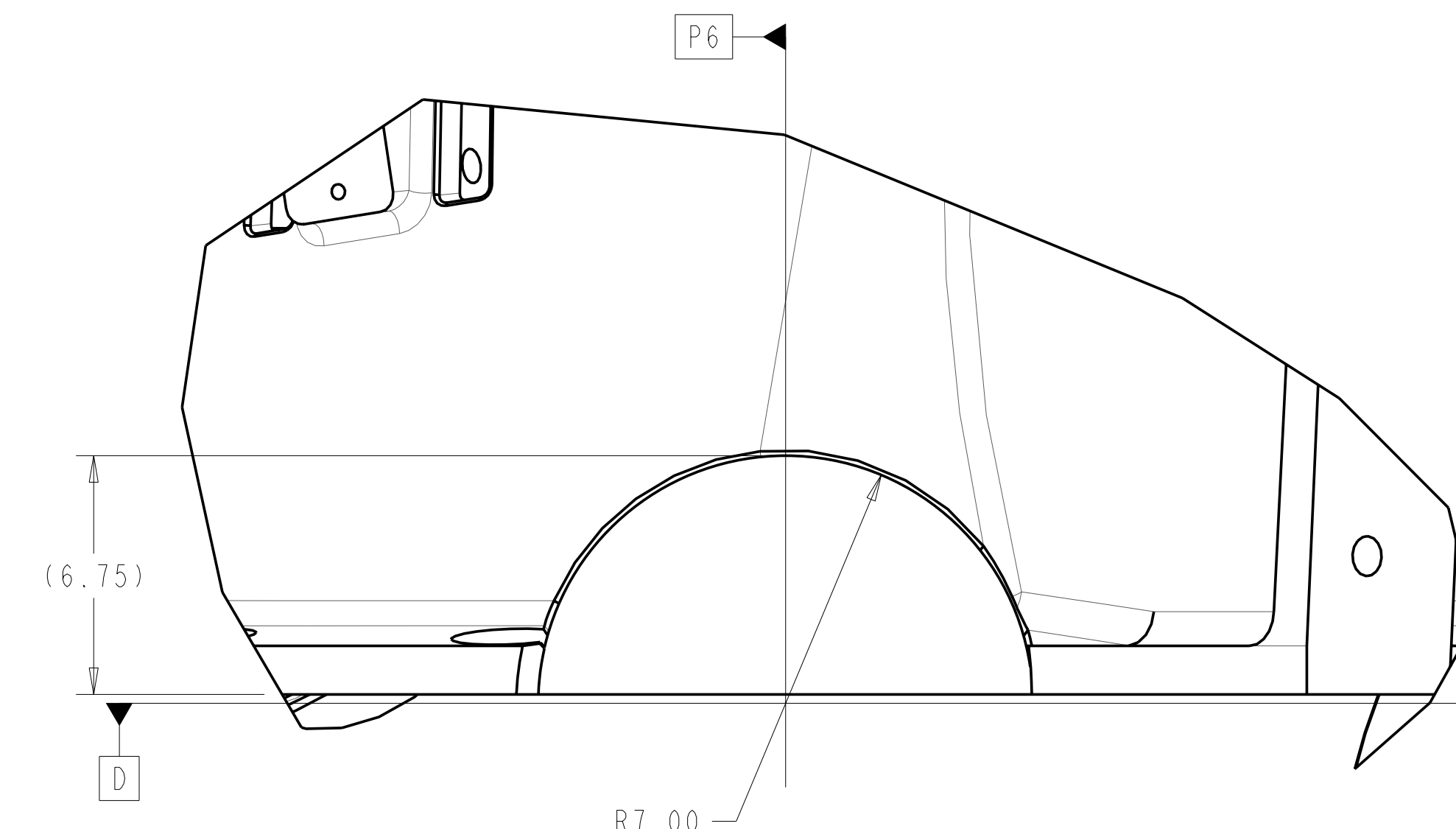
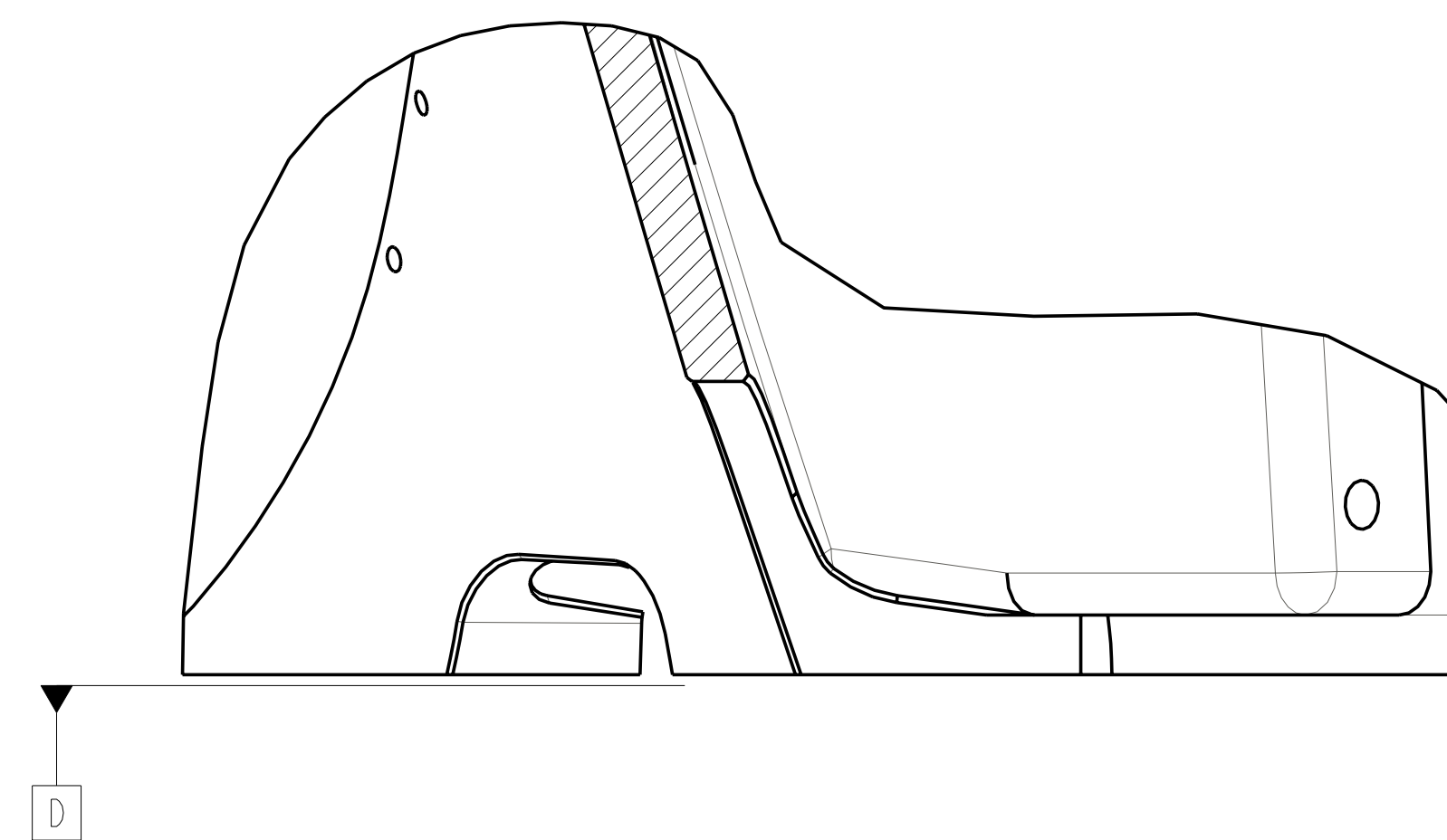
Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725 UT-BATTELLE, LLC, Oak Ridge, Tennessee						
UT-BATTELLE						
NATIONAL COMPACT STELLARATOR EXPERIMENT						
PRODUCTION WINDING FORM TYPE-C						
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS
28+	X-10	5700	3	7	11	S
RELEASE LEVEL	SEI41-116					REV
WIP						0

SEI41-116

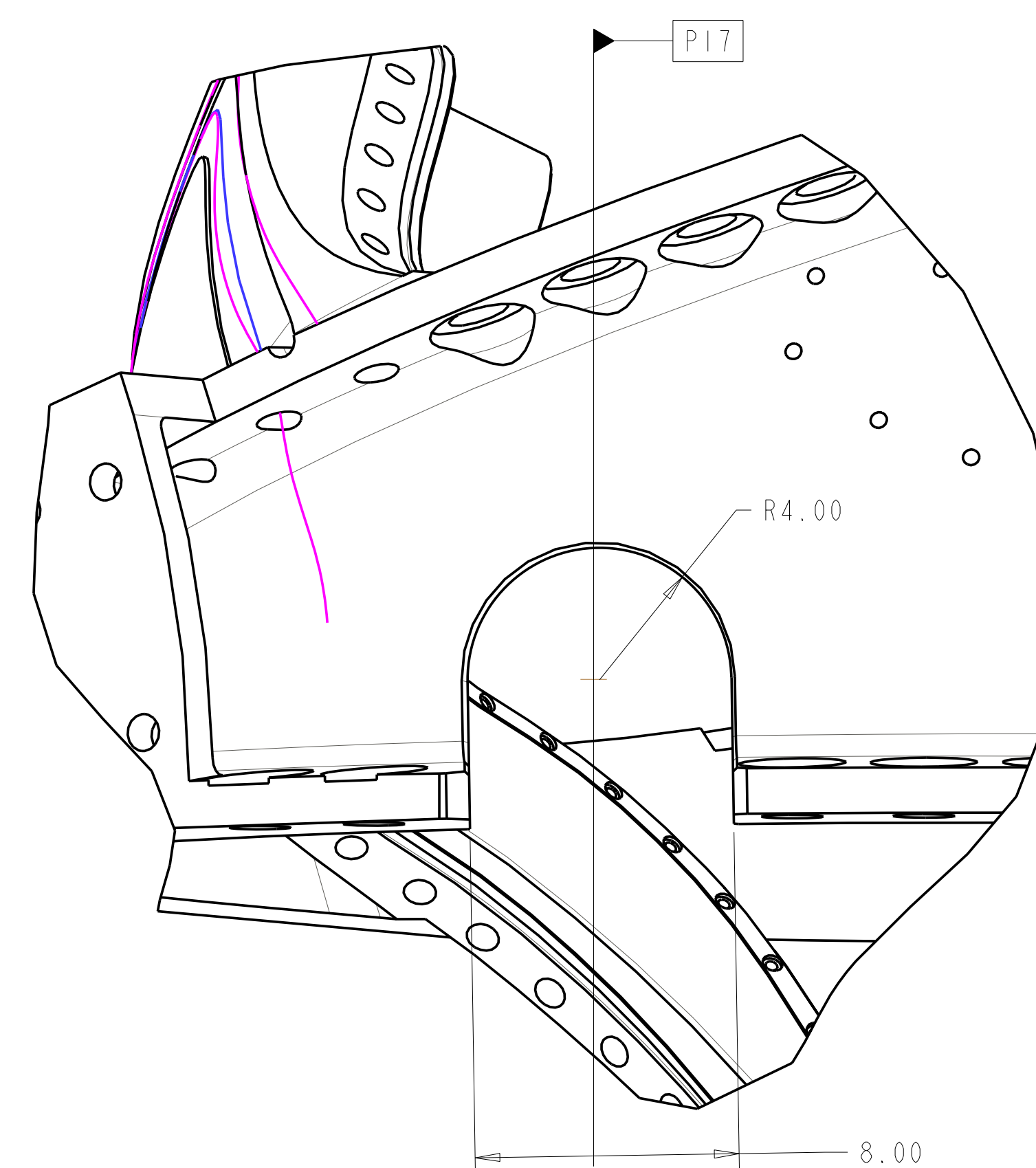
FOR GENERAL NOTES AND PARTS, SEE SHEET 1.



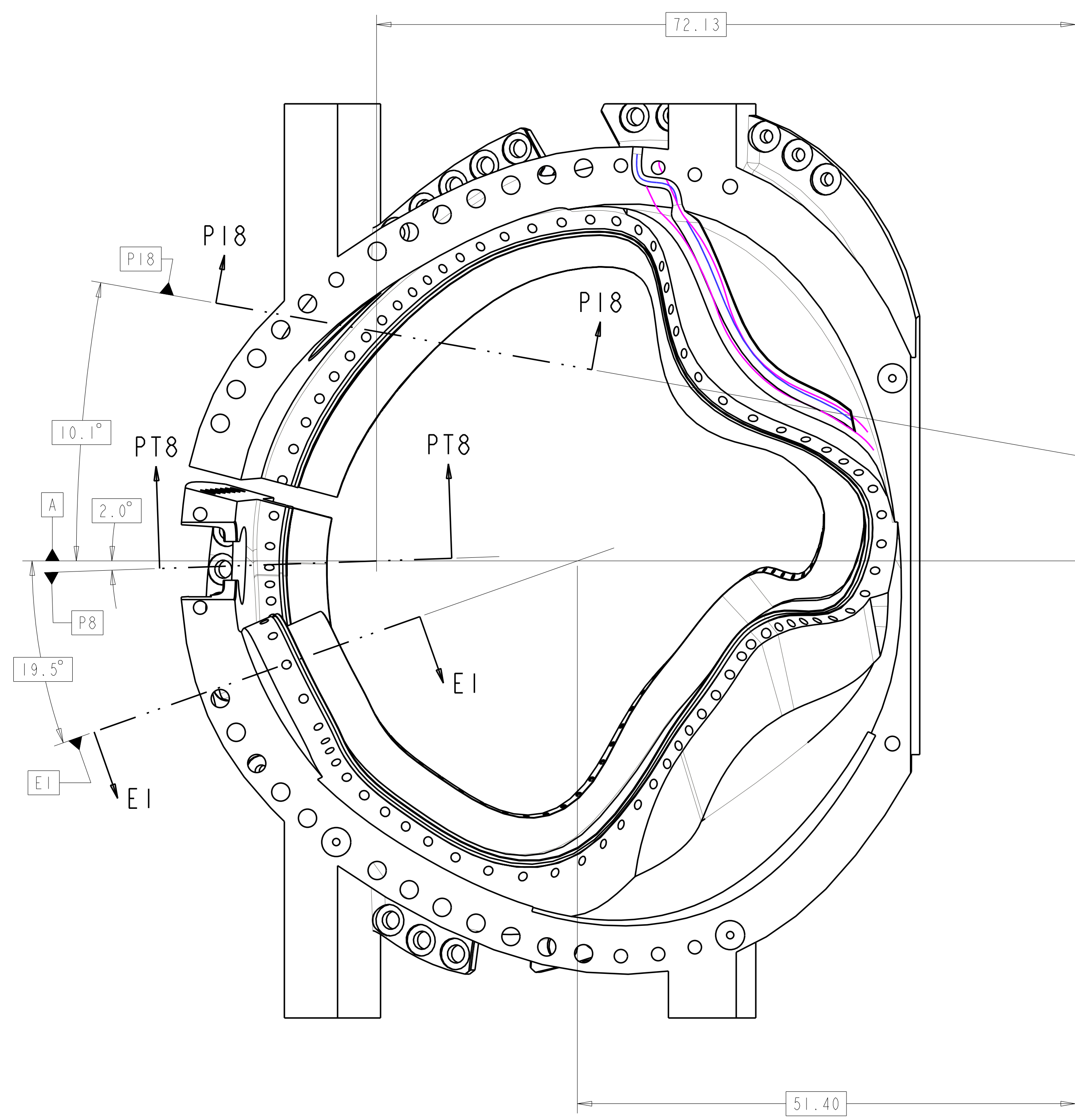
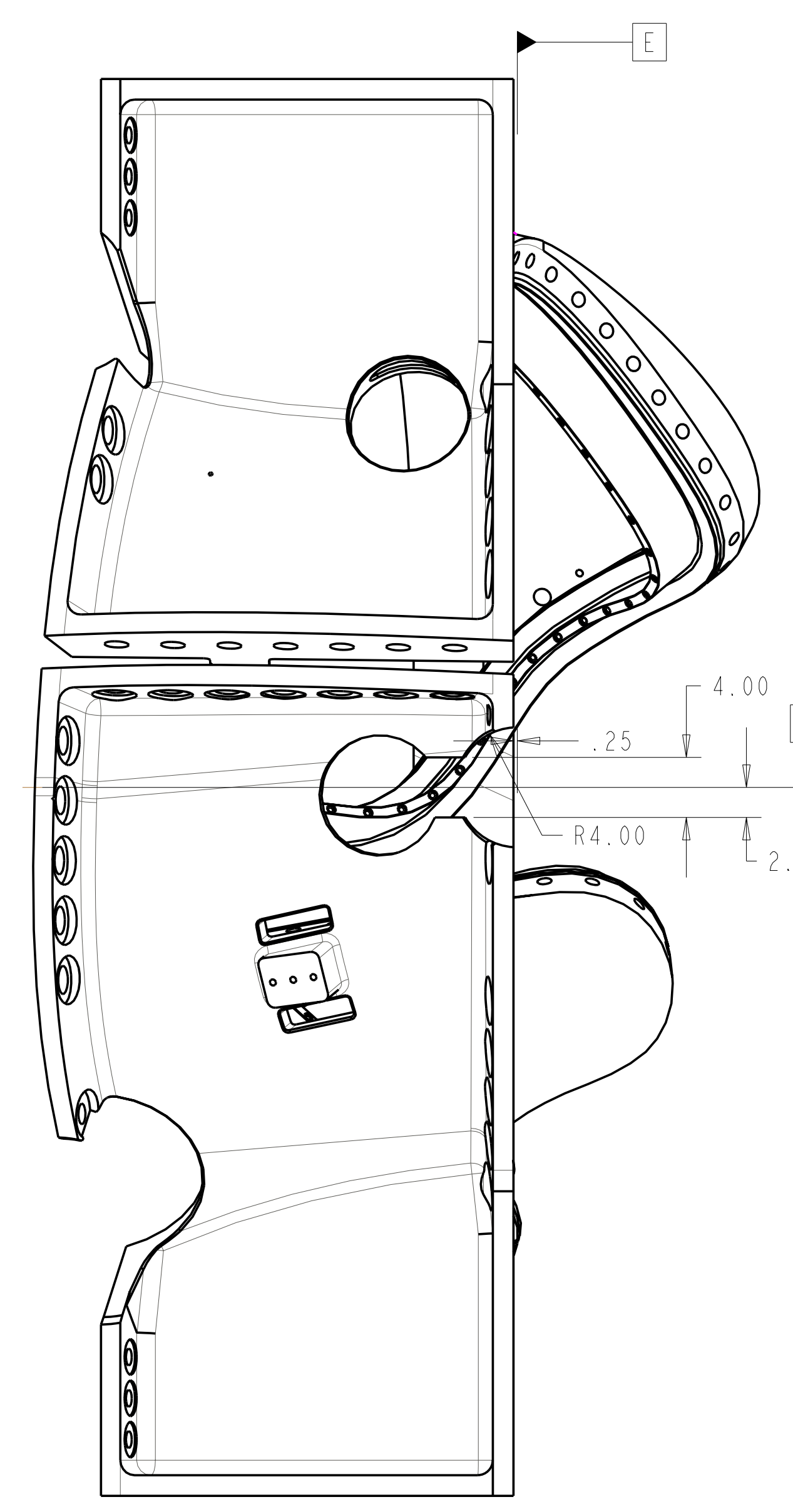
VIEW AT DATUM D
SCALE 0.125



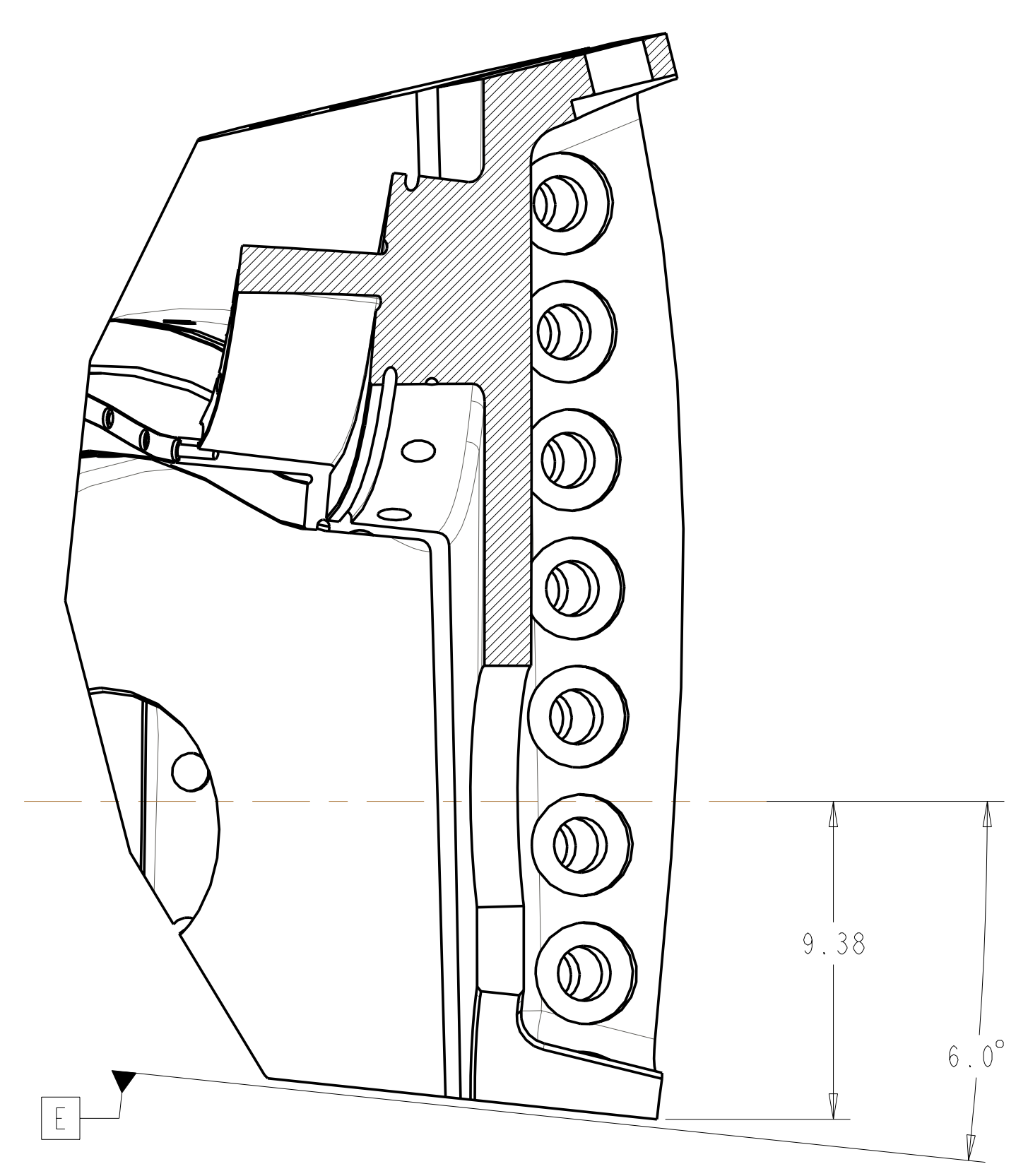
SECTION PT17-PT17
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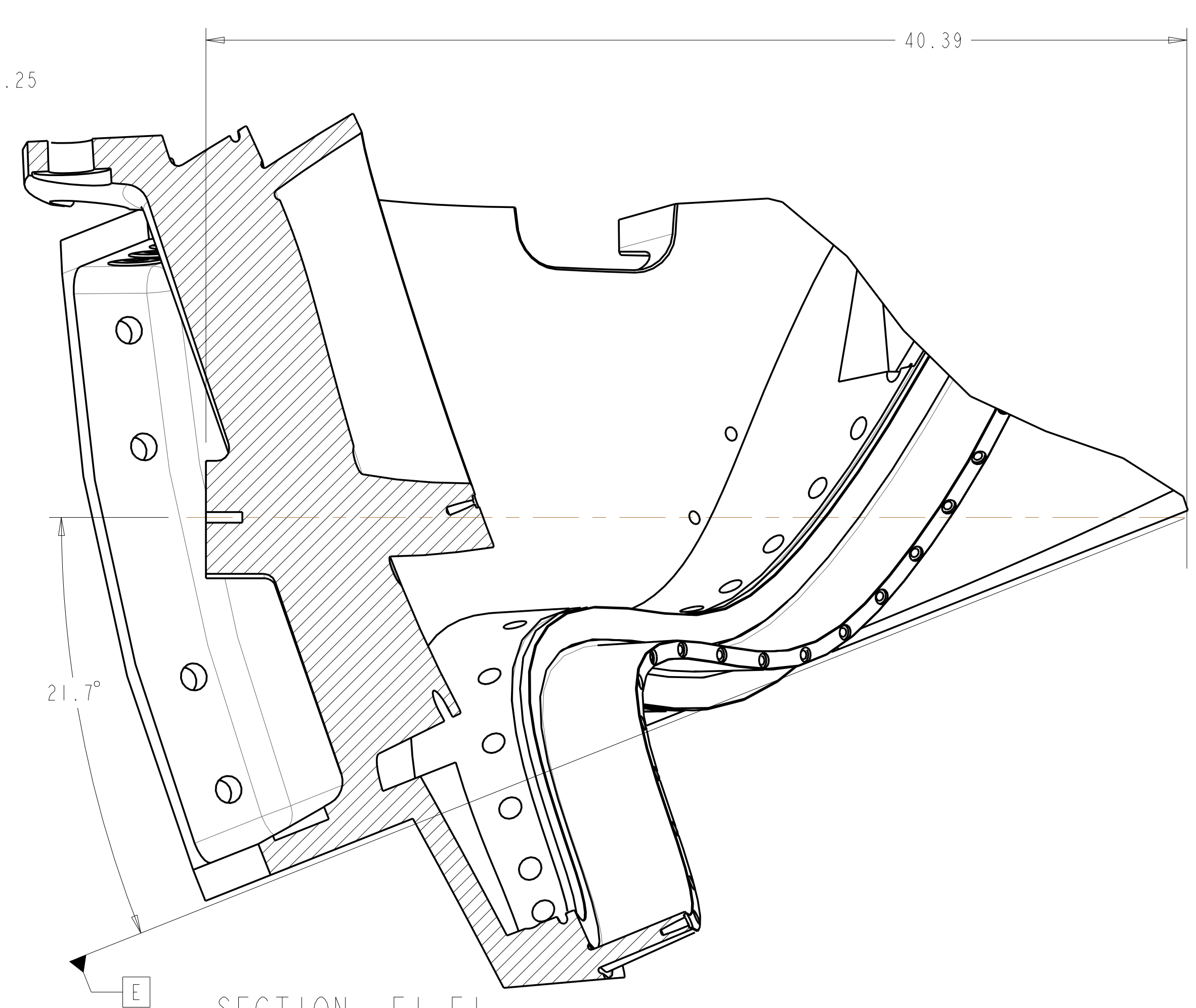
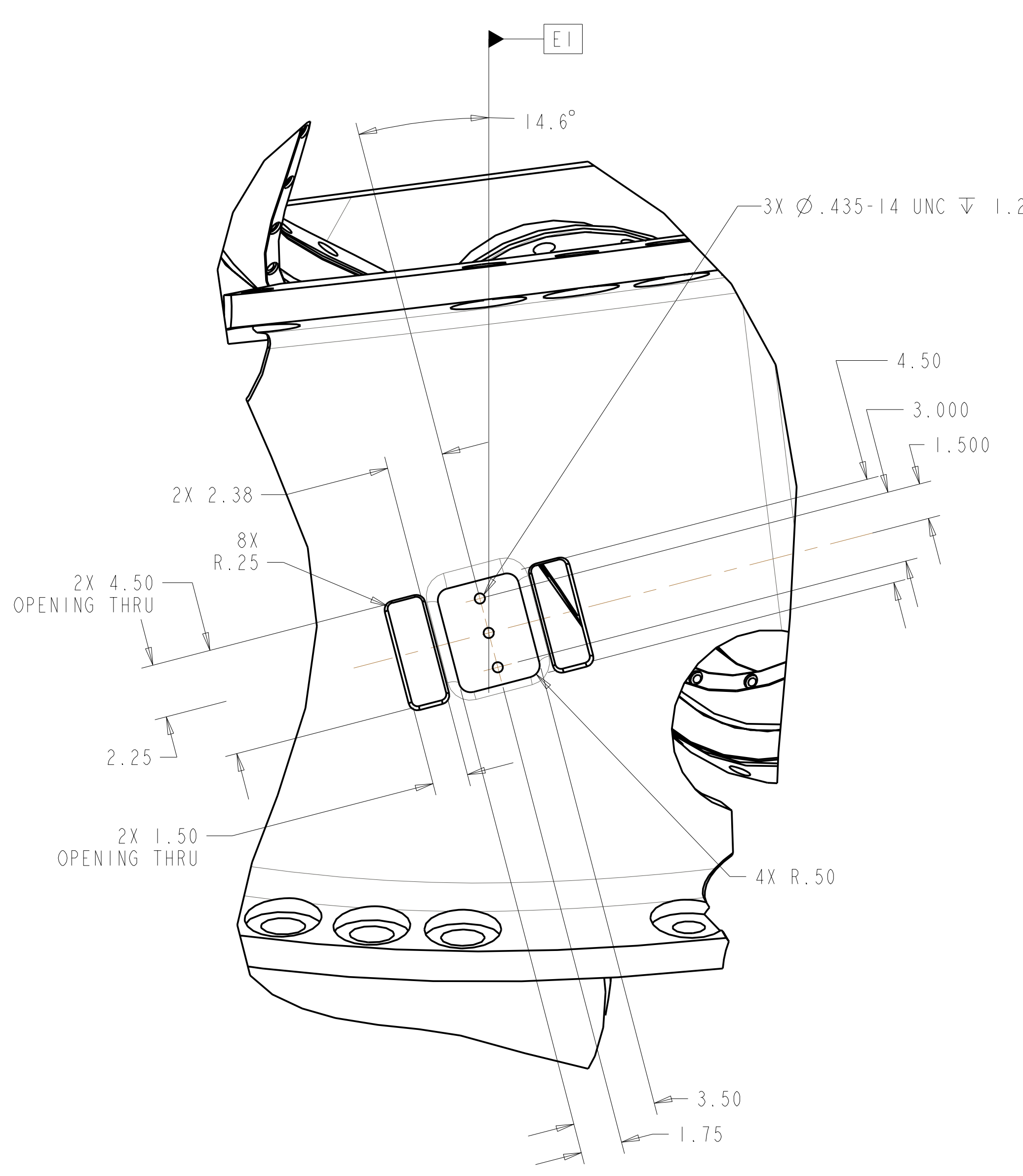
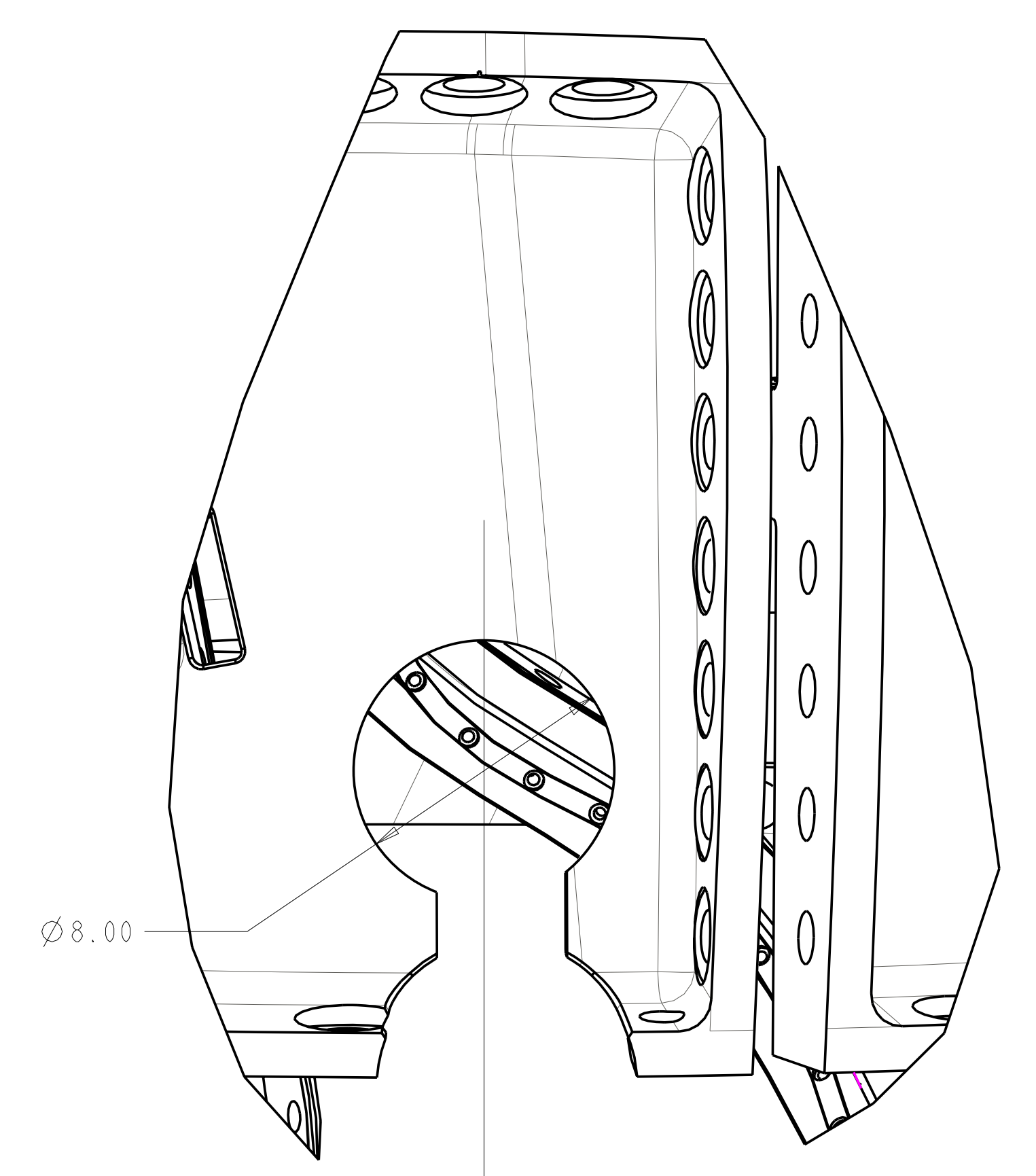
Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725 UT-BATTELLE, LLC, Oak Ridge, Tennessee PROJECT NAME								
UT-BATTELLE NATIONAL COMPACT STELLARATOR EXPERIMENT								
PRODUCTION WINDING FORM TYPE-C								
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS		
28+	X-10	5700	3	8	11	S	U	
RELEASE LEVEL	SEI41-116						REV	0
WIP								



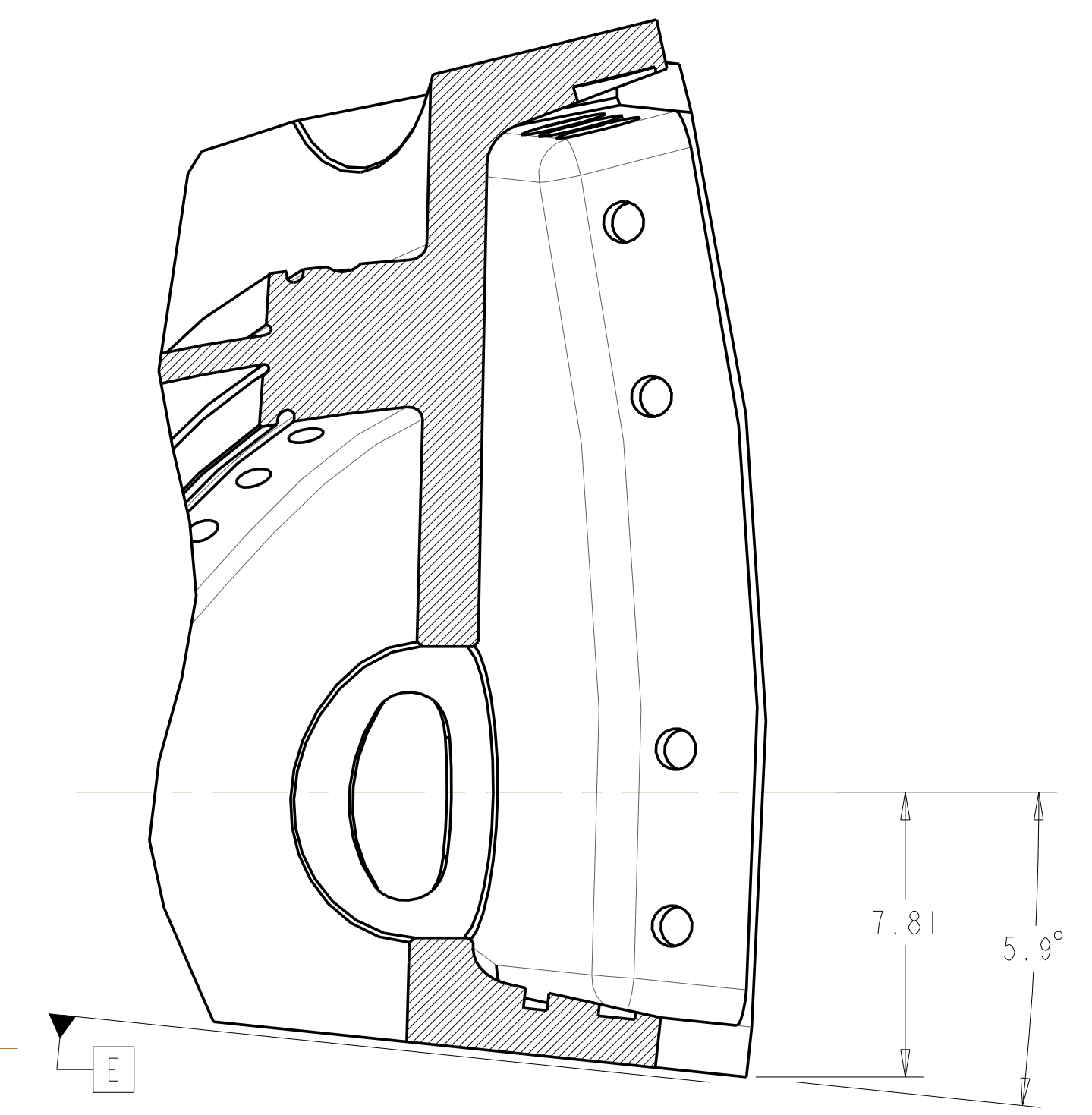
VIEW AT DATUM E
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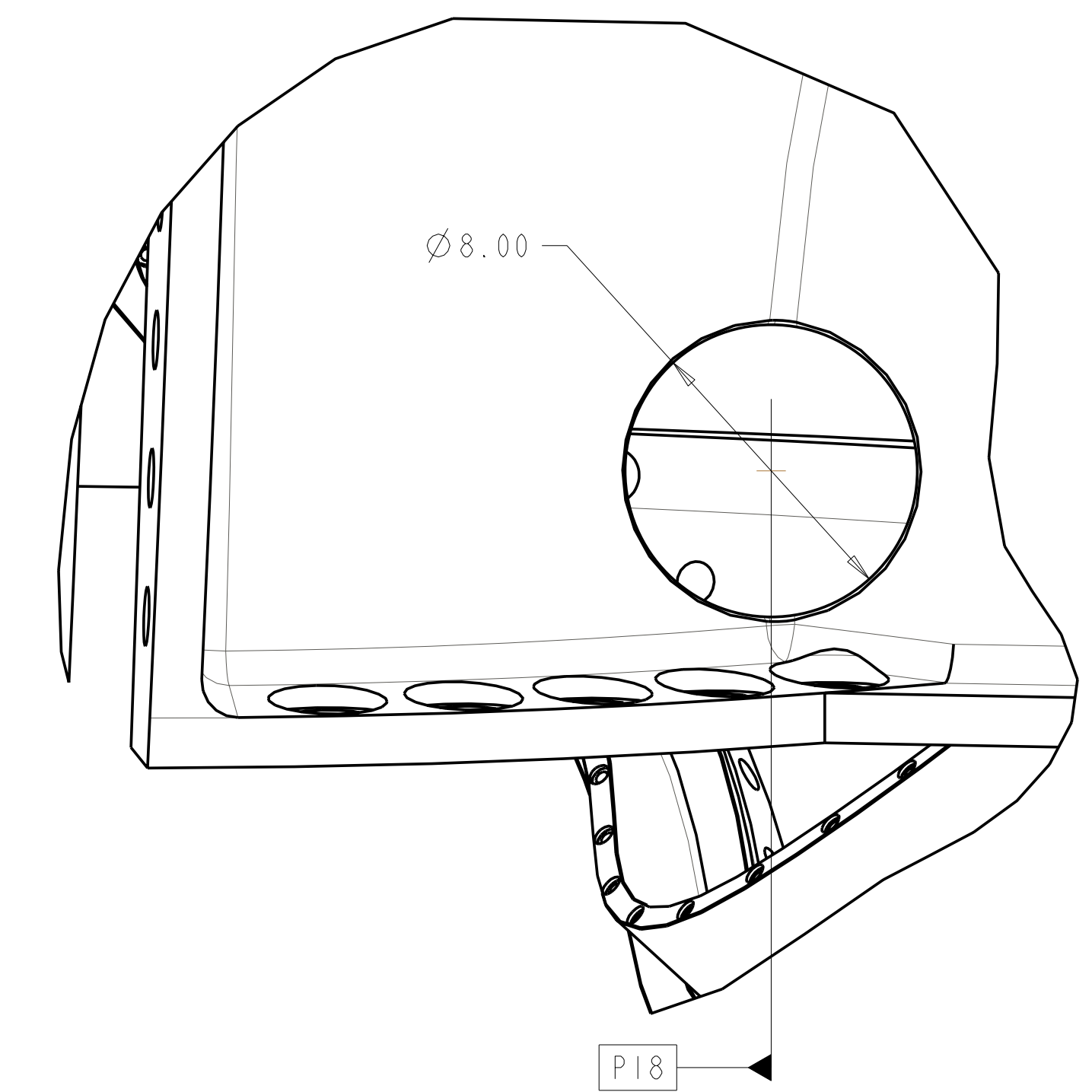
SECTION PT8-PT8
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SECTION EI-EI
SCALE 0.250

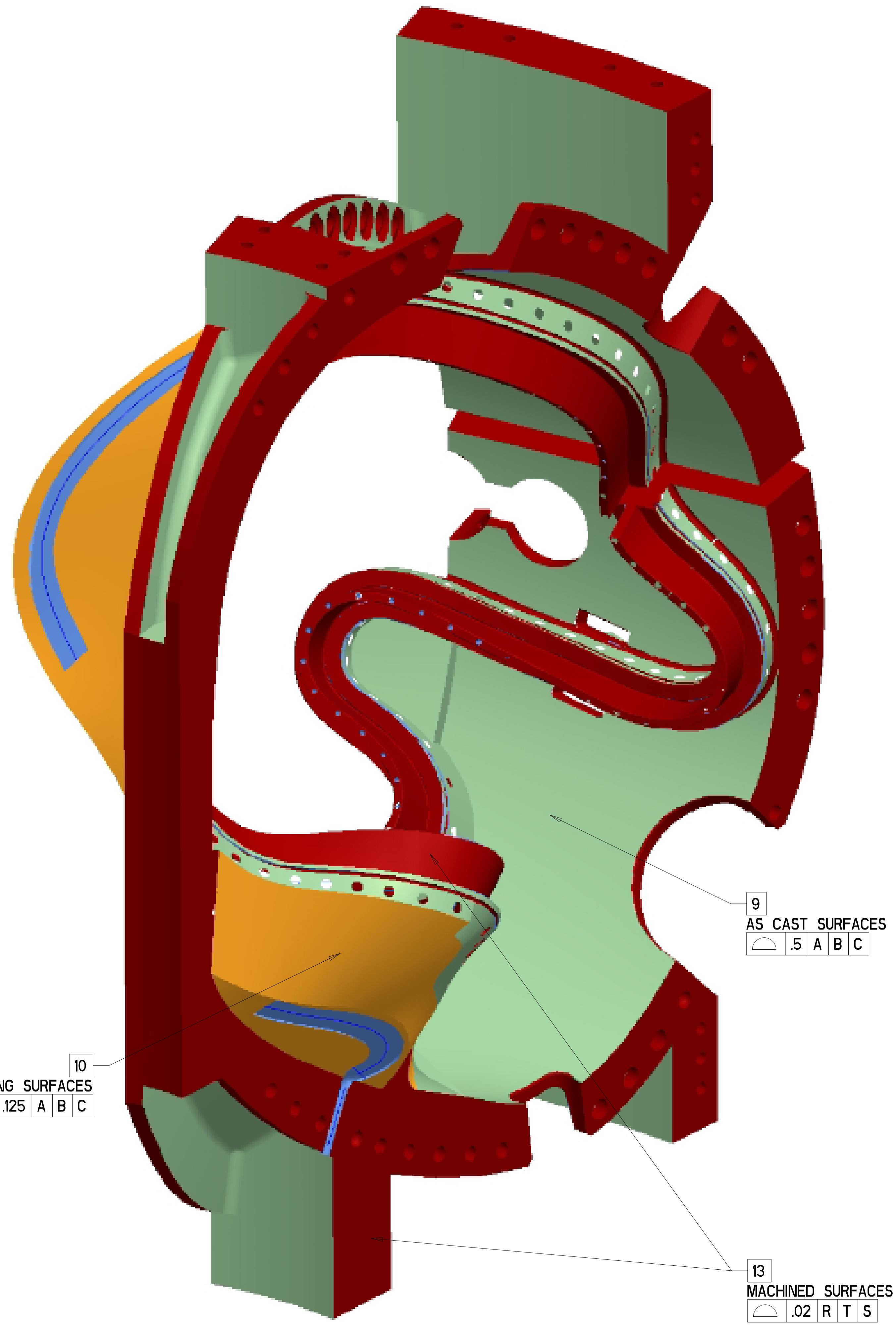


SECTION P18-P18
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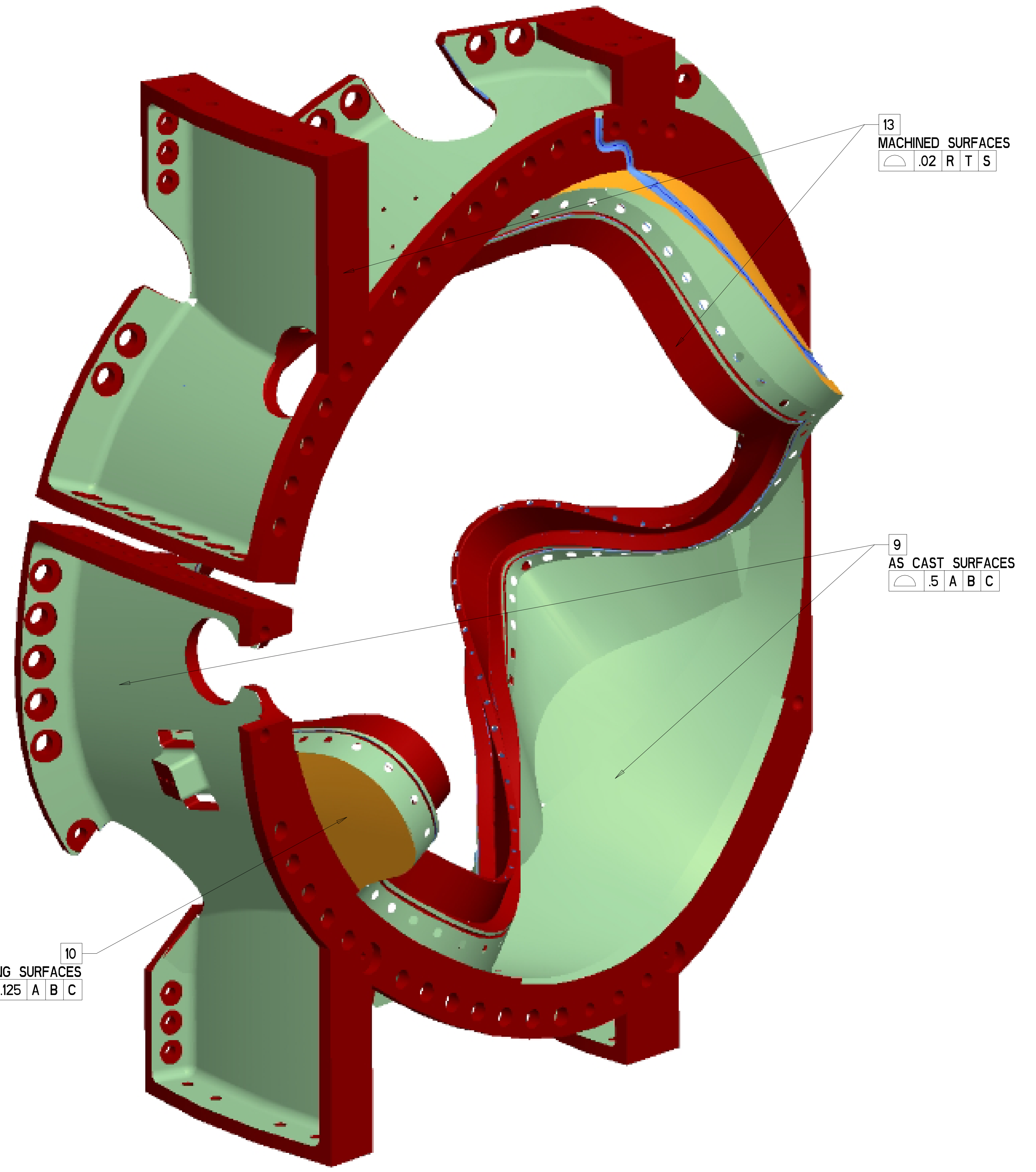


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UT-BATTELLE NATIONAL COMPACT STELLARATOR EXPERIMENT							
PRODUCTION WINDING FORM TYPE-C							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
28+	X-10	5700	3	9	11	S	U
RELEASE LEVEL	SEI41-116						REV
WIP							0

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SEI41-116



ISOMETRIC VIEW
NOT TO SCALE



ISOMETRIC VIEW
NOT TO SCALE

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							
PRODUCTION WINDING FORM TYPE-C							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
28+	X-10	5700	3	1	S	U	
RELEASE LEVEL	SEI41-116					REV	
WIP						0	

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SEI41-116