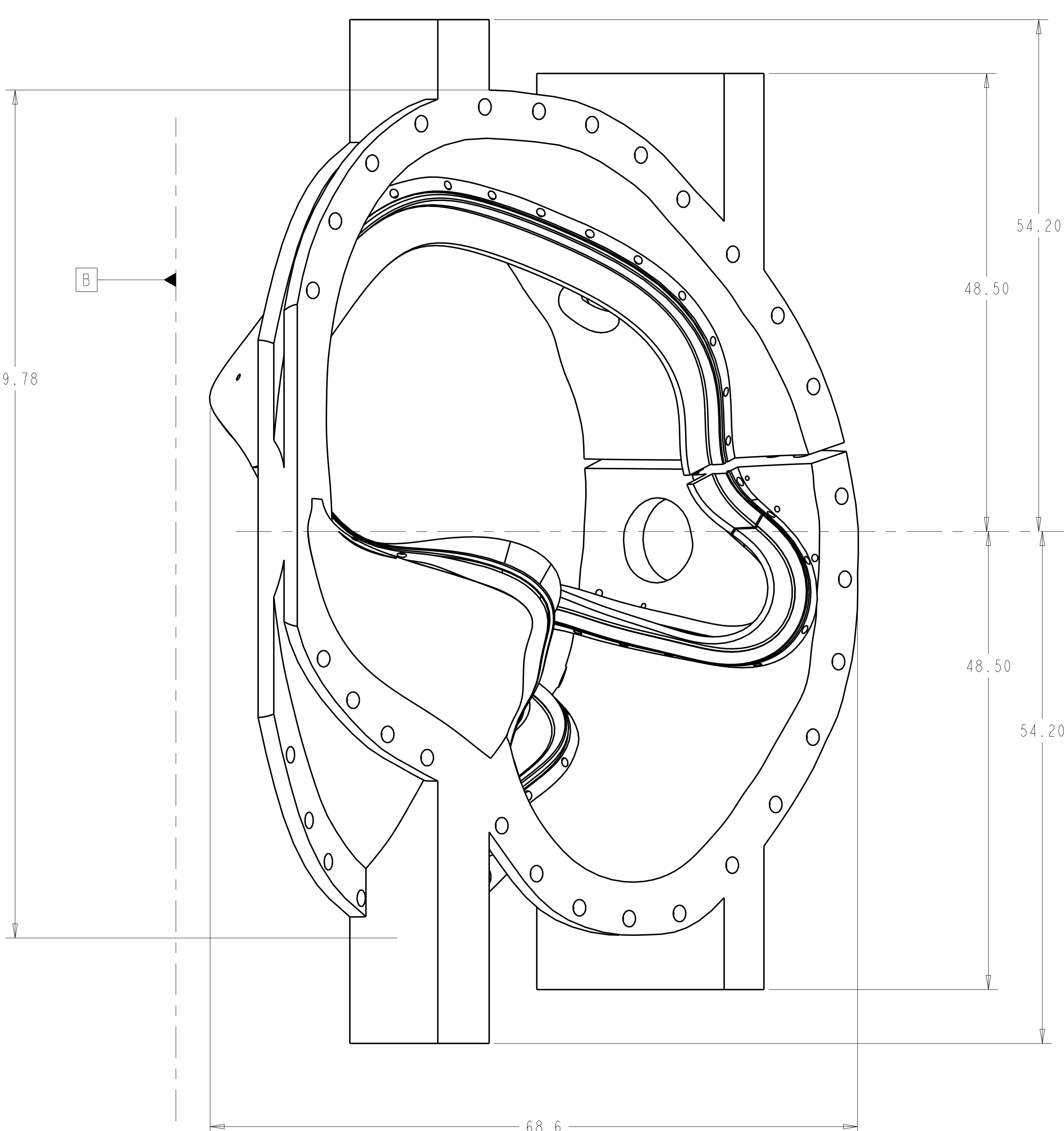
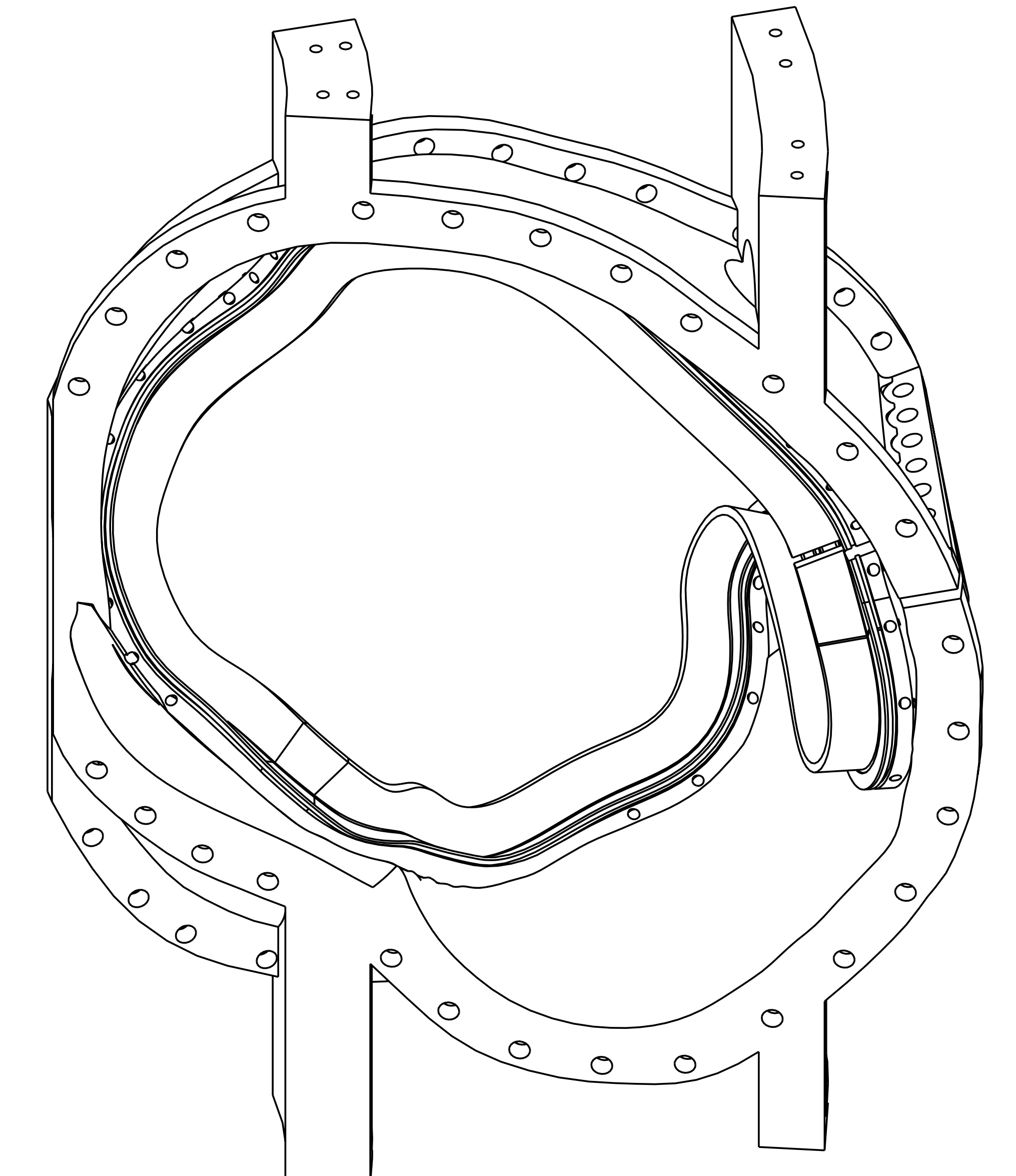
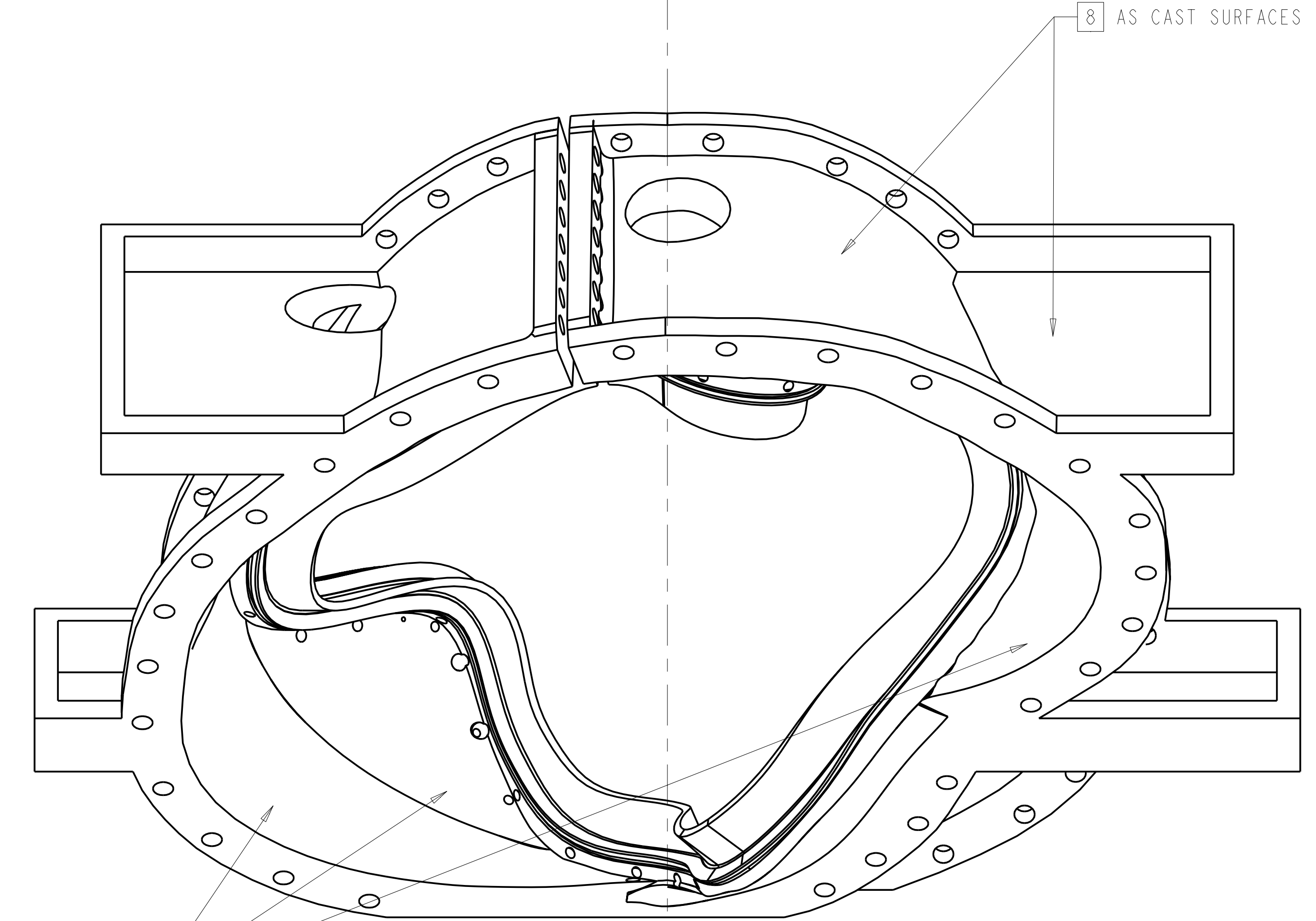
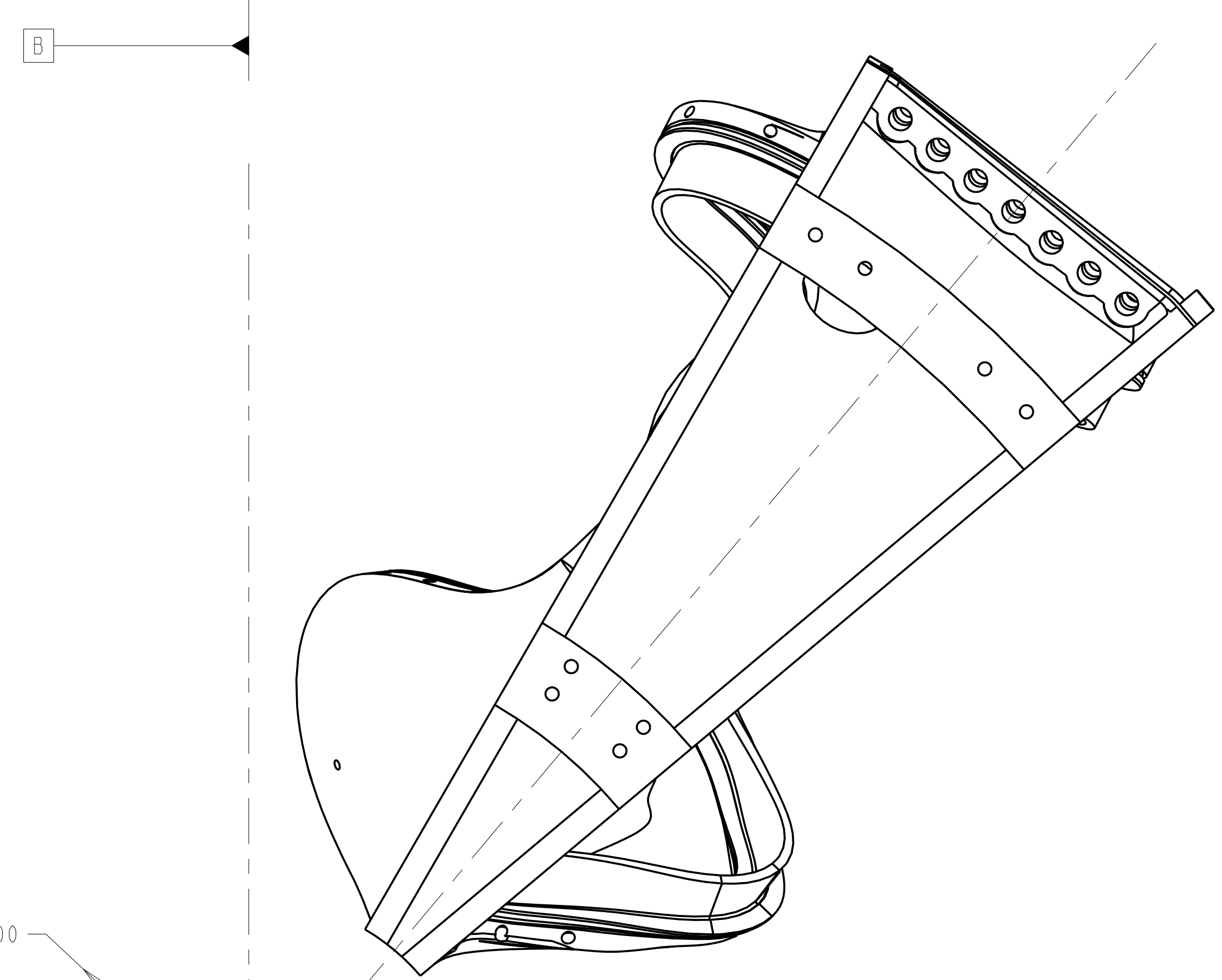


- NOTES:
1. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M
  2. DIMENSIONS ARE IN INCHES
  3. REMOVE ALL DIRT, GREASE, AND OIL. VISUALLY INSPECT AFTER CLEANING.
  4. SEE SPECIFICATION, NCSX-CSPEC I41-01-01, FOR ADDITIONAL REQUIREMENTS.
  5. GEOMETRY IS DEFINED IN PRO ENGINEER CAD MODELS/FILES SEI41-013.PRT.
  6. DRAWING AND MODELS COMBINED DEFINE FINISHED MACHINED PART.
  7. MACHINED FINISHED SURFACES TO CAD DATA, PROFILE WITHIN 0.020" PROFILE TOLERANCE IS BILATERAL, i.e. 0.010" EITHER SIDE OF THE REFERENCE SURFACE.
  8. AS-CAST SURFACES SHOWN IN NOMINAL MATERIAL CONDITION, THICKNESS TOLERANCE +/- 0.25. SURFACE PROFILE MUST BE WITHIN 0.5 INCHES OF CAD DATA, EXCEPT IN REGIONS OF INTERSECTING SURFACES WHERE FILLETS ARE EXPECTED.
  9. DIMENSIONS APPLY AT ROOM TEMPERATURE. OPERATING TEMP 80 K.



APPROXIMATE WEIGHT = 6726.8 LBS

**PRELIMINARY**  
 FOR INFORMATION ONLY

CAGE CODE	PART OR IDENTIFYING NO	M13 SHELL NOMENCLATURE OR DESCRIPTION	SEE NOTE 4 MATERIAL	SEE NOTES SPECIFICATION	FIND NO
-	-	M13 SHELL	SEE NOTE 4	SEE NOTES	I
PARTS LIST					

QV CLAUSE	DOCUMENTS REQUIRED	APPLICABLE TO PART NO. *
30.3	MATERIAL MILL TEST REPORT	
32.5	MATERIAL SELLER CERT	X
32.6	SPECIAL MATERIAL INSPECTION REPORT	
20.5	MANUFACTURING, INSPECTION AND TEST PLAN	X
31.2	FITTED INSPECTION AND TEST PLAN	
32.1	WELD AND BRAZE INSPECTION REPORT	X
32.2	HEAT TREAT REPORT (MCM/MT)	X
31.0	"CLEAN" TEST REPORT	X
31.5	CLEANING CERT	X
31.8	DEVIATION REQUEST	X
31.9	NONCONFORMANCE REPORT	X
32.3	DIMENSIONAL REPORT	X
33.0	FUNCTIONAL TEST REPORT	
100	DOCUMENTATION	X

\* SYMBOL # INDICATES APPLICABLE TO ALL PARTS OR ITEMS

REV	DESCRIPTION	A-E	BY	CHK	SECT	DEPT	DATE	PE	REQ. DATE	ORNL DATE	DOE DATE	QA	CV	EC	EE	EM	IE	M	PD	SE	ST	XAD	PES	
-	ISSUE FOR INFORMATION ONLY																							

SCALE .125 UNO

TOLERANCES UNLESS OTHERWISE SPECIFIED:  
 FRACTIONS :  
 XX DECIMALS ± .01  
 XXX DECIMALS ± .005  
 ANGLES ± 0'15"  
 BREAK SHARP EDGES .06 MAX  
 FINISH .125 UNLESS OTHERWISE SPECIFIED

DES: DAVID WILLIAMSON 3-20-03  
 DRW: GARY LOVETT 3-20-03

CHK :  
 SECT :  
 DEPT :  
 PE :  
 CR :  
 PJ :  
 REQ :

PPPL DRFT :  
 DATE :  
 DRAWING APPROVALS :  
 DATE :

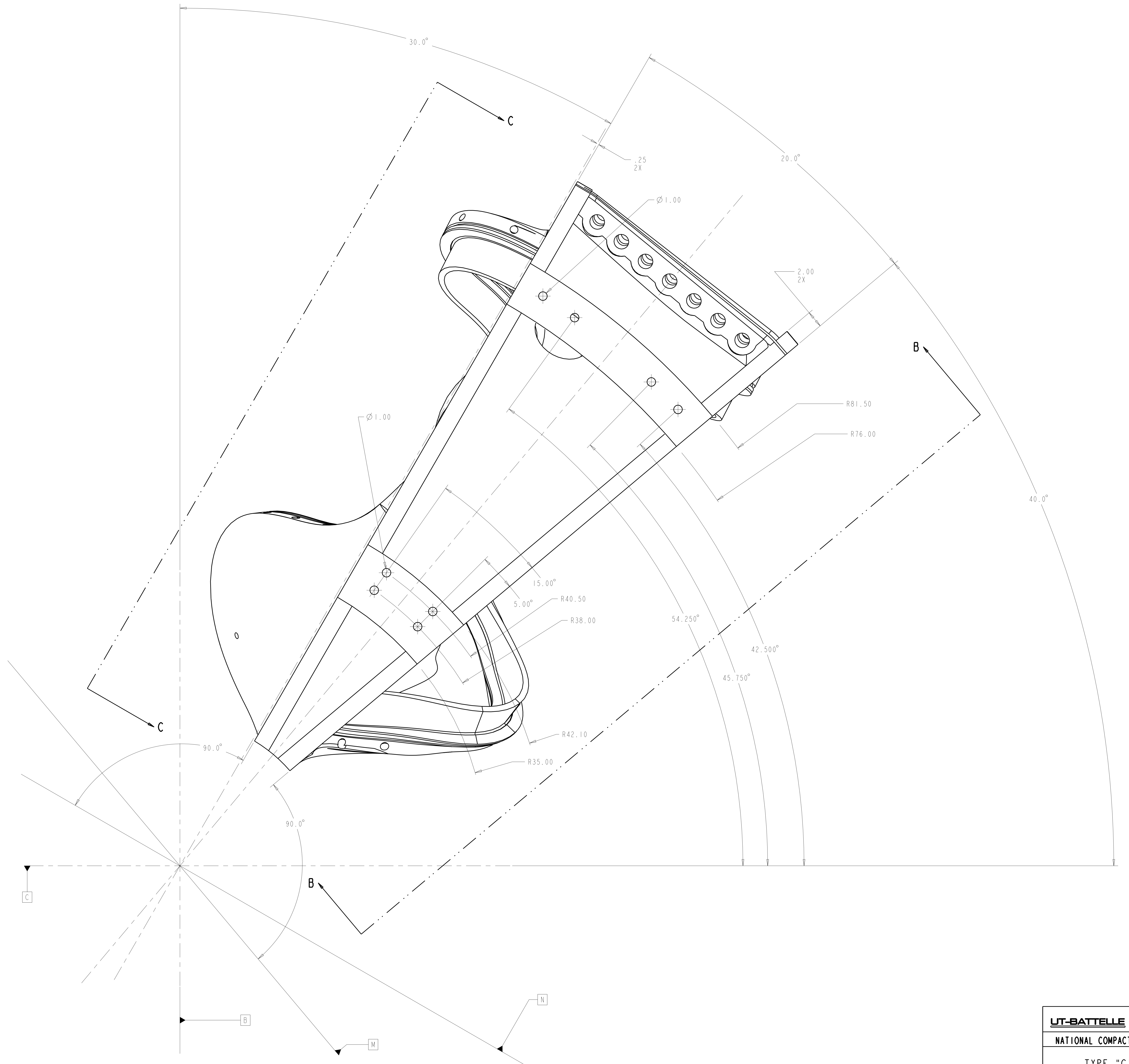
UT-BATTELLE  
 NATIONAL COMPACT STELLERATOR EXPERIMENT  
 TYPE "C" WINDING FORM

VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS
000	X-10	9201-2	X	1	5	U

RELEASE LEVEL :  
 SEI41-113

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

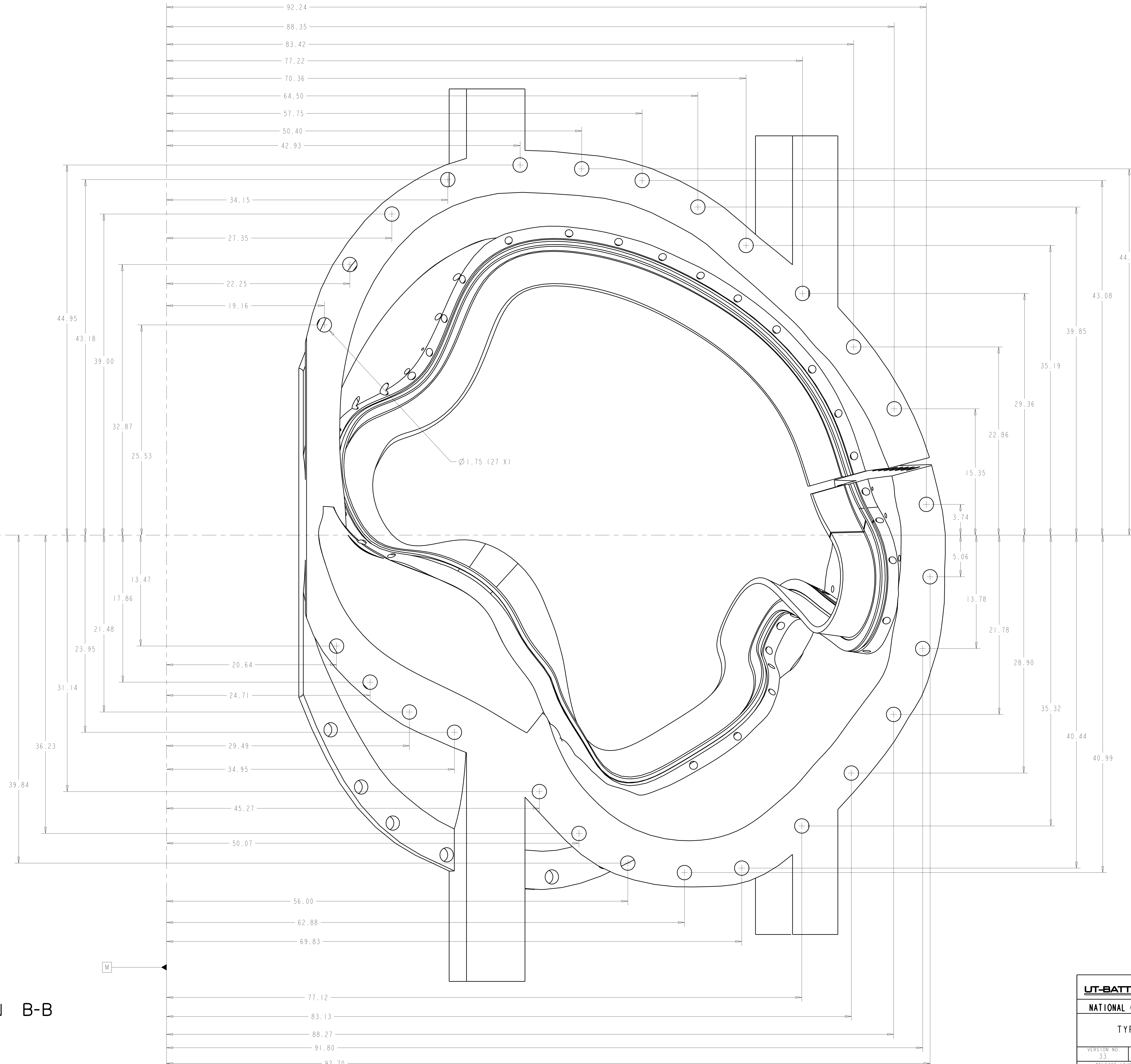


Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725 UT-BATTELLE, LLC, Oak Ridge, Tennessee PROJECT NAME:							
<b>UT-BATTELLE</b> NATIONAL COMPACT STELLERATOR EXPERIMENT							
TYPE "C" WINDING FORM							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
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RELEASE LEVEL		REV					
WIP		SEI41-113					

SEI41-113

A

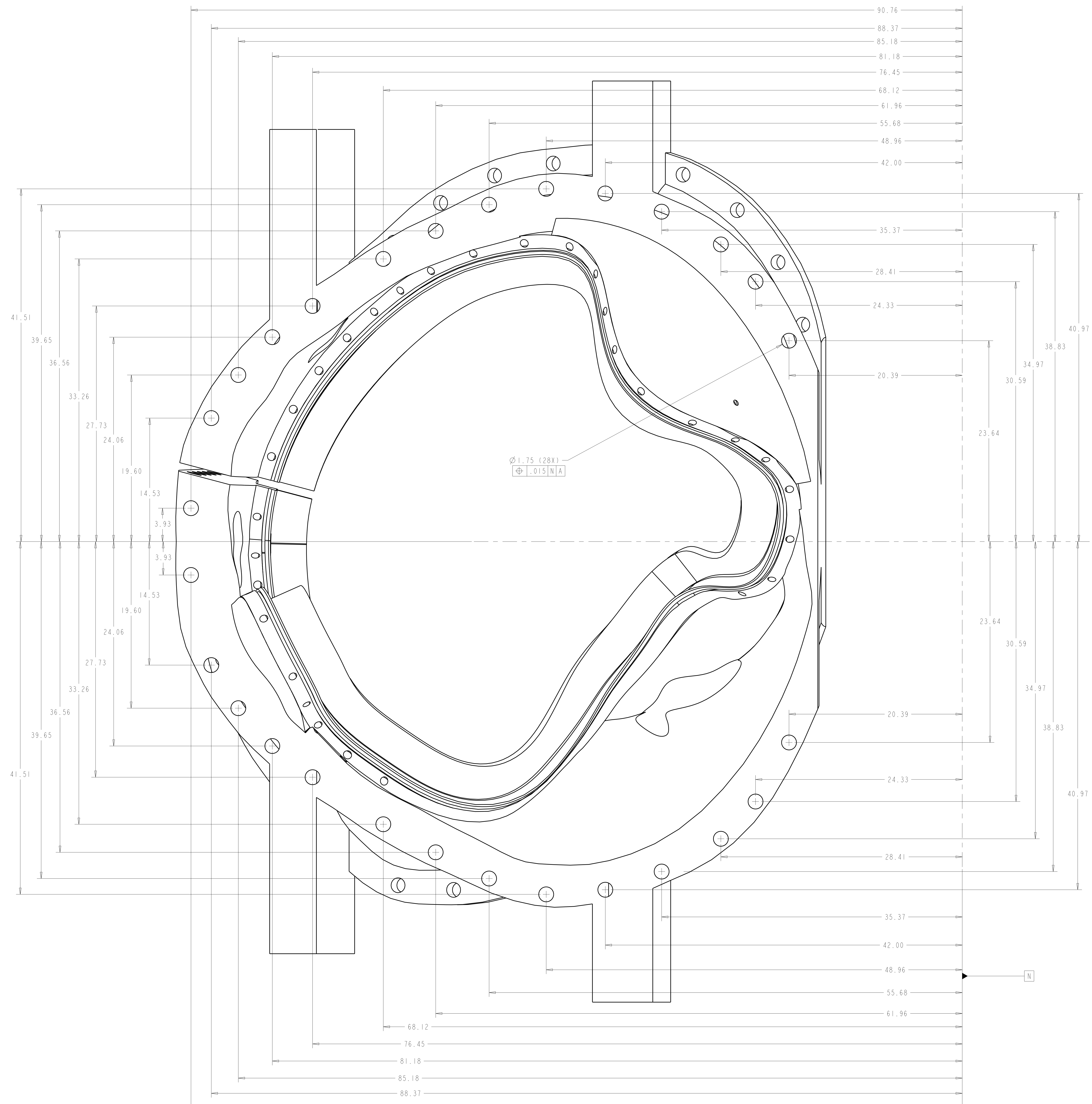
SECTION B-B  
SCALE 0.250



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							
<b>UT-BATTELLE</b> NATIONAL COMPACT STELLERATOR EXPERIMENT							
TYPE "C" WINDING FORM							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
33	X-10	9201-2	X	3	S	U	
RELEASE LEVEL		WIP		SEI41-113		REV -	

B SEI41-113

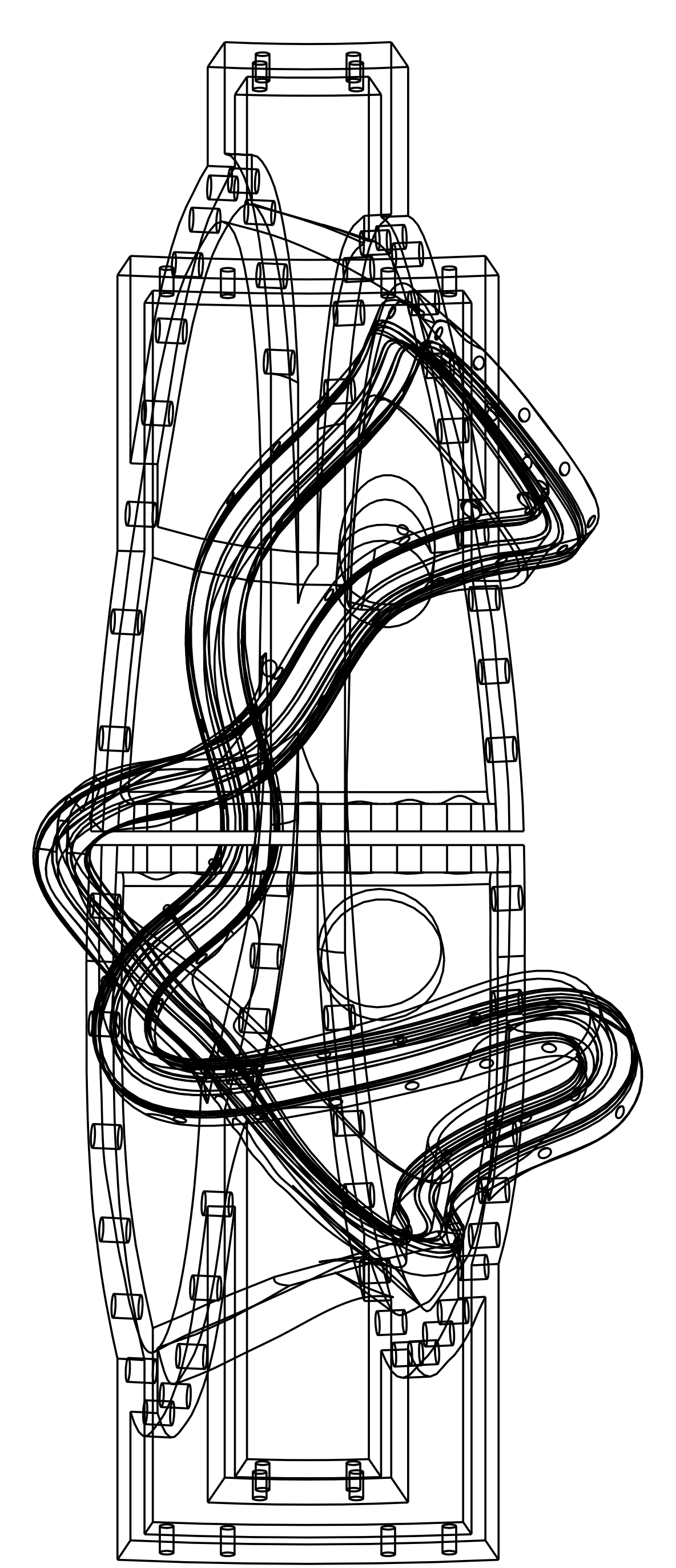
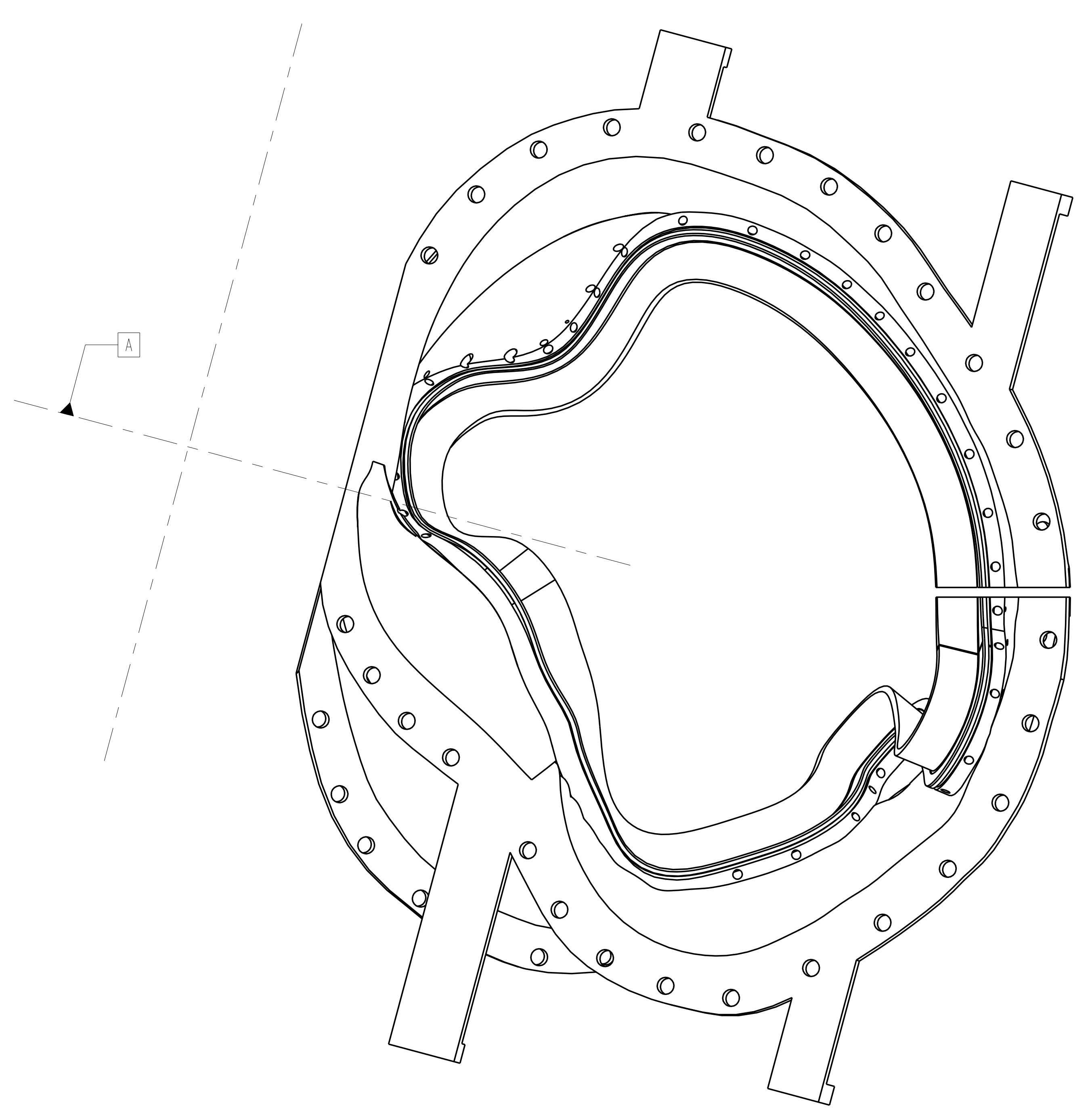
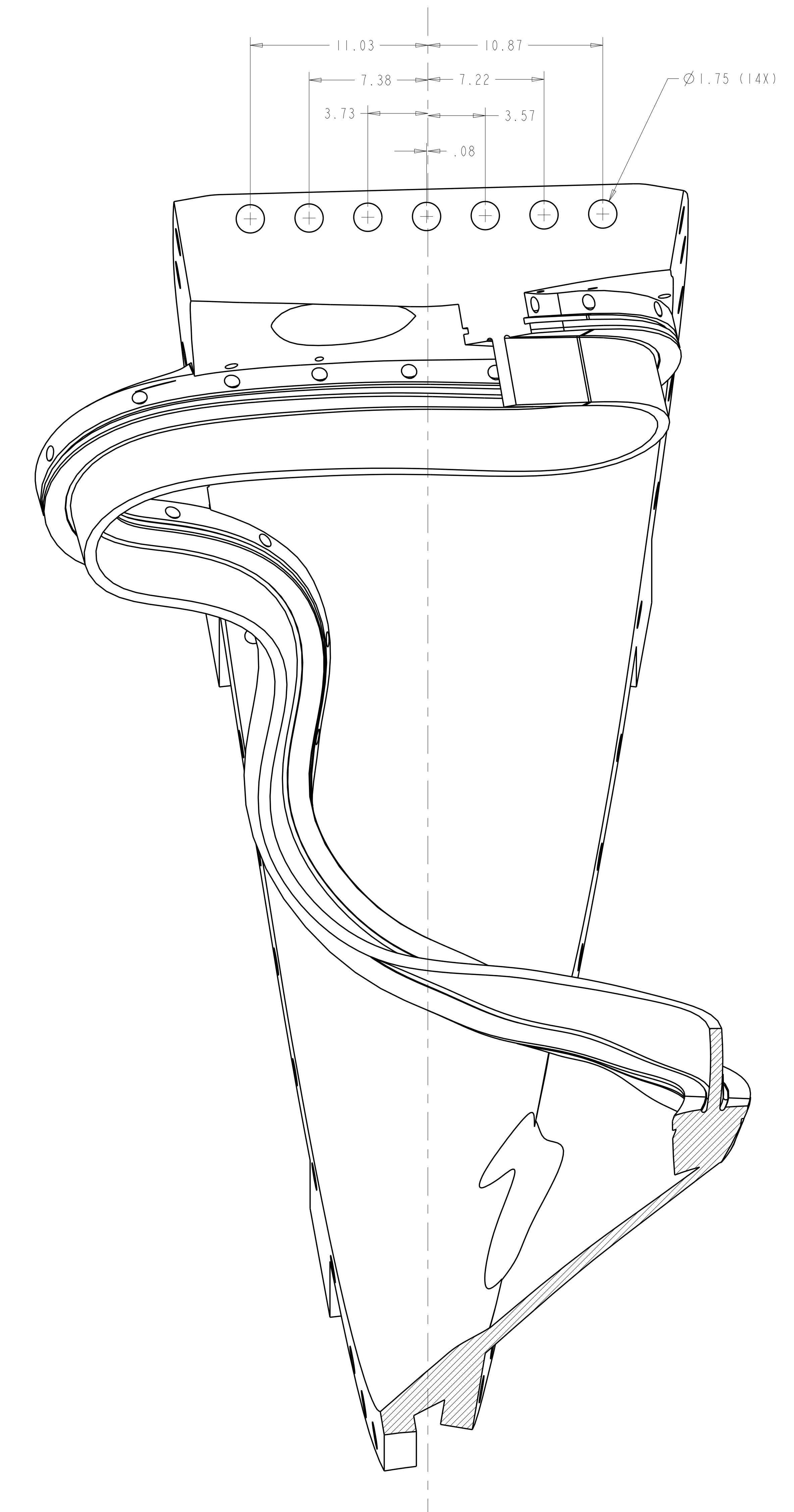
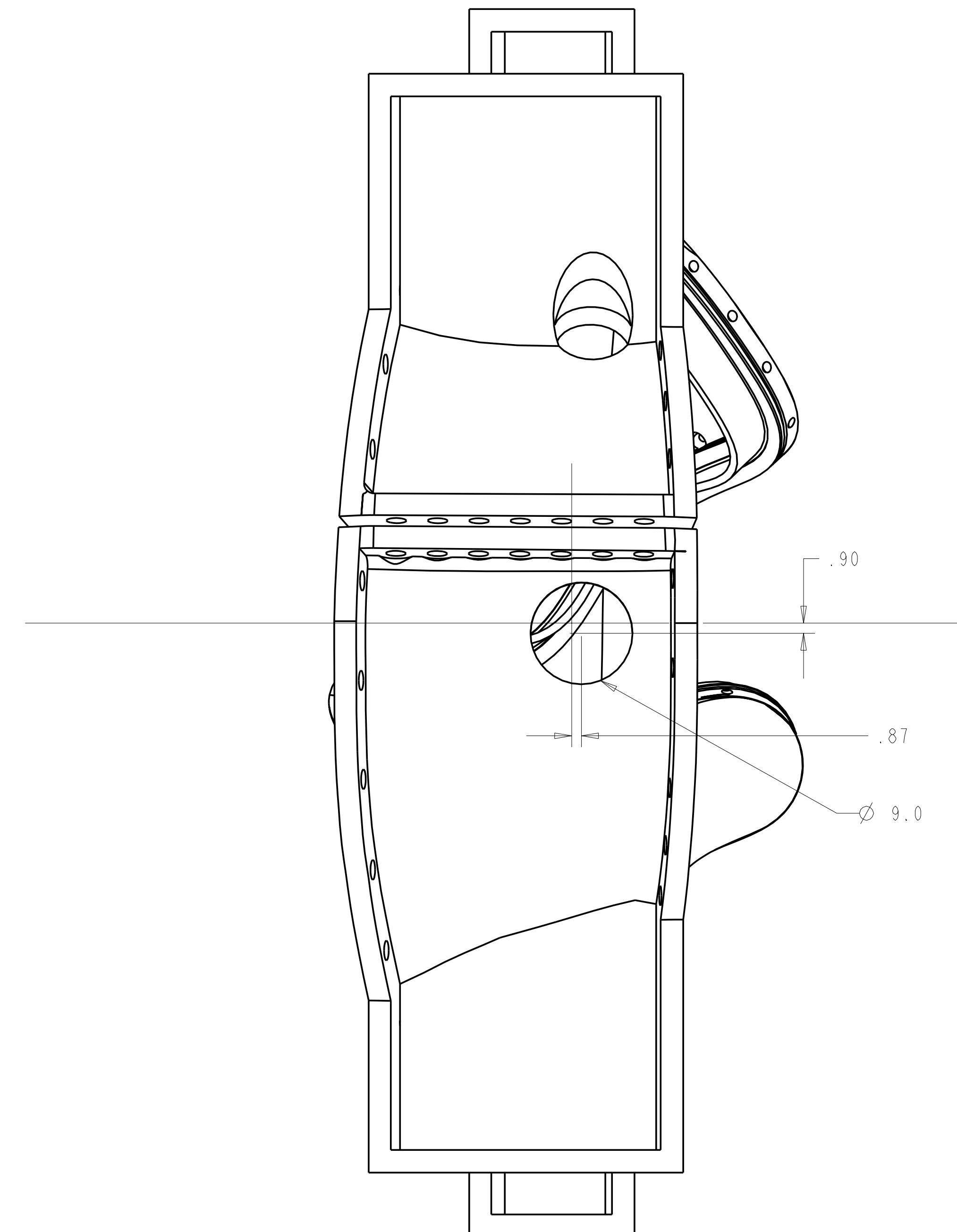
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SECTION C-C  
SCALE 0.250

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<b>UT-BATTELLE</b>							
NATIONAL COMPACT STELLERATOR EXPERIMENT							
TYPE "C" WINDING FORM							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
33	X-10	9201-2	X	4	S	U	
RELEASE LEVEL		SEI41-113					
WIP							

H  
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<b>UT-BATTELLE</b>							
NATIONAL COMPACT STELLERATOR EXPERIMENT							
TYPE "C" WINDING FORM							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
33	X-10	9201-2	X	5	S	U	
RELEASE LEVEL		SEI41-113					
WIP							

H G F E D C B A