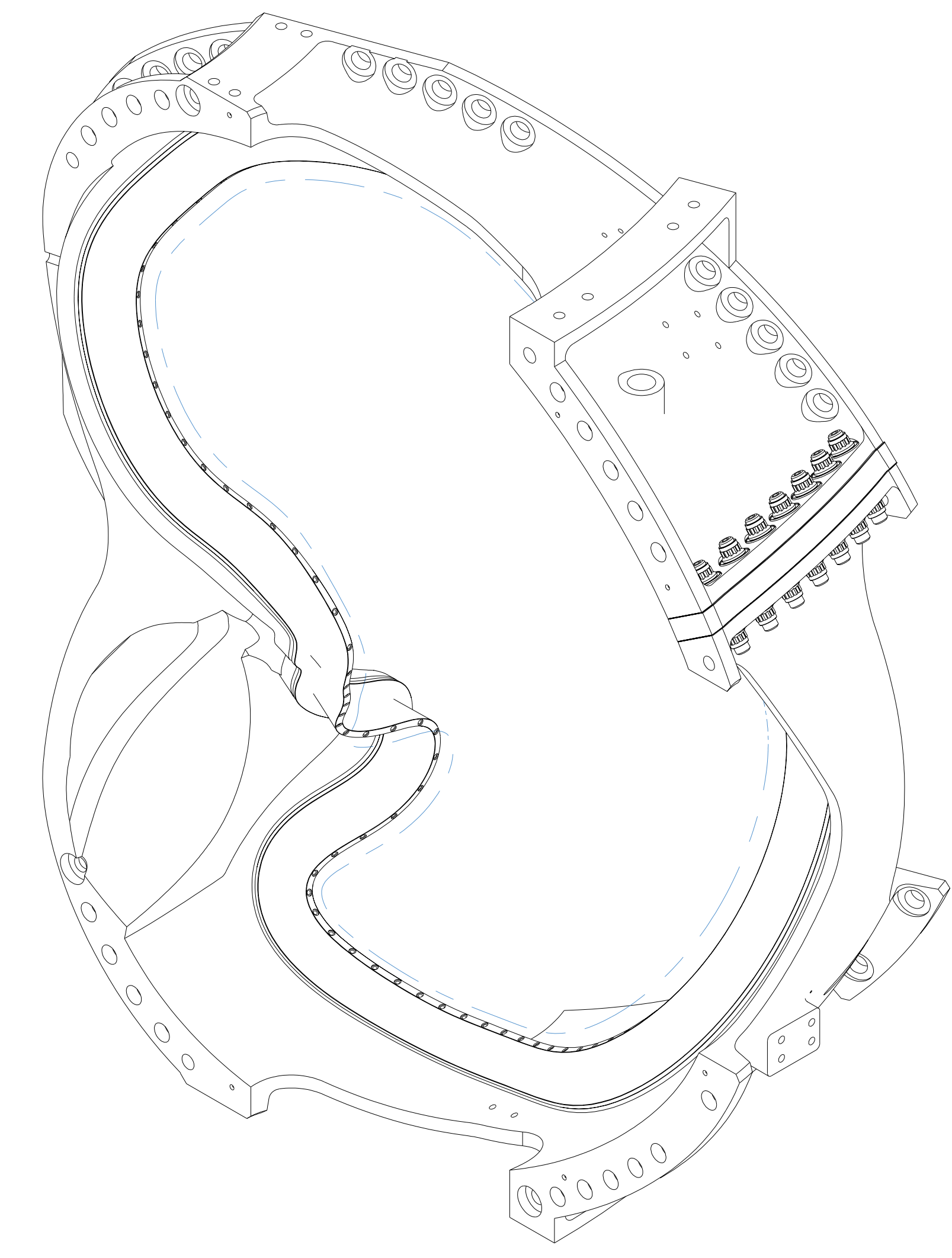
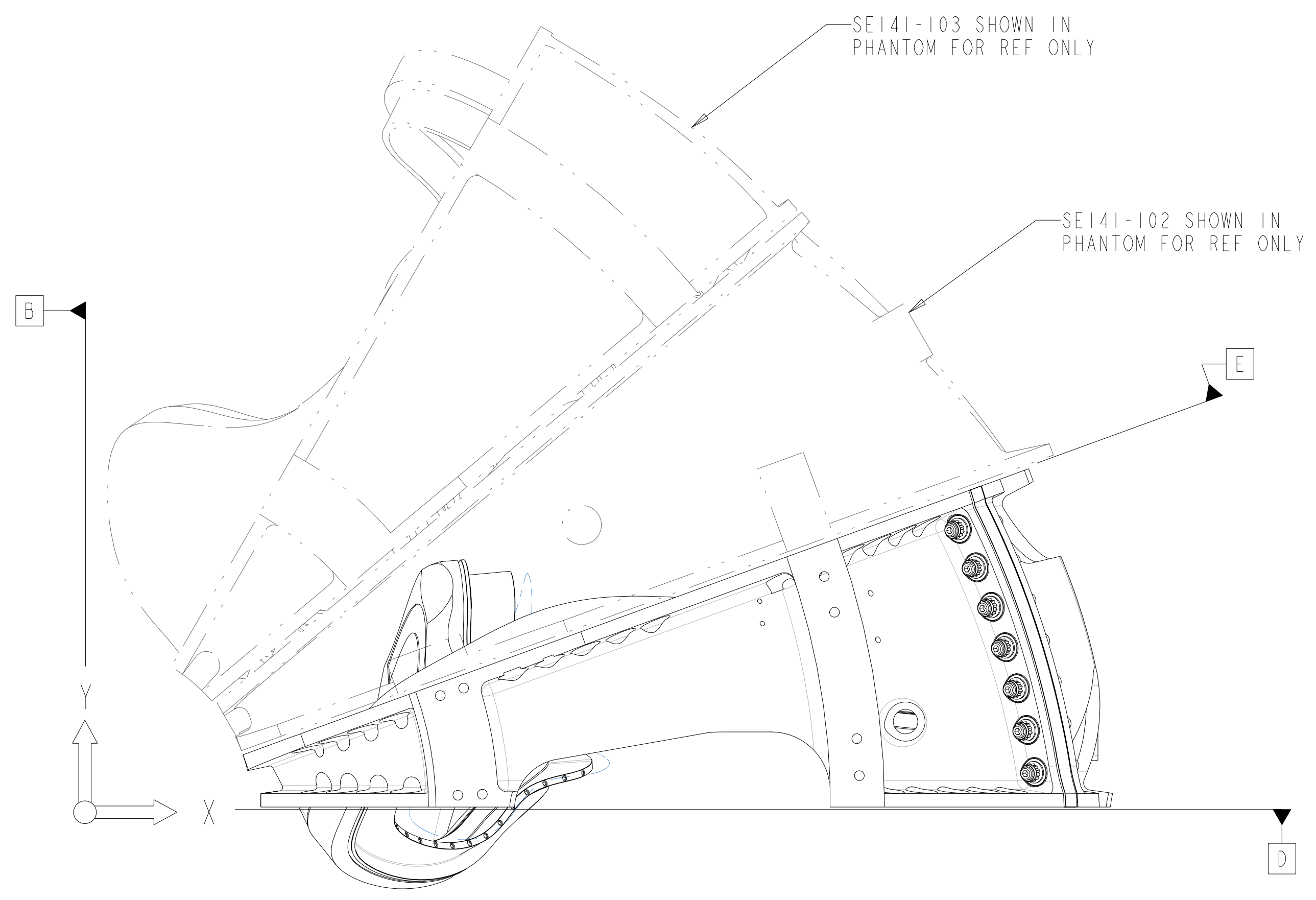
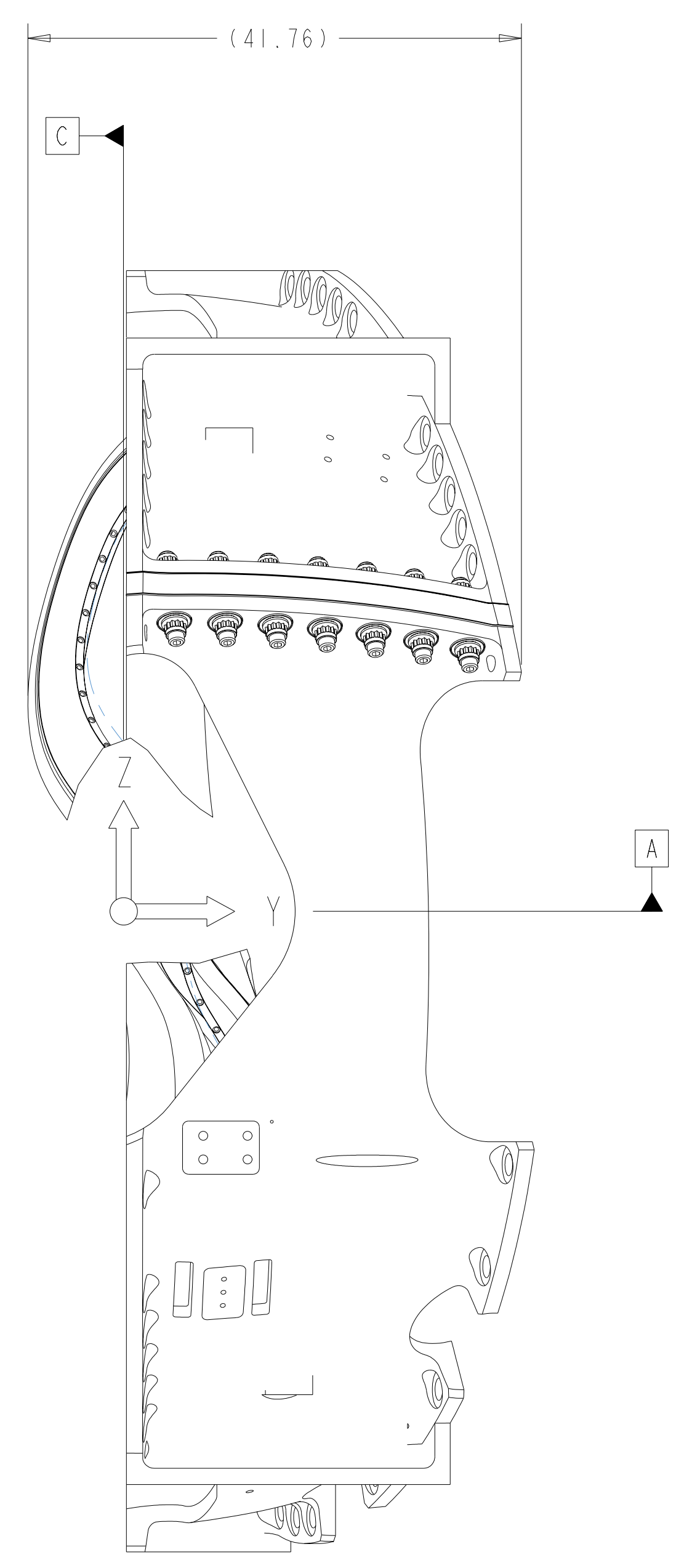
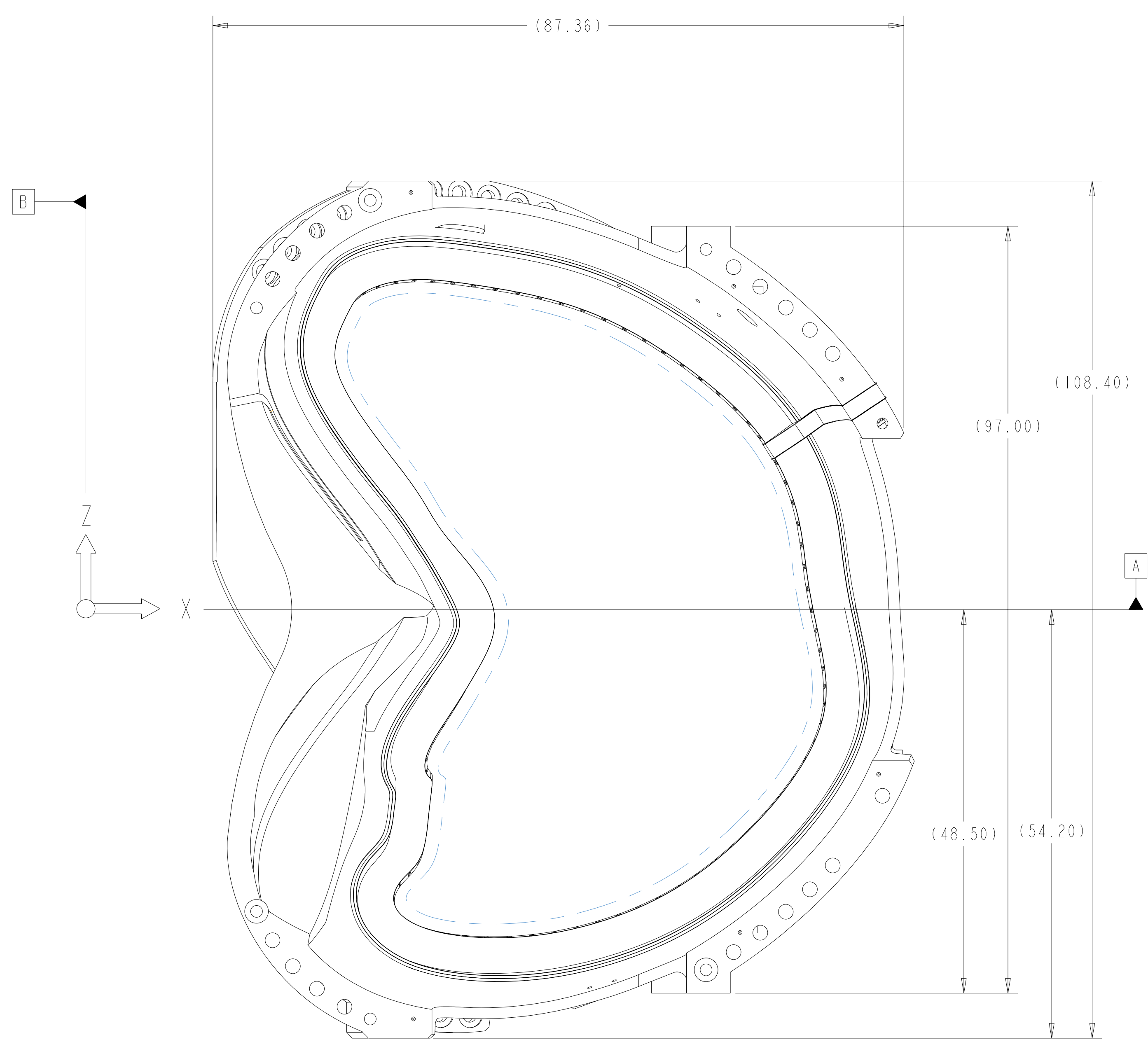


- NOTES:
- DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.8M-1996.
  - INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1994.
  - DIMENSIONS ARE IN INCHES.
  - DRAWING DEPICTS FINAL MACHINED STATE OF ASSEMBLY DEFINED BY PRO/ENGINEER FILE SEI41-101.PRT.
  - UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE 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 TEMPERATURE OF 20-30°C (68-86°F).
  - DIMENSIONS AND TOLERANCES EXCLUDE PROCESS MATERIAL ALLOWANCES WHICH MAY ADD MASS.
  - APPROXIMATE WEIGHT = 4983 LBS
  - MATCH DRILL OR REAM AS REQUIRED TO ACHIEVE RUNNING FIT BETWEEN PARTS AT ASSEMBLY.
  - LUBRICATE THREADED SURFACES WITH MOLYCOTE 321R PER MANUFACTURER'S INSTRUCTIONS.
  - SEE LATEST REVISION OF SPECIFICATION NCSX-CSPEC-141-03 FOR ADDITIONAL REQUIREMENTS.
  - BOND INSULATING SLEEVE (F/N 5) TO WINDING FORM (F/N 2) USING LOCTITE 411, PER MANUFACTURER'S INSTRUCTIONS.



ISOMETRIC VIEW  
 SCALE 0.10



I SCALE .10

14	DS141-079	FLAT WASHER			9
14	DS141-060	NUT, 12PT HEX 1.375-6UNC-2B			8
14	DS141-038	INSULATING WASHER			7
7	DS141-036	STUD, 1.375-6UNC-2A X 9 LG			6
14	-5	MCWF INSULATING SLEEVE TYPE-A	GIICR	NEMA LI I - 1998	5
1	-4	INSULATING SHEET TYPE-A	GIICR	NEMA LI I - 1998	4
1	SEI41-048	POL BREAK SHIM ASSEMBLY TYPE-A			3
1	SEI41-114	PRODUCTION WINDING FORM TYPE-A			2
AR	X	-1	MOD COIL WINDING FORM ASSEMBLY TYPE-A		1
SEI41-101	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION
			← NEXT ASSEMBLY		FIND NO

PARTS LIST

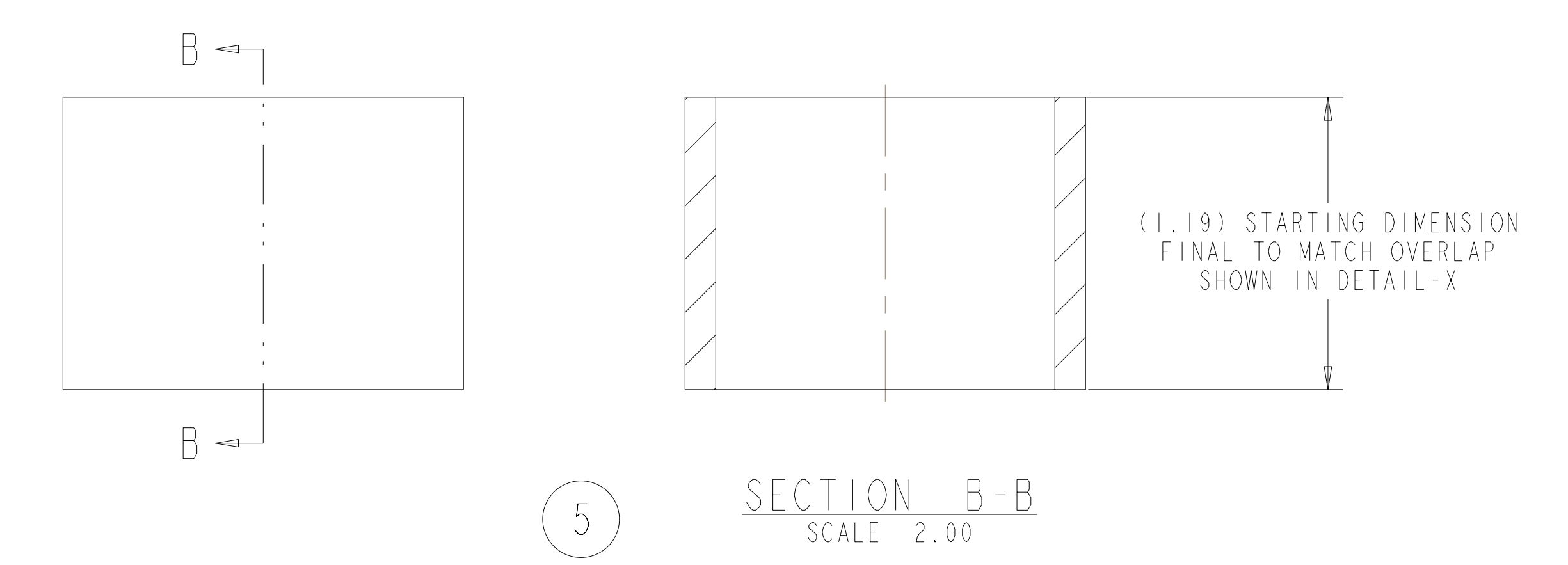
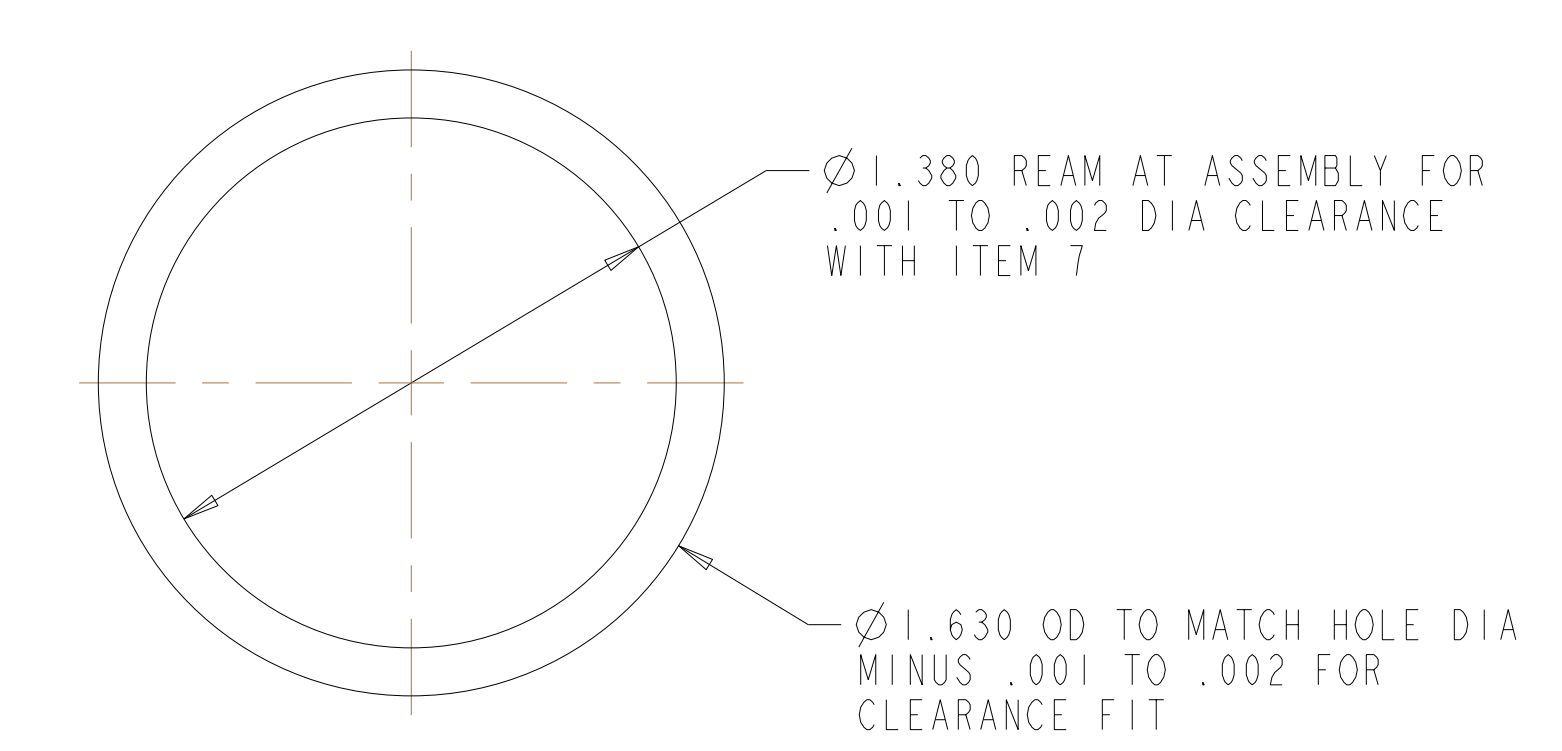
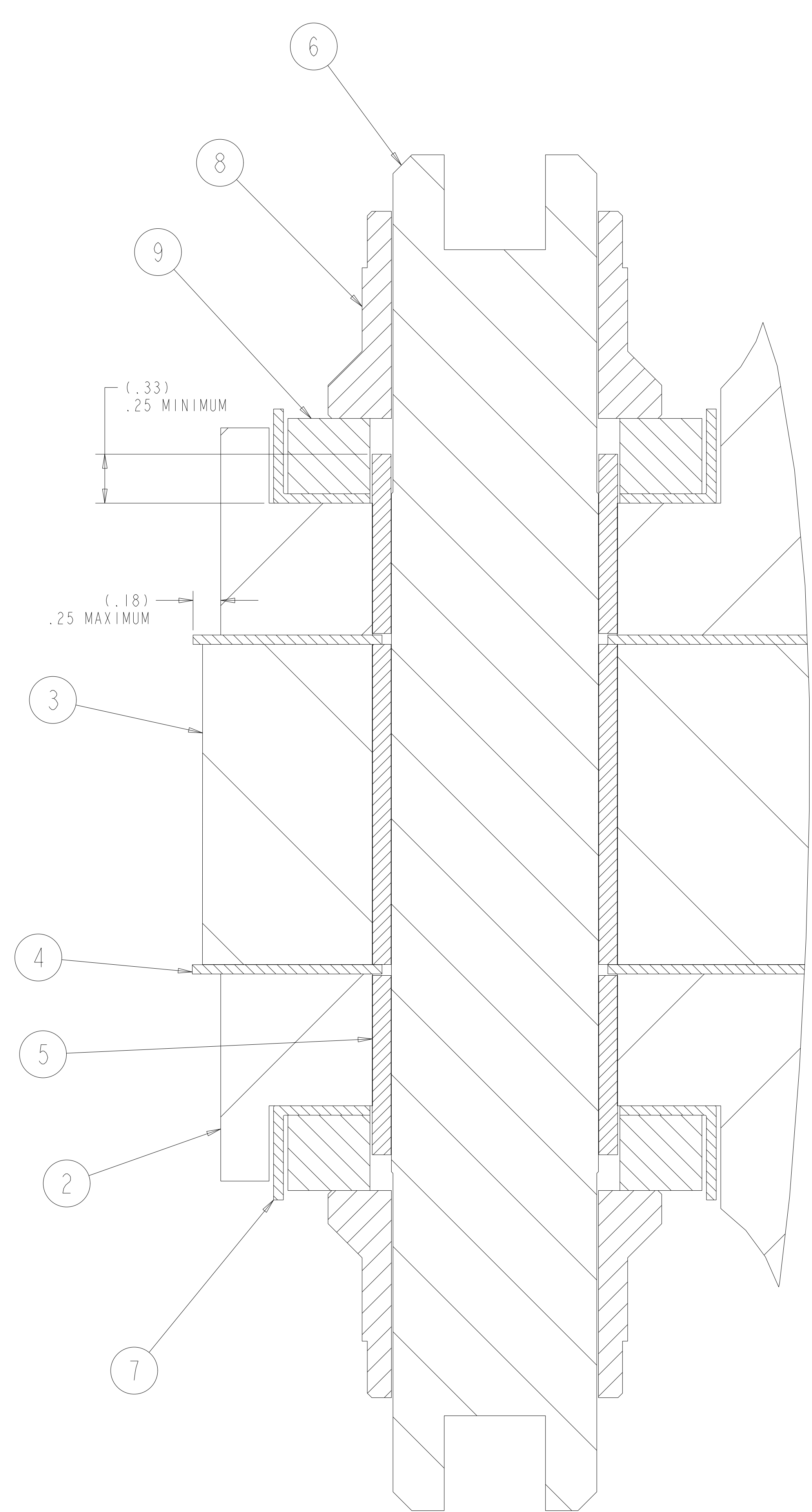
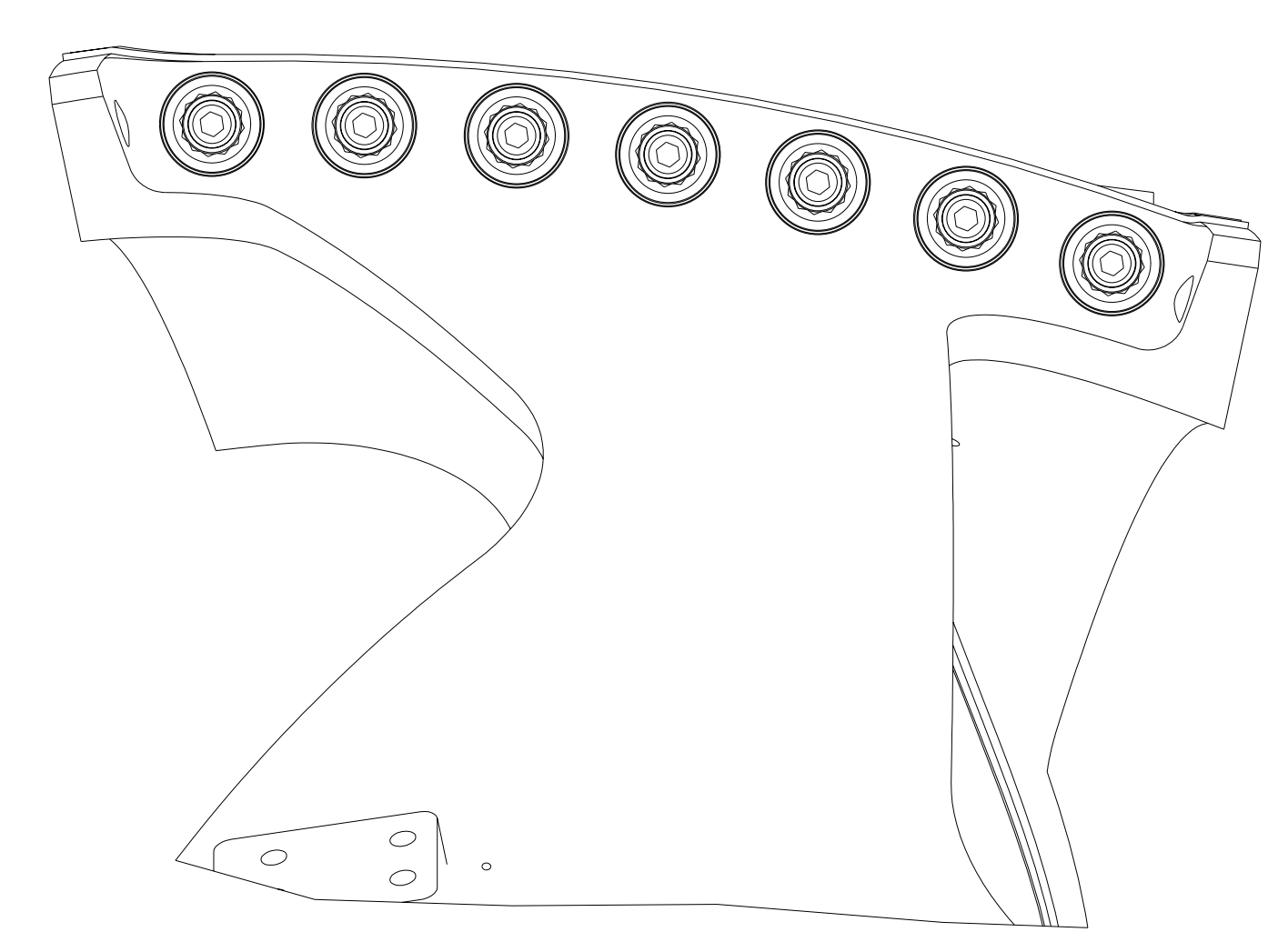
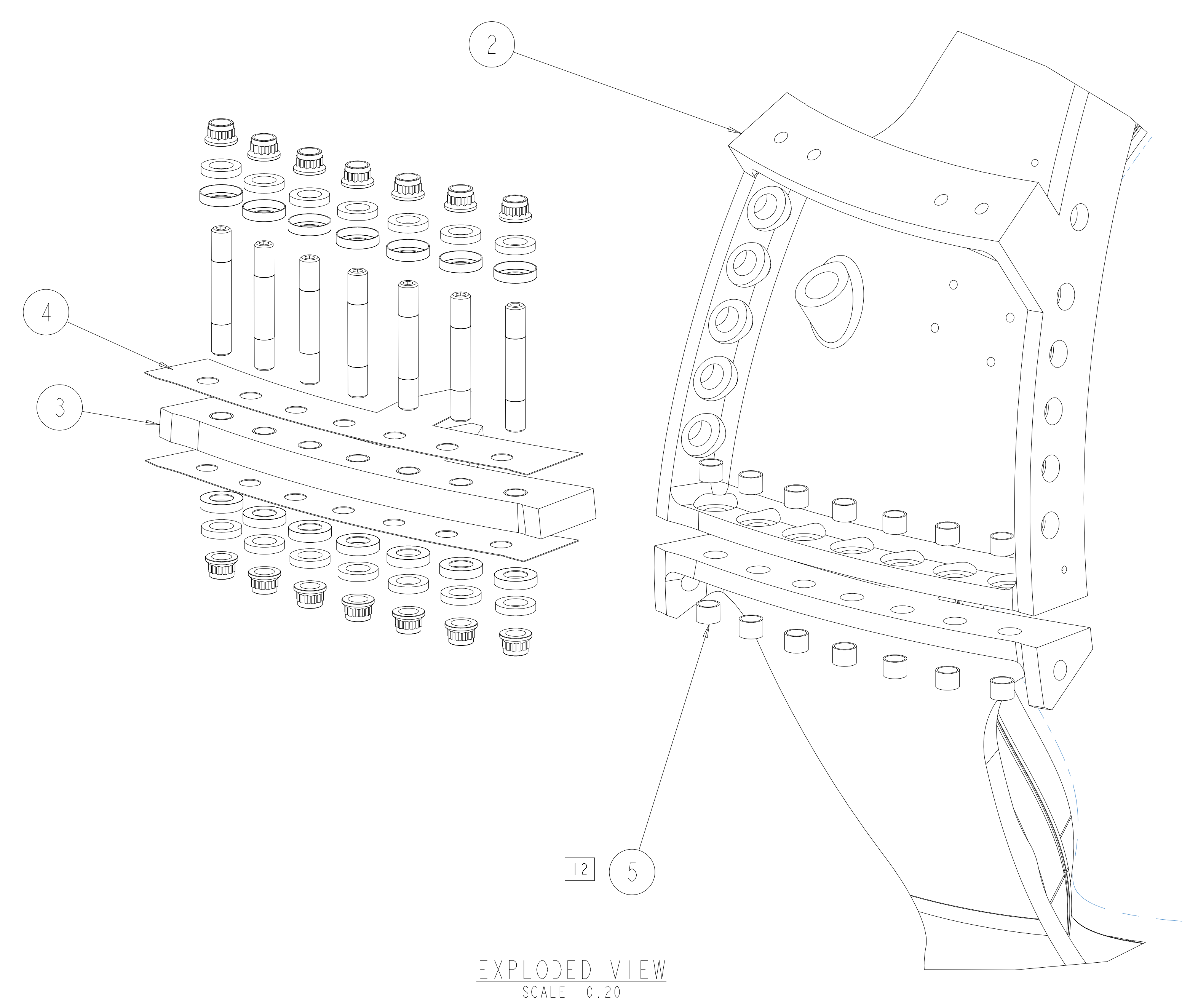
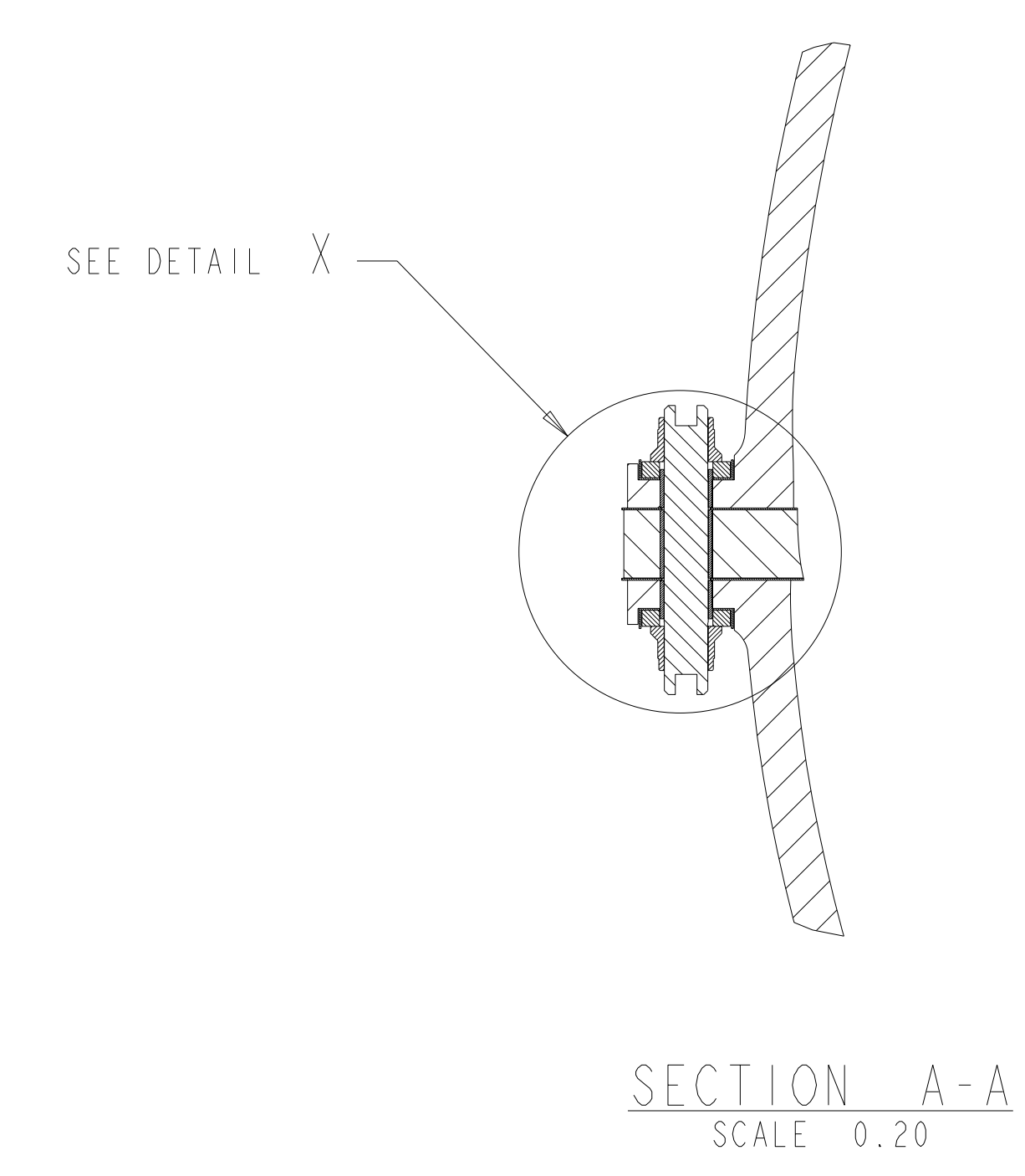
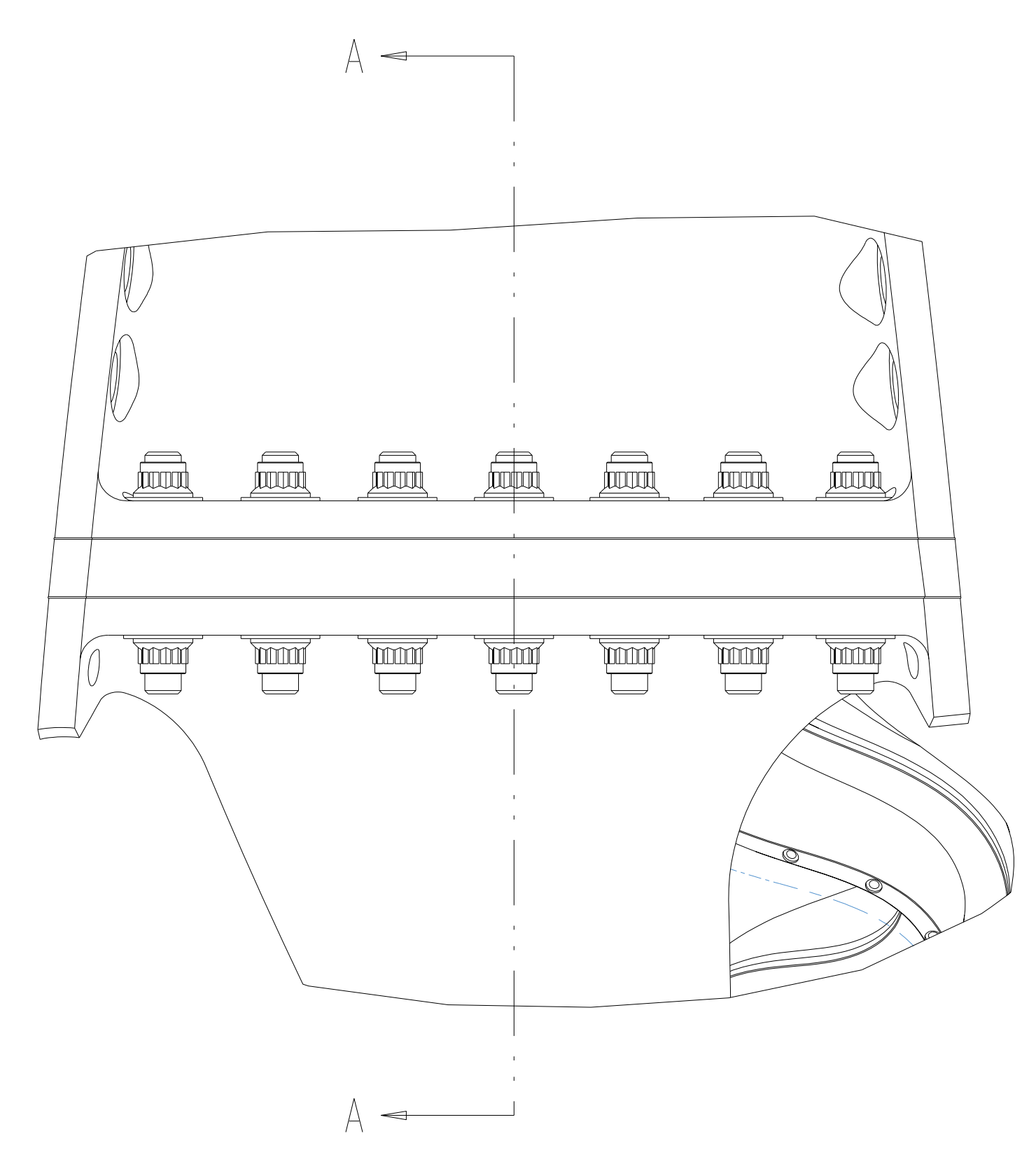
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**P** THIS DRAWING PRODUCED ON PRO-ENGINEER

REVISED F/N 2 PER ECN-4903		DW	9/04	MJC	DEW					SCALE NOTED	DES: T BROWN	6-30-04	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														
REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE	NATIONAL COMPACT STELLARATOR EXPERIMENT				MOD COIL WINDING FORM ASSEMBLY TYPE-A														
REVISION OR ISSUE PURPOSE										TOLERANCES UNLESS OTHERWISE SPECIFIED		FRACTIONS ±.01		XX DECIMALS ±.005		XXX DECIMALS ±0°15'		BREAK SHARP EDGES .06 MAX		FINISH .125 UNLESS OTHERWISE SPECIFIED		PPPL DRFT J SIEGEL		6-30-04	VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS
																						3	X-10	5700	3	1	2	S	U		
																								SEI41-101							

H  
G  
F  
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A

FOR NOTES AND PARTS LIST SEE SHEET 1



<b>UT-BATTELLE</b>		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							
MOD COIL WINDING FORM ASSEMBLY TYPE-A							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
3	X-10	5700	3	2	S	U	
RELEASE LEVEL		SEI41-101					
Fabrication		1					

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