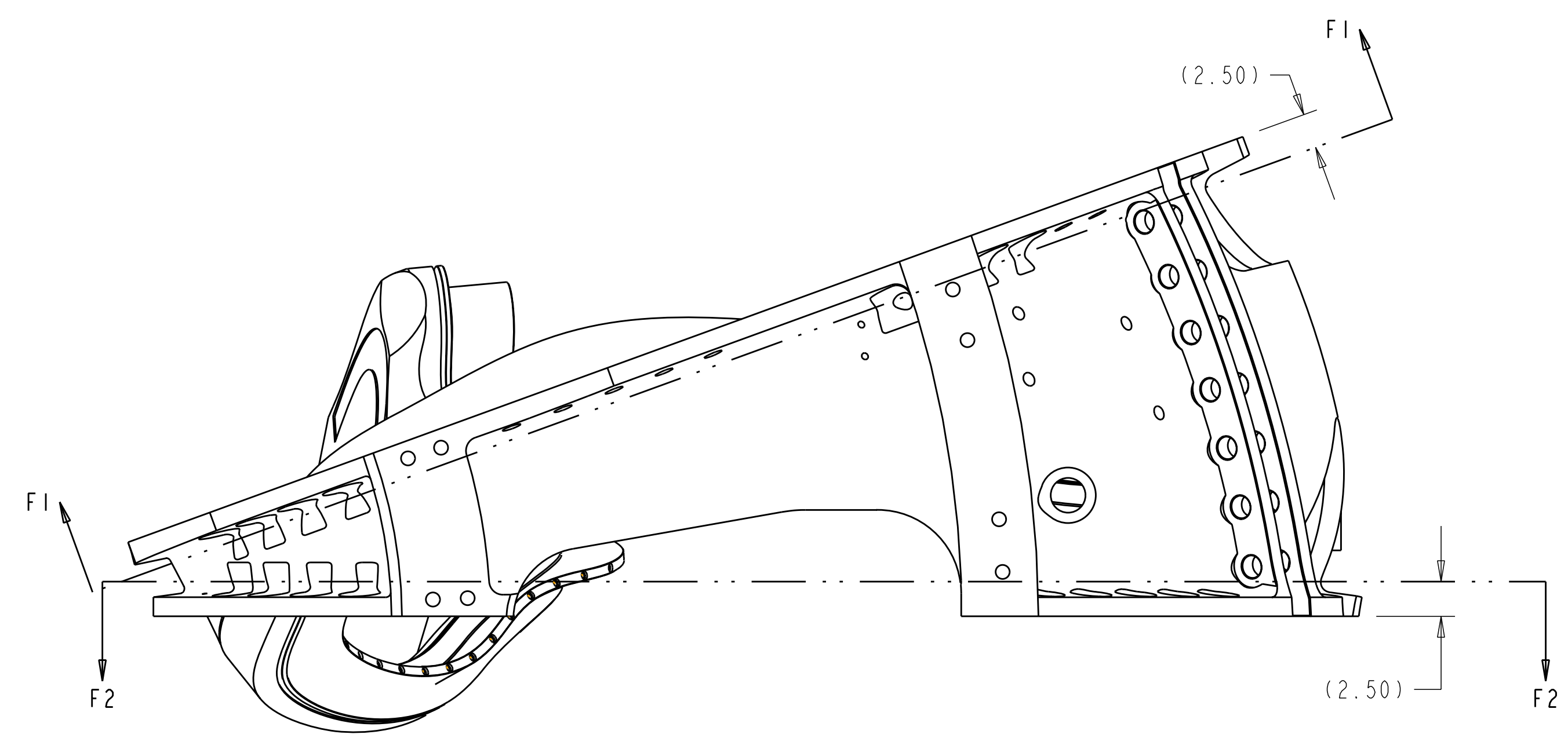
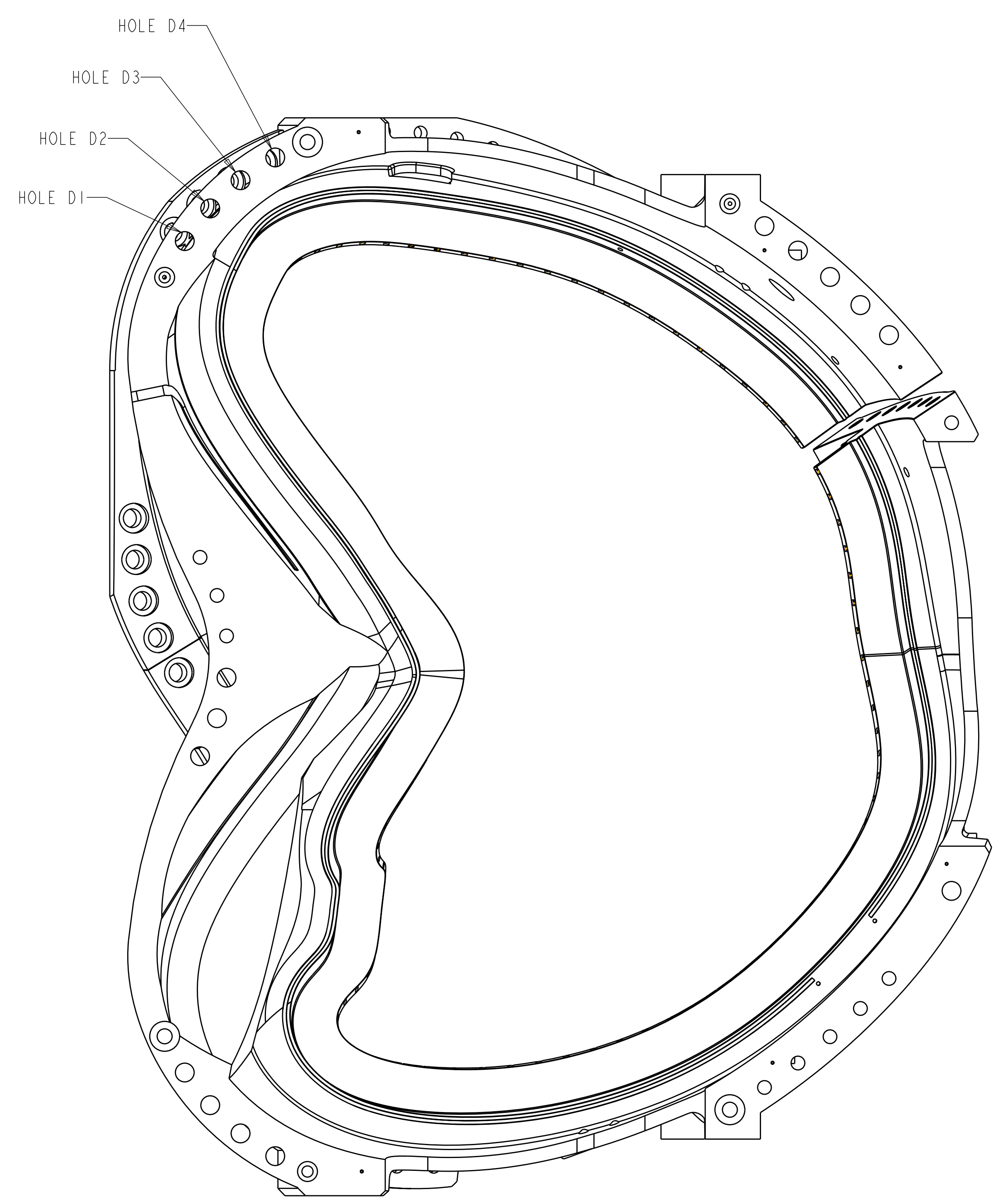


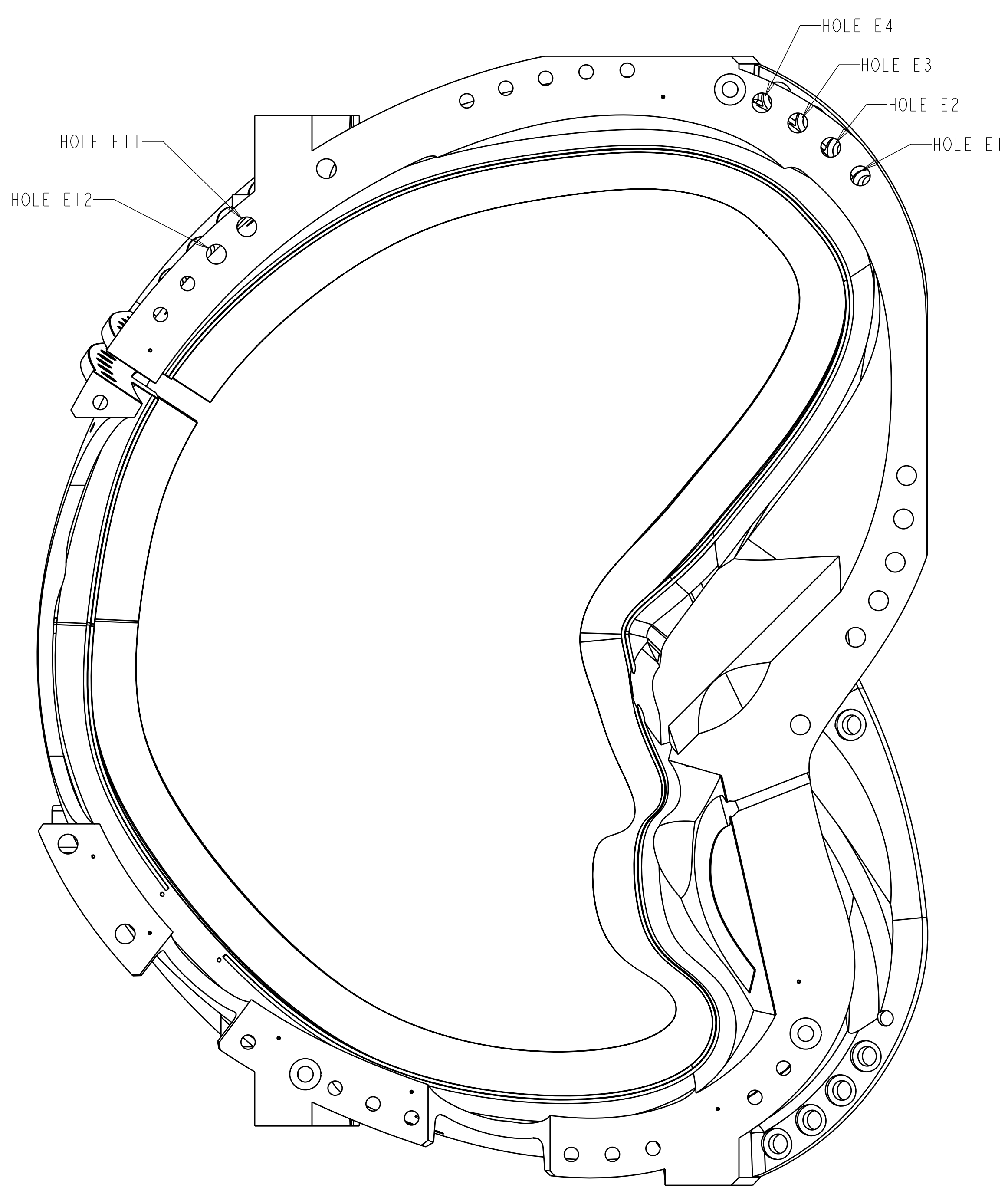
- NOTES
1. DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.100-2004.
 2. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.
 3. DIMENSIONS ARE IN INCHES
 4. MINIMIZE MATERIAL REMOVAL FOR 8 HOLE LOCATIONS SHOWN TO PROVIDE CLEARANCE FOR HEX NUT (SEE DRAWING SEI41-114-A1). CLEARANCE IS DEFINED AS PLACING A $\phi 3.00$ " X 2.63" LONG CYLINDER AT EACH $\phi 3.00$ " SPOT FACE. THE CYLINDER SHALL NOT INTERFERE WITH THE WINDING FORM.
 5. THIS DRAWING DEFINES THE "AS-BUILT" TYPE "A" WINDING FORM WHICH IS CALLED SEI41-114-A1.
 6. GRIND SHELL AS REQUIRED TO ALLOW INSTALLATION OF THE HEX NUT AND/OR SUPERNUT (SEE DRAWING SEI41-114-A1). ENGINEERING APPROVAL REQUIRED IF SHELL THICKNESS IS LESS THAN 1" AS A RESULT OF GRINDING.



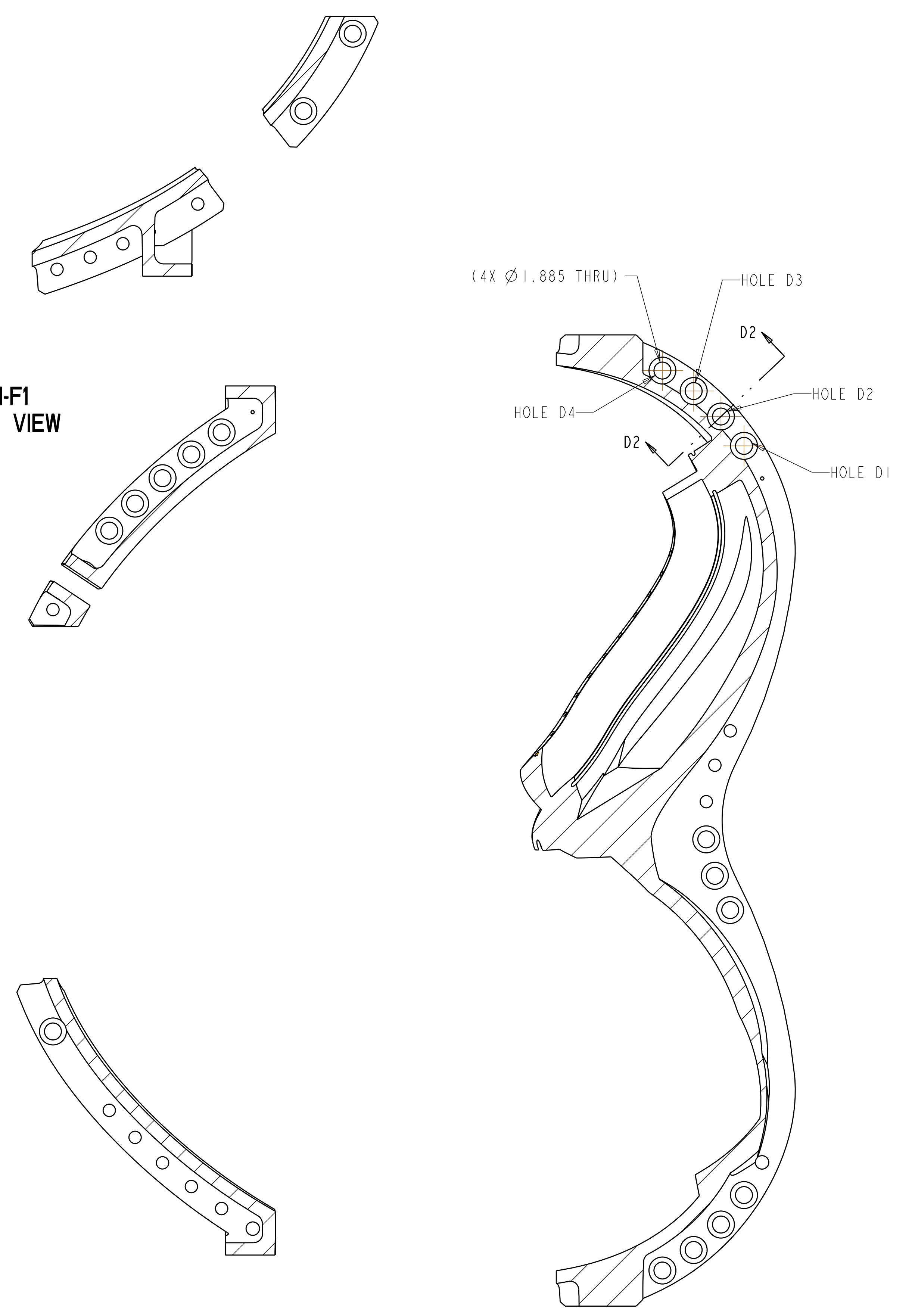
SECTION F1-F1
A-B FLANGE VIEW



A-A FLANGE VIEW
SCALE .125



A-B FLANGE VIEW
SCALE .125



SECTION F2-F2
A-A FLANGE VIEW

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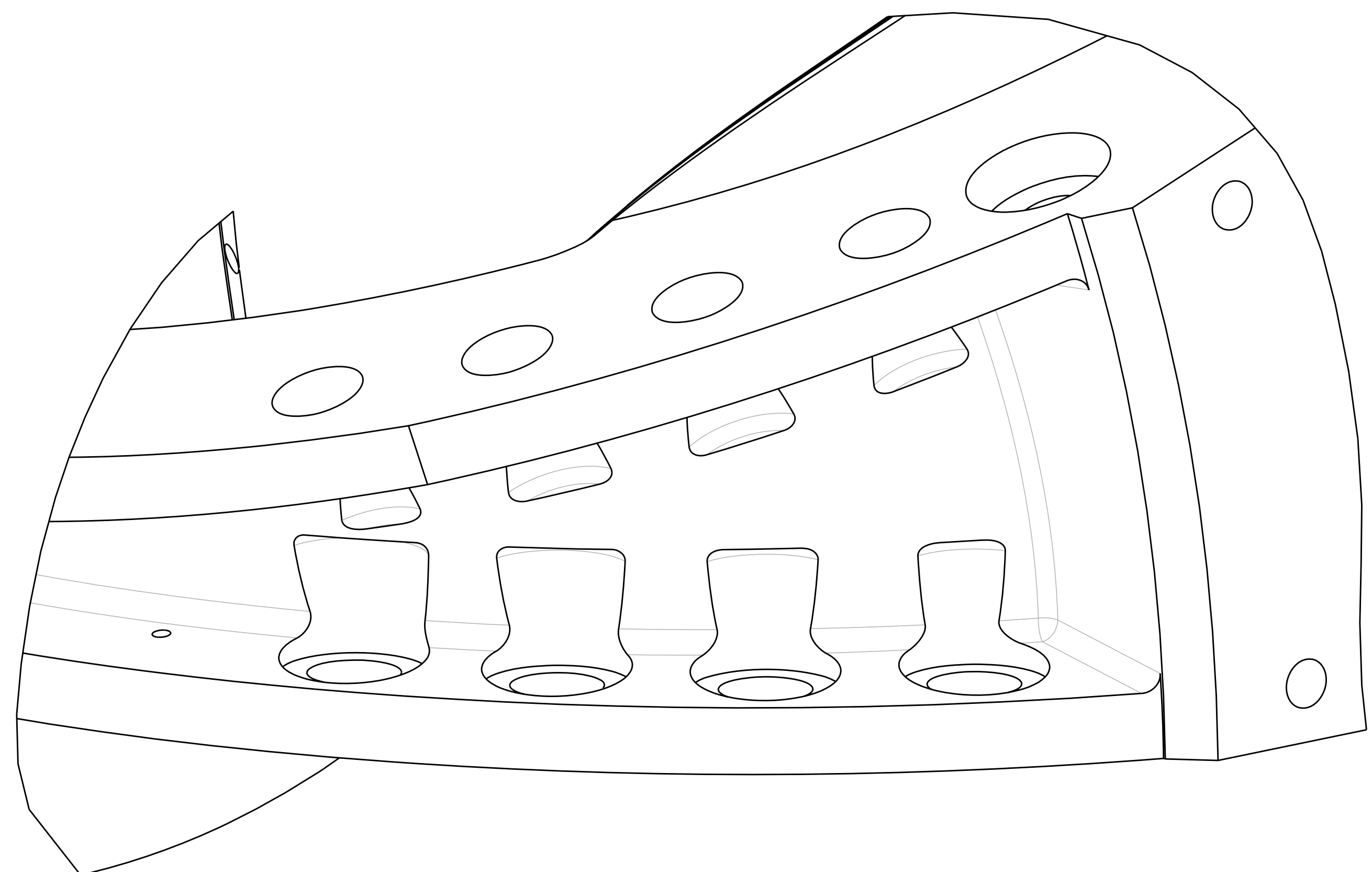
HOLE NUMBER IDENTIFICATION IS DEFINED
IN DRAWING SEI41-114.DRW

P THIS DRAWING PRODUCED
ON PRO-ENGINEER

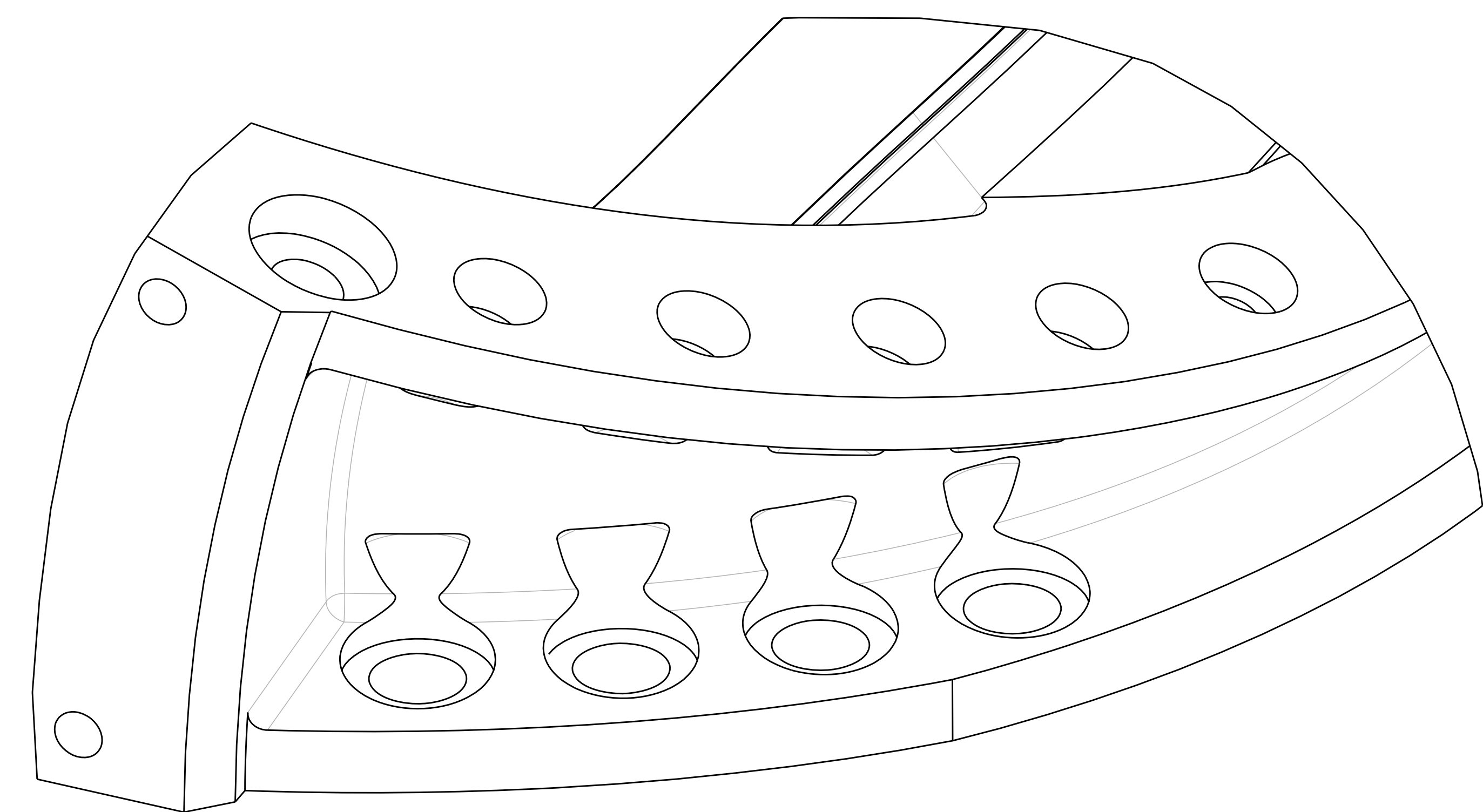
NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE 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 BIDDERS ARE NOT TO BE USED FOR OTHER PURPOSES, AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE	
0	ORIGINAL ISSUE	GM	06/07										
REVISION OR ISSUE PURPOSE		REVISION APPROVAL											

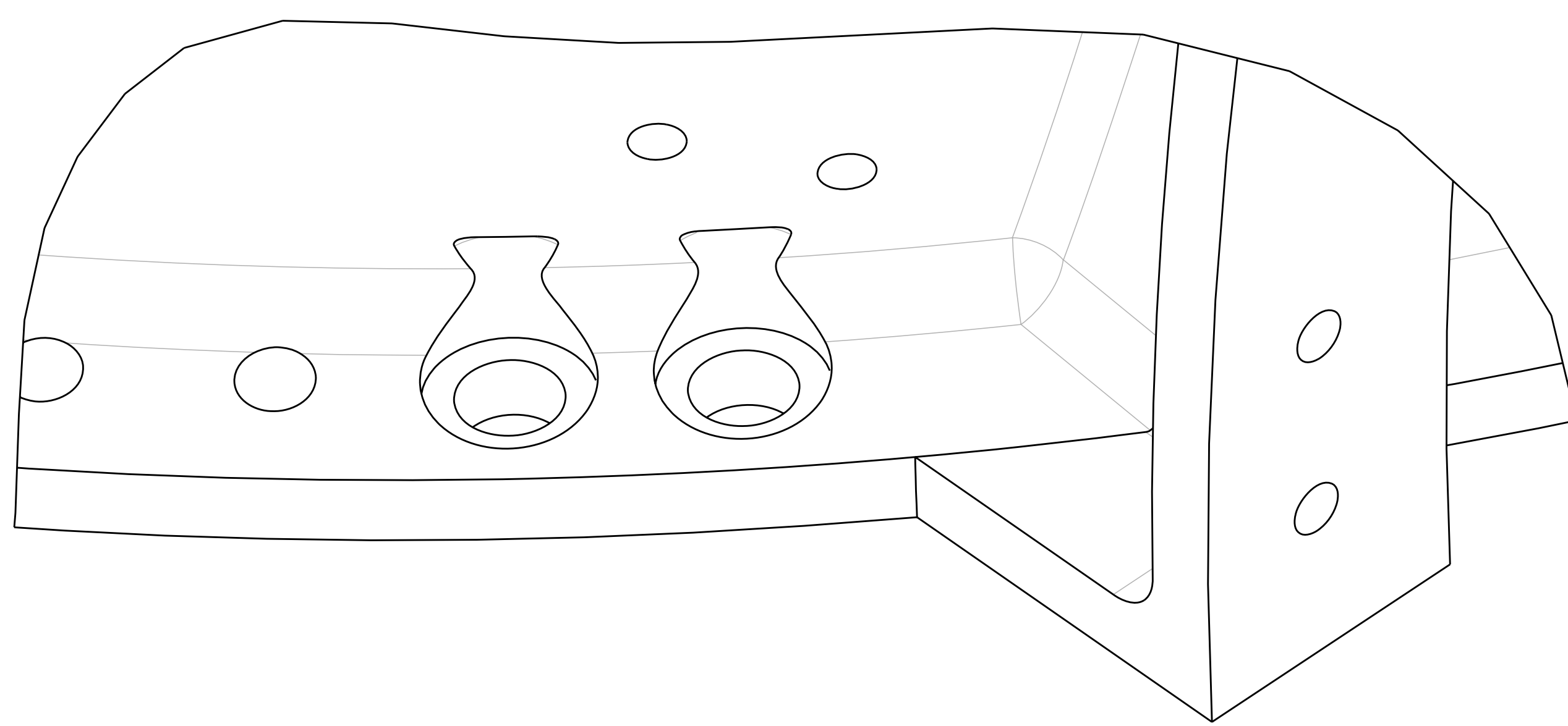
SCALE NOTED	DES: D WILLIAMSON 06/07	Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725 UT-BATTELLE, LLC., Oak Ridge, Tennessee	
TOLERANCES UNLESS OTHERWISE SPECIFIED	DRW: G MCGINNIS 06/07	UT-BATTELLE	
FRACTIONS	CHK: M COLE 06/07	PROJECT NAME: NATIONAL COMPACT STELLARATOR EXPERIMENT	
XX DECIMALS ± .01	SECT: :	TYPE "A1" MODULAR COIL SUPER NUT CLEARANCE	
XXX DECIMALS ± .005	DEPT: :	VERSION NO.:	PLANT ORNL
ANGLES ± 0°15'	CR: :	BLDG:	FL: 5700
BREAK SHARP EDGES .06 MAX	PJ: :	ISHT OF:	3
FINISH .125 UNLESS OTHERWISE SPECIFIED	RED: :	TYPE:	2
	PPPL DRFT J SIEGEL 06/07	CLASS:	S
		REVISION:	U
	DRAWING APPROVALS	DATE:	REV 0



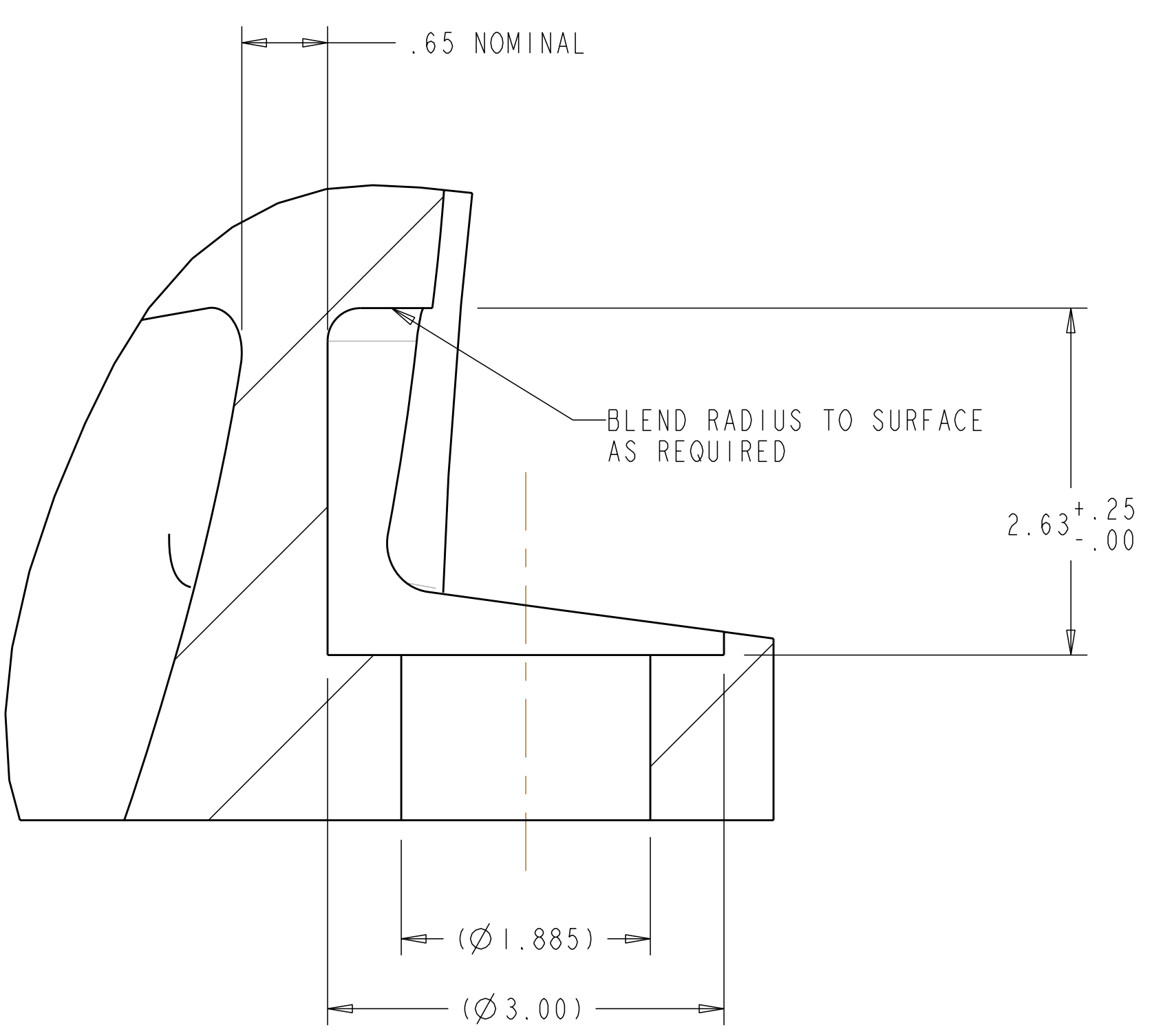
ISOMETRIC VIEW - HOLES D1 THRU D4
SCALE 0.500



ISOMETRIC VIEW - HOLES E1 THRU E4
SCALE 0.500

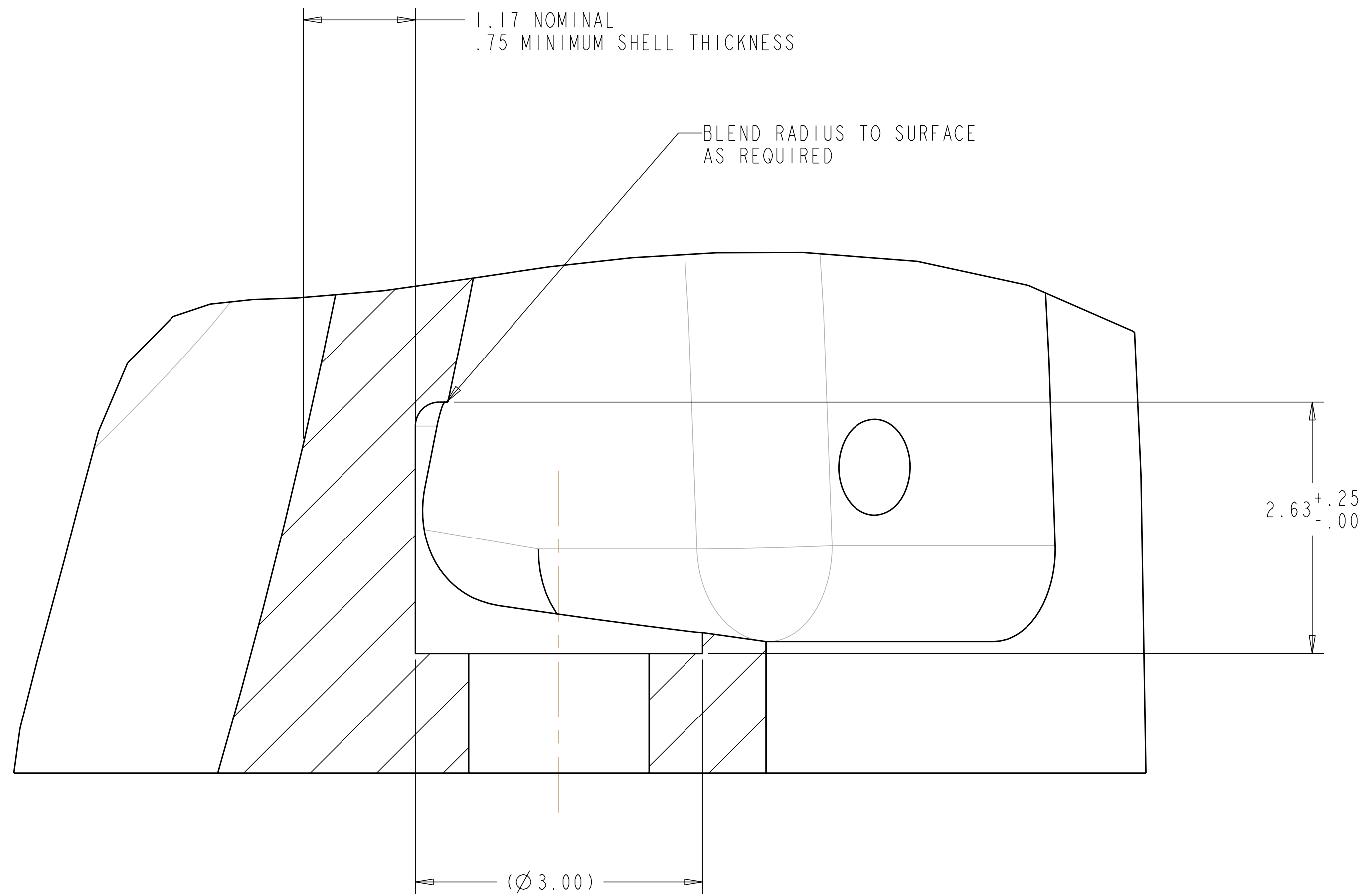


ISOMETRIC VIEW - HOLES E11 AND E12
SCALE 0.500



SECTION D2-D2 AT HOLE D2
TYPICAL FOR HOLES D1 THRU D4 AND HOLES E1 THRU E2
SCALE 1.000

SEE NOTE 4



SECTION E12-E12 AT HOLE E12
TYPICAL FOR HOLES E11 AND E12
SCALE 1.000

SEE NOTE 4

RELEASED FOR
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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							
NATIONAL COMPACT STELLARATOR EXPERIMENT							
TYPE "A1" MODULAR COIL SUPER NUT CLEARANCE							
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
1	ORNL	5700	3	2	2	S	U
RELEASE LEVEL		REV					
Fabrication		SEI41-114-AIG 0					

H
G
F
E
D
C
B
A