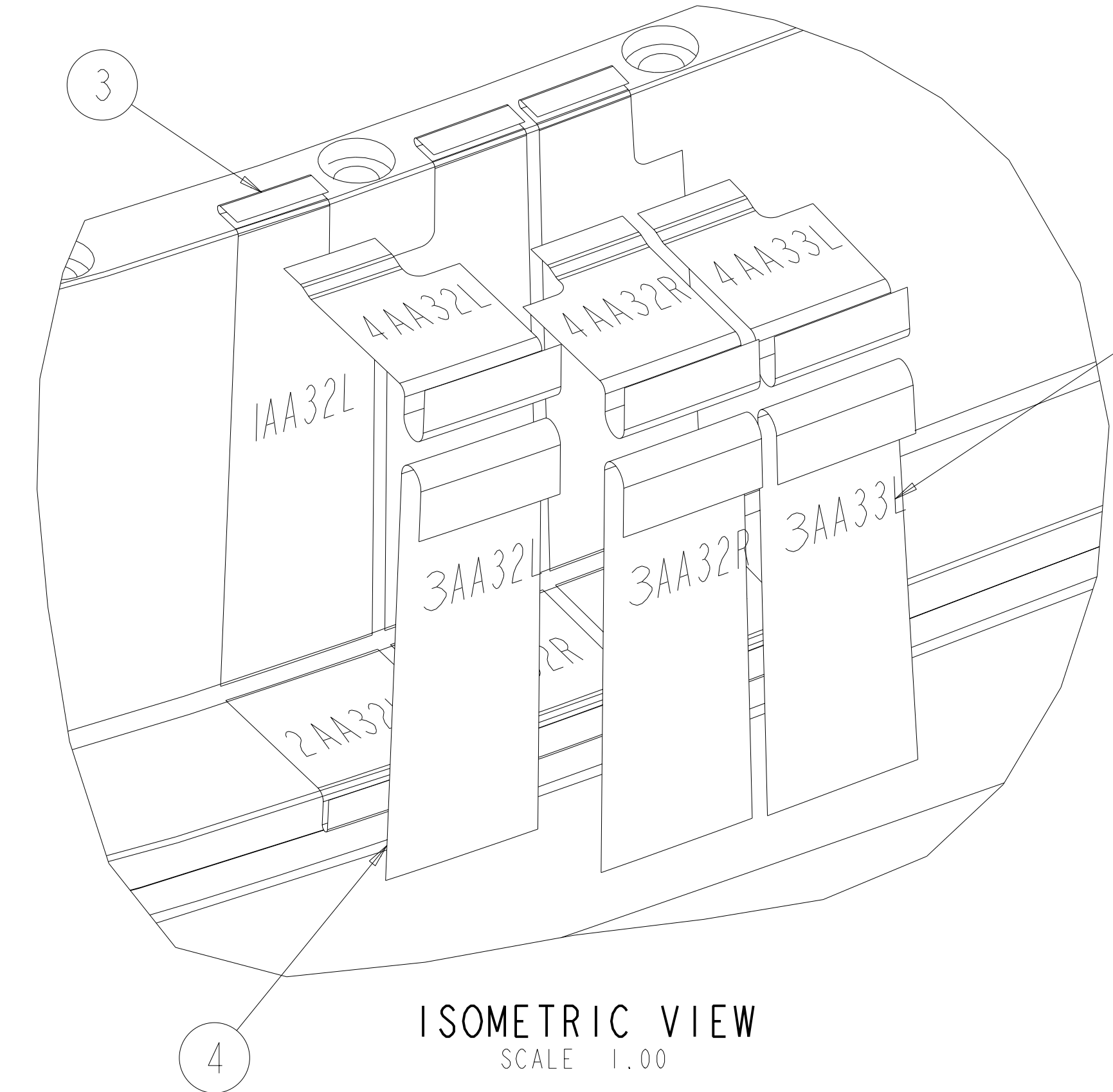
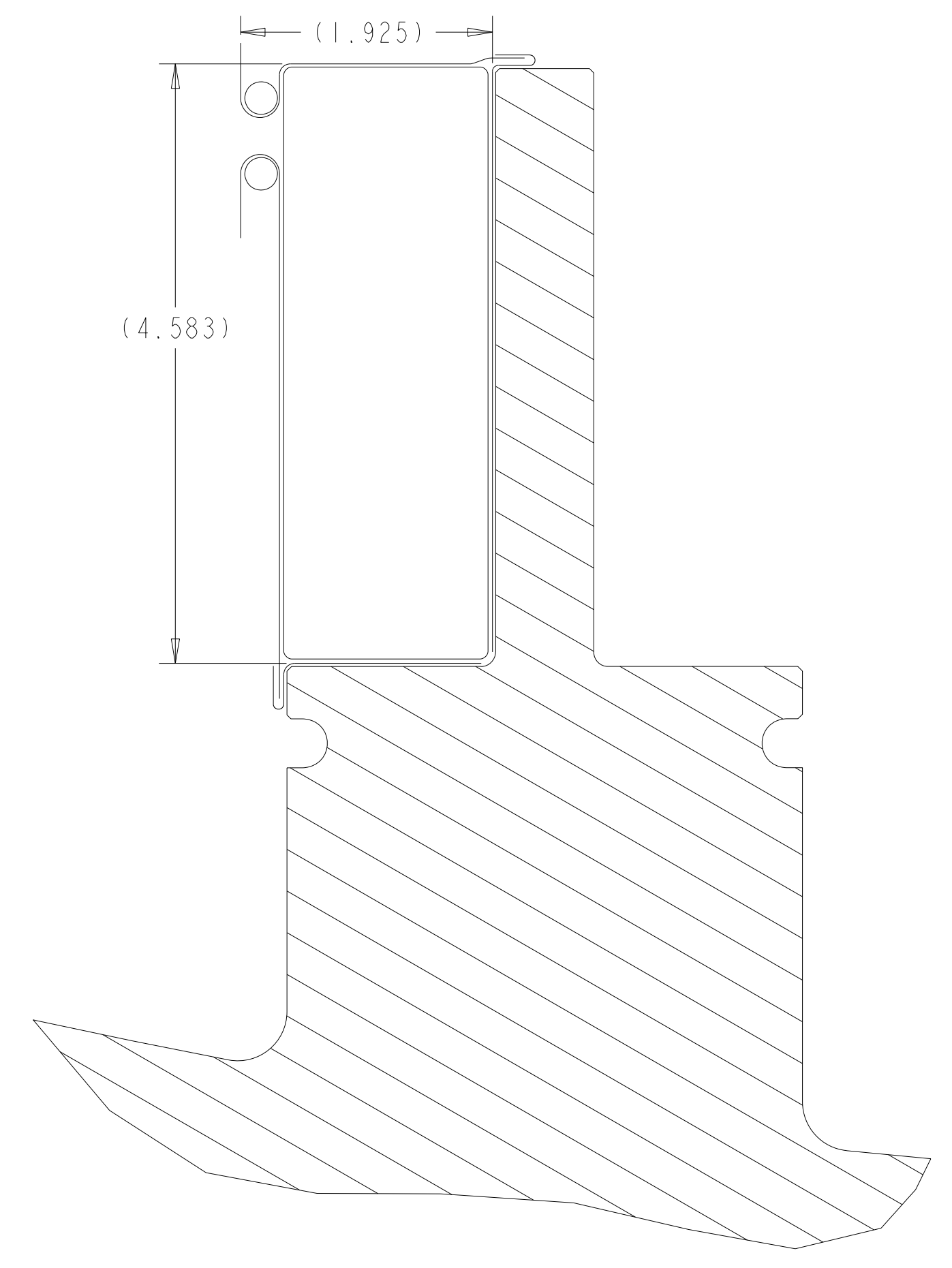
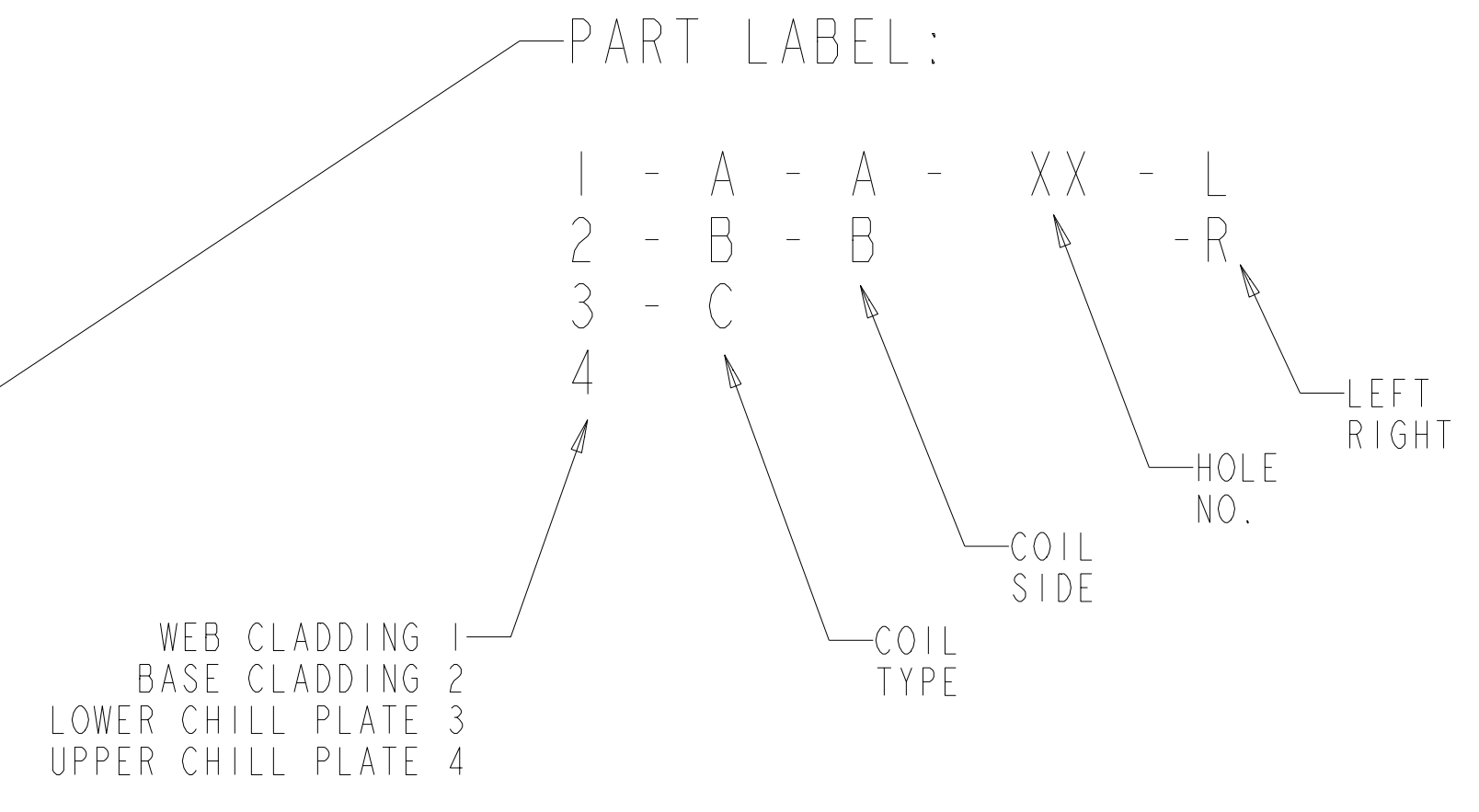


1 TYPE-A SIDE-A ASM
 SCALE 0.25

- NOTES:
- DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.100-2000.
 - INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.
 - DIMENSIONS ARE IN INCHES.
 - DRAWING DEPICTS FLAT PATTERN OF FORMED PARTS DEFINED BY PRO/E MODELS SE142A-255.PRT AND SE142A-257.PRT.
 - PROFILE TOLERANCE OF FLAT PATTERN IS +/- .010 IN.
 - THICKNESS IS 0.040 +/- .006 IN. PER ASTM B248.
 - REMOVE ALL BURRS AND SHARP EDGES.
 - IDENTIFY PARTS WITH LABEL SHOWN BY ETCHING OR PERMANENT MARKER.
 - PART INDICATED TO BE NEMA GRADE G1ICR MATERIAL.



ISOMETRIC VIEW
 SCALE 1.00



TYPICAL SECTION
 SCALE 1.00

REV	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPECIFICATION	FIND NO
6	378	SE142A-257	CHILL PLATES	COPPER, ANNEALED UNS C10100, C10200, C11000 ETP OR NEMA GRADE G1ICR (WHERE NOTED)	4
6	386	SE142A-255	CLADDING	COPPER, ANNEALED UNS C10100, C10200, C11000 ETP OR NEMA GRADE G1ICR (WHERE NOTED)	3
I		SE141-114-SIM		TYPE-A MODULAR COIL WINDING FORM	2
AR	X	-I		TYPE-A SIDE-A CLADDING AND CHILL PLATES	1
SE140-101					

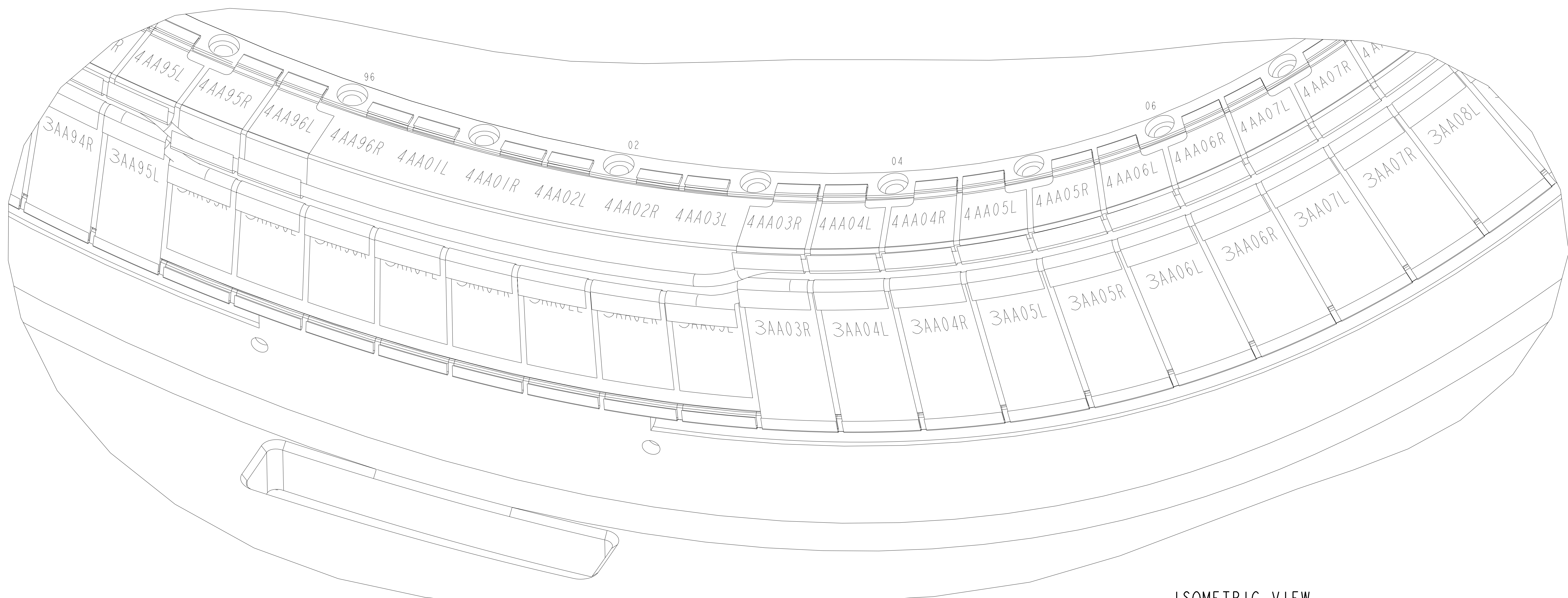
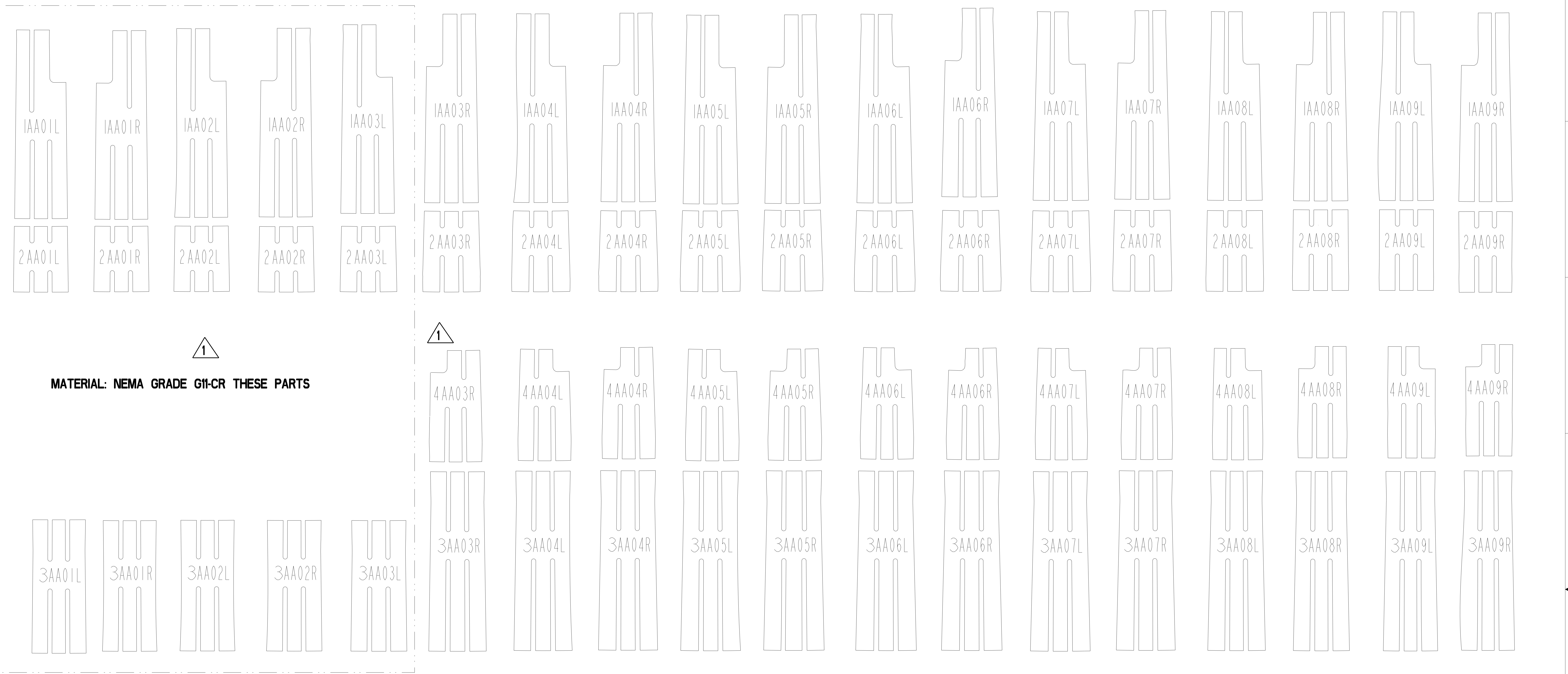
← NEXT ASSEMBLY

PARTS LIST

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

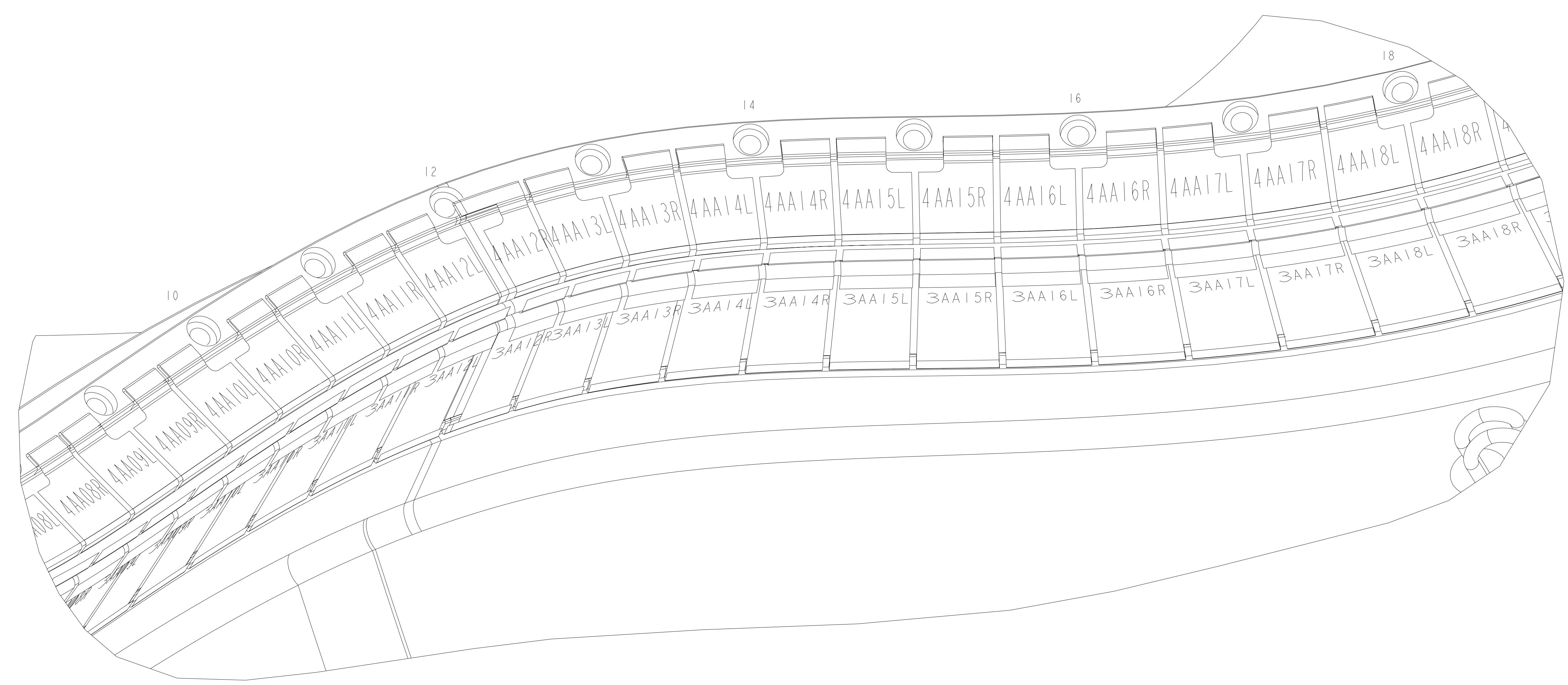
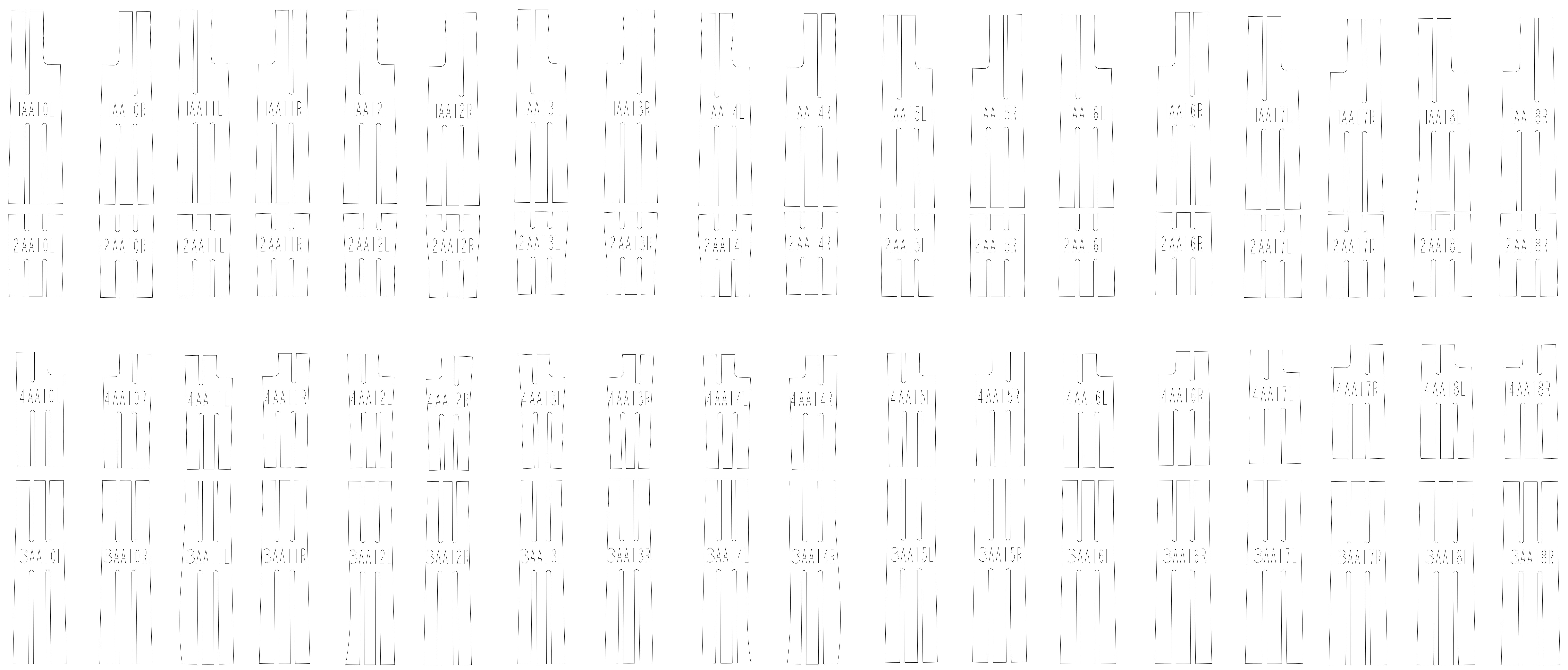
SCALE NOTED		DES. T. HARGROVE 02-06	UT-BATTELLE		Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725 UT-BATTELLE, LLC, Oak Ridge, Tennessee	
TOLERANCES UNLESS OTHERWISE SPECIFIED		DRW. D. WILLIAMSON 02-06	NATIONAL COMPACT STELLARATOR EXPERIMENT		PROJECT NAME	
FRACTIONS : ±.01		CHK. M. COLE 02-06	MODULAR COIL TYPE-A		RELEASE LEVEL	
XX DECIMALS ±.01		PE. D. WILLIAMSON 02-06	SIDE-A CLADDING AND CHILL PLATES		SE142A-252	
XXX DECIMALS ±.005		CR. : :	FLAT PATTERN LAYOUT		REV 1	
ANGLES ±0°15'		PJ. : :	PPPL DRFTJ. SIEGEL 02-06		VERSION NO. 8+	
BREAK SHARP EDGES .06 MAX		REQ. : :	PLANT X-10		BLDG 5700	
FINISH .125 UNLESS OTHERWISE SPECIFIED		REV. : :	FL 3		SHT 1	
		FIN. : :	TYPE 12		CLASS S	
		DATE : :	REV U		DATE	
		DATE : :				



ISOMETRIC VIEW
 SCALE 1:00

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					
PROJECT NAME							
NATIONAL COMPACT STELLARATOR EXPERIMENT							
MODULAR COIL TYPE-A							
SIDE-A CLADDING AND CHILL PLATES							
FLAT PATTERN LAYOUT							
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	
8+	X-10	5700	3	2	12	S	
RELEASE LEVEL		CLASS					
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SE142A-252							

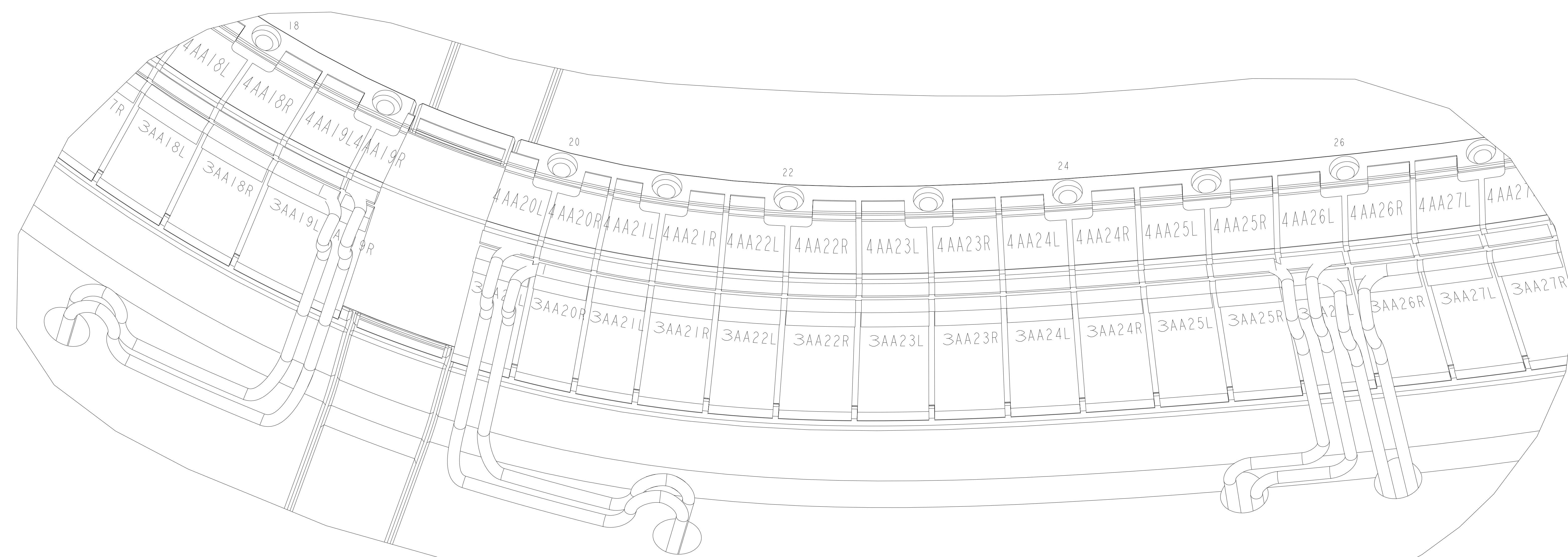
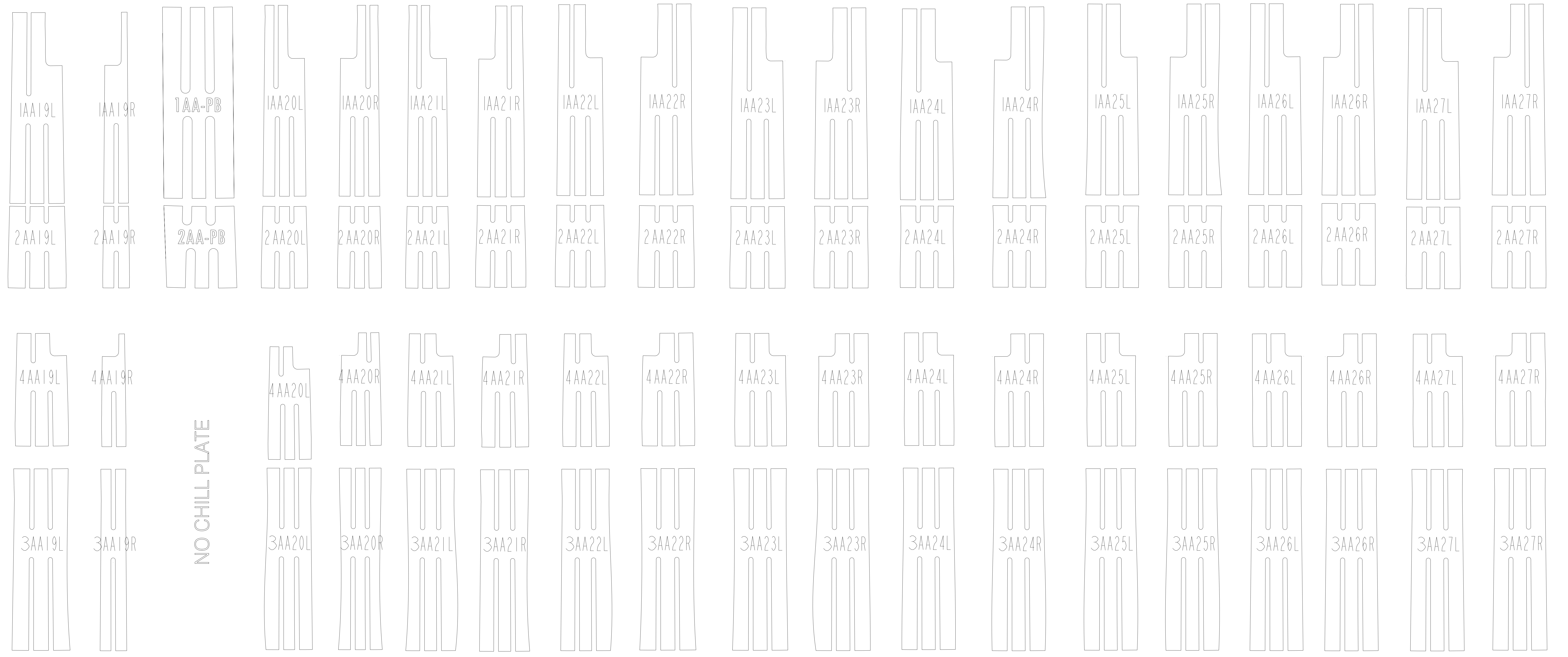
SE142A-252



ISOMETRIC VIEW
SCALE 1.00

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 MODULAR COIL TYPE-A SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
8+	X-10	5700	3	3	12	S	U
RELEASE LEVEL	SEI42A-252						REV
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ISOMETRIC VIEW
SCALE 1.00

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					
PROJECT NAME							
NATIONAL COMPACT STELLARATOR EXPERIMENT							
MODULAR COIL TYPE-A							
SIDE-A CLADDING AND CHILL PLATES							
FLAT PATTERN LAYOUT							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
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RELEASE LEVEL		WIP					
SE142A-252							
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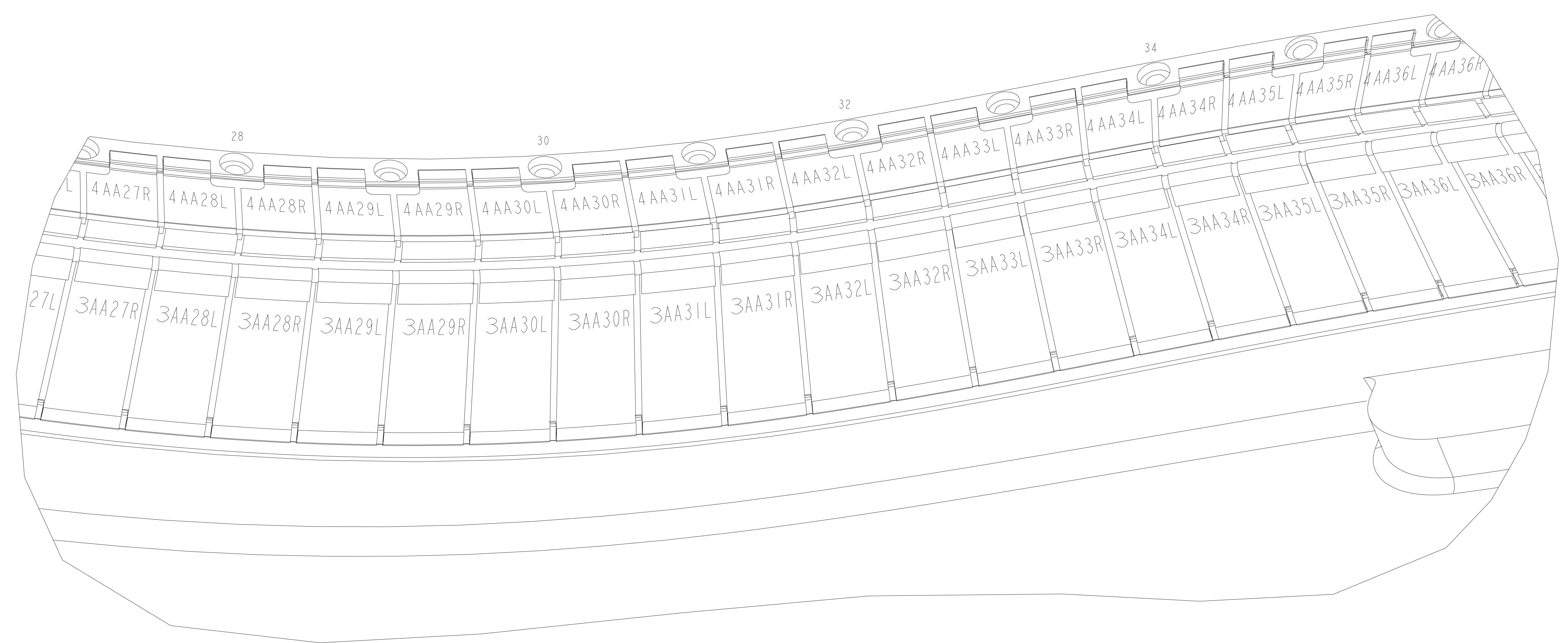
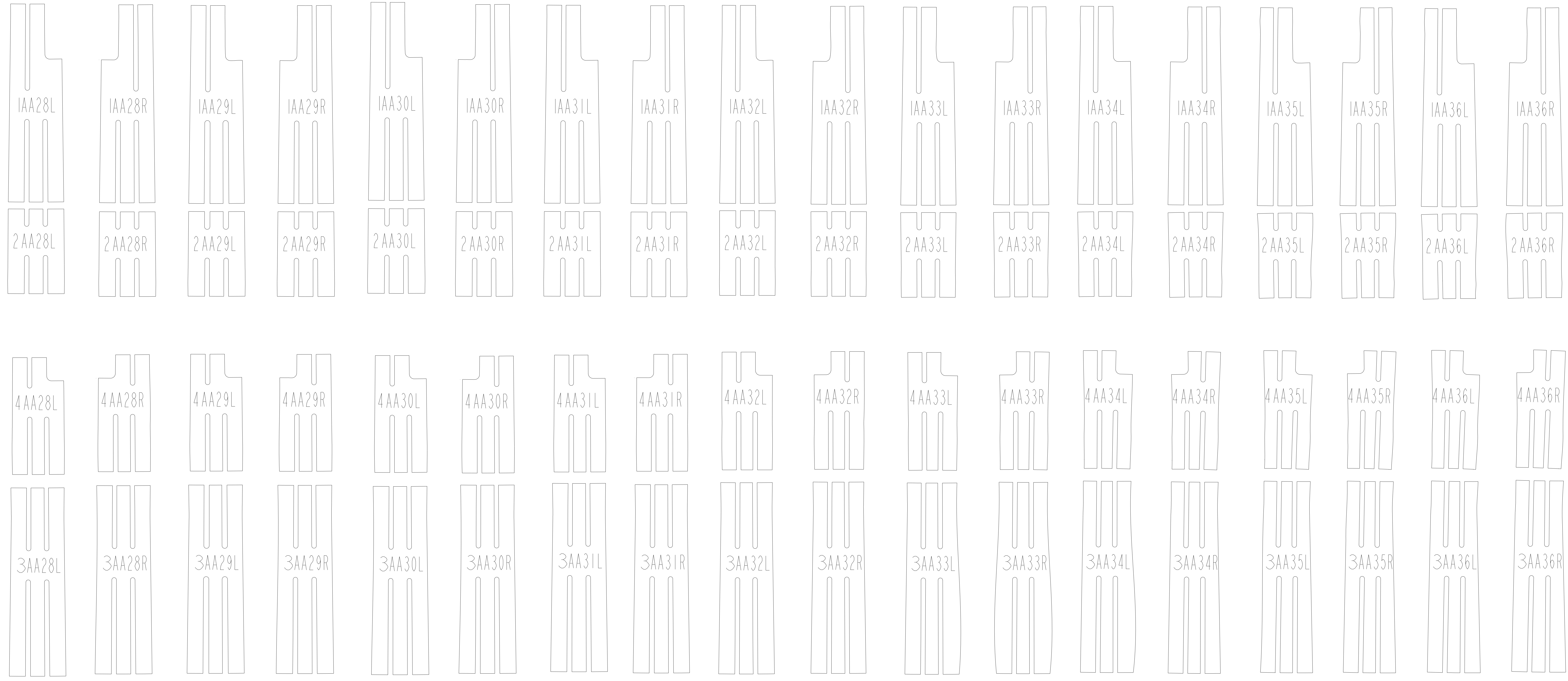
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NEXT ASS'Y: 1 FINAL ASS'Y:



ISOMETRIC VIEW
SCALE 1.00

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 MODULAR COIL TYPE-A SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT						
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS
8+	X-10	5700	3	5	12	S
RELEASE LEVEL		SEI42A-252				
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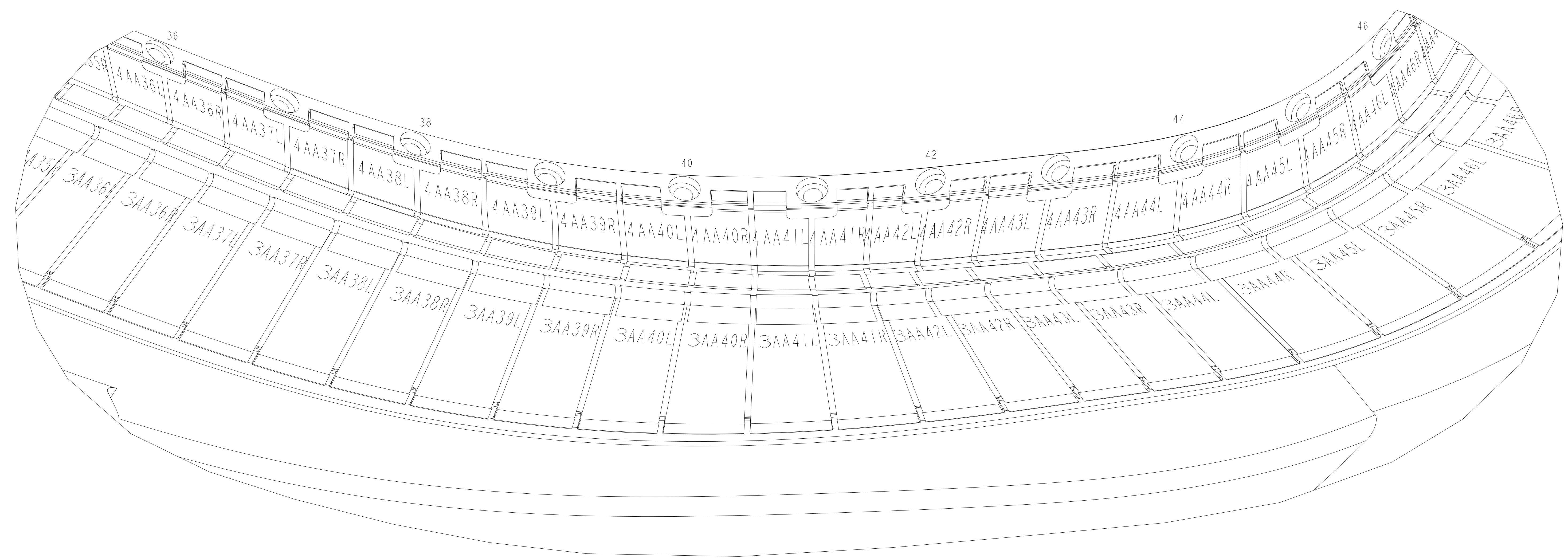
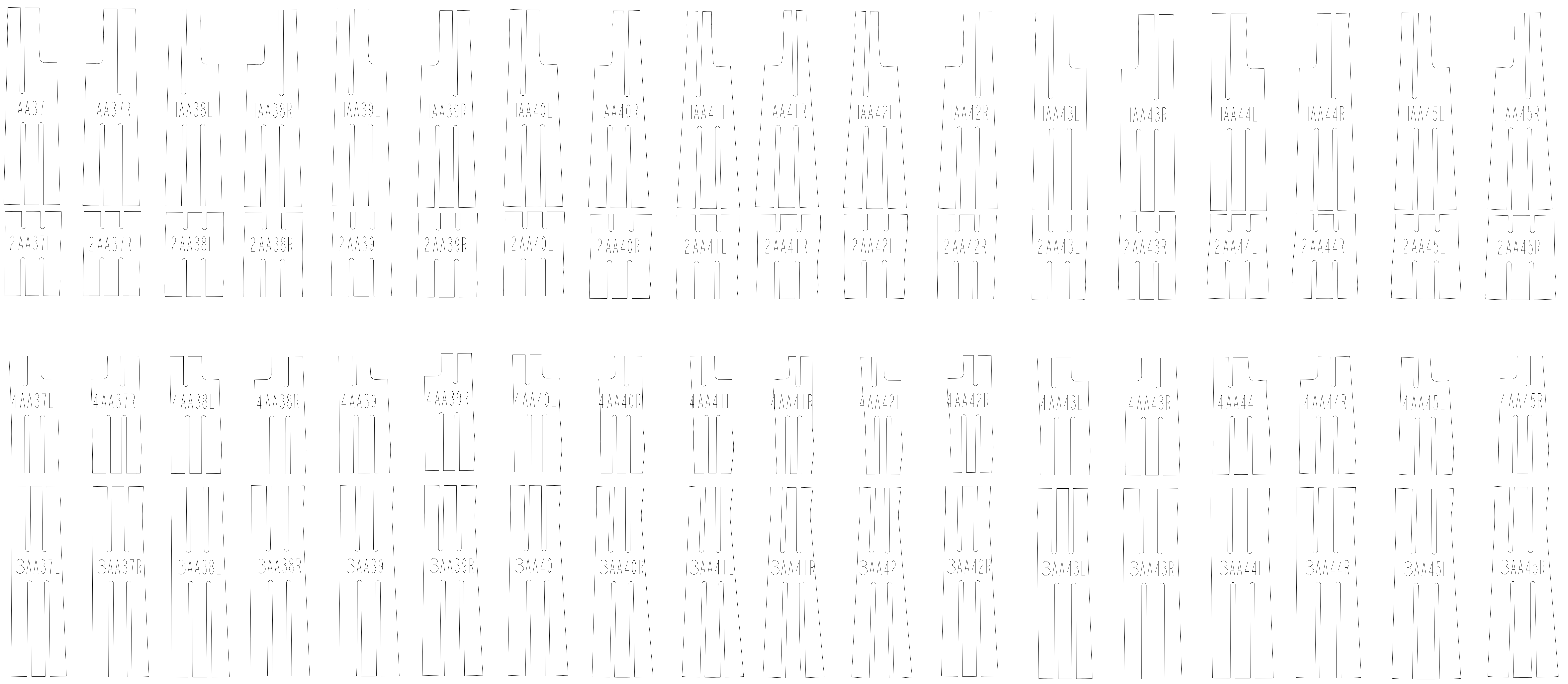
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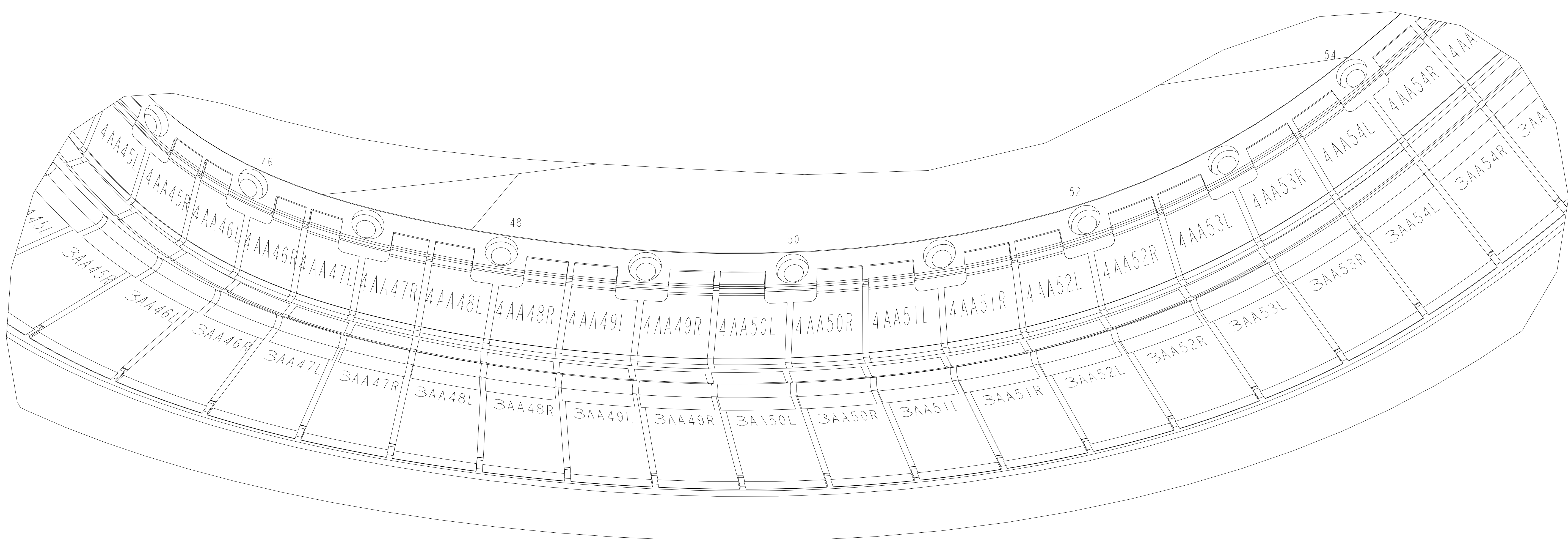
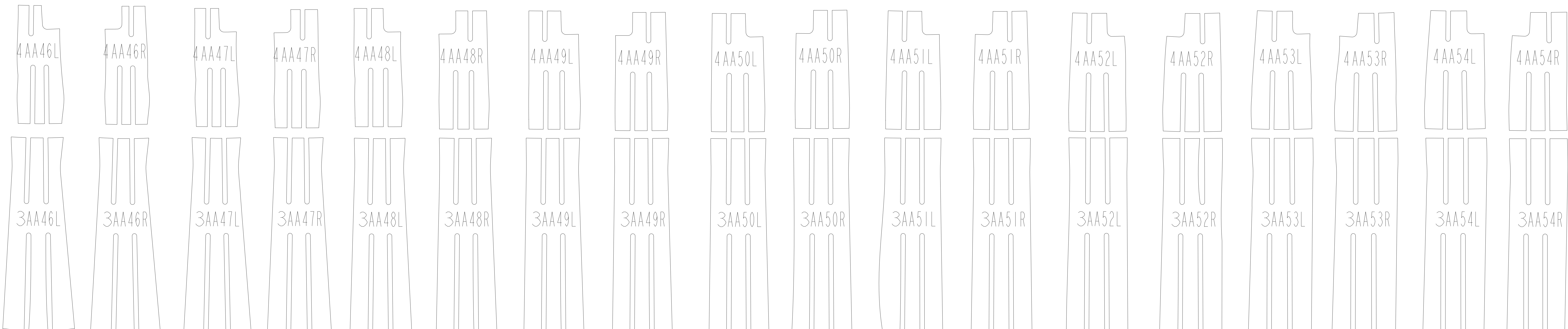
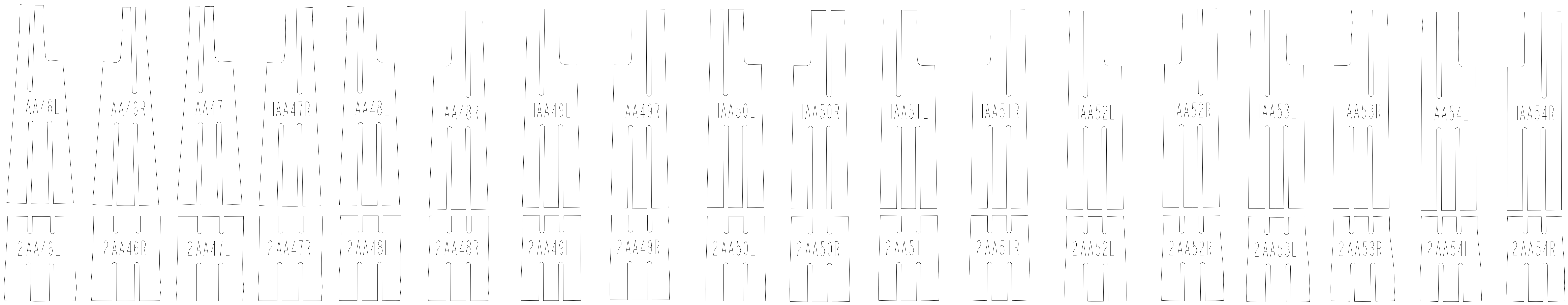
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ISOMETRIC VIEW
SCALE 1.00

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 MODULAR COIL TYPE-A SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
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RELEASE LEVEL	SEI42A-252						
WIP							

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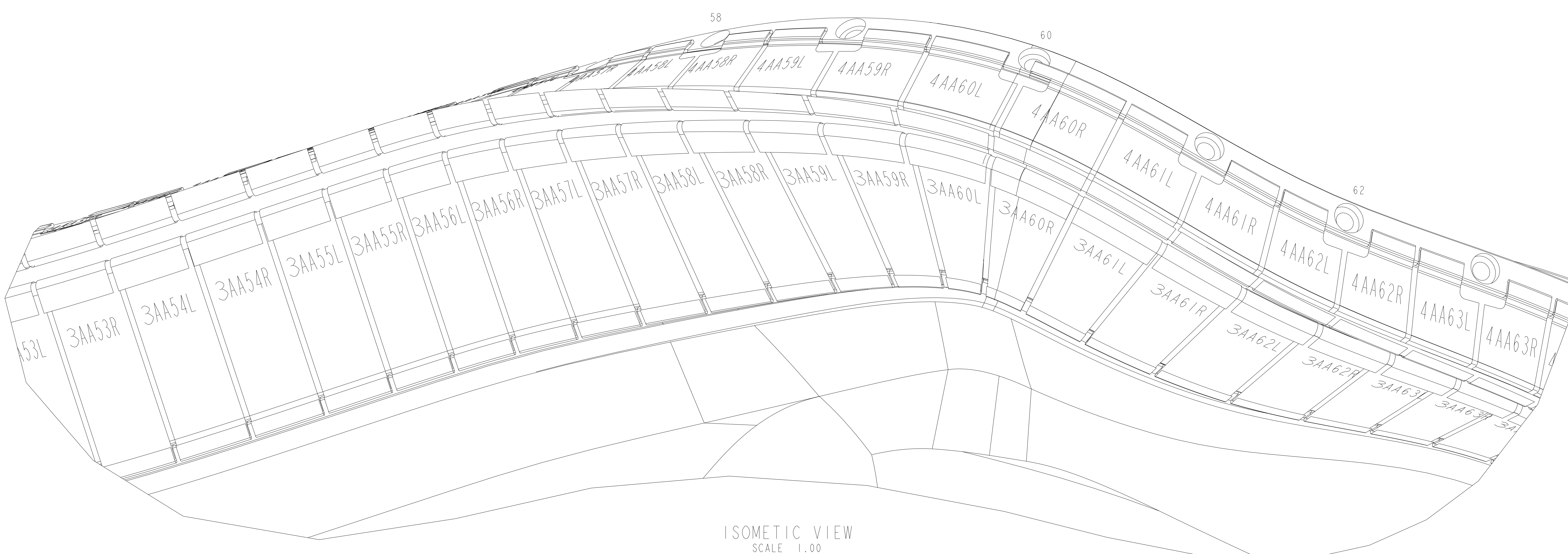
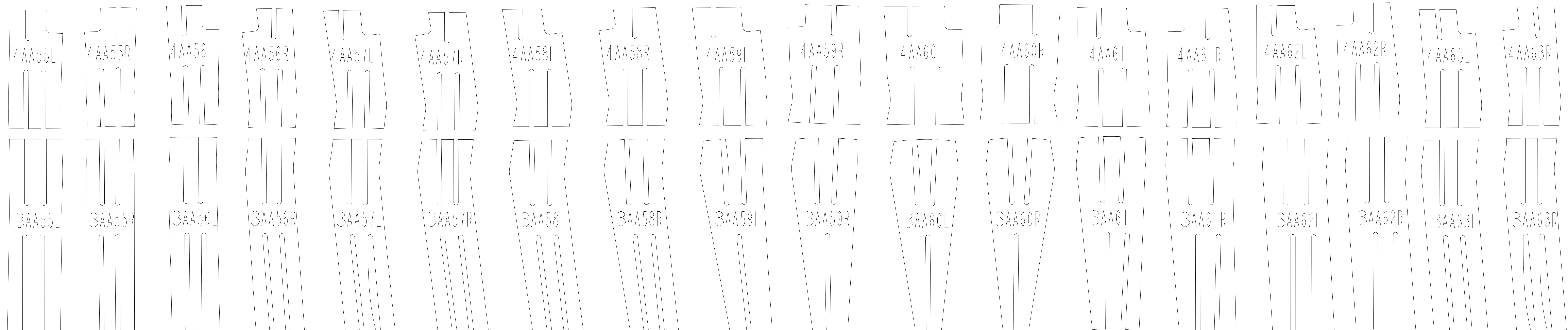
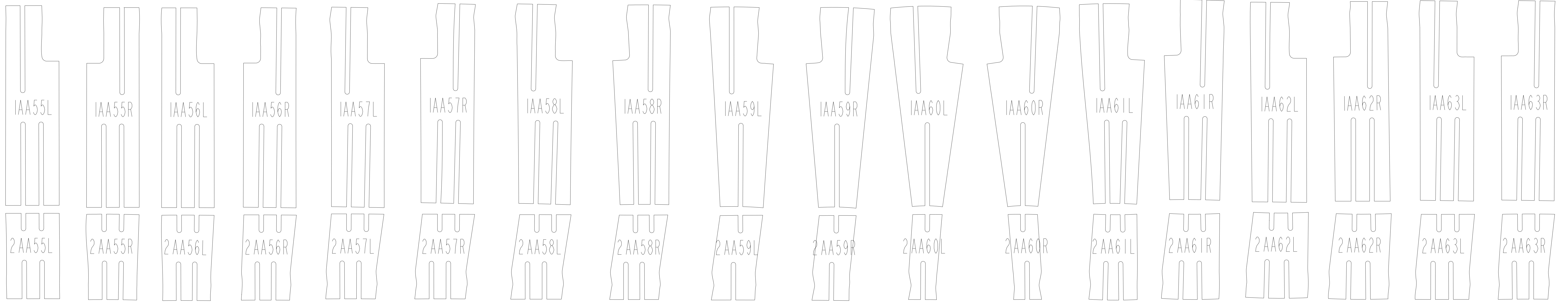


ISOMETRIC VIEW
 SCALE 1.00

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					
PROJECT NAME							
NATIONAL COMPACT STELLARATOR EXPERIMENT							
MODULAR COIL TYPE-A							
SIDE-A CLADDING AND CHILL PLATES							
FLAT PATTERN LAYOUT							
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	
8+	X-10	5700	3	7	12	S	
RELEASE LEVEL		WIP					
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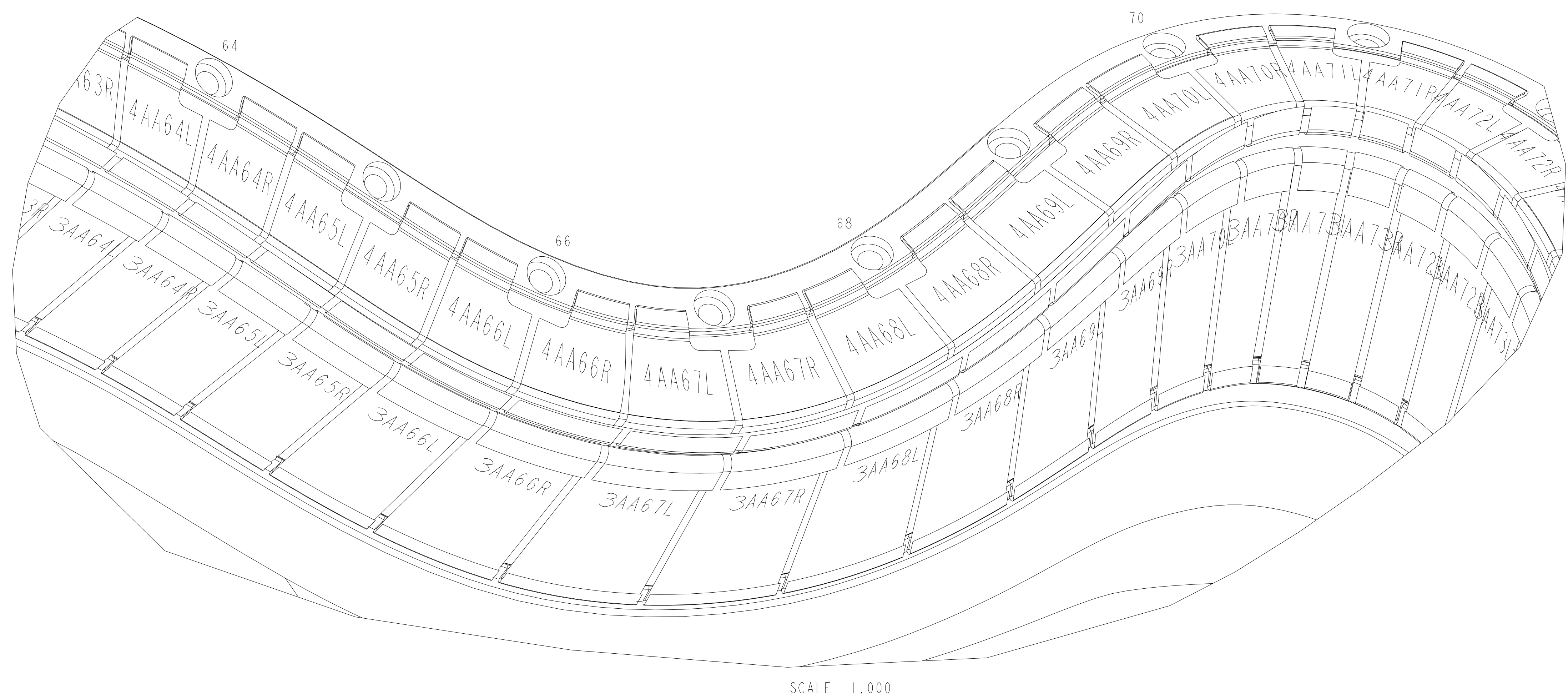
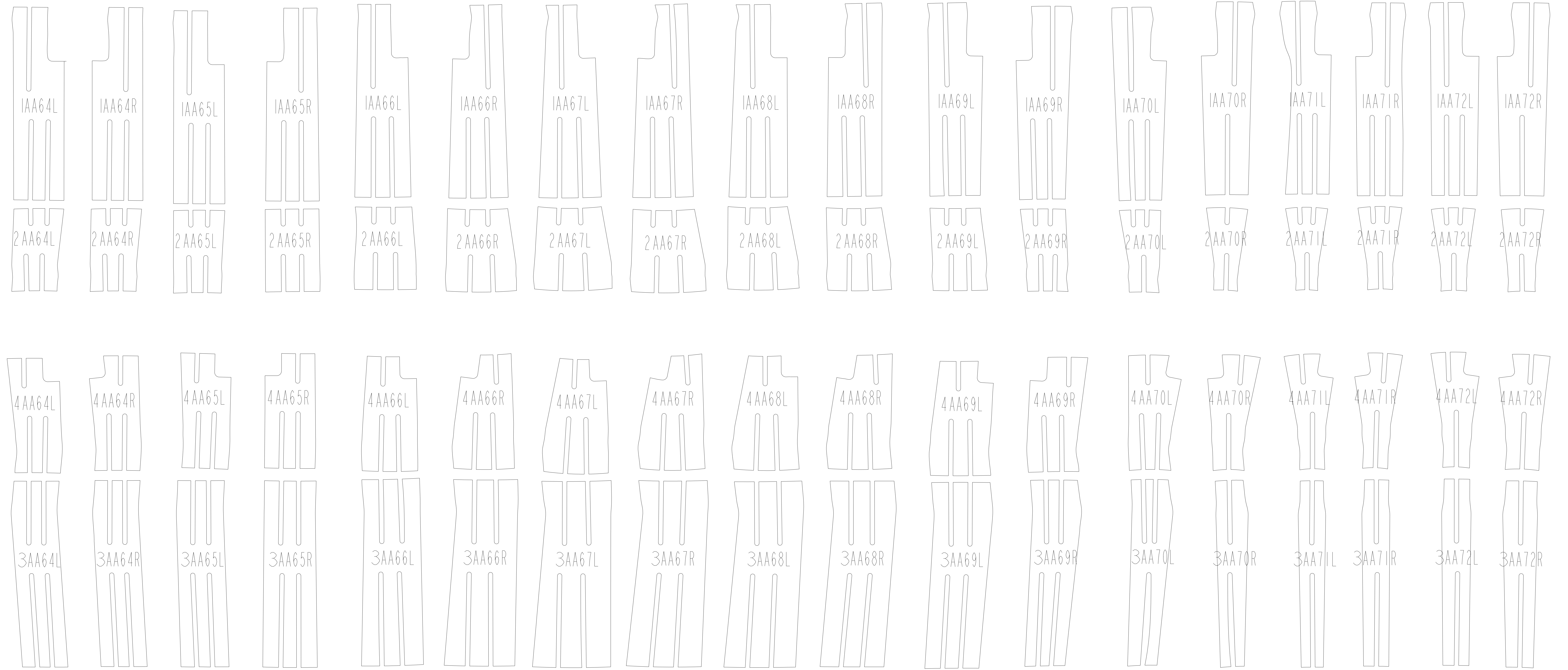
SE142A-252



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 MODULAR COIL TYPE-A SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT						
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE
8+	X-10	5700	3	8	12	S
RELEASE LEVEL	WIP SEI42A-252					
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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:							
NATIONAL COMPACT STELLARATOR EXPERIMENT MODULAR COIL TYPE-A SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT							
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
8+	X-10	5700	3	9	12	S	U
RELEASE LEVEL	WIP SEI42A-252						

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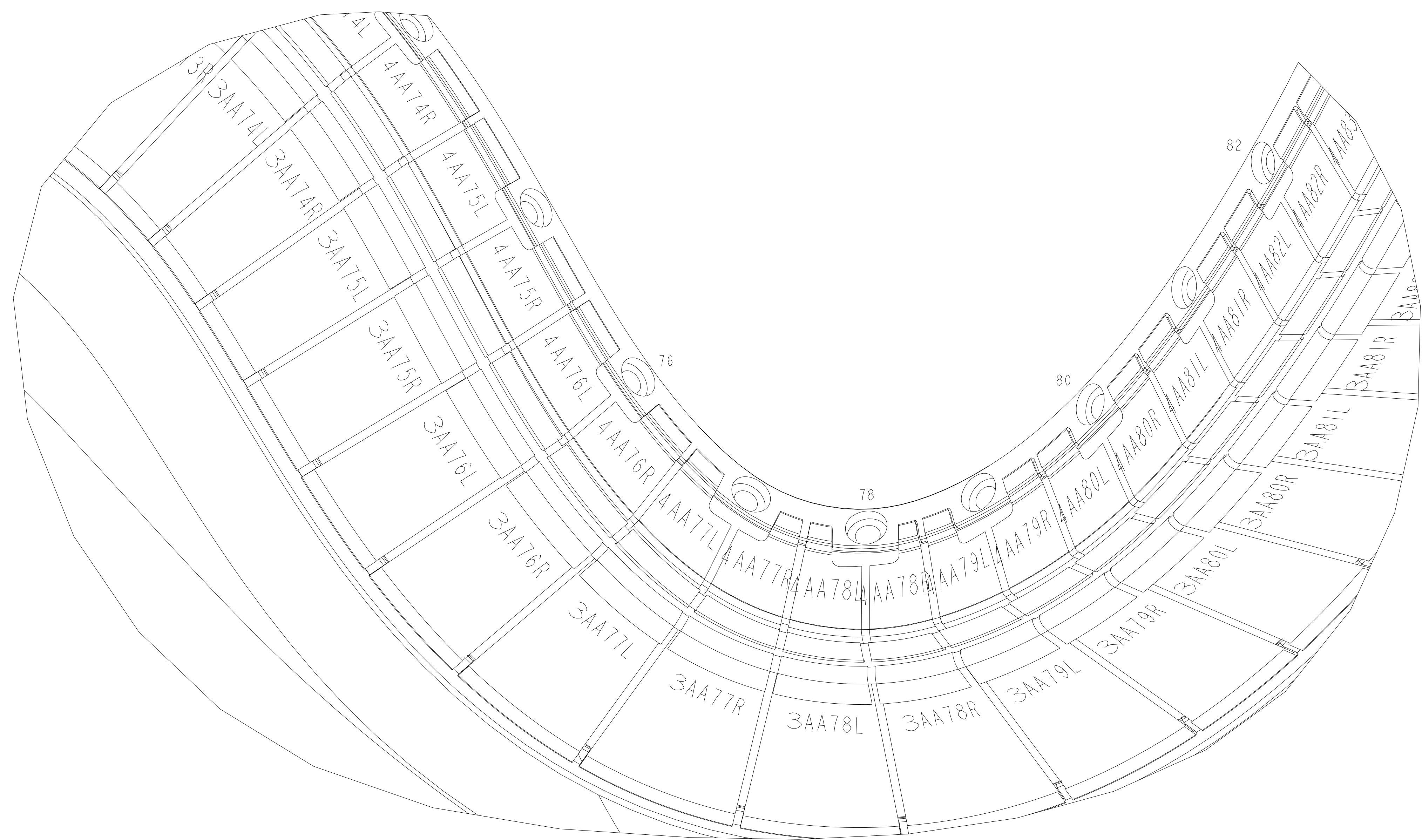
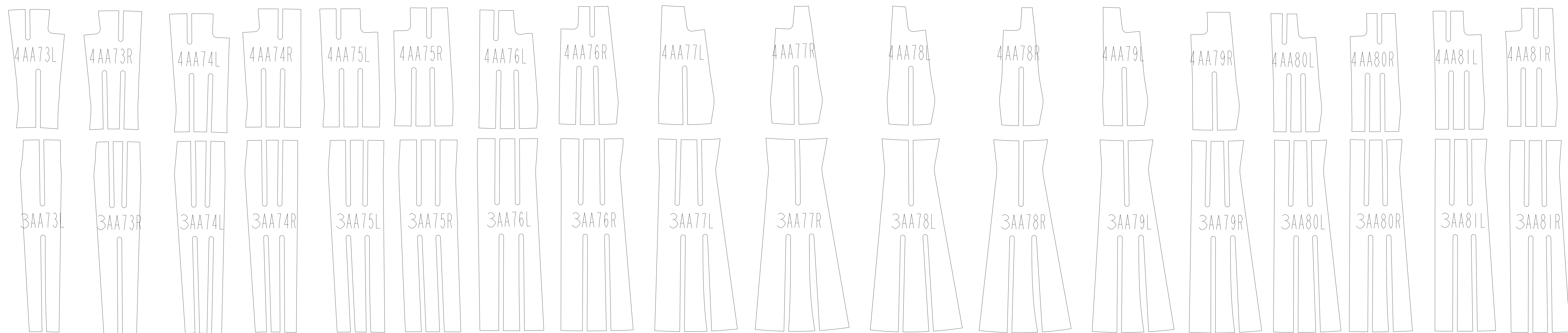
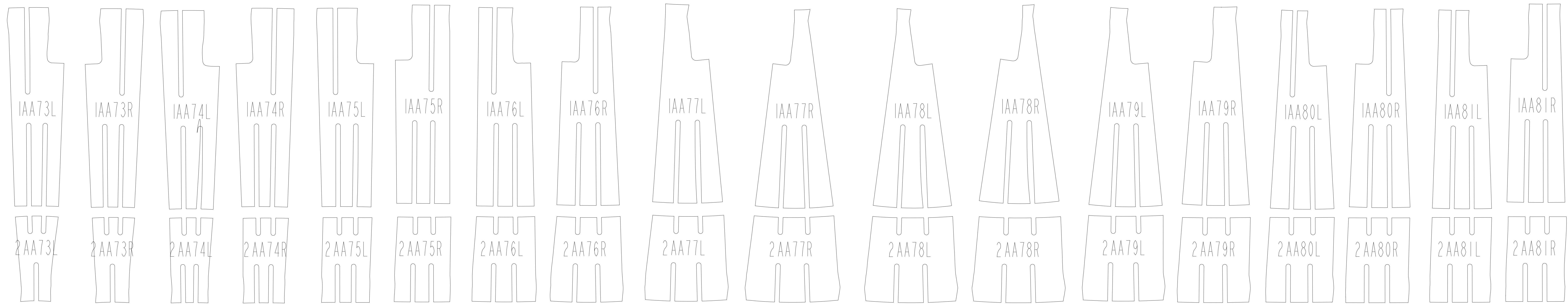
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NEXT ASS'Y: 1 FINAL ASS'Y:

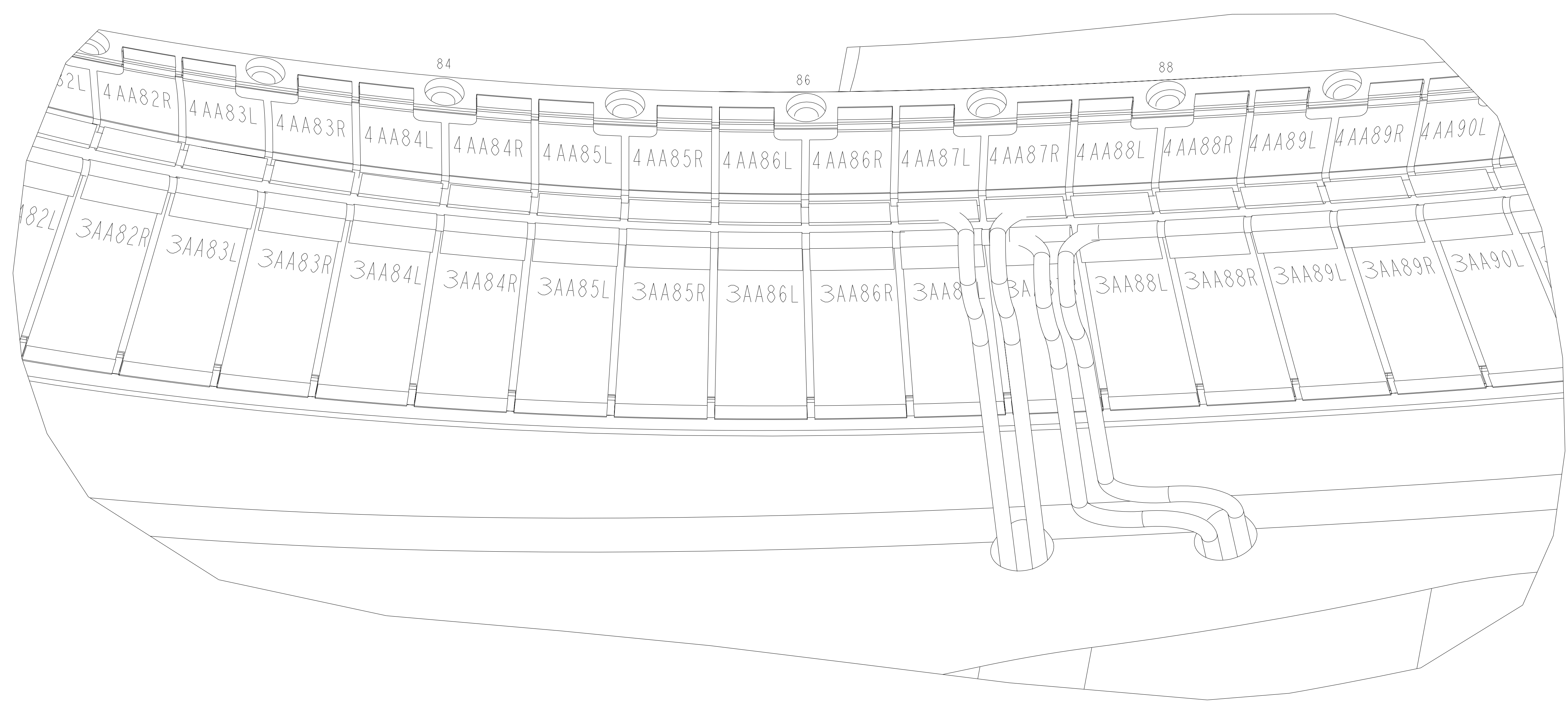
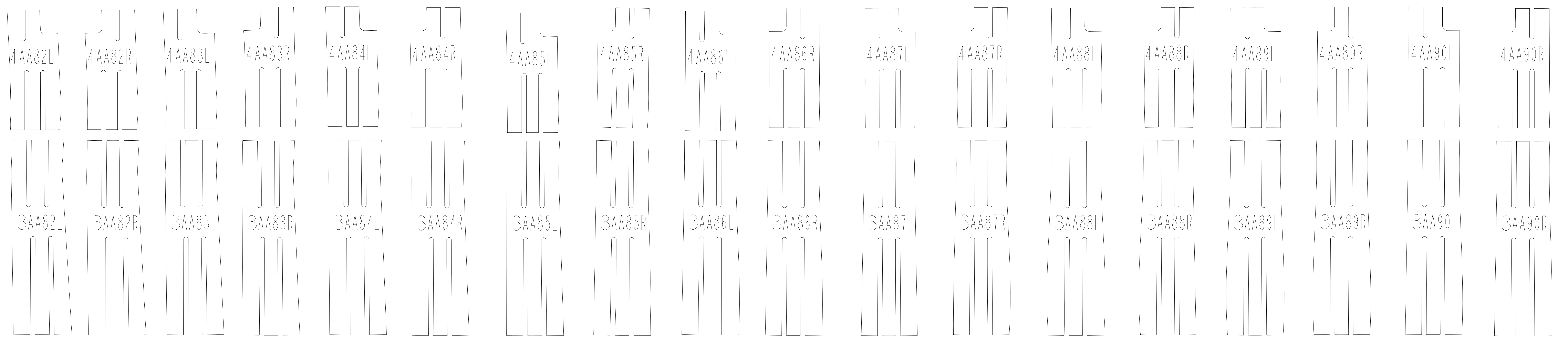
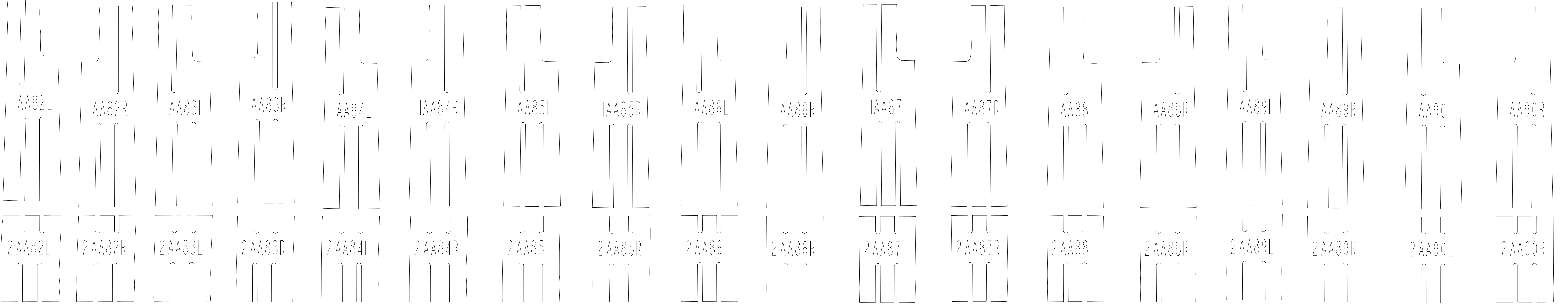


ISOMETRIC VIEW
SCALE 1:00

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							
MODULAR COIL TYPE-A							
SIDE-A CLADDING AND CHILL PLATES							
FLAT PATTERN LAYOUT							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
8+	X-10	5700	3	10	12 S	U	
RELEASE LEVEL	WIP						
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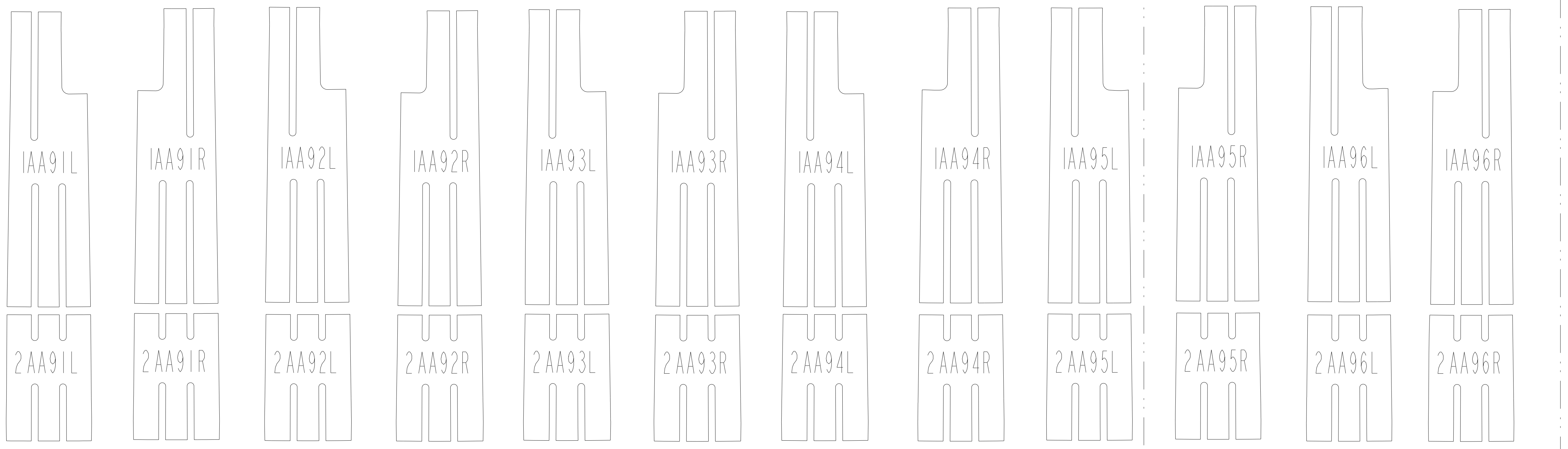


ISOMETRIC VIEW
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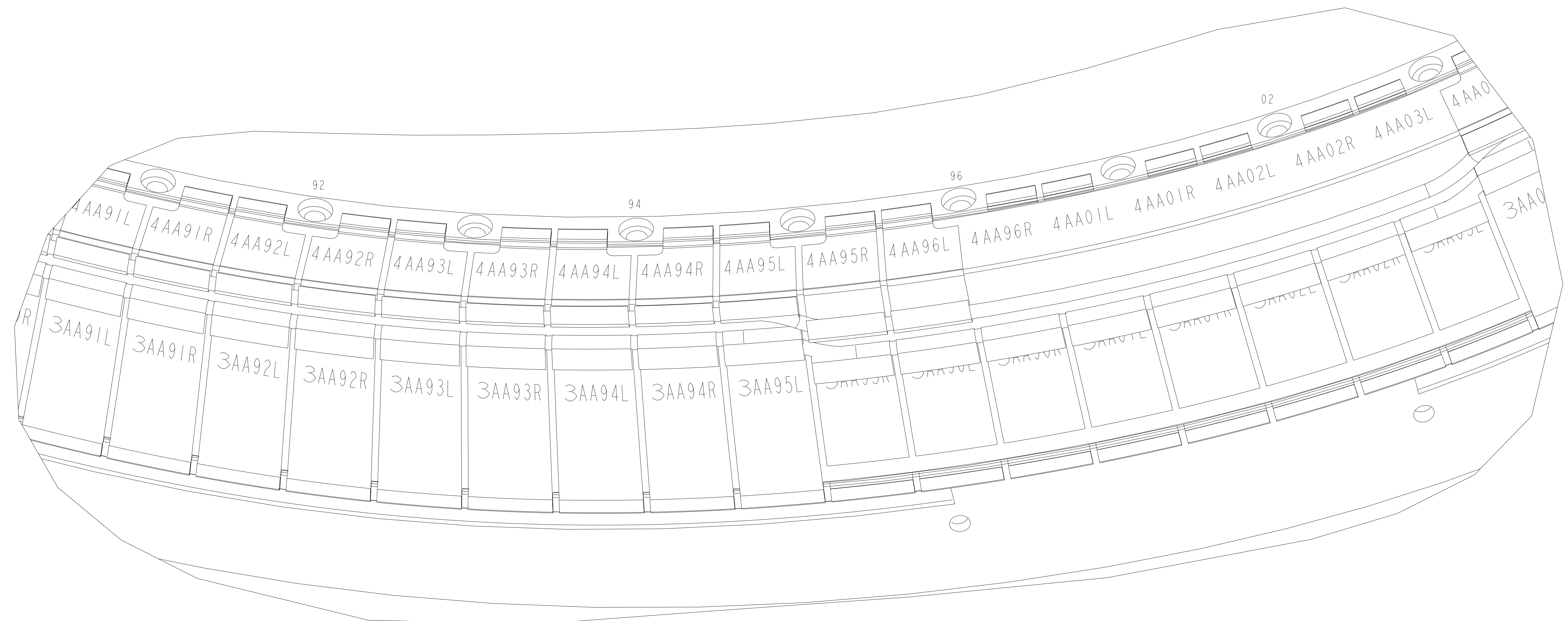
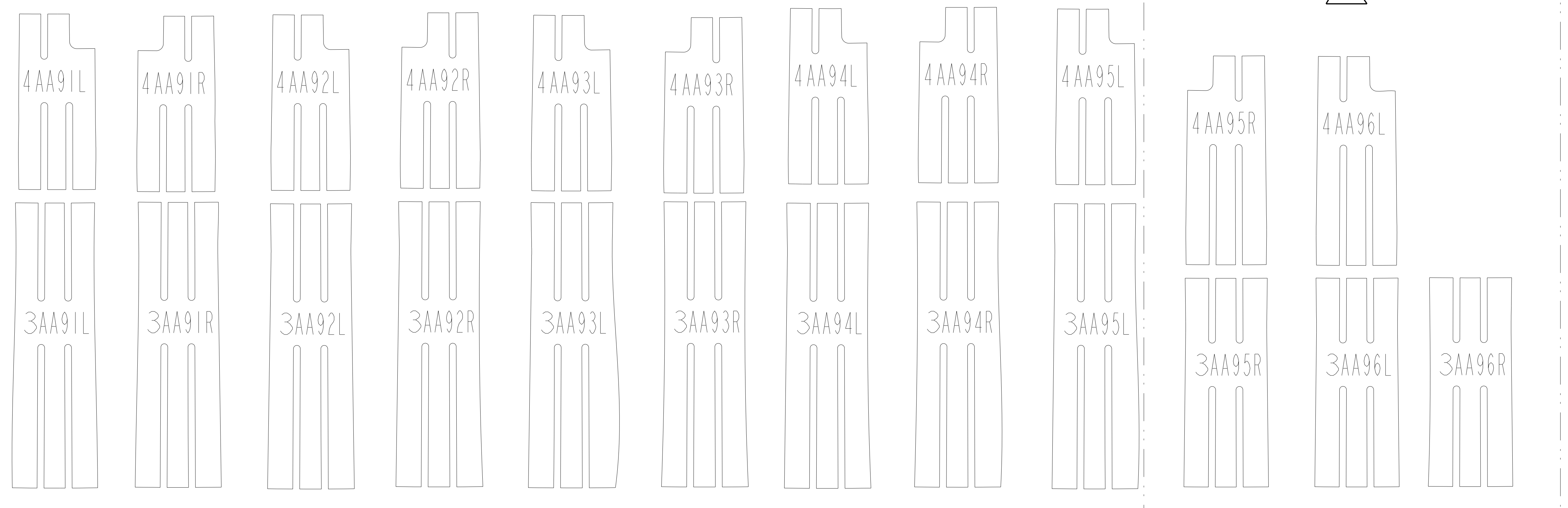
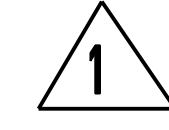
Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725 UT-BATTELLE, LLC, Oak Ridge, Tennessee PROJECT NAME							
UT-BATTELLE NATIONAL COMPACT STELLARATOR EXPERIMENT MODULAR COIL TYPE-A SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT							
VERSION NO.	PLANT	BLDG	FL	SHT OF	TYPE	CLASS	
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RELEASE LEVEL		SEI42A-252					
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THESE PARTS TO BE NEMA GRADE GIICR.



ISOMETRIC VIEW
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UT-BATTELLE		<small>Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-00OR22725 UT-BATTELLE, LLC, Oak Ridge, Tennessee</small>					
NATIONAL COMPACT STELLARATOR EXPERIMENT							
MODULAR COIL TYPE-A							
SIDE-A CLADDING AND CHILL PLATES							
FLAT PATTERN LAYOUT							
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE CLASS	
8+	X-10	5700	3	12	12	S U	
RELEASE LEVEL	WIP						
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