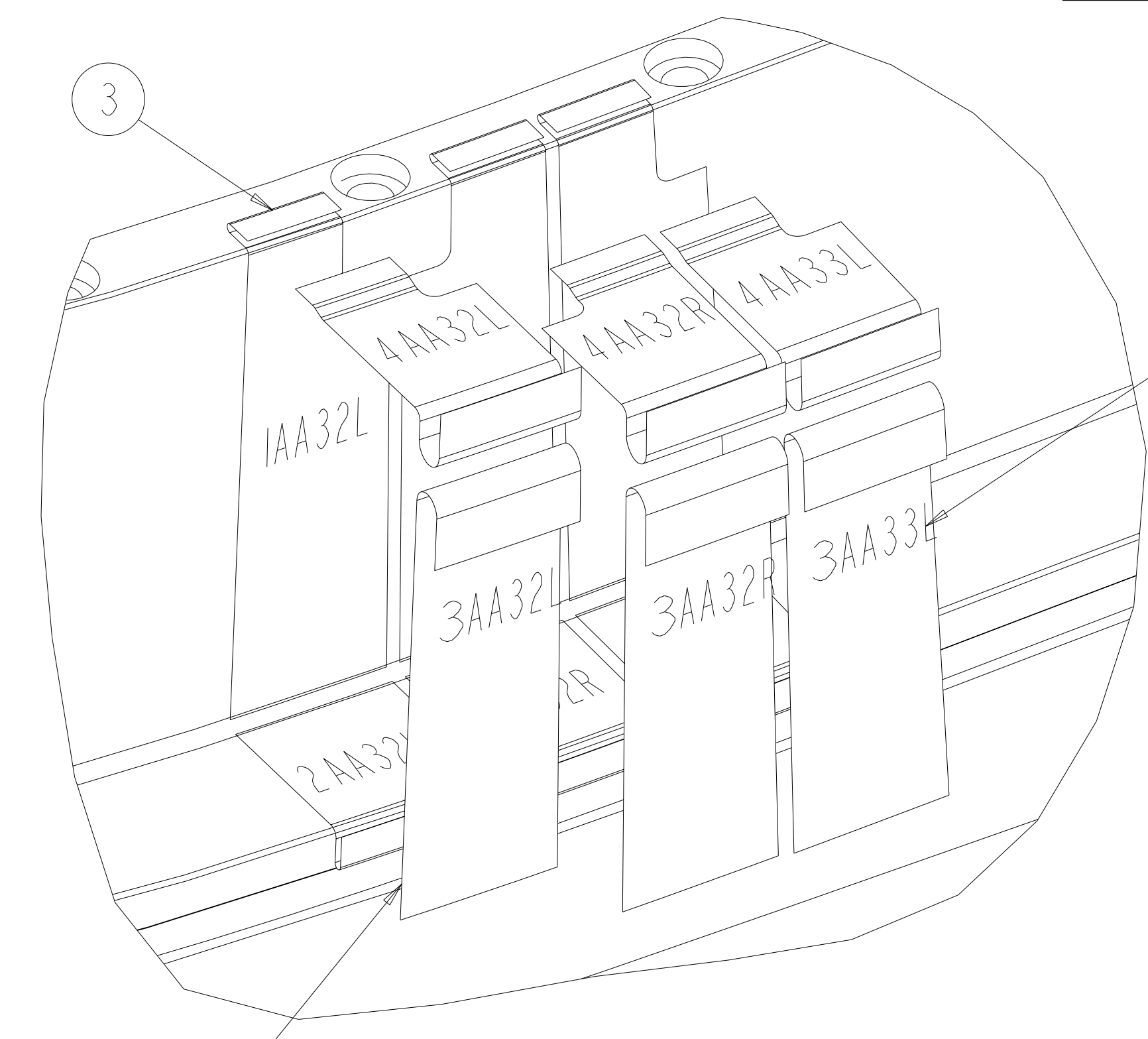
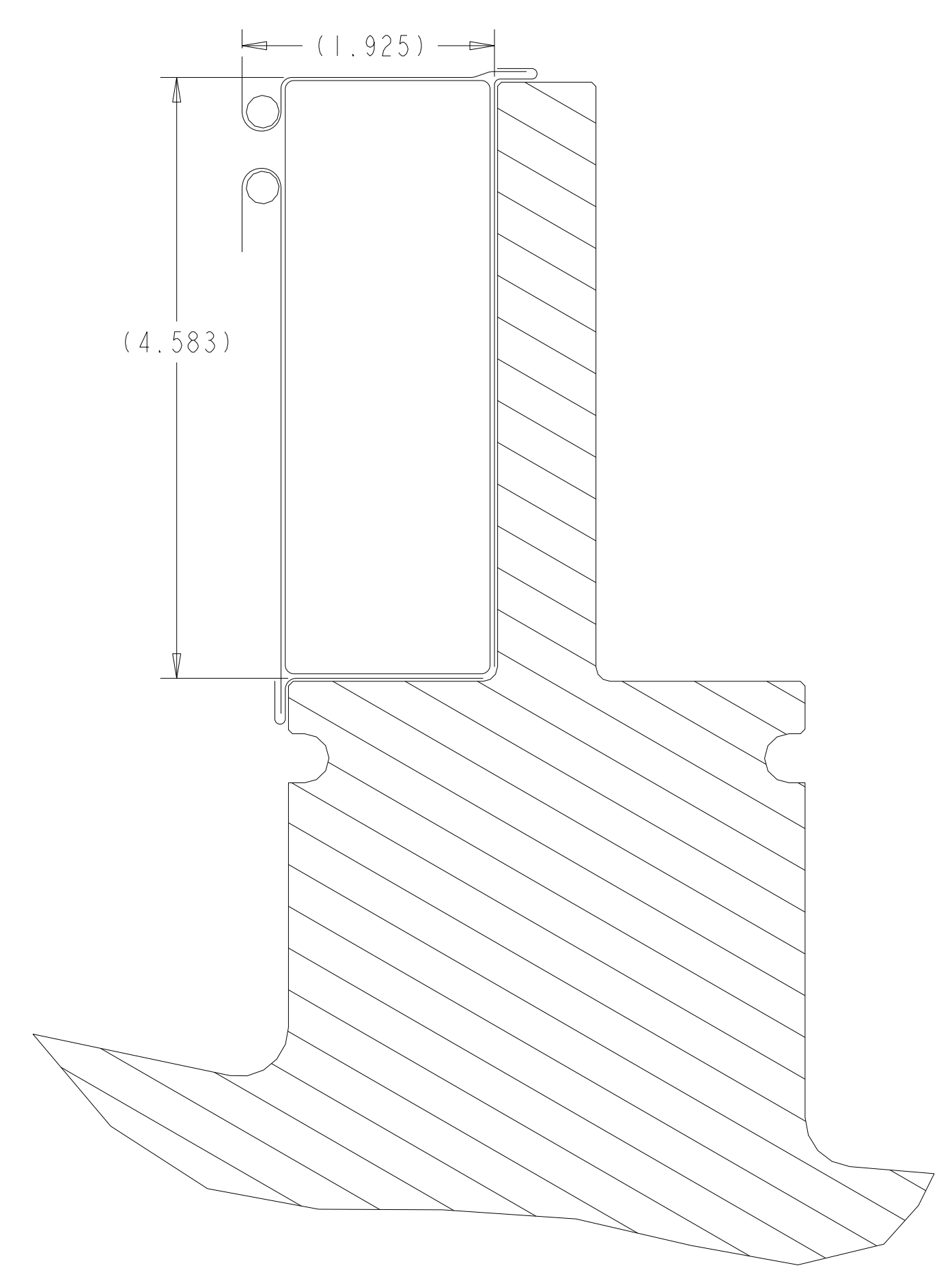
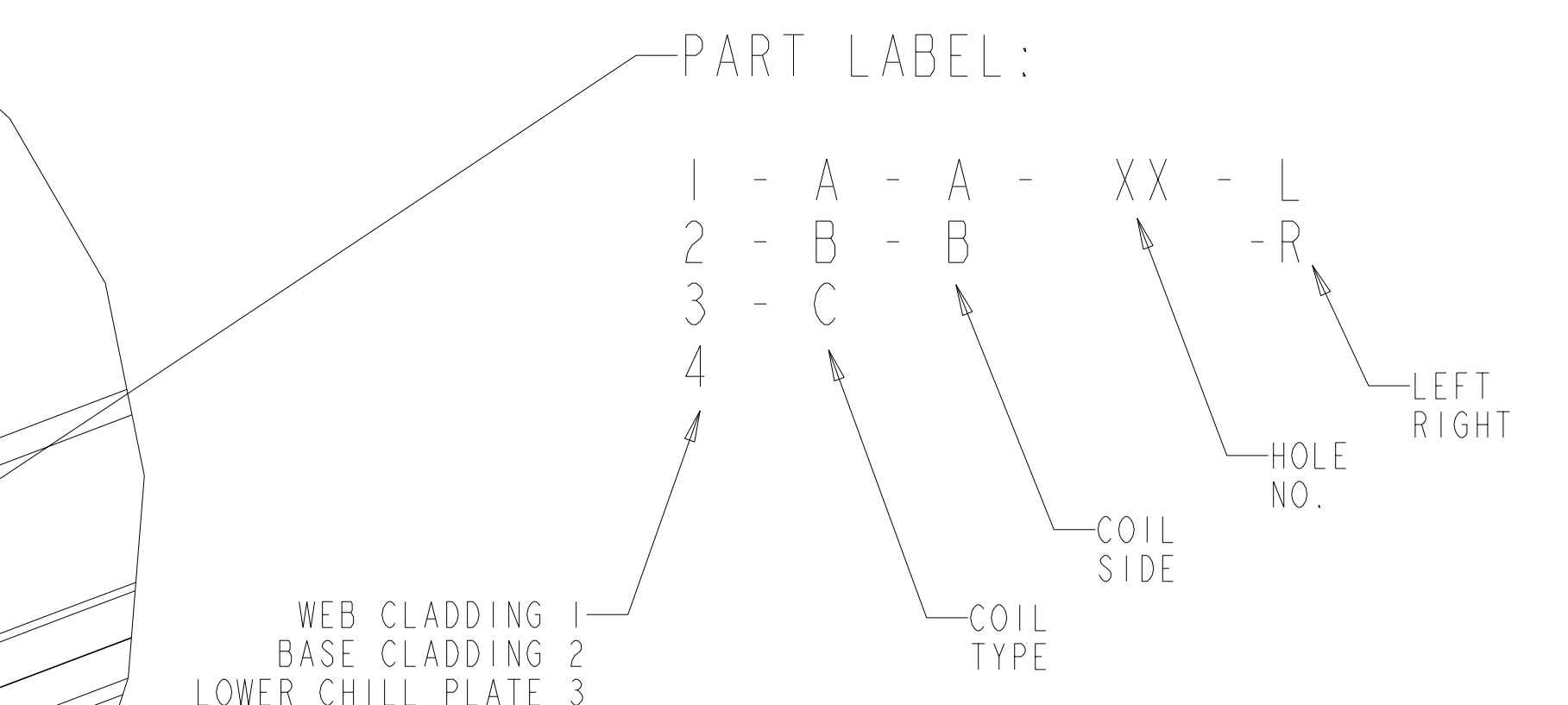


1 TYPE-A SIDE-A ASM  
SCALE 0.25

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



ISOMETRIC VIEW  
SCALE 1.00



TYPICAL SECTION  
SCALE 1.00

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
1	REVISE PARTS AND DRAWING PER ECN 5140	GLL	7-06	MJC			DEW					

CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPECIFICATION	FIND NO
378	SE142A-257	CHILL PLATES	COPPER, ANNEALED UNS C10100, C10200, C11000 ETP OR NEMA GRADE G1ICR (WHERE NOTED)	4
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	-	TYPE-A SIDE-A CLADDING AND CHILL PLATES		1

SE140-101 ← NEXT ASSEMBLY

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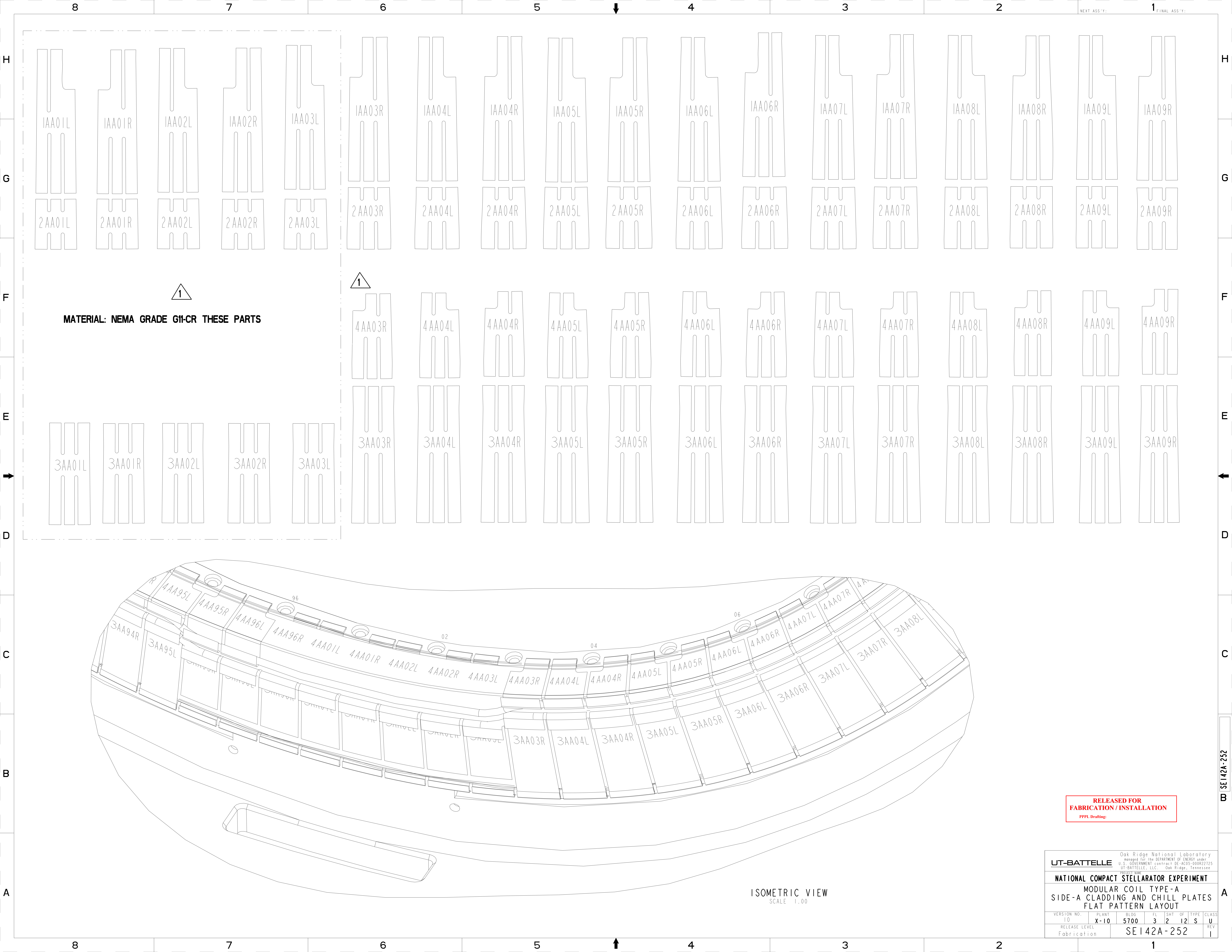
NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE 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
TOLERANCES UNLESS OTHERWISE SPECIFIED		DRW	D. WILLIAMSON <td>02-06</td>	02-06
FRACTIONS		CHK	M. COLE <td>02-06</td>	02-06
XX DECIMALS ±.01		SECT		
XXX DECIMALS ±.005		DEPT		
ANGLES ±0°15'		PE	D. WILLIAMSON <td>02-06</td>	02-06
BREAK SHARP EDGES OR MAX FINISH .125 UNLESS OTHERWISE SPECIFIED		CR		
		PJ		
		REQ		
		PPPL DRFT	J. SIEGEL <td>02-06</td>	02-06
		VERSION NO.	10	
		PLANT	X-10	
		BLDG	5700	
		FL	3	
		SHT	12	
		OF		
		TYPE	S	
		CLASS	U	
		REV	1	

**NATIONAL COMPACT STELLARATOR EXPERIMENT**  
MODULAR COIL TYPE-A  
SIDE-A CLADDING AND CHILL PLATES  
FLAT PATTERN LAYOUT

RELEASE LEVEL  
Fabrication  
SE142A-252

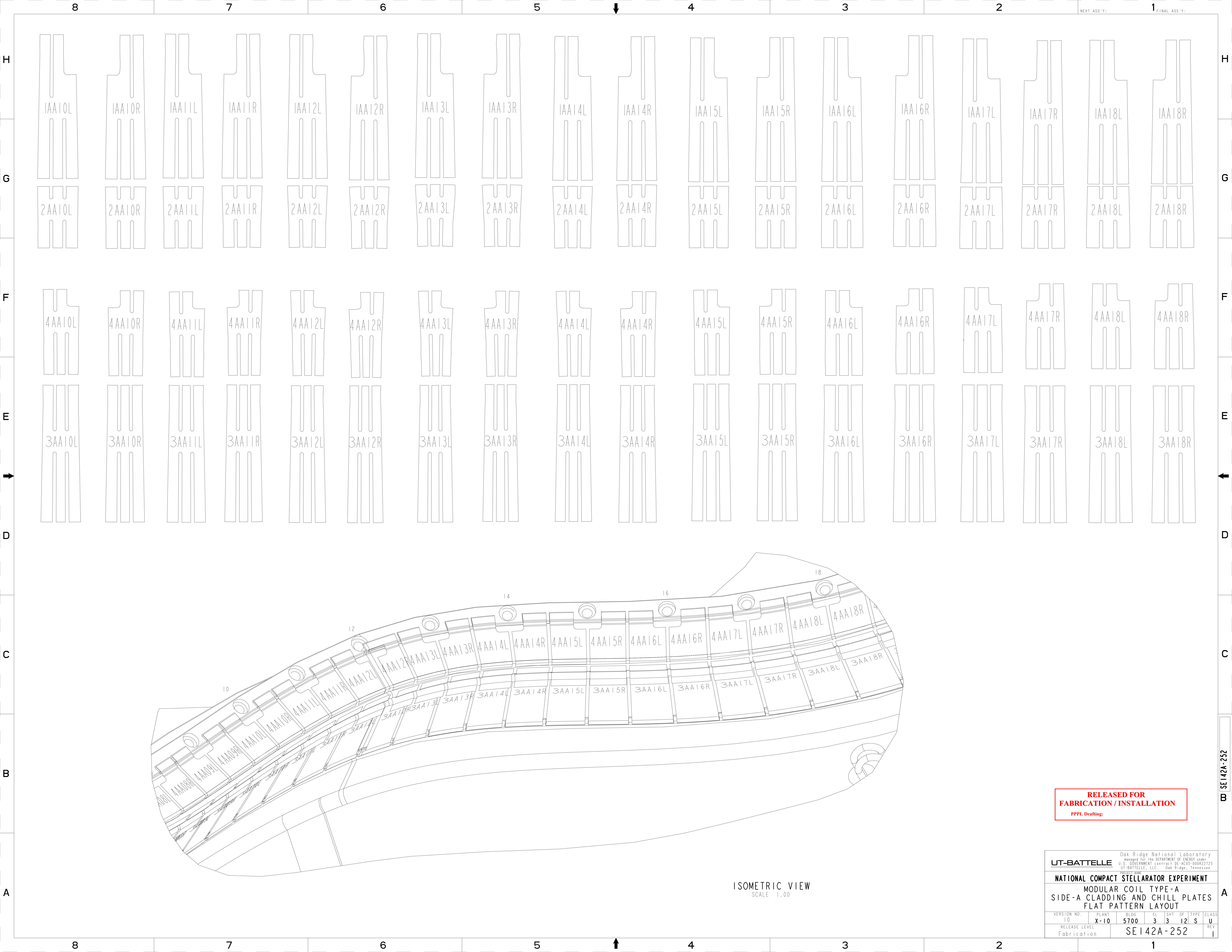


MATERIAL: NEMA GRADE G11-CR THESE PARTS

ISOMETRIC VIEW  
SCALE 1.00

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PPPL Drafting

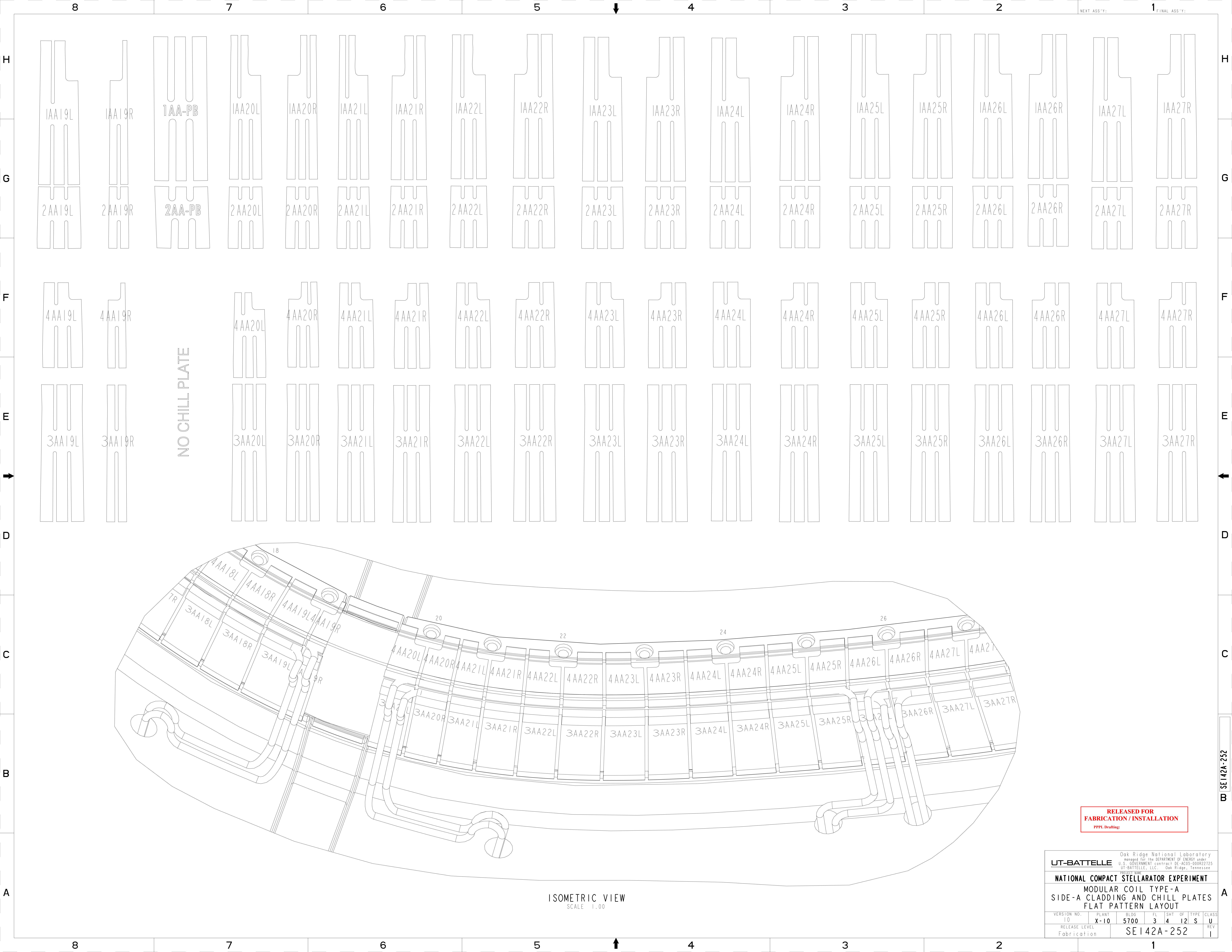
Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT CONTRACT DE-AC05-00OR22725 UT-BATTELLE, LLC, Oak Ridge, Tennessee PROJECT NAME:									
<b>UT-BATTELLE</b> <b>NATIONAL COMPACT STELLARATOR EXPERIMENT</b> <b>MODULAR COIL TYPE-A</b> <b>SIDE-A CLADDING AND CHILL PLATES</b> <b>FLAT PATTERN LAYOUT</b>									
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS		
10	X-10	5700	3	2	12	S	U		
RELEASE LEVEL		SE 142A-252							
Fabrication									



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PROJECT NAME			
NATIONAL COMPACT STELLARATOR EXPERIMENT			
MODULAR COIL TYPE-A SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT			
VERSION NO. 10	PLANT X-10	BLDG 5700	FL   SHT OF TYPE CLASS 3   12   S   U
RELEASE LEVEL Fabrication		SE 142A-252	
		REV 1	

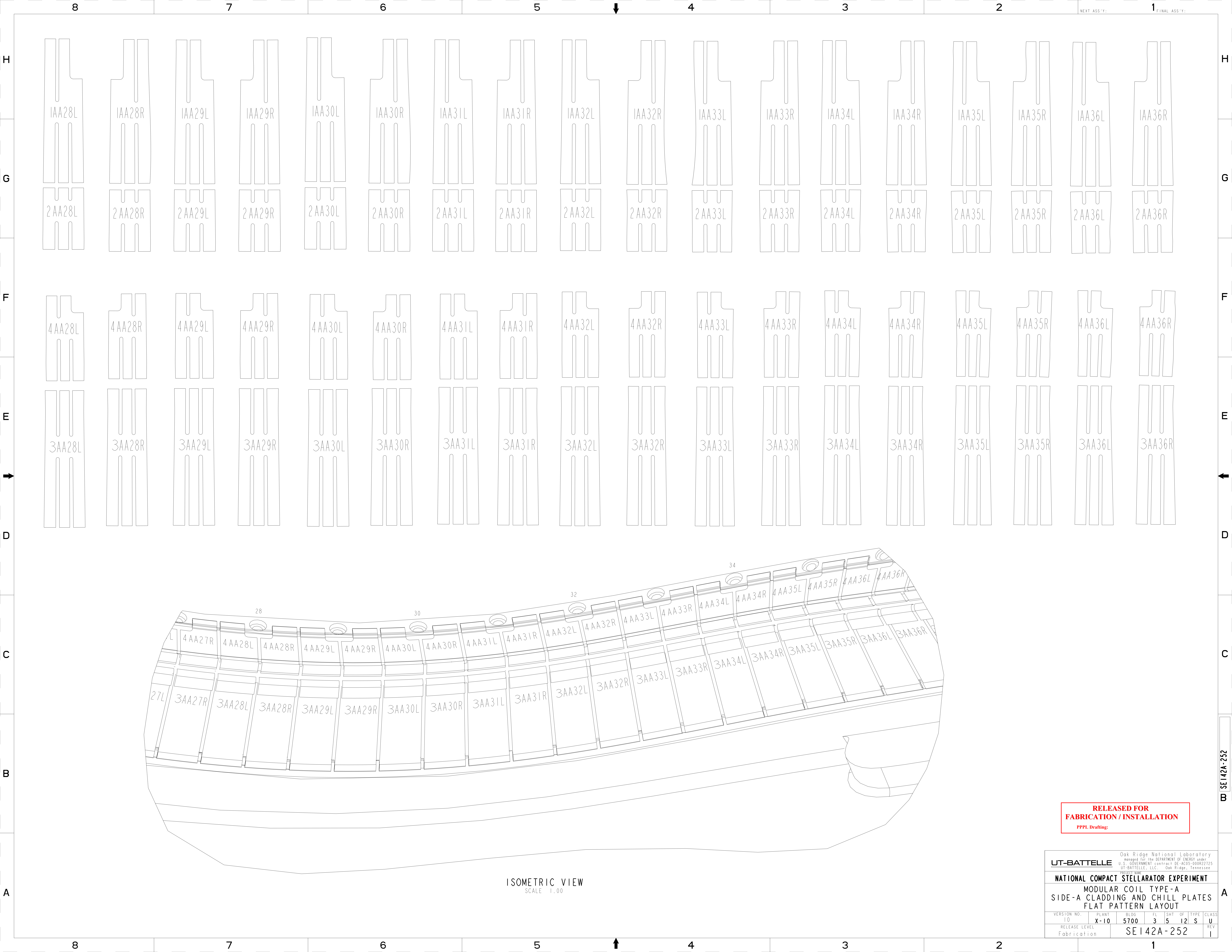


NO CHILL PLATE

ISOMETRIC VIEW  
SCALE 1.00

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<b>NATIONAL COMPACT STELLARATOR EXPERIMENT</b> <b>MODULAR COIL TYPE-A</b> <b>SIDE-A CLADDING AND CHILL PLATES</b> <b>FLAT PATTERN LAYOUT</b>									
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS		
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Fabrication									



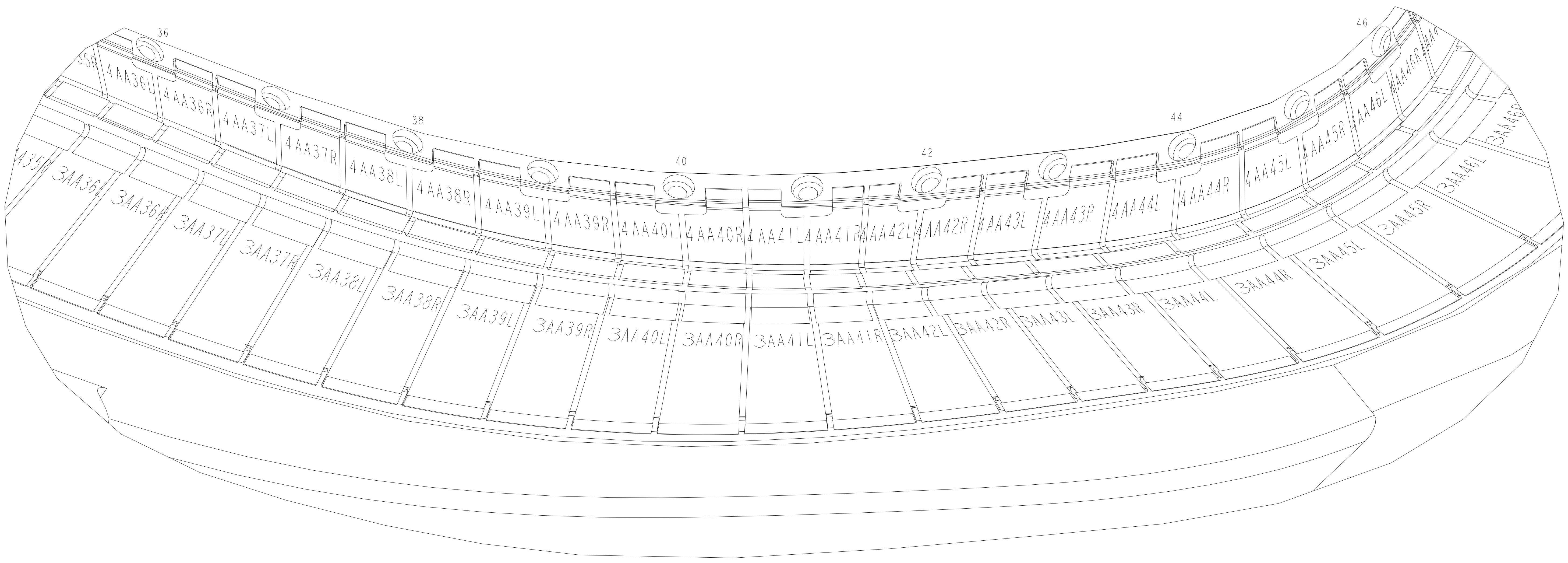
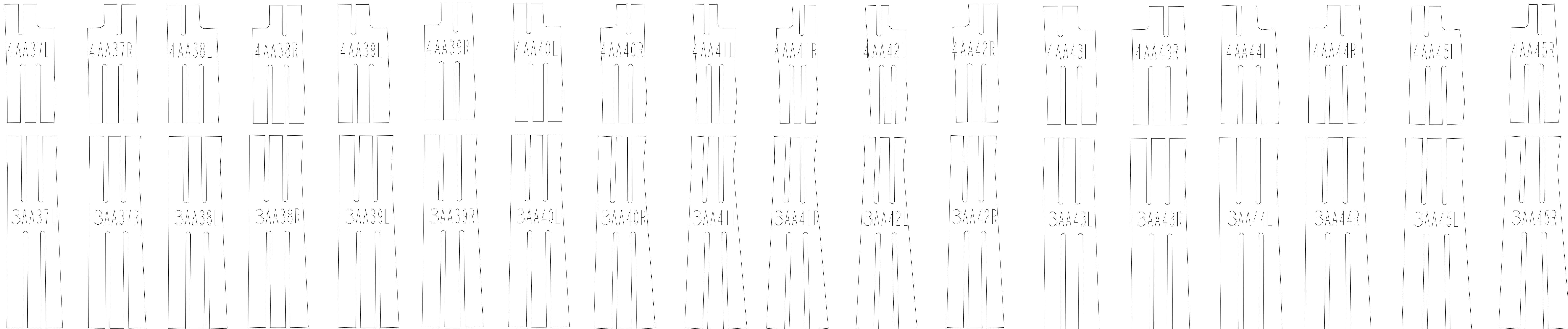
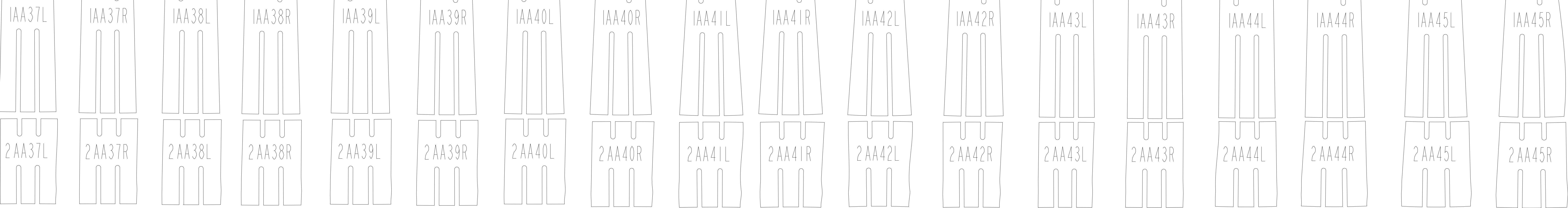
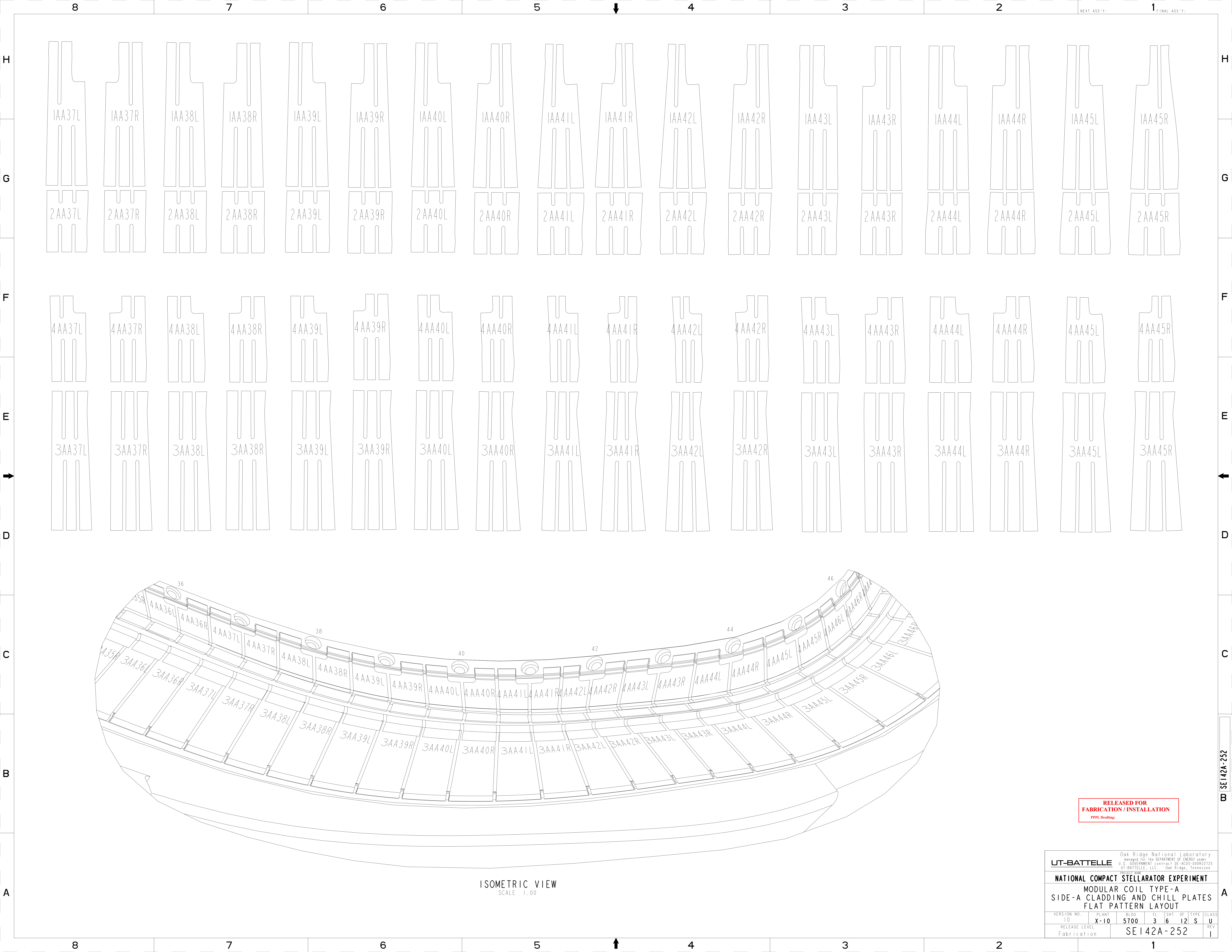
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<b>UT-BATTELLE</b>							
<b>NATIONAL COMPACT STELLARATOR EXPERIMENT</b>							
<b>MODULAR COIL TYPE-A SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT</b>							
VERSION NO. 10	PLANT X-10	BLDG 5700	FL 3	SHT OF 5	TYPE 12	CLASS S	REV U
RELEASE LEVEL Fabrication		SE 142A-252					

SE 142A-252

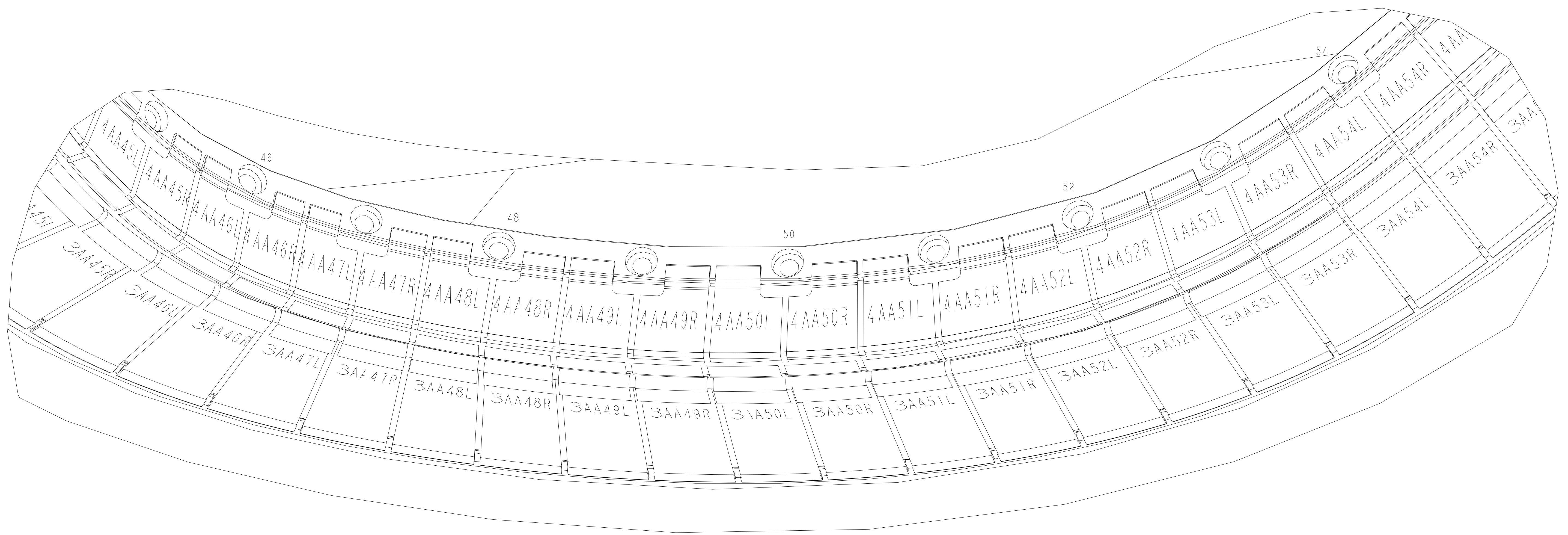
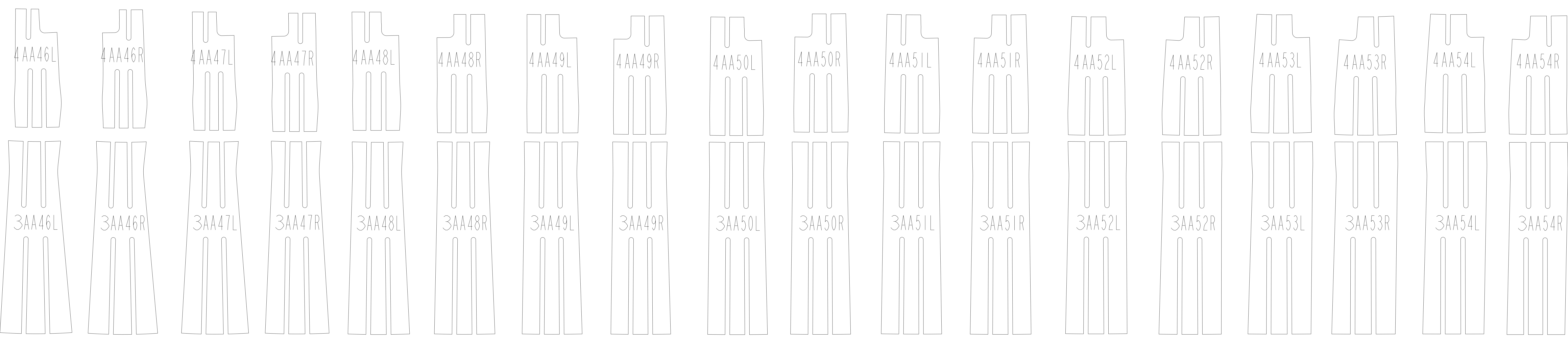
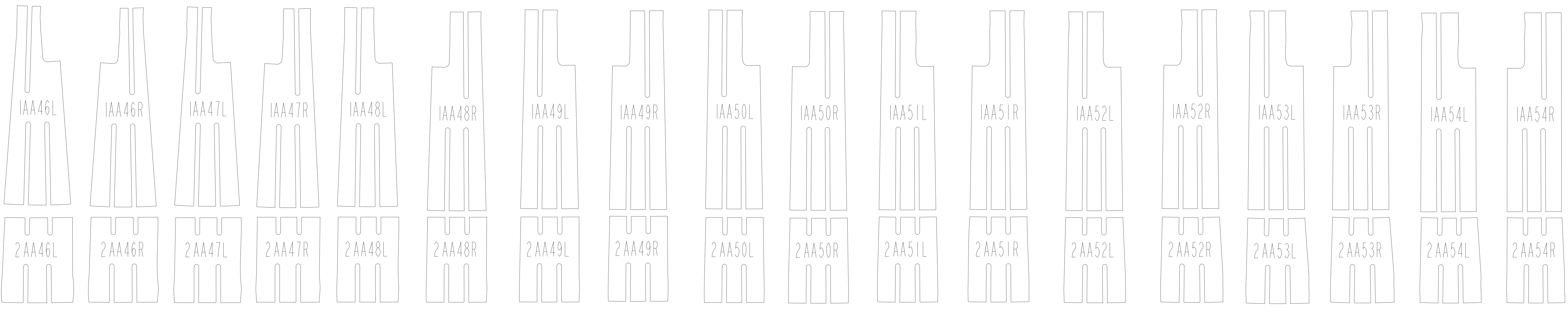
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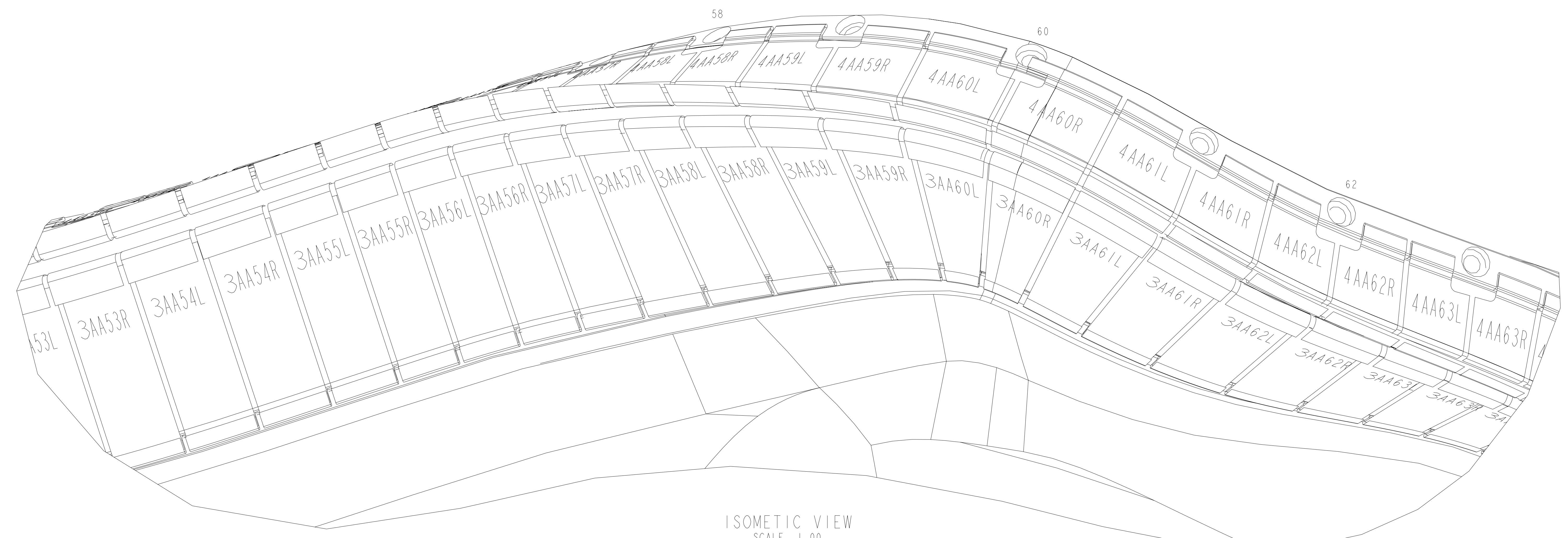
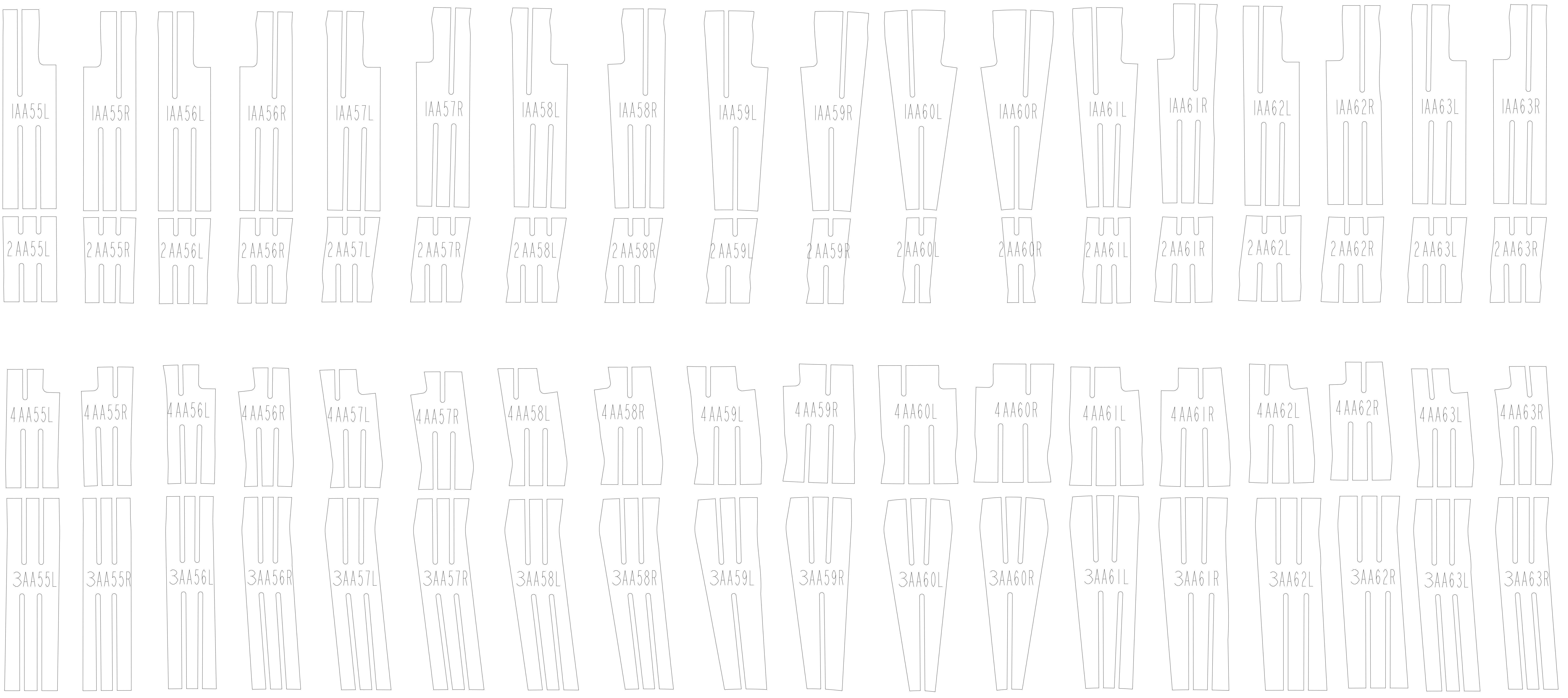
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PROJECT NAME			
<b>NATIONAL COMPACT STELLARATOR EXPERIMENT</b>			
MODULAR COIL TYPE-A			
SIDE-A CLADDING AND CHILL PLATES			
FLAT PATTERN LAYOUT			
VERSION NO. 10	PLANT X-10	BLDG 5700	FL SHT OF TYPE CLASS 3 6 12 S U
RELEASE LEVEL Fabrication		SE 142A-252	



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MODULAR COIL TYPE-A SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT			
VERSION NO. 10	PLANT X-10	BLDG 5700	FL SHT OF TYPE CLASS 3 7 12 S U
RELEASE LEVEL Fabrication		SE 142A-252	



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<b>NATIONAL COMPACT STELLARATOR EXPERIMENT</b> 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		SE 142A-252							
Fabrication									



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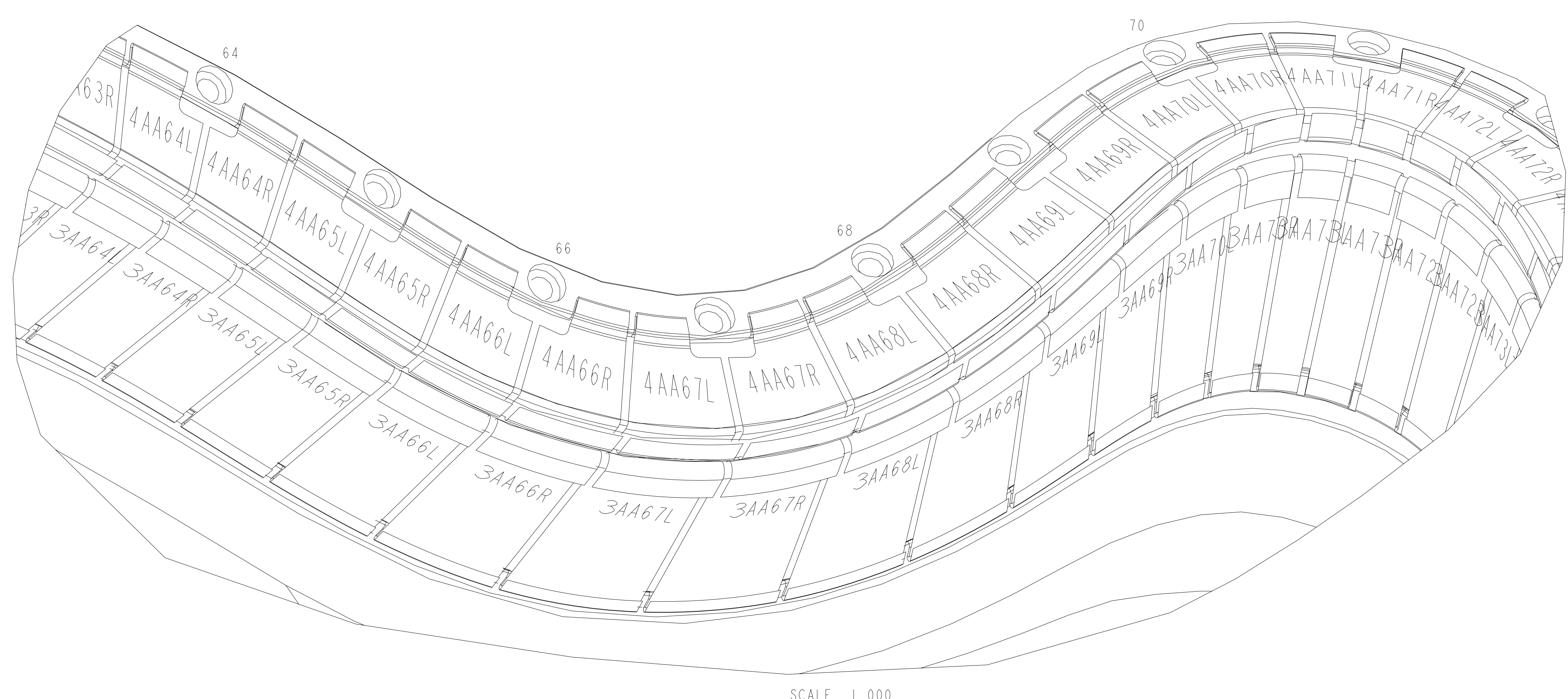
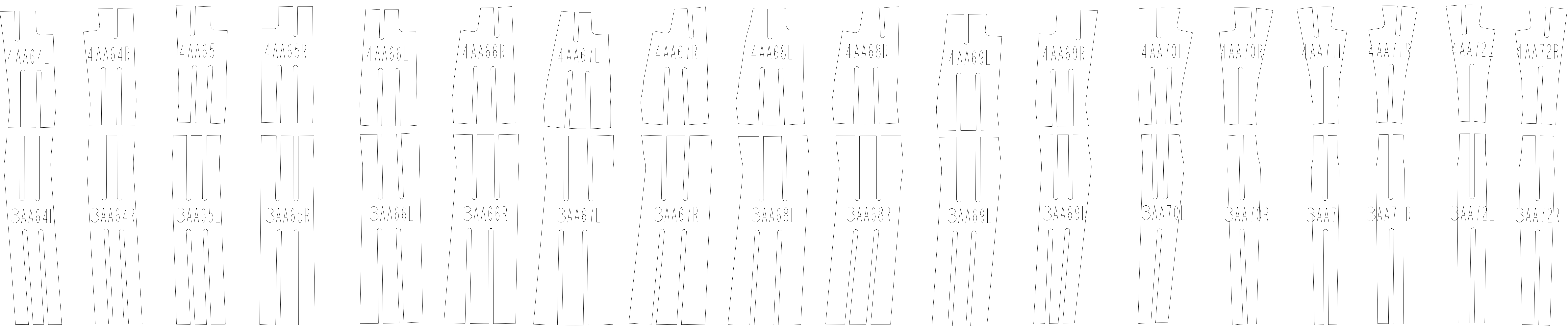
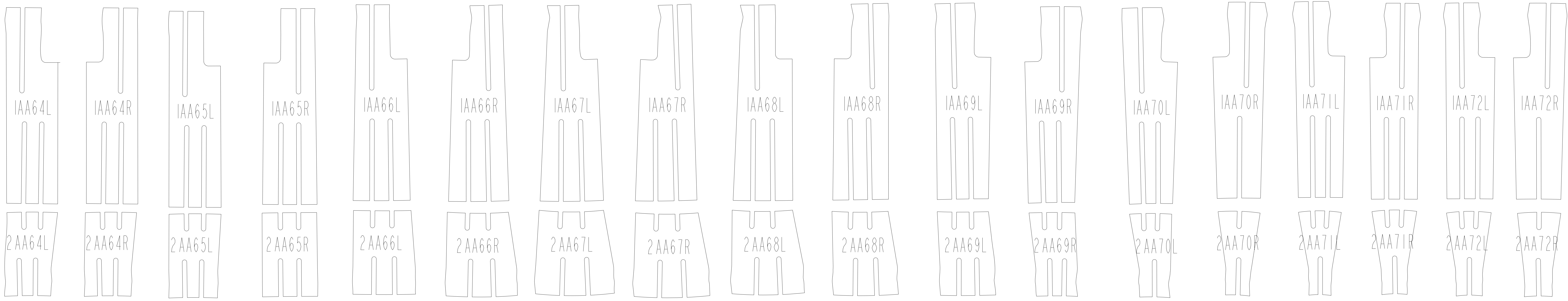
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NEXT ASS'Y: 1 FINAL ASS'Y:



SCALE 1.000

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PROJECT NAME <b>NATIONAL COMPACT STELLARATOR EXPERIMENT</b>			
MODULAR COIL TYPE-A SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT			
VERSION NO. 10	PLANT X-10	BLDG 5700	FL   SHT OF TYPE CLASS 3   9   12   S   U
RELEASE LEVEL Fabrication		SE 142A-252	

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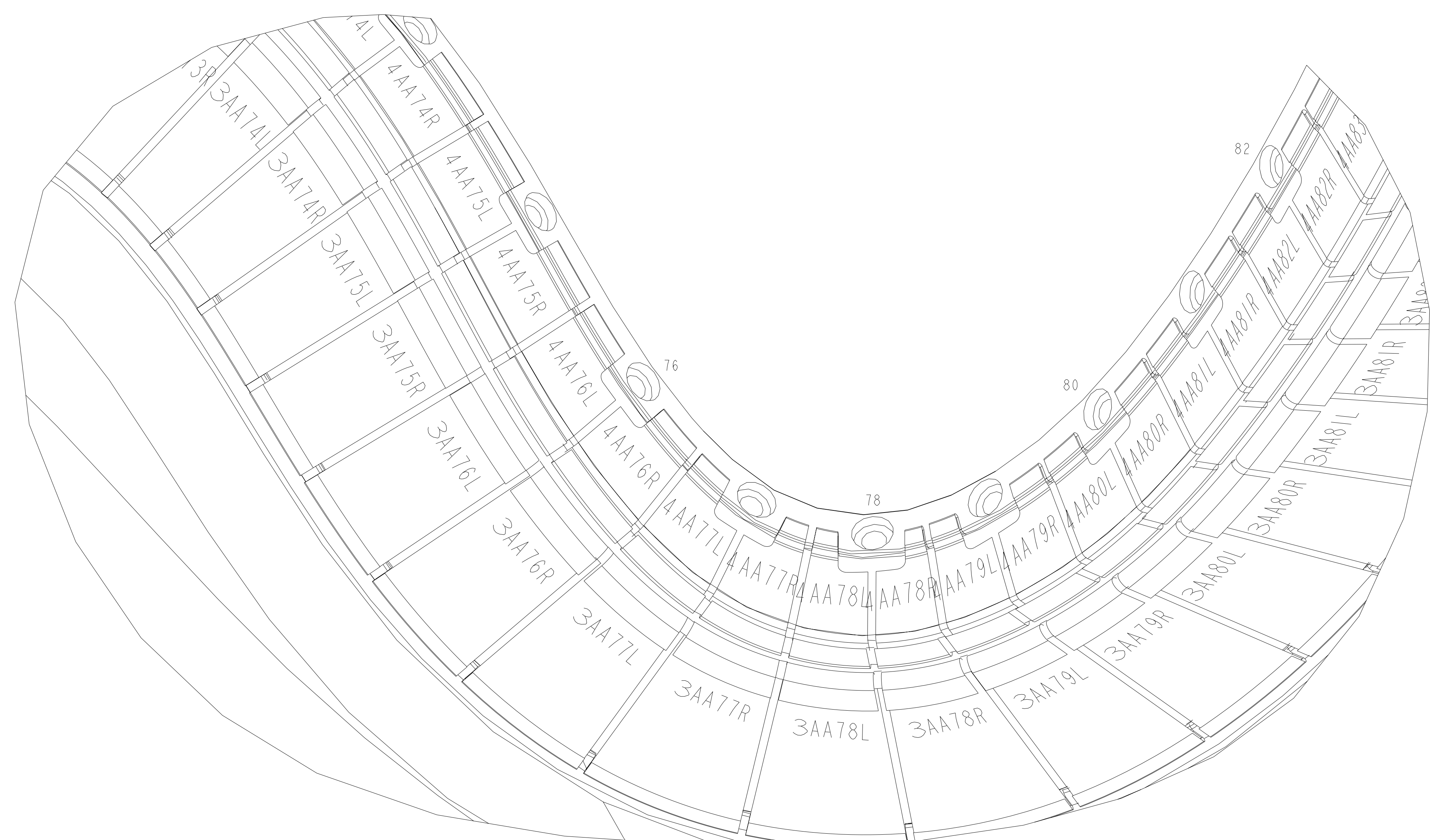
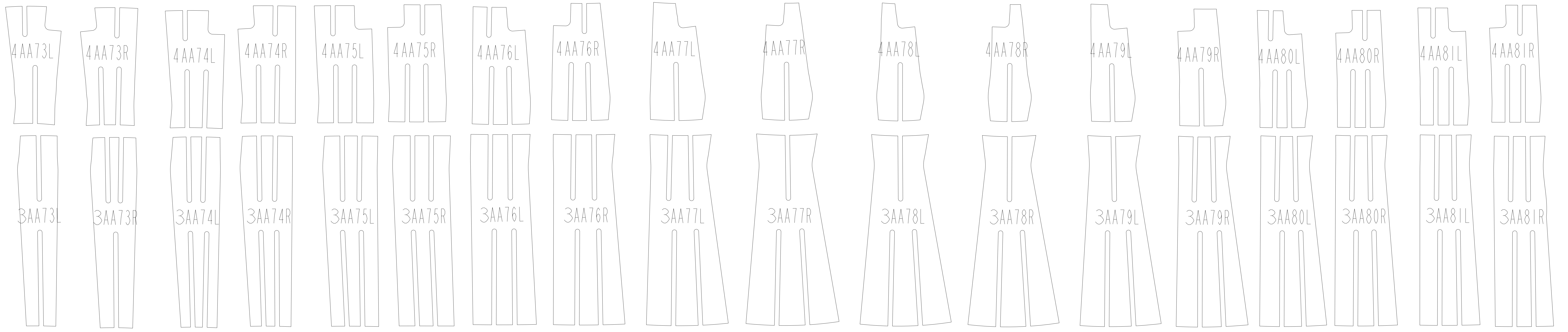
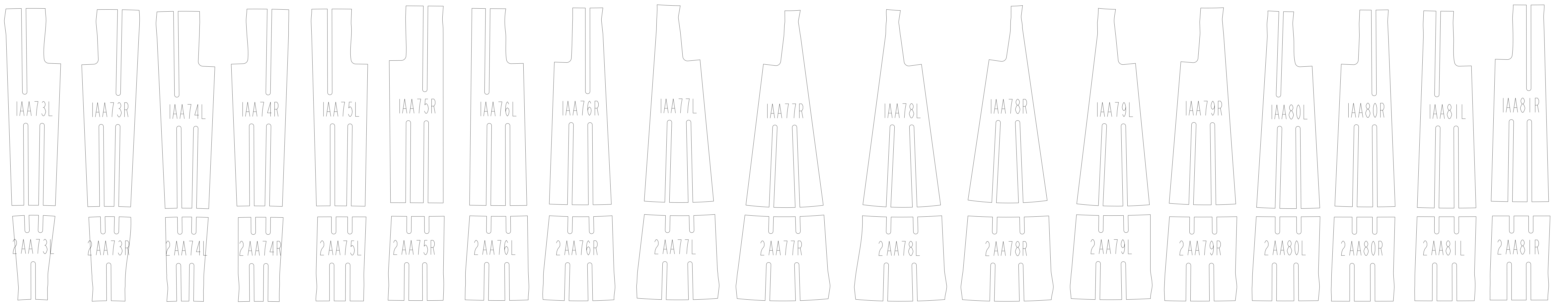
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SE 142A-252

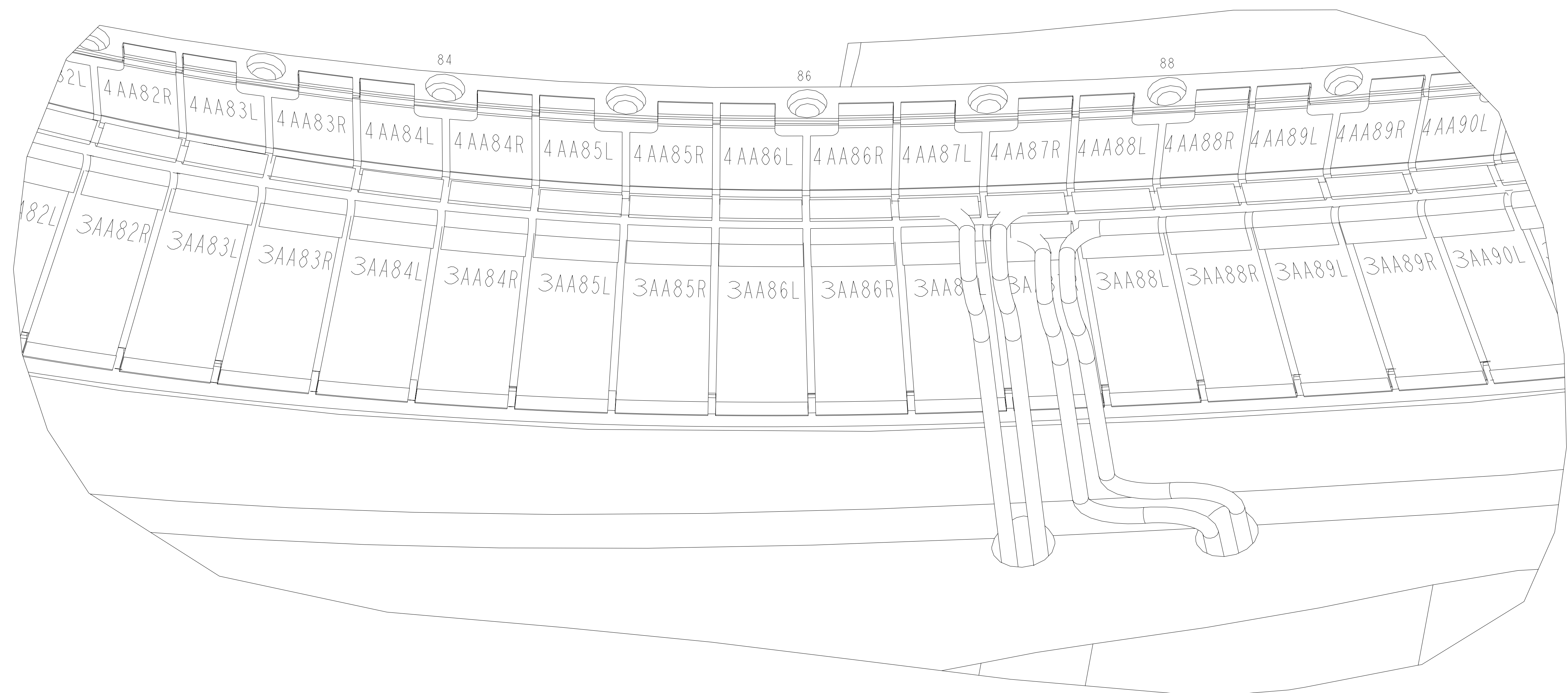
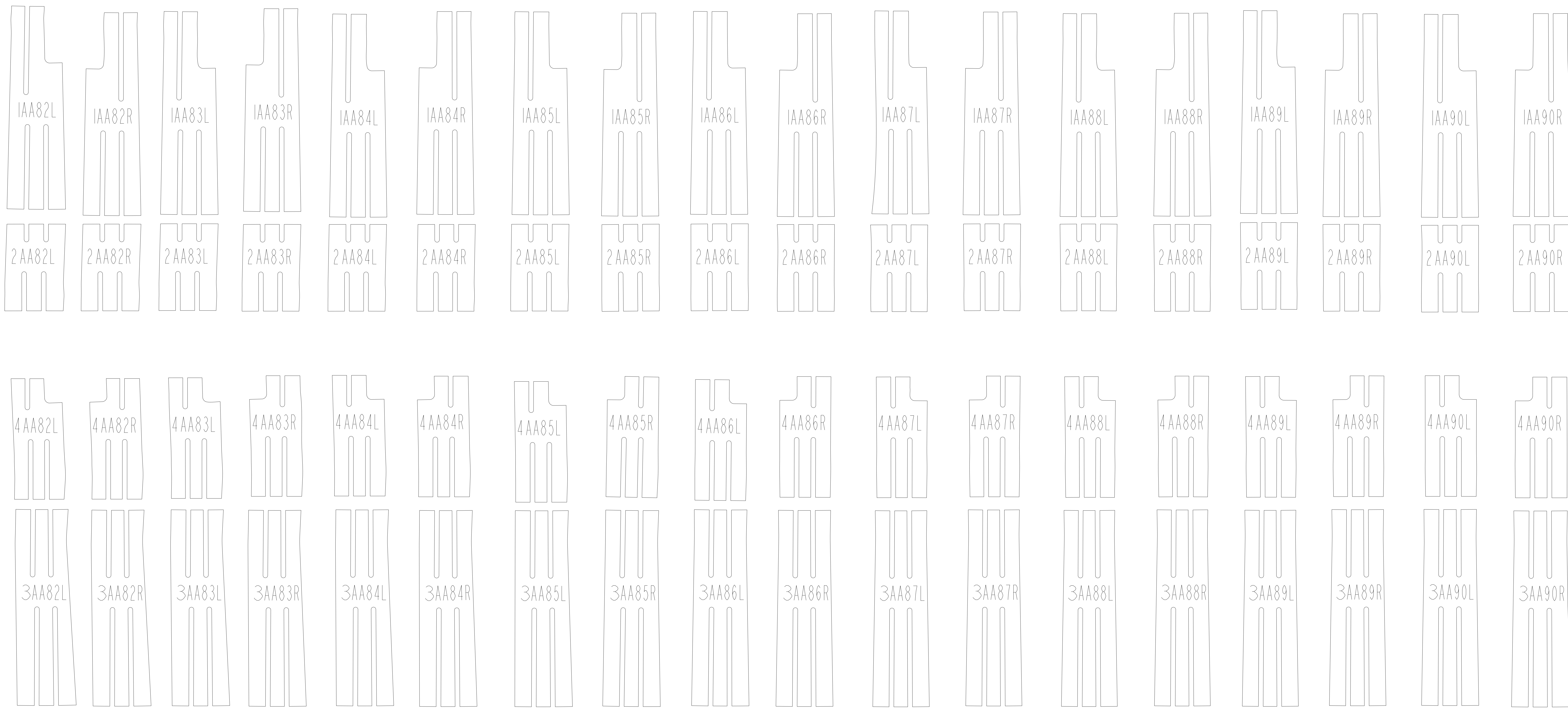
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MODULAR COIL TYPE-A			
SIDE-A CLADDING AND CHILL PLATES			
FLAT PATTERN LAYOUT			
VERSION NO.	PLANT	BLDG	FL SHT OF TYPE CLASS
10	X-10	5700	3 10 12 S U
RELEASE LEVEL		Fabrication	
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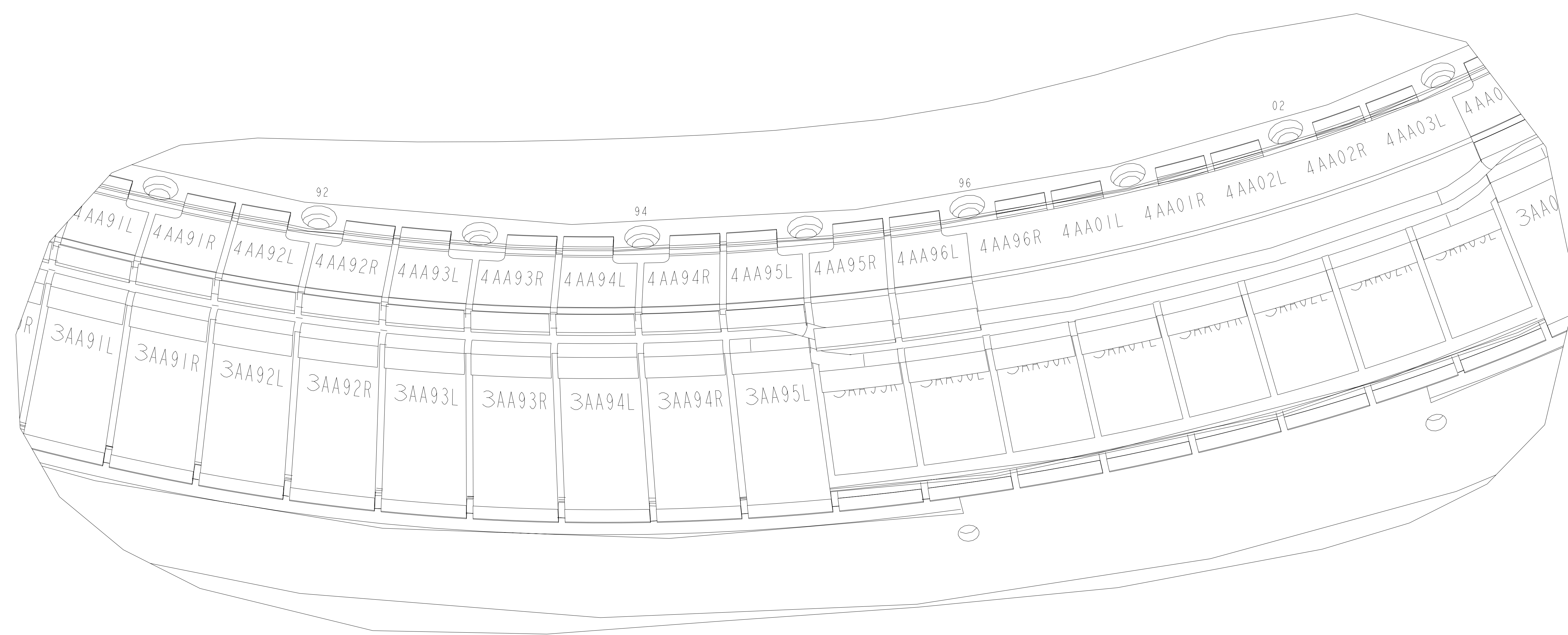
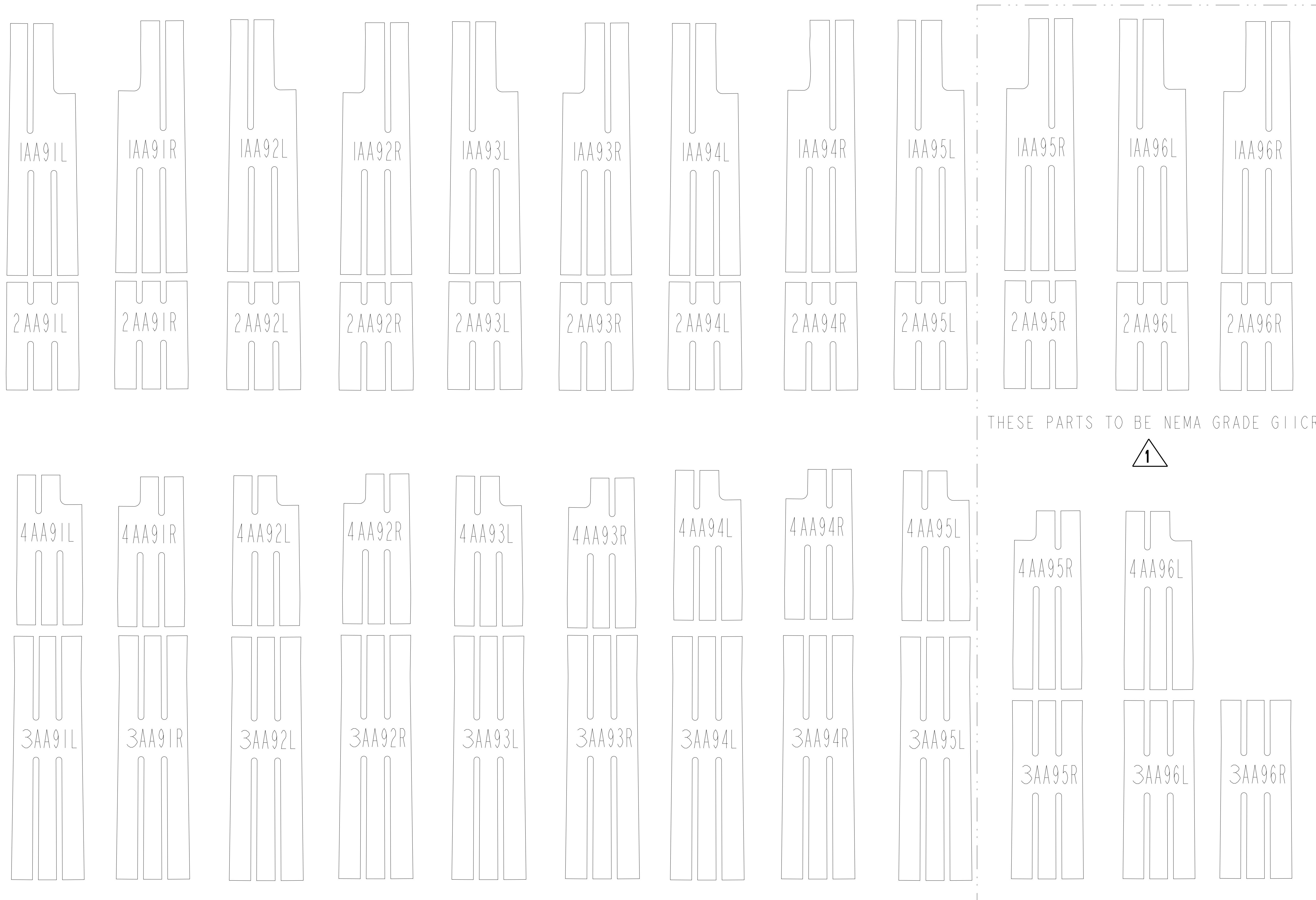


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VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS				
10	X-10	5700	3	11	12	S	U				
RELEASE LEVEL			SE 142A-252							REV	1
Fabrication											

SE 142A-252



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<b>SIDE-A CLADDING AND CHILL PLATES</b>										
<b>FLAT PATTERN LAYOUT</b>										
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS			
10	X-10	5700	3	12	12	S	U			
RELEASE LEVEL		SE 142A-252								REV
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SE 142A-252