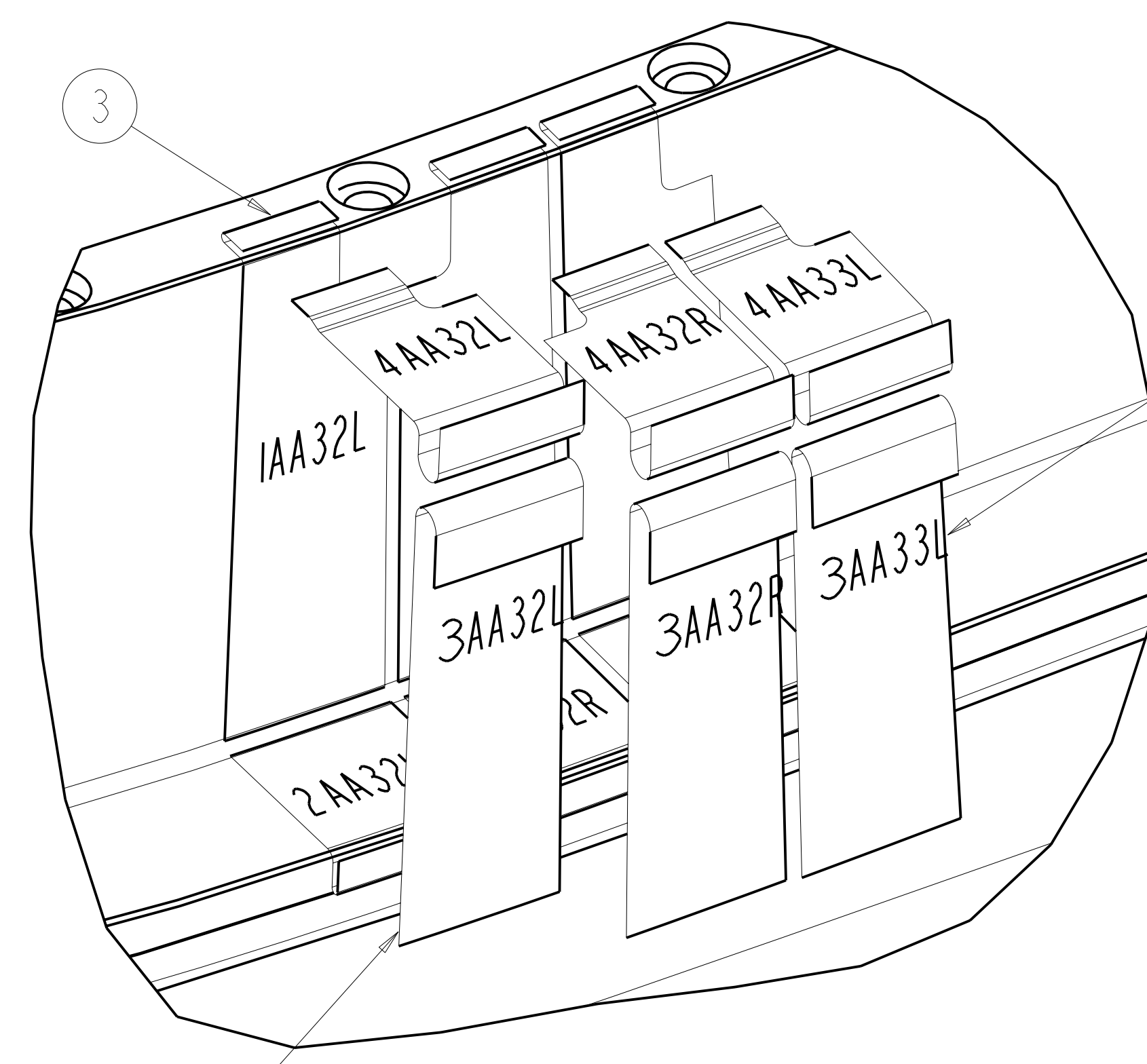
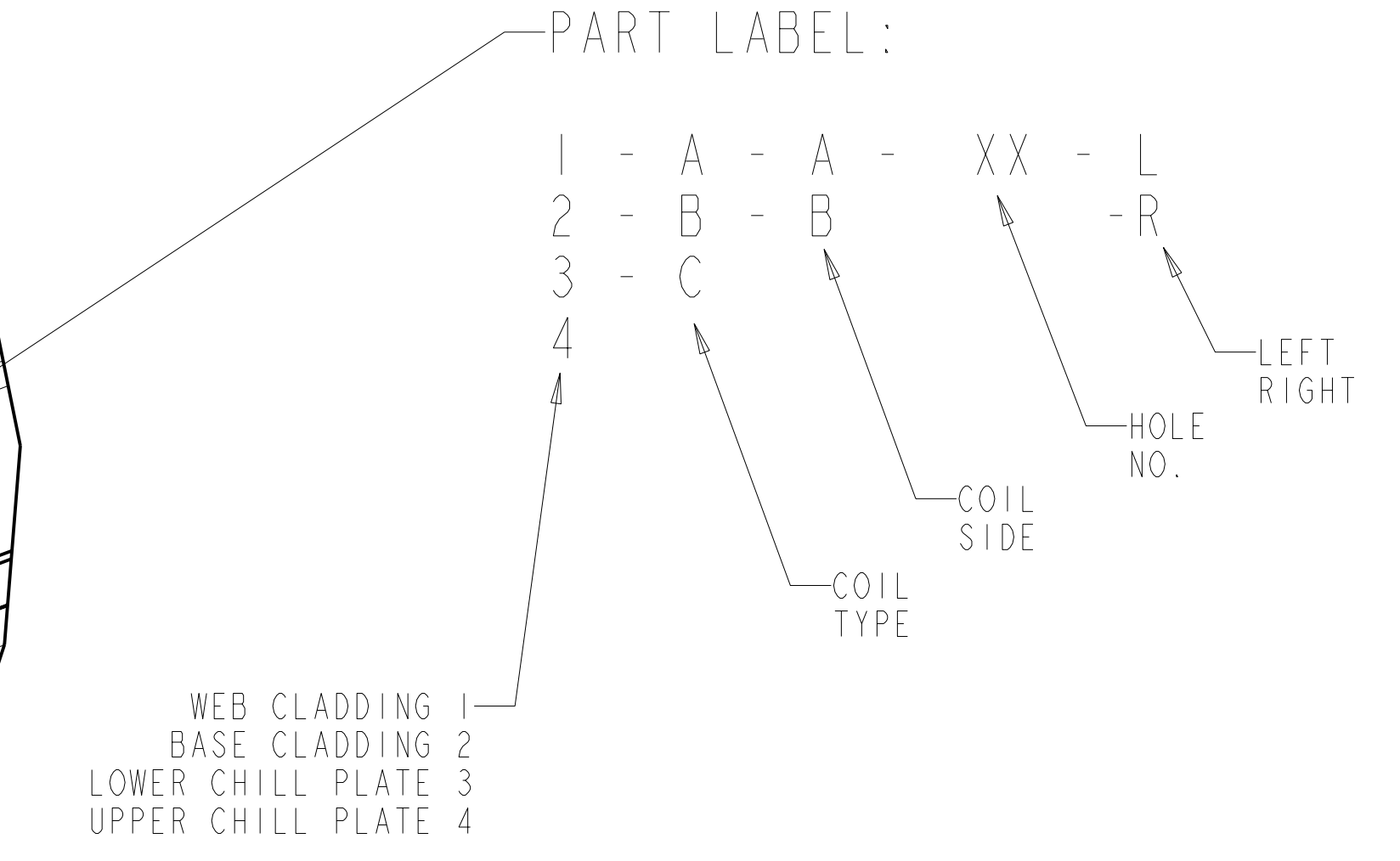


1 TYPE-B SIDE-A-ASM
SCALE 0.250



ISOMETRIC VIEW
SCALE 1.00



TYPICAL SECTION
SCALE 1.00

- 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 SE142B-255.PRT AND SE142B-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.

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PPPL Drafting:

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
1	CHANGED TITLE PER ECN-5133	DW	5/08	MJC			DW					
REV	REVISION OR ISSUE PURPOSE	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE

CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPECIFICATION	FIND NO
378	SE142B-257	CHILL PLATES	COPPER, SOFT TEMPER UNS C10100, C10200, C11000	4
386	SE142B-255	CLADDING	COPPER, SOFT TEMPER UNS C10100, C10200, C11000	3
I	SE141-115-SIM	TYPE-B MODULAR COIL WINDING FORM		2
AR X	-1	TYPE-B SIDE-A CLADDING AND CHILL PLATES		1

← NEXT ASSEMBLY

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-B Δ
 SIDE-A CLADDING AND CHILL PLATES
 FLAT PATTERN LAYOUT**

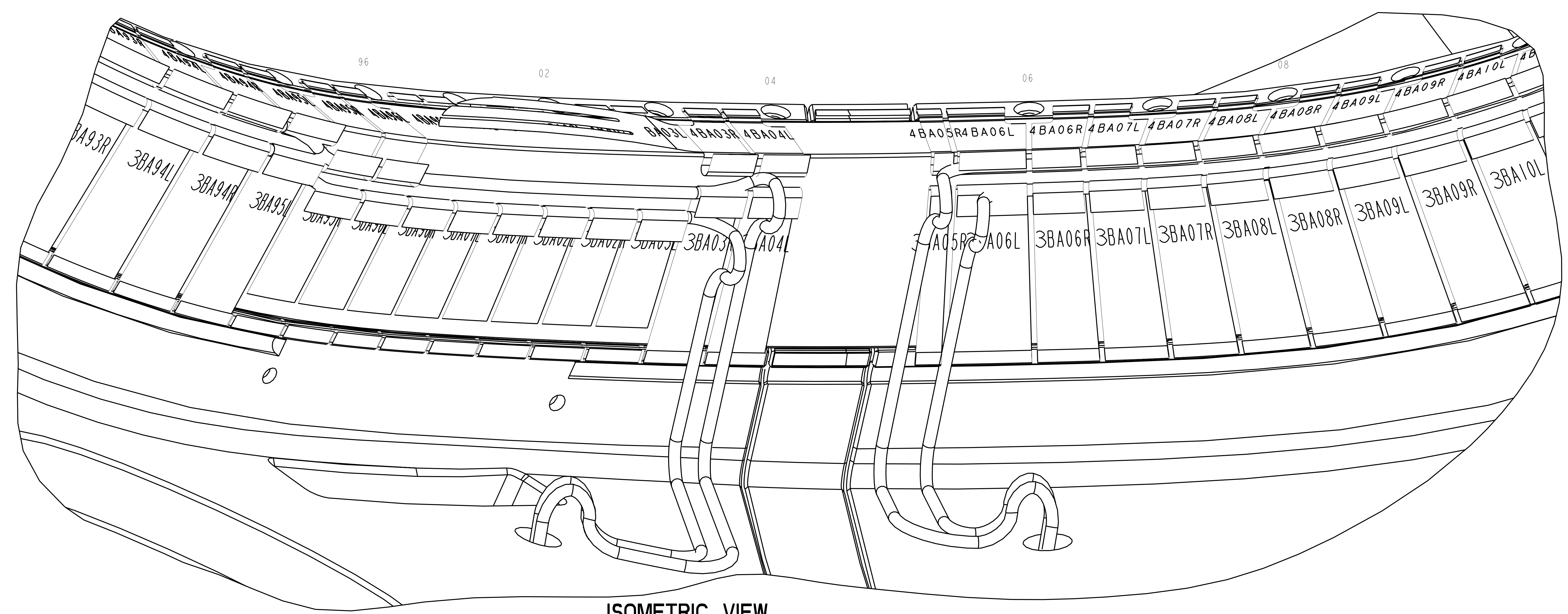
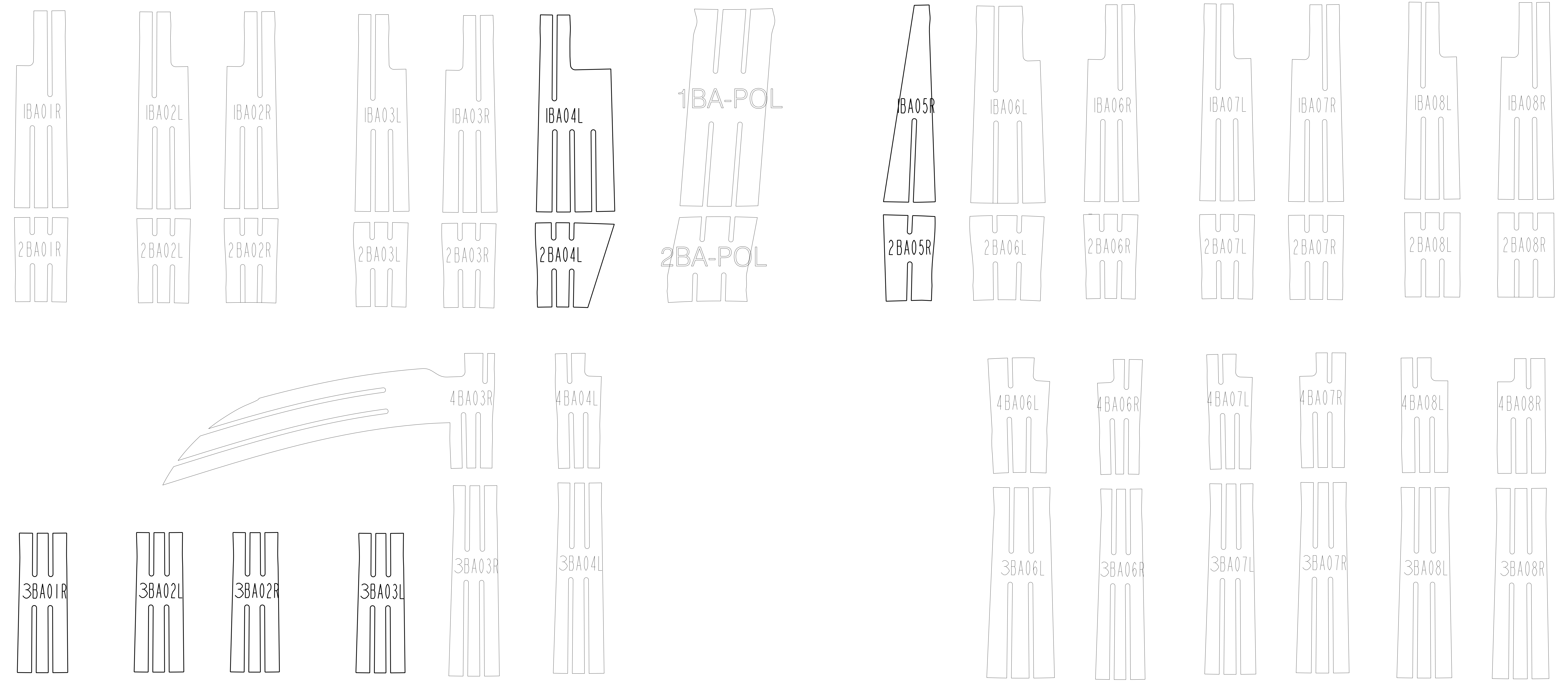
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
0	X-10	5700	3	I	13	S	U
RELEASE LEVEL		SE142B-252					
Fabrication							

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

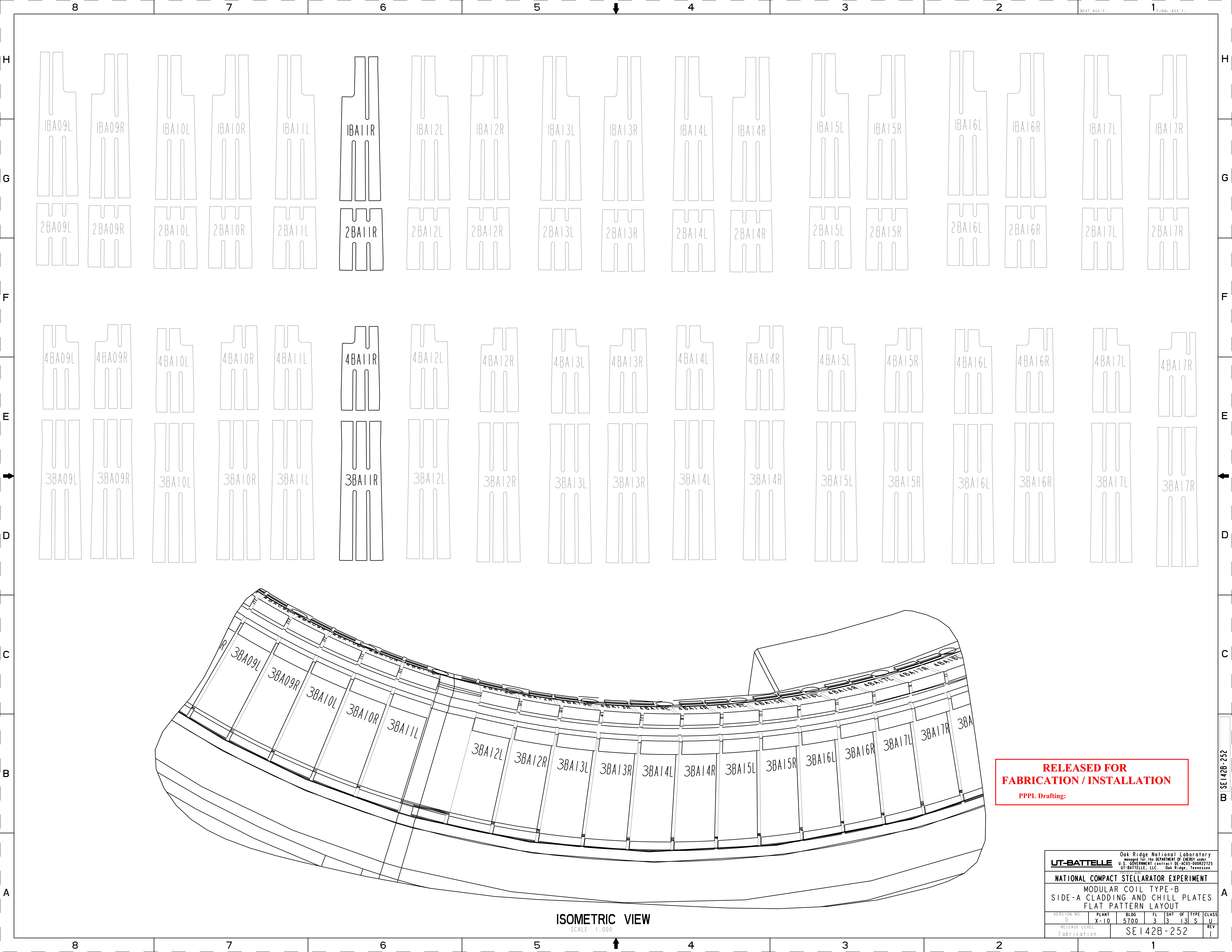
DES	D. WILLIAMSON	3/06
DRW	G. LOVETT	3/06
CHK	M. COLE	3/06
SECT	:	:
DEPT	:	:
PE	D. WILLIAMSON	3/06
CR	:	:
PJ	:	:
REQ	:	:
BREAK SHARP EDGES OR MAX FINISH	:	:
PPPL DRFT	J. SIEGEL	3/06
DRAWING APPROVALS	DATE	



ISOMETRIC VIEW
SCALE 1.00

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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-B			
SIDE-A CLADDING AND CHILL PLATES			
FLAT PATTERN LAYOUT			
VERSION NO.	PLANT	BLDG	FL SHT OF TYPE CLASS
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RELEASE LEVEL		Fabrication	
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ISOMETRIC VIEW
SCALE 1:000

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-B 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 142B-252							
Fabrication									

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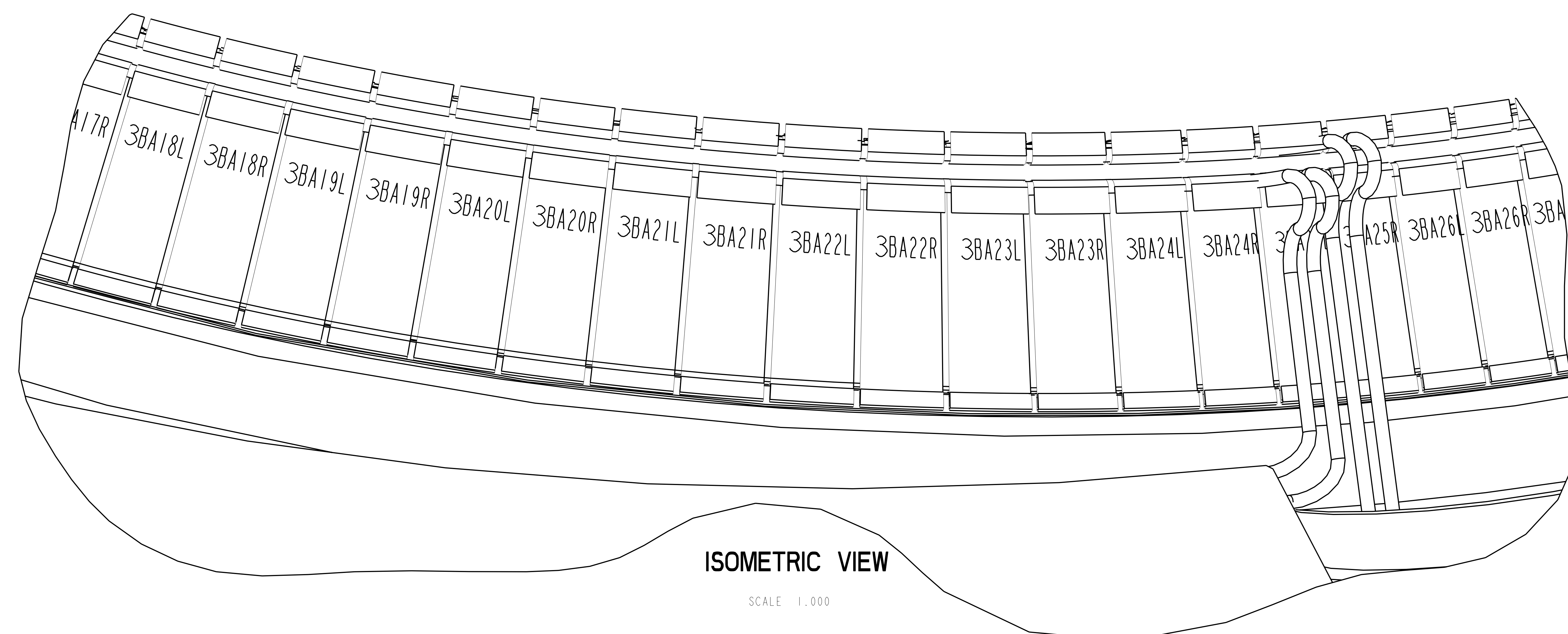
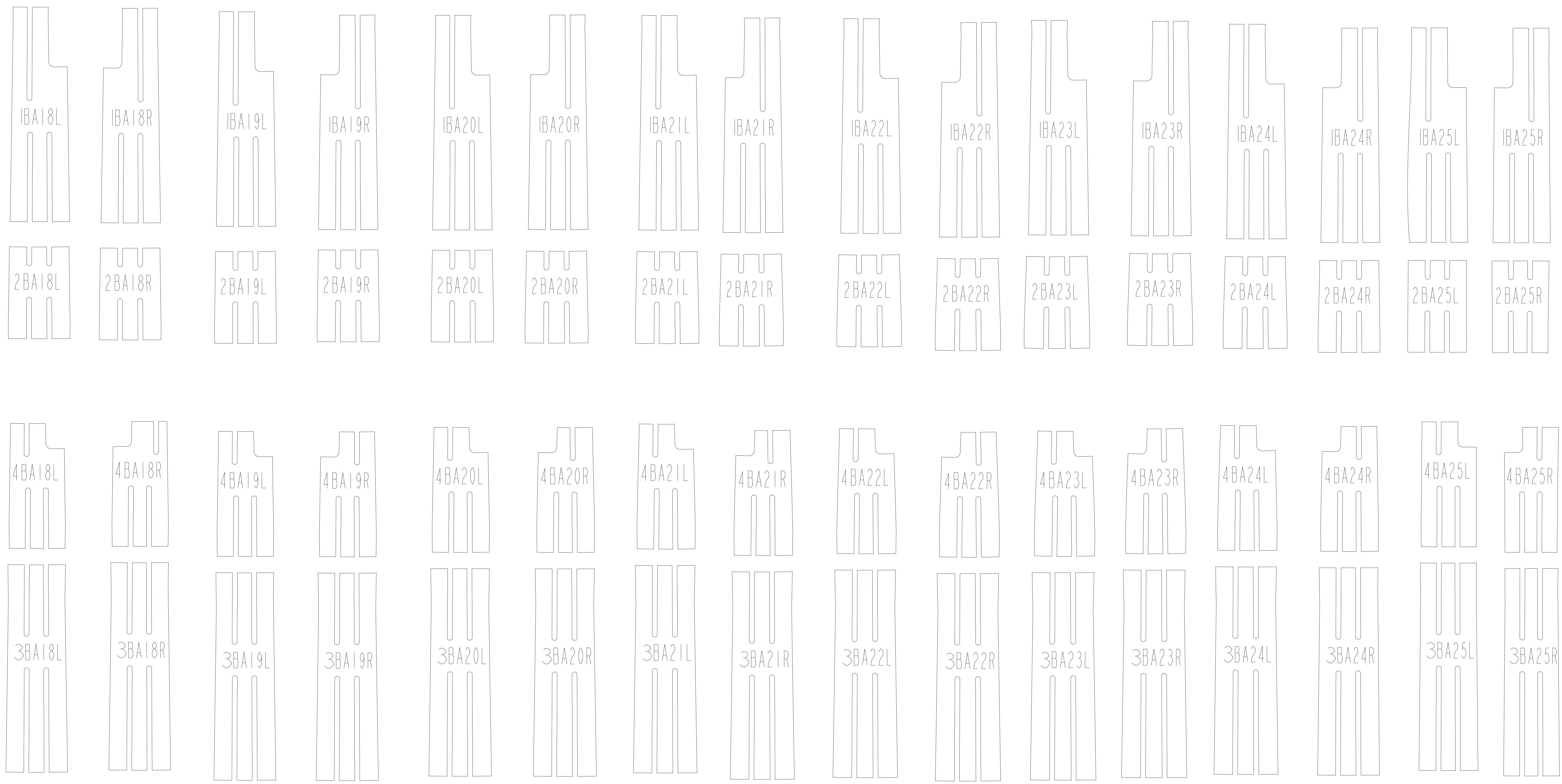
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NEXT ASS'Y: 1 FINAL ASS'Y:



ISOMETRIC VIEW

SCALE 1:1.000

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NATIONAL COMPACT STELLARATOR EXPERIMENT										
MODULAR COIL TYPE-B SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT										
VERSION NO:	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS			
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Fabrication										1

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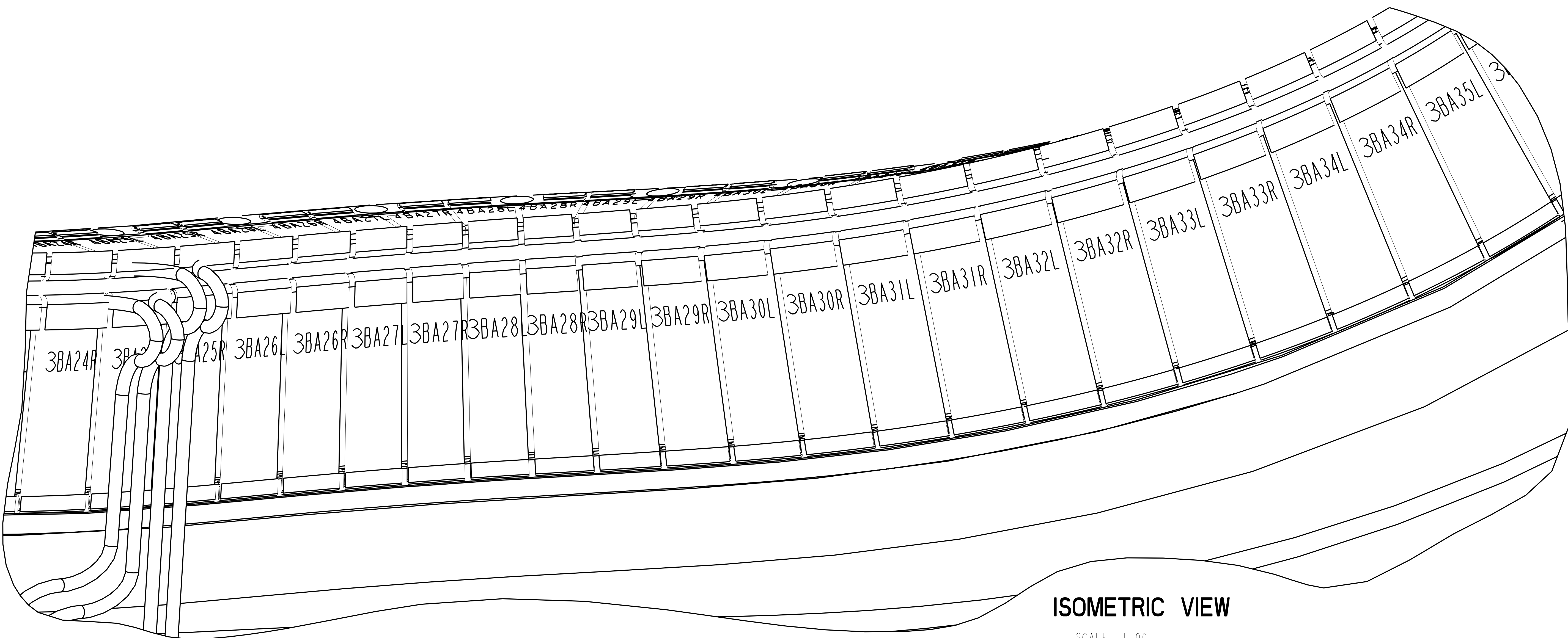
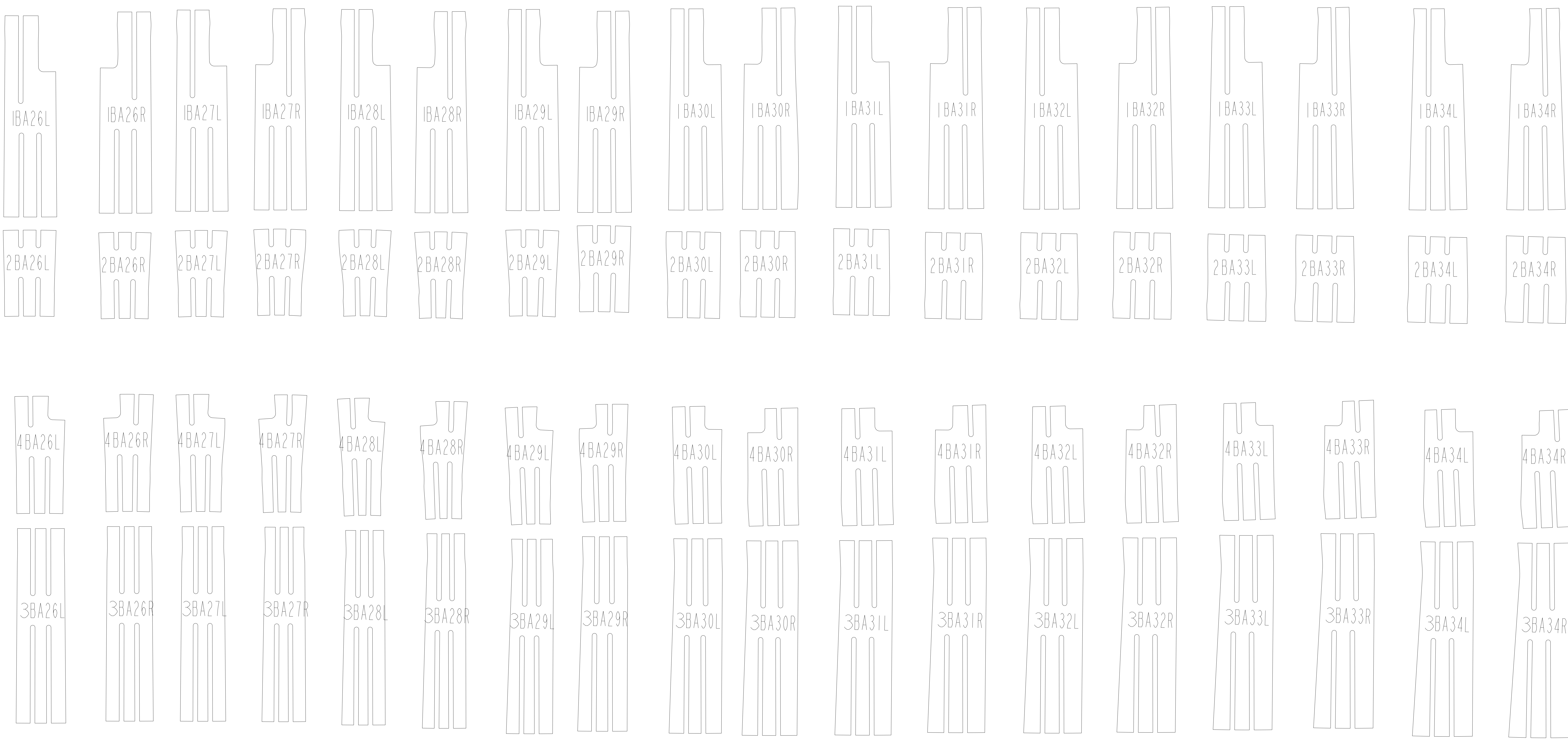
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SE 142B-252



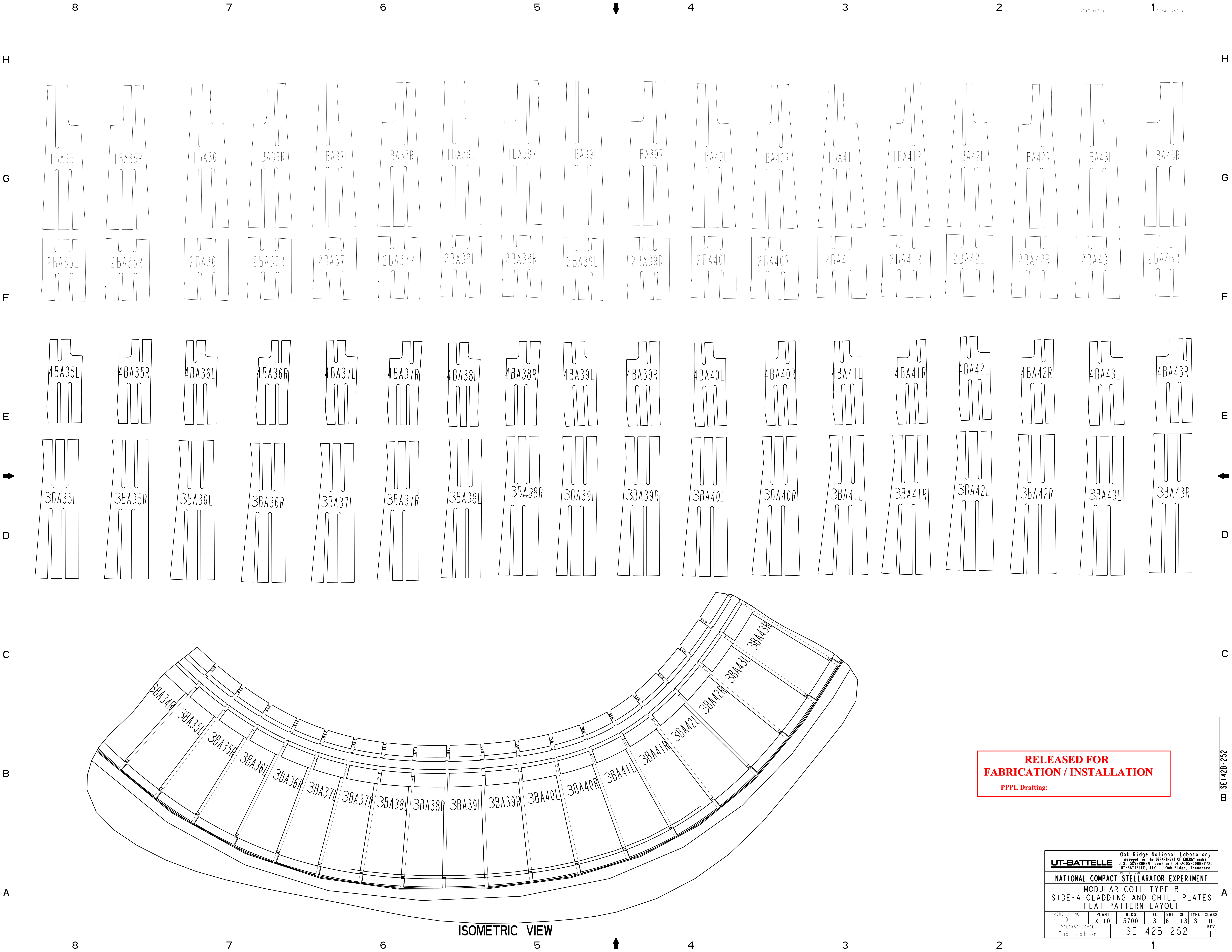
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FABRICATION / INSTALLATION**

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PROJECT NAME			
NATIONAL COMPACT STELLARATOR EXPERIMENT			
MODULAR COIL TYPE-B SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT			
VERSION NO.	PLANT	BLDG	FL
0	X-10	5700	3
RELEASE LEVEL	SHT	OF	TYPE
Fabrication	5	13	S
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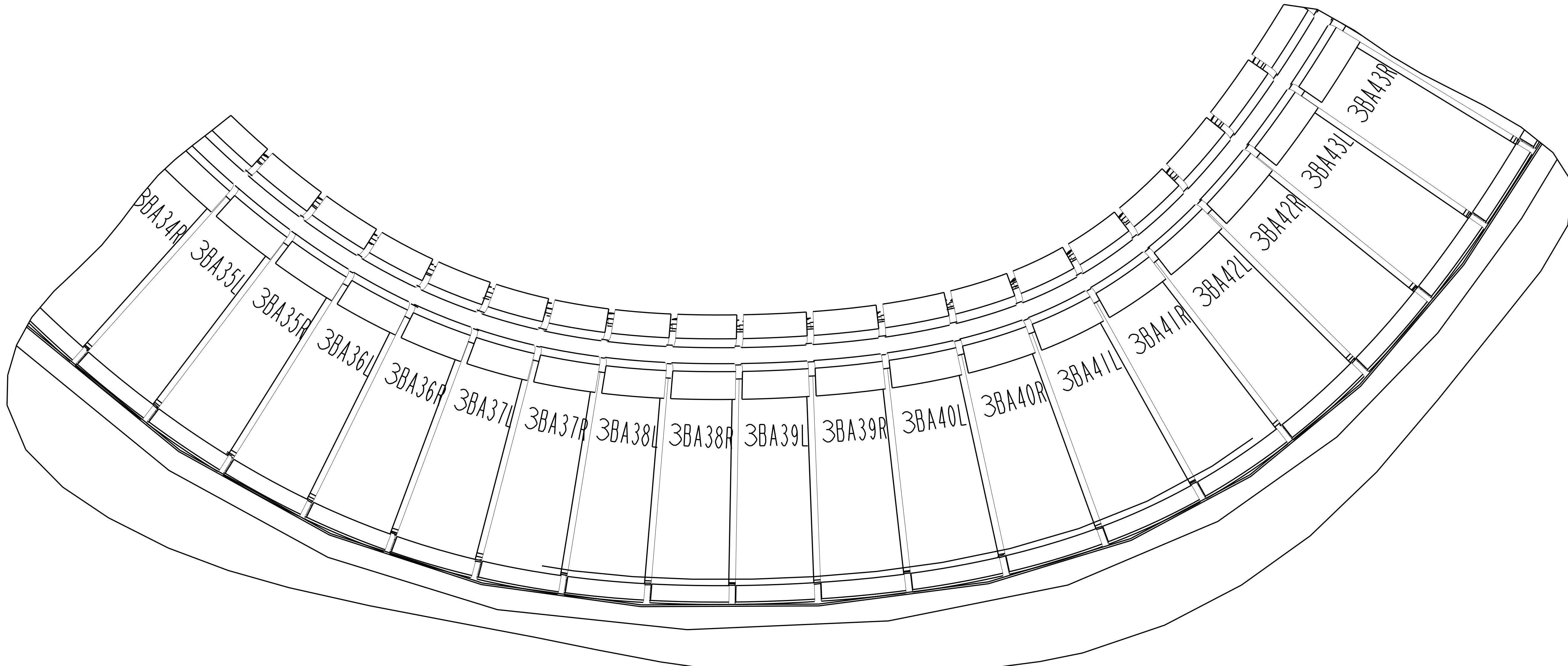
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NATIONAL COMPACT STELLARATOR EXPERIMENT							
MODULAR COIL TYPE-B SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT							
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
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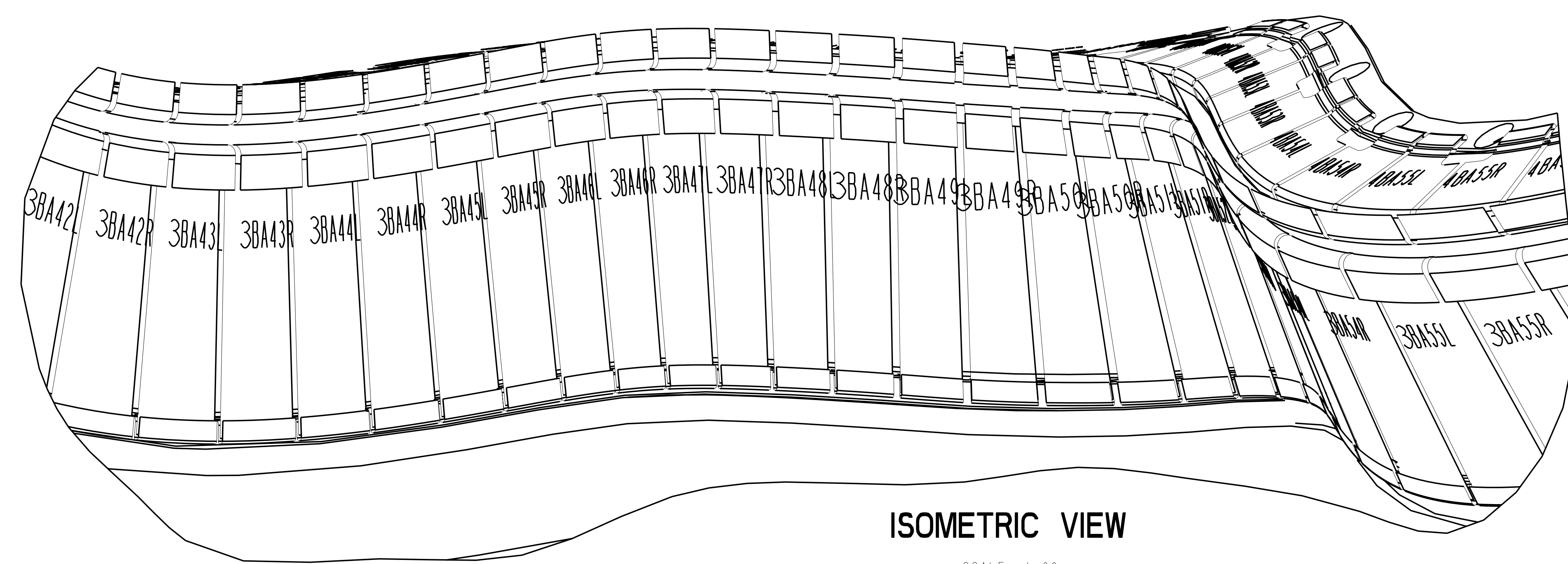
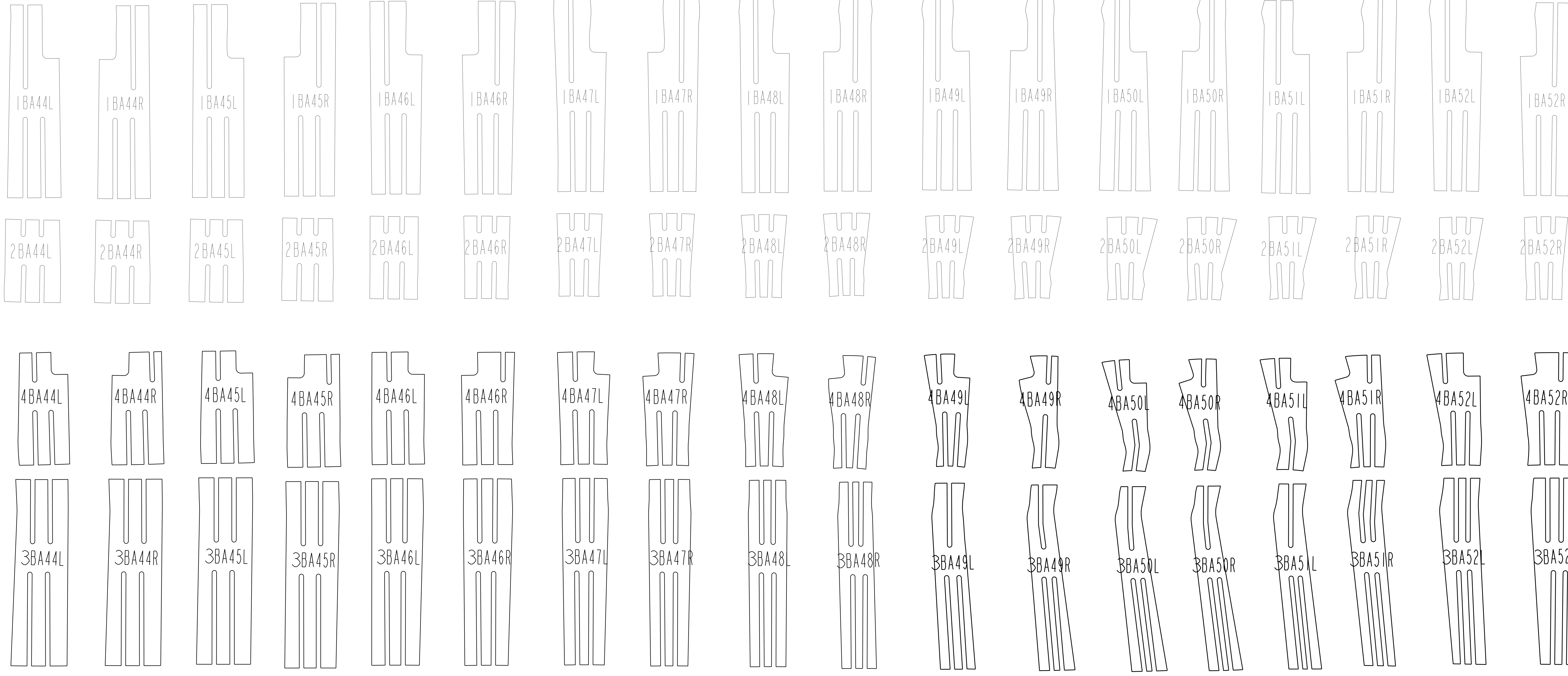
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NEXT ASS'Y: 1 FINAL ASS'Y:



ISOMETRIC VIEW

SCALE 1.00

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PROJECT NAME			
NATIONAL COMPACT STELLARATOR EXPERIMENT			
MODULAR COIL TYPE-B SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT			
VERSION NO.	PLANT	BLDG	FL
0	X-10	5700	3
RELEASE LEVEL	SHT	OF	TYPE
Fabrication	13	13	S
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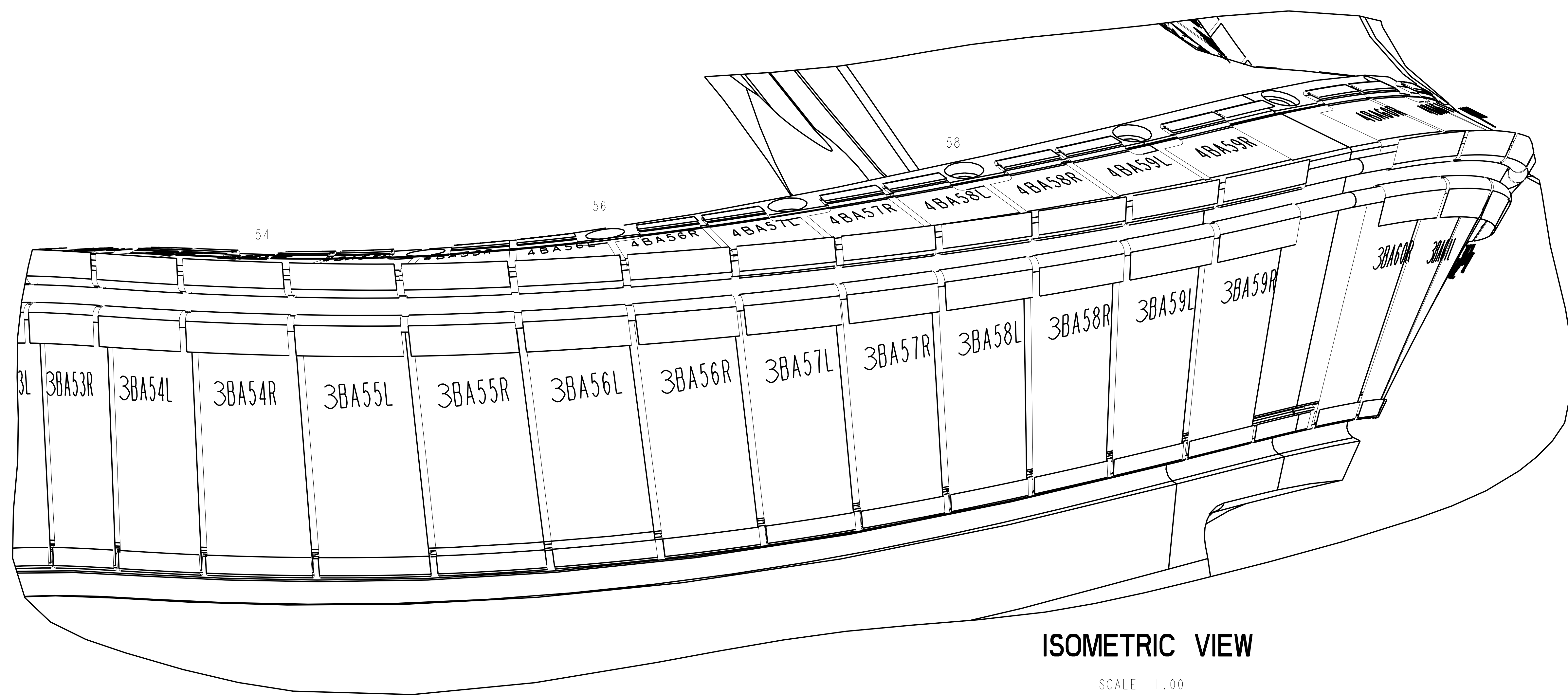
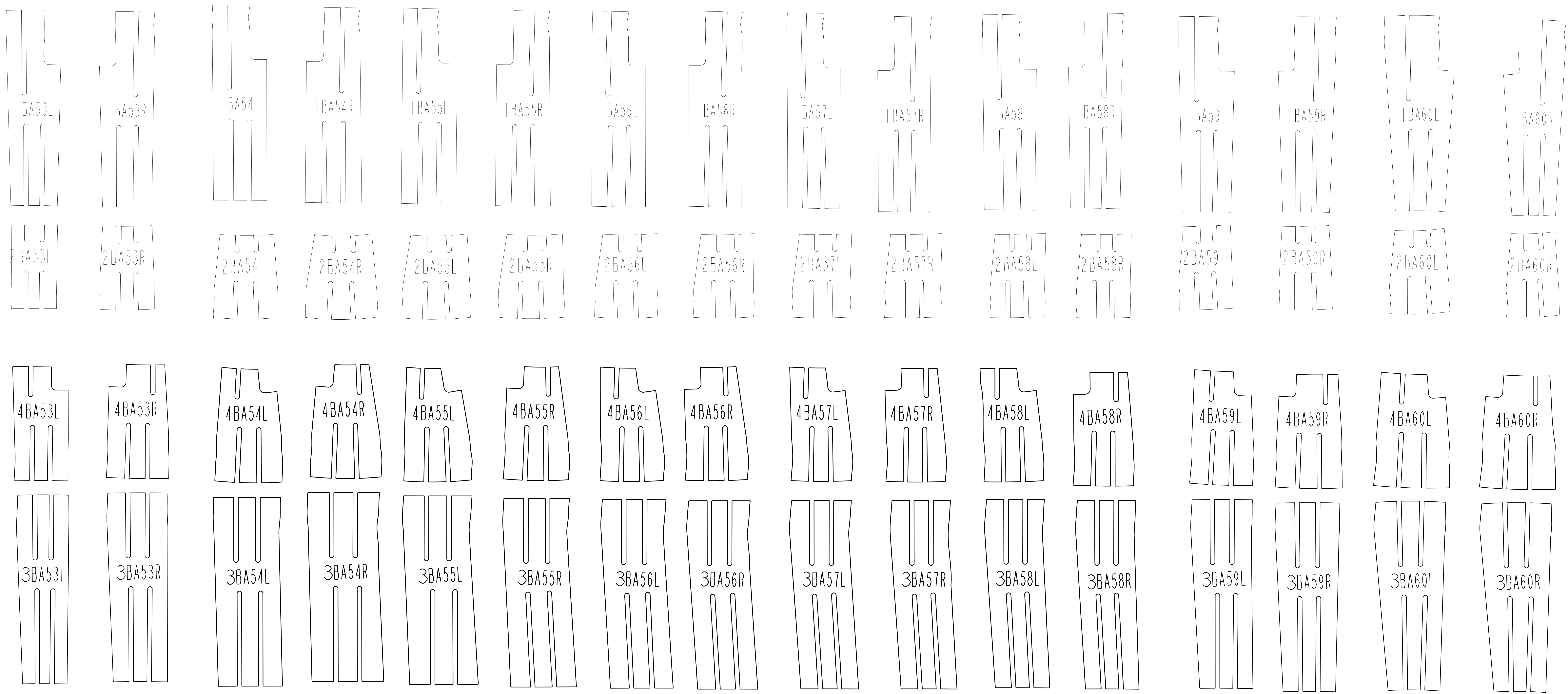
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NATIONAL COMPACT STELLARATOR EXPERIMENT							
MODULAR COIL TYPE-B SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT							
VERSION NO:	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
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RELEASE LEVEL		SE 142B-252				REV	
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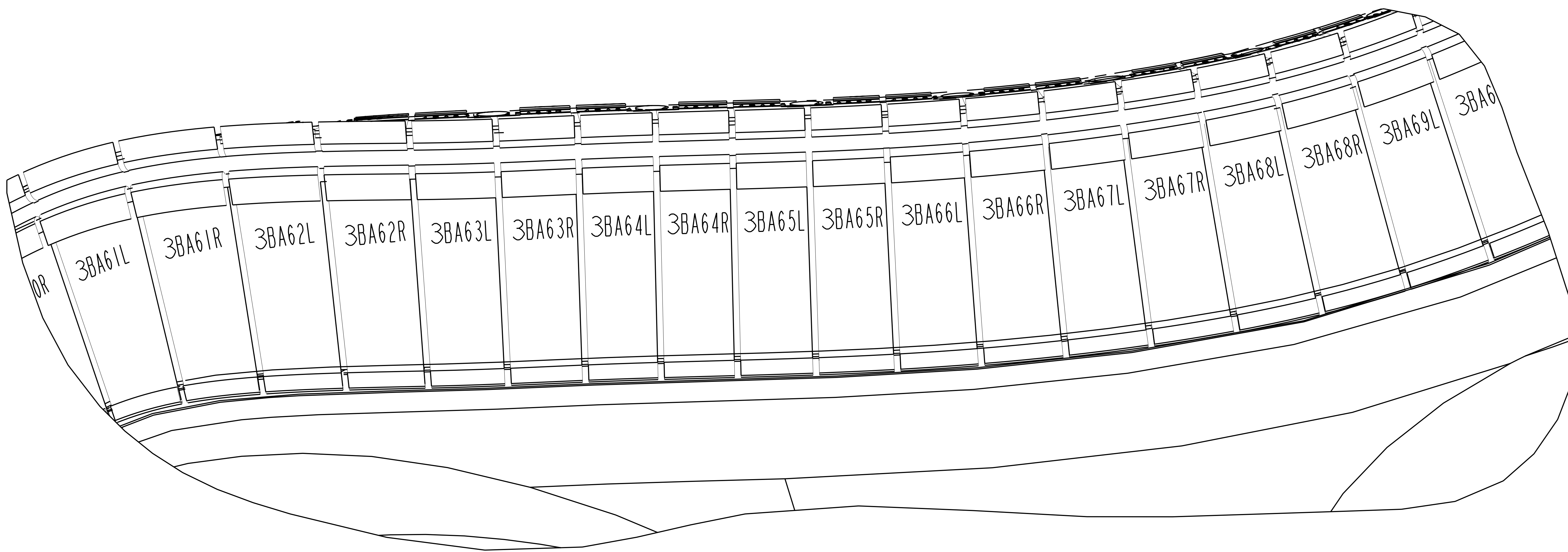
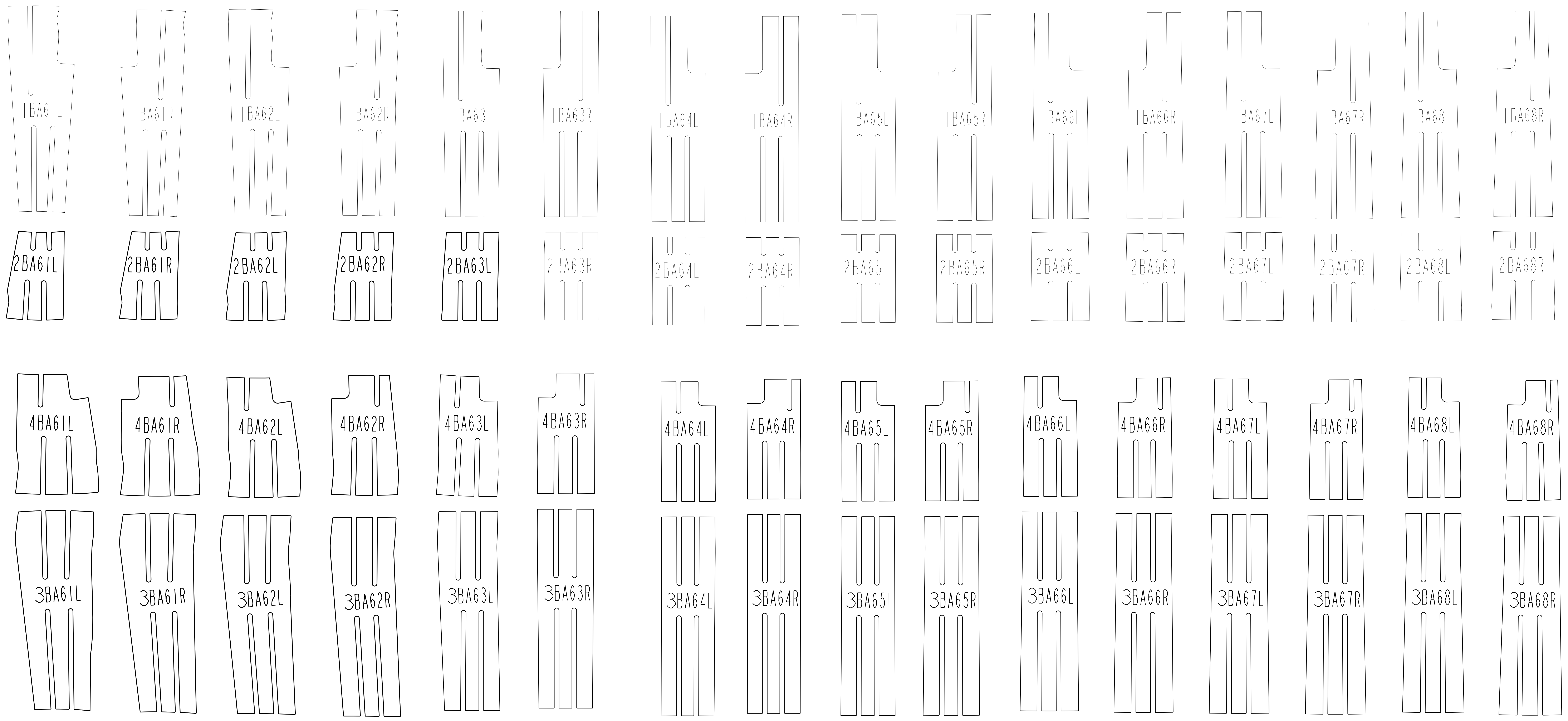
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NEXT ASS'Y: 1 FINAL ASS'Y:



ISOMETRIC VIEW

SCALE 1:1000

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NATIONAL COMPACT STELLARATOR EXPERIMENT MODULAR COIL TYPE-B SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT							
VERSION NO:	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
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NEXT ASS'Y: 1 FINAL ASS'Y:

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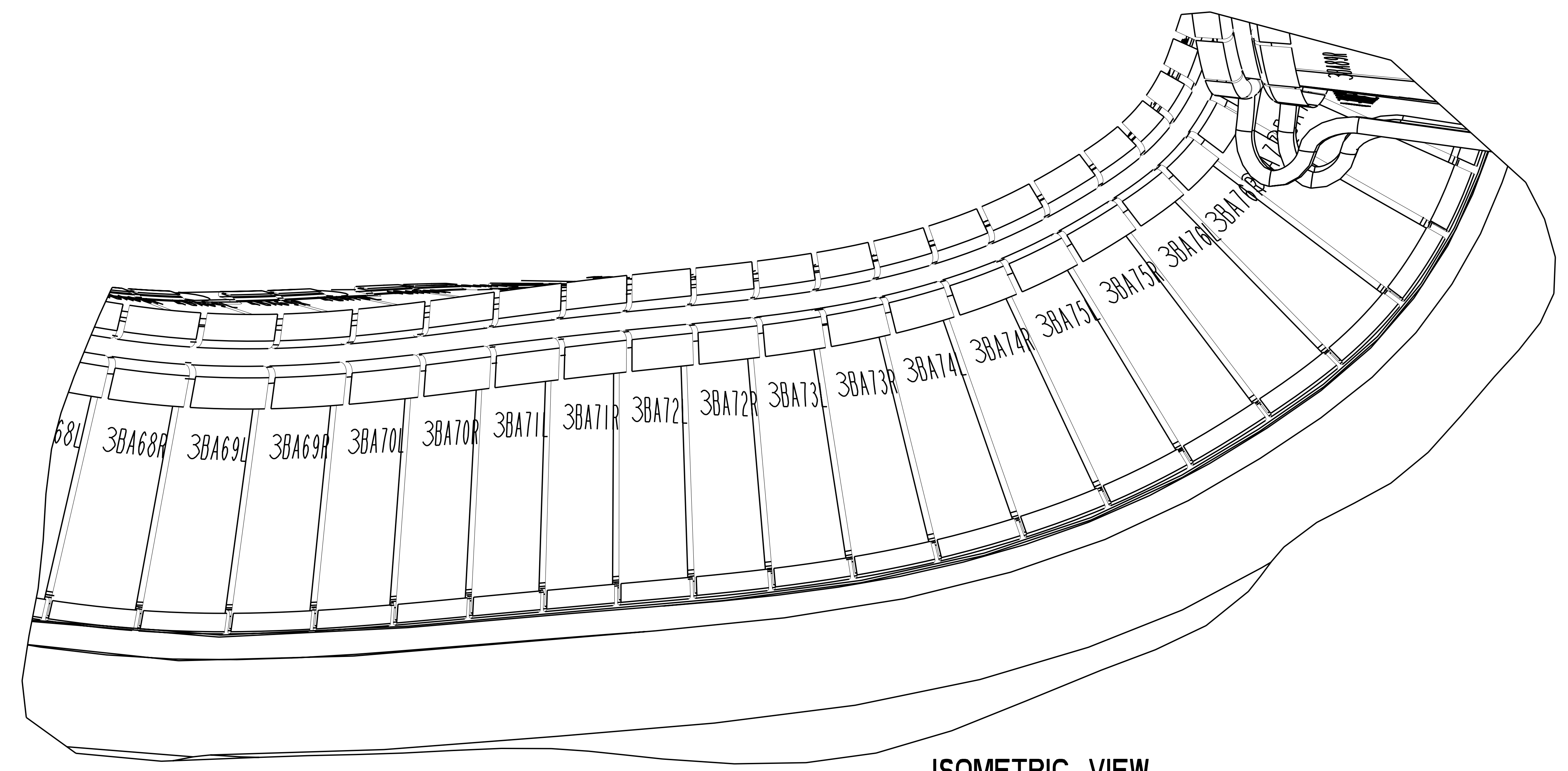
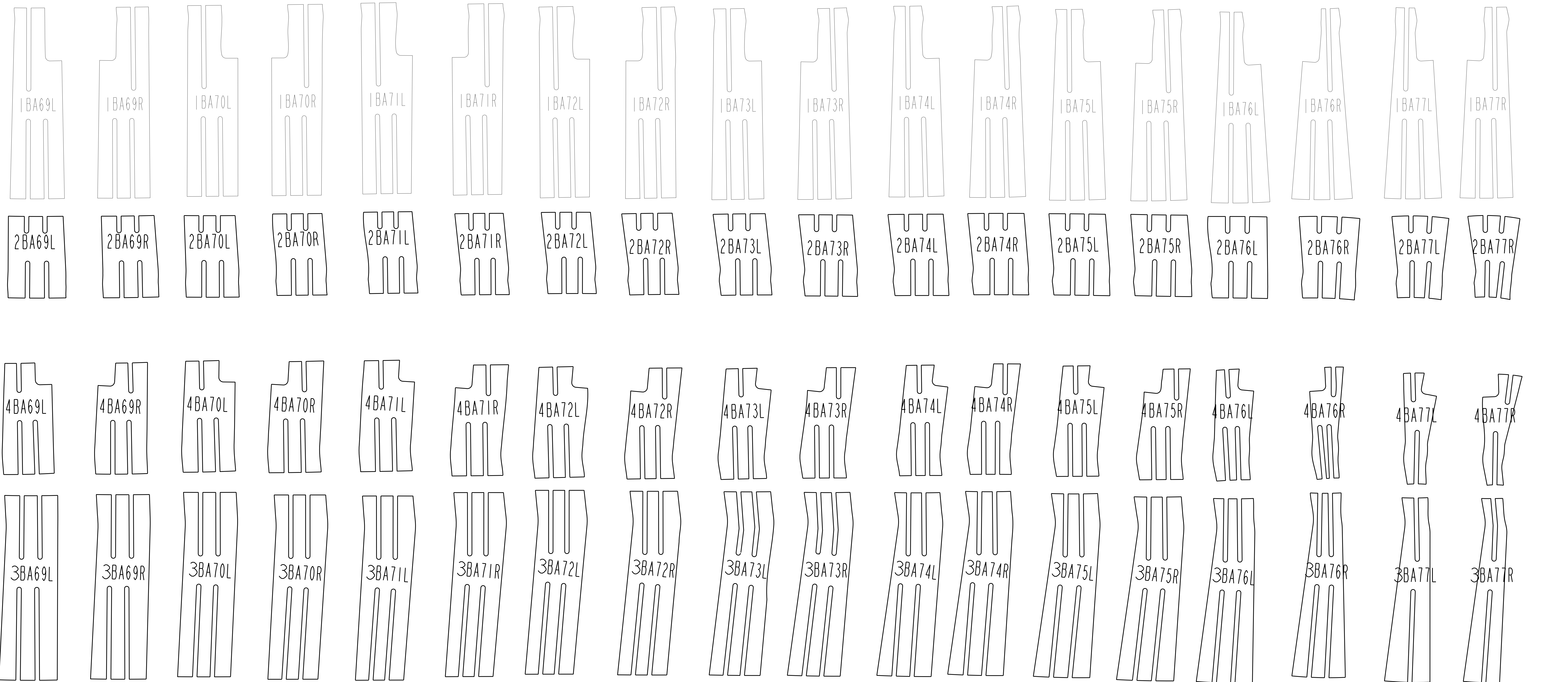
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ISOMETRIC VIEW

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NATIONAL COMPACT STELLARATOR EXPERIMENT							
MODULAR COIL TYPE-B SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT							
VERSION NO: 0	PLANT X-10	BLDG 5700	FL 3	SHT OF 10	TYPE 13	CLASS S	U
RELEASE LEVEL Fabrication		SE 142B-252				REV 1	

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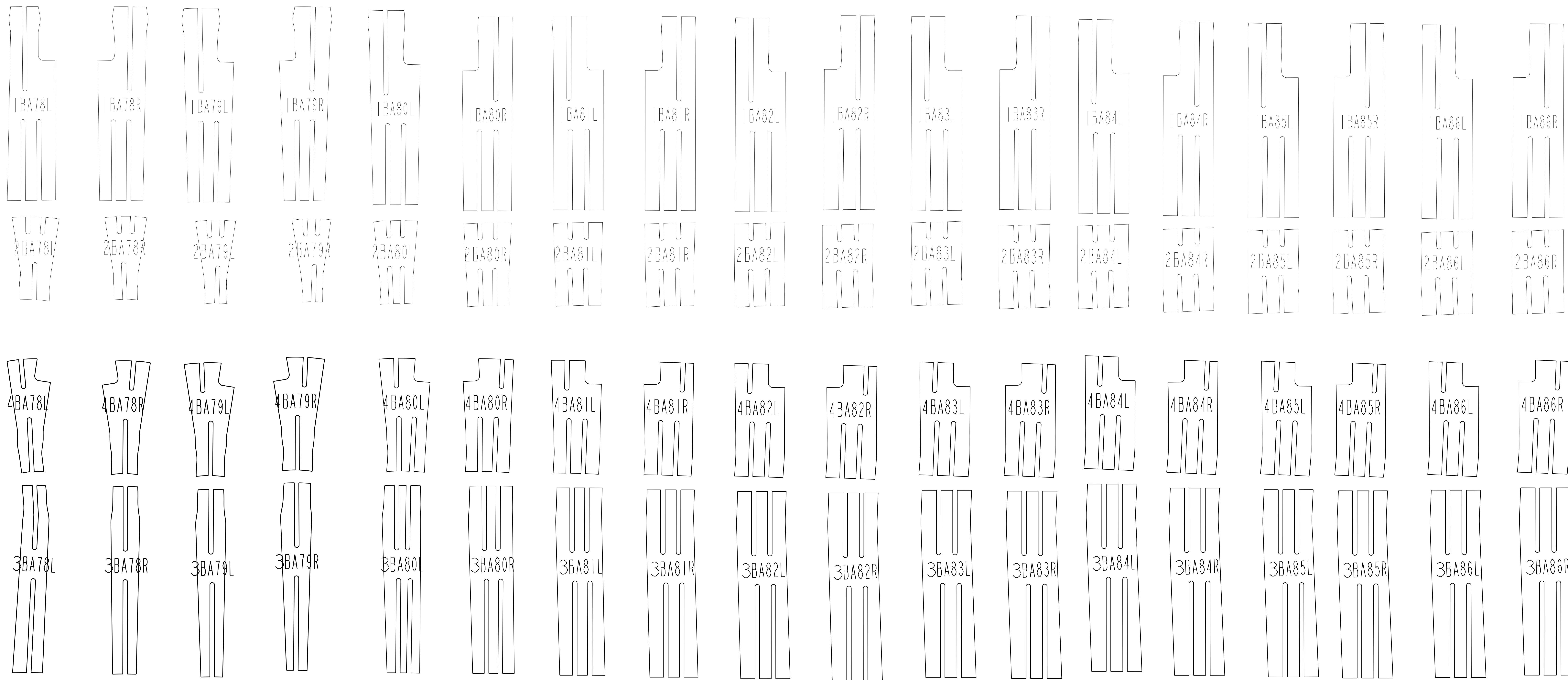
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NEXT ASS'Y: 1 FINAL ASS'Y:



ISOMETRIC VIEW
SCALE 1.00

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NATIONAL COMPACT STELLARATOR EXPERIMENT							
MODULAR COIL TYPE-B SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT							
VERSION NO:	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
0	X-10	5700	3	1	13	S	U
RELEASE LEVEL		SE 142B-252				REV	
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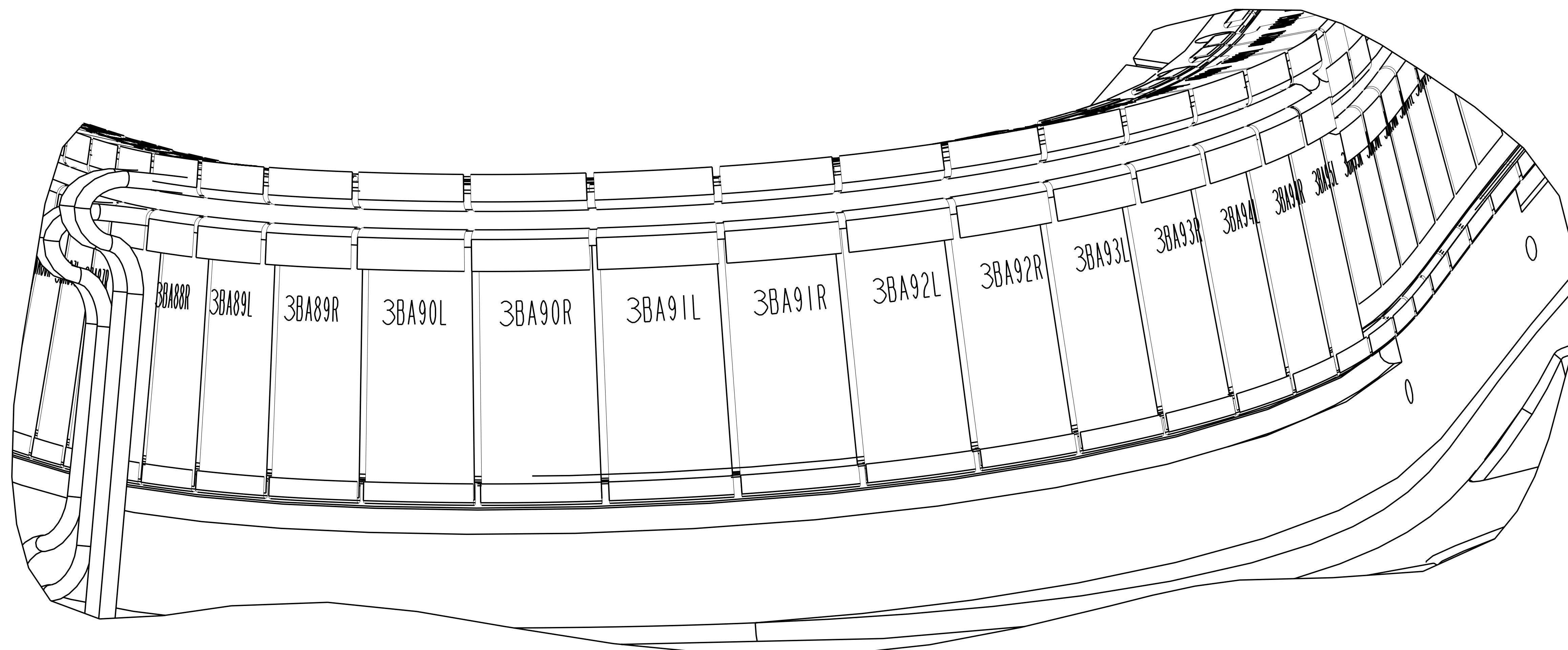
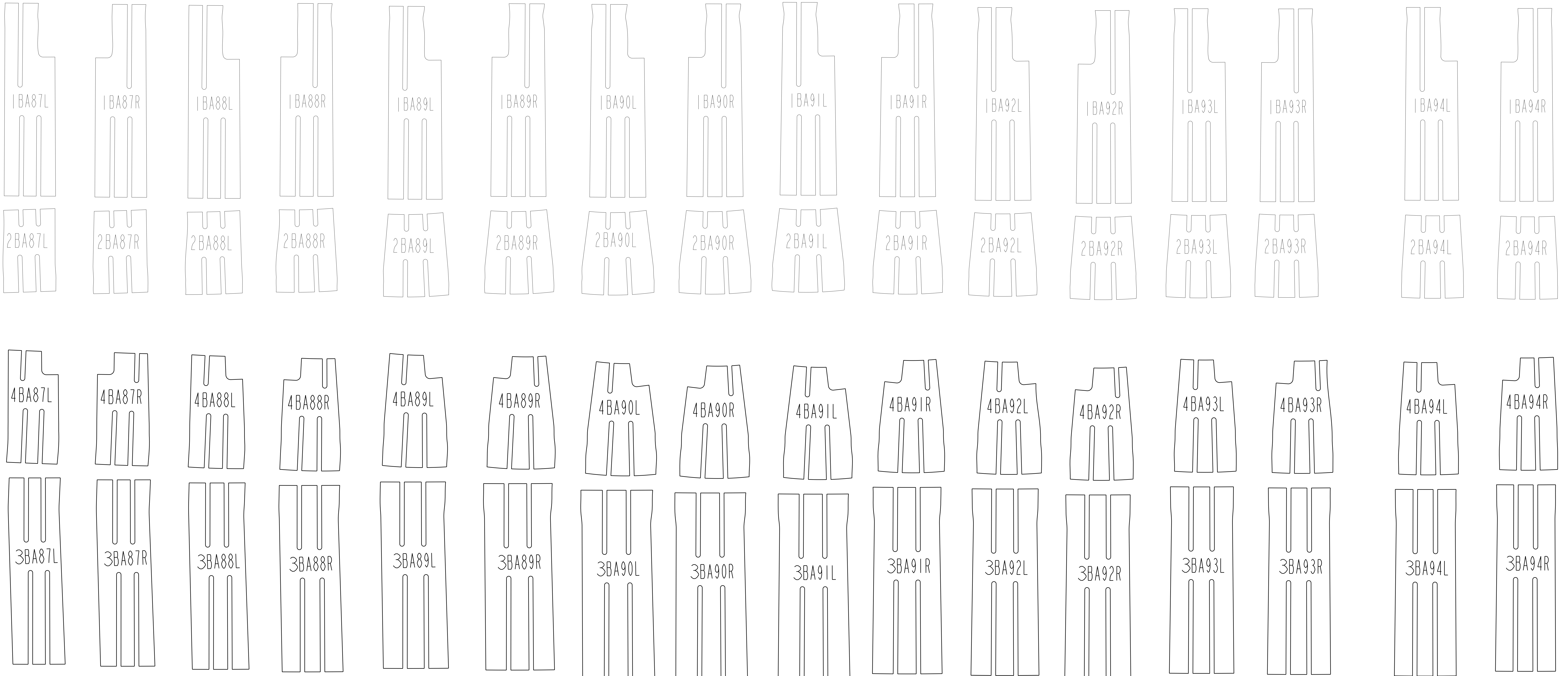
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ISOMETRIC VIEW

SCALE 1:000

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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 <small>PROJECT NAME</small>							
NATIONAL COMPACT STELLARATOR EXPERIMENT							
MODULAR COIL TYPE-B SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT							
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
0	X-10	5700	3	12	13	S	U
RELEASE LEVEL		SE 142B-252		REV		I	
Fabrication							

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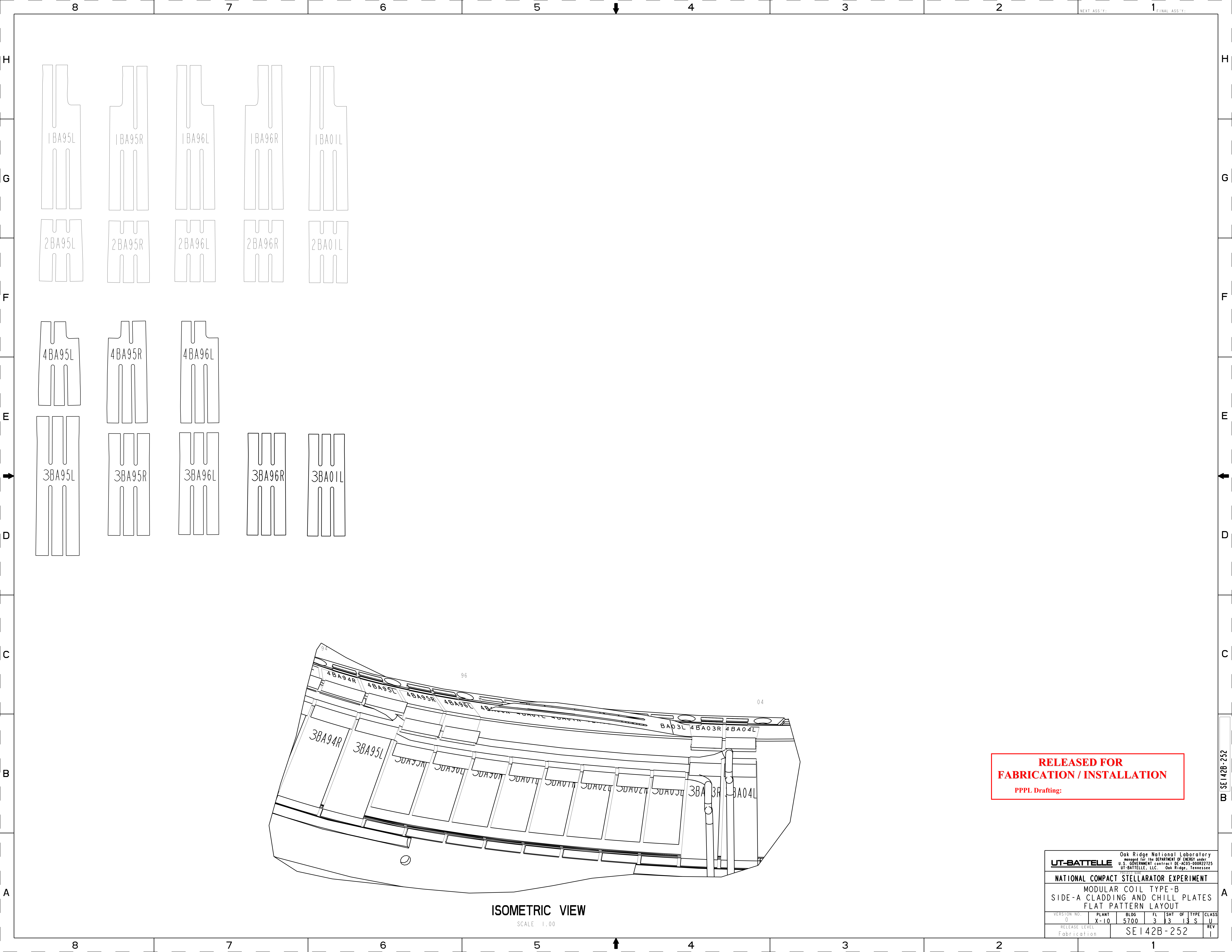
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SE 142B-252



ISOMETRIC VIEW

SCALE 1.00

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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 <small>PROJECT NAME</small>							
NATIONAL COMPACT STELLARATOR EXPERIMENT							
MODULAR COIL TYPE-B SIDE-A CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT							
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
0	X-10	5700	3	13	13	S	U
RELEASE LEVEL		SE 142B-252				REV	
Fabrication						1	