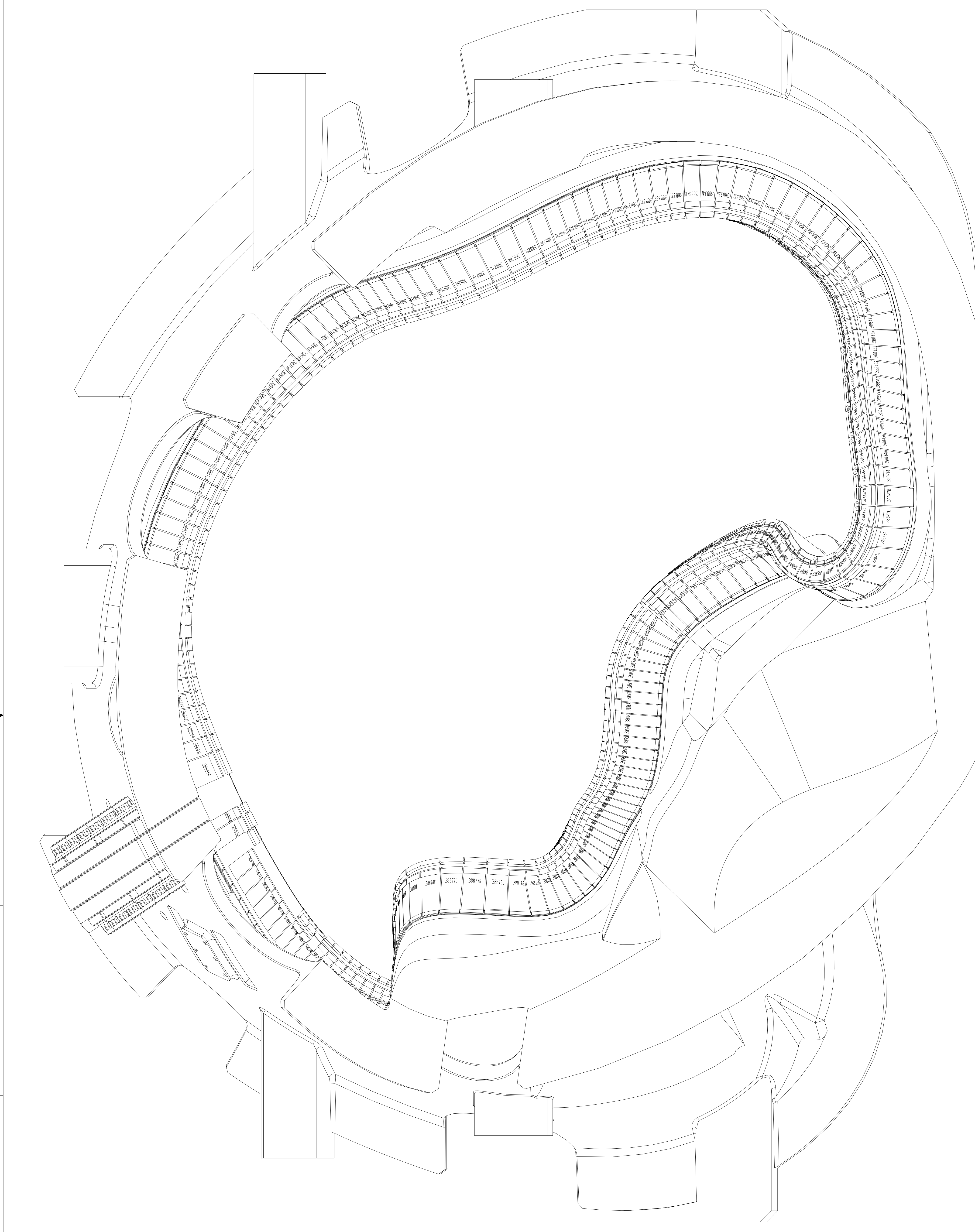
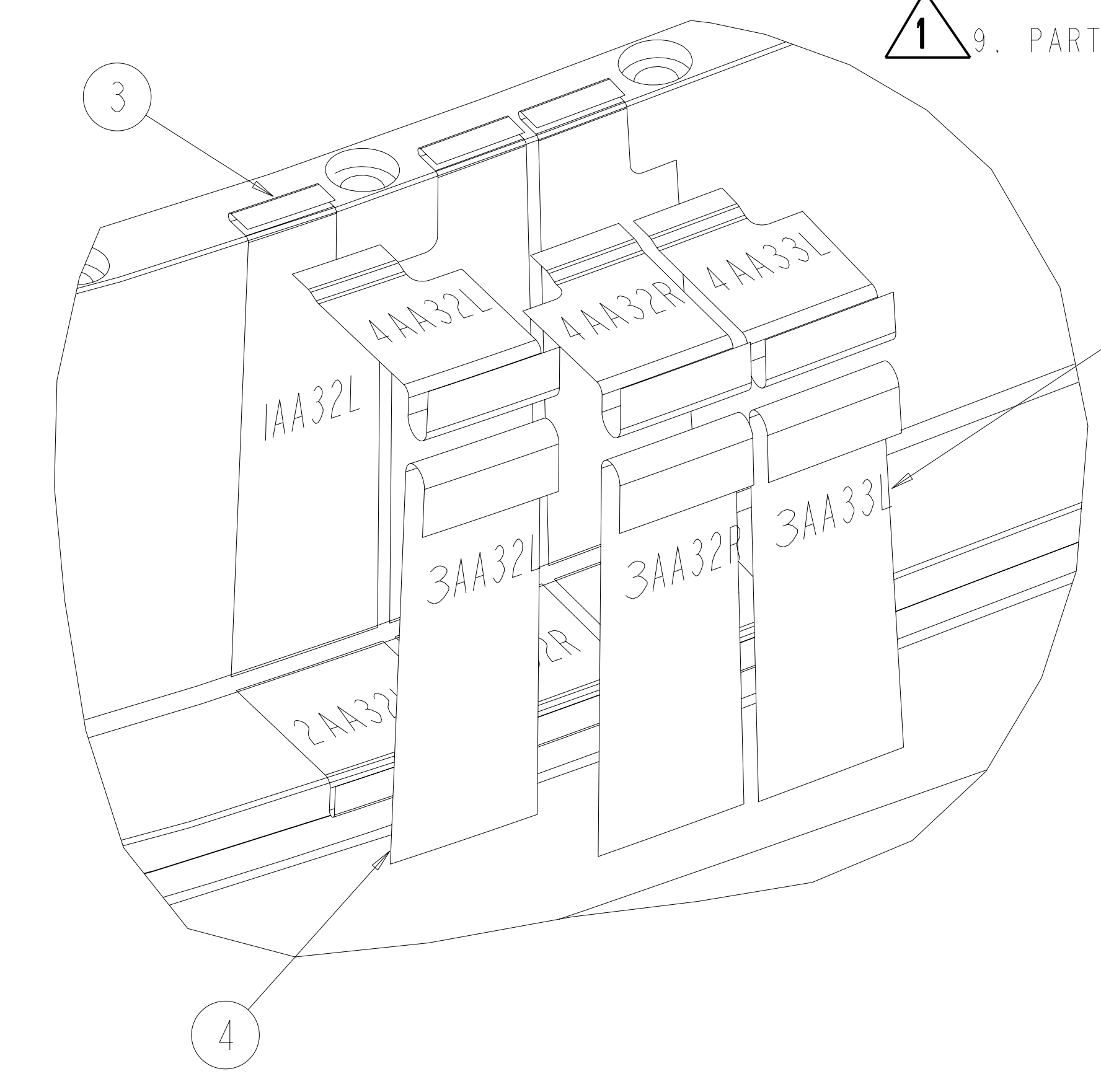


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① TYPE-B SIDE-B-ASM
SCALE 0.250

- 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 SEI42B-245.PRT AND SEI42B-247.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. PARTS INDICATED TO BE NEMA GRADE GIICR MATERIAL.

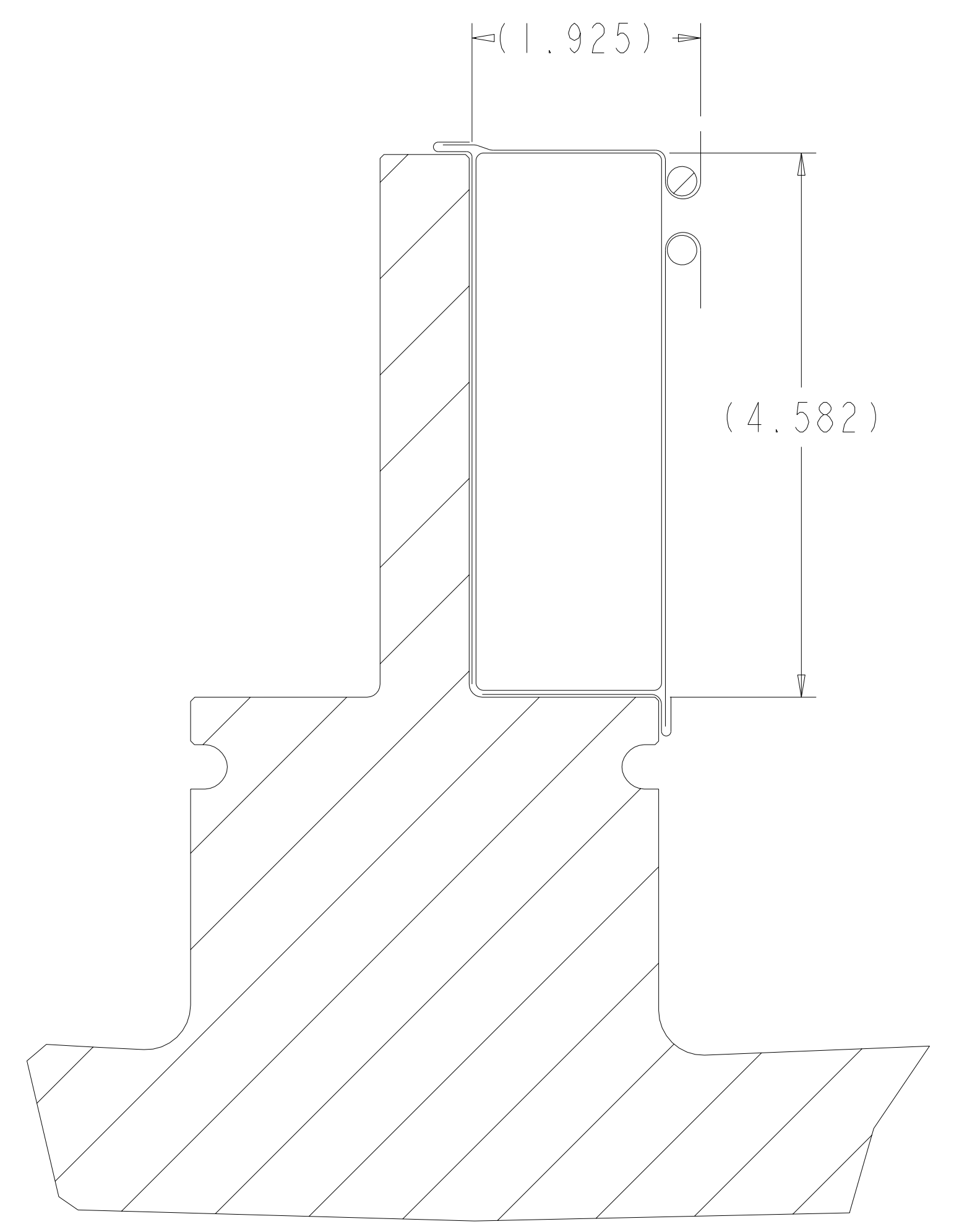


PART LABEL:

1 - A - A - XX - L
 2 - B - B - XX - R
 3 - C - XX - L
 4 - C - XX - R

← COIL SIDE TYPE
 ← HOLER NO.

WEB CLADDING 1
 BASE CLADDING 2
 LOWER CHILL PLATE 3
 UPPER CHILL PLATE 4



TYPICAL SECTION
SCALE 1.00

378	SEI42B-246	CHILL PLATES	①	COPPER, ANNEALED UNS C10100, C10200, C11000 ETP OR NEMA GRADE GIICR (NOTED)	4
386	SEI42B-244	CLADDING	①	COPPER, ANNEALED UNS C10100, C10200, C11000 ETP OR NEMA GRADE GIICR (NOTED)	3
I	SEI41-115-SIM	TYPE-B MODULAR COIL WINDING FORM			2
AR X	-I	TYPE-B SIDE-A CLADDING AND CHILL PLATES			1
SEI40-101	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPECIFICATION	FIND NO
NEXT ASSEMBLY					PARTS LIST

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PPPL Drafting:

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P THIS DRAWING PRODUCED ON PRO-ENGINEER

SCALE NOTED	DES: D WILLIAMSON 6-06	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 - B CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT
TOLERANCES UNLESS OTHERWISE SPECIFIED	DRW: G LOVETT 6-06	
FRACTIONS	CHK: M COLE 6-06	
XX DECIMALS ±.01	FE: D WILLIAMSON 6-06	
XXX DECIMALS ±.005	DEPT: :	VERSION NO. 4
ANGLES ±0°15'	PE: :	PLANT X-10
BREAK SHARP EDGES OR MAX FINISH .125 UNLESS OTHERWISE SPECIFIED	REG: :	BLDG 5700
	REV: :	FL SHT OF 3
		TYPE U
		CLASS S
		REV I
		SEI42B-242
		Fabrication

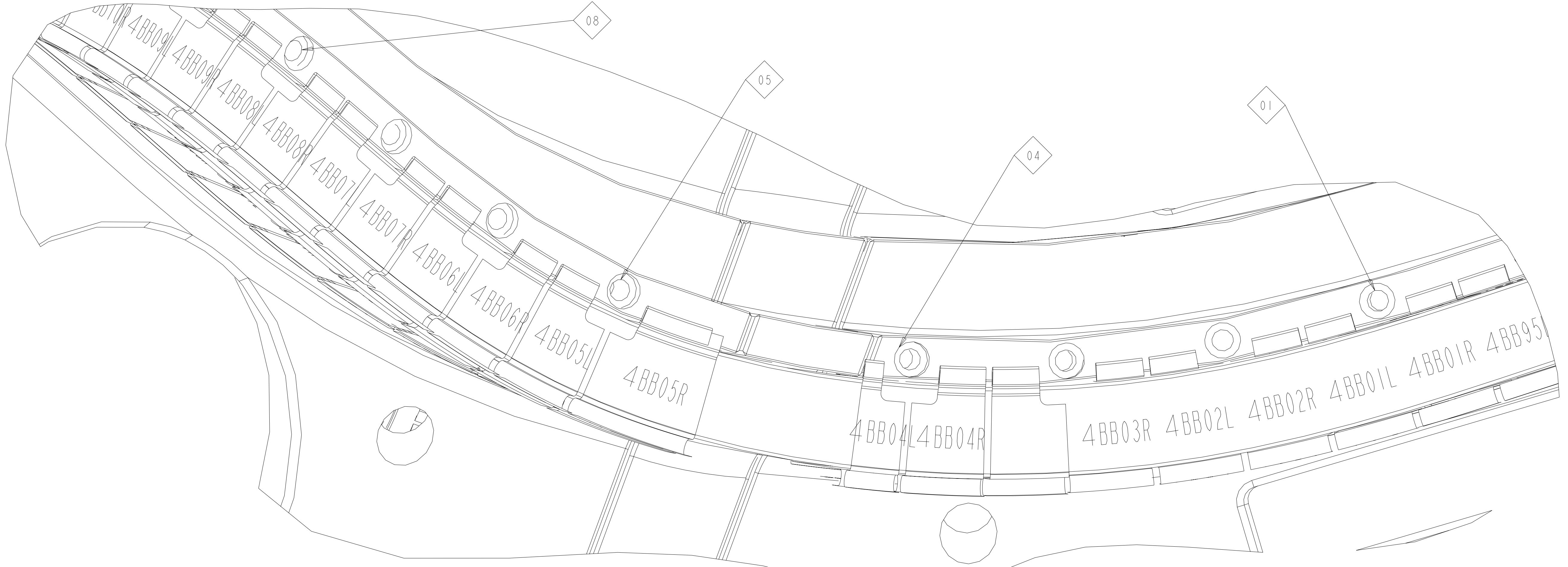
REVISION OR ISSUE PURPOSE	BY	DATE	CHK	DEPT	DATE	PE	REG	DATE	ORNL	DOE	DATE
1 REVISE PARTS AND DRAWING PER ECN 5140	GLL	7-06	MJC	DEW							



NO CHILL PLATE

1 PARTS TO BE NEMA GRADE GI1CR

1 SEE SHEET 11



PARTIAL ISOMETRIC VIEW
SCALE 1.00

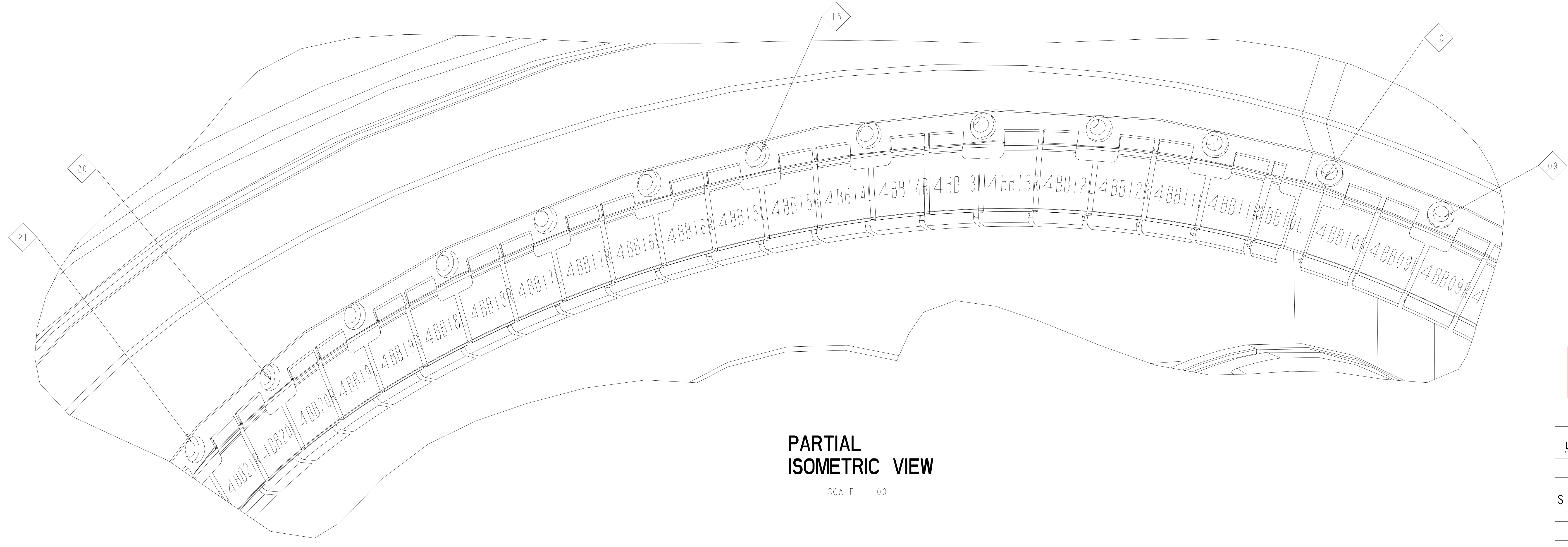
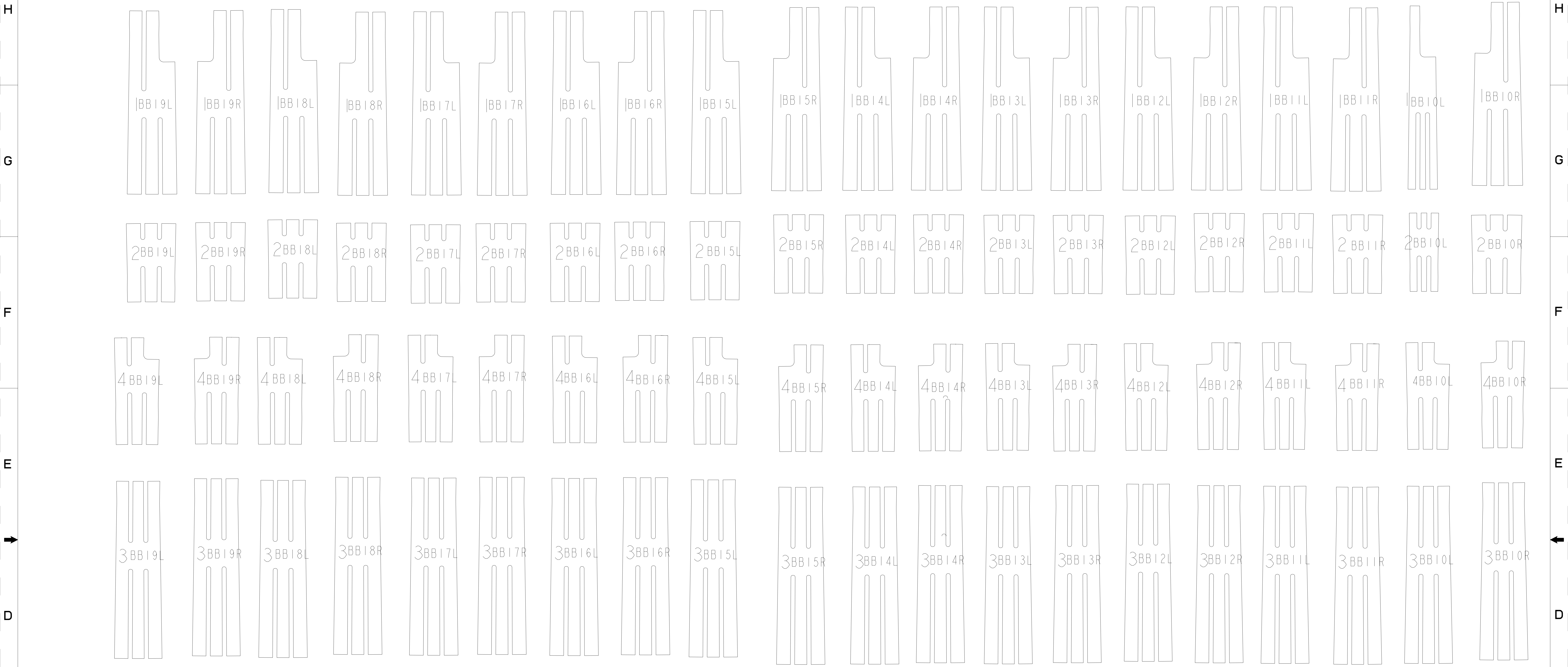
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Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT CONTRACT DE-AC05-00OR22725 UT-BATTELLE, LLC., Oak Ridge, Tennessee PROJECT NAME:									
NATIONAL COMPACT STELLARATOR EXPERIMENT MODULAR COIL TYPE - B SIDE - B CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT									
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS		
4	X-10	5700	3	2	11	U	S		
RELEASE LEVEL		SE 142B-242							
Fabrication									

242-02135

8 7 6 5 4 3 2 1

NEXT ASS'Y: 1 FINAL ASS'Y:



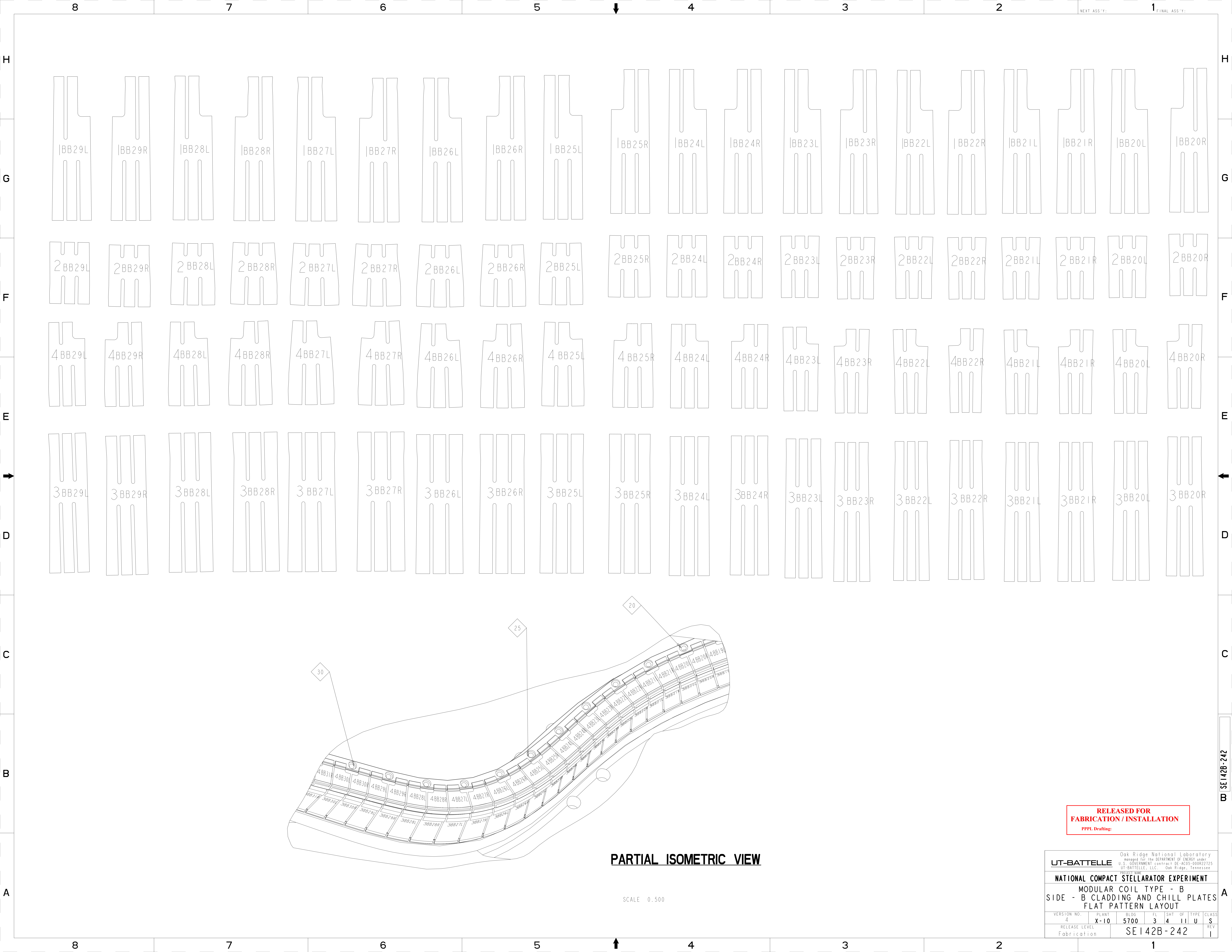
PARTIAL ISOMETRIC VIEW
SCALE 1.00

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NATIONAL COMPACT STELLARATOR EXPERIMENT										MODULAR COIL TYPE - B									
SIDE - B CLADDING AND CHILL PLATES										FLAT PATTERN LAYOUT									
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS												
4	X-10	5700	3	3	11	U	S												
RELEASE LEVEL										SE 142B-242									
Fabrication										REV 1									

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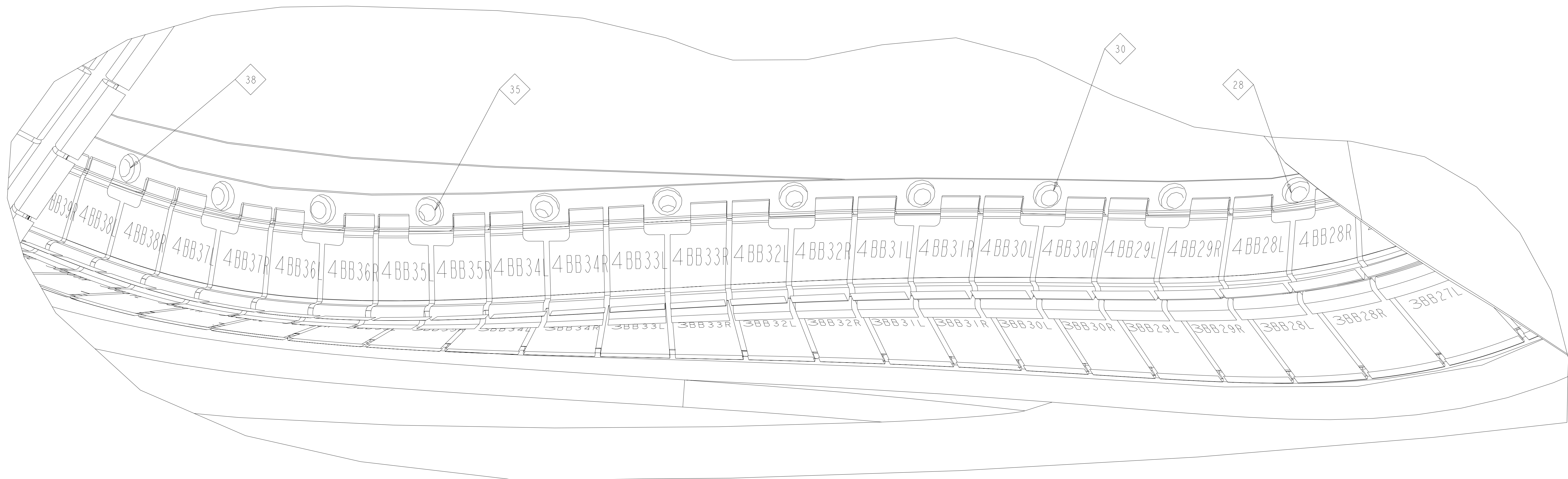
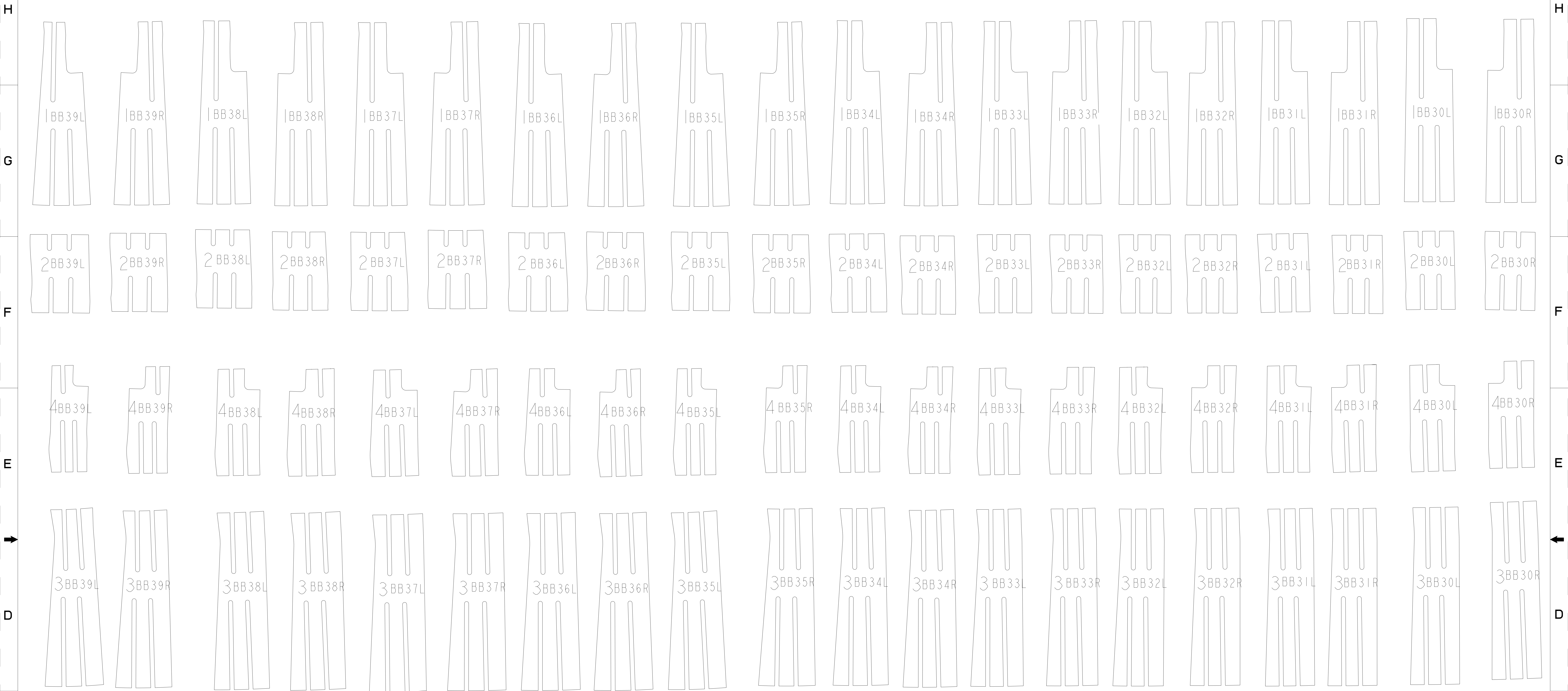
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PARTIAL ISOMETRIC VIEW

SCALE 0.500

<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 PROJECT NAME </small>										
NATIONAL COMPACT STELLARATOR EXPERIMENT										
MODULAR COIL TYPE - B										
SIDE - B CLADDING AND CHILL PLATES										
FLAT PATTERN LAYOUT										
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS			
4	X-10	5700	3	4	11	U	S			
RELEASE LEVEL		SE 142B-242								REV
Fabrication										1

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PARTIAL ISOMETRIC VIEW SCALE 1:00

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NATIONAL COMPACT STELLARATOR EXPERIMENT																					
MODULAR COIL TYPE - B																					
SIDE - B CLADDING AND CHILL PLATES																					
FLAT PATTERN LAYOUT																					
VERSION NO.	4	PLANT	X-10	BLDG	5700	FL	3	SHT	5	OF	11	TYPE	U	CLASS	S						
RELEASE LEVEL	Fabrication			SE142B-242																REV	1

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NEXT ASS'Y: 1 FINAL ASS'Y:

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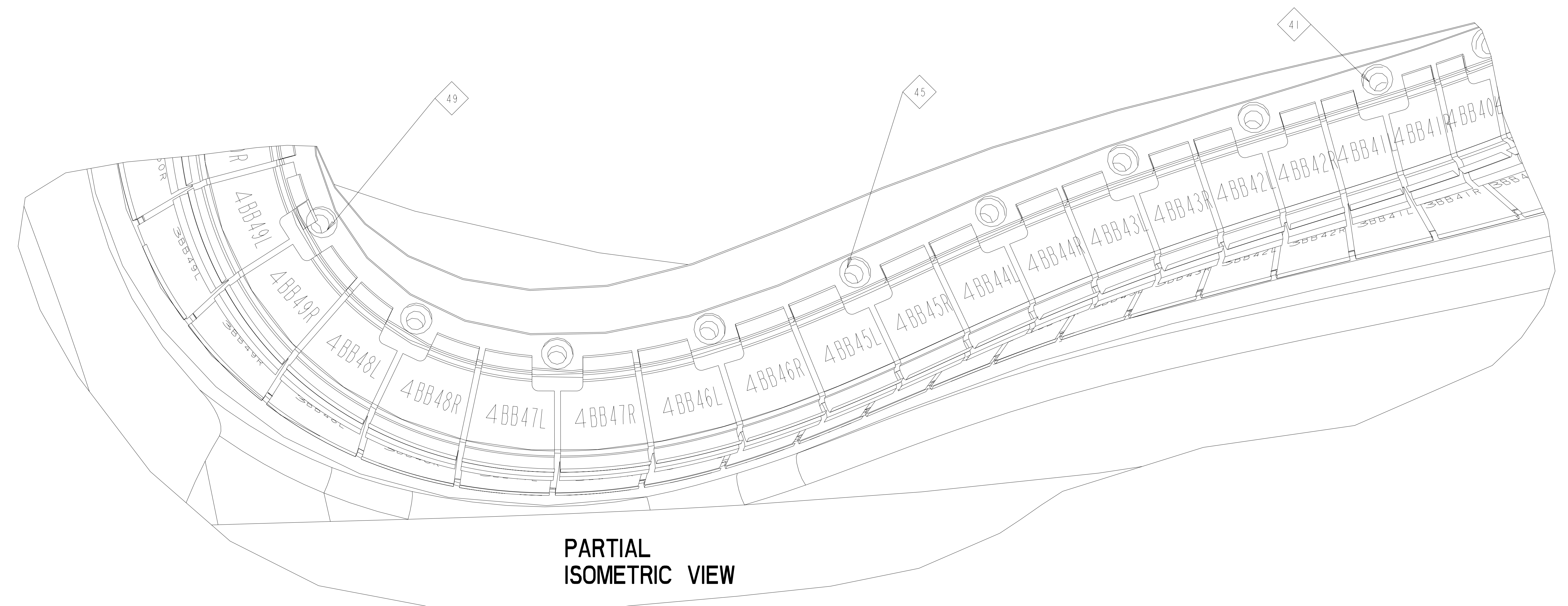
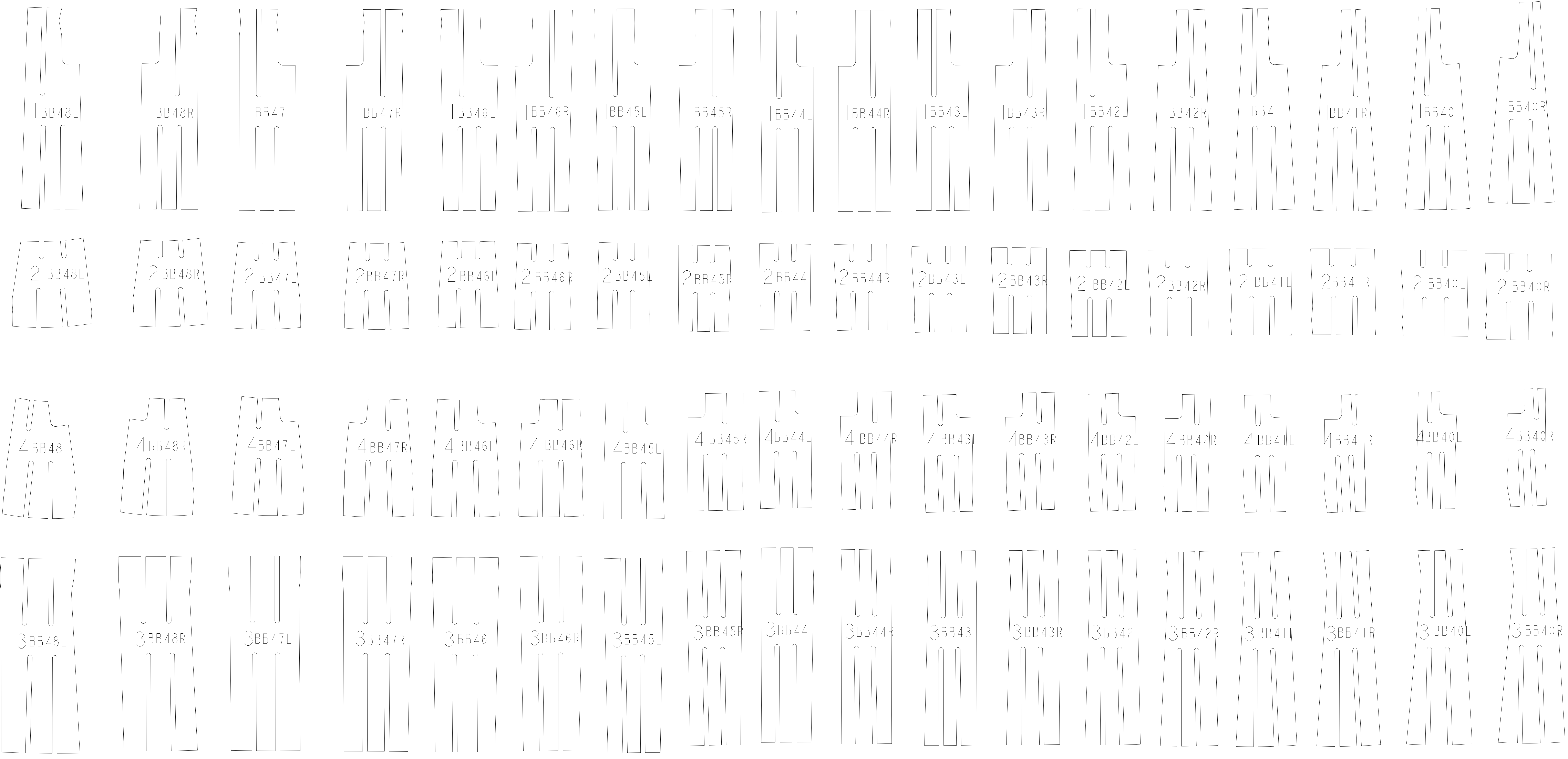
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SCALE 1.00

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

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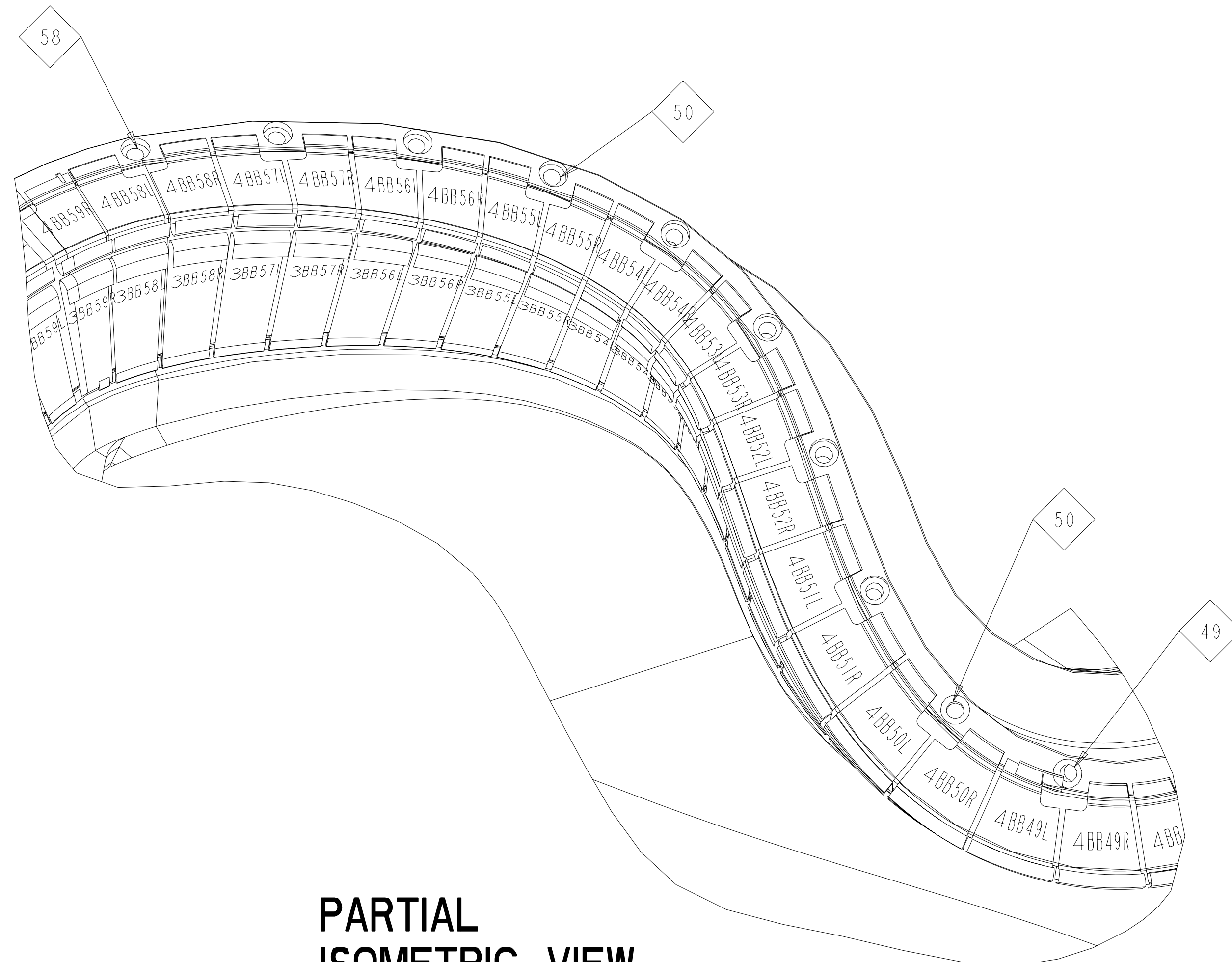
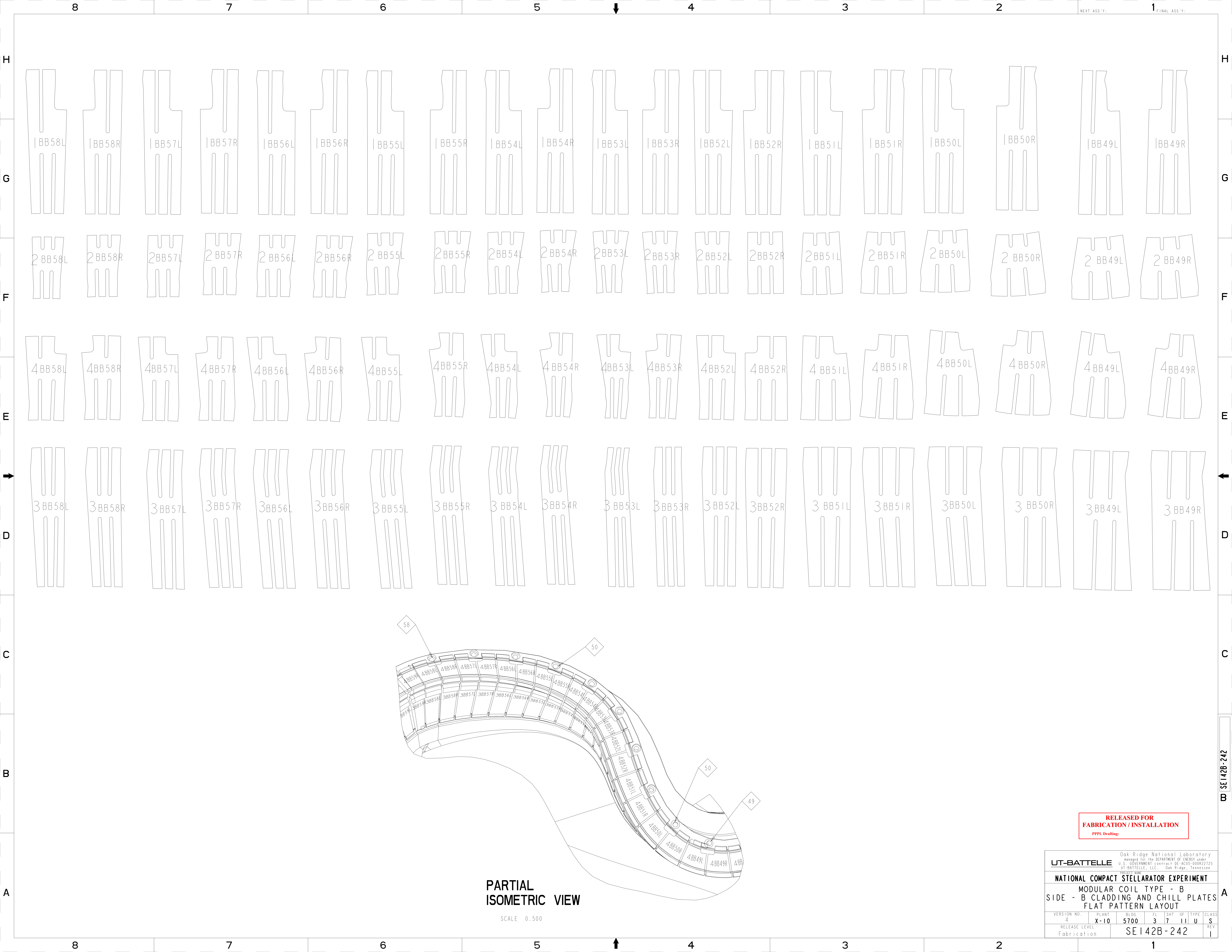
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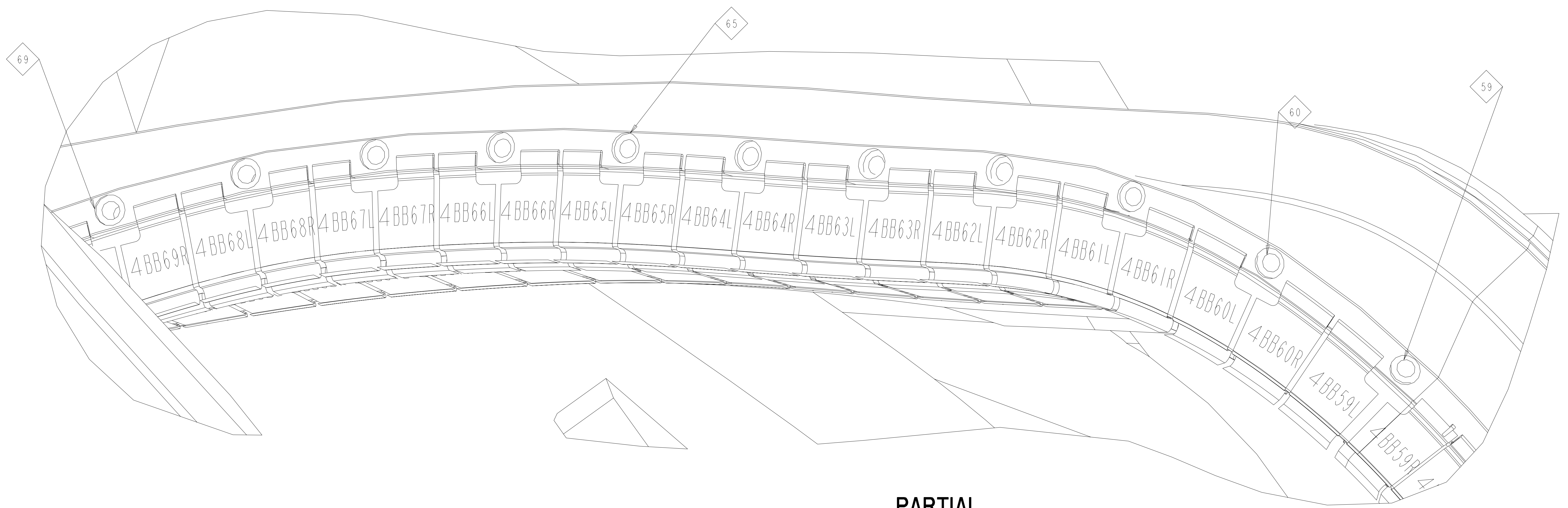
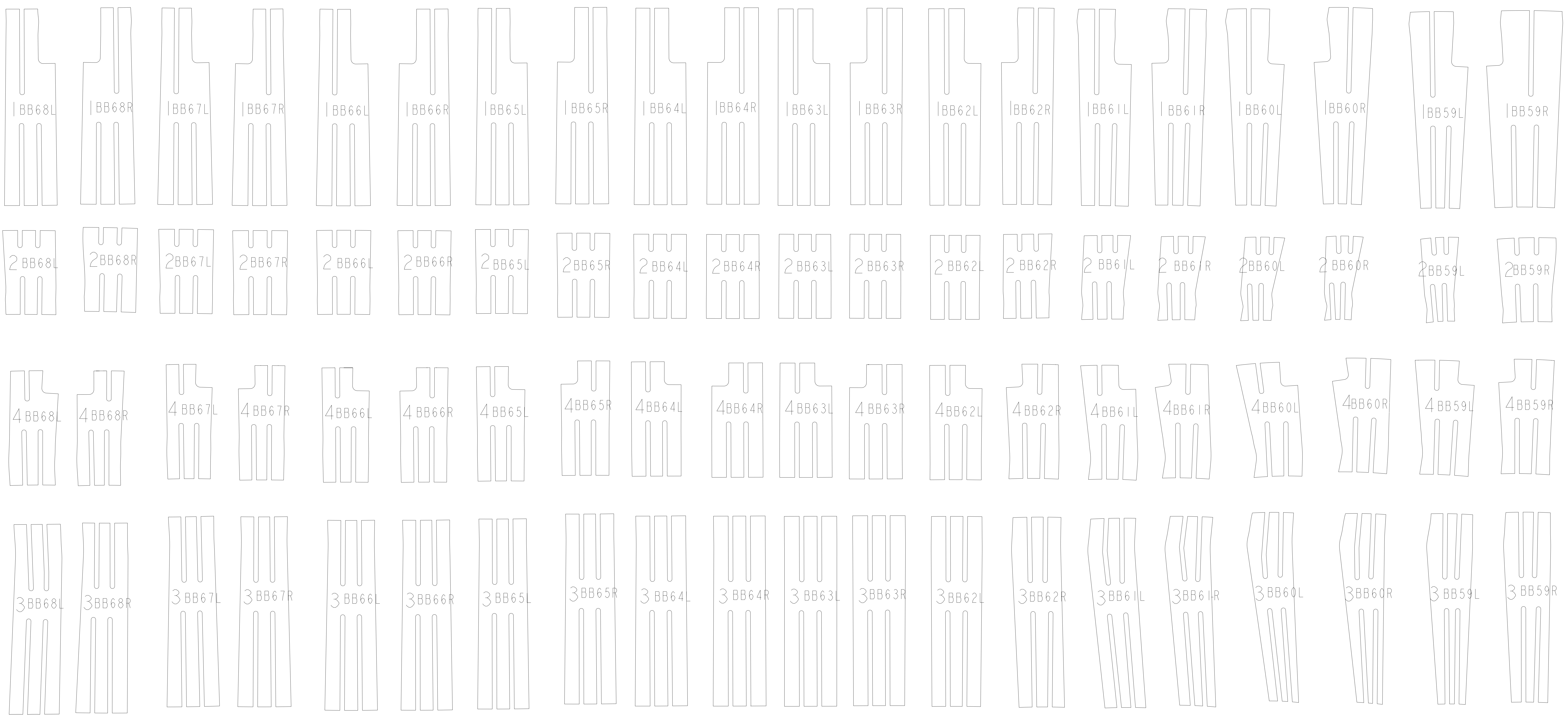
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SCALE 0.500

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

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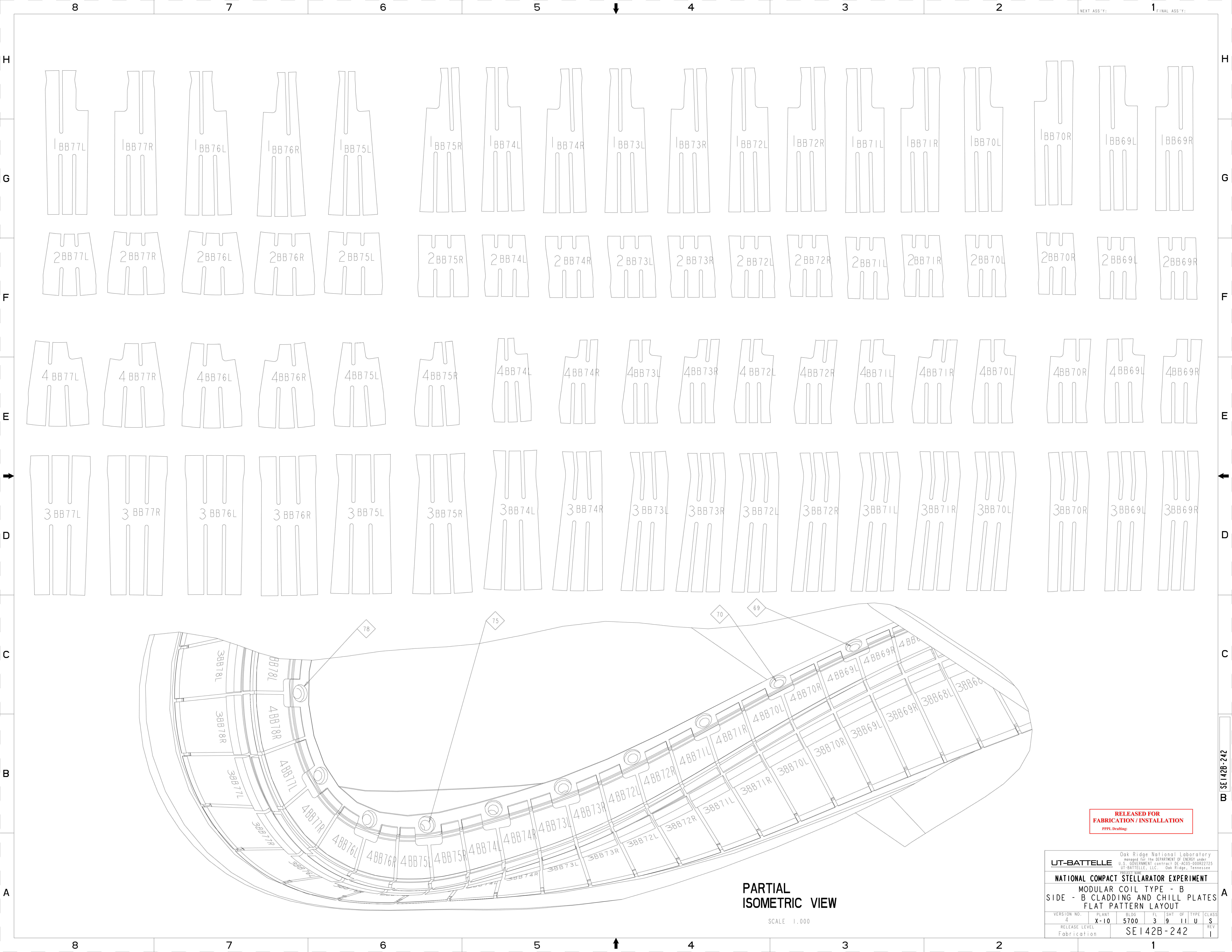
PARTIAL ISOMETRIC VIEW

SCALE 1.00

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

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NATIONAL COMPACT STELLARATOR EXPERIMENT MODULAR COIL TYPE - B SIDE - B CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT									
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RELEASE LEVEL		SE 142B-242							
Fabrication									

PARTIAL
ISOMETRIC VIEW

SCALE 1.000

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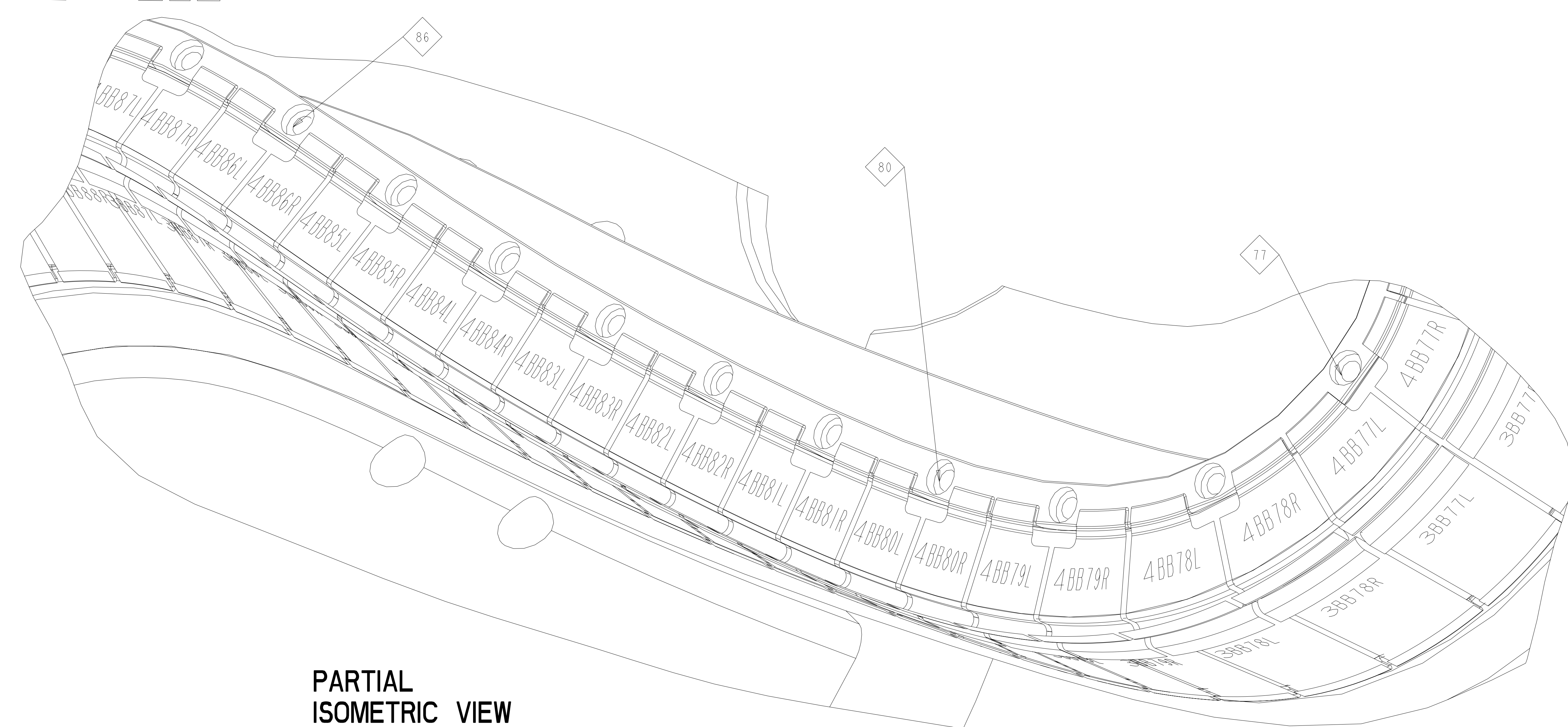
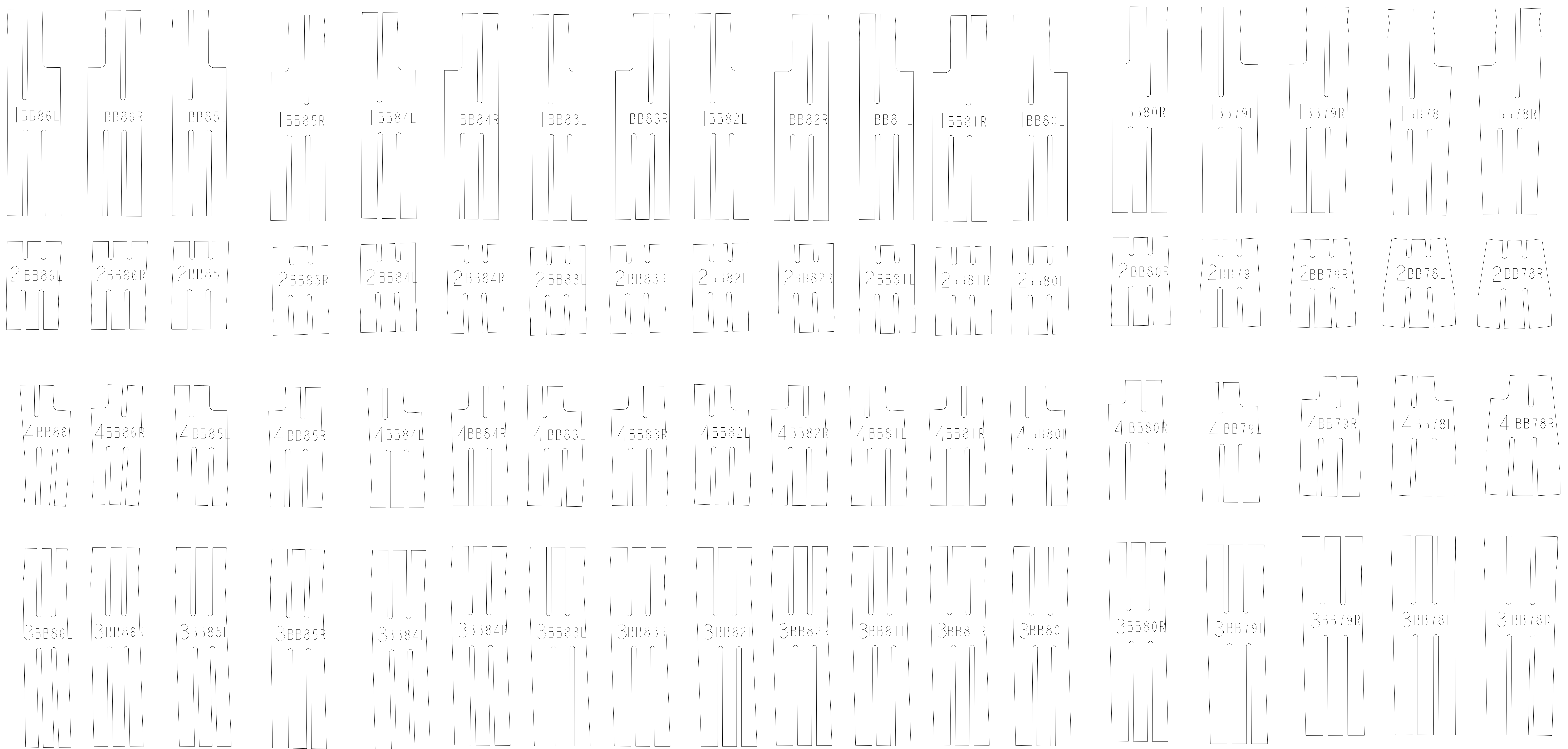
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NEXT ASS'Y:

FINAL ASS'Y:



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SCALE 1.00

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NATIONAL COMPACT STELLARATOR EXPERIMENT MODULAR COIL TYPE - B SIDE - B CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT									
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS		
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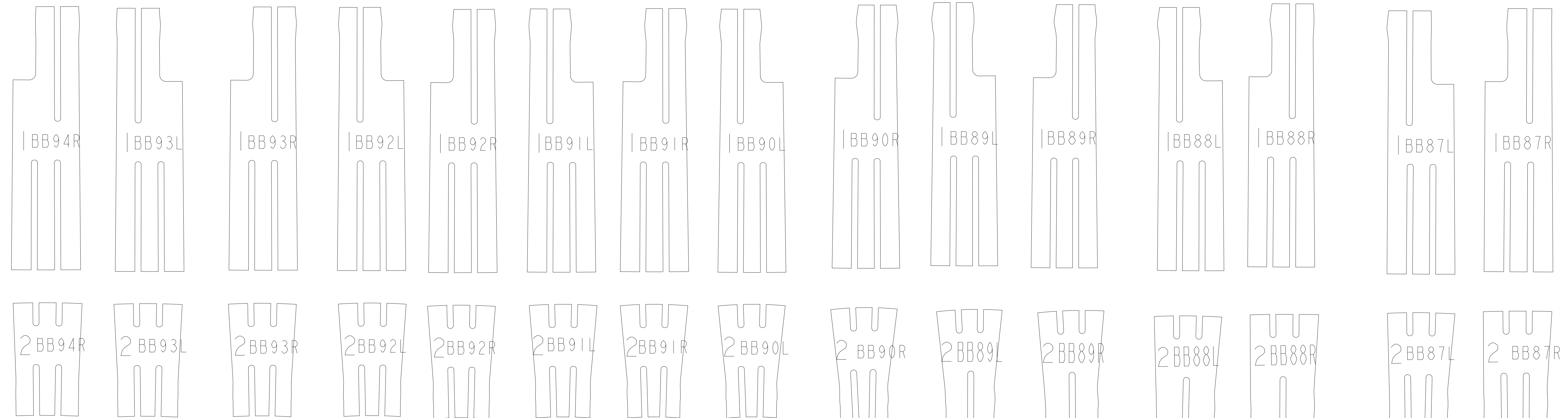
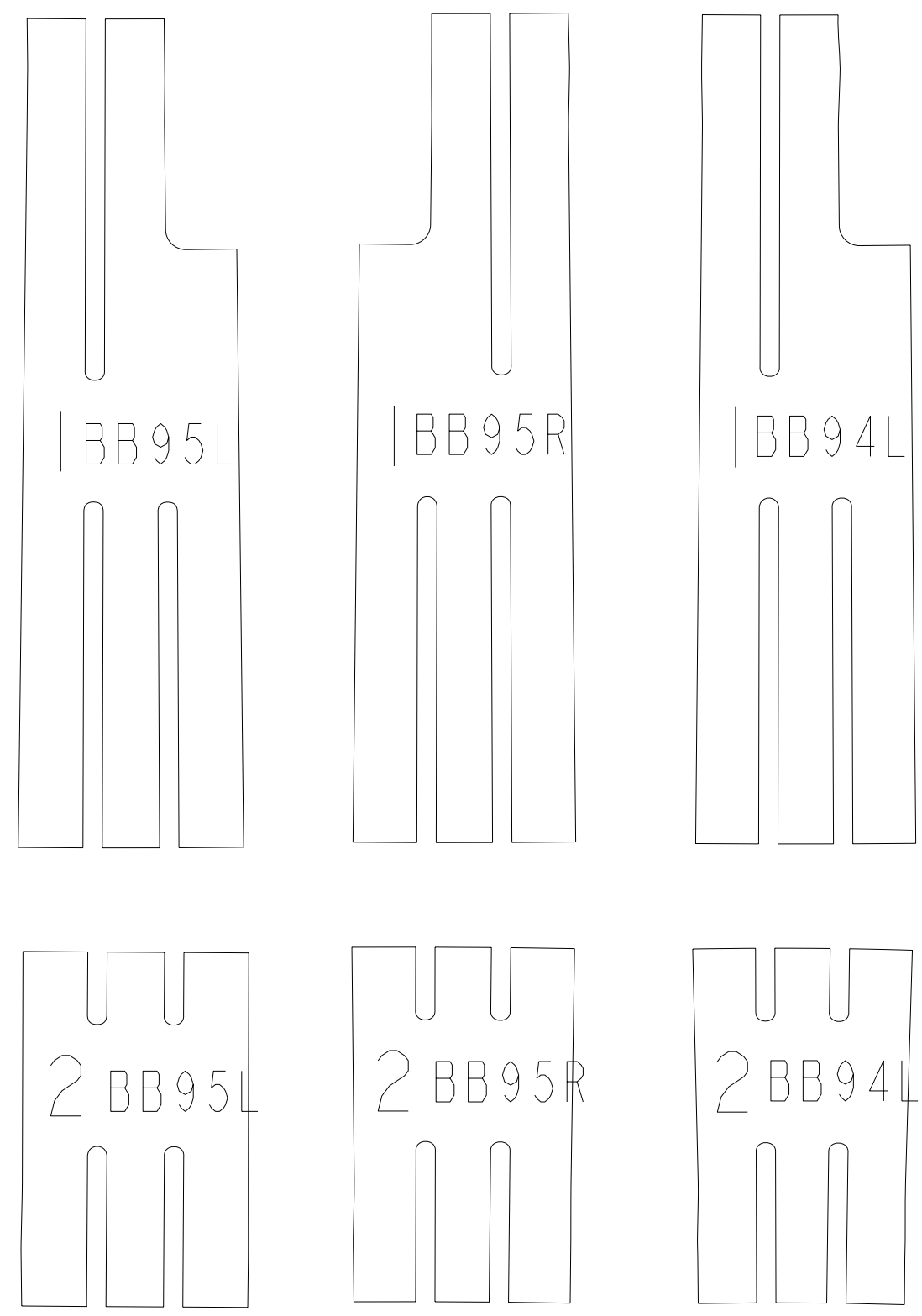
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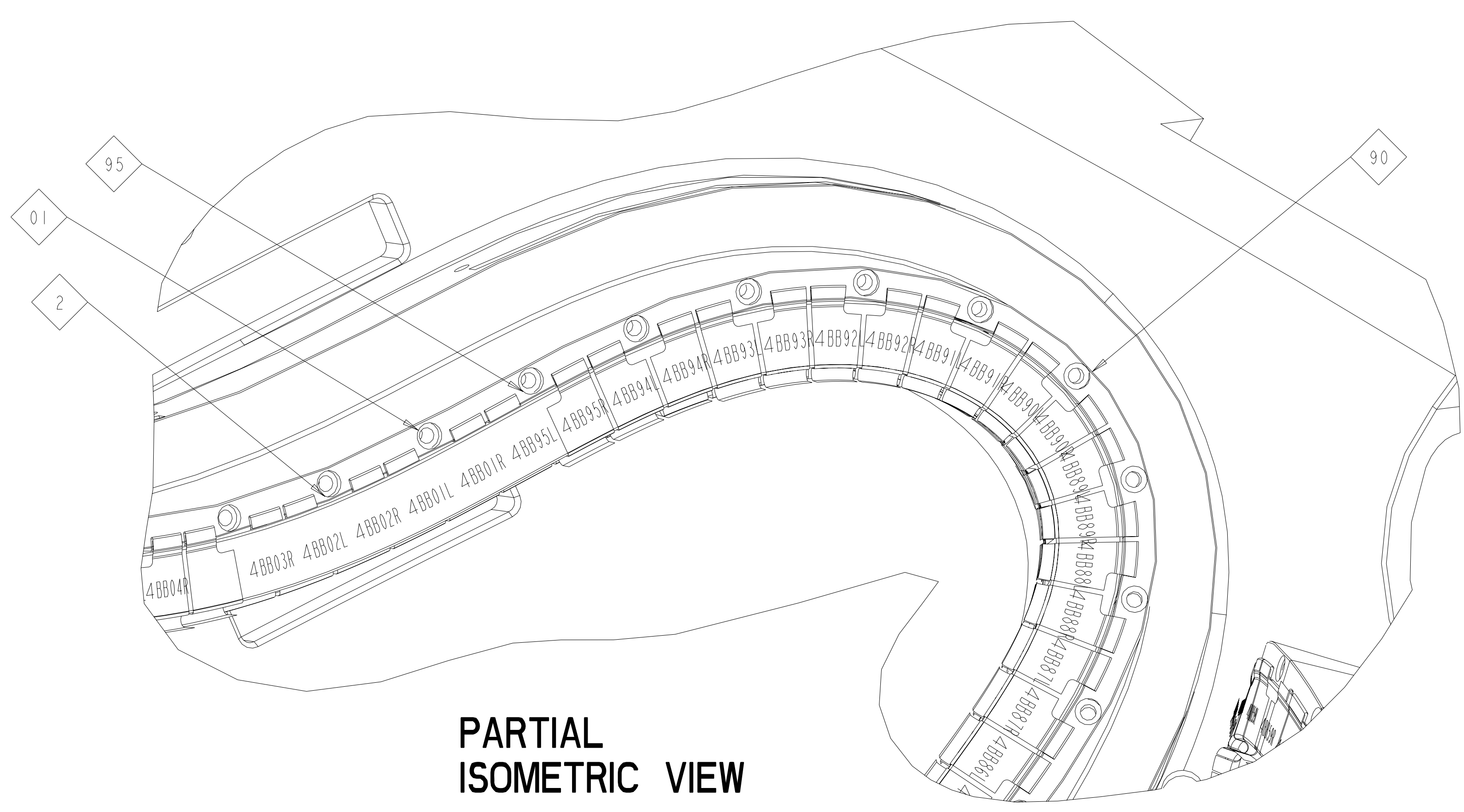
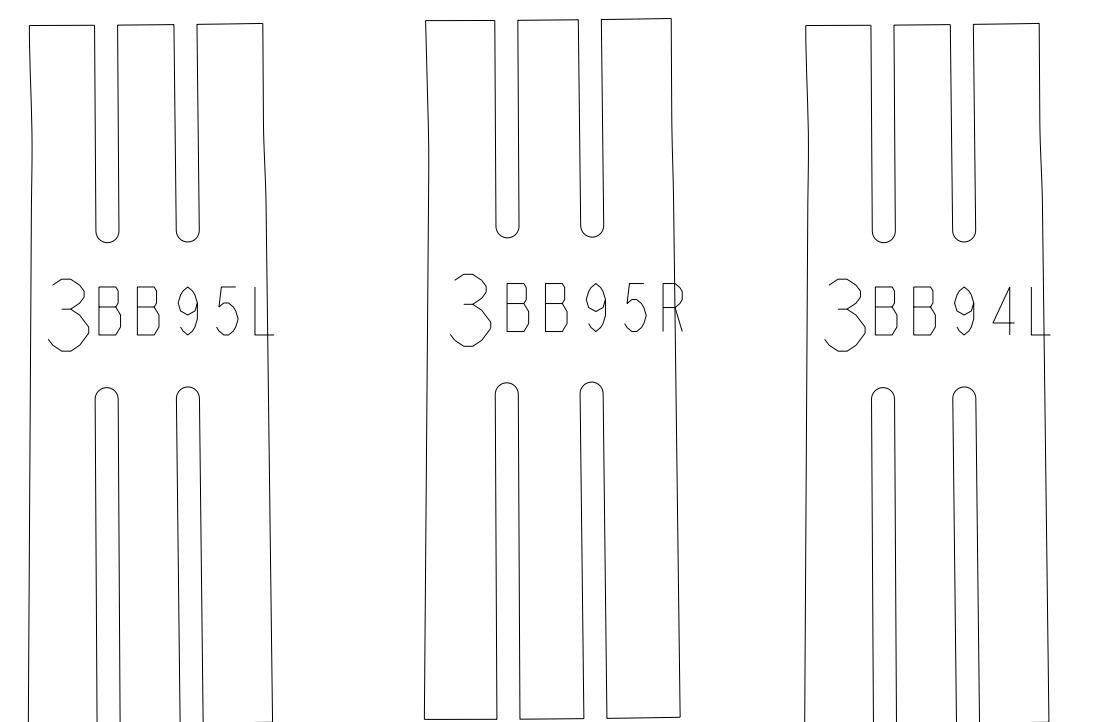
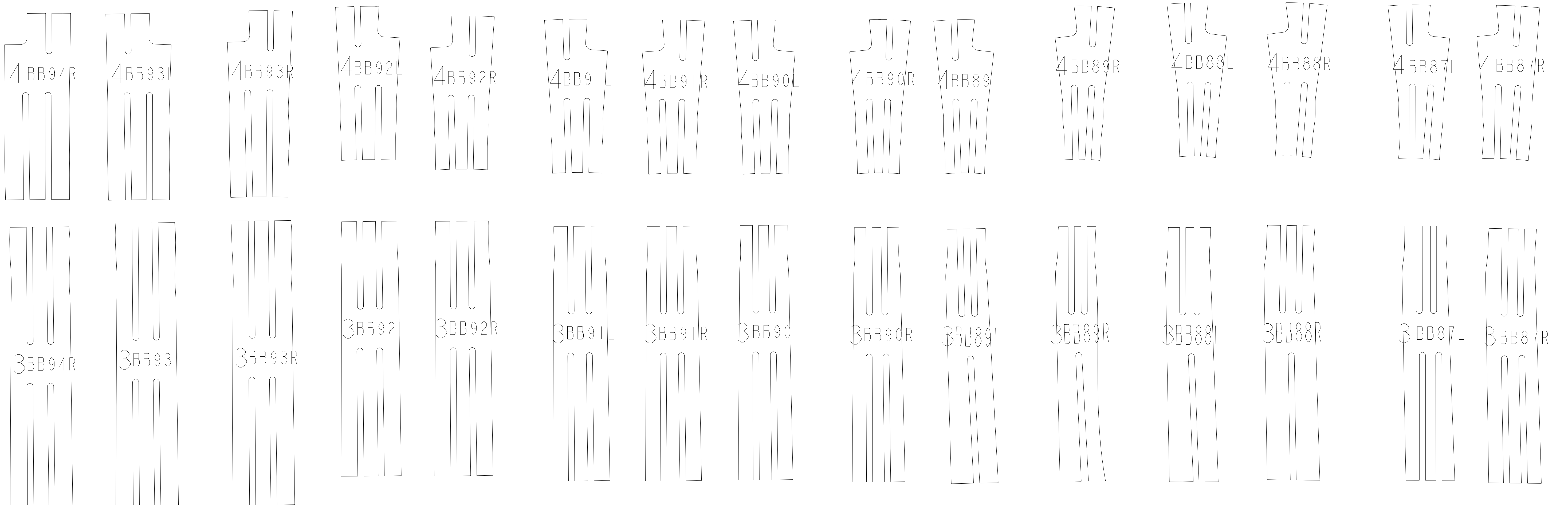
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THESE PARTS TO BE NEMA GRADE GIICR MATERIAL.



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UT-BATTELLE NATIONAL COMPACT STELLARATOR EXPERIMENT MODULAR COIL TYPE - B SIDE - B CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT											
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS				
4	X-10	5700	3	11	11	U	S				
RELEASE LEVEL			SE 142B-242								
Fabrication											

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