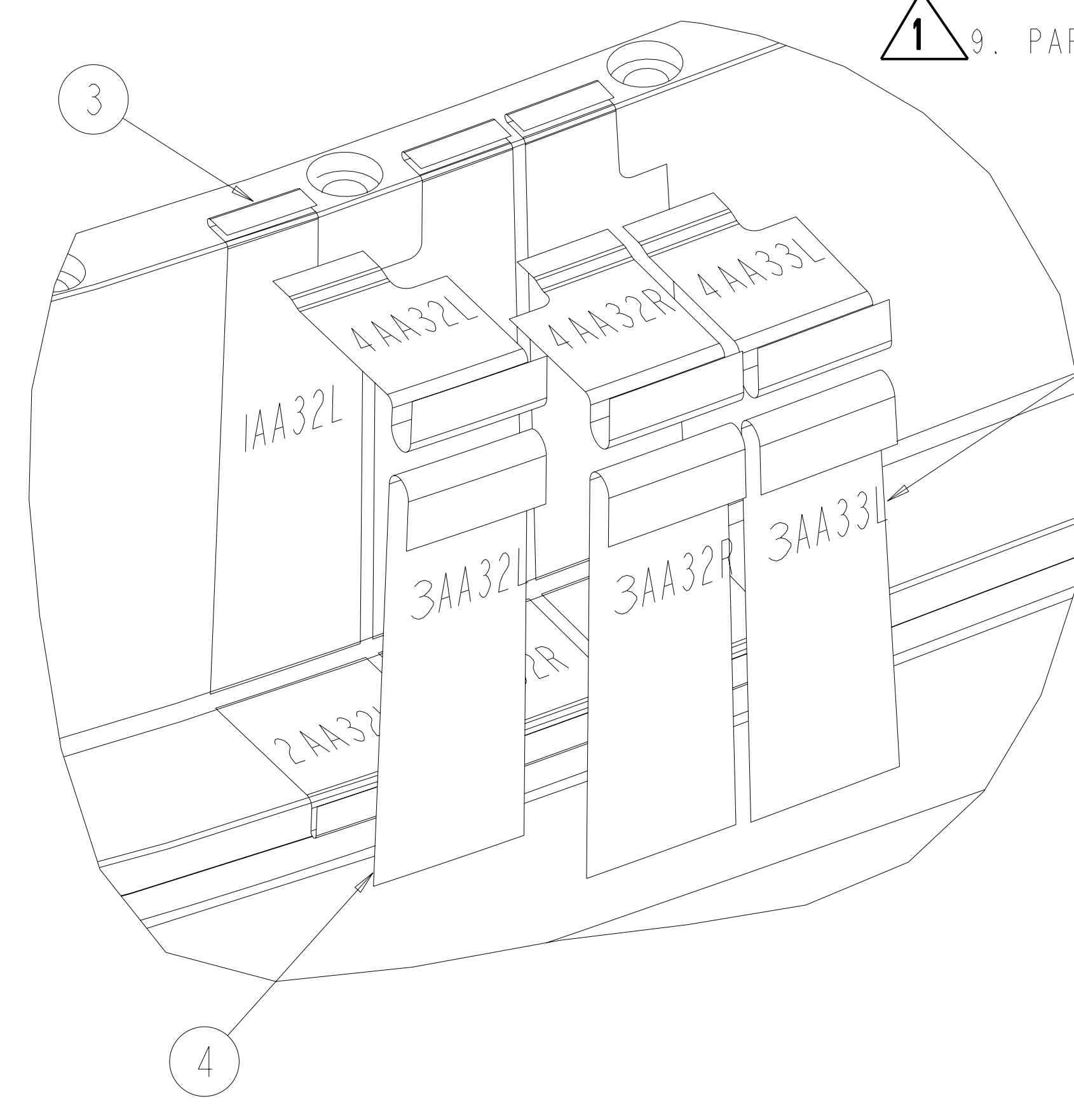
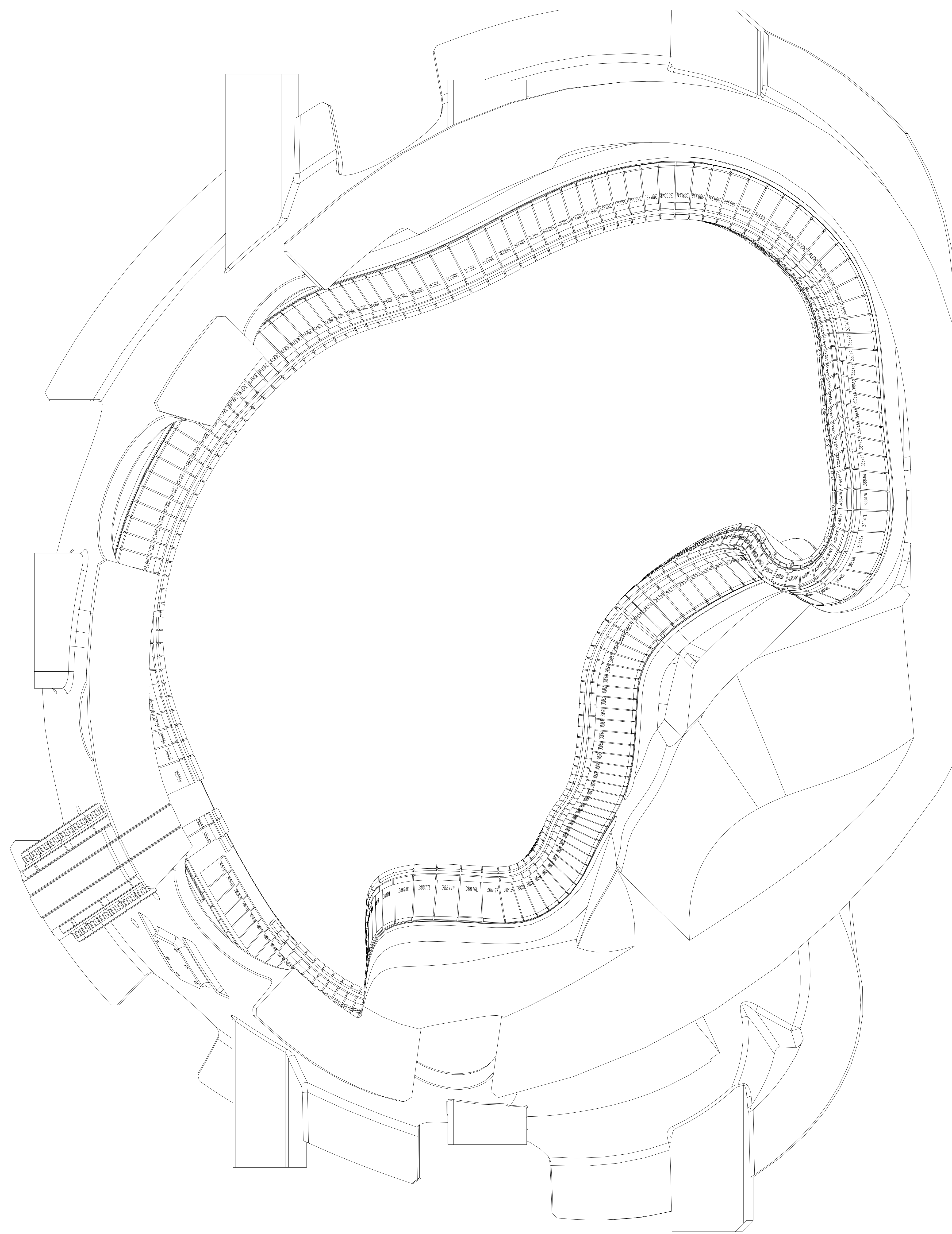


- NOTES:
1. DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.100-2000.
 2. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.
 3. DIMENSIONS ARE IN INCHES.
 4. DRAWING DEPICTS FLAT PATTERN OF FORMED PARTS DEFINED BY PRO/E MODELS SEI42B-245.PRT AND SEI42B-247.PRT.
 5. PROFILE TOLERANCE OF FLAT PATTERN 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.



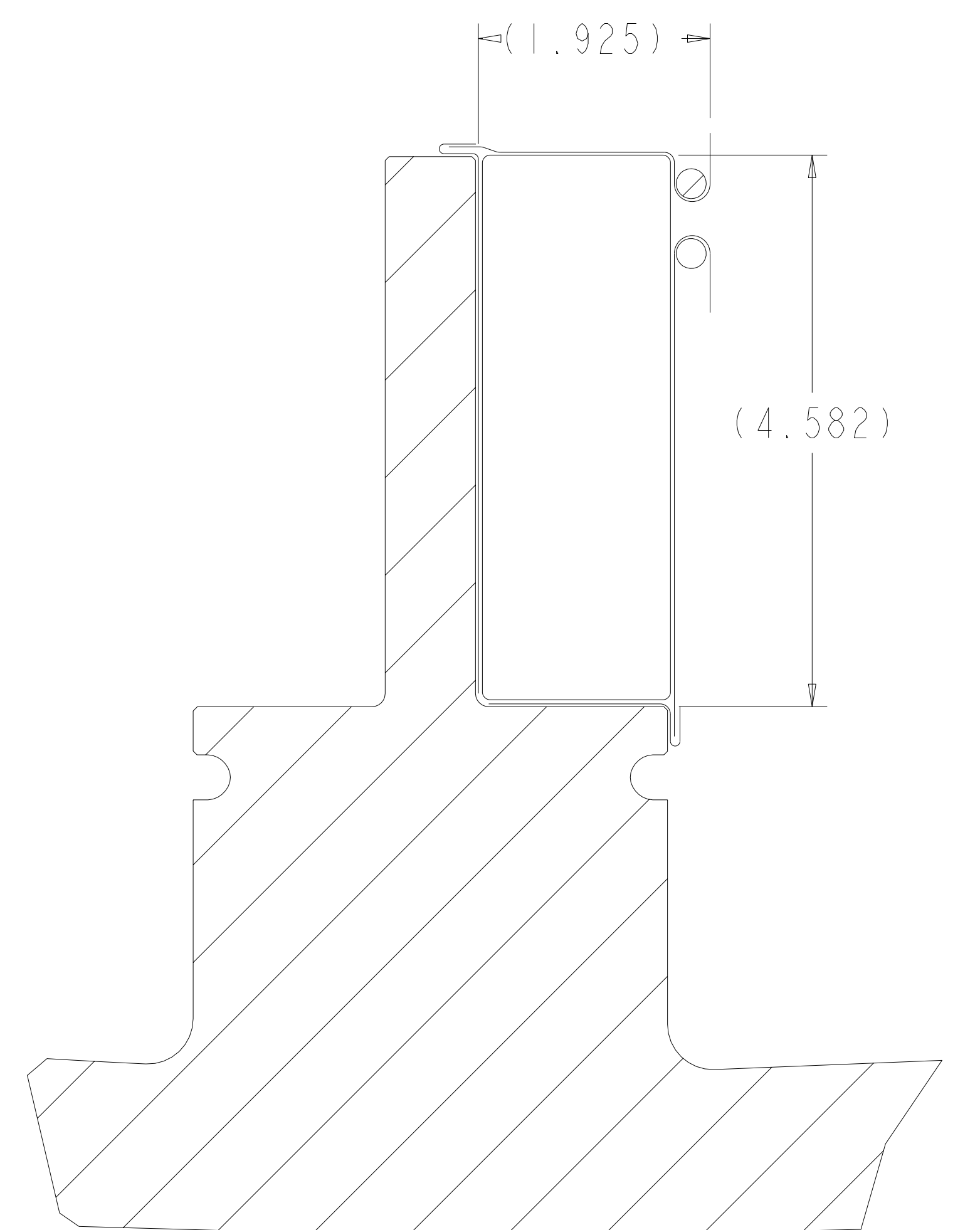
ISOMETRIC VIEW
SCALE 1.00

PART LABEL:

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

LEFT COIL SIDE
RIGHT COIL SIDE
HOLER NO.

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



TYPICAL SECTION
SCALE 1.00

RFD-18-002 addresses resolution of B/C coil interferences, including guidelines for grinding. Additionally, NCR-3735 resolved B1/C1 interferences. PLEASE CHECK BOTH THIS RFD AND NCR-3735 FOR GUIDELINES IN RESOLVING ANY B/C COIL INTERFERNCES

TYPE-B SIDE-B-ASM
SCALE 0.250

378	SEI42B-246	CHILL PLATES	⚠	COPPER, ANNEALED UNS C10100, C10200, C11000 ETP OR NEMA GRADE GIICR (NOTED)	4
386	SEI42B-244	CLADDING	⚠	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	FIN NO
	NEXT ASSEMBLY				PARTS LIST

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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				
TOLERANCES UNLESS OTHERWISE SPECIFIED:	DRW: G LOVETT 6-06	UT-BATTELLE				
FRACTIONS: XX DECIMALS ±.01	CHK: M COLE 6-06	NATIONAL COMPACT STELLARATOR EXPERIMENT				
XXX DECIMALS ±.005	PE: D WILLIAMSON 6-06	MODULAR COIL TYPE - B				
ANGLES ±0°15'	REO: : :	SIDE - B CLADDING AND CHILL PLATES				
BREAK SHARP EDGES 06 MAX	PPPL DRFT: J SIEGEL 6-06	FLAT PATTERN LAYOUT				
FINISH .125 UNLESS OTHERWISE SPECIFIED	VERSION NO. 4	PLANT X-10	BLDG 5700	FL 3	SHT 11	TYPE U
	RELEASE LEVEL	SEI42B-242		CLASS S	REV 1	
	DRAWING APPROVALS					

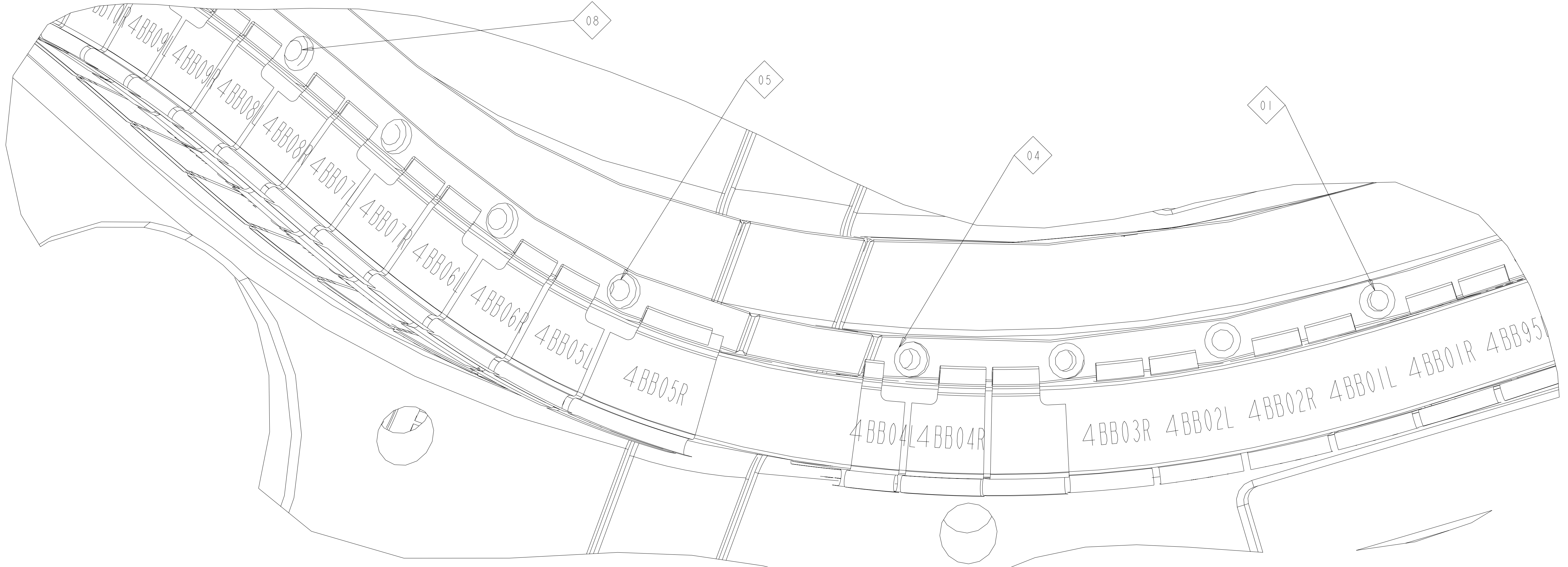
REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
1	REVISE PARTS AND DRAWING PER ECN 5140	GLL	7-06	MJC			DEW					



NO CHILL PLATE

1 PARTS TO BE NEMA GRADE GI1CR

1 SEE SHEET 11



PARTIAL ISOMETRIC VIEW
SCALE 1.00

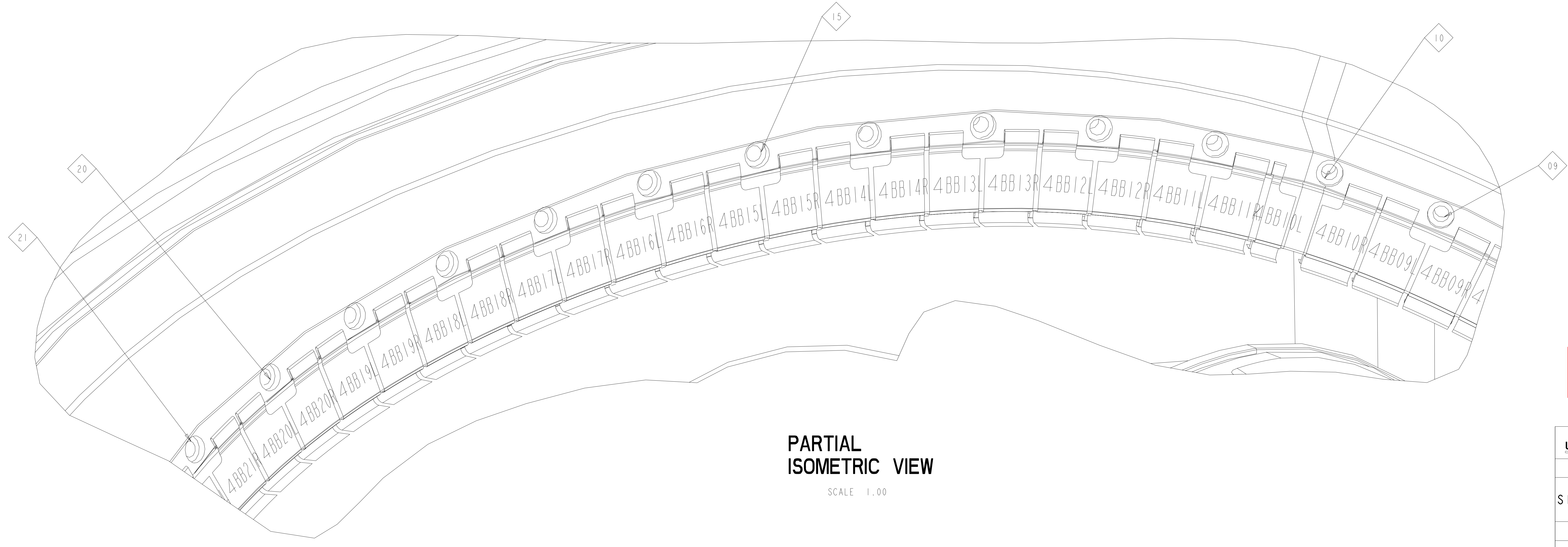
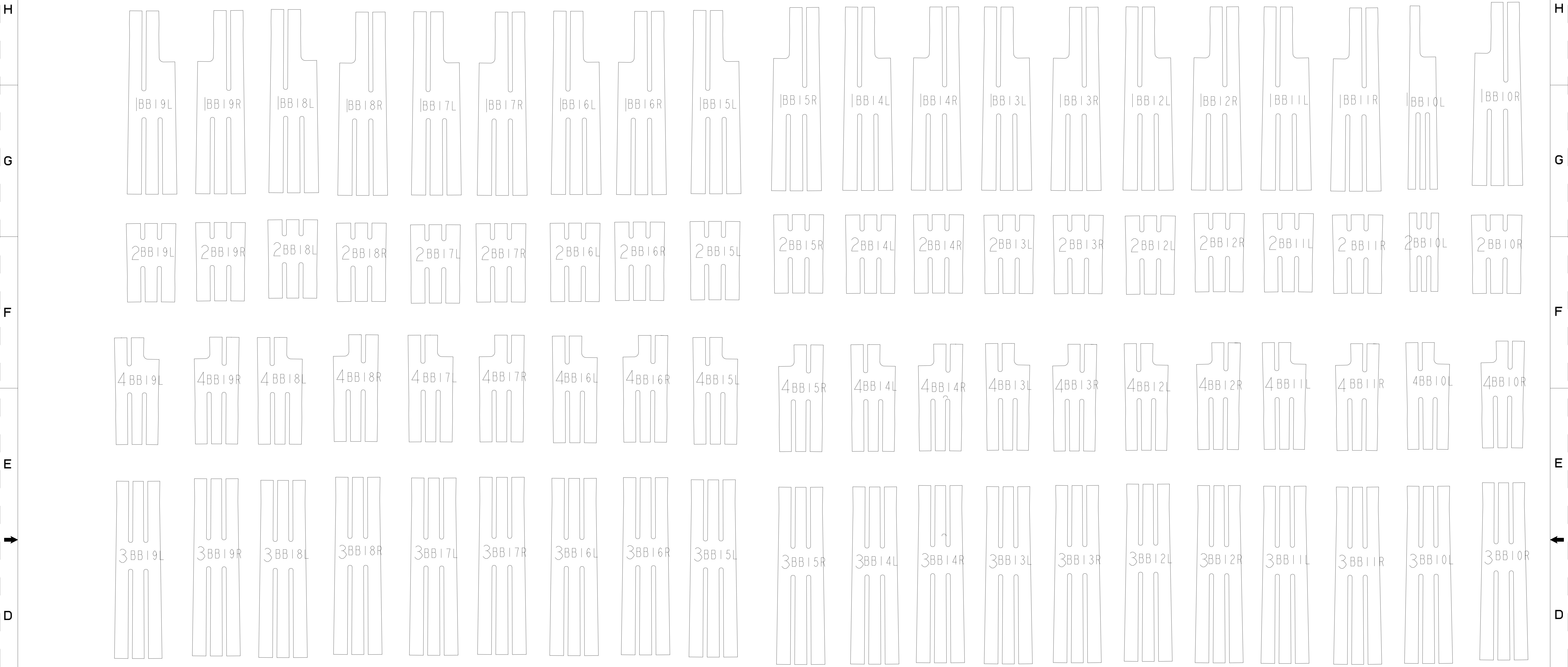
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PPPL Drafting:

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:									
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

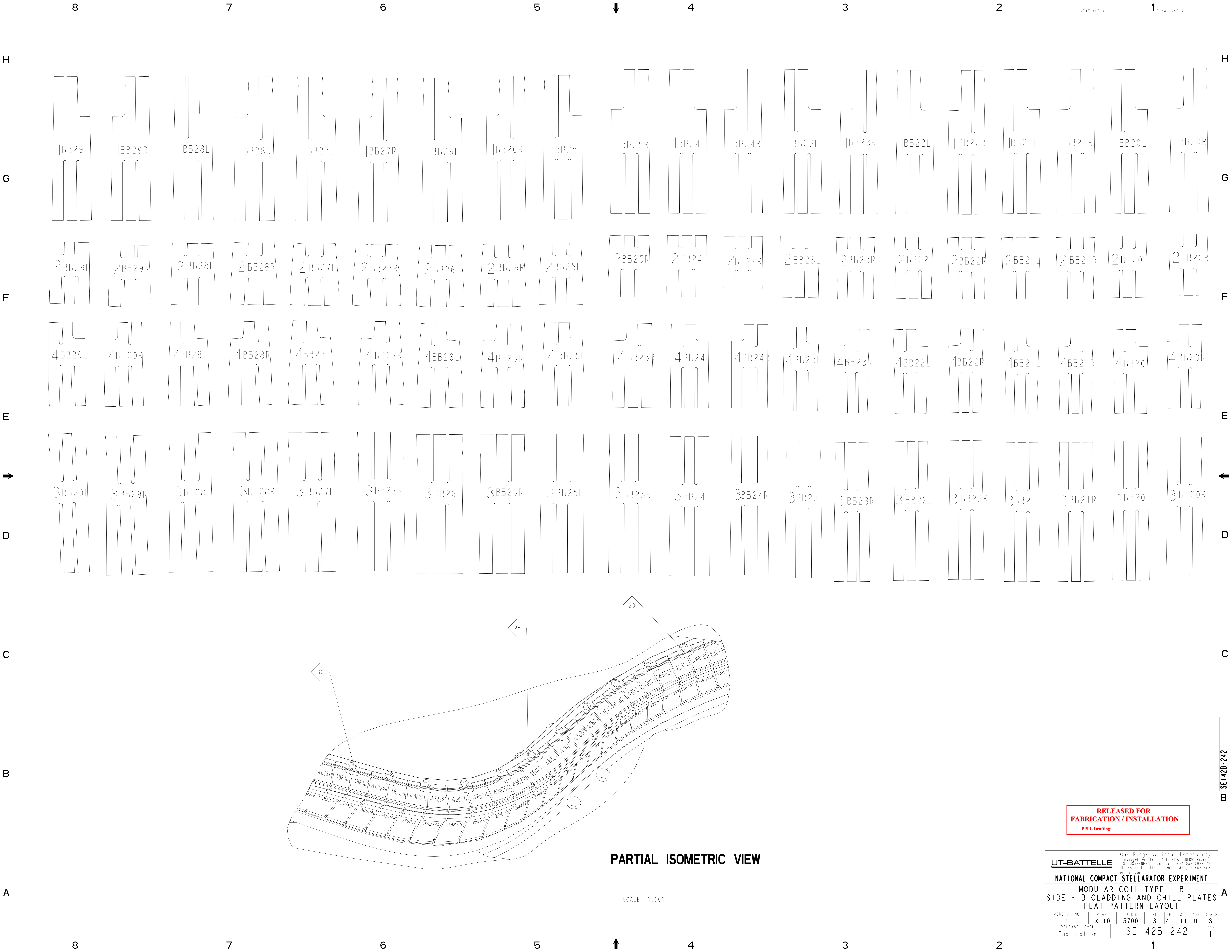
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PPPL Drafting

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 - 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	

8 7 6 5 4 3 2 1

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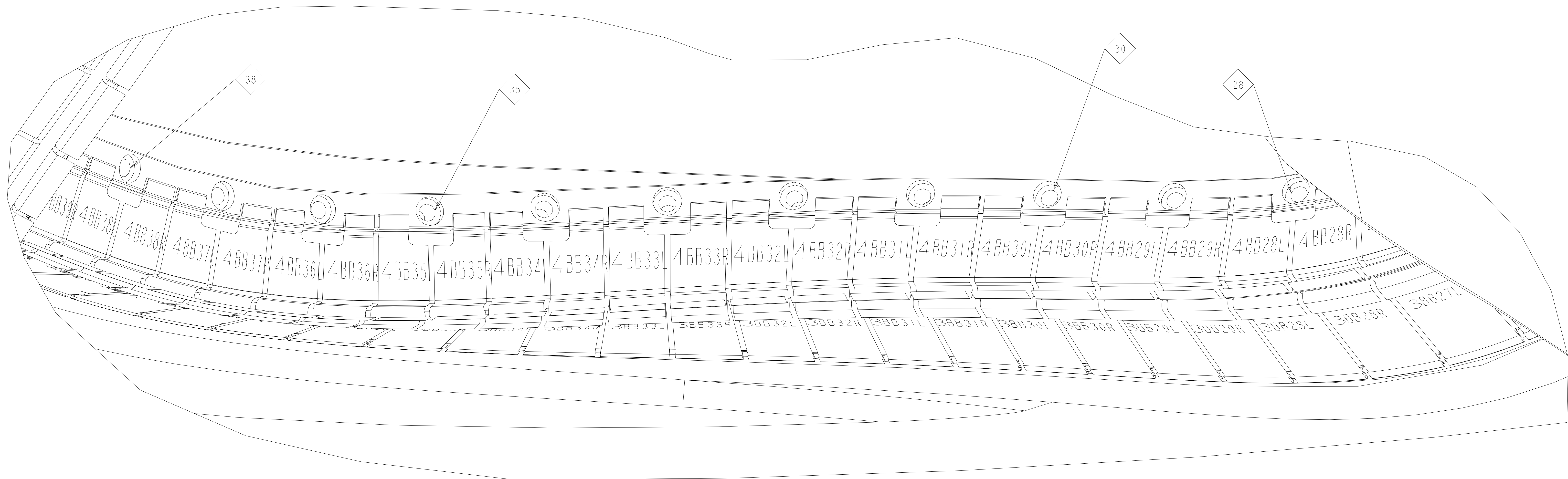
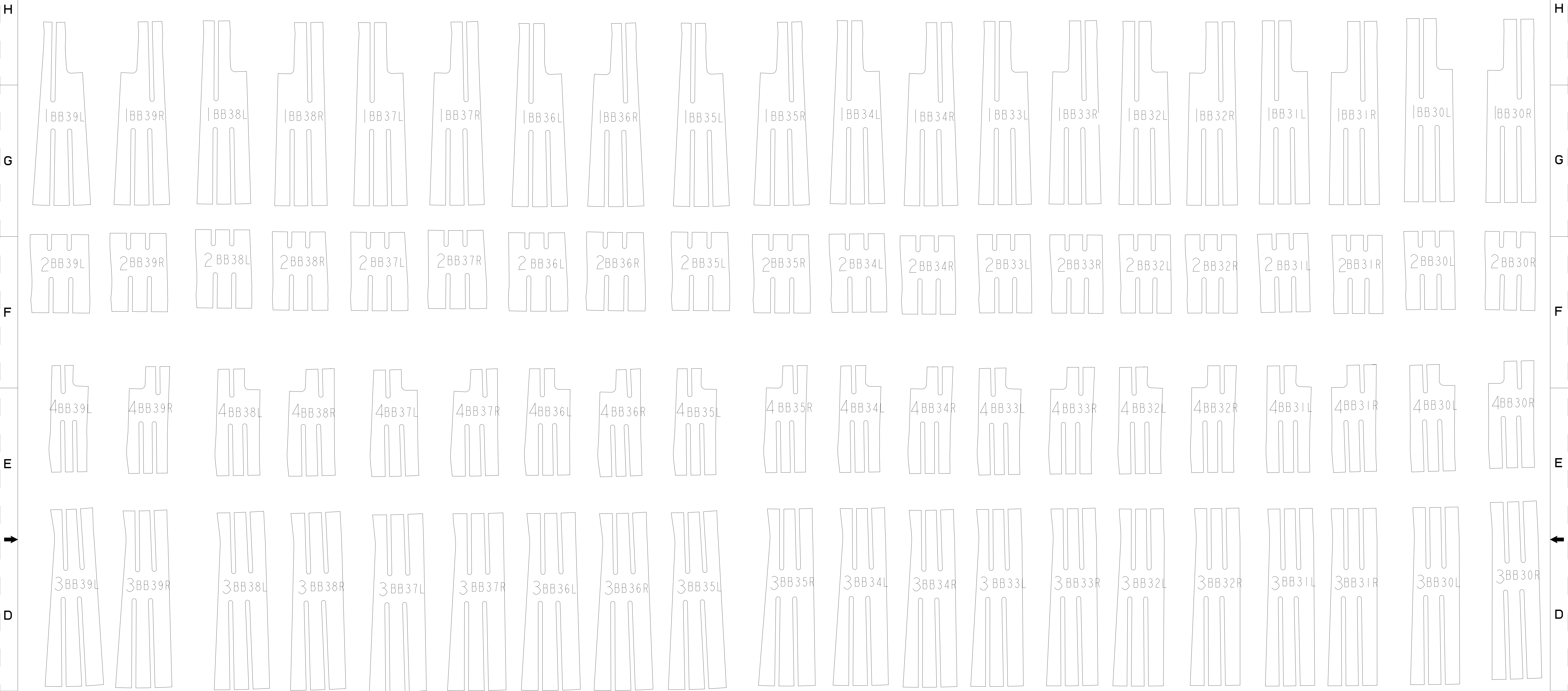
PARTIAL ISOMETRIC VIEW

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</small>										
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	4	11	U	S			
RELEASE LEVEL		SE 142B-242								REV
Fabrication										1

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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		
4	X-10	5700	3	5	11	U	S		
RELEASE LEVEL		SE 142B-242							
Fabrication									

242-02135

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NEXT ASS'Y: 1 FINAL ASS'Y:

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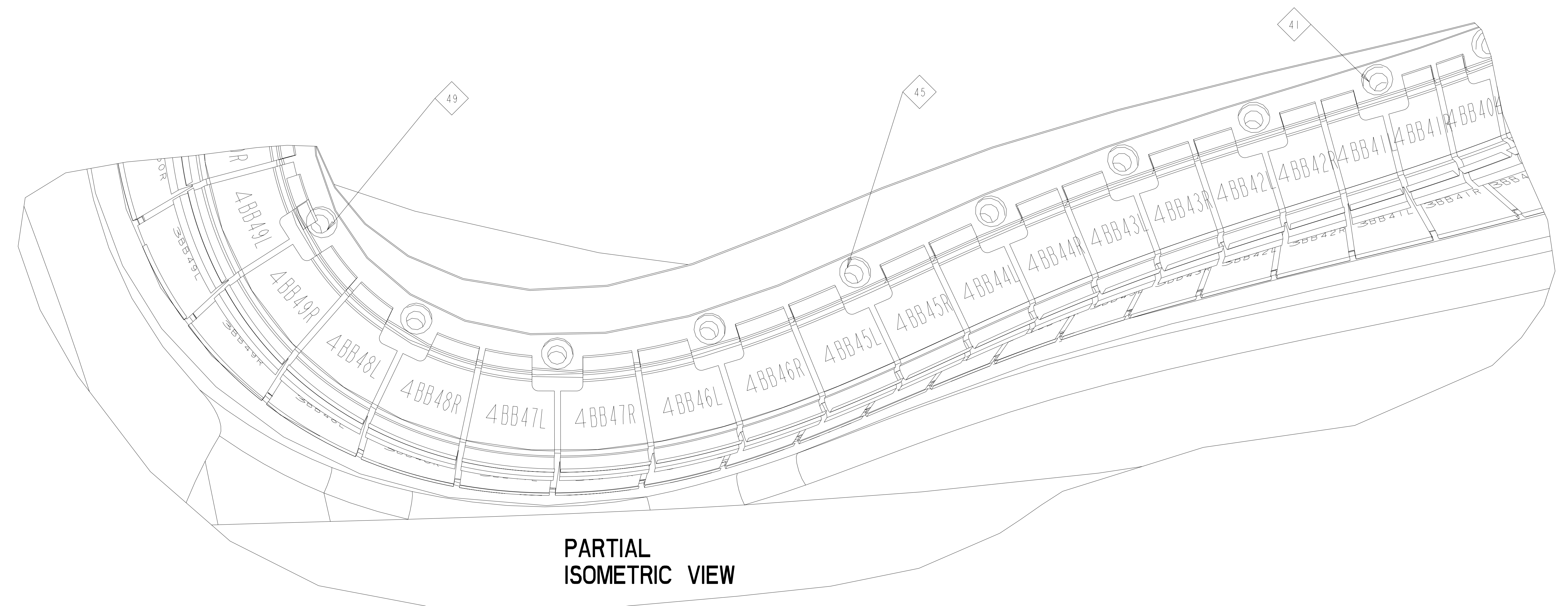
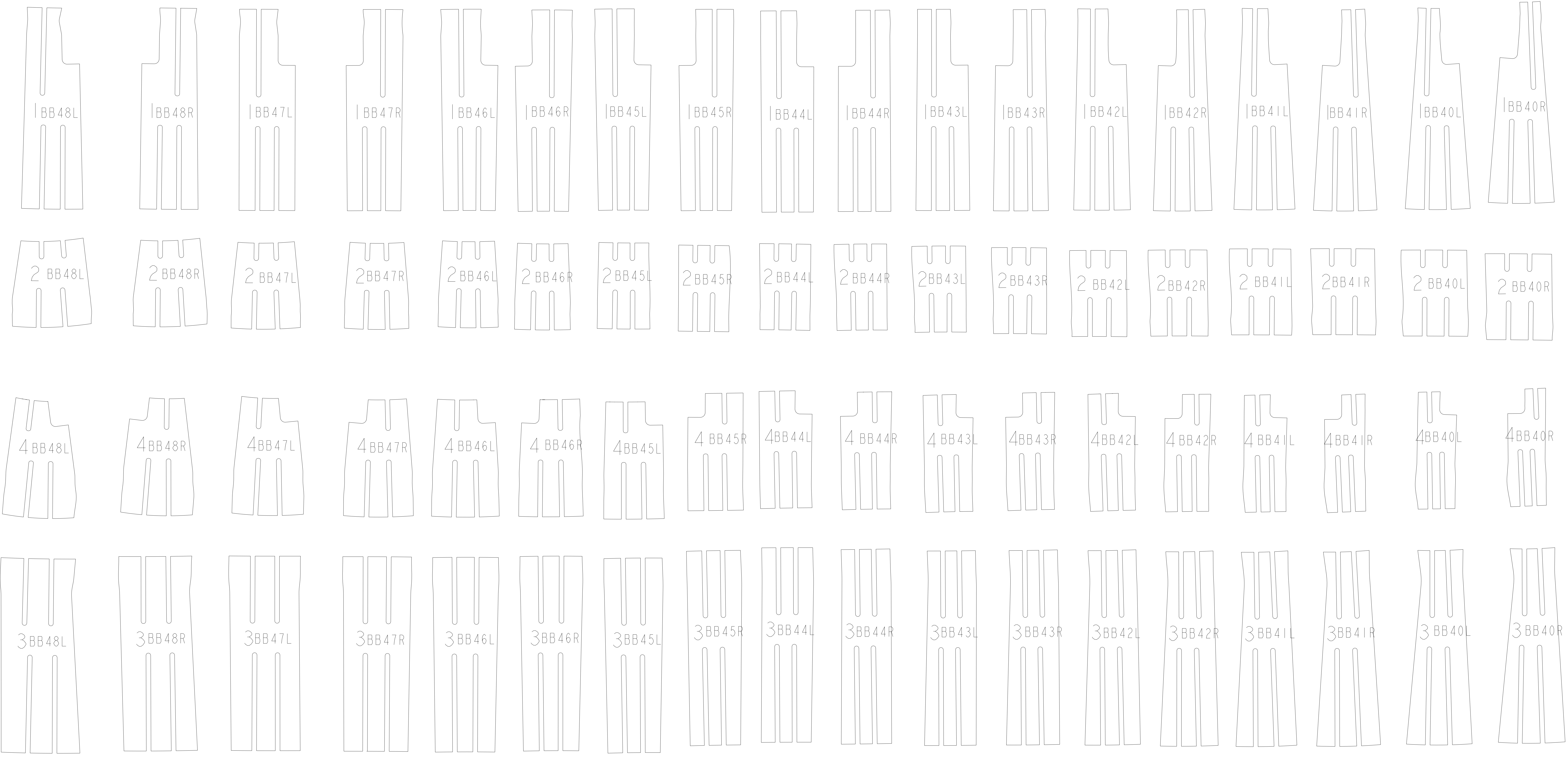
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PARTIAL ISOMETRIC VIEW

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 - B CLADDING AND CHILL PLATES															
FLAT PATTERN LAYOUT															
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS								
4	X-10	5700	3	6	11	U	S								
RELEASE LEVEL		SE 142B-242													
Fabrication															

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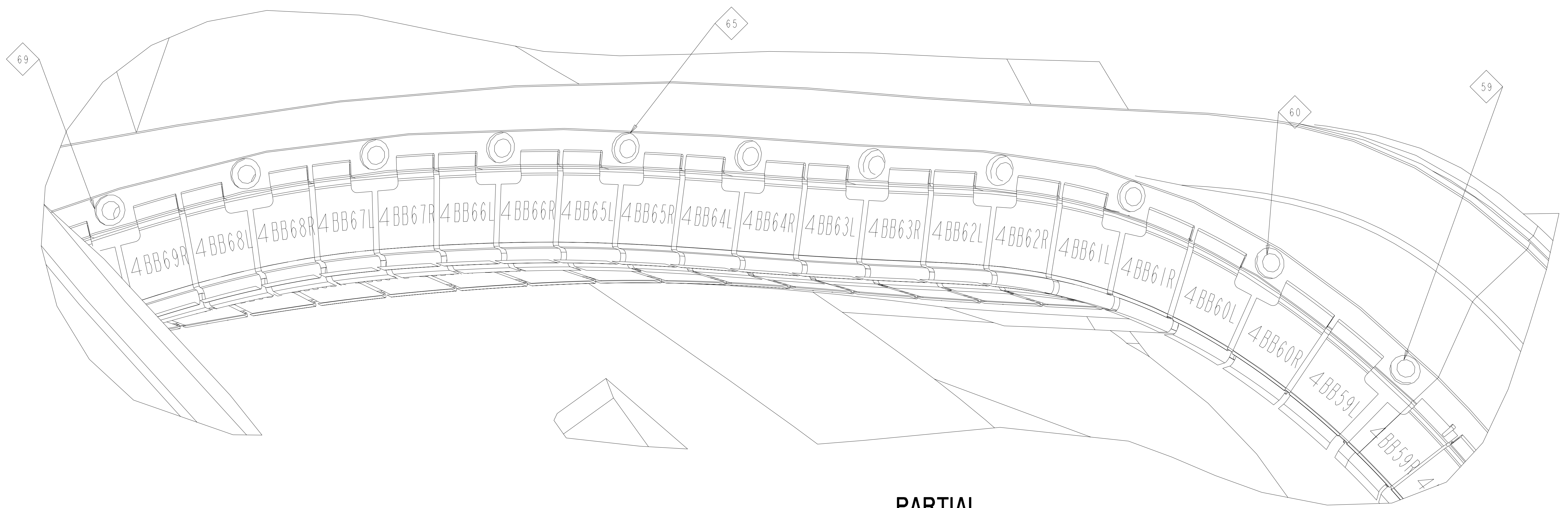
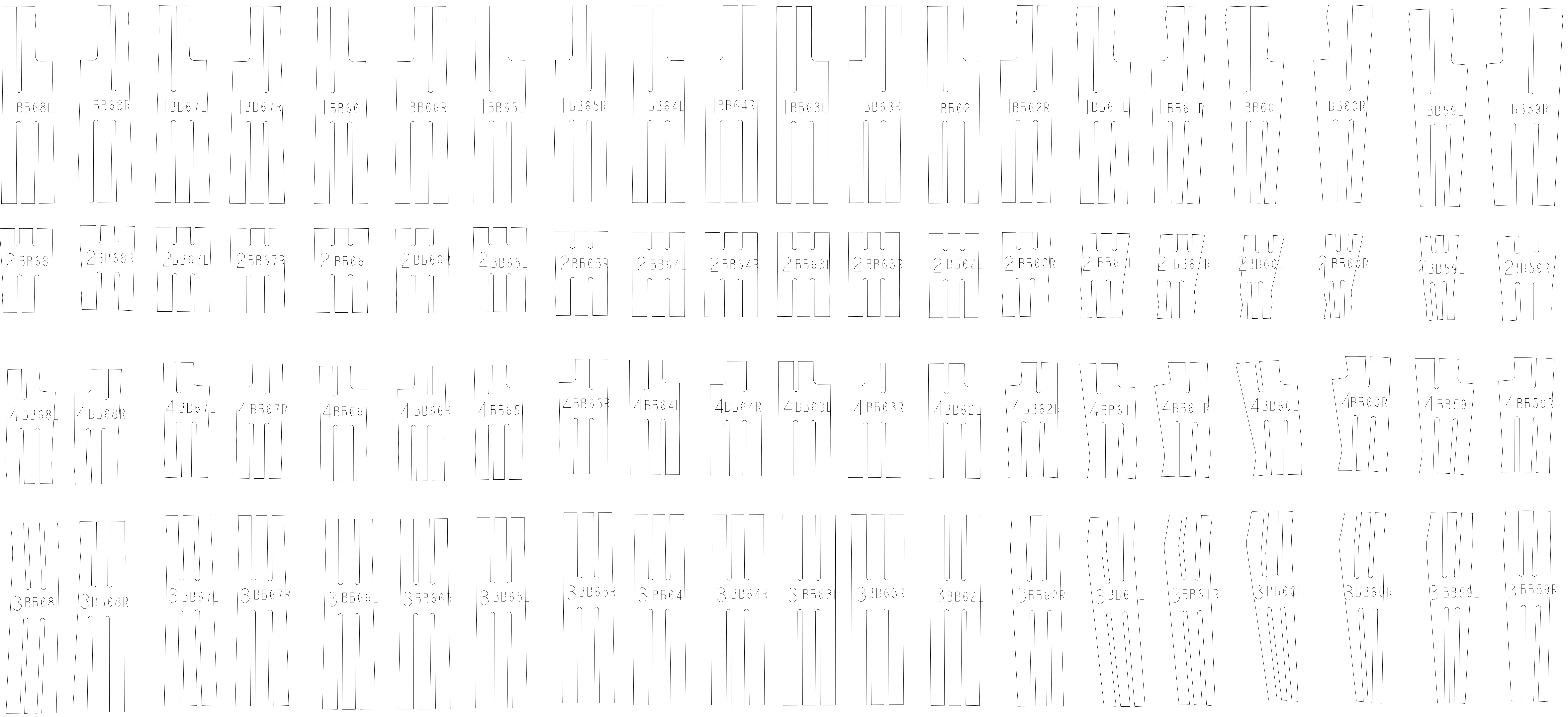
PARTIAL
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NATIONAL COMPACT STELLARATOR EXPERIMENT MODULAR COIL TYPE - B SIDE - B CLADDING AND CHILL PLATES FLAT PATTERN LAYOUT							
VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
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Fabrication							

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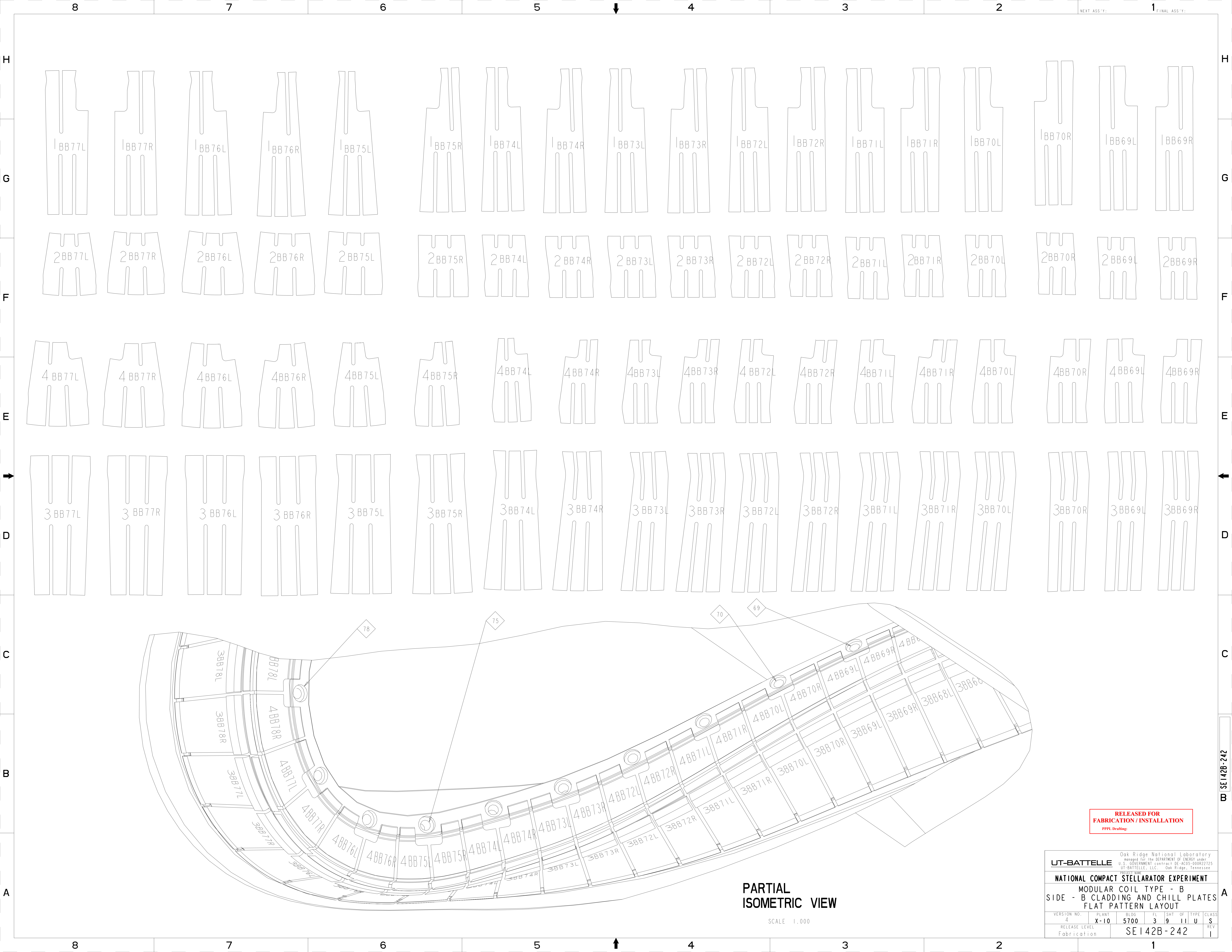
PARTIAL ISOMETRIC VIEW

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									
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RELEASE LEVEL		SE 142B-242								REV									
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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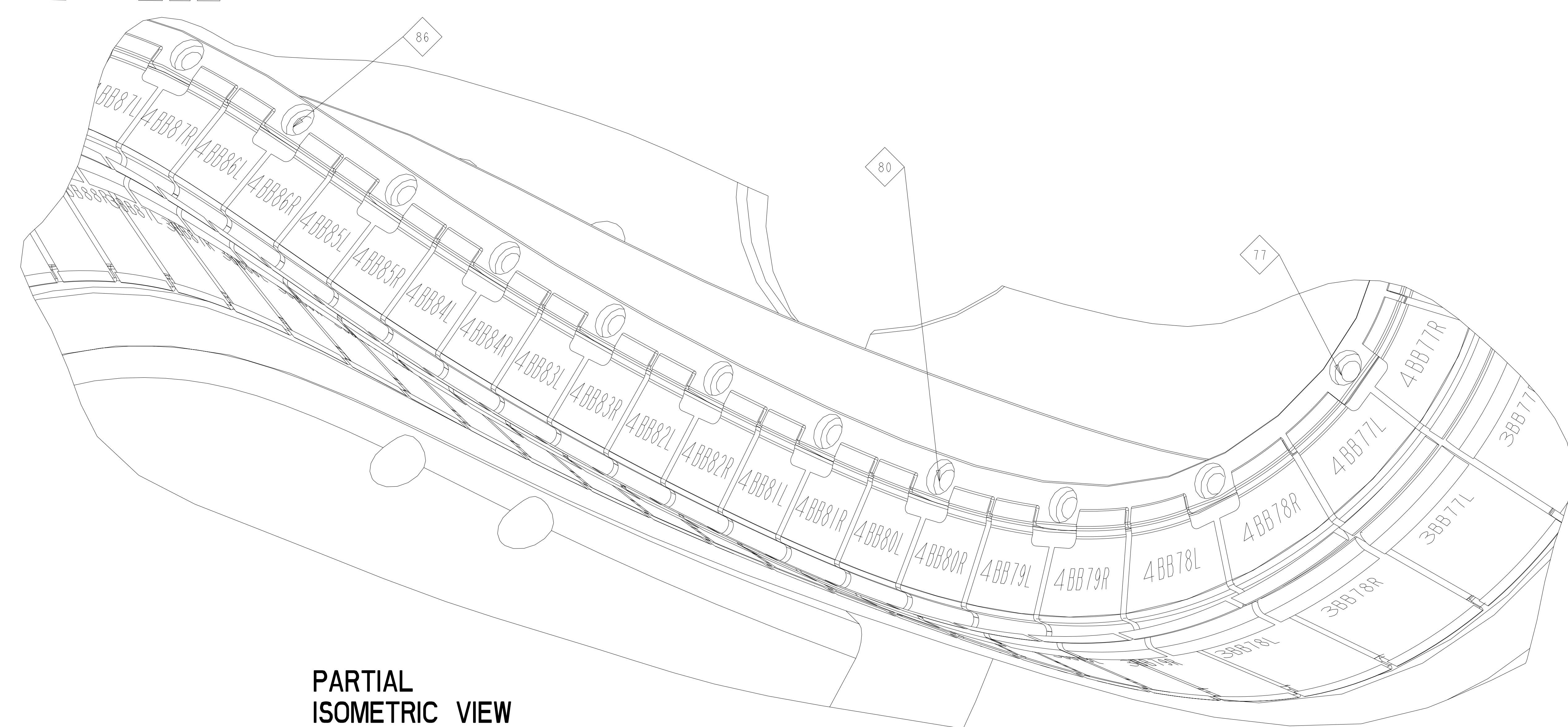
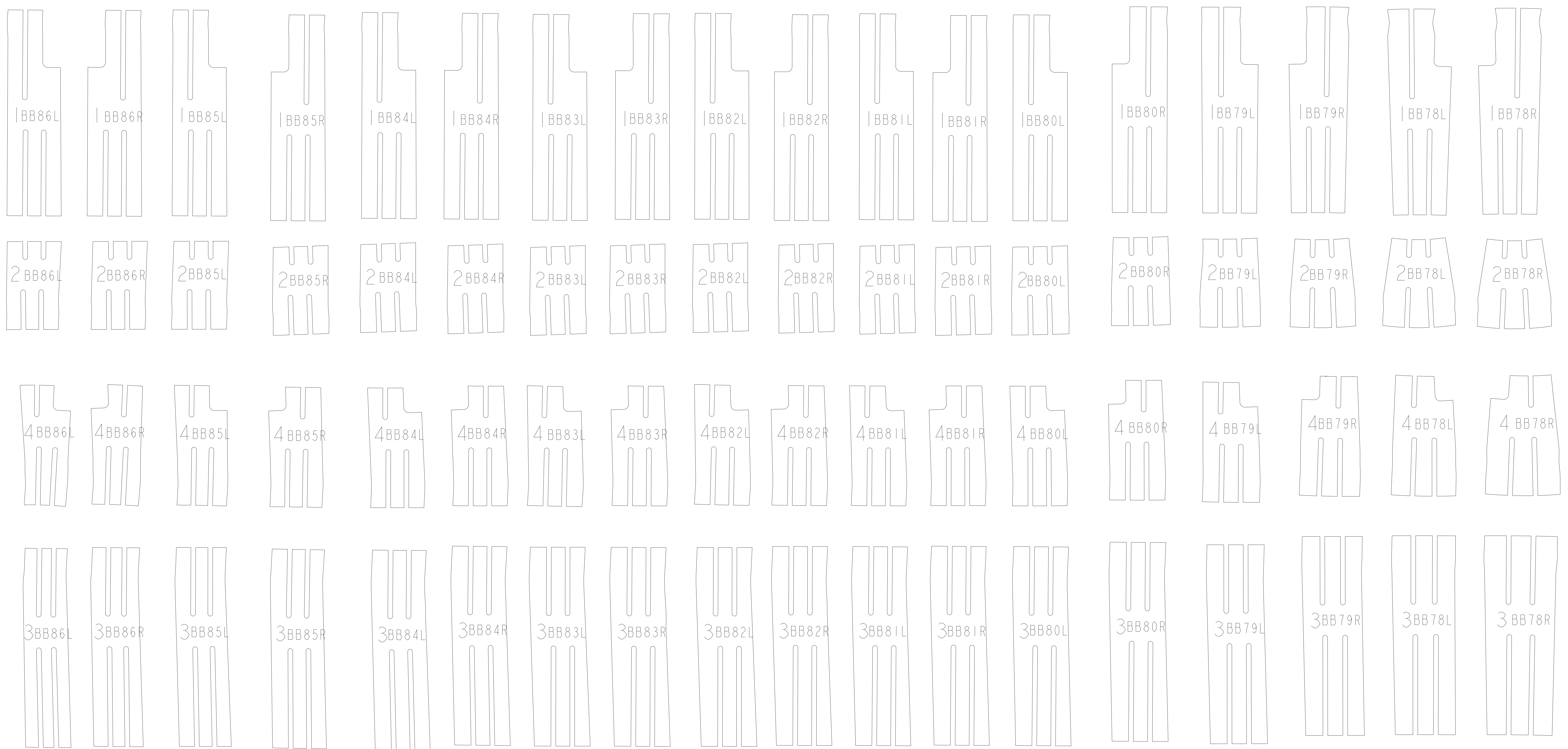
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NEXT ASS'Y: 1 FINAL ASS'Y:



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		
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RELEASE LEVEL		SE 142B-242							
Fabrication									

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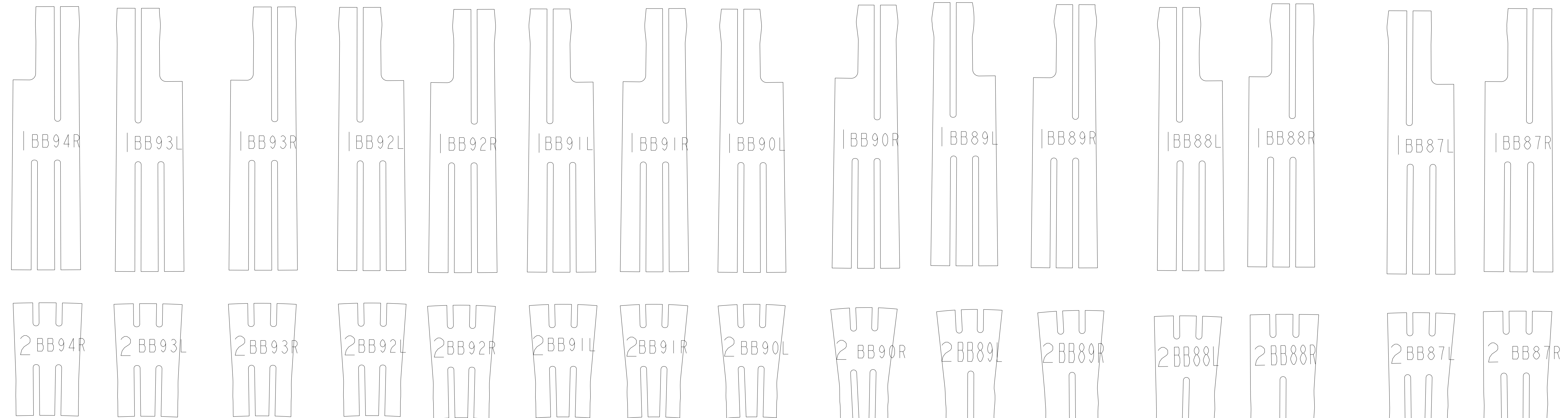
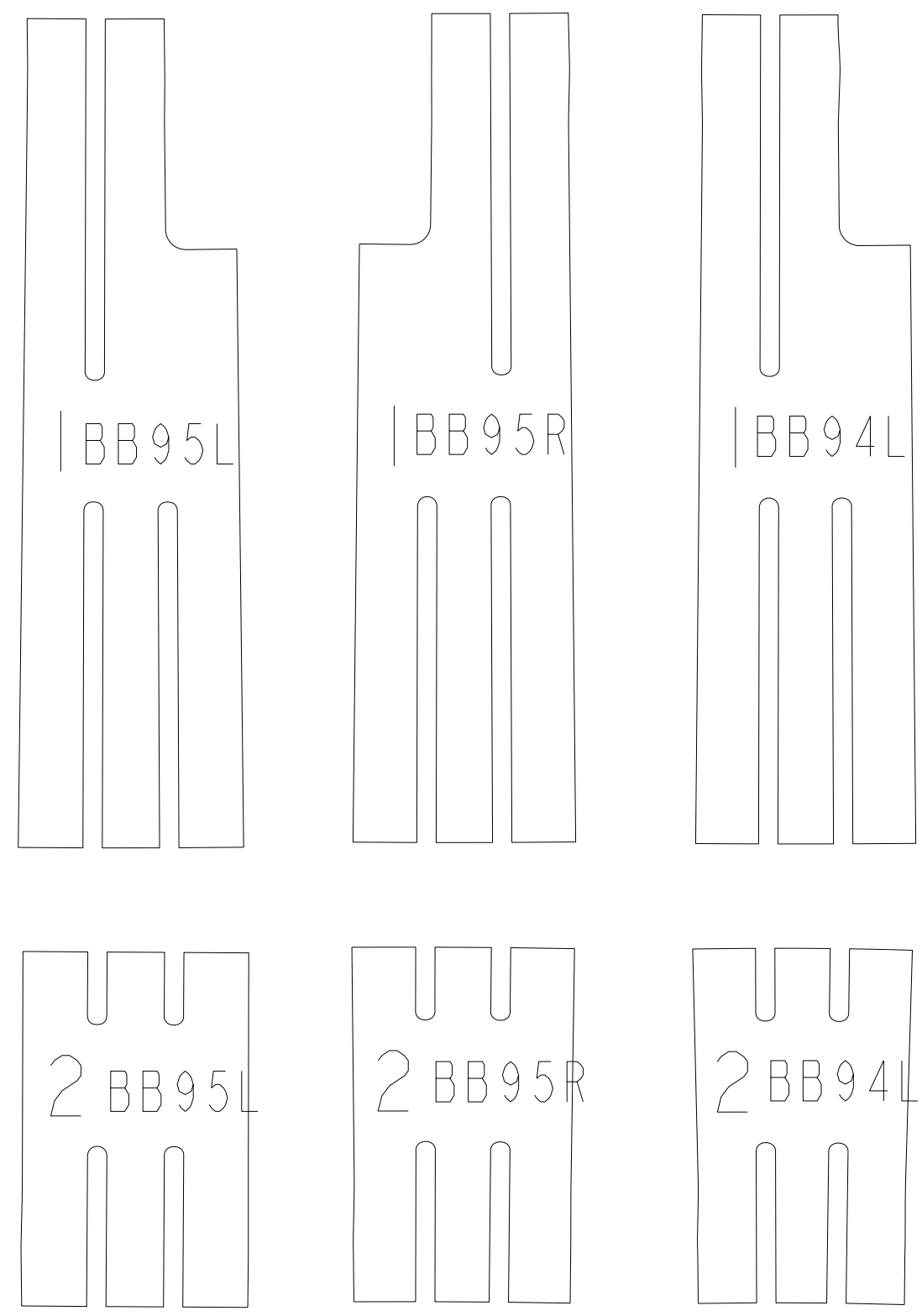
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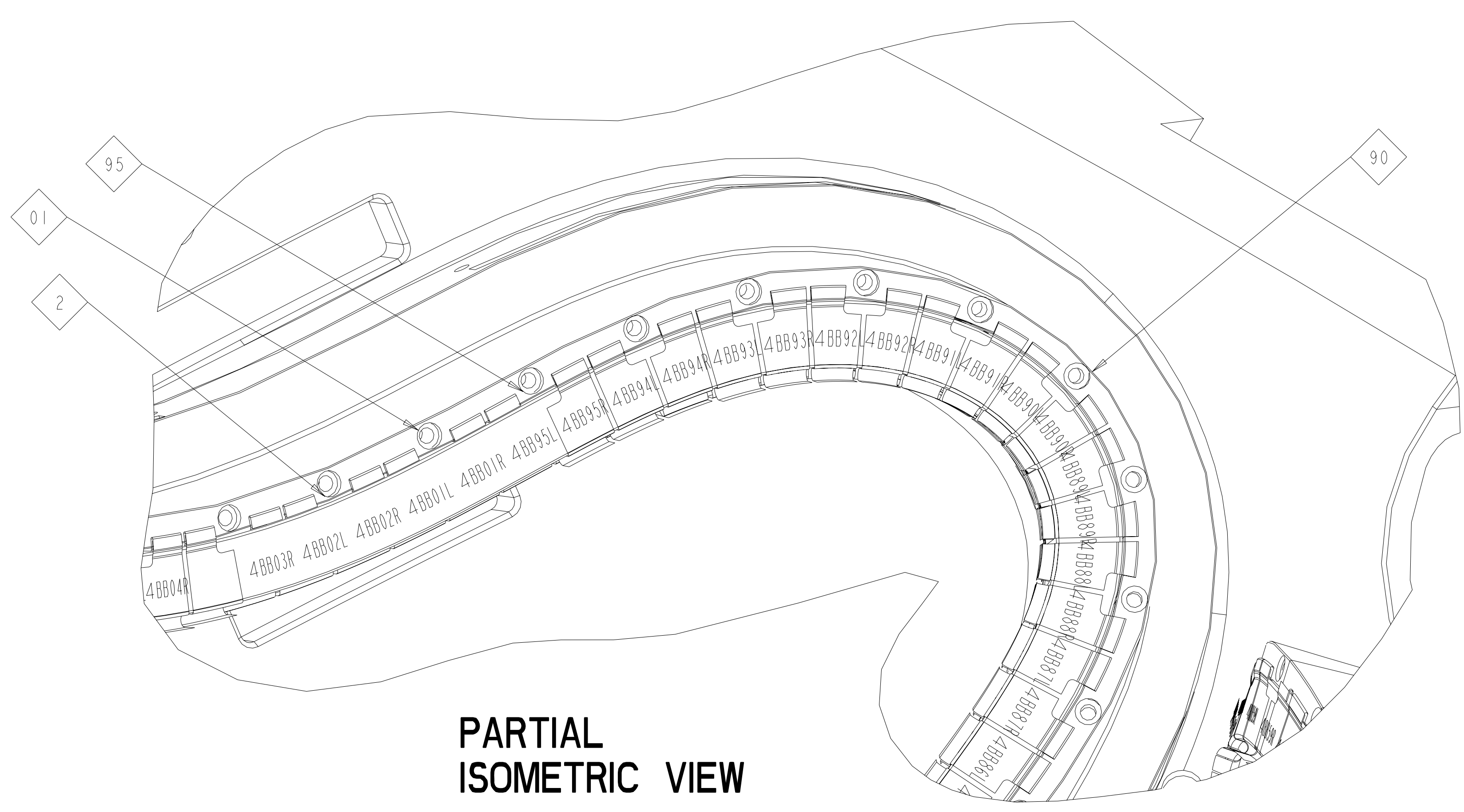
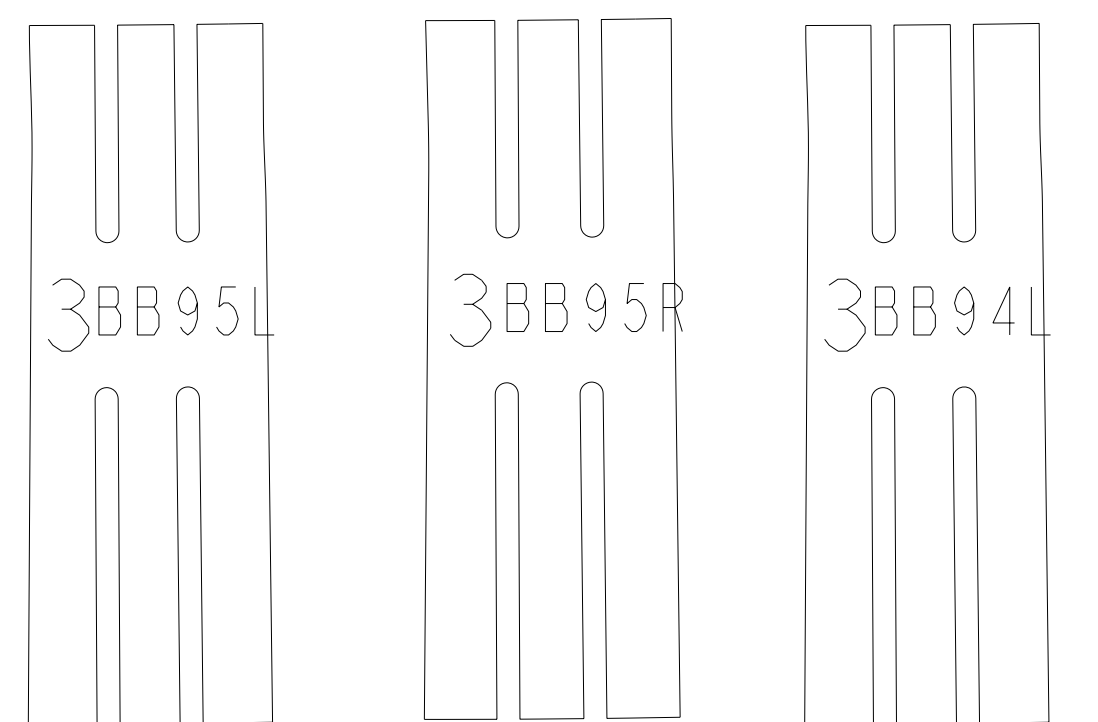
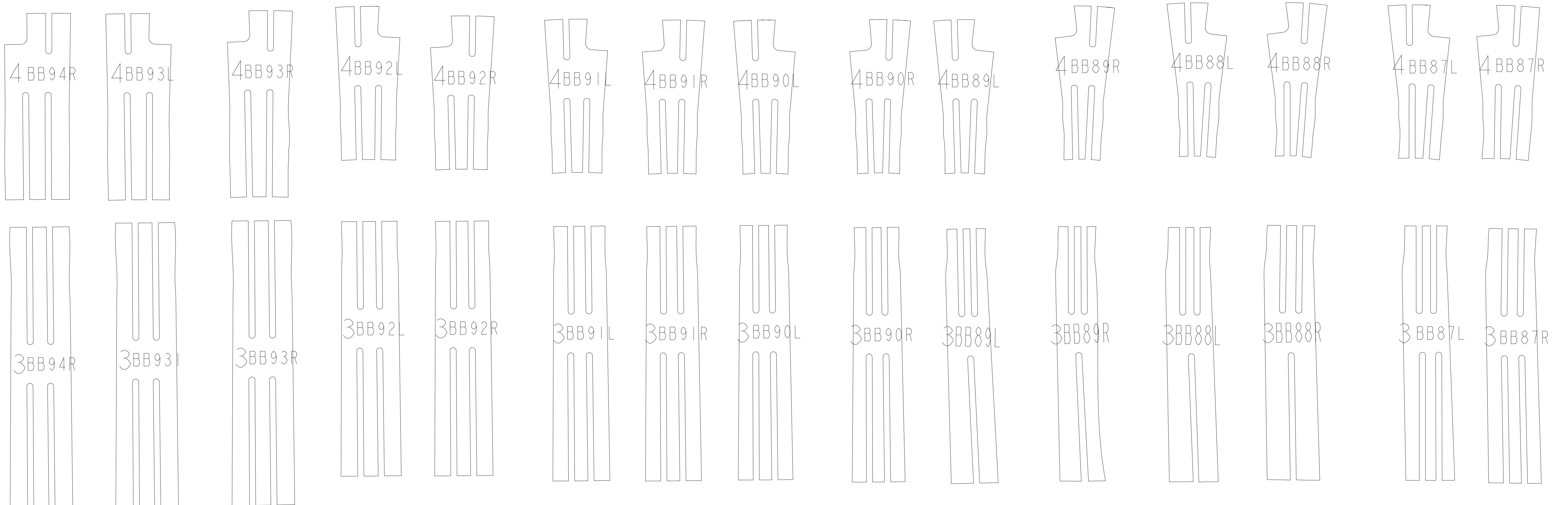
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THESE PARTS TO BE NEMA GRADE GIICR MATERIAL.



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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							REV	I
Fabrication											

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