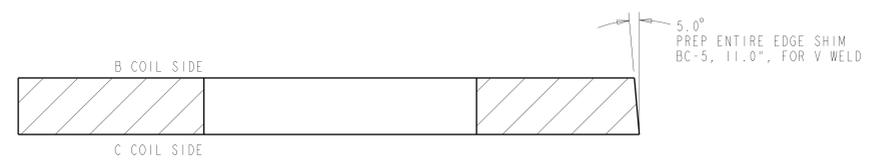
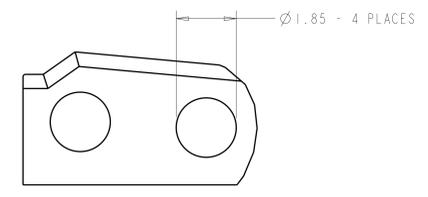


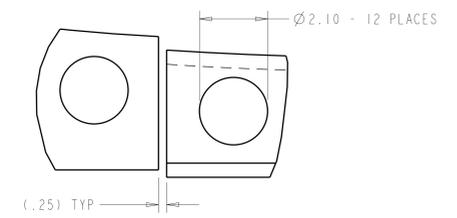
- NOTES
- DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.100-2004.
 - INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.
 - DIMENSIONS ARE IN INCHES
 - MAGNETIC PERMEABILITY NOT TO EXCEED 1.02 AS TESTED BY A SEVERN INDICATOR. AVAILABLE FROM:
SEVERN ENGINEERING
AUBURN, ALABAMA 36830
WWW.SEVERENGINEERING.COM
 - SHIMS TO BE ANNEALED AFTER ALL CUTTING AND GRINDING IF PERMEABILITY SPEC IN NOTE 4 IS NOT MET
 - SHIMS MAY BE FIELD TRIMMED AS REQUIRED
 - COMPLETED PARTS TO BE CLEAN AND FREE OF ANY OIL, DEBRIS, OR CONTAMINATES.



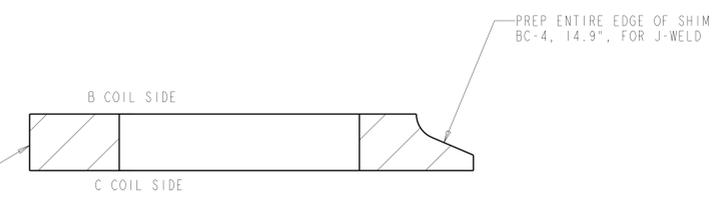
SECTION C-C
SCALE 2.00



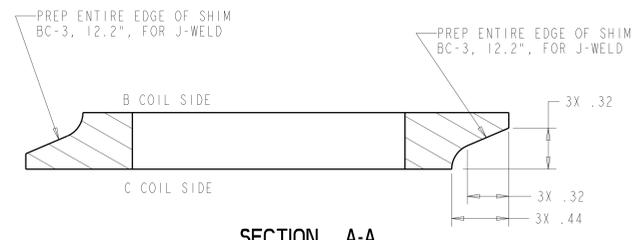
DETAIL D
SCALE 0.50



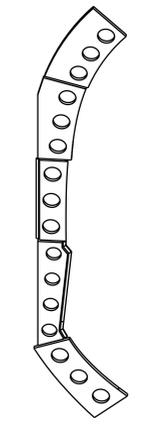
DETAIL E
SCALE 0.50



SECTION B-B
SCALE 2.00

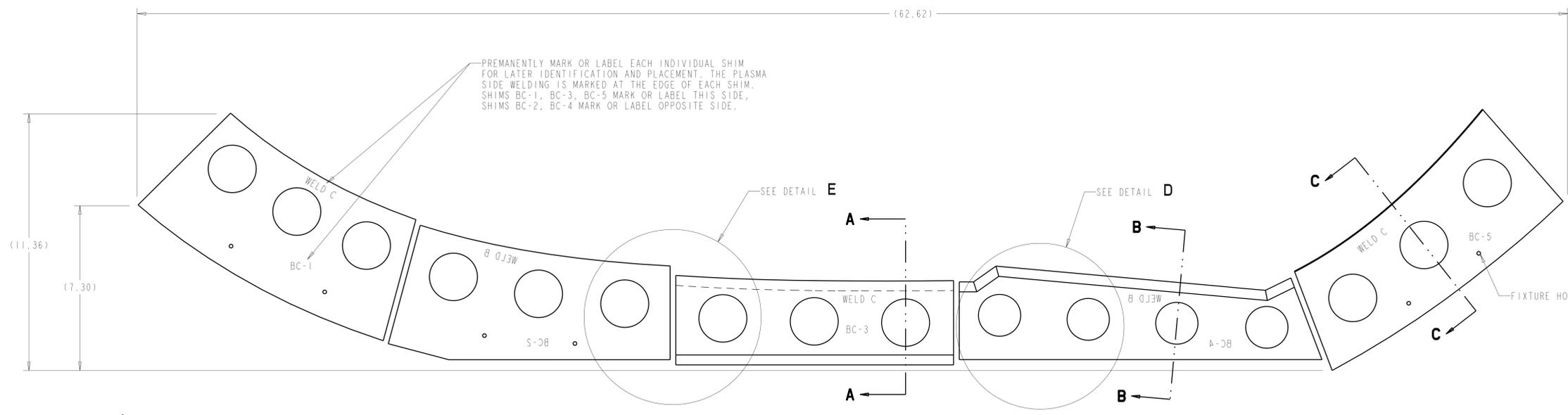


SECTION A-A
SCALE 2.00



ISOMETRIC VIEW
SCALE 0.125

ALL EDGES ARE AS CUT EXCEPT WHERE NOTED



-1 BC INBOARD SHIM
SCALE 0.50

UP ←

ORIENTATION TO DETERMINE SHIM POSITION AT INSTALLATION. SEE DRAWING SE140-046 FOR ADDITIONAL INFORMATION

NOTE: PART TO BE CUT FROM FULL SIZE TEMPLATE CREATED BY DXF FILE SE140-053.DXF, SEE SHEET 2.

AR	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
SE140-053	-1	BC INBOARD SHIM	316L ANNEALED	ASTM A240		
NEXT ASSEMBLY			PARTS LIST			

RELEASED FOR FABRICATION / INSTALLATION
PPPL Drafting:

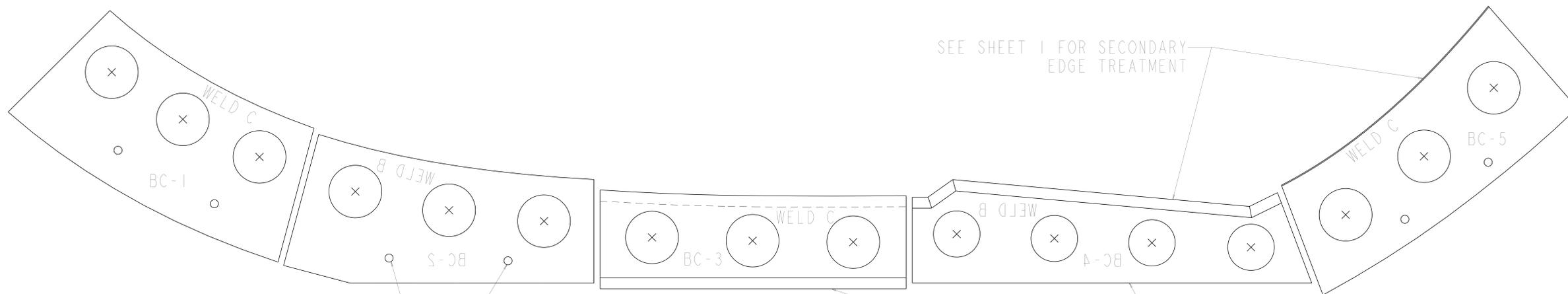
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P THIS DRAWING PRODUCED ON PRO-ENGINEER

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
0	ORIGINAL ISSUE	SH	01/08	MC		01/08						
REVISION OR ISSUE PURPOSE												
REVISION APPROVAL												

SCALE NOTED		DES	DATE
TOLERANCES UNLESS OTHERWISE SPECIFIED		D WILLIAMSON	01/2008
FRACTIONS		S HOMESCU	01/2008
XX DECIMALS	±.01	M COLE	01/2008
XXX DECIMALS	±.005		
ANGLES	±0'15"		
BREAK SHARP EDGES OR MAX FINISH	.125 UNLESS OTHERWISE SPECIFIED		

UT-BATTELLE		Oak Ridge National Laboratory	
NATIONAL COMPACT STELLARATOR EXPERIMENT		U.S. GOVERNMENT CONTRACT DE-AC05-00OR22725	
B-C INBOARD SHIM		UT-BATTELLE, LLC - Oak Ridge, Tennessee	
VERSION NO.	PLANT	BLDG	FL
18	ORNL	5700	3
RELEASE LEVEL	SHT	OF	TYPE
Fabrication	1	2	S
SE140-053		CLASS	
		REV	
		0	



2 FIXTURE HOLES PER SHIM, ϕ .31 DIA, MAY BE LOCATED APPROXIMATELY IN AREAS SHOWN AS REQUIRED.

NOTE: PART SIZE AND HOLE LOCATIONS MUST NOT DEVIATE FROM DXF FILE BY MORE THAN $\pm .03$

FIXTURE HOLES MAY NOT BE LOCATED INSIDE PERIMETER OF NARROW SHIMS. VENDOR OPTION TO FIXTURE WITH OTHER METHODS.

FULL SIZE TEMPLATE - CREATED FROM DXF FILE SE140-053.DXF
SCALE 1 : 1

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PPPL Drafting

UT-BATTELLE		Oak Ridge National Laboratory Managed for the Department of Energy by Lockheed Martin Energy Research Corporation 4800 Roanoke Avenue, Knoxville, TN 37932-6100	
NATIONAL COMPACT STELLARATOR EXPERIMENT			
B-C INBOARD SHIM			
REV	DATE	BY	CHKD BY
18	08/01	ST00	3 12 2 18
PROJECT		SE140-053	