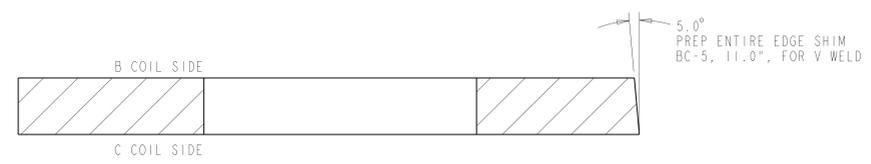
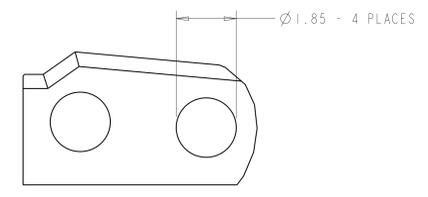


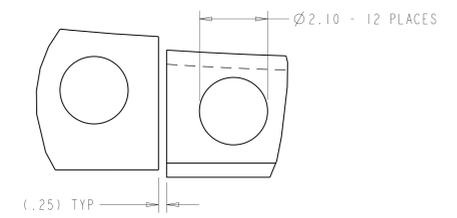
- NOTES
1. DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.100-2004.
 2. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.
 3. DIMENSIONS ARE IN INCHES
 4. MAGNETIC PERMEABILITY NOT TO EXCEED 1.02 AS TESTED BY A SEVERN INDICATOR. AVAILABLE FROM:
SEVERN ENGINEERING
AUBURN, ALABAMA 36830
WWW.SEVERNENGINEERING.COM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



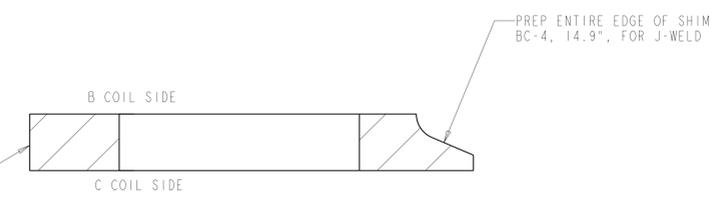
SECTION C-C
SCALE 2.00



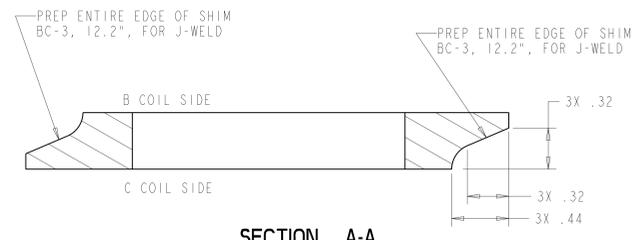
DETAIL D
SCALE 0.50



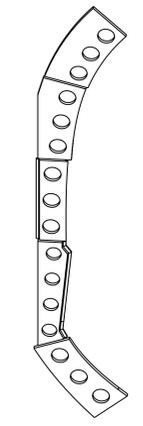
DETAIL E
SCALE 0.50



SECTION B-B
SCALE 2.00

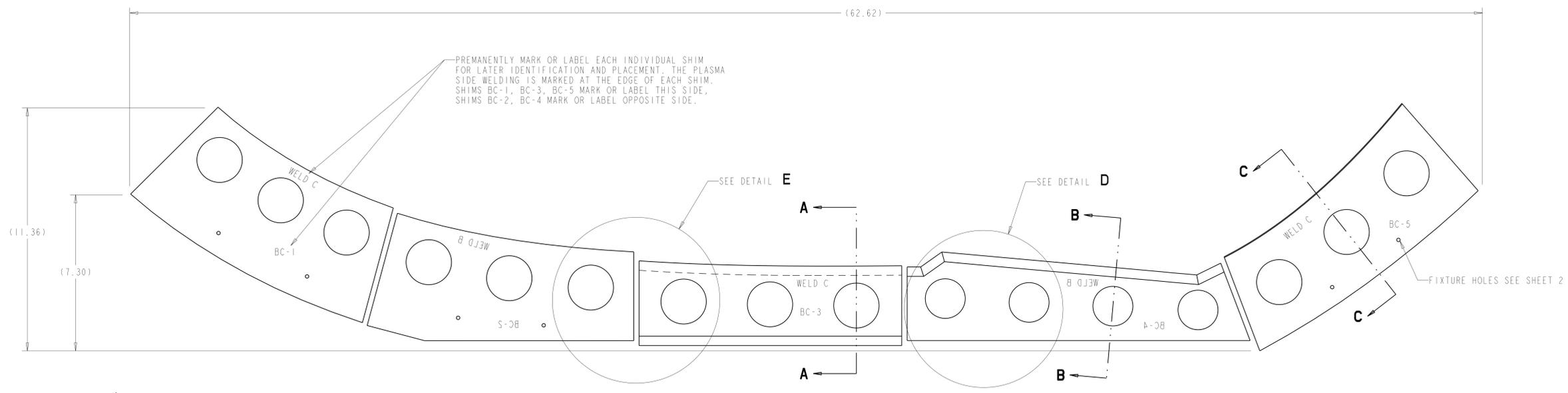


SECTION A-A
SCALE 2.00



ISOMETRIC VIEW
SCALE 0.125

ALL EDGES ARE AS CUT EXCEPT WHERE NOTED



-1 BC INBOARD SHIM
SCALE 0.50

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
SE140-003	-1	BC INBOARD SHIM	316L ANNEALED	ASTM A240		
PARTS LIST						

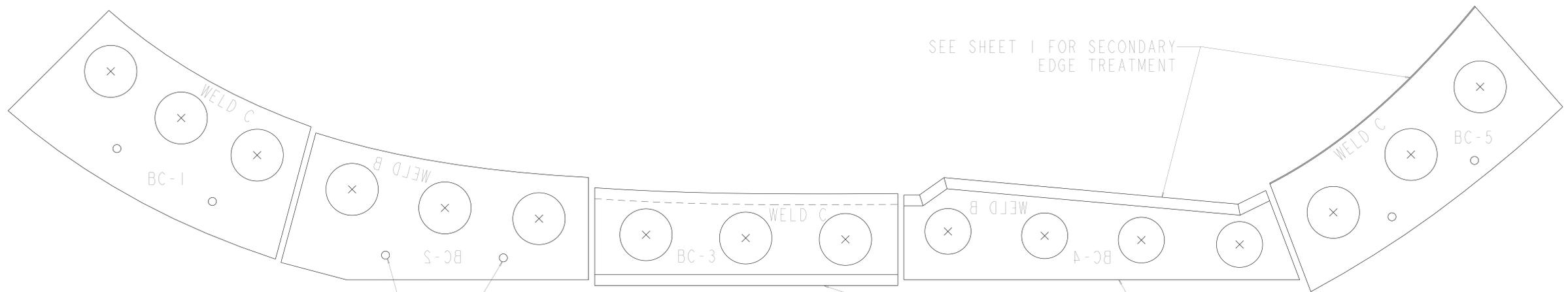
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P THIS DRAWING PRODUCED ON PRO-ENGINEER

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

SCALE NOTED		DES: D WILLIAMSON	01/2008
TOLERANCES UNLESS OTHERWISE SPECIFIED		DRW: S HOMESCU	01/2008
FRACTIONS		CHK: M COLE	01/2008
XX DECIMALS ±.01		SECT:	
XXX DECIMALS ±.005		DEPT:	
ANGLES ±0°15'		PE:	
BREAK SHARP EDGES OR MAX		CR:	
FINISH .125 UNLESS OTHERWISE SPECIFIED		PJ:	
		RD:	
		PPPL DRFT J SIEGEL	01/2008

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	
NATIONAL COMPACT STELLARATOR EXPERIMENT			
B-C INBOARD SHIM			
VERSION NO.	PLANT	BLDG	FL SHT OF TYPE CLASS
18	ORNL	5700	3 1 2 S U
RELEASE LEVEL		SE140-053	
WIP		REV 0	



2 FIXTURE HOLES PER SHIM, Ø.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 ± .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