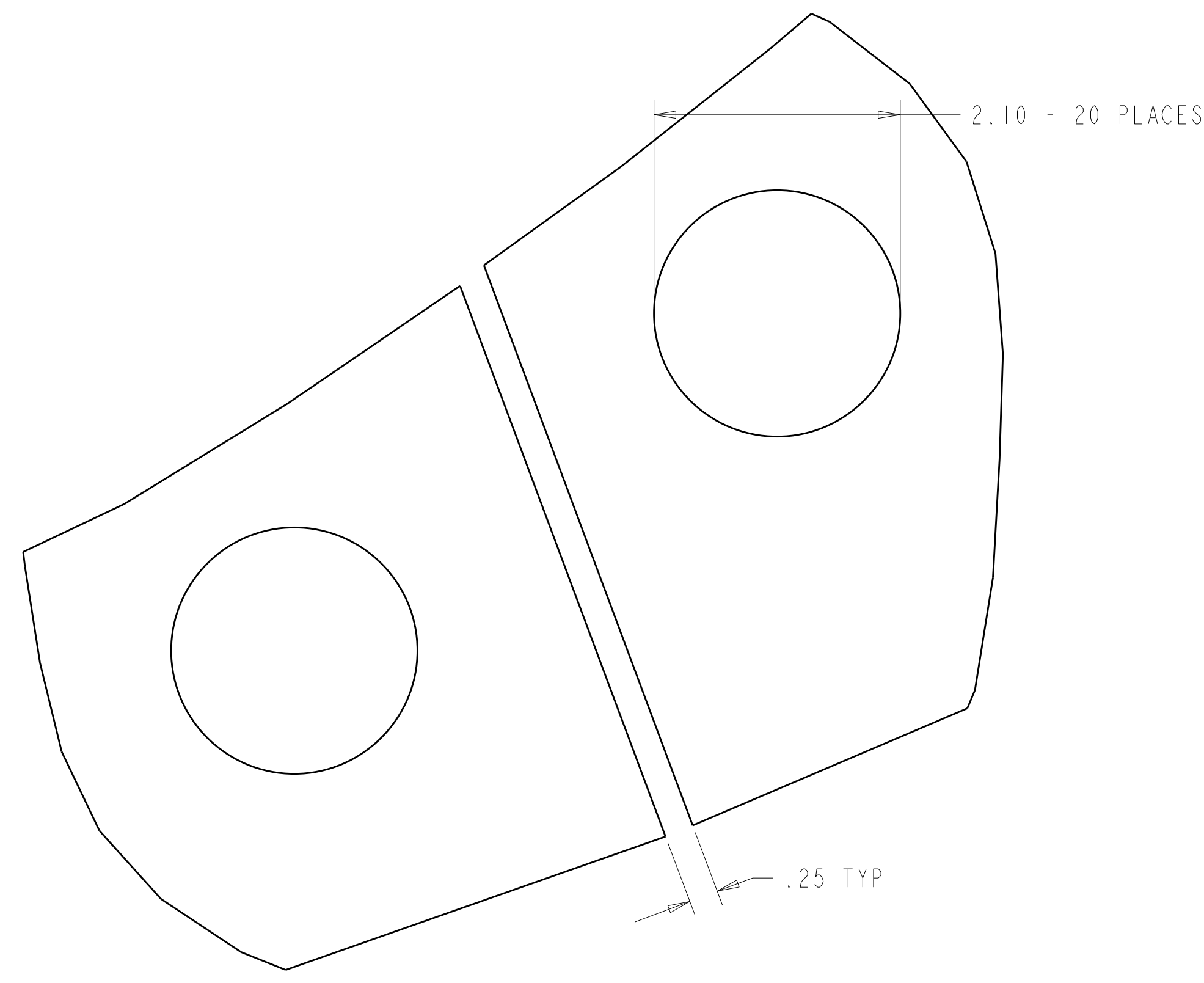
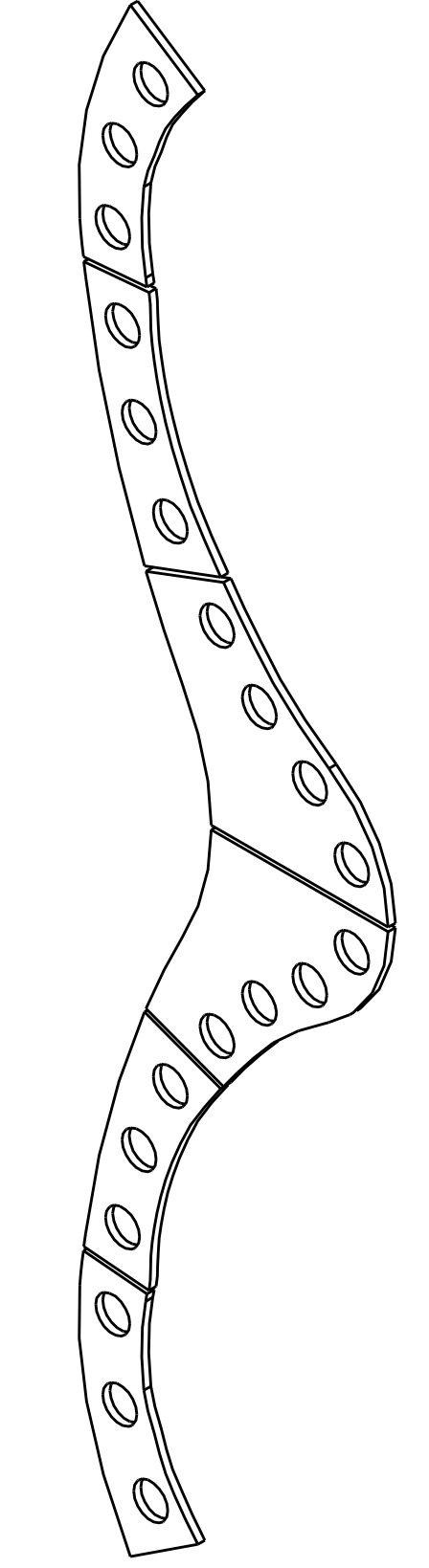


NOTES

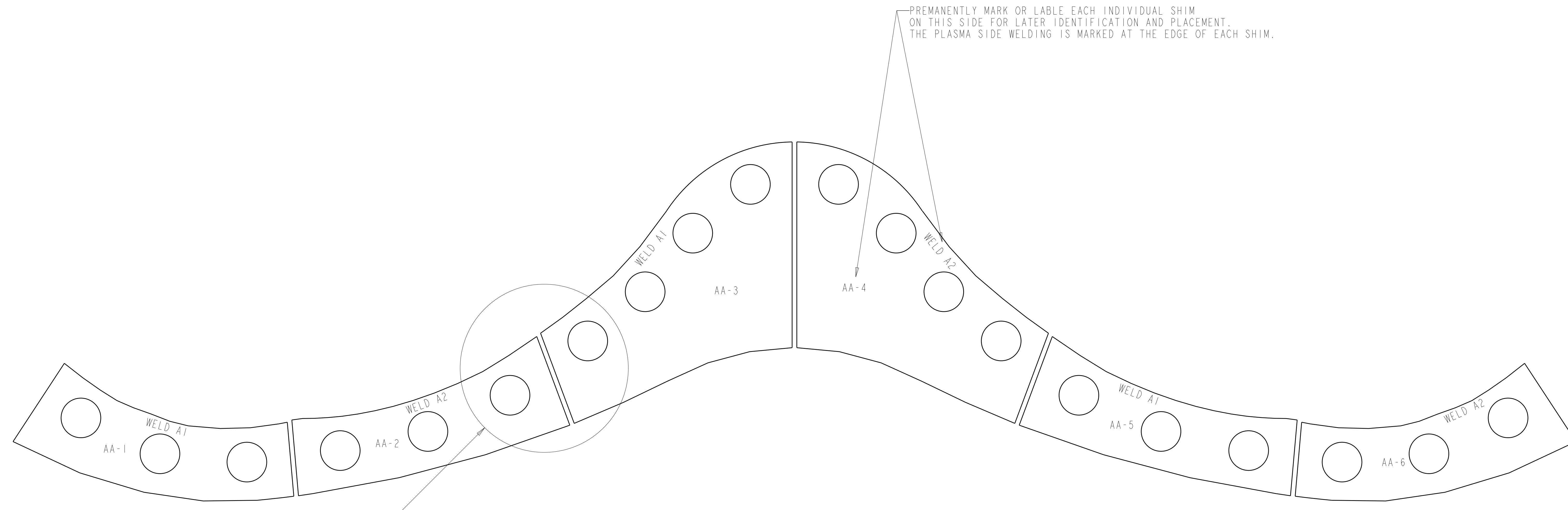
1. DRAWING PREPARED IN ACCORDANCE WITH ASME Y14.100-2004.
2. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994.
3. DIMENSIONS ARE IN INCHES
4. MAGNETIC PERMEABILITY NOT TO EXCEED 1.02 AS TESTED BY A SEVERN INDICATOR. AVAILABLE FROM:
SEVERN ENGINEERING
AUBURN, ALABAMA 36830
WWW.SEVERENGINEERING.COM
5. SHIMS TO BE ANNEALED AFTER COMPLETING ALL CUTTING AND GRINDING.



DETAIL A
SCALE: 1.000



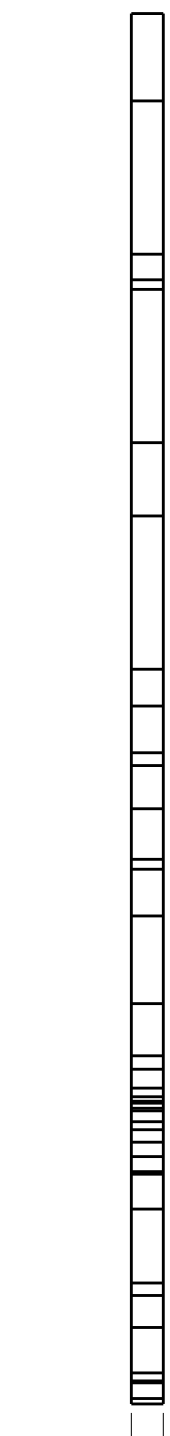
ISOMETRIC VIEW
SCALE: 0.125



-1 AA INBOARD SHIM
SCALE: 0.38

SEE DETAIL A

PRELIMINARY
10-25-2007



.44 STOCK

| AR | -1 | AA INBOARD SHIM | 316 SST 5 | ASTM A240 | I |
|-------------|----|------------------------|-----------|-----------------------------|---------|
| CAGE CODE | | PART OR IDENTIFYING NO | | NOMENCLATURE OR DESCRIPTION | |
| SEE 100-002 | | | | MATERIAL | FIND NO |
| | | | | SPECIFICATION | |
| | | | | PARTS LIST | |
| | | | | | |

NOTE: PART TO BE CUT FROM FULL SIZE TEMPLATE, SEE SHEET 2.

SCALE NOTED

TOLERANCES UNLESS OTHERWISE SPECIFIED

FRACTIONS .125 UNLESS OTHERWISE SPECIFIED

XX DECIMALS ±.01

XXX DECIMALS ±.005

ANGLES ±0°15'

BREAK SHARP EDGES .06 MAX

FINISH .125 UNLESS OTHERWISE SPECIFIED

| |
|----------------------------|
| DES: D WILLIAMSON 10/2007 |
| DRW: S HOMESCU 10/2007 |
| CHK: M COLE 10/2007 |
| SECT: : |
| DEPT: : |
| PE: : |
| CR: : |
| PJ: : |
| RED: : |
| PPPL DRFT J SIEGEL 10/2007 |
| : |
| : |
| DRAWING APPROVALS DATE |

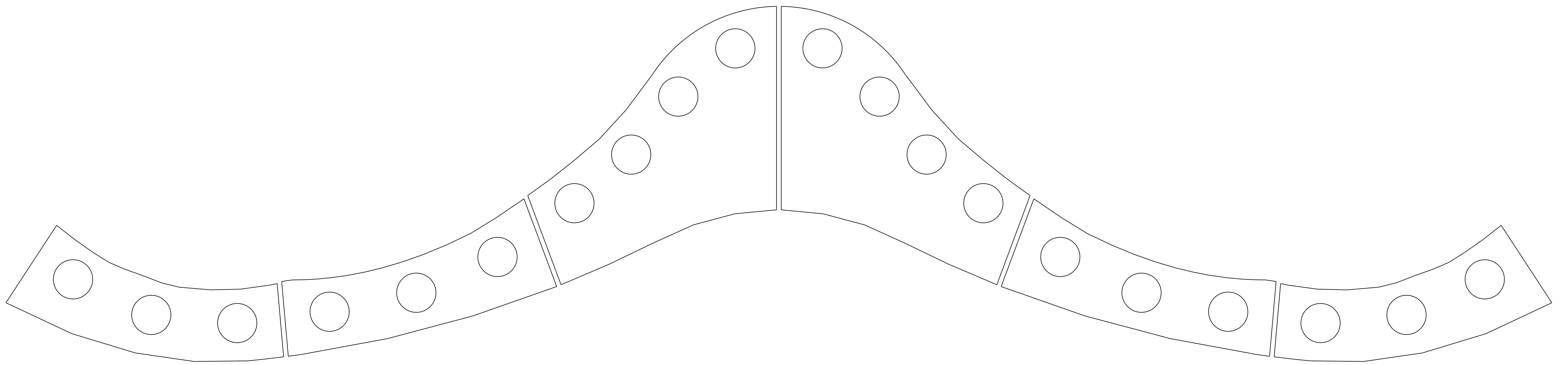
| UT-BATTELLE | Oak Ridge National Laboratory managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT CONTRACT DE-AC05-00OR22725 UT-BATTELLE, LLC. Oak Ridge, Tennessee | | | | | |
|---|--|------|----|--------|------|-------|
| NATIONAL COMPACT STELLARATOR EXPERIMENT | | | | | | |
| A-A INBOARD SHIM | | | | | | |
| VERSION NO. | PLANT | BLDG | FL | SHT OF | TYPE | CLASS |
| 4+ | ORNL | 5700 | 3 | 1 | 2 | S U |
| RELEASE LEVEL | SE140-054 | | | | | REV |
| WIP | | | | | | 0 |

| REV | DESCRIPTION | SH | BY | DATE | CHK | DEPT | DATE | PE | REQ | DATE | DRNL | DOE | DATE |
|-----|---------------------------|----|----|-------|-----|------|-------|----|-----|------|------|-----|------|
| 0 | ORIGINAL ISSUE | | | 10/01 | MC | | 10/01 | | | | | | |
| | REVISION OR ISSUE PURPOSE | | | | | | | | | | | | |

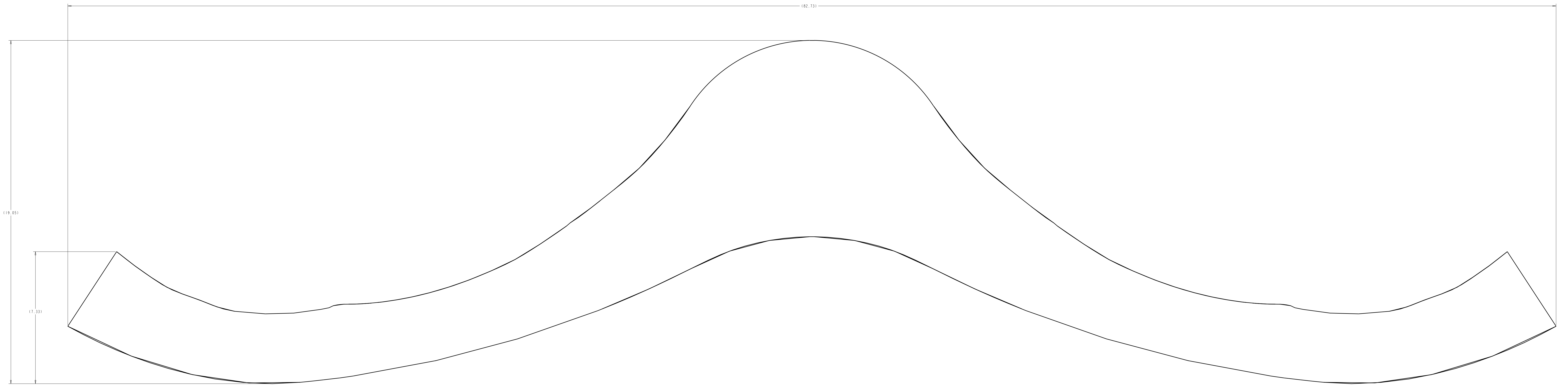
P THIS DRAWING PRODUCED ON PRO-ENGINEER

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H
G
F
E
D
C
B
A



FULL SIZE TEMPLATE - SHOWN WITH INDIVIDUAL SHIM CUT LINES
SCALE 1 : 1



FULL SIZE TEMPLATE - CHECK REF DIMS SHOWN FOR PROPER SCALE
SCALE 1 : 1