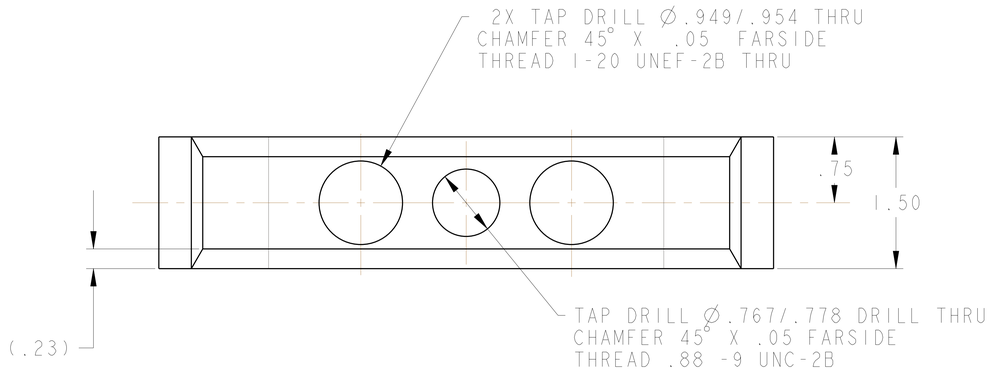
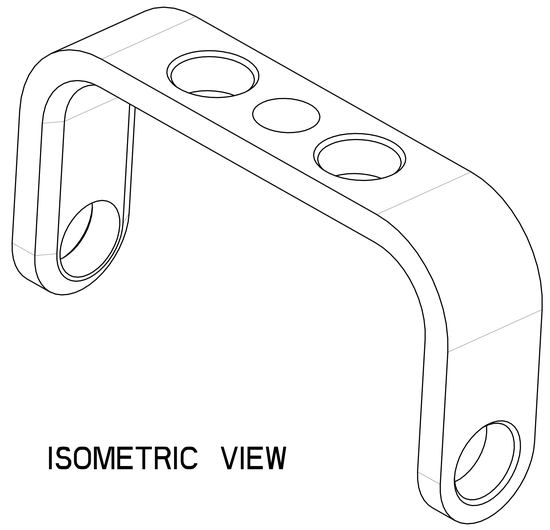
NOTES:

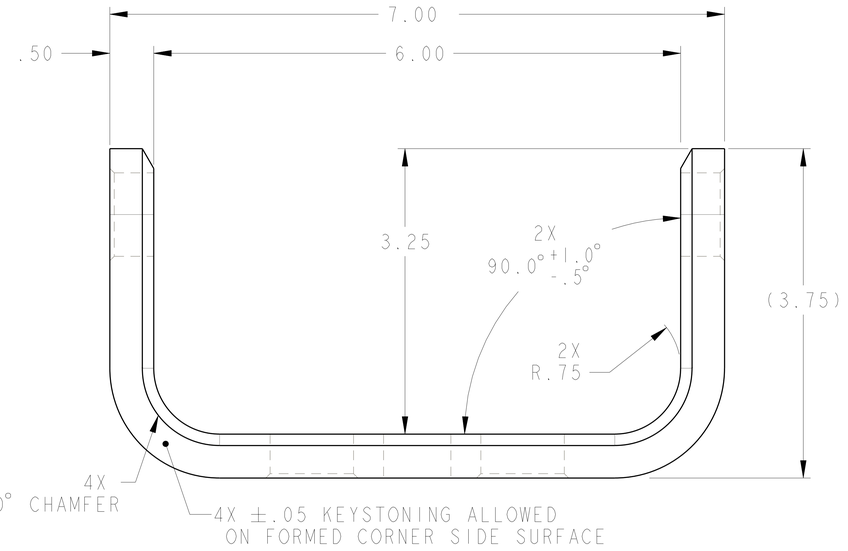
1. DRAWING PREPARED IN ACCORDANCEWITH ASME Y14.100.
2. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M
3. DIMENSIONS ARE IN INCHES
4. DIMENSIONS APPLY AT ROOM TEMPERATURE. OPERATING TEMP 80 K
5. GEOMETRY IS DEFINED IN PRO ENGINEER CAD MODELS/FILES
6. DRAWING AND MODELS COMBINED DEFINE FINISHED MACHINED PART
7. MAGNETIC PERMABILITY SHALL NOT EXCEED 1.02 AS TESTED BY A SEVERN-TYPE INDICATOR. AVAILABLE FROM

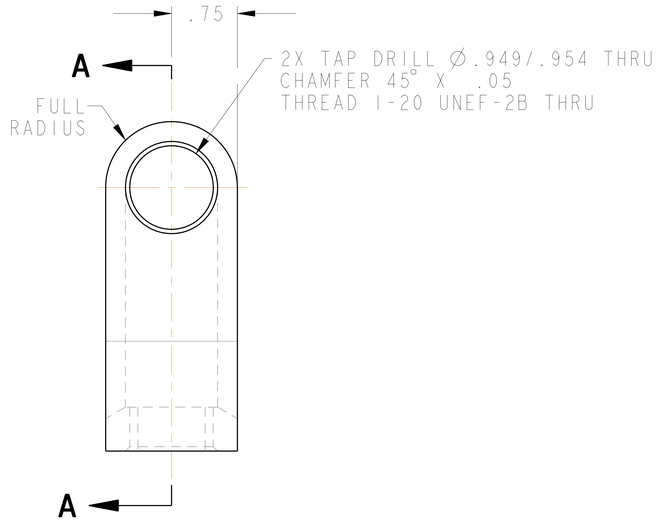
   SEVERN ENGINEERING COMPANY
   555 OLD STAGE ROAD SUITE 14
   AUBURN, ALABAMA 36830

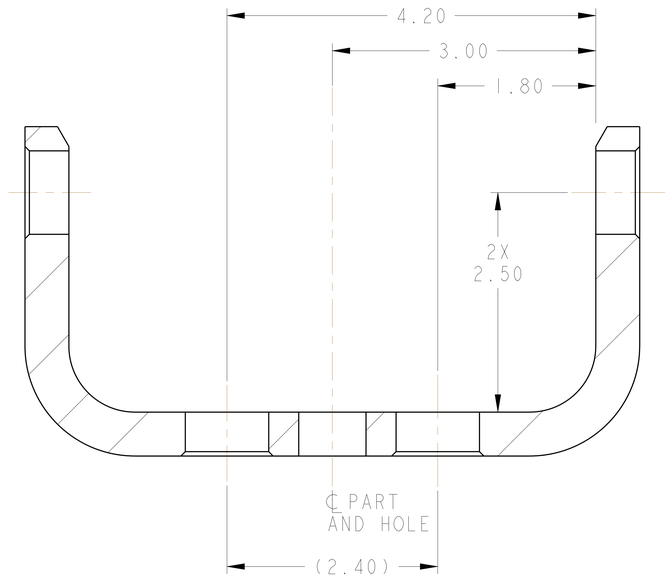




ISOMETRIC VIEW







SECTION **A-A**

1 BAR, CLAMP

RELEASED FOR FABRICATION / INSTALLATION
PPPL Drafting: Jerry Siegel 2005.12.02 15:00:32 -05'00'

7	AR	X		-1	BAR, CLAMP	UNS S31600		1
SE142C-270	-1		CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
			← NEXT ASSEMBLY	PARTS LIST				

SE142C-271 B

NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE ACCURACY, COMPLETENESS OR USEFULNESS OF THE INFORMATION OR STATEMENTS CONTAINED IN THESE DRAWINGS, OR THAT THE USE OR DISCLOSURE OF ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS MAY NOT INFRINGE PRIVATE RIGHTS OF OTHERS. NO LIABILITY IS ASSUMED WITH RESPECT TO THE USE OF, OR FOR DAMAGES RESULTING FROM THE USE OF, ANY INFORMATION, APPARATUS, METHOD OR PROCESS DISCLOSED IN THESE DRAWINGS. DRAWINGS MADE AVAILABLE FOR INFORMATION TO BIDDER ARE NOT TO BE USED FOR OTHER PURPOSES, AND ARE TO BE RETURNED UPON REQUEST OF THE FORWARDING CONTRACTOR.

P THIS DRAWING PRODUCED ON PRO-ENGINEER

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
	REVISION OR ISSUE PURPOSE	REVISION APPROVAL										

SCALE 1.50

TOLERANCES UNLESS OTHERWISE SPECIFIED
FRACTIONS
XX DECIMALS ±.01
XXX DECIMALS ±.005
ANGLES ±0° 15'
BREAK SHARP EDGES .06 MAX
FINISH 125 UNLESS OTHERWISE SPECIFIED

DES	PJ FOGARTY	1-03-05
DRW	GARY LOVETT	1-03-05
CHK	TOM HARGROVE	8-26-05
SECT	:	:
DEPT	:	:
PE	D WILLIAMSON	8-26-05
CR	:	:
PJ	:	:
REQ	:	:
PPPL DRFT	J SIEGEL	8-26-05
	:	:
	:	:

DRAWING APPROVALS DATE

UT-BATTELLE
Oak Ridge National Laboratory
managed for the DEPARTMENT OF ENERGY under U.S. GOVERNMENT contract DE-AC05-000R22725
UT-BATTELLE, LLC. Oak Ridge, Tennessee

PROJECT NAME: NATIONAL COMPACT STELLARATOR EXPERIMENT

BAR, CLAMP

VERSION NO.	PLANT	BLDG	FL	SHT	OF	TYPE	CLASS
6	X-10	5700	3	1	1	S	U

RELEASE LEVEL: Fabrication
SE142C-271
REV 0