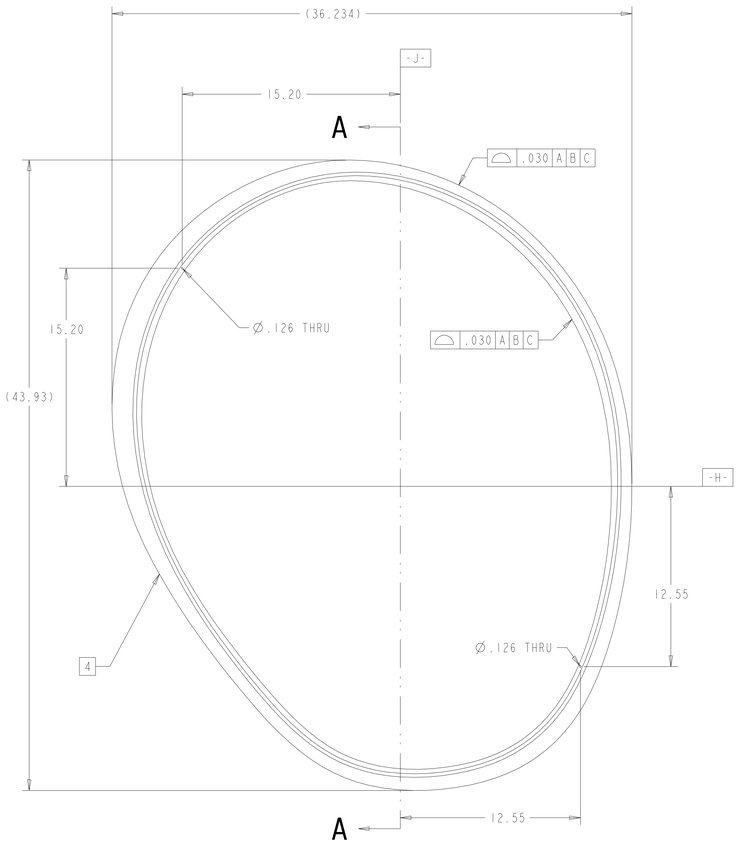
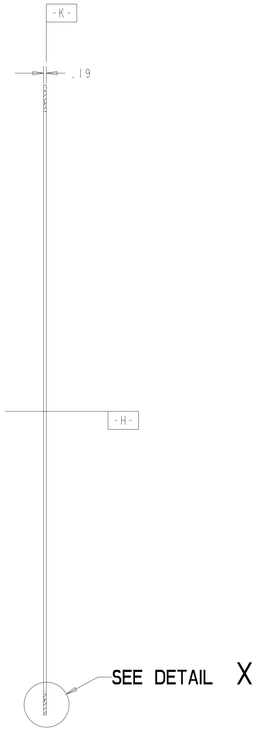
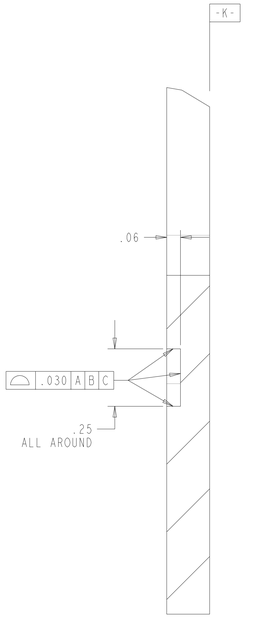


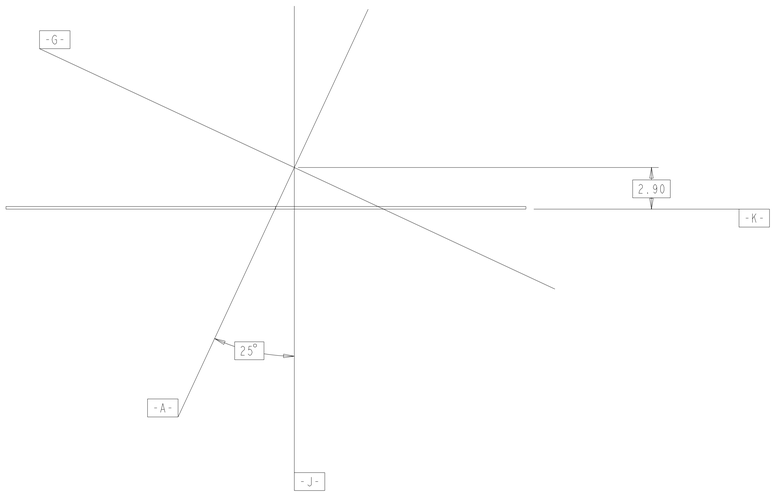


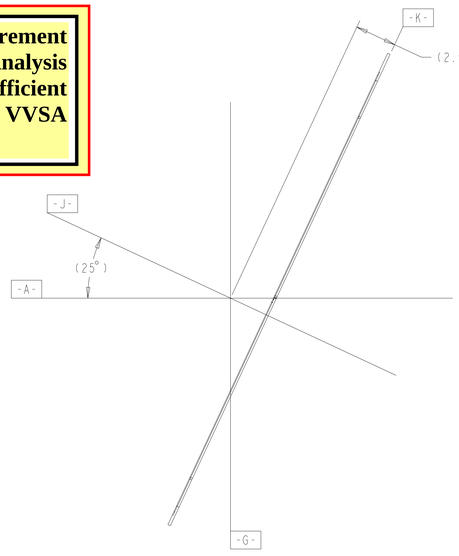


DETAIL X
SCALE 4.000

SECTION A-A

Rev 0-c: RFD-12-024 removed requirement to trim 6 seal plates on the VVSAs. Analysis confirmed that there was sufficient clearance to rotate MC over the VVSA without trimming.





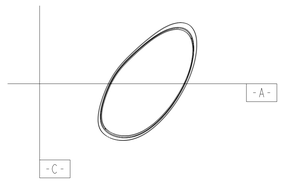
OBLATE VIEW
SCALE 0.250

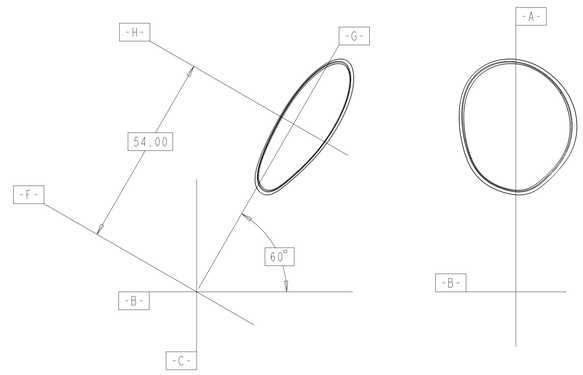
NOTES:

1. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M.
2. DIMENSION ARE IN INCHES.
3. FABRICATION, INSPECTION, AND TESTING SHALL BE PERFORMED IN ACCORDANCE WITH SPECIFICATION NCSX-CSPEC-121-02 AND STATEMENT OF WORK NCSX-SOW-121-03.

Rev 0-a: ECN-5123 (RFD-12-020) approved deletion of the contoured groove from the Seal Part #25 since it was determined that this groove is not required – Applicable to All 3 VVSAs.

Rev 0-b: ECN-5125 (RFD-12-021) approved the welding shut or omission of the 1/8" holes on the seals since they are not required – Applicable to All 3 VVSAs.





SE121-095 IN MACHINE OREINTATION - FROM TOP
SCALE 0.063

AR		-1	VACUUM VESSEL FLANGE SEAL DETAIL	UNS-N06625		1
201-10213	CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
	NEXT ASSEMBLY		PARTS LIST			

SE121-095

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P THIS DRAWING PRODUCED ON PRO-ENGINEER

RELEASED FOR FABRICATION / INSTALLATION

PPPL Drafting:

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

SCALE AS NOTED	DES P.GORANSON	8MAY04
TOLERANCES UNLESS OTHERWISE SPECIFIED	DRW G.FORTIER	9MAY04
	CHK M. J. COLE	6/04
FRACTIONS :	SECT :	:
XX DECIMALS ±.01	DEPT :	:
XXX DECIMALS ±.005	PE :	:
ANGLES ±0°15'	CR :	:
BREAK SHARP EDGES .06 MAX	PJ :	:
FINISH 125 UNLESS OTHERWISE SPECIFIED	REQ :	:
	PPPL DRFT J SIEGEL	6/04
	:	:
	DRAWING APPROVALS	DATE

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Oak Ridge National Laboratory
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UT-BATTELLE, LLC. Oak Ridge, Tennessee

PROJECT NAME
NATIONAL COMPACT STELLARATOR EXPERIMENT

VACUUM VESSEL FLANGE SEAL DETAIL

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

RELEASE LEVEL: Fabrication
SE121-095
REV 0