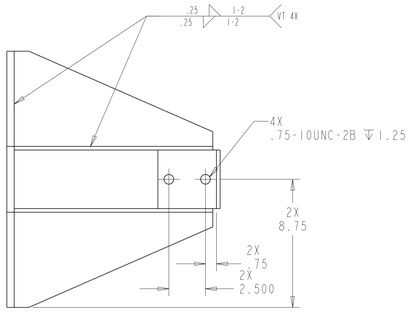
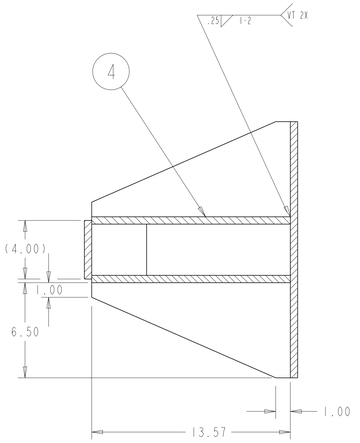
NEXT ASS'Y: | FINAL ASS'Y:

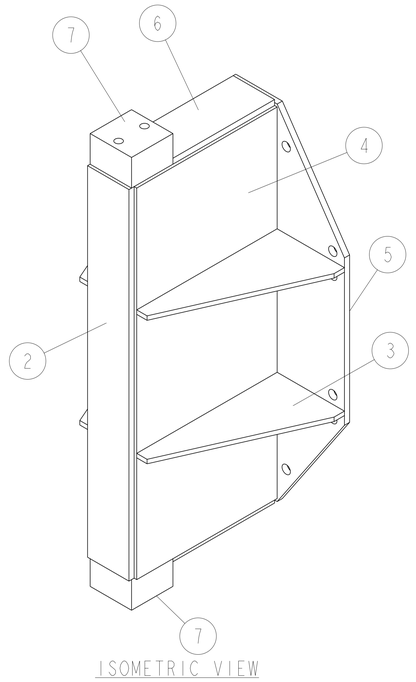
NOTES:

1. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M
2. DIMENSIONS 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
4. DIMENSIONS APPLY AT TEMPERATURE OF 20-30°C (68-86°F)
5. ANNEAL WELDMENT AFTER COMPLETIONS.
6. MAGNETIC PERMABLITY IS 1.04.
7. APPROXIMATE WEIGHT= 280 lbs.

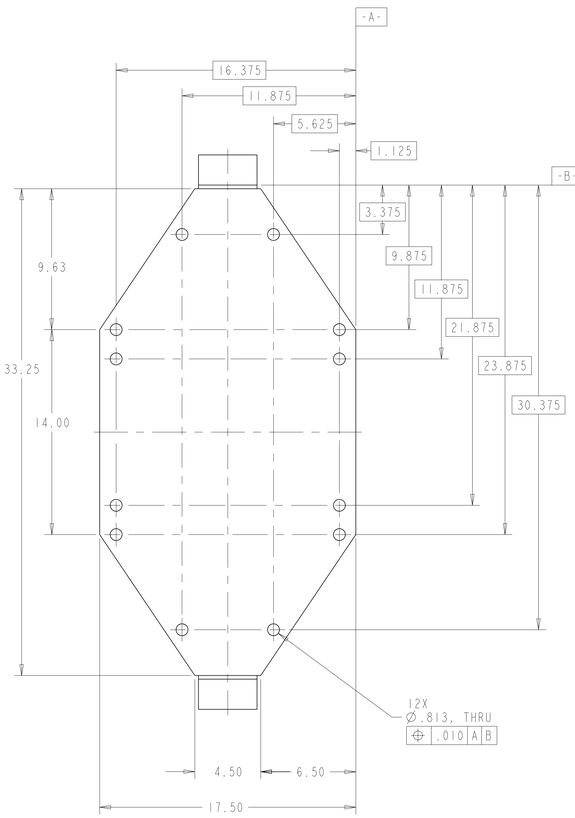


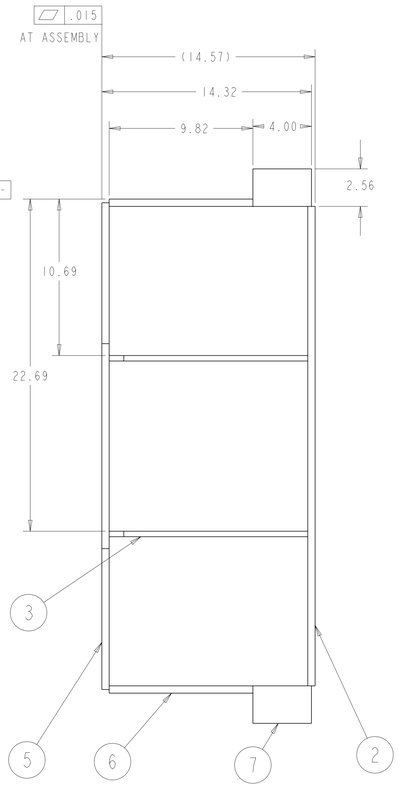


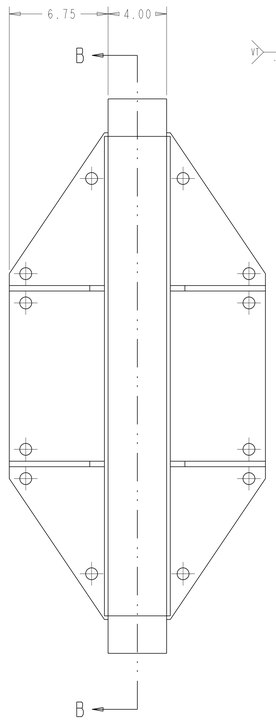
SECTION A-A

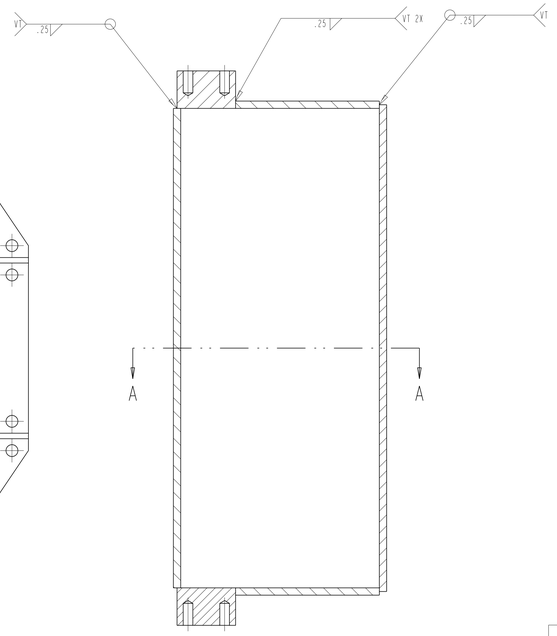


ISOMETRIC VIEW









SECTION B-B

		AR		-8	WELD, FILLER METAL		8
		2		-7	ATTACHMENT PLATE	316 SST	ASTM A240	7
		2		-6	TOP & BOTTOM PLATE, .50 THK	316 SST	ASTM A240	6
		1		-5	FLANGE, .50 THK	316 SST	ASTM A240	5
		2		-4	SIDE PLATE, .50 THK	316 SST	ASTM A240	4
		4		-3	WEB, .38 THK	316 SST	ASTM A240	3
		1		-2	FRONT PLATE, .50 THK	316 SST	ASTM A240	2
		AR	X	-1	PORT BRACKET WELDMENT			1
next assy	SE124-071	- 1		CAGE CODE	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
				NEXT ASSEMBLY		PARTS LIST			

1 SCALE: .25

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
0	ORIGINAL ISSUE	GHJ	3/3/05									

REVISION OR ISSUE PURPOSE | REVISION APPROVAL

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

DRAWING APPROVALS		DATE
DES	P.L.GORANSON	02/16/05
DRW	G.H.JONES	02/16/05
CHK	J.M.RAY	04-07-05
SECT	:	:
DEPT	:	:
PE	:	:
CR	:	:
PJ	:	:
REQ	:	:
PPPL DRFT	:	:
	:	:
	:	:

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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

PROJECT NAME
NATIONAL COMPACT STELLARATOR EXPERIMENT

LATERAL SUPPORT
NB PORT BRACKET
WELDMENT

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

RELEASE LEVEL: WIP
SE124-072
REV 0

SE124-072