



- NOTES:
1. INTERPRET DIMENSIONS AND TOLERANCES PER ANSI Y14.5M
 2. DIMENSIONS ARE IN INCHES
 3. DIMENSIONS APPLY AT TEMPERATURE OF 20-30°C (68-86°F)
 4. APPROXIMATE TOTAL WEIGHT = 10 lbs

REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
1	REVISE ASM AND DRAWING PER ECN 5283	GLL	09-07	MJC			PG					
0	ORIGINAL ISSUE	GHJ	03/3/05									
REV	DESCRIPTION	BY	DATE	CHK	DEPT	DATE	PE	REQ	DATE	ORNL	DOE	DATE
	REVISION OR ISSUE PURPOSE											

QTY	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	MATERIAL	SPECIFICATION	FIND NO
3	SE124-075	VERTICAL UPPER SUPPORT STUD			22
2	#92313A535	1/4-20 UNC X .375 LMG SET SCREW	MCMMASTER-CARR P.O. BOX 549670 LOS ANGELES, CA. 90054-0960		21
1	SE124-081	2.5 OD X 1.25 ID .125 THK FLAT WASHER	UNS 31600	ANSI B18.22.1	20
2	SE124-079	2.50D X 1.25 ID DISC SPRING	KEY BELLEVILLE K2500-M-175-1		19
2	SE124-082	2.25 OD X 1.125 ID DISC SPRING	KEY BELLEVILLE K2250-L-168-1		18
1	SE124-078	2.25 OD X 1.25 ID X .125 THK FLAT WASHER	UNS S31600	ANSI B18.22.1	17
1	SE124-076	VERTICAL UPPER SUPPORT SPACER			16
1	#92391A778	HAIRPIN COTTER PIN	MCMMASTER-CARR P.O. BOX 549670 LOS ANGELES, CA. 90054-0960		15
1	Ø .75	WASHER, FLAT	300 SERIES SST	ANSI B18.22.1	14
1	SE124-069	VERTICAL UPPER SUPPORT INSULATION WASHER			13
1	SE124-068	VERTICAL UPPER SUPPORT INSULATION SPHERICAL WASHER			12
9	#94805A217	VERTICAL UPPER SUPPORT JAM NUT	MCMMASTER-CARR P.O. BOX 549670 LOS ANGELES, CA. 90054-0960		11
1	SE124-065	VERTICAL UPPER SUPPORT INSERT			10
1	SE124-055	VERTICAL SUPPORT CLEVIS			9
3	SE124-037	VERTICAL UPPER SUPPORT STUD			8
1	SE124-036	VERTICAL UPPER SUPPORT RETAINER RING			7
1	SE124-034	VERTICAL UPPER SUPPORT SPHERICAL NUT			6
1	SE124-033	VERTICAL UPPER SUPPORT SPHERICAL BEARING			5
1	SE124-020	VERTICAL UPPER SUPPORT ROD			4
1	SE124-014	VERTICAL SUPPORT ROD END, FEMALE			3
1	SE124-013	VERTICAL SUPPORT CLEVIS PIN			2
1	-1	VERTICAL UPPER SUPPORT ASSEMBLY			1

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

DES: PAUL MILLER 08-17-04
DRW: PAUL MILLER 08-17-04
CHK: J.M. RAY 04-07-05

UT-BATTELLE
NATIONAL COMPACT STELLARATOR EXPERIMENT

VERTICAL UPPER SUPPORT ASSEMBLY

VERSION NO. 5
PLANT X10
BLDG 5700
FL 3
SHT OF 1
TYPE I
CLASS A

RELEASE LEVEL WIP
SE124-051

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P THIS DRAWING PRODUCED ON PRO-ENGINEER

SCALE: 1.00

DETAIL A
SCALE 2.00

DETAIL X
SCALE 2.00

ISOMETRIC VIEW
SCALE 0.50

SECTION A-A

H
G
F
E
D
C
B
A

SE124-051

SE124-051