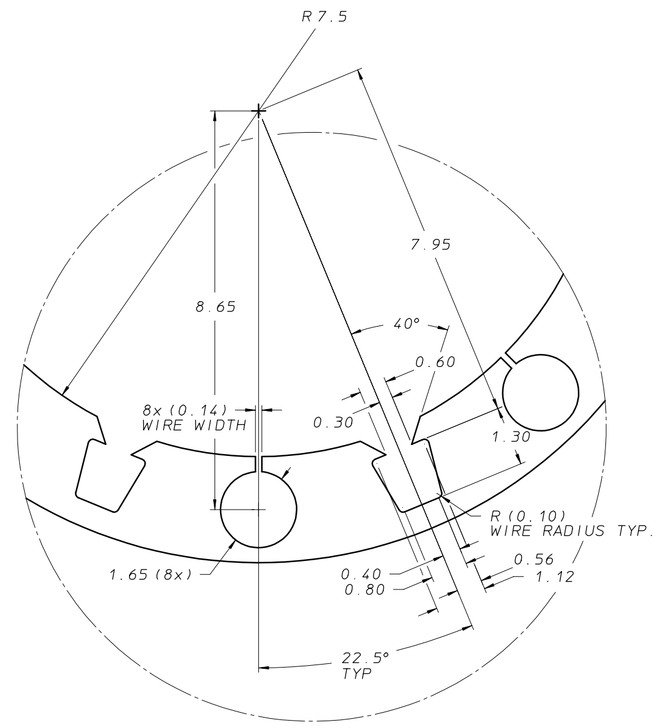
NOTES (UNLESS OTHERWISE SPECIFIED):

1) DIMENSIONS IN INCHES.

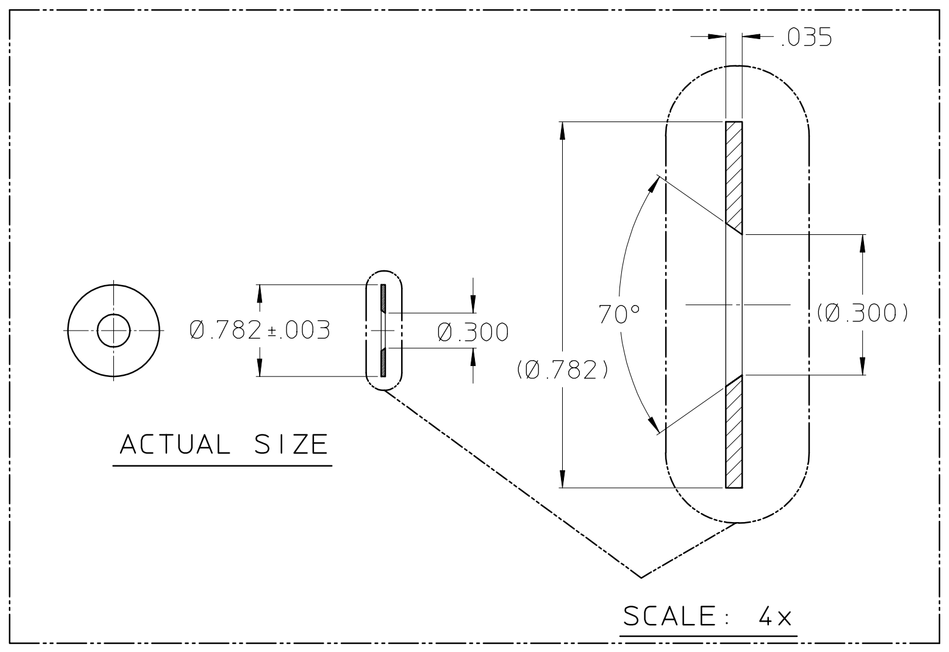
ITEM	REQD	PART NUMBER	DESCRIPTION
1	1	-1	BAR ROUND 304 STAINLESS STEEL
2	1	-2	BAR ROUND 304 STAINLESS STEEL
3	A/R	-3	TUBING Ø.125x.015 WALL STAINLESS STEEL
4	1	-4	SHEET 304 .035 THK STAINLESS STEEL
5	4	-5	SHEET 304 .025 THK STAINLESS STEEL
6	2	-6	BAR ROUND Ø3/8" 304 STAINLESS STEEL
7	A/R	-7	TUBING, Ø.25" X .040 WALL, 304 S.S



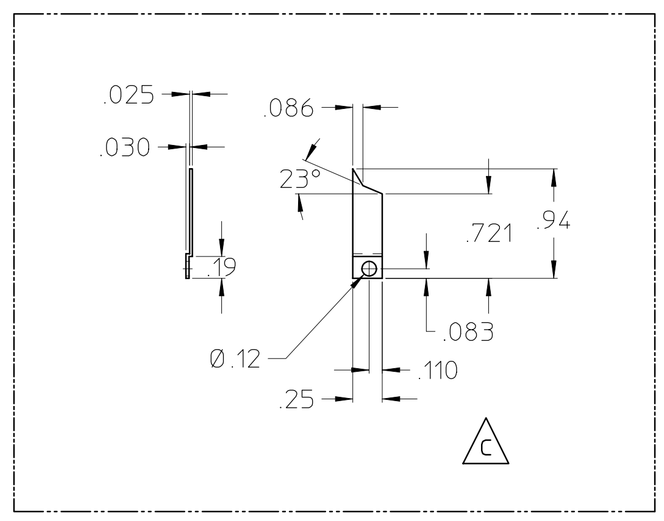
DETAIL A

SCALE 10:1

DIMENSIONS IN MILLIMETERS
TOLERANCE = [± 0.05mm]



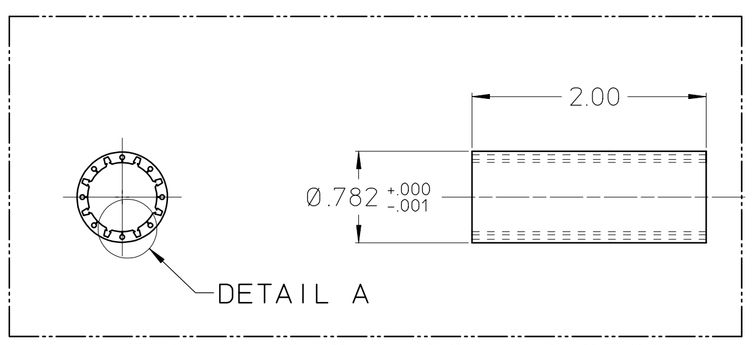
ITEM 4 - CESIUM COLLAR PLATE
SCALE: AS NOTED



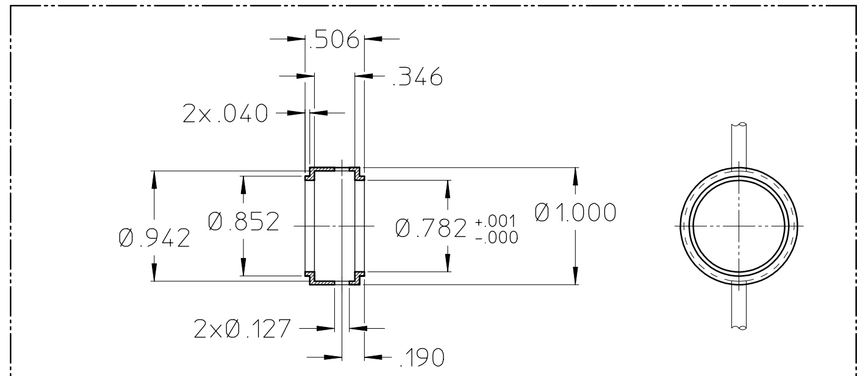
ITEM 5 - MOUNTING TAB
SCALE: FULL
2 REQD AS IS
2 REQD MIRROR IMAGE

ASSEMBLY WELDMENT

21C8434C



ITEM 1 - CESIUM COLLAR STOCK
SCALE: FULL



ALL DIMENSIONAL TOLERANCING TO BE ± .005 UNLESS OTHERWISE SPECIFIED

ITEM 2 - COOLING JACKET
SCALE: FULL

REV	DWG	CHK	ZONE	DATE	CHANGES
C	DWC		B5	10/14/01	MODIFIED MOUNTING TAB DIM
B	DWC			9/13/01	REVISED AND UPDATED
A	RLOW			05/23/00	REVISED AND UPDATED

UNLESS OTHERWISE SPECIFIED
TOLERANCES: X ± .1 FRAC. ± 1/64; XX ± .01 ANGLES ± 0.5°; XXX ± .003 FINISH 125

THREADS ARE CLASS 2.
CHAMFER ENDS OF ALL SCREW THREADS 30°.
CUT 1.5 PITCH THRD RELIEF WITH ROUND NOSE TOOL ON MACHINE CUT THREADS.
BREAK EDGES .016 MAX. ON MACHINED WORK
REMOVE BURRS WELD SPLATTER & LOOSE SCALE
REF: ASME Y14.5M & ANSI.B46.1.

SHOP ORDERS
ACCT. NO. | SERIAL NO.
DATE ISSD | DATE REQD. | NO. REQD.
DELIVER TO
SURFACE TREATMENT: DEGREASE/ELECTROPOLISH
IDENT. METH.: TAG
DWG. BY: s. mukherjee DATE: 01-11-99
CHK. BY: DAN CHENG DATE: XX-XX-99

LAWRENCE BERKELEY NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA-BERKELEY

SNS -FE ION SOURCE R&D
ION SOURCE DEVELOPMENT
CESIUM COLLAR

PATENT CLEAR	DWG. TYPE	SHOWN ON	SCALE	DO NOT SCALE PRINTS
	DETAIL		FULL	
MICROFILMED	DESIGN ACCT. NO. 8210-14	CATEGORY CODE	DWG. NO. 21C8434	SIZE C / REV.