



# TRACERLAB

A DIVISION OF LABORATORY FOR ELECTRONICS, INC.

1601 TRAPELO ROAD • WALTHAM 54, MASSACHUSETTS

December 30, 1963

TWINBROOK 4-6600

CABLE ADDRESS  
LFE

Mr. William O. Miller  
Isotopes Branch  
Division of Licensing and Regulation  
United States Atomic Energy Commission  
Washington 25, D. C.

Dear Mr. Miller:

Re: L&R:IB:WOM

This is in reference to your letter of December 23, 1963, regarding our previous submission of sketches of capsules CS-15 and CD-15. Please be advised that the notation "Company Confidential" appearing on the drawing SK-12 should have been removed from the copy forwarded to your office.

I trust that you will proceed with your evaluation and that we may hear from you again soon regarding this matter.

Yours very truly,

William Karp, Manager  
Sources Department

WK:p

9702240039 640113  
PDR RC \* PDR  
SSD



# OFFICIAL USE ONLY

## SEALED SOURCE

### MANUFACTURER:

Tracerlab

### DISTRIBUTOR:

Tracerlab

### USE:

Unspecified

### ISOTOPE:

Cobalt 60  
(up to 2 curies)

### SOURCE MODEL NO:

CD-15

### DESCRIPTION:

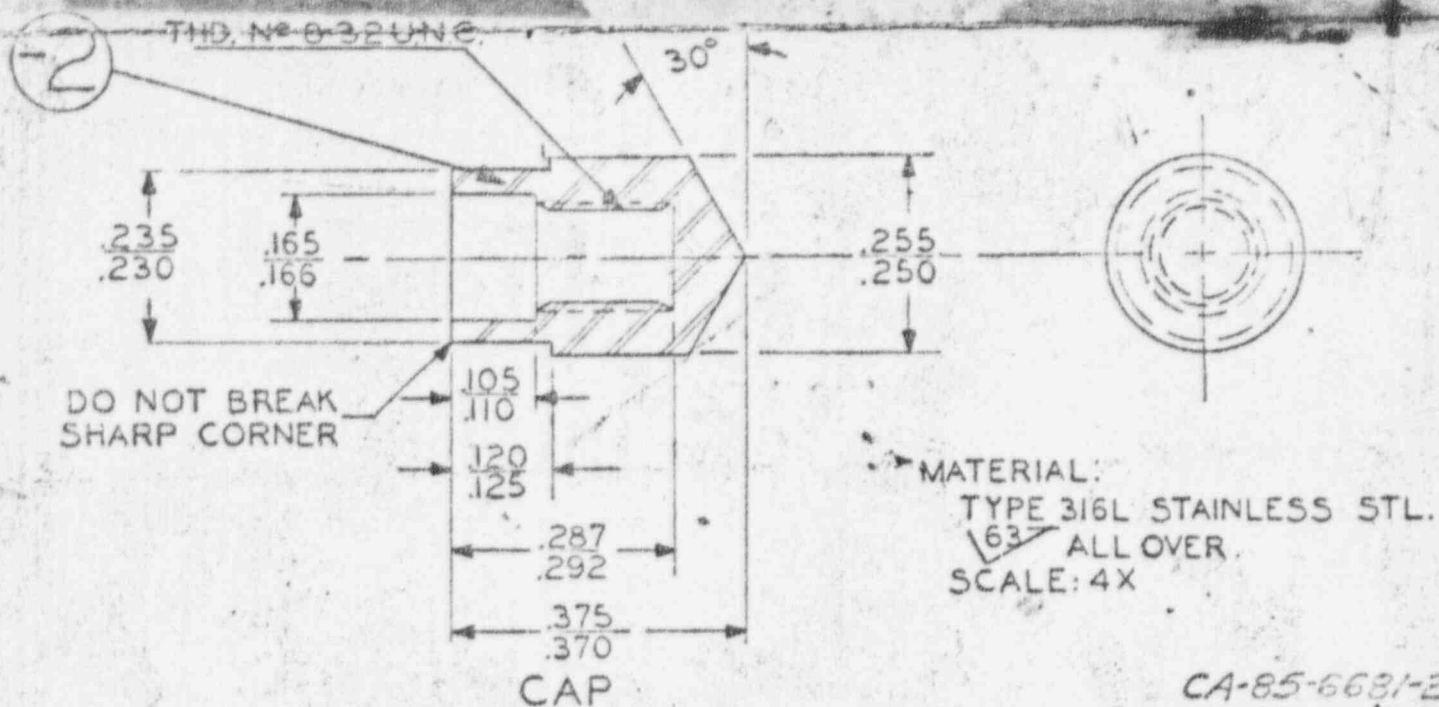
The source is a doubly encapsulated stainless steel capsule containing up to two curies of Cobalt 60 as solid metal. Both capsules are heliarc welded. Over-all dimensions of the capsule are 2.19 inches by 0.42 inches. The capsule is labelled with the following information: radiation symbol, Danger Radioactive Material, isotope, model number, serial number.

January 13, 1964

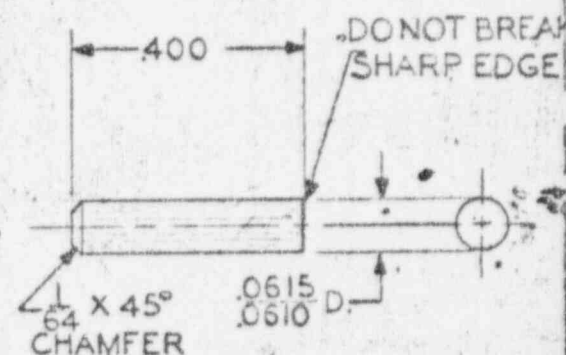
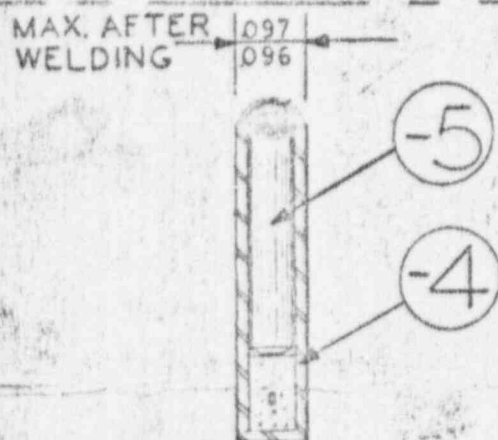
# OFFICIAL USE ONLY

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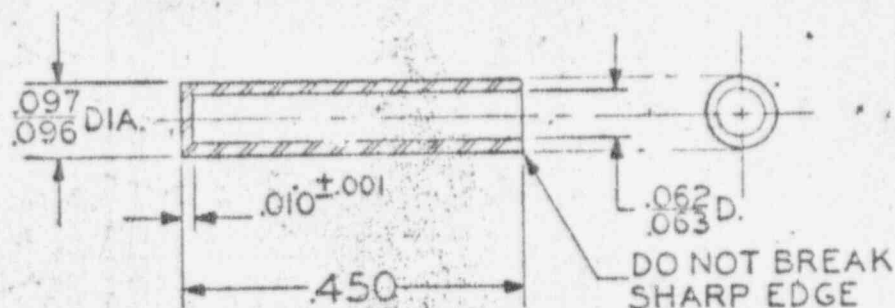


CA-85-6681-2



5 PLUG-CONTAINER CA-85-6681-5

MATERIAL:  
TYPE 316L STAINLESS  
✓ 63 ALL OVER & POLISH



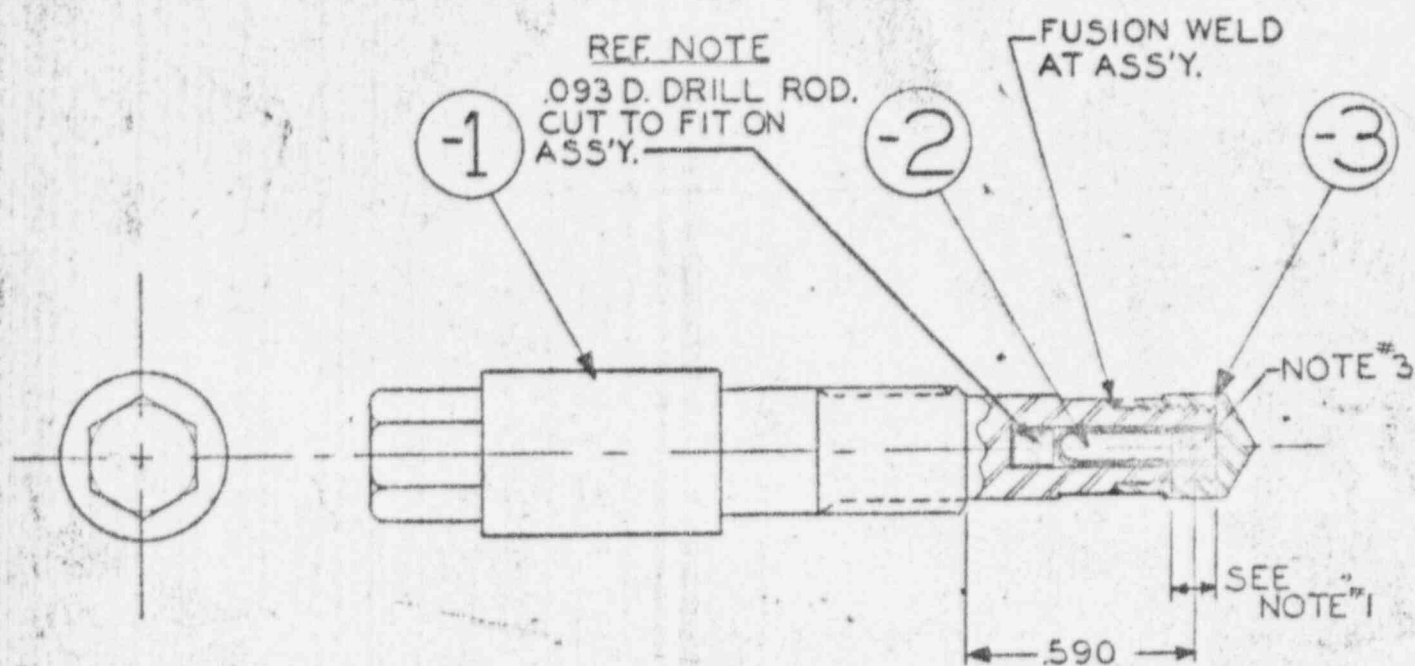
BODY-CONTAINER

CA-85-6681-4

SUPERSEDES A-85-6681  
OF 1-16-61

					NAME CA-85-6681 CO-60 SOURCE ASSY
REV.	FROM	BY	CHK.	DATE	
	D WISI DESIGN	Ref's	gmm	7/25/63	





NOTES:

1.a. PROCESSOR TO LOAD ACTIVITY TO MAINTAIN DISTANCE FROM CENTER OF ACTIVITY TO OPEN END EQUAL TO  $\frac{.585}{.595}$ .

1b. ACTIVE MATERIAL .044 DIA. X 1/8" LONG. IF MATERIAL IS NOT 1/8" LONG, RETAIN CENTER OF SOURCE TO OPEN END SPACING OF  $\frac{.585}{.595}$ .

2. SPECIFIC ACTIVITY OF  $\text{Co}^{60}$  IN SLUG MUST BE CONSTANT TO WITHIN 5% FOR ROTATION OF SOURCE ABOUT LONGITUDINAL AXIS.

3a. FILL ANY GAPS WITH COMPRESSIBLE SUBSTANCE TO PREVENT LONGITUDINAL MOVEMENT OF SOURCE.

SCALE: 2X

ASSEMBLY

~~Confidential~~  
 removed see ltr 12-30-63  
 from William Karp

PRINT ISSUED  
 AUG 7 1963

REF.	A	59537		1	ENGRAVING STANDARD - LANE-WELLS CO.
(THE NECESSARY SUPPLEMENTARY DRAWING ABOVE SHOULD BE ORDERED SEPARATELY)					
-3	A	85-6681-3	ASS'Y.	1	CONTAINER ASSEMBLY
-2	A	85-6681-2		1	CAP
-1	A	85-6681-1		1	CAPSULE
ITEM	DWG. SIZE	PART No.	TYPE PART	REQ'D.	NAME OR DESCRIPTION

UNLESS OTHERWISE SPECIFIED  
 ±.005  
 ±.01 ANGLES ± 1/4 DEG  
 ±.05 FINISHES T-5 AA MAY

# PARTS LIST

DO NOT SCALE PRINTS—REMOVE  
 BURRS—TOLERANCES UNLESS  
 OTHERWISE SPECIFIED.

DEC. ±.005 ANG. ± 1/2°

SCALE NOTED

HEAT TREAT

MATERIAL NOTED

CO-60 SOURCE ASS'Y

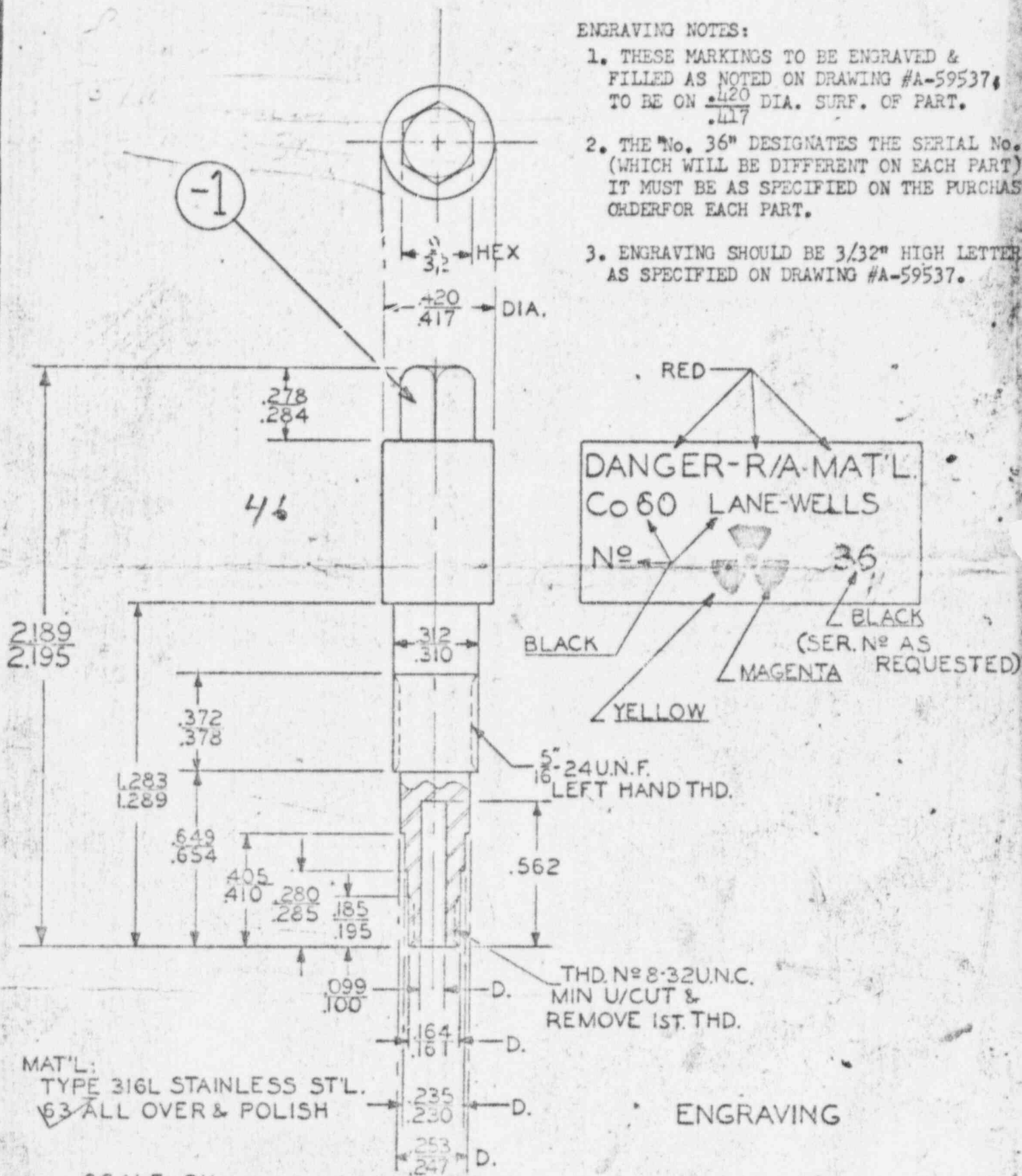
CD-15

TRACER lab  
 2419 South Blvd  
 Houston 61, TEXAS

USED ON SERIES 500	DATE 7-25-63
	BY DEKE
	CHK. <i>WLC</i>
FILE	ENGR <i>WLC</i>
	APR. <i>WLC</i>
CA-85-6681	

# ENGRAVING NOTES:

1. THESE MARKINGS TO BE ENGRAVED & FILLED AS NOTED ON DRAWING #A-59537, TO BE ON  $\frac{.420}{.417}$  DIA. SURF. OF PART.
2. THE "No. 36" DESIGNATES THE SERIAL No. (WHICH WILL BE DIFFERENT ON EACH PART). IT MUST BE AS SPECIFIED ON THE PURCHASE ORDER FOR EACH PART.
3. ENGRAVING SHOULD BE  $\frac{3}{32}$ " HIGH LETTERS AS SPECIFIED ON DRAWING #A-59537.



CAPSULE

CA-65-6681-