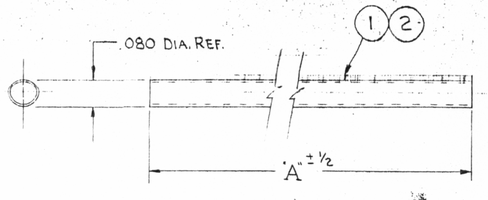
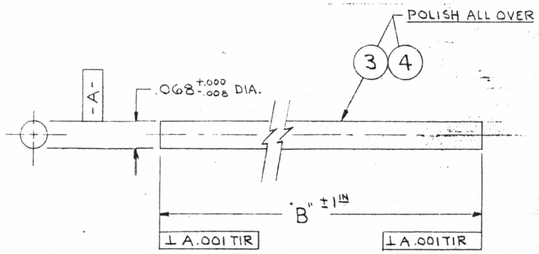
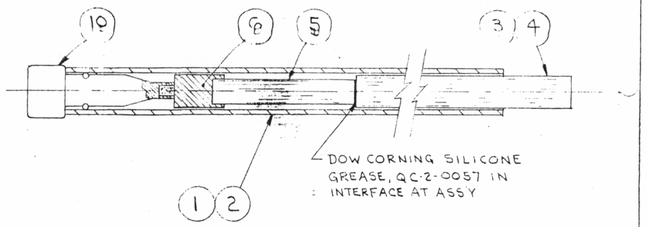


IT	DIM. "A"		
1	59		
2	12		

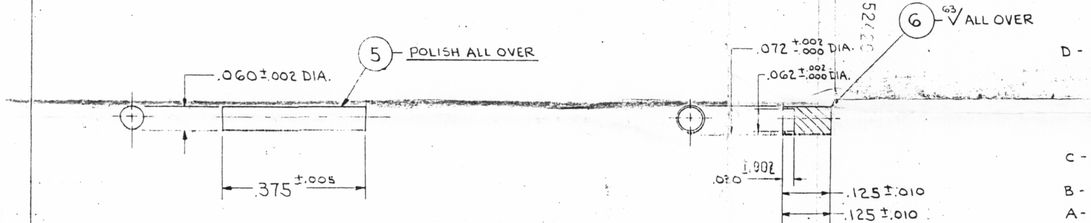


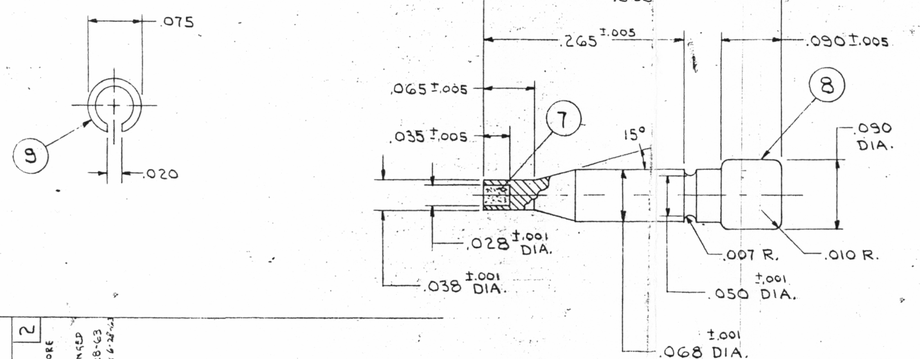
IT	DIM. "B"		
3	59		
4	12		



GROUP 1 LONG PROBE

GROUP 2 SHORT PROBE





GROUP-3

D - STRONTIUM 90 WILL BE INCORPORATED INTO 3 M BRAND RADIATING MICROSPHERES. MICROSPHERES WILL BE NICKEL PLATED AND DEPOSITED IN THE MACHINED RECESS IN IT 8. THE MICROSPHERES WILL THEN BE ATTACHED TO THE AL HOLDER BY ELECTRODEPOSITED NICKEL. AN ALTERNATE METHOD IS BY ATTACHMENT WITH SAUEREISEN CEMENT. A LOADING TO BE 2-5 MC OF SR.90. SOURCE WILL WIPE TEST <0.005 μC OF REMOVABLE ACTIVITY. B.O. FR MINN. MINING & MFG. ST PAUL MINN.

C - CESIUM IODINE THALLIUM ACTIVATED. B.8 FR. HARSHAW CHEM. CO. CLEVELAND OHIO OR EQUAL.

B - B.O. FROM BAUSCH & LOMB. ROCHESTER N.Y. OR EQUAL.

A - B.O. FROM JUDSON SMITH, BOYERTOWN, PENNA. OR EQUAL.

SYM.	ITEM	NOMENCLATURE OR DESCRIPTION	MATERIAL	REMARKS	GR. SYM	1	2	3	UNIT WT.
D	10	SOURCE HOLDER GR.3 THIS DWG				1	1		
	9	LOCK RING FR. .010 DIA. PIANO WIRE	STEEL			-		1	
	8	SOURCE HOLDER	ALUMINUM					1	
D	7	SOURCE	SEE NOTE D					1	
	6	SHIELD 1/2 OF 1/8 DIA. ROD	HALF HARD BRASS			1	1		
C	5	SCINTILLATOR	SEE NOTE C			1	1		
B	4	GLASS LIGHT PIPE (REFRACTIVE INDEX 1.63)	GLASS			-	1		
B	3	GLASS LIGHT PIPE (REFRACTIVE INDEX 1.63)	GLASS			1			
A	2	TUBE FR. 13" OF .080 +.004 -.000 O.D. X .004 WALL	ALUMINUM TUBE				1		
A	1	TUBE FR. 60" OF .080 +.004 -.000 O.D. X .004 WALL	ALUMINUM TUBE			1	-		

LIST OF MATERIALS — SUB. # 2

IT	CHANGE	1	2
1	IT'S 8, 9, & 10 ADDED		
2	IT. 4 WAS C BORE BOTH ENDS		
	NOTE D CHANGED W. ELZER 6-28-63 J.S. Hopkins 6-28-63		

GEOMETRIC SYMBOLS (WHERE USED, ARE IN ACCORDANCE WITH MIL-STD-8.)
STRAIGHTNESS FLATNESS; ANGULARITY; PERPENDICULARITY; PARALLELISM; CONCENTRICITY; TRUE POSITION; ROUNDNESS; SYMMETRY; (MMC) MAXIMUM MAT'L CONDITION; (RFS) REGARDLESS OF FEATURE SIZE

TOLERANCE & MACHINING NOTES (UNLESS OTHERWISE INDICATED ON FACE OF DWG.)
ALL UNTOLERANCED DIMENSIONS ± .015
ANGULAR MACHINED SURFACES ± 1/2°
CHAMFERS & WELD PREPARATIONS ± 2°
SHARP EDGES TO BE REMOVED 1/64 TO 1/32 RADIUS OR CHAMFER
MAX. MACHINED SURFACE ROUGHNESS 63 RMS
UNSPECIFIED GEOMETRIC TOLERANCES TO FALL WITHIN LIMITS OF SIZE DIMENSION TOLERANCE.
THREADS UNIFIED 2A-2B N.C. 1ST THREAD OF EXT. THREADS TO BE CHAMFERED 30° 1ST THREAD OF TAPPED HOLES TO BE CSK. (120°) TO MAJOR DIA.
SYM. ▲ DENOTES BASIC DIMENSION (ACTUAL TRUE LOCATION)

DRAWN W. ELZER 4/4/63 — APP. J.S. HOPKINS 9/7/63 — CHKD. — APP. — APP. — WT. ACT. — WT. CALC.

Ⓦ WESTINGHOUSE ELECTRIC CORPORATION
Astrofuel Facility
CHESWICK, PA

TITLE BETA BACK SCATTER GAGE PROBE

CODE IDENT. NO.

SCALE NTS

ED-SK-307980-C

D-1