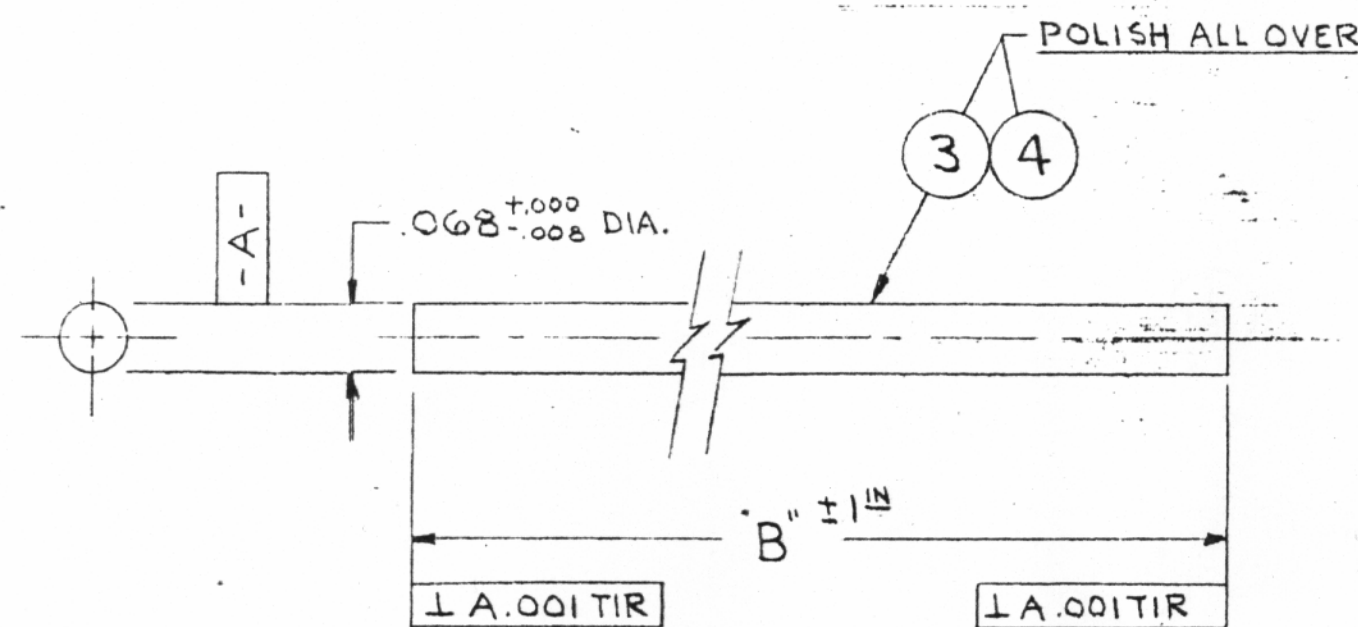
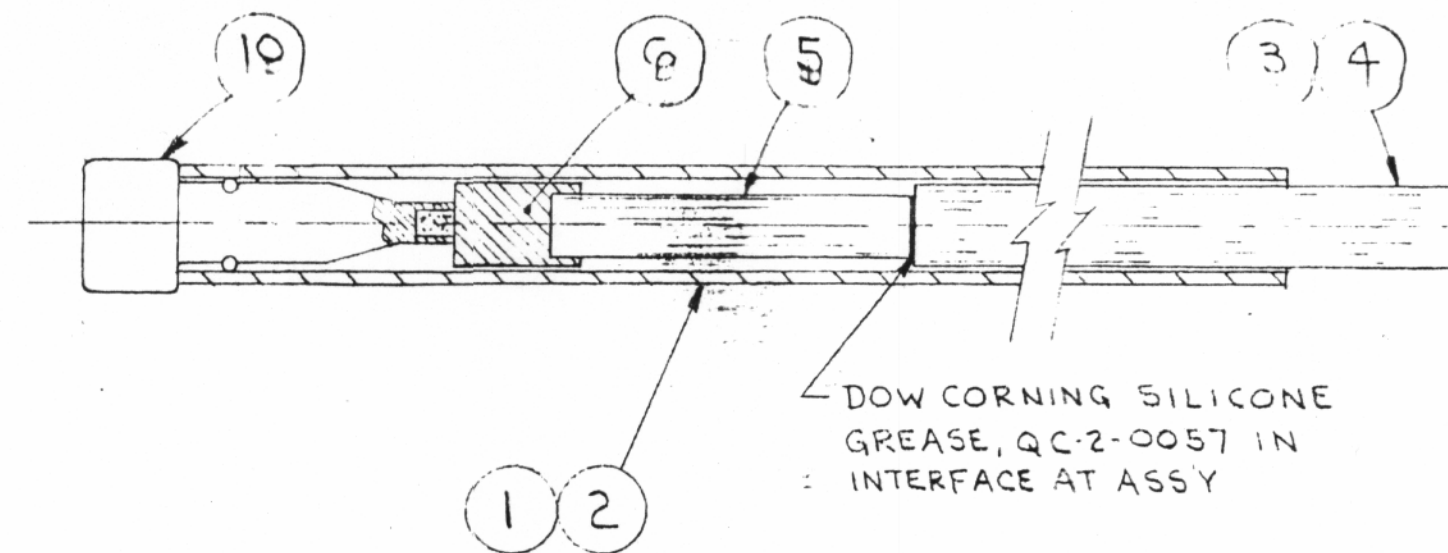


IT	DIM. A"
1	59
2	12

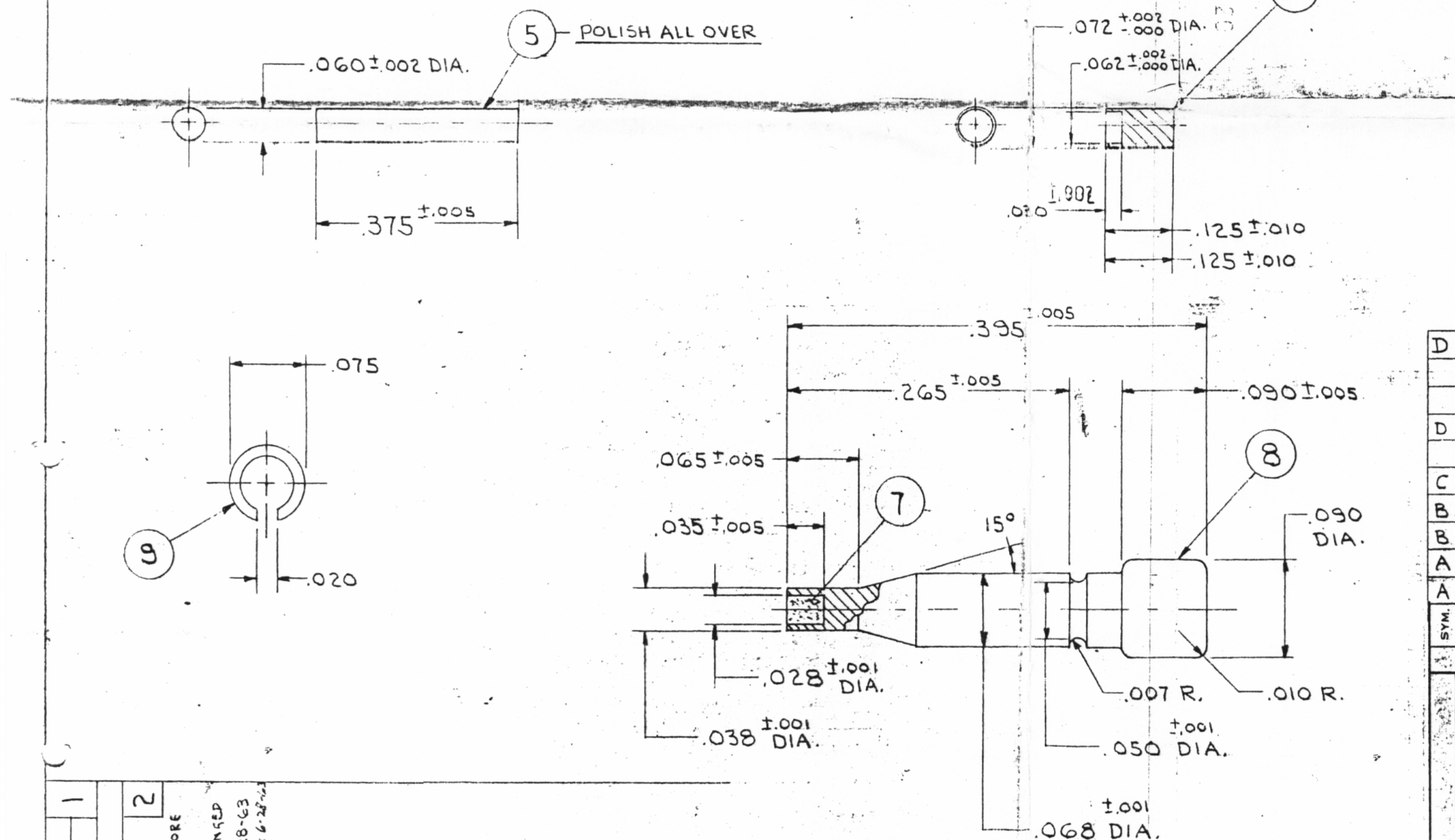


IT	DIM. B"
3	59
4	12



GROUP 1 LONG PROBE

GROUP 2 SHORT PROBE



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 SAUERISEN CEMENT. A LOADING TO BE 2-5 MC OF SR.90. SOURCE WILL WIPE TEST <0.005 MC OF REMOVABLE ACTIVITY.
B.O. FR MINN. MINING & MFG. ST PAUL MINN.
C - CESIUM IODINE THALLIUM ACTIVATED.
B.O. 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.	1	2	3	UNIT
D	10	SOURCE HOLDER GR.3 THIS DWG							
	9	LOCK RING FR. .010 DIA. PIANOWIRE	STEEL						
	8	SOURCE HOLDER	ALUMINUM						
D	7	SOURCE	SEE NOTED						
	6	SHIELD 1/2 OF 1/8 DIA. ROD	HALF HARD BRASS						
C	5	SCINTILLATOR	SEE NOTE C						
B	4	GLASS LIGHT PIPE (REFRACTIVE INDEX 1.63)	GLASS						
B	3	GLASS LIGHT PIPE (REFRACTIVE INDEX 1.63)	GLASS						
A	2	TUBE FR. 13" OF .080 ± .004 O.D. X .004 WALL	ALUMINUM TUBE						
A	1	TUBE FR. 60" OF .080 ± .004 O.D. X .004 WALL	ALUMINUM TUBE						

LIST OF MATERIALS				SUB. # 2			
GEOMETRIC SYMBOLS (WHERE USED, ARE IN ACCORDANCE WITH MIL-STD-113)				WESTINGHOUSE ELECTRIC CORPORATION			
TOLERANCE & MACHINING NOTES (UNLESS OTHERWISE INDICATED ON FACE OF DWG.)				Astrofuel Facility			
ALL UNTOLERANCED DIMENSIONS - ± .015				CHESWICK, PA			
ANGULARITY: SHARP EDGES TO BE REMOVED - 1/64 TO 1/32 RADIUS OR CHAMFER				TITLE BETA BACK SCATTER			
PERPENDICULARITY: MAX. MACHINED SURFACE ROUGHNESS - 63 RMS (✓)				GAGE PROBE			
PARALLELISM: UNSPECIFIED GEOMETRIC TOLERANCES TO FALL WITHIN LIMITS OF 'SIZE' DIMENSION TOLERANCE.				CODE IDENT. NO.			
CONCENTRICITY: THREADS - UNIFIED 2A-2B N.C. - 11° THREAD OF EXT. THREADS TO BE CHAMFERED 30° - 11° THREAD OF TAPPED HOLES TO BE C.S.K. (110°) TO MAJOR DIA.				SCALE			
TRUE POSITION: SYM. Δ DENOTES BASIC DIMENSION (ACTUAL TRUE LOCATION)				NTS			
SYMMETRY: DRAWN W. ELZER 4/4/63 APP. J.S. HOPKINS 7/7/63				ED-SK-307980-C			
(MNC) MAXIMUM MAT'L. CONDITION				WT. ACT.			
(RFS) REGARDLESS OF FEATURE SIZE				WT. CALC.			

IT	CHANGE
1	ITS B-96 10
2	IT G WAS C BORE
	BOTH ENDS
	NOTE D CHANGED
	WELZER 6-28-63
	J.S. HOPKINS 7/7/63

GROUP-3