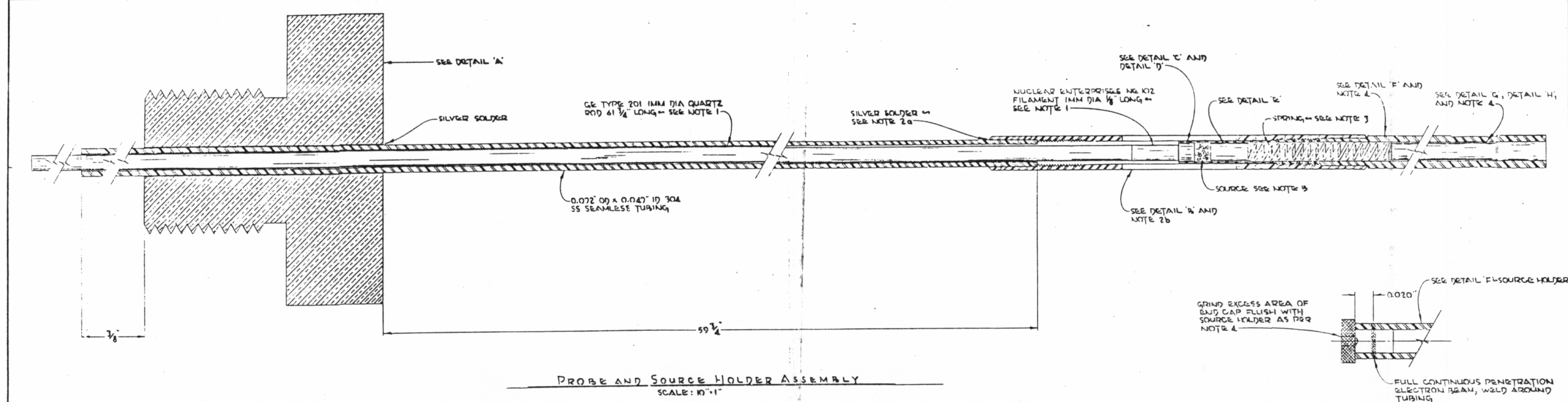
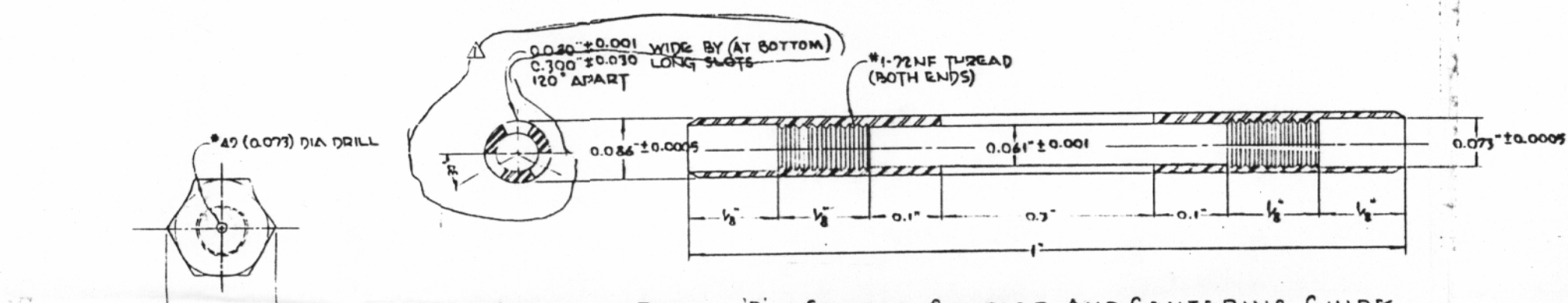


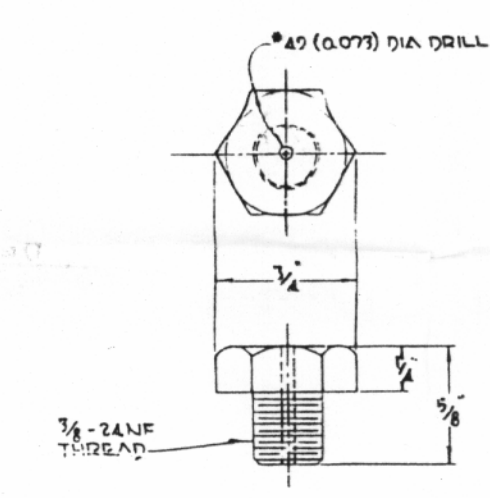
REV.	BY	DATE	DESCRIPTION
1	Y		
DWG NO	ITEM	QTY	MATERIAL
			FINAL ASBY
			DESCRIPTION



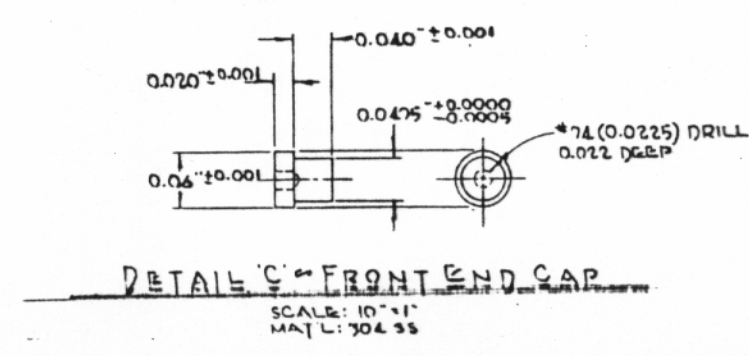
PROBE AND SOURCE HOLDER ASSEMBLY
SCALE: 10"-1"



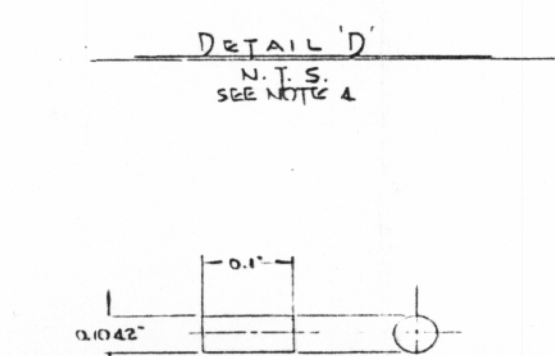
DETAIL B - SOURCE COUPLER AND CENTERING GUIDE
SCALE: 10"-1"
MATERIAL: 304 SS TUBING
SEE NOTE 2a AND 2b



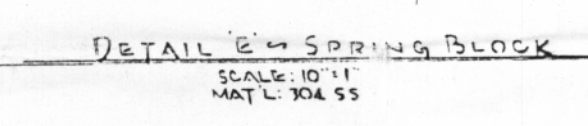
DETAIL A
SCALE: 2"-1"
MATERIAL: BRASS



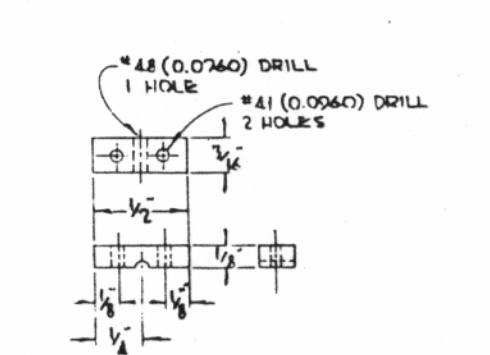
DETAIL C - FRONT END CAP
SCALE: 10"-1"
MATERIAL: 304 SS



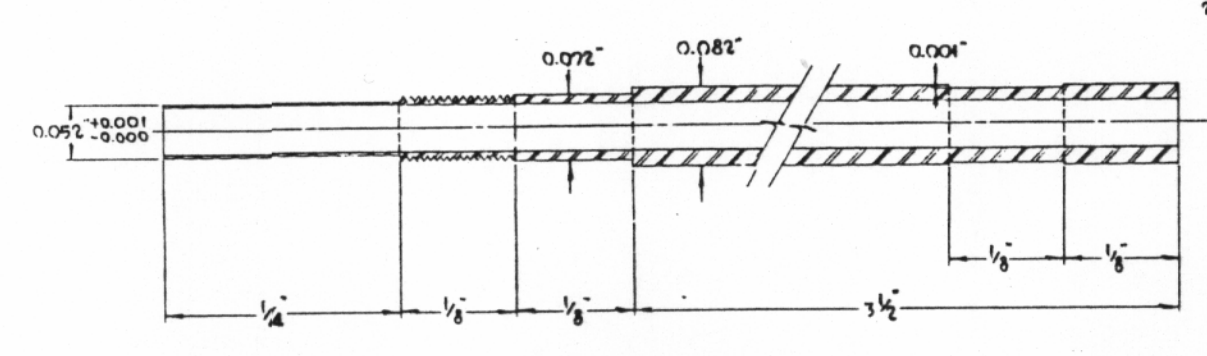
DETAIL D
N.T.S.
SEE NOTE 4



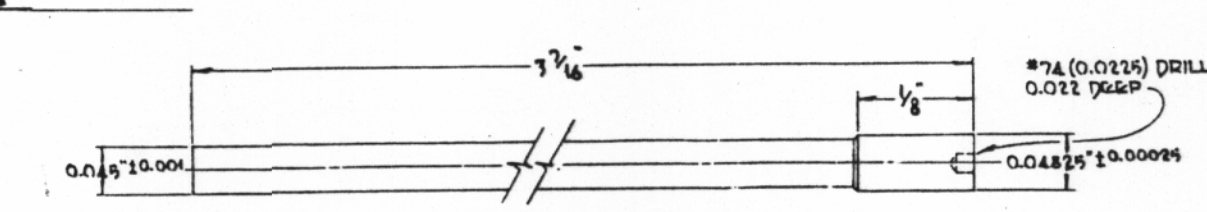
DETAIL E - SPRING BLOCK
SCALE: 10"-1"
MATERIAL: 304 SS



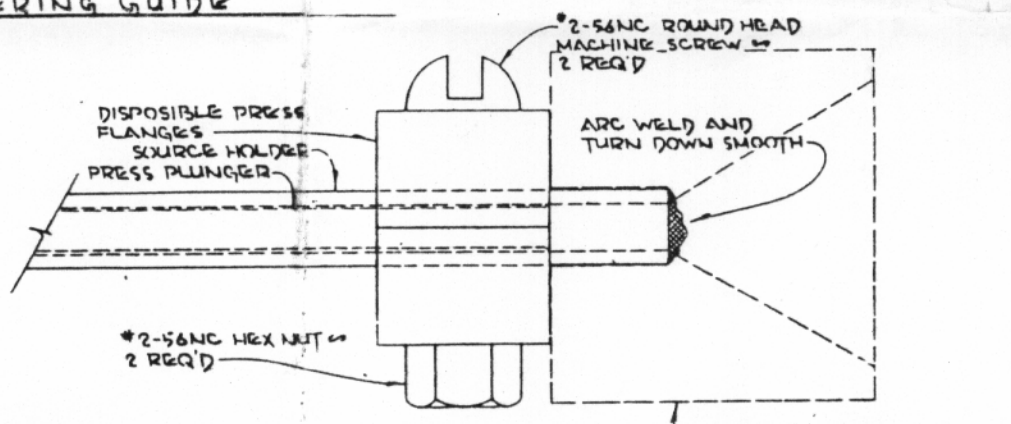
DETAIL I - DISPOSABLE PRESS
FLANGE
SCALE: 2"-1"
MATERIAL: BRASS 2 REQD



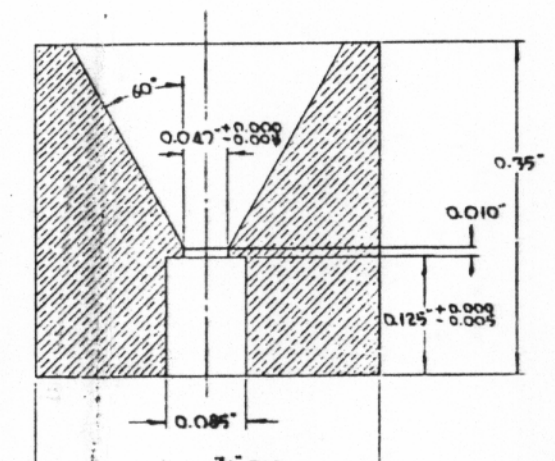
DETAIL F - SOURCE HOLDER
SCALE: 10"-1"
MATERIAL: 304 SS TUBING



DETAIL G - PRESS PLUNGER
SCALE: 10"-1"
MATERIAL: 304 SS



DETAIL H
N.T.S.
SEE NOTE 4



DETAIL J - SOURCE LOADING FUNNEL
SCALE: 10"-1"
MATERIAL: BRASS

NOTES

1. a) Both ends of the Quartz Rod are to have a No. 4 Finish.
b) Quartz Rod and Filament are covered with a rolled tube with two layers of 0.001\"/>
- 2. a) Use a No. 1-7087 brass screw to determine the best thread fit on the coupler. Silver solder deposit end to the 304 SS tubing as shown in assembly drawing.
b) The Filament and Source must be as near the center of the slots in the coupler as possible.
- 3. The Spring is 0.020\"/>
- 4. a) Insert Press End Cap (Detail C) into Source Holder Outside Tube (Detail F). Weld End Cap into place as shown by Detail D by full continuous penetration electron beam, weld around the tubing.
b) Leak check. Dry out Source Holder after weld, for less than 5 x 10⁻⁶ cc atmosphere before leak test.
c) Dry out closed source (Detail D) after leak test and recheck for leaks. Do not use if measurable leaks above 5 x 10⁻⁶ cc atmosphere are detected.
- 5. a) After the plunger is pressed into place, are weld the plunger and holder as shown in Detail H and then seal smooth. The whole Source Holder Assembly may now be screwed into the Facility.
b) Source Characterization:
i) At 200°C, 2000 Rps at 100°C, screened 100 mesh, output after encapsulation equivalent to 5 x 10⁻⁶ cc atmosphere before use in the chamber (instrument to make the measurement). Apply electric shield with 100 mesh.

REFERENCE DRAWINGS

As per TELEPHONE INSTRUCTIONS FROM UCC 10/12/66				B-I-26708 DRAWING LIST			
REV.	BY	DATE	DESCRIPTION	REV.	BY	DATE	DESCRIPTION
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3	Y			3	Y		
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100	Y			100	Y		

Y-12 PLANT OAK RIDGE, TENN.	ETA-26708	SCALE AS NOTED	REV. 1	REV. 2	REV. 3	REV. 4	REV. 5	REV. 6	REV. 7	REV. 8	REV. 9	REV. 10	REV. 11	REV. 12	REV. 13	REV. 14	REV. 15	REV. 16	REV. 17	REV. 18	REV. 19	REV. 20	REV. 21	REV. 22	REV. 23	REV. 24	REV. 25	REV. 26	REV. 27	REV. 28	REV. 29	REV. 30	REV. 31	REV. 32	REV. 33	REV. 34	REV. 35	REV. 36	REV. 37	REV. 38	REV. 39	REV. 40	REV. 41	REV. 42	REV. 43	REV. 44	REV. 45	REV. 46	REV. 47	REV. 48	REV. 49	REV. 50	REV. 51	REV. 52	REV. 53	REV. 54	REV. 55	REV. 56	REV. 57	REV. 58	REV. 59	REV. 60	REV. 61	REV. 62	REV. 63	REV. 64	REV. 65	REV. 66	REV. 67	REV. 68	REV. 69	REV. 70	REV. 71	REV. 72	REV. 73	REV. 74	REV. 75	REV. 76	REV. 77	REV. 78	REV. 79	REV. 80	REV. 81	REV. 82	REV. 83	REV. 84	REV. 85	REV. 86	REV. 87	REV. 88	REV. 89	REV. 90	REV. 91	REV. 92	REV. 93	REV. 94	REV. 95	REV. 96	REV. 97	REV. 98	REV. 99	REV. 100
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