



U.S. Department
of Transportation

**Research and
Special Programs
Administration**

**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0514/S, REVISION 0**

400 Seventh Street, S.W.
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive materials.

1. Source Identification - AN-HP
2. Source Description - The MP35N outer encapsulation is 15.9mm (0.625in) OD by 122.8mm (4.835in) long. The 17-4 (H-1050) stainless steel inner capsule is 12.7mm (0.500in) OD by 104mm (4.25in) long. The wall thickness for the outer capsule is 1.6mm (0.064in) and the inner is 1.14mm (0.045in). Both capsules are sealed by heliarc welds. Gammatron drawing A-2080 is attached. Model and serial numbers, activity and other information are engraved on the outer capsule.
3. Radioactive Contents - Not more than .44 TBq (12Ci) of Americium-241 in the form of an oxide mixed with Beryllium metal powder for producing neutrons.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 209 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires December 31, 2001.

1 "Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990" , published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

2 Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

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This certificate is issued in accordance with paragraph 703 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated March 1, 1996, December 3, 1996 and December 12, 1996 submitted by Gammatron, Inc., Houston, TX, and in consideration of other information on file in this Office.

Certified by:

Alan I. Roberts

Alan I. Roberts

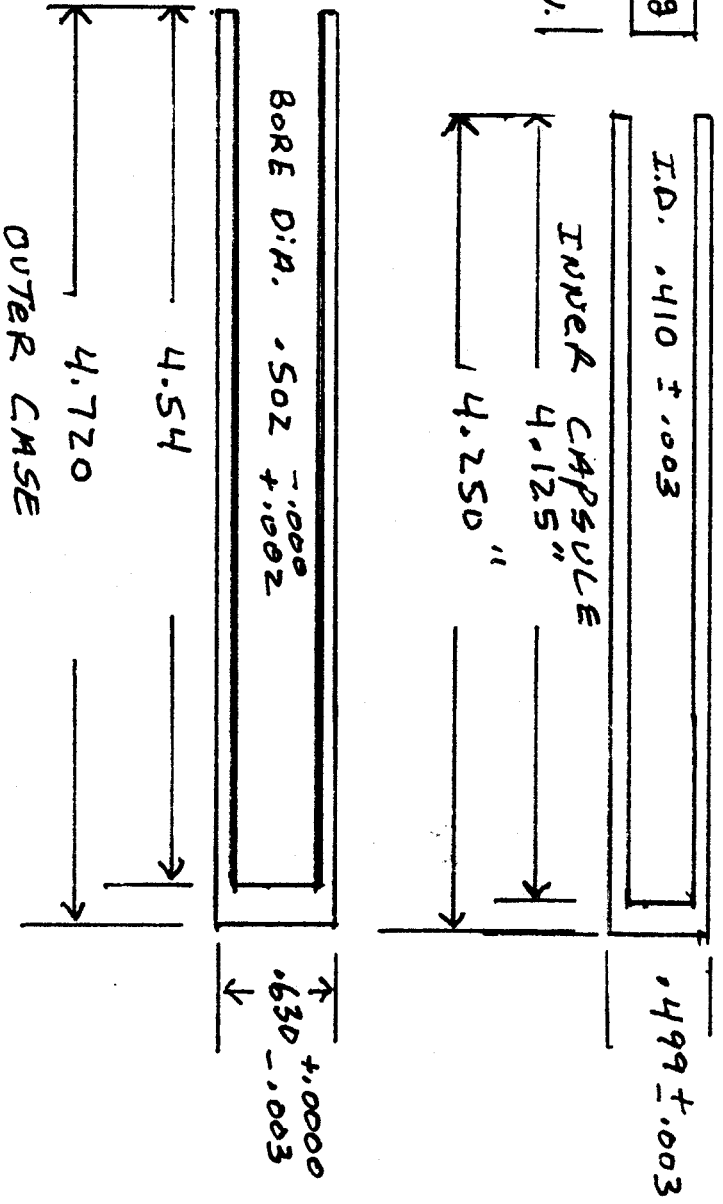
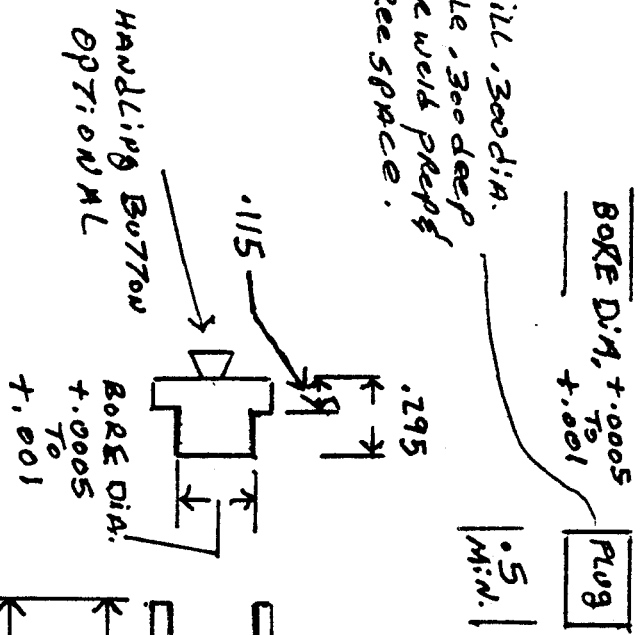
Associate Administrator for Hazardous Materials Safety

DEC 26 1996

(DATE)

Revision 0 - First issue

Drill .300 dia.
hole .300 deep
for weld prep
Free space.



USE SPECIFICATION SHEET SS-2080 AND
SCHLUMBERGER "ENGINEERING SPECIFICATION
SUPERALLOY MP35N ROUND BAR" WITH THIS
DRAWING.

GAMMATRON

SCALE: None	APPROVED BY	DRAWN BY
DATE: 11/1/95	DCS	DCS
FN-HP		MATL MP35N
		INNER CAPSULE 17-4 H1050

.625 DIA. X 4.835 LONG

DRAWING NUMBER
R-2080