

IAEA CERTIFICATE OF COMPETENT AUTHORITY SPECIAL FORM RADIOACTIVE MATERIALS CERTIFICATE USA/0363/S-96, REVISION 8

East Building, PHH-23 1200 New Jersey Avenue Southeast TTY Washington, D.C. 20590

This certifies that the sources described have 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 material.

- 1. <u>Source Identification</u> QSA Global, Inc. Model Nos. X38/1, X38/3, and X38/4.
- 2. Source Description Cylindrical double encapsulations constructed of Type 316L stainless steel and tungsten inert gas or laser seal welded. Approximate outer diameters are 12.8 mm (0.5 in.) for the Models X38/1 and X38/3; and 12.9 mm (0.5 in.) for the Model X38/4. All Models are approximately 19.3 mm (0.76 in.) in length. Minimum wall thickness of the outer capsule for all Models is 0.6 mm (0.024 in.). Construction shall be in accordance with attached AEA Technology Drawing Nos. RBA61765, Rev. A (Model X38/1); RBA61769, Rev. A (Model X38/3); or RBA61759, Rev. A (Model X38/4).
- 3. Radioactive Contents No more than either 95 GBq (2.6 Ci) of Cesium-137 or 12 TBq (324 Ci) of Cobalt-60 for the Model X38/1. No more than 37 GBq (1.0 Ci) of Cesium-137 for the Model X38/3. No more than 426 GBq (11.5 Ci) of Cesium-137 for the Model X38/4. The Cs-137 is in the form of a ceramic bead or pellet. The Co-60 is in the form of a metal.
- 4. Quality Assurance Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
- 5. Expiration Date This certificate expires on March 31, 2022.

¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," 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 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the March 24, 2017 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

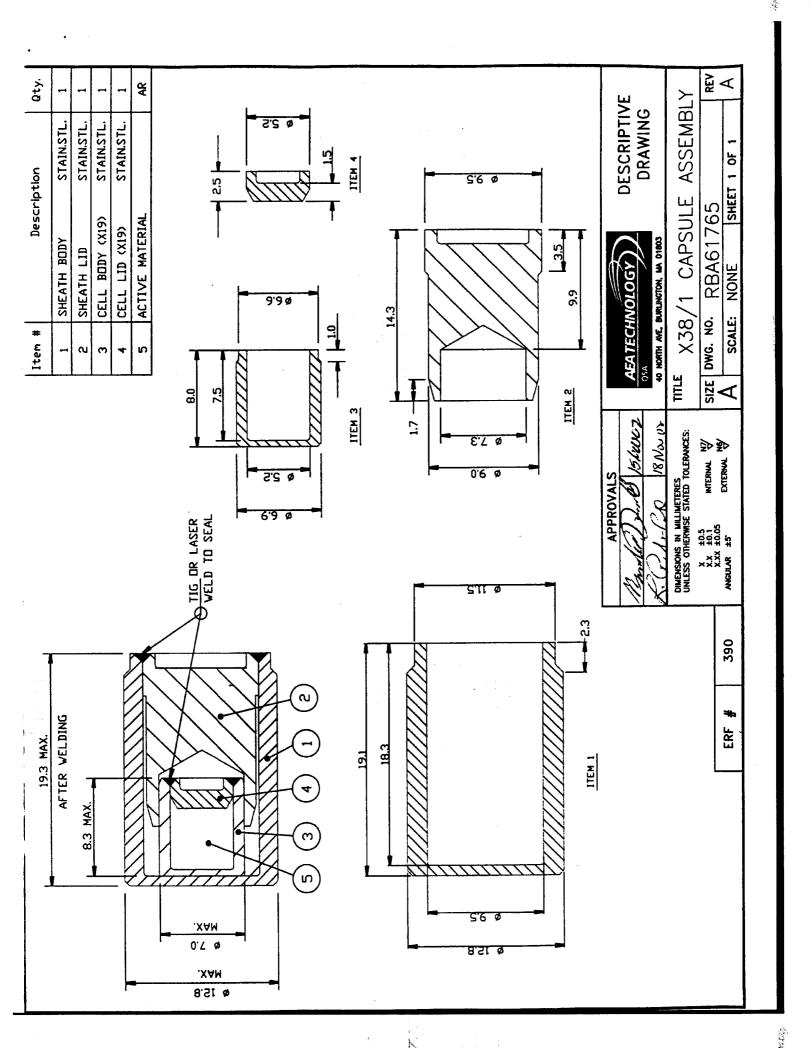
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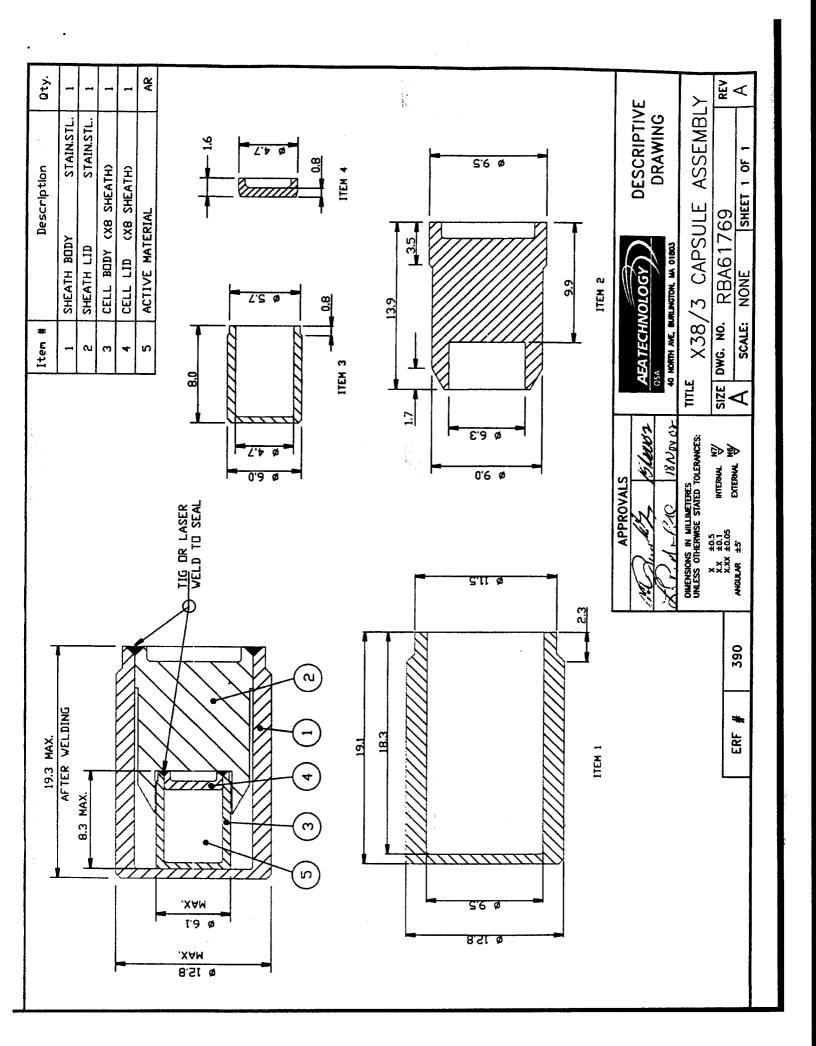
William Schoonover Apr 06 2017

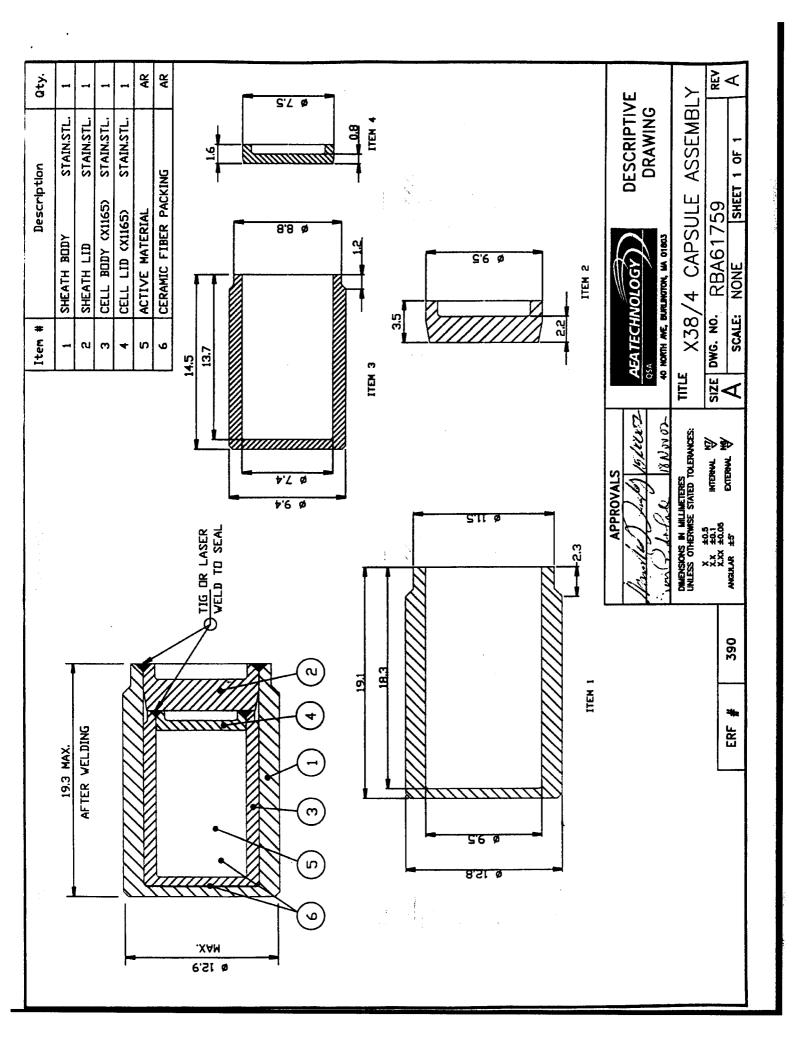
(DATE)

Acting Associate Administrator for Hazardous Materials Safety

Revision 8 - Issued to extend the expiration date.









U.S. Department of Transportation

East Building, PHH-23 1200 New Jersey Avenue SE Washington, D.C. 20590

Pipeline and Hazardous Materials Safety Administration

CERTIFICATE NUMBER: USA/0363/S-96, Revision 8

ORIGINAL REGISTRANT(S):

Ms. Lori Podolak Manager, Regulatory Affairs/Quality Assurance QSA Global, Inc. 40 North Avenue Burlington, MA 01803

Mr. Michael Fuller Regulatory Compliance Associate QSA Global, Inc. 40 North Avenue Burlington, MA 01803