



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS

CERTIFICATE USA/0363/S, REVISION 10

East Building, PHH-23
1200 New Jersey Ave, SE
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. Source Identification - 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. B (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 440 GBq (12 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.

¹ "Regulations for the Safe Transport of Radioactive Material, 2018 Edition, No. SSR-6 (Rev. 1)" 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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4. Management System Activities - Records of Management System activities required by Paragraph 306 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 requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on September 30, 2030. Previous editions which have not reached their expiration date may continue to be used.

This certificate is issued in accordance with paragraph(s) 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the August 27, 2025 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:



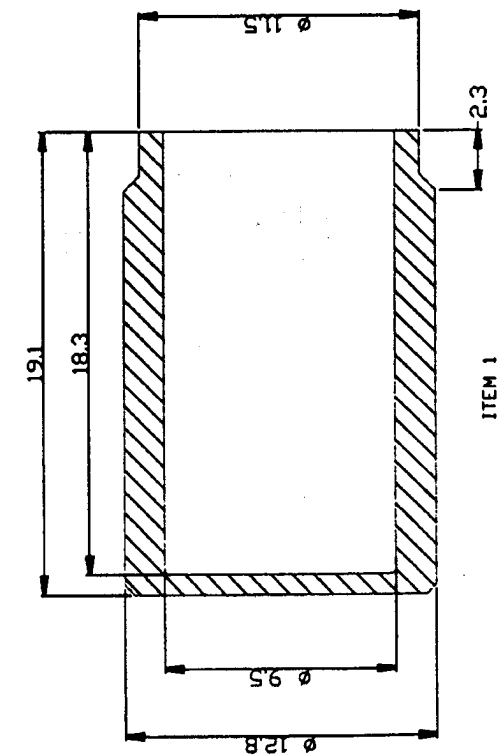
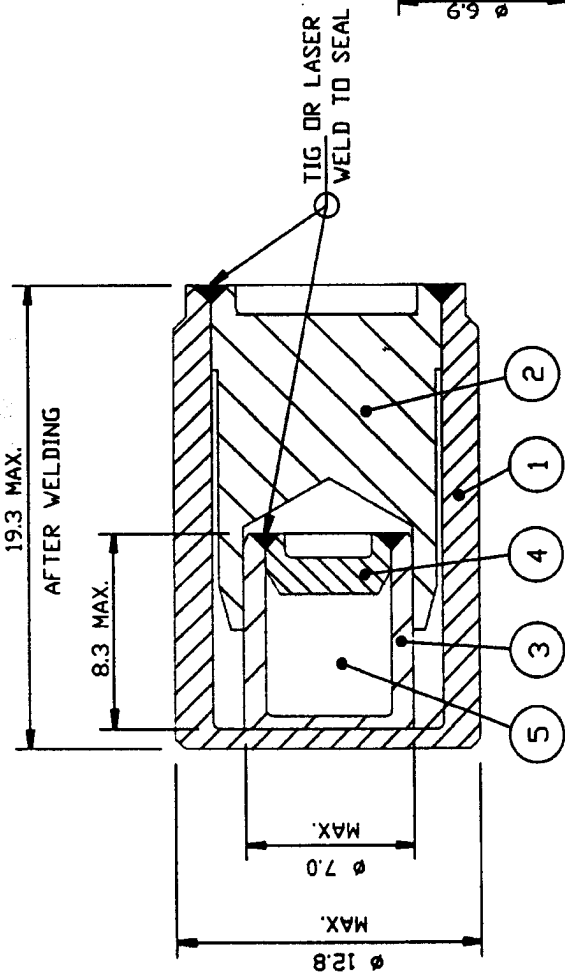
William Quade
Acting Associate Administrator for
Hazardous Materials Safety

September 23,
2025

(DATE)

Revision 10 - Issued to endorse to 2018 edition of the IAEA Regulations for the Safe Transport of Radioactive Material, SSR-6 (Rev. 1) and to extend the expiration date.

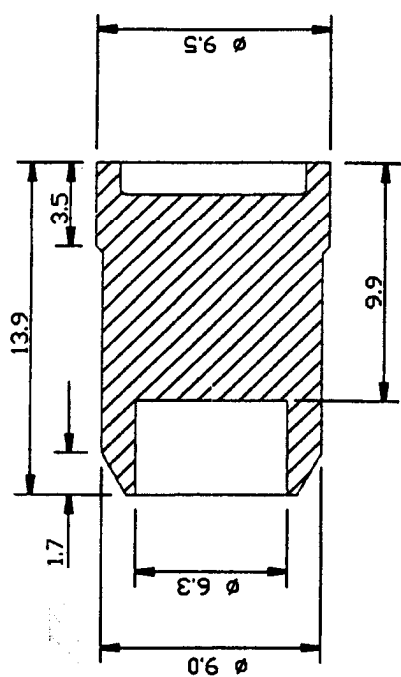
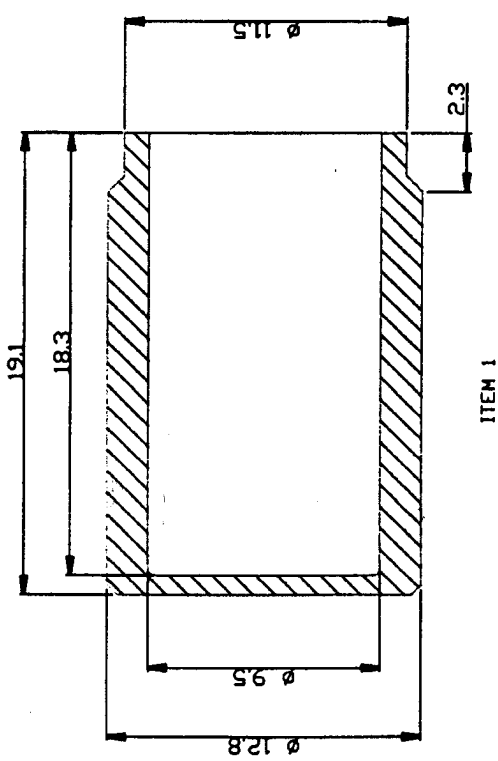
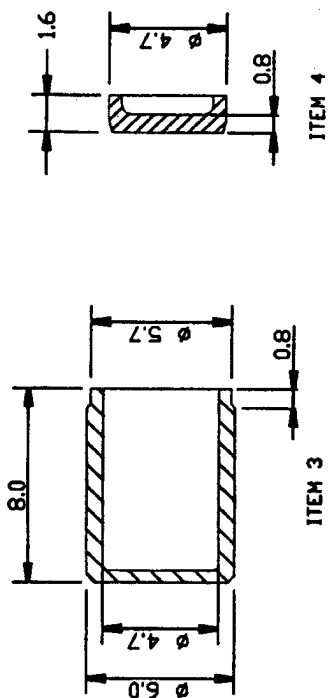
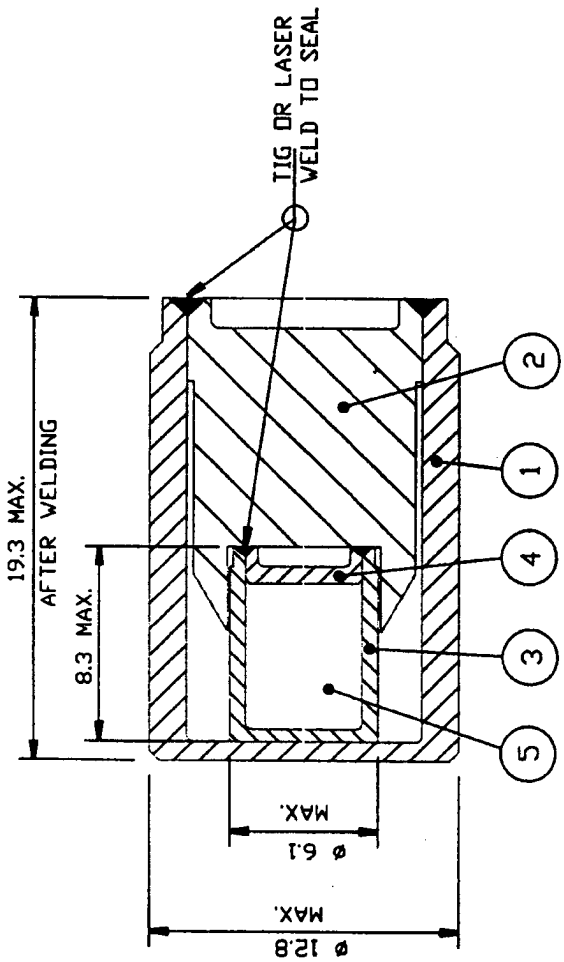
Item #	Description	Qty.
1	SHEATH BODY STAIN.STL.	1
2	SHEATH LID STAIN.STL.	1
3	CELL BODY (X19) STAIN.STL.	1
4	CELL LID (X19) STAIN.STL.	1
5	ACTIVE MATERIAL	AR



		DESCRIPTIVE DRAWING	
APPROVALS 		TITLE X38/1 CAPSULE ASSEMBLY	
		DATE 18 Nov 07	
DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE STATED TOLERANCES: X ±0.5 XX ±0.1 XXX ±0.05 ANGULAR ±5°		SCALE: NONE	
SIZE A		REV A	
DWG. NO. RBA61765		SHEET 1 OF 1	

ERF # 390

Item #	Description	Qty.
1	SHEATH BODY STAINSTL.	1
2	SHEATH LID STAINSTL.	1
3	CELL BODY (X8 SHEATH)	1
4	CELL LID (X8 SHEATH)	1
5	ACTIVE MATERIAL	AR

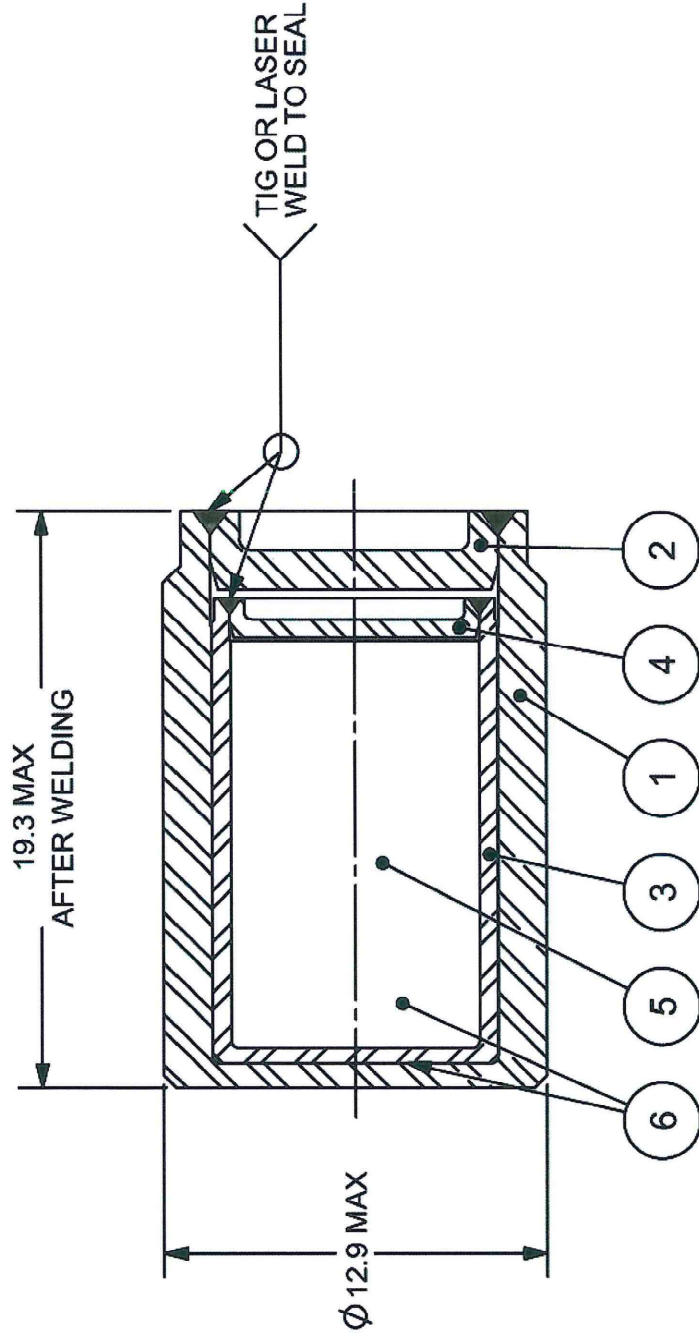


APPROVALS 18 NOV 82		DESCRIPTIVE DRAWING QSA 40 NORTH AVE. BURLINGTON, MA 01803	
TITLE X38/3 CAPSULE ASSEMBLY		REV A	
SIZE A		DWG. NO. RBA61769	
SCALE: NONE		SHEET 1 OF 1	
ERF # 390			

DIMENSIONS IN MILLIMETERS
UNLESS OTHERWISE STATED TOLERANCES:

X	±0.5	INTERNAL	N7
XX	±0.1	INTERNAL	N7
XXX	±0.05	EXTERNAL	N7
ANGULAR	±5°		

ITEM #	DESCRIPTION	QTY.
1	SHEATH BODY	1
2	SHEATH LID	1
3	CELL BODY (X1165)	1
4	CELL LID (X1165)	1
5	ACTIVE MATERIAL	AR
6	CERAMIC FIBER PACKING	AR



QSA GLOBAL 40 NORTH AVE, BURLINGTON, MA 01803		DESCRIPTIVE DRAWING	
TITLE X38/4 CAPSULE ASSEMBLY		SIZE A	
ERF # 4311		APPROVALS DATE	
E-SIGNED by Brian Girouard on 2021-08-25 12:58:20 EDT		E-SIGNED by Mary Flanigan on 2021-08-25 13:04:50 EDT	
DWG. NO. RBA61759		SCALE: NONE	
SHEET 1 OF 1		REV B	



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CERTIFICATE NUMBER: USA/0363/S-96

ORIGINAL REGISTRANT(S) :

QSA Global, Inc.
40 North Avenue
Burlington, MA, 01803
USA