



To:	TSSA	From:	Janet Townsend
Company:	Mason Industries Inc.	Phone:	416-747-4291
Pages:	7	Location:	Toronto
Our File:	ANR-4626	Date:	September 28, 2017

Your File: 2105844

Subject: Request for Design Registration

Dear Ms. Francis,

CSA has reviewed the documentation submitted by TSSA on behalf of Mason Industries Inc. These fittings have been registered by CSA for the Province of Québec. In accordance with an agreement between CSA, the Provinces of Québec and Saskatchewan; this registration is recognized by Quebec and Saskatchewan. These fittings are acceptable for use in these Provinces. The letters CSA will be applied as a prefix to the CRN indicate which fittings have been registered in this manner. A copy of the stamped Statutory Declaration is attached.

The CRN is CSA-0D19128.56ADD1.

A copy of the Statutory Declaration with an original stamp affixed will be forwarded to you along with our invoice by regular mail.

Yours truly

A handwritten signature in blue ink that reads 'Janet Townsend'.

Janet Townsend
Program Manager
CSA Group

178 Rexdale Blvd.
Toronto, ON, M9W 1R3
Canada
www.csagroup.org

REGISTERED
CRN: CSA-0D19128.56ADD1
Registration Process administered by CSA Group per CSA B51

Statutory Declaration Registration of Fittings

(a) Design Qualification

I¹ SEAN CUNNINGHAM
(Name of applicant)

QUALITY CONTROL MANAGER
(Position eg, president, plant manager, chief eng.)

of MASON INDUSTRIES INC.
(name of company)

Located at 350 RABRO DRIVE, HAUPPAUGE, NY, 11788, USA
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required: B31.3 & EJMA-1076

Or
 are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with _____ code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ISO 9001, and has been verified by the following authority or authorized agency Seismic Source International

The fittings² covered by this declaration, for which I seek registration, are CATEGORY D

In support of the application, the following information, calculations and/or test data are attached:

SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

Declared before me at HAUPPAUGE

In the of (STATE) of NEW YORK, USA

The 24 day of July AD 2007

Alison E. Vazquez-Tell
A (commissioner for oaths)
Notary Public

ALISON E. VAZQUEZTELL
Notary Public, State of New York
No. 01VA5082616
Qualified in Suffolk County
Commission Expires July 28, 2021

[Signature]
Signature of Declarer

For Official Use Only

The application is accepted for registration in Category 'D' in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance.

EXPIRY DATE: JANUARY 30, 2027

Registered Number CRN CSA-0D19128.56ADD1

For the Chief Inspector A. BANWATT
Date SEPTEMBER 09 2017



¹ Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.

² All fittings are required to be registered in the name of the Manufacturer.

³ This form shall be completed and signed by the president of highest official in the manufacturing plant where the fitting is produced.



*Note: See the attachment for the scope of the registration



Technical Safety Authority of Saskatchewan

REGISTERED

CRN: CSA-0D19128.56ADD1



2202 2nd Ave.
Regina, SK S4R 1K3
PH: (306)798-7112 Toll Free: (866)530-8599
FAX: (306)787-9273 Toll Free: (866)760-9255
Email: boilerpermits@tsask.ca
Website: www.tsask.ca

Statutory Declaration (Registration of Fittings) by

CSA Group per CSA B51

TSK-1008

I. Declaration Information

I, SEAN CUNNINGHAM
QUALITY CONTROL MANAGER
(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)
of: MASON INDUSTRIES INC.
(name of manufacturer)

In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.



located at: 350 RABRO DRIVE HAUPPAUGE, NY 11788, USA
(Plant Address - Apt/Street) (City, Prov) (Postal Code)

do solemnly declare that the fittings listed hereinunder, which are subject to the **Saskatchewan Boiler and Pressure Vessel Safety Act** (check one)

- Comply with the requirements of ASME B31.3, EJMA, 10TH EDITION which specifies the dimensions, Materials of construction, pressure / temperature ratings and identification marking of the fittings, or
(title of recognized North American Standard)
- Are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with _____ as supported by the attached data which identifies the dimensions, materials of construction, pressure / temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacturer of these fittings is controlled by a quality control program which has been verified by the following authority, ISO 9001 SEISMIC SOURCE INTERNATIONAL as being suitable for the manufacturer of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are CATEGORY D

In support of this application, the following information, calculations and / or test data are attached:

SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

II. Declaration

DECLARED before me at HAUPPAUGE In the (STATE) of NEW YORK, USA
this 24 day of JULY, 2017
ACISON E. VAZ-QUEZTEL (print name) _____ (Signature)
ACISON E. VAZ-QUEZTEL (Signature of Commissioner of Oaths) _____
Notary Public, State of New York
No. 01VA5082616
Qualified in Suffolk County.
Commission Expires: July 28, 2021

III. Office Use Only

To the best of my knowledge and belief, the application meets the requirements of the **Boiler and Pressure Vessel Safety Act** and CSA B51, Clause 4.2, and is accepted for registration in Category D

CSA-0D19128.56ADD1
(Registration Number)

SEPTEMBER 09, 2017 - 01-30-2027
(Date Registered - MM DD YYYY) Group (Expiry Date - MM DD YYYY)
(For the Administrator / Chief Inspector) A. BANWATT



*Note: See the attachment for the scope of the registration



345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel. 416 734 3300
Fax. 416 231 1626
Toll Free 1 877 682 8772

www.tssa.org

May 24, 2017

SCOTT ISLIP
ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L0R 2H8
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 2080672
Your Reference No.: R-0766 MASON EXPANSION COMPENSATORS
Registered to: MASON INDUSTRIES INC

Dear SCOTT ISLIP,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.: 0D19128.5ADD1
Main Design No.: Addition of Expansion Joints ECFFL (Flanged), ECMN (MNPT), ECWN (Butt-weld) and ECCPS (Sweat End) - see the attachment to the Statutory Declaration Form for full scope of registration.

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Mark Valcic P. Eng.
Engineer Specialist BPV
Tel.: 416-734-3494
Fax: 416-231-1626
Email: mvalcic@tssa.org





MASON INDUSTRIES INC.

350 RABRO DR.
HAUPPAUGE, NY
11788

16-May-17

ATTACHMENT TO

C.R.N. CSA-0019128-15ADD1

Page 1 of 1

Signed: *[Signature]*

178 Roadside Boulevard, Toronto, ON Canada M9W1R3

SCOPE OF CRN REGISTRATION

Product Description	Mason Model	Design Code	Size Range	MAWP	End Connection	Material Specification	MDMT	Design Report
Expansion Compensator with Fixed and Floating Flanges	ECFFL	ASME B31.3 EJMA 10TH Edition	3/4" thru 4"	200 psig at 400F	150 Lb. RF Flange (Note 1)	ASTM A53-E/B C.Steel ASTM A36 C.Steel ASTM A105 C.Steel ASTM A240-304/304L S.Steel UNS S30400/S30403	-20F	R-0766A
			3/4" thru 1-1/2"	150 psig at 366F	MNPT (Note 2)			
Expansion Compensator with MNPT End Connections	ECMN	ASME B31.3 EJMA 10TH Edition	2" thru 4"	200 psig at 400F	Butt Weld (Note 3)			
			3/4" thru 4"	200 psig at 400F				
Expansion Compensator with Female Sweat End Connections	ECCPS	ASME B31.3 EJMA 10TH Edition	3/4" thru 3"	150 psig at 400F (Note 4)	Female Sweat End	ASTM B88 Copper UNS C12200 ASTM A269-304/304L S.Steel ASTM A240-304/304L S.Steel UNS S30400/S30403 (Note 5)	-20F	R-0766B
			Size 4"	145 psig at 400F (Note 4)				

Note 1: Flanges with a pressure class greater than class 150 Lb. may be used but in all cases the pressure-temperature ratings are limited to the values stated in the "MAWP" column above.

Note 2: For sizes 3/4" thru 1-1/2" when supplied with Sch. 40 ends with MNPT pipe threads the maximum operating conditions are limited to 150 psig at 366F. When sizes 3/4" thru 1-1/2" are supplied with Sch. 80 ends with MNPT pipe threads the MAWP may be increased to 200 psig at 400F.

Note 3: Minimum butt weld pipe schedule to be as follows:
- Sizes 3/4" thru 4": Schedule 40 per ASME B36.10M

Note 4: The safe pressure-temperature rating of a solder-joint piping system is dependent, not only on the valve, fitting and tubing strength, but also on the composition of the solder used for the joints. Pressure-temperature limitations for solder joints made with typical commercial solders are given in Table II-4 of ASME B16.22. It shall be the responsibility of the user to select a solder composition that is compatible with the service conditions, as well as to assure the adequacy of workmanship employed in making the joints.

Note 5: In accordance with ASME B16.22 copper UNS C10200, C12000, C23000 may be substituted for copper UNS C12200.

THIS IS PART OF
CRN 0019128-15ADD1
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program
[Signature] May 17



CERTIFICATION

This is to signify that

Mason Industries Inc.

350 Rabro Dr

Hauppauge NY 11788

has met the requirements of the Seismic Source International Criteria for Certification, has and maintains a quality program that governs their activity, and is audited for compliance as required by the certification program.

Scope of Certifications: Registered ISO 9001: Engineering
Registered ISO 9001: Manufacturing
Per Quality Control Manual QAM 001

Certification Number: MI01-01

Certification Date: November 1, 2016 (expires November 1, 2017)

A handwritten signature in black ink, appearing to read 'James A. Carlson'.

James A. Carlson
President

178 Rexdale Blvd.
Toronto, Ontario
Canada M9W 1R3
Tel: (416) 747-4000
www.csagroup.org



March 2017

CRN – Canadian Registration Numbers - Saskatchewan

The Province of Saskatchewan participates with Quebec and the Canadian Standards Association (CSA Group) for the registrations of “Fittings”.

Per an agreement with CSA Group in April 1998, Saskatchewan recognizes registrations done by CSA Group and accepts such fittings for use in Saskatchewan.

The letters “CSA” are applied as a prefix to the CRN to indicate which “Fittings” have been registered in this manner. You should inform your clients of this additional marking requirement and that “Fittings” registered by CSA Group are accepted for use in Saskatchewan Canada.