



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 16, 2018

CHAD THOMAS
ENGINEERED CONTROLS INTERNATIONAL LLC
100 REGO DR
ELON NC 27244
US

Service Request Type: BPV-Fitting Registration

Service Request No.: 2044362

Your Reference No.:

Registered to: ENGINEERED CONTROLS INTERNATIONAL LLC

Dear CHAD THOMAS,

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

CRN No.: 0H20352.5

Main Design No.: Dwg. No. MVE5CA, Vent Assembly

Expiry Date: 16-May-2028

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

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



Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Customer Service: 1.877.682.8772
Fax: 416.231.6183
www.tssa.org

REASSIGNED
TO MARK
MAY 3/18

TSSA # 2044362



National Design Registration
Application for a CRN
Technical Standards and Safety Act
Boilers and Pressure Vessels Regulation

Date of Application (mm/dd/yyyy): 3/30/2018	Expedited Service (Ontario Only) <input type="checkbox"/> Yes (form attached) <input checked="" type="checkbox"/> No	Service Request Number: (For office use only) 2044362 NAT 204 4364
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Please indicate the type of design for National Service:

☐ Pressure Vessel ☐ Boiler ☒ Fitting

Existing CRN: _____
(if applicable)

Section A: Submitter (Legal Company Name)	Section B: Invoicee Same as: <input checked="" type="checkbox"/> A <input type="checkbox"/> C <input type="checkbox"/> D
Company Name: ENGINEERED CONTROLS INTERNATIONAL, LLC.	Company Name:
Address: 100 REGO DRIVE	Address:
City/Town: ELON Province/State: NC	City/Town: Province/State:
Postal/Zip Code: 27244 Country: USA	Postal/Zip Code: Country:
Telephone: 336-446-7707	Telephone:
Contact Name: CHAD THOMAS <i>Ms. Vani Peri</i>	Contact Name:
E-mail: cthomas@regoproducts.com <i>vperie</i>	E-mail:
Job No./Reference:	Purchase Order No.:
Drawing/Catalog No.: <i>MVE5CA</i>	
Account/Customer Number:	Account/Customer Number
Section C: Owner of Design/ CRN Same as: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> D	Section D: Manufacturer Same as: <input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C
Company Name:	Company Name:
Address:	Address:
City/Town: Province/State:	City/Town: Province/State:
Postal/Zip Code: Country:	Postal/Zip Code: Country:
Telephone:	Telephone:
Contact Name:	Contact Name:
E-mail:	E-mail:
Acct/Cust No.:	Acct/Cust No.:

Kindly select the province registration is required:

For renewals or additions to registrations where registration was obtained outside of Ontario first, in order to keep that registration number, please apply to the original registering province first, then proceed to apply with national registration with TSSA. If you proceed with national registration at TSSA first, we will need to issue a new registration number.

- | | | | |
|--|--|--|---|
| <input checked="" type="checkbox"/> Ontario | <input checked="" type="checkbox"/> Saskatchewan | <input checked="" type="checkbox"/> New Brunswick | <input checked="" type="checkbox"/> Newfoundland and Labrador |
| <input checked="" type="checkbox"/> British Columbia | <input checked="" type="checkbox"/> Manitoba | <input checked="" type="checkbox"/> Nova Scotia | <input checked="" type="checkbox"/> Yukon |
| <input checked="" type="checkbox"/> Alberta | <input checked="" type="checkbox"/> Quebec | <input checked="" type="checkbox"/> Prince Edward Island | <input checked="" type="checkbox"/> Northwest Territories |
| | | | <input checked="" type="checkbox"/> Nunavut |

Return Mail to: ☐ A ☐ B ☐ C ☐ D ☐ Call for Pick up at Head Office

Optional Courier Collect:

(Completed ON Reg. Only)

☐ DHL ☐ FEDEX ☐ PUROLATOR ☐ UPS

Acct No.: _____

REGISTRATION NUMBER: (For Office Use Only)

04/20352.5



Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Fax: 416.231.6183
Customer Service: 1.877.682.8772
www.tssa.org

Date of Application (mm/dd/yyyy):
12/16/2016

☐ Expedited Service (please attached request form)

Please indicate the type of design: ☐ Boiler ☐ Pressure Vessel ☒ Fitting
Existing CRN: _____ (if applicable)

Section A: Submitter

Company Name: ENGINEERED CONTROLS INTERNATIONAL, LLC.
Address: 100 REGO DRIVE
City/Town: ELON Province/State: NC
Postal/Zip Code: 27244 Country: USA
Telephone: 336-449-7707 Fax:
Contact Name: CHAD THOMAS
E-mail: cthomas@regoproducts.com
Job No./Reference:
Drawing/Catalog No.:

Section B: Invoicee

Company Name:
Address:
City/Town:
Postal/Zip Code:
Telephone:
Contact Name:
E-mail:
Purchase Order No.:

Section C: Owner of Design/CRN

Acc/Cust No.: 1400283 (913915)
Same as: ☒ A ☐ B ☐ D

Section D: Manufacturer

(If more than one please attach list)
Company Name:
Address:
City/Town:
Postal/Zip Code:
Telephone:
Contact Name:
E-mail:
Acc/Cust No.:

Registration required in the following jurisdictions:

☒ Ontario ☒ Saskatchewan ☒ New Brunswick
☒ British Columbia ☒ Manitoba ☒ Nova Scotia
☒ Alberta ☒ Quebec ☒ Prince Edward Island
☒ Newfoundland and Labrador
☒ Yukon
☒ Northwest Territories
☒ Nunavut

Deposit included:

☐ CDN \$600.00 - Ontario and up to 2 additional provinces
☒ CDN \$1,200.00 - Ontario and 3 or more additional provinces
Cheque No. _____ Amount \$ _____

(Deposit to be applied to the incurred fees when all jurisdictions are complete - any charges over and above deposit amount will be invoiced at that time.)

Return mail address: ☐ A ☐ B ☐ C Optional: Courier Collect Counter name: _____

Signed: Chad M. Thomas Date (mm/dd/yyyy): 12/16/2016

Date: _____ Reviewing Engineer: _____

CRN Issued: _____



Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N9
www.tssa.org

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

REGO®

STATUTORY DECLARATION Registration of Fittings

I, CHAD THOMAS, VP GLOBAL ENGINEERING

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of ENGINEERED CONTROLS INTERNATIONAL, LLC

(Name of Manufacturer)

Located at 100 REGO DRIVE, ELON, NC - 27244

(Plant Address)

336-449-7707

(Telephone No.)

(Fax No.)



do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;



or 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, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO90001 which has been verified by the following authority, UNDERWRITERS LABORATORY INC

The items covered by this declaration, for which I seek registration, are category H type fittings. In support of this application, the following information and/or test data are attached as follows:

SEE ATTACHED LIST - MVECA

(drawings, calculations, test reports, etc.)

Declared before me at Alamance County in the State of North Carolina
the 20 day of April AD 2018

Commissioner for Oaths:

Jennifer Versage Watson

(Printed name)

Jennifer Versage Watson
(Signature)

Jennifer Versage Watson

Notary Public

Rockingham County

North Carolina

My Commission Expires 03/05/2023

Chad Thomas
(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category H

CRN:

OH20352.5

Registered by:

MARK VALCIC, P.ENG

Dated:

MAY 16, 2018

MAY 16, 2018

NOTE: This registration expires on:

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

OFFICE
REGISTERED

C.R.N.:

OH20352.5

Signed:

Date:

Mark Valcic
MAY 16, 2018

Category	System Number	Description	Drawing Number	Body Number	Body Material	Service Pressure
H	MVE5CA	Vent Assembly	B-9409-1C	B-9412PT-1	Bronze Cast Alloy, UNS C92200, ASTM B61	600
			450113	450113	FC Brass, UNS C36000, ASTM B16	600
			1337B-22 SER	1337B-22D	Stainless Steel Pipe, ASTM A312, TP304L	600
			1337-57	1337-57	Stainless Steel Pipe, ASTM A312, TP304L	600
			450112	450112	Stainless Steel Pipe, ASTM A312, TP304L	600
			B-8404-19SS	B-8404-19SS	Stainless Steel Pipe, ASTM A249, TP304L	600



CERTIFICATE



This is to certify that

Engineered Controls International, LLC

100 Rego Drive
Elon, NC 27244
United States of America

with the organizational units/sites as listed in the annex

has implemented and maintains a **Quality Management System**.

Scope:

The design and manufacture of valves, regulators and fittings for the L.P. Gas, Anhydrous Ammonia, LNG, and Compressed Gas Industries.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001 : 2008

Certificate registration no.	10001523 QM08
Date of original certification	1994-10-04
Date of certification	2015-12-22
Valid until	2018-09-14



DQS Inc.

Ganesh Rao
Managing Director



Annex to Certificate
Registration No. 10001523 QM08

Engineered Controls International, LLC

100 Rego Drive
Elon, NC 27244
United States of America

Location

10003889
Engineered Controls International, LLC
3181 Lear Drive
Burlington, NC 27215
United States of America

10003890
Engineered Controls International, LLC
911 Industrial Drive S.W.
Conover, NC 28613
United States of America



This annex (edition: 2015-12-22) is only valid in connection with the above-mentioned certificate.



345 Carlingview Drive
Toronto, Ontario
CANADA M9W 6N9
Tel.: 416.734.3300
Fax.: 416.231.1626
Toll Free: 1.877.682.8772
www.tssa.org

August 02, 2018

CHAD THOMAS
ENGINEERED CONTROLS INTERNATIONAL LLC
100 REGO DR
ELON NC 27244
US

Service Request Type.: BPV-National AB
Service Request No.: 2316090
Your Reference No.:
Registered to.: ENGINEERED CONTROLS INTERNATIONAL LLC

Dear CHAD THOMAS,

Please find enclosed the original response from AB, registered under the CRN No.: 0H20352.52.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. : 416-734-3423
Fax : 416-231-6183
Email : tfrancis@tssa.org

July 20, 2018

Attention: Joanna Karpinski
TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO, ON M9W 6N9

Email: JKarpinski@tssa.org

The design submission, tracking number 2018-03515, originally received on May 31, 2018 was surveyed and accepted for registration as follows:

CRN :	0H20352.52	Accepted on:	July 20, 2018
Reg Type:	NEW DESIGN	Expiry Date:	May 16, 2028
Drawing No. :	MVE5CA Rev 10		
Fitting type:	ASSEMBLY		

Design registered in the name of : ENGINEERED CONTROLS INTERNATIONAL LLC

Description	MAWP	Design Temperature	MDMT
Internal Pressure	4137kPa	74 °C	-196 °C

The registration is conditional on your compliance with the following notes:

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is ASME B31.3.

- *This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.*
- *This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.*
- *Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.*

Valve has its own CRN 0H18390.2.

Material used is suitable for design temperature and MDMT.

An invoice covering survey and registration fees will be forwarded from our Revenue Accounts.

Enclosed are stamped prints for your reference.

If you have any question don't hesitate to contact me by phone at (780) 433-0281 or fax (780) 437-7787 or e-mail liu@absa.ca.

Sincerely,



LIU, XING, P. Eng.
DOP Cert. No. D00008861

**STATUTORY DECLARATION
Registration of Fittings**

I, Chad Thomas, V.P of Engineering
(name of applicant) (position title) (must be in a position of authority)
of Engineered Controls International, LLC.
(name of manufacturer)
located at 100 Rego Drive, Elon - 27244, NC, USA
(plant address)

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

REGO®

do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act
(check one)

- ☒ comply with the requirements of ASME B31.3 which specifies the dimensions,
(title of recognized North American Standard)
materials of construction, pressure/temperature ratings and identification marking of the fittings, or
- ☐ are not covered by the provisions of a recognized North American standard and are therefore manufactured
to comply with _____ as supported by the attached
(title of code of construction or other applicable document)
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 manufacture of these fittings is controlled by a quality control program which has been
verified by the following authority, ISO 9001 / UL INC as being suitable for the manufacture of these
fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are
Category H

(brief description of fittings)

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

See attached list - MVE5CA

DECLARED before me at Elon in the State of North Carolina
(city) (province or state)
this 20 day of April, 2018
(Month) (Year)

(print) Jennifer Versage Watson
(a Commissioner of Oaths or Notary Public)

(sign) Jennifer Versage Watson
(a Commissioner of Oaths or Notary Public)

Chad Thomas
(signature of applicant)

Jennifer Versage Watson
Notary Public
Rockingham County
North Carolina
My Commission Expires 03/05/2023

For ABSA Office Use Only:

NOTES:

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA
Standard B51, Clause 4.2, and is accepted for registration in Category H

Registration Number: 0H20352 52
(Signature of the Administrator/SCO)

Date Registered: 2018-07-20 Expiry Date: 2028-05-16

The information you provide is necessary only for the administration of the programs as required by the Alberta Safety Codes Act and Regulations in the
Pressure Equipment Discipline.



345 Carlingview Drive
Toronto, Ontario
CANADA M9W 6N9
Tel.: 416.734.3300
Fax.: 416.231.1626
Toll Free: 1.877.682.8772
www.tssa.org

August 02, 2018

CHAD THOMAS
ENGINEERED CONTROLS INTERNATIONAL LLC
100 REGO DR
ELON NC 27244
US

Service Request Type.: BPV-National ACI Central
Service Request No.: 2316102
Your Reference No.:
Registered to.: ENGINEERED CONTROLS INTERNATIONAL LLC

Dear CHAD THOMAS,

Please find enclosed the original response from PEI,NS,NB,NFLD,YK,NWT,NU, registered under the CRN No.: 0H20352.59870YTN.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. : 416-734-3423
Fax : 416-231-6183
Email : tfrancis@tssa.org


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: <u>Engineered Controls International LLC</u>	
MANUFACTURERS ADDRESS: <u>100 Rego Drive, Glen NC 27244</u>	
PLANT LOCATIONS: <u>Glen</u>	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY	
<p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p>C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting AECB or ASME requirements)</p>	<p>TITLE OF THE STANDARD OF CONSTRUCTION</p> <p><u>ASME B31.3</u></p>
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
<p></p>	
TYPE OF CONSTRUCTION	
<p>FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/></p> <p>CAST <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>DESCRIBE OTHER:</p>	
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:	
<p><u>MVE SCA</u></p>	

DECLARATION:
I, Chad Thomas (name in 3) employed by ECI and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Chad Thomas

Declared before me at Rockingham County, North Carolina

This 20 day of April AD 2018

Commissioner of Oaths
or Notary Public (sign)

Jennifer Versage Watson
(Affix Official seal to the right)


SET THIS SPACE FOR THE
OFFICIAL SEAL

Jennifer Versage Watson
Notary Public
Rockingham County
North Carolina
My Commission Expires 03/05/2023

This space for Regulatory Authority use	
This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>OH20352.5</u>	ACCEPTED
FID#: <u>1704</u>	PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT
Notes:	C.R.N. <u>OH20352.59</u>
1. All fittings shall be registered in the name of the Manufacturer.	DATE: <u>June 8 2018</u>
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.	<u>Jeanette McCollins</u>
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.	INSPECTION SERVICES SECTION
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.	BOILER/PRESSURE VESSEL BRANCH

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNSNEW BRUNSWICK
NUNAVUTNOVA SCOTIA
YUKONPRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: <u>Engineered Controls International LLC</u>	
MANUFACTURERS ADDRESS: <u>100 Rego Drive, Elon NC 27244</u>	
PLANT LOCATIONS: <u>Elon</u>	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting AECB or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION <u>ASME B31.3</u>
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 	TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: <u>MVE SCA</u>	

DECLARATION:

I, Chad Thomas (see note 3) employed by ECI and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by _____ as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: _____

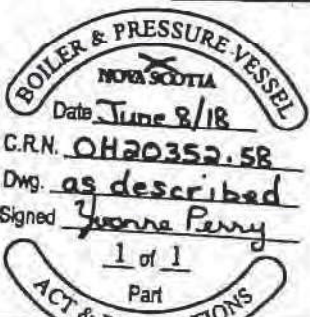
Declared before me at _____

This 20 day of April AD 2018Commissioner of Oaths
or Notary Public (sign) _____

(Affix Official seal to the right)

 SET THIS SPACE FOR THE
OFFICIAL SEAL

 Jennifer Versage Watson
Notary Public
Rockingham County
North Carolina
My Commission Expires 03/05/2023

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance. CRN: <u>OH20352.5</u> FID#: <u>1704</u> Notes: 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.	
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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: <u>Engineered Controls International LLC</u>	
MANUFACTURERS ADDRESS: <u>100 Rego Drive, Elon NC 27244</u>	
PLANT LOCATIONS: <u>Elon</u>	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting AECB or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION <p style="text-align: center; font-size: 1.2em;">ASME B31.3</p>
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT <div style="text-align: center; font-size: 1.5em; font-weight: bold;">REGO®</div>	TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: <p style="text-align: center; font-size: 1.2em;">MVE 5CA</p>	

DECLARATION:

I Chad Thomas (see note 3) employed by ECI and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by _____ as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: _____

Declared before me at Alamance County, North Carolina

This 20 day of April AD 2018

Commissioner of Oaths
or Notary Public: (sign) _____

(Affix Official seal to the right)

THIS SPACE FOR THE
OFFICIAL SEAL

Jennifer Versage Watson
Notary Public
Rockingham County
North Carolina

Commission Expires 03/05/2023

CRN: OH20352.5

FID#: 1704

Notes:

1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

This space for Regulatory Authority use

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

Brunswick

DEPT OF PUBLIC SAFETY
BOILER & PRESSURE VESSEL ACT

REGISTRATION ONLY

CRN OH20352.57

EXAMINER: _____

or
CHIEF INSPECTOR

DATE

6/8/2018

☐ BLRs ☐ PVs

☒ FITTINGS ☐ COMPONENTS


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: <u>Engineered Controls International LLC</u>	
MANUFACTURERS ADDRESS: <u>100 Rego Drive, Glen NC 27244</u>	
PLANT LOCATIONS: <u>Glen</u>	
<p>CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY</p> <p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p>C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting AECB or ASME requirements)</p>	<p>TITLE OF THE STANDARD OF CONSTRUCTION</p> <p style="text-align: center; font-size: 1.2em;">ASME B31.3</p>
<p>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</p> <div style="text-align: center; font-size: 1.5em; font-weight: bold; margin-top: 10px;">  </div>	<p>TYPE OF CONSTRUCTION</p> <p>FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/></p> <p>CAST <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>DESCRIBE OTHER:</p>
<p>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</p> <p style="text-align: center; font-size: 1.2em; margin-top: 20px;">MVE 5C A</p>	

DECLARATION:

I, Chad Thomas (see note 3) employed by ECI and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by _____ as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath.

Signature of Declarant: _____

Declared before me at Rockingham County, North Carolina

This 20 day of April AD 2018

Commissioner of Oaths
or Notary Public: (sign) _____

(And Official seal to the right)

THIS SPACE FOR THE
OFFICIAL SEAL

Jennifer Versage Watson
Notary Public
Rockingham County
North Carolina

My Commission Expires 03/05/2023

<p style="text-align: center;">This space for Regulatory Authority use</p> <p style="text-align: center;">This registration must be revalidated after ten (10) years from the date of acceptance</p>	
<p>CRN: <u>0H20352.5</u></p> <p>FID#: <u>1704</u></p> <p>Notes:</p> <ol style="list-style-type: none"> 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product. 4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years. 	<p style="text-align: center;">Newfoundland Labrador</p> <p style="text-align: center;">Service NL</p> <p>Registered <u>0H20352.50</u></p> <p>Date <u>14 JUNE 2018</u></p> <p>Engineering and Inspection Services</p> <p>Registered by <u>Stigler</u></p> <p style="text-align: center;">UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT AND THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS</p>


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: <u>Engineered Controls International LLC</u>	
MANUFACTURERS ADDRESS: <u>100 Rego Drive, Elon NC 27244</u>	
PLANT LOCATIONS: <u>Elon</u>	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs <input checked="" type="checkbox"/> H Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting AECB or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION <u>ASME B31.3</u>
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT 	TYPE OF CONSTRUCTION FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: <u>MYE 5CA</u>	

DECLARATION:

I, Chad Thomas (see note 3) employed by ECI and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by _____ as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Chad Thomas

Declared before me at Rockingham County, North Carolina

This 20 day of April AD 2018

Commissioner of Oaths
or Notary Public: (sign) Jennifer Versage Watson

(Affix Official seal to the right)

THIS SPACE FOR THE
OFFICIAL SEAL

Jennifer Versage Watson
Notary Public
Rockingham County
North Carolina

My Commission Expires 03/05/2023

CRN: 0H20352.5

FID#: 1704

Notes:

1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.




UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: <u>Engineered Controls International LLC</u>	
MANUFACTURERS ADDRESS: <u>100 Rego Drive, Elon NC 27244</u>	
PLANT LOCATIONS: <u>Elon</u>	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY	
<p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p>C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>K Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting AECB or ASME requirements)</p>	<p>TITLE OF THE STANDARD OF CONSTRUCTION</p> <p><u>ASME B31.3</u></p>
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
	
TYPE OF CONSTRUCTION	
<p>FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/></p> <p>CAST <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>DESCRIBE OTHER:</p>	
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:	
<p><u>MVE SCA</u></p>	

DECLARATION:

I, Chad Thomas (see note 3) employed by ECI and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Chad Thomas

Declared before me at Rockingham County, North Carolina

This 20 day of April AD 2018

Commissioner of Oaths
or Notary Public (sign): Jennifer Versage Watson

(Affix Official seal to the right)

SET THIS SPACE FOR THE
OFFICIAL SEAL

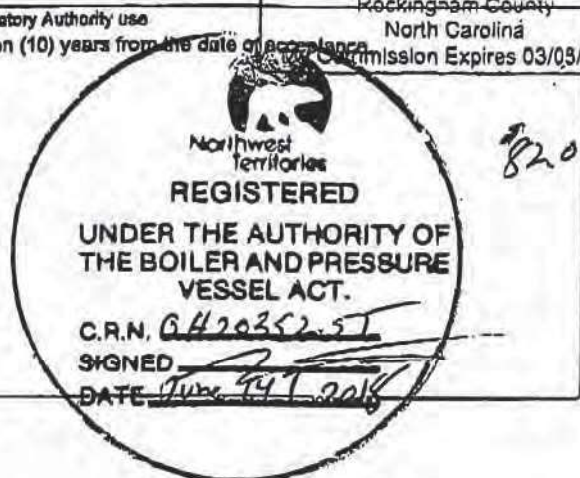
Jennifer Versage Watson
Notary Public
Rockingham County
North Carolina
Commission Expires 03/03/2023

CRN: 0H20352.5

FID#: 1704

Notes:

1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.



8200


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: <u>Engineered Controls International LLC</u>	
MANUFACTURERS ADDRESS: <u>100 Rego Drive, Elon NC 27244</u>	
PLANT LOCATIONS: <u>Elon</u>	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY	
<p>A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers</p> <p>B Flanges: all flanges</p> <p>C Valves: all line valves</p> <p>D Expansion joints, flexible connections, and hose assemblies: all types</p> <p>E Strainers, filters, separators, and steam traps</p> <p>F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure transmitters</p> <p>G Certified capacity-rated pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and fusible plugs</p> <p>H Pressure retaining components that do not fall into one of the above categories</p> <p>N Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting AECB or ASME requirements)</p>	<p>TITLE OF THE STANDARD OF CONSTRUCTION</p> <p><u>ASME B31.3</u></p>
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
	
TYPE OF CONSTRUCTION	
<p>FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/></p> <p>CAST <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>DESCRIBE OTHER:</p>	
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:	
<p><u>MVE SCA</u></p>	

DECLARATION:

I, Chad Thomas (see note 3) employed by ECI and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in this form is true and to the best of my knowledge represents the product for which registration is sought. The dimensions, materials of construction, pressure temperature ratings, and identification markings are in accordance with the herein named standards. I further declare that the manufacture of these fittings is regulated by a Quality Control Program which extends to each plant where fabrication occurs in whole or in part and has been verified by _____ as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer:

Declared before me at

This 20 day of April AD 2018

Commissioner of Oaths
or Notary Public: (sign)

Rockingham County, North Carolina

SET THIS SPACE FOR THE
OFFICIAL SEAL

(Affix Official seal to the right)

Jennifer Versage Watson
Notary Public

Rockingham County
North Carolina

Commission Expires 03/05/2023

CRN: 0H20352.5

FID#: 1704

Notes:

1. All fittings shall be registered in the name of the Manufacturer.
2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.
3. The declaration shall be made by the person having full authority and responsibility for the quality of the end product.
4. Quality control programs shall be resubmitted for validation at a maximum interval of five (5) years.

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



NUNAVUT

Boilers and
Pressure Vessels Act

REGISTERED

CRN 0H20352.5N

Date June 08, 2018

Signed [Signature]

Chief Inspector

Territorial Registration Fee



345 Carlingview Drive
Toronto, Ontario
CANADA M9W 6N9
Tel.: 416.734.3300
Fax.: 416.231.1626
Toll Free: 1.877.682.8772
www.tssa.org

June 26, 2018

CHAD THOMAS
ENGINEERED CONTROLS INTERNATIONAL LLC
100 REGO DR
ELON NC 27244
US

Service Request Type.: BPV-National BC
Service Request No.: 2316120
Your Reference No.:
Registered to.: ENGINEERED CONTROLS INTERNATIONAL LLC

Dear CHAD THOMAS,

Please find enclosed the original response from BC, registered under the CRN No.: 0H20352.51.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Joanna Karpinski
Tel: 416-734-3377
Fax: 416-231-6183
Email: jkarpinski@tssa.org

TECHNICAL STANDARDS & SAFETY AUTHORITY
345 CARLINGVIEW DRIVE
TORONTO ON M9W 6N9

Date: May 31, 2018
Account #: 35231
Journal #: 70887

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2316120, for a Fitting is accepted for registration as follows:

Registered To: ENGINEERED CONTROLS **CRN:** 0H20352.51
INTERNATIONAL LLC

Drawing #: MVE5CA

Drawing Revision: B

Conditions Of Registration:

Registration of a Vent Assembly as per attached scope of registration sheet.

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

Reviewer's Notes:

As required by CSA B51 4.2.1, this registration expires on May 16, 2028. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program lapse before the expiry date, this registration shall become void.

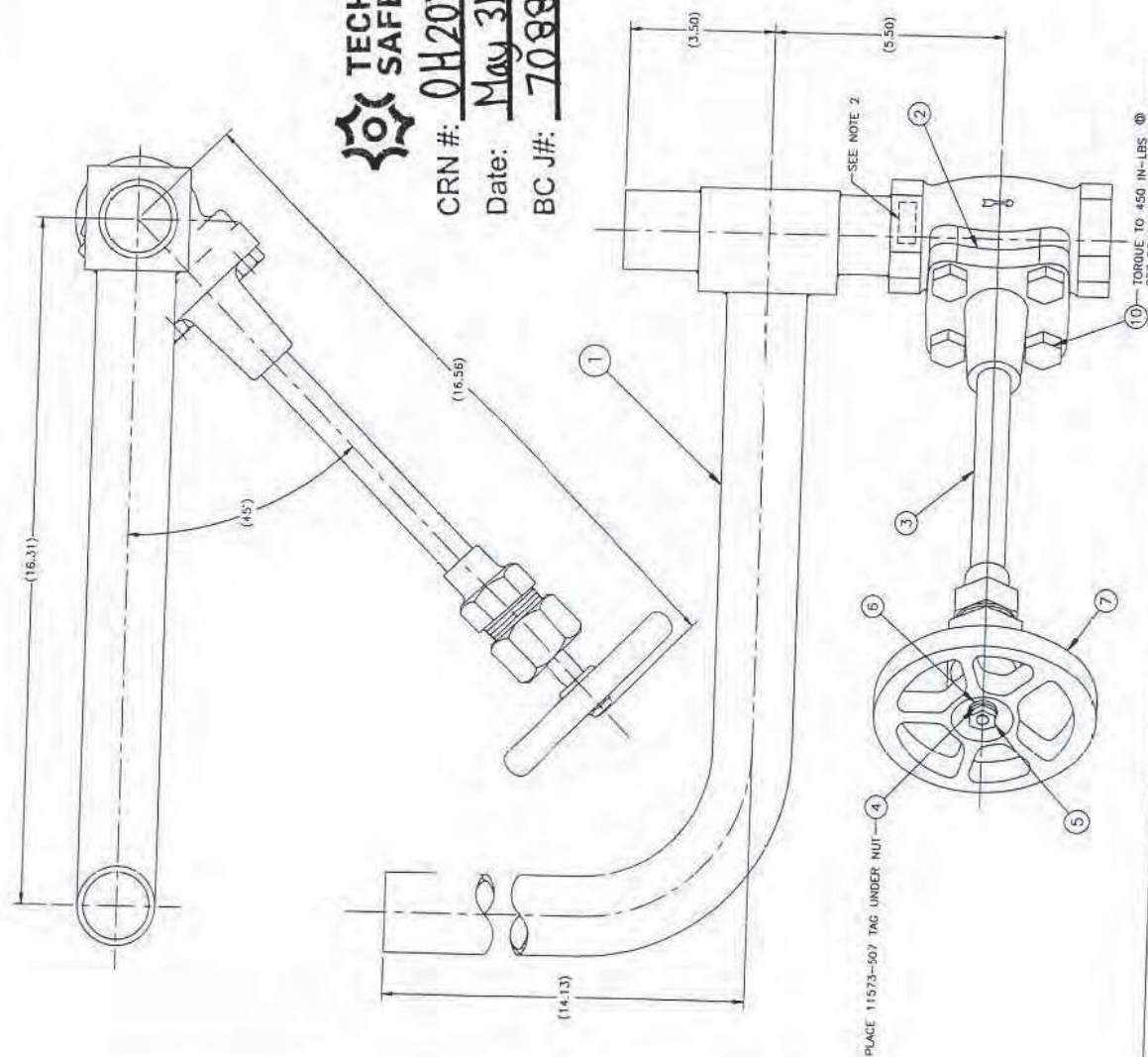
Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

SHARON PETERS

boiler.designregistration@technicalsaftybc.ca
Design Administration

cc:

TSR 2040362



APPROVED/CONTROLLED



CRN #: 0H20362.51
Date: May 31, 2018
BC J#: 70887

NOTES:

1. CLEAN AND PACKAGE PER B-11550-400 OXYGEN SERVICE.
2. STAMP DATE CODE ON BONNET FLAT AND ON BODY AS SHOWN.
3. TEST PER 8400-100.
4. INK STAMP "450" IN TORQUE BOX OF THE TORQUE TAG (ITEM 9).
5. ATTACH TAG TO HANDWHEEL.
6. ASSEMBLY MUST BE FIT CHART 60/NO-00 FIXTURE # F1000018 PRIOR TO SHIPPING.
7. INSTALL CLOSURES ON ALL OPENINGS.
8. REFERENCE CHART DRAWING # B-12008471.

THIS IS PART OF
CRN 0H20362.51
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program

6/16/20 MAY 16 13

ITEM	QTY	DESCRIPTION	NUMBER
10	4	1 SCREW	B-9409-21SS
9	1	1 TAG- CAUTION (NOT SHOWN)	SEE NOTE 4
8	1	1 SEAT DISC ASSY (NOT SHOWN)	B-9412-6
7	1	1 HANDWHEEL-BLUE	7509-151BP
6	1	1 WASHER	450027
5	1	1 LOCKNUT	7513-13SS
4	1	1 TAG HCY-12 VAPOR VENT	11573-507
3	1	1 UPPER ASSEMBLY KIT- UNTESTED	B-009412-KITU
2	1	1 GASKET	B-8511-6T
1	1	1 BRAZED ASSEMBLY	MVE5CA-2
REGO CRYO-FLOW PRODUCTS BURLINGTON, NC			
THIS DRAWING IS THE PROPRIETARY INFORMATION OF REGO CRYO-FLOW PRODUCTS. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.			
DRAWN: <i>[Signature]</i> CHECKED: T. HEGMAN 3-23-18 TITLE: VENT ASSEMBLY			
CREATED: P. ROWLEY 3-21-18 APPROVED: J. HILL 3-28-18 SCALE: (5:1)			
OTHERWISE SPECIFIED: 3 P. 2018 4. 2018 5. 2018 6. 2018 7. 2018 8. 2018 9. 2018 10. 2018			
CONCENTRICITY .010 PM			
REMOVE BURRS, BRASS			
SHARP EDGES .015 MAX			
REVISION 7-28-05			
2018-049, 1-31-18			
D REV			
DRAWING NO. MVE5CA			
PAGE 1 OF 1			



345 Carlingview Drive
Toronto, Ontario
CANADA M9W 6N9
Tel.: 416.734.3300
Fax.: 416.231.1626
Toll Free: 1.877.682.8772
www.tssa.org

September 13, 2018

CHAD THOMAS
ENGINEERED CONTROLS INTERNATIONAL LLC
100 REGO DR
ELON NC 27244
US

Service Request Type.: BPV-National CSA
Service Request No.: 2316130
Your Reference No.:
Registered to.: ENGINEERED CONTROLS INTERNATIONAL LLC

Dear CHAD THOMAS,

Please find enclosed the original response from QC,SK, registered under the CRN No.:
CSA-0H20352.56.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. : 416-734-3423
Fax : 416-231-6183
Email : tfrancis@tssa.org

REGISTERED



CRN: CSA-OH20352.56

Registration Process administered by
CSA Group per CSA B51

Statutory Declaration Registration of Fittings

(a) Design Qualification

I, Chad Thomas, V.P of Engineering

(Position eg, president, plant manager, chief eng.)

Of Engineered Controls International, LLC
(name of company)

Located at 100 Rego Drive, Elon, NC -27244 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:

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 ASME B31.3, and has been verified by the following authority or authorized agency UL 9001

The fittings² covered by this declaration, for which I seek registration, are Category "H"

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

See attached list - MVE5CA

Declared before me at Alamance County

In the of State of North Carolina

The 20 Day of April AD 19 2018

Jennifer Versage Watson
(commissioner for oaths)

Jennifer Versage Watson
Notary Public
Rockingham County
North Carolina
My Commission Expires 03/05/2023
Signature of Declarer³

For Official Use Only

The application is accepted for registration in Category H 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.

MAY 16 2028

Registered Number CRN CSA-OH20352.56

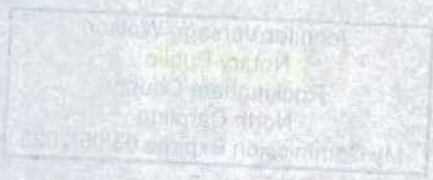
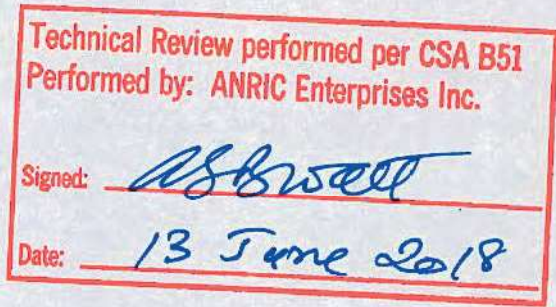
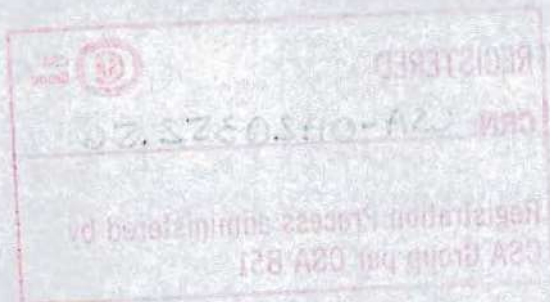
For the Chief Inspector

Date



A. BANWATT
June 13 2018

- 1 Three completed copied 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.





Technical Safety Authority of Saskatchewan

REGISTERED

CRN: CSA-OH20352.56

Registration Process administered by
CSA Group per CSA B51



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)

TSK-1008

I. Declaration Information

I, Chad Thomas, V.P of Engineering

(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: Engineered Controls International, LLC

(name of manufacturer)

located at: 100 Rego Drive

(Plant Address - Apt/Street)

Elon, NC

(City, Prov)

27244

(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 which specifies the dimensions,
(title of recognized North American Standard)
Materials of construction, pressure / temperature ratings and identification marking of the fittings, or

☐ 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, UL 9001 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 H -

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

See attached list - MVE SCA

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



II. Declaration

DECLARED before me at Adams County In the State of North Carolina
this 20 day of April, 2018

Jennifer Versage Watson
(print name)
Jennifer Versage Watson
(Signature of Commissioner of Oaths)

Jennifer Versage Watson
(Signature)

Jennifer Versage Watson
Notary Public
Rockingham County
North Carolina

My Commission Expires 03/05/2023

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 H

CSA-OH20352.56

(Registration Number)

June 13 2018

(Date Registered - MM DD YYYY)

(For the Administrator / Chief Inspector)

MAY 16 2023

(Expiry Date - MM DD YYYY)



A. BANWATT

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



TSK-1008
Rev. 10/2012
Page 1 of 1

Technical Review performed per CSA B51
Performed by: ANRIC Enterprises Inc.

Signed:

Abbott

Date:

13 June 2018

REGISTERED



CRN: *CSA-0420352.56*

Registration Process administered by
CSA Group per CSA B51



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 16, 2018

CHAD THOMAS
ENGINEERED CONTROLS INTERNATIONAL LLC
100 REGO DR
ELON NC 27244
US

Service Request Type: BPV-Fitting Registration
Service Request No.: 2044362
Your Reference No.:
Registered to: ENGINEERED CONTROLS INTERNATIONAL LLC

Dear CHAD THOMAS,

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

CRN No.: 0H20352.5
Main Design No.: Dwg. No. MVE5CA, Vent Assembly
Expiry Date: 16-May-2028

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

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

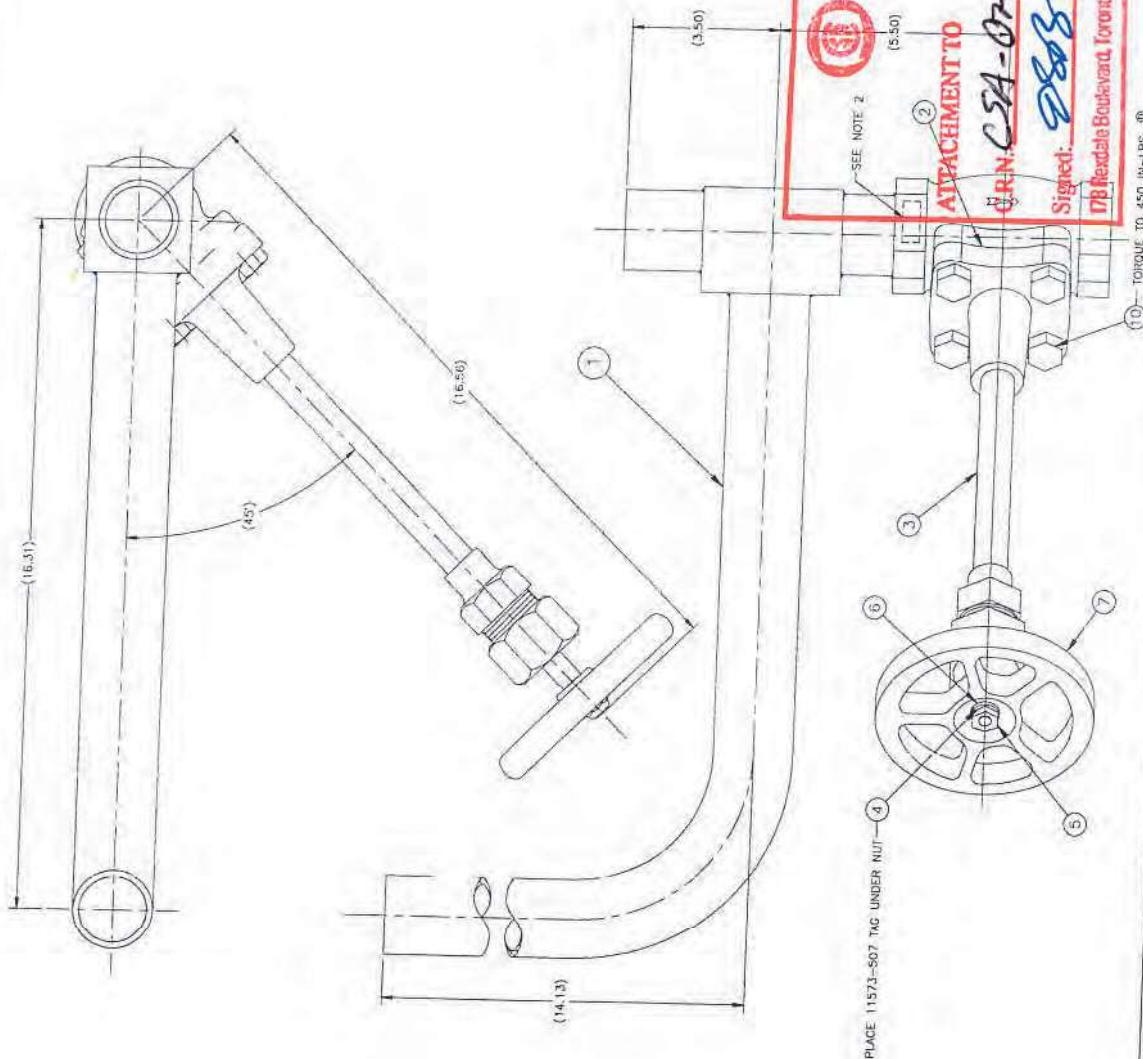


NOTES:



1. CLEAN AND PACKAGE PER B-11500-400 OXYGEN SERVICE.
2. STAMP DATE CODE ON BONNET FLAT AND ON BODY AS SHOWN.
3. TEST PER B400-100.
4. MNS STAMP "450" IN TORQUE BOX OF THE TORQUE TAG (ITEM 9).
5. ATTACH TAG TO HANDWHEEL.
6. ASSEMBLY MUST BE IN CHART GO/NO-GO FIXTURE # FIX00018 PRIOR TO SHIPPING.
7. INSTALL CLOSURES ON ALL OPENINGS.
8. REFERENCE CHART DRAWING # B-12008471.

THIS IS PART OF
CRN 04003545
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program

Wale MAY 16/18



CSA Group
ATTACHMENT TO
CRN CSA-07420352.56
Signed: [Signature]
170 Rexdale Boulevard, Toronto, ON Canada M9W 1R3

10	4	SCREW	
9	1	TAG- CAUTION (NOT SHOWN)	SEE NOTE 4
8	1	SEAT DISC ASSY (NOT SHOWN)	
7	1	HANDWHEEL-BLUE	
6	1	WASHER	
5	1	LOCNUT	
4	1	TAG HOV-12 VAPOR VENT	
3	1	UPPER ASSEMBLY KIT- UNTESTED	
2	1	GASKET	
1	1	HAZARD ASSEMBLY	
ITEM QTY DESCRIPTION			
REGO CRYO-FLOW PRODUCTS BURLINGTON, NC			
DRAWN: 		CHECKED: 	
DATE: 3-21-18		SCALE: 1:1	
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345 Carlingview Drive
Toronto, Ontario
CANADA M9W 6N9
Tel.: 416.734.3300
Fax.: 416.231.1626
Toll Free: 1.877.682.8772
www.tssa.org

October 04, 2018

CHAD THOMAS
ENGINEERED CONTROLS INTERNATIONAL LLC
100 REGO DR
ELON NC 27244
US

Service Request Type.: BPV-National MB
Service Request No.: 2316136
Your Reference No.:
Registered to.: ENGINEERED CONTROLS INTERNATIONAL LLC

Dear CHAD THOMAS,

Please find enclosed the original response from MB, registered under the CRN No.: 0H20352.54.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you.
For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. : 416-734-3423
Fax : 416-231-6183
Email : tfrancis@tssa.org



Inspection and Technical Services Manitoba
508 - 401 York Avenue
Winnipeg Manitoba R3C 0P8
T (204) 945-3373
F (204) 948-2309
www.firecomm.gov.mb.ca/codes_steam_pressure.html

September 7, 2018

TSSA
345 Carlingview Drive
Toronto, ON
M9W 6N9

Attn: Joanna Karpinski

REGISTRATION OF VALVES AND FITTINGS

Manufacturer: ENGINEERED CONTROLS INT. LLC.

The design(s) for the following Valves/Fittings has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

DRAWING / CATALOGUE	CRN	FILE
Vent Assembly DWG: MVE5CA Rev.E	0H20352.54	39013

An invoice covering survey and registration fees is enclosed.

NOTES:

- CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: TSSA. This registration expires **May 16, 2028**.*

This registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a fitting in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

Regards,

Ryan Orlesky, C.E.T.
Design Surveyor
Office of the Fire Commissioner
Inspection and Technical Services Manitoba
508 - 401 York Avenue
Winnipeg, Manitoba, R3C 0P8
Phone: 204-945-3373
Email: ryan.orlesky@gov.mb.ca



Technical Standards and Safety Authority
345 Carlingview Drive
Toronto, Ontario M9W 6N9
www.tssa.org

Show facsimile of manufacturer's logo or trademark, as it will appear on the fitting, in the space below

REGO®

STATUTORY DECLARATION Registration of Fittings

I, CHAD THOMAS, VP GLOBAL ENGINEERING

(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of ENGINEERED CONTROLS INTERNATIONAL, LLC

(Name of Manufacturer)

Located at 100 REGO DRIVE, ELON, NC - 27244

(Plant Address)

336-449-7707

(Telephone No.)

(Fax No.)

☒ do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.3

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;

☐ or 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, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO90001 which has been verified by the following authority, UNDERWRITERS LABORATORY INC

The items covered by this declaration, for which I seek registration, are category H type fittings. In support of this application, the following information and/or test data are attached as follows:

SEE ATTACHED LIST - MVE5CA.

(drawings, calculations, test reports, etc.)

Declared before me at Alamance County in the State of North Carolina
the 20 day of April AD 2018

Commissioner for Oaths:

Jennifer Versage Watson

(Printed name)

Jennifer Versage Watson
(Signature)

Jennifer Versage Watson
Notary Public
Rockingham County
North Carolina
My Commission Expires 03/05/2023

Chad Thomas
(Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category H.

CRN: 04/20352.54

Registered by: RYAN ORLESKY

Dated: SEPT 7, 2018

NOTE: This registration expires on: MAY 16, 2028





Colleen Anne Ratcliff,
a Commissioner, etc., City of Toronto, for the
Technical Standards & Safety Authority
Expires July 24, 2019