

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.: 2315378

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.: 0H20344.51.

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

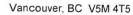
Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number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

Yours truly,

Joanna Karpinski

Tel: 416-734-3377 Fax: 416-231-6183

Email: jkarpinski@tssa.org





Toll Free: 1-866-566-7233 www.technicalsafetybc.ca

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

Date:

May 31, 2018

Account #: 35231 Journal #: 70889

Attn: TANYA FRANCIS

Application for Design Registration

The design, as detailed in your, TSSA SR# 2315378, for a Fitting is accepted for registration as follows:

Registered To: ENGINEERED CONTROLS

INTERNATIONAL LLC

CRN:

0H20344.51

Drawing #: MVE5DA

Drawing Revision: C

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 08, 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@technicalsafetybc.ca Design Administration

cc:



To:	TSSA	From:	Janet Townsend
Company:	Engineered Controls International LLC	Phone:	416-747-4291
Pages:	8	Location:	Toronto
Our File:	ANR-4988	Date:	June 20, 2018

Your File: 2315386

Subject: Request for Design Registration

Dear Ms. Francis,

CSA has reviewed the documentation submitted by TSSA on behalf of Engineered Controls International LLC

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-0H20344.56.

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

Janet TownsendProgram Manager
CSA Group

178 Rexdale Blvd. Toronto, ON, M9W 1R3 Canada

www.csagroup.org



Statutory Declaration Registration of Fittings administered by

(a) Design Qualification
Chad Thomas, V.P of Engineering
(Position eg, president, plant manager, chief eng.) Of Engineered Controls International, LLC
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 agencyUL 9001
The fittings ² covered by this declaration, for which I seek registration, areCategory "月"
In support of the application, the following information, calculations and/or test data are attached: See attached list - mveson
Declared before me at Alamunce County In the of State of North Curo Line And 192018 And 192018 Jennifer Versage Watson Notary Public Rockingham County North Carolina My Commission Expires 03/05/2023
A (commissioner for oeths) Signature of Declarer
For Official Use Only
The application is accepted for registration in Category in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.
This registration must be revalidated after ten (19) years from the date of acceptance. 1144.08-2028
Registered Number CRN CSA - OH 20 3 44, 56 For the Charles Group CSA Group June 13 · 20 18

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

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

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



CRN: CSA - OH 20 3 44.56
PH: (306)798-7112 OII Free: (866)530-8599
FAX: (306)787-9273 Toll Free: (866)760-9255

Email boilerpermits@tsask.ca Website: www.tsask.ca

Safety Authority

FAX: (306)788-7

of Saskatchewan Registration Process administered by

Technical

Statutory Declaration (Registration of Fittings)

	See a Course	1			TSK-1008
. Declar	ation Information				
Chad Ti	homas, V.P of Engineering	. 1500	1115		, show facsimile of r's logo or trademark as it will
~				appear on th	e fitting,
	(company title, e.g. vice preside be in a position of authority in the ma	nufacturing plant where the f		RE	<u> </u>
f: Enginee	ered Controls International, LLC	of manufacturer)	<u> </u>		
cated at:			Eion, NC		27244
outou ut.	(Plant Address - Apt/Street)		(City,Prov)		(Postal Code)
	declare that the fittings lister that the fittings lister to the characters are the chara	d hereinunder, which	are subject to the \$	Saskatchewan B	oiler and Pressure
	ply with the requirements of	(title of recognized North /	American Standard)	which specifies t	· •
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data	which identifies the dimension the ratings, and the marking		·		
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(print name)	kervingage wuts		(Signature)		Jennifer Versage Watson
M 9000	HILMURI MASON)			Notary Public Rockingham County
signature of	Commissioner of Oaths)				North Carolina
				MyC	mmission Expires 03/05/2
Off.					Ammiesian Evalles III/II/1/2
Office I	my knowledge and belief, the a	pplication meets the req	uirements of the <i>Boil</i>	er and Pressure V	
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345 Carlingview Drive
Toronto Critano M9W 6N9
Tel 416 734 3300
Fax 416 231 1625
Toll Free 1 877 682 8772

www.tssa.org

May 15, 2018

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

Service Request Type: BPV-Fitting Registration

Service Request No.: 20

2044344

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.:

0H20344.5

Main Design No.:

Dwg. No. MVE5DA Rev. D. Vent Assembly

Expiry Date:

08-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.

ours July

Mark Valcic P. Eng. Engineer Specialist BPV Tel.: 416-734-3494

Fax: 416-231-1626 Email: <u>mvalcic@tssa.org</u> ATTACHMENT TO

C.R.N. C.SA - OH 20344. C

Signed: 2888 2004

178 Rexide Bodeward, Torerto, UN Canada M9W 1R3

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



March 2017

<u>CRN – Canadian Registration Numbers - Saskatchewan</u>

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.



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 03, 2018

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

Service Request Type.: BPV-National MB

Service Request No.: 2315394

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.: 0H20344.54.

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

500 - 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 International 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
MVE5DA REV. D, VENT ASSEMBLY	0H20344.54	39011

An invoice covering survey and registration fees is enclosed.

NOTE:

- CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: TSSA
- See attached stamped "this is part of CRN" for scope of registration.
- This registration expires May 8, 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.

Yours truly.

Rabie Harb, P. Eng.

Engineer

Office of the Fire Commissioner

Inspection and Technical Services Manitoba

508 - 401 York Avenue

Winnipeg, Manitoba, R3C 0P8

Phone: 204-945-3373

Email: rabie.harb@gov.mb.ca

	VSTAM		,			
Category	Number	Description	Number	Body Number	Body Material	Service
I	MVF5DA-2	Vant Assambly	D DAADET A			Pressure
	1	Veril Assembly	T-147746-0	B-9409-1C	Cast Alloy, UNS C922000, ASTM R61	600
			NAVE13A 3		77	000
			IVIVELSA-3	MVE13A-3	FC Brass, UNS C36000. ASTM R16	900
			450112	450112	Stainless Stanl Disc ASTM And Thomas	000
			1227 67		Stanness Steel Tipe, ASTIVI ASTZ, 1P304L	600
			/C-/CCT	133/-5/	Stainless Steel Pipe, ASTM A312, TP3041	009
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			CC9T-0146-0	B-9410-16SS	Stainless Steel Pipe, ASTM A249, TP304L	600
						1 1



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



STATUTORY DECLARATION Registration of Fittings 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 336-449-7707 (Plant Address) (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 type fittings. In support of this application, the following information and/or test data are attached as follows: SEE ATTACHED LIST - MYE5DA. (drawings, calculations, test reports, etc.) in the afternoon State of With Carlina Declared before me at Jennifer Versage Watson Notary Public Rockingham County Commissioner for Oaths: North Carolina Commission Expires 03/05/2023 Signature of Declarer) FOR OFFICE USE ONLY To the best of my knowledge and belief, the application meets the requirements of the Office of the Fin Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category CRN: Registered by: Dated: NOTE: This registration expires on:



345 Carlingview Drive
Toronto, Ontano M9W 6N9
Tel: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

May 15, 2018

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

Service Request Type: BPV-Fitting Registration

Service Request No.: 2044344

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.: 0H20344.5

Main Design No.: Dwg. No. MVE5DA Rev. D, Vent Assembly

Expiry Date: 08-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 ATTACHMENT TO

C.R.N. C.S.A - CHUC 344. TO

Signed: OBSWELL

178 Rexdale Boulevard, Toronto, UN Canada M9W 1R3

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: Engineered Controls Int	enalizat III	
MANUFACTURERS ADDRESS: 100 Rego Douve, P		
PLANT LOCATIONS: Plan .	lon, NC- 27244	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ON	NE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe of B Flanges: all flanges		
C Valves: all line valves D Expansion joints, flexible connections, and hose assemblies: all types		ASME B31.3
E Strainers, filters, separators, and steam traps		
 F Measuring devices, including pressure gauges, level gauges, sight glass pressure transmitters 	ses, levels, or	
G Certified capacity-rated pressure relief devices acceptable as primary or	ver pressure protection on	
boilers, pressure vessels, piping and fusible plugs Pressure retaining components that do not fall into one of the above cat		
N Nuclear components: Class 1 Class 2 Class 3 (Meeting AEC		
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL	APPEAR ON THE PRODUCT	TYPE OF CONSTRUCTION
1 20 Carlo Sandrich Communication of the Communicat		FORGED EF WELDED D WROUGHT D
		CAST 19 OTHER D
D 0		
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF T	HE ACTUAL ITEMS TO BE REG	ISTERED:
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MVESDA		
DECLARATION:	/	
1 / has Thomas (see note 3) employed by Keal	(CC) and being	the person having full authority and
responsibility for the quality of the end product do solemnly declare the	Bt the information contained i	n this form is the and to the territory
my knowledge represents the product for which registration is sought. temperature ratings, and identification markings are in accordance with	The dimensions materials of	of construction management
manufacture of these fittings is regulated by a Qdality/Control Program	n which extends to each plant	S. I further declare that the
or in part and has been verified by	 as being suitable for that it 	DUITOGE and I make this solome
declaration conscientiously believing it to be true, and knowing that it i	is of the same force and effec	t as if made under oath.
Signature of Declarer		
Declared before me at	Jennifer	Versage Watson
This 20th day of April Ap2018	O S E THISNO	tary Public FOR THE
		nghann Csulety L
Commissioner of Oaths or Notary Public: (sign)		on Expires 03/05/2023
(Affix Official seal to the right)	INI) CONTRACTOR	
	ory Author New As No	ouveau
This registration must be revalidated after ten	(10) years amb lates	VICK
CRN: 0H20344.5	DEPT OF PUBLI	C SAFETY
Ortiv.	BOILER & PRESSUR	E VESSEL ACT
FID#: 1704	DECISIONATIO	
	REGILTRATIO	0 - 1
Notes:	CRN / 101	120344.57
All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statutory Declaration	1/	0
forms and one copy of supporting documentation.	EXAMINER Mu	· Cussin
The declaration shall be made by the person having full authority and responsibility for the quality of the end product.	for	
4. Quality control programs shall be resubmitted for validation	WAS CONTRACTOR AND AND ADDRESS OF THE PARTY	ISPECTOR
at a maximum interval of five (5) years.	DATE 6/8/6	2018
	DAIE	
	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: Engineered Controls Into	national LLC	
MANUFACTURERS ADDRESS: 100 Reso Devive Pl		
PUNITOCATIONS: Elem		
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE	CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe car	os, or reducers	
B Flanges: all flanges C Valves: all line valvas		ASME B31:3
D Expension joints, flexible connections, and hose assemblies: all bross		rsme 8373
E Strainers, filters, separators, and steam trups		1
.F Messuring devices, including pressure gauges, level gauges, sight glasse: pressure transmitters	ı, levels, or	1
G Certified capacity-rated pressure relief devices acceptable as primary over	pressura protection on	
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N Nuclear components: Class 1 □ Class 2 □ Class 3 □, (Meeting AECS	on ACME movies movies	
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declaration conscientiously believing it to be true, and knowing that it is	of the same force and effec	as if made under cath.
Signature of Declarer		***************************************
	Jennifer	Versage Watson
Declared before me at Annual A	USETHISNS	Versage Watson
This 2097 day of April AD2018	O F Racidi	nghann Caupity
Commissioner of Oaths Anna III Africa (IVI Kal)	No	th Carolina
r Notary Public (sign)	My Commissi	on Expires 03/05/2023
(Affix Official seal to the right)		
This space for Regulatory		
This registration must be revalidated after ten (1	D) years from the date of ea	esptance.
CRN: 0H20344.5	R & PRES	SURE
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FID#: 1704	(8/2-	The left
	Date Jun	
Notes:	CRN OHAD	344.58
. All fittings shall be registered in the name of the Manufacturer.	Dwg. as de	scribed
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The declaration shall be made by the person having full authority and	1 0	
esponsibility for the quality of the end product.	1 1	- /)
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NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND	NEWFOUNDLAND AND LABRADOR
	TORON	NORTHWEST TERRITORIES	
MANUFACTURERS NAME	chigineered un	ntrols International LLC	
MANUFACTURERS ADDR	ESS: 100 Repol	Derive Plan Mr - 27244	
PLANT LOCATIONS:	Clon.		
		D. CIRCLE ONE CATEGORY ONLY	TITLE OF THE BYANDARD OF CONSTRUCTION
A Pipe fittinge, including co B Flanges: all flanges	uplings, tess, elbows, Ys, plug	gs, unions, pipe caps, or reducers	
Valvas: ell Ena velvas			ASME B31:3
D Expansion foints, flexible E Strainers, fitters, asparato	connections, and have assem	bles: all types	
F Measuring devices, include	ling pressure gauges, level ga	uges, aight glasses, levels, or	1
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Notes:

1. All fittings shall be registered in the name of the Menufecturer.

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 parson 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.

DATE: _

Hech INSPECTION SERVICES SECTION BOILER-PRESSURE VESSEL BRANCH

UNIFORM STATUTORT PEGLARATION FURM FUR THE REGISTRATION OF FITTING DESIGNS **NEW BRUNSWICK NOVA SCOTIA** PRINCE EDWARD ISLAND **NEWFOUNDLAND AND LABRADOR** NUNAVUT YUKON NORTHWEST TERRITORIES MANUFACTURERS NAME: Engineered Controls International LLC MANUFACTURERS ADDRESS: PLANT LOCATIONS: CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY TITLE OF THE STANDARD OF CONSTRUCTION A Pipe fittings, including couplings, teas, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: ell flanges C Valves: all line valves ASME B31:3 D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, filters, separators, and steam tracs F Measuring devices, including pressure gauges, level gauges, aight glasses, levels, or Dressure transmittens 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 ☐ Class 2 ☐ Class 3 ☐, (Meeting AECB or ASME requirements) SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT TYPE OF CONSTRUCTION FORGED OF WELDED D WROUGHT D E OTHER LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: MVESDA _(may note 3) employed by Keq() 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 Ordelity 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 E THIS NO AT PUBLIC FOR T Declared before me at 2011 O F Rockingham Caualy 1 North Carolina Commissioner of Oath My Commission Expires 03/05/2023 or Notary Public: (sign)

(Affix Official seal to the right) This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance. OH20344.5 Newfoundland Labrador FID#: 1704 Service NL Registered 0H20344.50 Notes. 18 JUNE 2018 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration Engineering and Inspection Services forms and one copy of supporting documentation. 3. The declaration shall be made by the person having full authority and Registered by, responsibility for the quality of the end product. UNDER THE AUTHORITY OF THE 4. Quality control programs shall be resubmitted for validation PUBLIC SAFETY ACT AND at a maximum interval of five (5) years. THE BOILER, PRESSURE VESSEL AND

COMPRESSED GAS REGULATIONS

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NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISL NORTHWEST TERRI		NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME	: Engineered G	in trols Internationa	1 110	
MANUFACTURERS ADDR		Douve, Plan, No		
PLANT LOCATIONS:	Clon.	poure, Plan, No	- 27244	
CATEGORY OF		ED. CIRCLE ONE CATEGORY	ONLY	TITLE OF THE STANDARD OF CONSTRUCT
A Pipe fittings, including co B Flanges: all flanges		gs, unions, pipe caps, or reduce		
C Valves: all line valves D Expansion joints, flexible E Strainers, filters, separate	connections, and hose asser	mblies: all types		ASME B31:3
F Measuring devices, include pressure transmitters	ling pressure gauges, level g	auges, sight glasses, levels, or		
boilers, pressure vessels	, piping and fusible plugs	able as primary over pressure pro	tection on	
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HOW MANUFACTURERS	NAME TRADEMARK OR I	OGO AS IT WILL APPEAR ON 1	uirements)	
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ared before me at		U S E	Jennifer THIS	Versage Watson RaPy Public FOR THE
20th day of A	npril ad20	18	O F Rokki	nghann Cauply
missioner of Oaths otary Public: (sign)	(Affix Official seal to the right		No My Commiss	orth Carolina ion Expires 03/05/2023
) pace for Regulatory Authority use		
This	registration must be revali	dated after ten (10) years from	n the date of a	Coentance
N: 0H20344.5		(12, , , 2 - 2)		
1704		6	<u> </u>	

0H20344.5

6/11/2018

FID#: 1704

Notes:

All fittings shall be registered in the name of the Manufacturer.
 Each category shall be supported with two Statutory Declaration

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 NOVA SCOTIA** PRINCE EDWARD ISLAND NEWFOUNDLAND AND LABRADOR NUNAVUT YUKON NORTHWEST TERRITORIES MANUFACTURERS NAME: Engineered Controls International. MANUFACTURERS ADDRESS: 100 Roso Derive Flon NC- 27244 PLANT LOCATIONS: Clon CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY TITLE OF THE STANDARD OF CONSTRUCTION A Pipe fittings, including couplings, toos, sibows, Ye, plugs, unlons, pipe caps, or reducers B Flanges: all flanges C Valves: all line valves ASME B31.3 D Expension joints, flexible connections, and hose assembles: all types
E Strainers, filters, separators, and steam traps
F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or creditmented orugania G Confined capacity-rated pressure relief devices acceptable as primary over pressure protection on bollers, pressure vessels, piping and fusible plugs.

If Pressure retaining components that do not fell into one of the above categories. N Nuclear components: Class 1 🗆 Class 2 🗆 Class 3 🗆, (Meeting AECB or ASME requirements) SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT WEE OF CONSTRUCTION POROLD S. WELDED C WROUGHT D CAST O OTHER D DESCREE OTHER: LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: MUESDA DECLARATION: homes and being the person having full authority and (see note 3) employed by responsibility for the quality of the end product do solemnly degrate 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 Odelity Coatrol Program which extends to each plant where fabrication occurs in whole as being suitable for that purpose and I make this solemn or in part and has been vertied by effeving it to be true, and knowing that it is of the same force and effect as if made under oath. declaration conscientiousists Signature of Declare E THIS Note by Proble FOR THE Declared before me at 20th O F Rockingham Couply L North Carolina Commissioner of Oath My Commission Expires 03/05/2023 or Notary Public: (sign) (Affix Official soul to the right) This space for Regulatory Authority use This registration must be revalidated after len (10) years from the date 163.9 OH20344.5 Northw FIDS: 1704

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 euthority and responsibility for the quality of the end product.

4. Quality control programs shall be resubmitted for validation of a maximum interval of five (5) years.

Torritories REGISTERED

UNDER THE AUTHORITY OF THE BOILER AND PRESSURE VESSEL ACT.

C.R.N. 0H20344.5

SIGNED DATE_ June 14

201

To:ACI Central ;8678730117

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	TION OF FITTING DESIGNS NEWFOUNDLAND AND LABRADOR
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Certified capacity-rated pre	ssure relief devices acceptable	le as primary over pressure protection on	
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This registration must be revalidated after ten (b) years, from the date of scoeptance.

CRN: OH20344.5

FIDM: 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.

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

January 22, 2019

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

Service Request Type.: BPV-National AB

Service Request No.: 2314500

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.: 0H20344.52.

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



9410 - 20 Ave N.W. Edmonton, Alberta, Canada T6N 0A4

Tel: (780) 437-9100 / Fax: (780) 437-7787

December 14, 2018

Attention: Joanna Karpinski

Email: JKarpinski@tssa.org

TECHNICAL STANDARDS & SAFETY AUTHORITY

345 CARLINGVIEW DRIVE TORONTO, ON M9W 6N9

The design submission, tracking number 2018-03482, originally received on May 30, 2018 was surveyed and accepted for registration as follows:

CRN: 0H20344.52

Accepted on: December 14, 2018

Reg Type: NEW DESIGN

Expiry Date: May 08, 2028

Drawing No.: MVE5DA VENT ASSEMBLY Rev D

Fitting type: ASSEMBLY

Design registered in the name of : ENGINEERED CONTROLS INTERNATIONAL LLC

DescriptionMAWPDesign TemperatureMDMTInternal Pressure4137kPa71 °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.

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

Enclosed are stamped prints for your reference.

nglim

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3388 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

1,	Chad Thomas	V.P of Engine	ering	manufacturer's logo or trademark as it will appear on the fitting.
of	(name of applicant) Engineered Controls Internation		e in a position of authori	DECOR
loca	ted at 100 Rego Drive, Elon - 2		1	REGU
	olemnly declare that the fittings listed ock one)	nt address) hereunder, which a	re subject to the Sa	fety Codes Act
×	comply with the requirements of	ASME B31.	3 wh	ich specifies the dimensions,
		tle of recognized North A	merican Standard)	
	materials of construction, pressure	e/temperature rating	s and identification	marking of the fittings, or
	are not covered by the provisions o	of a recognized Nort	h American standar	d and are therefore manufactured
	to comply with			as supported by the attached
	(title of code of co	onstruction or other appl	icable document)	
	data which identifies the dimension	s, materials of cons	struction, pressure/te	emperature ratings and the basis
	for such ratings, and the marking o	f the fittings for ider	ntification.	
I furt	her declare that the manufacture of th	ese fittings is contro	olled by a quality co	ntrol program which has been
	ied by the following authority, ISO 9			itable for the manufacture of these
	gs to the stated standard. The fittings			
	tegory "Ch"	covered by this dec	Jaration, for windin	seek registration, are
Ou		f description of fittings)		
In su	apport of this application, the following		ations and/or test da	ta are attached:
	e attached list - mve5pA	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		
36	e attached list = MIVESDA .			
DEC	LARED before me at Coity)	in the St	tte of	Mo An Carolina (province or state)
this	20th day of ADY)	. 201	8	Jennifer Versage Watson
	Mont	h) (Ye	ar)	Notary Public
(prin	o Jennifor Versage W	itson	01	Rockingham County North Carolina
((a Commissioner of Oaths or Nolary Pub	lic)	/ W/ XM	Commission Expires 03/05/2023
(sign	HOURWINDLY LIVED	\mathcal{U}_{-}	(Not	Vins
	(a Commissioner of Offins or Notary Publ	lic)	(signa	ture of applicant)
For A	ABSA Office Use Only:		1	
TON	ES:			
	e best of my knowledge and belief, the dard B51, Clause 4.2, and is accepted			f the Safety Codes Act and CSA
Regis	stration Number: 0 H 2 0 3 4	4 . 5 4	110	M
Date	Registered: 7018-12-14			e of the Administrator/SCO) 2028-12-14

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.: 2314520

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.: 0H20344.59870YTN.

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

	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME	Engineered Con	trols International LLC	
MANUFACTURERS ADDRES	S: 100 Reen [
PLANT LOCATIONS:	lon .	Desire. Plan, 101- 27244	
		D. CIRCLE ONE CATEGORY ONLY	THE OF THE STANDARD OF CONSTRUCTO
B Flanges: all flanges C Valves: sil Ene valves D Expansion joints, flexible cor E Strainers, filters, separators, F Measuring devices, including pressure transmitters	nnections, and hose assement staam traps pressure gauges, level gauges,	ugos, alght glasses, levels, or ble as primary over pressure protection on	ASME B31:3
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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 doctaration shall be made by the parson 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.

INSPECTION SERVICES SECTION
BOILER PRESSURE VESSEL BRANCH

& REGULATIO

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK

NOVA SCOTIA

PRINCE EDWARD ISLAND

NEWFOUNDLAND AND LABRADOR

06-08-2018

NUMAYUT YUKON NORTHWEST T		
MANUFACTURERS NAME: Engineered Controls Internat	ional. LLC	
100 Keen Drive, Plan	MC- 27244	
<(0)		
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATE A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or a B Flanges: all flanges C Valves: all file 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, level pressure transmitters G Certified capacity-rated pressure relief devices acceptable as primary over pressibilities, pressure vessels, piping and fusible plugs M Pressure retaining components that do not fall into one of the above categories	ts, or ura protection on	ASME B31:3
N Nuclear-components: Class 1 🗆 Class 2 🗆 Class 3 🗇, (Meeting AECB or AS	ME requirements)	
SHOW MANUFACTURERS NAME, TRADENARK, OR LOGO AS IT WILL APPEA	R ON THE PRODUCT	TYPE OF CONSTRUCTION FORGED EP WELDED () WROUGHT () CAST (S) OTHER () DESCRIBE OTHER
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACT	UAL ITEMS TO BE DEC	HETEREN.
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(Alma Official seal to the right) This space for Regulatory Auth This registration must be revalidated after ten (10) yes. RN: OH20344.5 ID#: 1704 otes: All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statutory Declaration rms and one copy of aupporting documentation.	OTER NOWS C.R.N. OH 20 Day de de	E DITO
The declaration shall be made by the person having full authority and appointed by the product. Quality control programs shall be resubmitted for validation a maximum interval of five (5) years.	Pa Pa	1 /5)

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: Engineered Controls Into	and timal 110
MANUFACTURERS ADDRESS: 100 Rego Derive, C	
PLANT LOCATIONS: Clon.	m, Nr- 24244
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ON	E CATEGORY ONLY TITLE OF THE STANDARD OF CONSTRUCTION
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe of	aps, or reducers
B Flanges: all fianges C Valves: all line valves	ASME B31.3
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 glass	es levels or
pressure transmitters	
G Certified capacity-rated pressure relief devices acceptable as primary ov boilers, pressure vessels, piping and fusible plugs	er pressure protection on
H Pressure retaining components that do not fall into one of the above cate	
N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐, (Meeting AEC	
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL	
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	DESCRIBE OTHER
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF TH	JE ACTUAL ITEMS TO DE DECISIONE
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7,1450011	
DECLARATION:	(m)
(see note 3) employed by Kego	and being the person having full authority and
esponsibility for the quality of the end product do solemnly decigre th	It the information contained in this form is true and to the best of
ly knowledge represents the product for which registration is sought.	The dimensions, materials of construction pressure
emperature ratings, and identification markings are in accordance with	th the herein named standards. I further declare that the
nanufacture of these fittings is regulated by a Ordality Control Program	as being suitable for that purpose and I make this solemn
eclaration conscientiously believing it to be true, and knowing that it	is of the same force and effect as if made under oath.
1017	
ignature of Declarer	Jennifer Versage Watson
eclared before me at	USETHIS NO APY PUBLE FOR THE
nis 20th day of April AD2018	O F Rockingbarn Cauety
ommissioner of Oaths ALLIAM TO LIVING	North Carolina
Notary Public: (sign)	My Commission Expires 03/05/2023
(Affix Official seal to the right)	D
	ory Autho New As Notiveau
This registration must be revalidated after ten	(10) years am bullala Stateplace
0420344 5	DEPT OF PUBLIC SAFETY
CRN: 0H20344.5	BOILER & PRESSURE VESSEL ACT
ID#: 1704	
IUM:	REGISTION ONLY
	CRN / 10H20344.57
otes:	CRN / 10 H 2039 4 . 34
All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statutory Declaration	1/2. 10
orms and one copy of supporting documentation.	EXAMINER THE COMPANY OF THE COMPANY
The declaration shall be made by the person having full authority and esponsibility for the quality of the end product.	°or
Quality control programs shall be resubmitted for validation	CHE HILER INSPECTOR
a maximum interval of five (5) years.	
	6/8/2018
	DATE 6/8/2018
	DATE 6/8/2018 BLRS PVS

UNITEDIOR STATUTORT DEGLARATION FURM FUR THE REGISTRATION OF FITTING DESIGNS **NEW BRUNSWICK** NOVA SCOTIA PRINCE EDWARD ISLAND NEWFOUNDLAND AND LABRADOR NUNAVUT YUKON NORTHWEST TERRITORIES MANUFACTURERS NAME: Engineered Controls International MANUFACTURERS ADDRESS: PLANT LOCATIONS: CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY TITLE OF THE STANDARD OF CONSTRUCTION A Pipe fittings, including couplings, teas, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges ASME B31.3 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 Pressure retaining components that do not fall into one of the above categories N Nuclear components: Class 1 🗍 Class 2 🗎 Class 3 🗋, (Meeting AECB or ASME requirements) SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT TYPE OF CONSTRUCTION FORGED OF WELDER D WINDUGHT D CAST TO OTHER D DESCRIBE OTHER: LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: MVESDA DECLARATION: (see note 3) employed by Keg 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 declars that the manufacture of these fittings is regulated by a Ordality/Cogtrol Program which extends to each plant where fabrication occurs in whole or in part and has been verified by 1 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 E T H I S Not ally Public FOR T 20th O F Rockingham Cauely L

Commissioner of Oath

or Notary Public: (sign)

1704

FID#:

OH20344.5

All fittings shall be registered in the name of the Menufacturer.
 Each category shall be supported with two Statutory Declaration

4. Quality control programs shall be resubmitted for validation

3. The declaration shall be made by the person having full authority and

forms and one copy of supporting documentation.

responsibility for the quality of the end product.

at a maximum interval of five (5) years.

(Affix Official seal to the right)

This space for Regulatory Authority use

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

North Carolina

My Commission Expires 03/05/2023

Newfoundfand Labrador

Service NL
Registered 0H20344.50
Date 18 JUNE 2018

UNDER THE AUTHORITY OF THE

PUBLIC SAFETY ACT AND

THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS

Engineering and Inspection

Registered by

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: Engineered Controls International	LLC
MANUFACTURERS ADDRESS: 100 Resp Derive Plan 125	
PONTEUCATIONS: Clon.	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ON	LY IITLE OF THE STANDARD OF CONSTRUCTS
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges: all flanges C Valves: all fine 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 protections, pressure vessels, piping and fusible plugs	ASME B.31:3
H Pressure retaining components that do not fall into one of the above categories	
N Nuclear components: Class 1 ☐ Class 2 ☐ Class 3 ☐, (Meeting AECB or ASME require	ements)
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE	PRODUCT TYPE OF CONSTRUCTION FORGED BY WELDED IN WROUGHT IN CAST IN OTHER IN DESCRIBE OTHER
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lotes: All fittings shall be registered in the name of the Manufacturer. Each category shall be supported with two Statutory Declaration	120344.5V 5/11/2018

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
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7110578788;

To:ACI Central

08-13-18;23:43 ;From:

NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	TION OF FITTING DESIGNS NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME:	Engineered Gov	ntrols International, LLC	
MANUFACTURERS ADDRES		Douve, Plan, NC- 2724	
	lon.		14
CATEGORY OF FIT	TINGS TO BE REGISTERS	D. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTO
A Pipe fittings, including coupl B Fianges: all flanges	ings, tees, elbows, Ys, plug	s, unions, pipe caps, or reducers	
C Valves: all line valves			ASME B31:3
D Expansion joints, flexible cor E Strainers, filters, separators,	and steam trans		
F Measuring devices, including pressure transmitters	pressure gauges, level gat	uges, sight glasses, levels, or	
G Certified capacity-rated press	sure relief devices acceptab	ole as primary over pressure protection on	
bollers, pressure vessels, pla H Pressure retaining componen	and health aluce		
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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.: 2315378

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.: 0H20344.51.

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



Vancouver, BC V5M 4T5

Toll Free: 1-866-566-7233 www.technicalsafetybc.ca

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

Date:

May 31, 2018

Account #: 35231 Journal #: 70889

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2315378, for a Fitting is accepted for registration as follows:

Registered To: ENGINEERED CONTROLS

INTERNATIONAL LLC

CRN:

0H20344.51

Drawing #: MVE5DA

Drawing Revision: C

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:

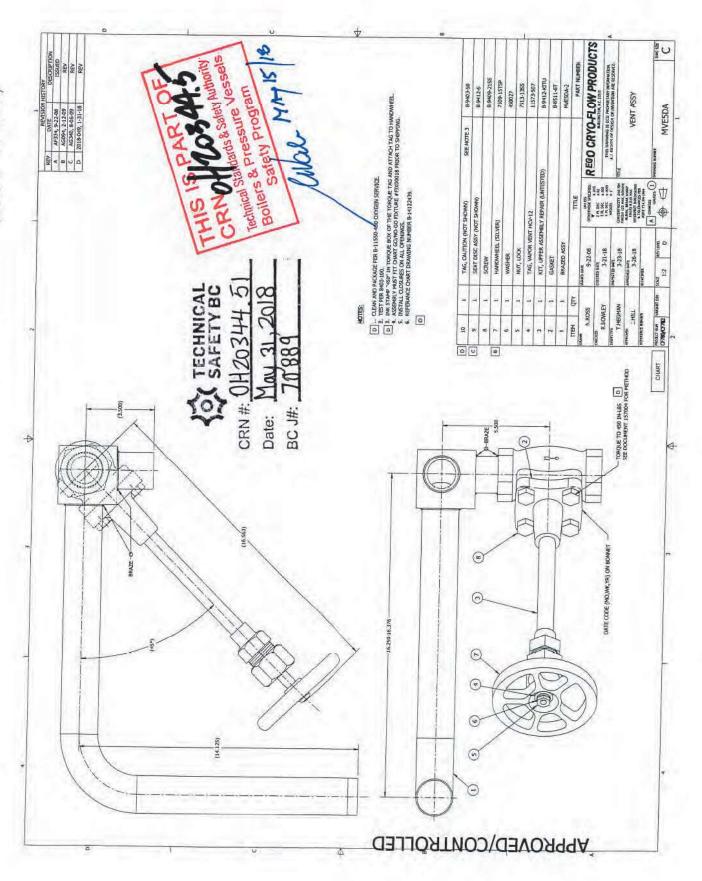
As required by CSA B51 4.2.1, this registration expires on May 08, 2028. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid quality control program verified by an acceptable third-party agency until that date. Should the certification of the quality control program 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@technicalsafetybc.ca
Design Administration

cc:





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

September13, 2018

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

Service Request Type.: BPV-National CSA

Service Request No.: 2315386

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-0H20344.56.

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 c-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 Statutory Declaration Registration of Fittings ocess administered by

(a) [Design Qualification
11	Chad Thomas, V.P of Engineering
Of _	Engineered Controls International, LLC
	(name of company)
Locat	
	(plant address)
do so	lemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:
X	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
	data.
(b) C	Quality control of Manufacture
I furth	er declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of
The fit	ttings ² covered by this declaration for which I seek registration are
THE III	unigs covered by this decial attorn, for which it seek registration, are
n sup	
	A CONTRACTOR OF THE CONTRACTOR
Declar	
n the	
. /	Rockingham county
He -	Engineered Controls International, LLC (name of company) ated at 100 Rego Drive, Elon, NC - 27244 USA (plant address) 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: are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with
AD	
190	A (commissioner for oaths) Signature of Declarer ³
/	Fac Official Hap Only
	application to accepted to region and in consider
CSA	A Standard B51.
This	registration must be revalidated after ten (19) years from the date of acceptance.
216.00%	Togota and The Control of the Contro
	004-011-02111-01
Regi	istered Number CRN CSA- OH20344.S6 For the Chief Inspector A. BANWATT
	Date June 13.2018

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

12

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

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

REGISTERED



CRN: CSA-07120344.56

Registration Process administered by CSA Group per CSA B51

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

gned: askwalt

13 Jane 2018

10

MAY OF LUE

T- 0 (1) 1

Committee assessment

2202 2nd Ave. Regina, SK S4R 1K3

Safety Authority ration Process administered by FAX: (306)798-7112 Toll Free: (866)530-8599 of Saskatchewan Group per CSA B51

Regina, 38 348 183
PH: (306)798-7112 Toll Free: (866)530-8599
9273 Toll Free: (866)5760-9255
Email: boilerpermits@tsask.ca
Website: www.tsask.ca

Statutory Declaration (Registration of Fittings)

Technical

I. Declara				TSK-1008
	ation Information			
, Chad Th	omas, V.P of Engineering			In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.
	be in a position of authority in the ma	Description of the second	er) ng is produced)	REGO®
f: Engineer	red Controls International, LLC (name	of manufacturer)		
ocated at:	100 Rego Drive	- · · · · · · · · · · · · · · · · · · ·	Elon, NC	27244
Jourca at.	(Plant Address - Apt/Street)		(City,Prov)	(Postal Code)
	declare that the fittings listenty Act (check one)	ed hereinunder, which a	re subject to the Saska	atchewan Boiler and Pressure
O Comp	ly with the requirements of	ASME B31.3	whic	h specifies the dimensions,
	ials of construction, pressur	(title of recognized North Am	nerican Standard)	
28 P. P. S.	ot covered by the provisions nply with	of a recognized North		d are therefore manufactured as supported by the attached
	which identifies the dimension oh ratings, and the marking			erature ratings and the basis
erified by th	are that the manufacturer of the following authority, <u>UL 90</u> to the stated standard.	001	as being	g suitable for the manufacturer
support of	this application, the following	ng information, calculation	ons and / or test data a	re attached:
		ig initiality of calculation		
dee allaci	ned list - mvt5DA			
	ation	ECHALDICUSA		
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. Declara	before me at Alamance	Covery In the S		of North Carolina
Declarated Land	before me at Alamance day of April	0	rate, Bus	Jennifer Versage Walson
Declarated Land	before me at Alamance	0		Jennifer Versage Walson Notary Public
Declara ECLARED is 2047	before me at Alamance day of April	0	2018 W/7	Jennifer Versage Walson Notary Public Rockingham County
Declara ECLARED is 2047 Thirt name	before me at Alamance day of April	0	2018 W/7	Jennifer Versage Walson Notary Public
Declaration Declar	before me at Alamance day of April fevoluscy wat sur Limited Commissioner of Oaths)	0	2018 W/7	Jennifer Versage Walson Notary Public Rockingham County North Carolina
Declarate Declar	day of April ferrusay Watsur Commissioner of Oaths) Jse Only my knowledge and belief, the a	application meets the requi	, BAS (Signature)	Jennifer Versage Walson Notary Public Rockingham County North Carolina My Commission Expires 03/05/2
Declarate Declar	before me at AlaMance day of April fence wat sur wat s	application meets the requi	, BAS (Signature)	Jennifer Versage Walson Notary Public Rockingham County North Carolina

A. BANWATT

(For the Administrator / Chief Inspector)

REGISTERED



CRN: C5A- OH20344.86

TO AND THE OWNER OF MALE

Registration Process administered by CSA Group per CSA B51

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

Signed: GERWELL

COMPANY AMERICA

Data: 13 June 2018

MARIE STANK



345 Carlingview Drive Toronto, Ontano M9W 6N9 Tel. 416.734.3300 Fax: 416.231.1626 Tall Free. 1.877.682.8772

www.tssa.org

May 15, 2018

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

Service Request Type: BPV-Fitting Registration

Service Request No.: 2044344

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.: 0H20344.5

Main Design No.: Dwg. No. MVE5DA Rev. D, Vent Assembly

Expiry Date: 08-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,

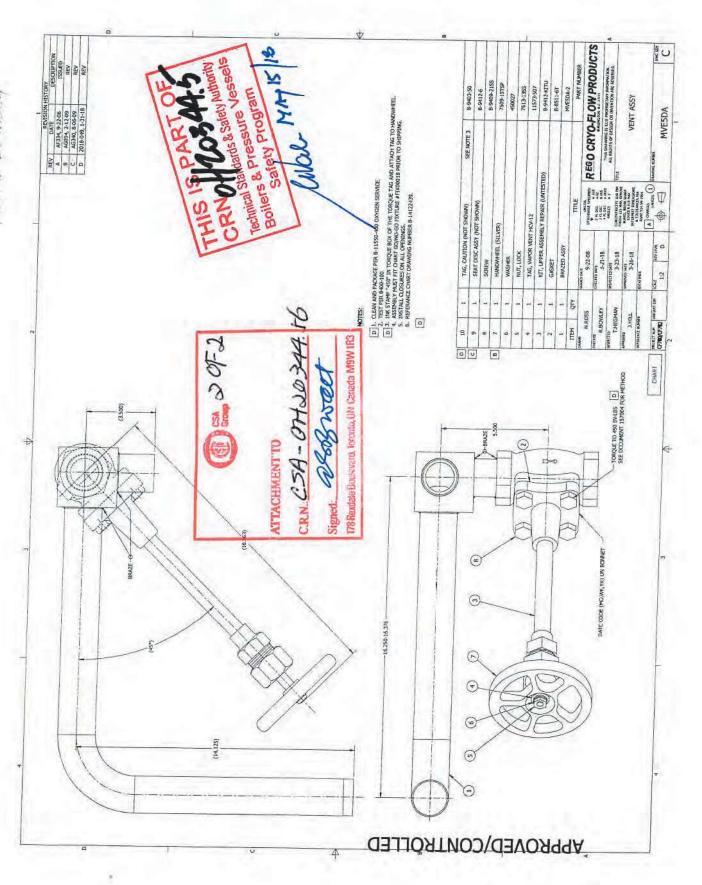
Mark Valcic P. Eng. Engineer Specialist BPV Tel.: 416-734-3494

Fax: 416-231-1626 Email: mvalcic@tssa.org ATTACHMENT TO

C.R.N. C.S.A. - C.H.J.O.344.56

Signed: OBSWELL

178 Rexdate Boulevard, Toronto, UN Canada M9W IR3





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 03, 2018

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

Service Request Type.: BPV-National MB

Service Request No.: 2315394

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.: 0H20344.54.

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 500 - 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 International 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
MVE5DA REV. D, VENT ASSEMBLY	0H20344.54	39011

An invoice covering survey and registration fees is enclosed.

NOTE:

- CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: TSSA
- See attached stamped "this is part of CRN" for scope of registration.
- This registration expires May 8, 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.

Yours truly,

Rabie Harb, P. Eng.

Engineer

Office of the Fire Commissioner

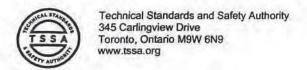
Inspection and Technical Services Manitoba

508 - 401 York Avenue

Winnipeg, Manitoba, R3C 0P8

Phone: 204-945-3373

Email: rabie.harb@gov.mb.ca



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



STATUTORY DECLARATION Registration of Fittings 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 336-449-7707 (Plant Address) (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 type fittings. In support of this application, the following information and/or test data are attached as follows: SEE ATTACHED LIST - MYESDA . (drawings, calculations, test reports, etc.) in the afternoon State of North Carolina Declared before me at Jennifer Versage Watson Notary Public Rockingham County Commissioner for Oaths: North Carolina commission Expires 03/05/2023 ignature of Declarer) FOR OFFICE USE ONLY To the best of my knowledge and belief, the application meets the requirements of the Office of the Fire Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category CRN: Registered by: Date: 2018 Dated: NOTE: This registration expires on:



Geo/Na Garbacz, a Commissioner, erc City of Toronto, for the Technical Standards & Safety Authority Expires June 17 202

