



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 15, 2018

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

Service Request Type: BPV-Fitting Registration

Service Request No.: 2044354

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.: 0H20346.5

Main Design No.: Dwg. No. MVE11CD, Vent Assembly

Expiry Date: 15-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

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

TSSA # 2044354

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) 2044354 NAT 2044858
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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	Contact Name:
E-mail: cthomas@regoproducts.com	E-mail:
Job No./Reference:	Purchase Order No.:
Drawing/Catalog No.:	
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)
OH/20346.5



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

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 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 H type fittings. In support of this application, the following information and/or test data are attached as follows:

SEE ATTACHED LIST MVE11CP
(drawings, calculations, test reports, etc.)

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

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

Commissioner for Oaths:

Jennifer Versage Watson
(Printed name)
[Signature]
(Signature)

[Signature]
(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: OH20346.5

Registered by: MARK VALCIC, P. ENG.

Dated: MAY 15, 2018

NOTE: This registration expires on: MAY 15, 2028

Technical Standards and Safety Authority Boilers and Pressure Vessels Safety Program

REGISTERED

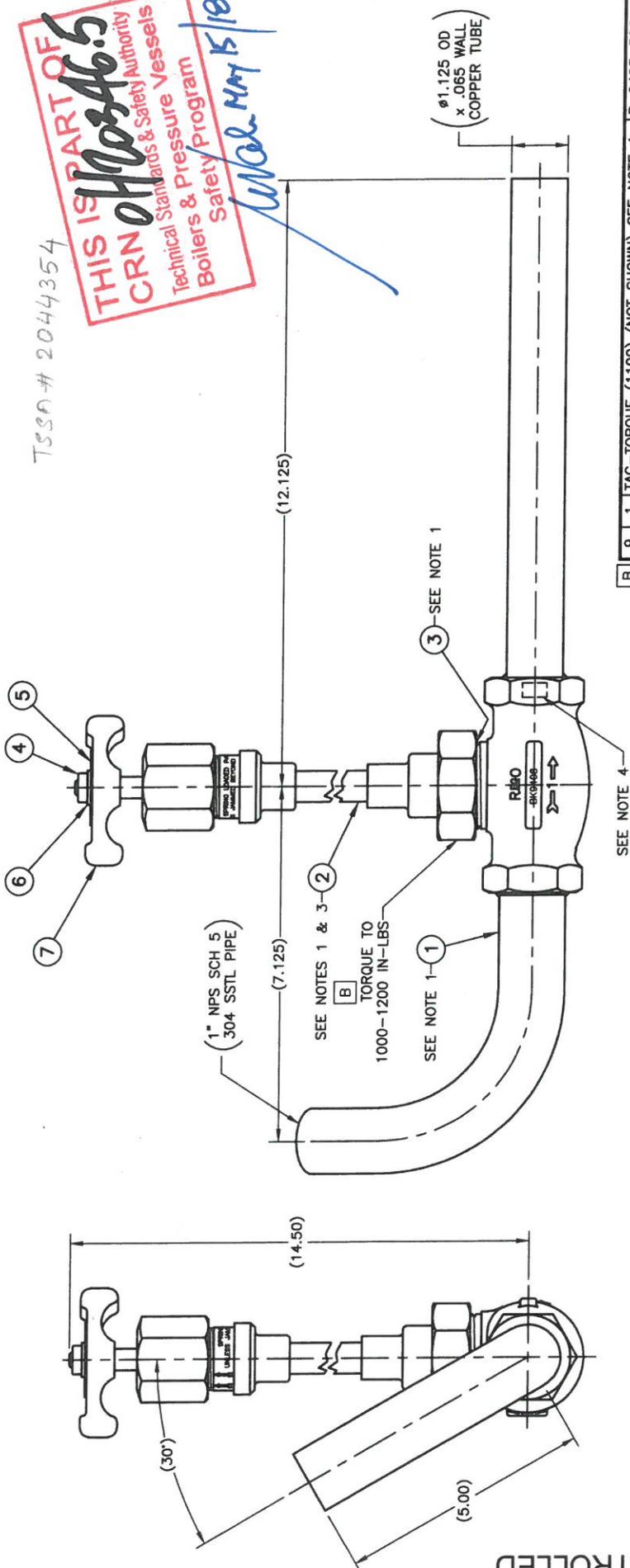
CRN: OH20346.5

Signed: [Signature]

Date: MAY 15, 2018

TSSA # 2044354

THIS IS PART OF
CRN of Ho346.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program
Under May 15/18



APPROVED/CONTROLLED

- NOTES:
- ITEMS 1 & 2 TO BE CLEANED PER ITEM DRAWINGS.
 - ITEM 3 TO BE CLEANED PER B-11550-400.
 - STAMP DATE (MO.WK.YR) USING .13 STD. FIGURES ON BONNET AND ON VALVE BODY.
 - ATTACH TORQUE TAG TO HANDWHEEL/STEM.
 - INSTALL CLOSURES ON ALL OPENINGS.
 - ENCLOSE MANIFOLD ASSEMBLY AND OXYGEN CLEAN SPECIFICATION LABEL IN A PLASTIC BAG. SEAL BAG IN A TAMPER EVIDENT MANNER.
 - REFERENCE CHART'S DRAWING B-13020561.

B	9	1	TAG-TORQUE (1100) (NOT SHOWN)	SEE NOTE 4	B-9403-50C
C	8	1	SEAT DISC ASSY (NOT SHOWN)		B-9408-7
	7	1	HANDWHEEL - GREEN		2507-15GP
	6	1	WASHER		450028
	5	1	TAG V-11 PRODUCT SUPPLY		11573-512
	4	1	LOCKNUT		7505A-13SS
	3	1	GASKET		B-9408-1
	2	1	UPPER ASM (UNTESTED)		B-9408-KITU
	1	1	BRAZED ASM		MVE11CD-2
			DESCRIPTION		NUMBER
REGO CRYO-FLOW PRODUCTS BURLINGTON, NC					
<small>THIS DRAWING IS NOT PROPRIETARY INFORMATION ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED</small>					
DRAWN	ENGINEER	APPROVED	TITLE		
CHECKED	SCALE	ORIGINAL DATE	VENT ASSY		
	OTHERWISE SPECIFIED:	REVISION	DRAWING NO. MVE11CD		
	2 PL. DEC. ± .015	8-03-05	DWG. SIZE B		
	3 PL. DEC. ± .005				
	ANGLES ± 1°				
	CONCENTRICITY ± .1"				
	FINISH 125 MAX				
	REMOVE BURRS, BREAK SHARP EDGES R.015, MAX.				



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CANADA M9W 6N9
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July 20, 2018

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

Service Request Type.: BPV-National AB
Service Request No.: 2314026
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.: 0H20346.52.

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

June 27, 2018

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

Email: JKarpinski@tssa.org

The design submission, tracking number 2018-03459, originally received on May 29, 2018 was surveyed and accepted for registration as follows:

CRN : 0H20346.52

Accepted on: June 27, 2018

Reg Type: NEW DESIGN

Expiry Date: May 15, 2028

Drawing No. : MVE11CD Rev 9 As Noted

Fitting type: ASSEMBLY

Design registered in the name of : ENGINEERED CONTROLS INTERNATIONAL LLC

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.

Brazing shall be in compliance with code of construction.

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 of Engineered Controls International, LLC. located at 100 Rego Drive, Elon - 27244, NC, USA



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, 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...

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

In support of this application, the following information, calculations and/or test data are attached: See attached list - MVE11CD

DECLARED before me at Elon in the State of North Carolina this 20 day of April 2018. Jennifer Versage Watson (Notary Public) and Chad Thomas (signature of applicant)

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: OH20346.52 Date Registered: 2018-06-27 Expiry Date: 2028-05-15



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.: 2314036
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.: 0H20346.59870YTN.

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 Control 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	TITLE OF THE STANDARD OF CONSTRUCTION
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)	<u>ASME B31.3</u>
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
	TYPE OF CONSTRUCTION
	FORGED <input checked="" 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>MVELCD</u>	

DECLARATION:

I Ehad Thomas (see note 2) 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: [Signature]

Declared before me at Alamance County, North Carolina

This 20 day of April AD 2018

Commissioner of Oaths or Notary Public: [Signature]

(Affix Official seal to the right)

USE THIS SPACE FOR THE OFFICIAL SEAL

Jennifer Versaga 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 ACCEPTED

CRN: 0H20346.5

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.

PROVINCE OF PRINCE EDWARD ISLAND
COMMUNITIES, LAND & ENVIRONMENT

C.R.N. 0H20346.59

DATE: June 8 2018

[Signature]
INSPECTION SERVICES SECTION
BOILER-PRESSURE VESSEL BRANCH

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, Elton NC-27244</u>	
PLANT LOCATIONS: <u>Elton</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>MVEIICD</u>	

DECLARATION:

I, Edward Thomas (see note 2) 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)

USE 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: 0H20346.5
 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.

BOILER & PRESSURE VESSEL
 NOVA SCOTIA
 Date June 8/18
 C.R.N. 0H20346.58
 Dwg. as described
 Signed Yvonne Perry
1 of 1
 Part
 ACT & REGULATIONS

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>	
<p align="center">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 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)</p>	<p align="center">TITLE OF THE STANDARD OF CONSTRUCTION</p> <p align="center"><u>ASME B31.3</u></p>
<p>SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT</p> <p align="center"></p>	<p align="center">TYPE OF CONSTRUCTION</p> <p>FORGED <input type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:</p>
<p>LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:</p> <p align="center"><u>MVE11CD</u></p>	

DECLARATION:
 I Ehad Thomas (see note 3) employed by ECE 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: [Signature]
 Declared before me at Alamance County, North Carolina
 This 20 day of April AD 2018
 Commissioner of Oaths or Notary Public: (sign) [Signature]
 (Affix Official seal to the right)

USE 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 issuance.

CRN: 0H20346.5
 FID#: 1704

Brunswick
 DEPT OF PUBLIC SAFETY
 BOILER & PRESSURE VESSEL ACT

REGISTRATION ONLY

CRN 0H20346.57
 EXAMINER [Signature]
 or
 CHIEF INSPECTOR

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.

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, 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 align="center" style="font-size: 1.2em;">ASME B31.3</p>
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
REGO®	TYPE OF CONSTRUCTION FORGED <input checked="" 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:	
MVE11CD	

DECLARATION:
 I Ehad 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: [Signature]
 Declared before me at Alamance County, North Carolina
 This 20 day of April AD 2018
 Commissioner of Oaths or Notary Public: (sign) [Signature]
 (Affix Official seal to the right)

USE 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>OH20346.5</u> FID#: <u>1704</u>	 Registered <u>OH20346.50</u> Date <u>14 JUNE 2018</u> Engineering and Inspection Services Registered by <u>[Signature]</u> UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT AND THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS
--	--

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 NOVA SCOTIA PRINCE EDWARD ISLAND NORTHWEST TERRITORIES NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: Engineered Controls International - LLC
 MANUFACTURERS ADDRESS: 100, Rego Drive, Elm NC 27244
 PLANT LOCATIONS: Elm

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 Class 2 Class 3 (Meeting AECB or ASME requirements)

SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT

REGO®

TYPE OF CONSTRUCTION
 FORGED WELDED WROUGHT OTHER DESCRIBE OTHER

Asme B31.3

LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:

M V E I I C D

DECLARATION:

I, Eliad Thomas (less than 21) employed by ECL 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 on the 20 day of April AD 2018
 Commissioner of Courts or Notary Public: (sign) _____
 (Affix Official seal if the right)

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: OH20346.5
 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 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 fuel gas 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 align="center">ASME B31.3</p>
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: <p align="center">MVE11CD</p>	

DECLARATION:
 I, Robert 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: [Signature]
 Declared before me at Alamance County, North Carolina
 This 20 day of April AD 2018
 Commissioner of Oaths or Notary Public: (sign) [Signature]
 (Affix Official seal to the right)

USE 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: OH20346.5
 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.


 Northwest Territories
REGISTERED
 UNDER THE AUTHORITY OF
 THE BOILER AND PRESSURE
 VESSEL ACT.
 C.R.N. OH20346.57
 SIGNED [Signature]
 DATE June 14/ 2018

92.00

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>	
<p align="center">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 align="center">TITLE OF THE STANDARD OF CONSTRUCTION</p> <p align="center" style="font-size: 1.2em;">ASME B31.3</p>
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
REGO®	<p align="center">TYPE OF CONSTRUCTION</p> <p>FORGED <input checked="" type="checkbox"/> WELDED <input type="checkbox"/> WROUGHT <input type="checkbox"/> CAST <input type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:</p>
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:	
MVE11CD	

DECLARATION:
 I, Ehad 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)

USE 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>OH20346.5</u>	 NUNAVUT Boilers and Pressure Vessels Act
FID#: <u>1704</u>	
<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>REGISTERED</p> <p>CRN <u>OH20346.5N</u></p> <p>Date <u>June 08, 2018</u></p> <p>Signed _____ Chief Inspector</p>	
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.: 2314044
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.: 0H20346.51.

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 #: 70862

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2314044, for a Fitting is accepted for registration as follows:

Registered To: ENGINEERED CONTROLS INTERNATIONAL LLC **CRN:** 0H20346.51

Drawing #: MVE11CD

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 15, 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

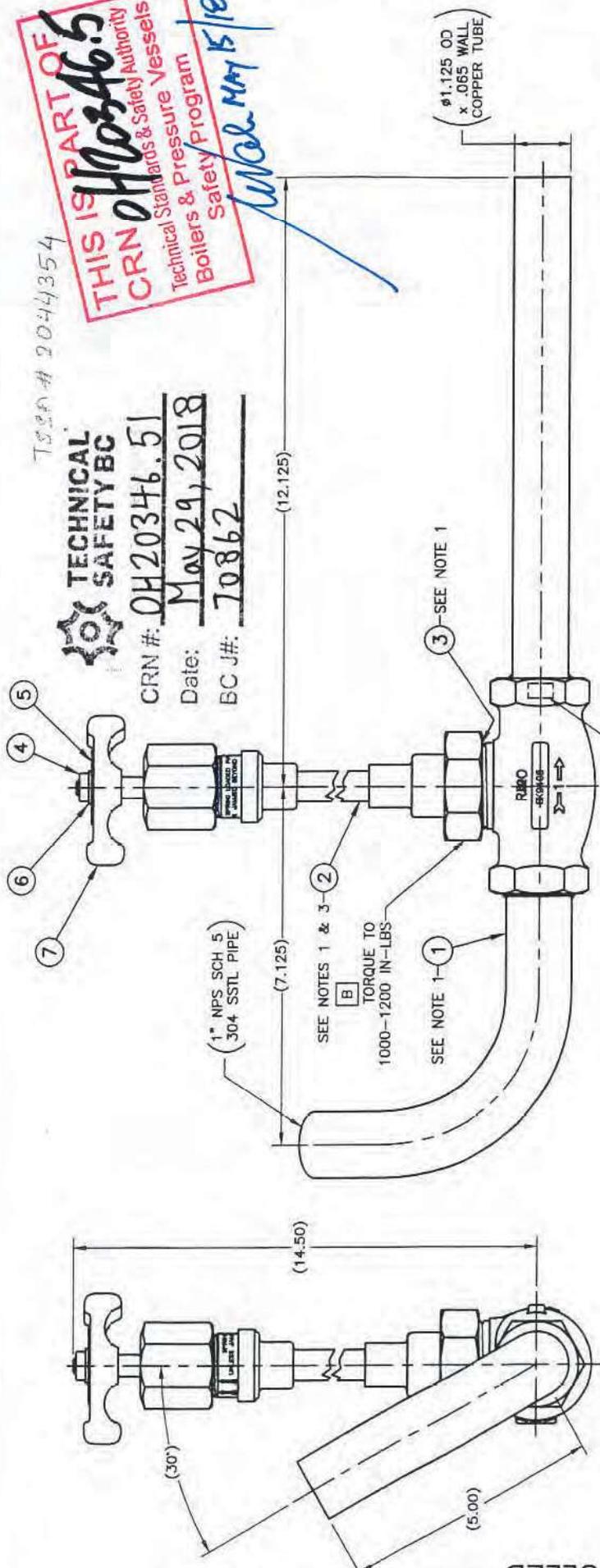
cc:

TSR # 2044354



CRN #: OH20346.51
 Date: May 29, 2018
 BC J#: 70862

THIS IS PART OF
CRN 0H0346.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program
Weld May 15/18



APPROVED/CONTROLLED

- NOTES:**
- ITEMS 1 & 2 TO BE CLEANED PER ITEM DRAWINGS. ITEM 3 TO BE CLEANED PER B-11550-400. TEST PER B400-100.
 - STAMP DATE (MO,WK,YR) USING .13 STD. FIGURES ON BONNET AND ON VALVE BODY.
 - ATTACH TORQUE TAG TO HANDWHEEL/STEM.
 - ENCLOSE MANIFOLD ASSEMBLY AND OXYGEN CLEAN SPECIFICATION LABEL IN A PLASTIC BAG. SEAL BAG IN A TAMPER EVIDENT MANNER.
 - REFERENCE CHART'S DRAWING B-13020561.

ITEM	QTY.	DESCRIPTION	NUMBER
B 9	1	TAG-TORQUE (1100) (NOT SHOWN)	SEE NOTE 4
B 8	1	SEAT DISC ASSY (NOT SHOWN)	B-9403-50C
C 7	1	HANDWHEEL - GREEN	B-9408-7
6	1	WASHER	2507-15GP
5	1	TAG V-11 PRODUCT SUPPLY	45002B
4	1	LOCKNUT	11573-512
3	1	GASKET	7505A-13SS
2	1	UPPER ASM (UNTESTED)	B-9408-1
1	1	BRAZED ASM	B-9408-KITU
			MVE11CD-2

DRIVEN	ENGINEER	APPROVED	TITLE
CHECKED	SCALE	ORIGINAL DATE	REVISION
	(.5:1)	8-03-05	AG341, 8-06-09
	UNLESS OTHERWISE SPECIFIED:		REV
	2 PL. DEC. ± .015		
	3 PL. DEC. ± .005		
	ANGLES ± .1°		
	CONCENTRICITY .010 FIM		
	FINISH 125 MAX		
	REMOVE BURRS, BREAK SHARP EDGES .0015 MAX.		

REGO CRYO-FLOW PRODUCTS	BURLINGTON, NC
THIS DRAWING IS FOR PROPRIETARY INFORMATION ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED	
VENT ASSY	DWG SIZE
MVE11CD	B



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 02, 2018

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

Service Request Type.: BPV-National MB
Service Request No.: 2314056
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.: 0H20346.54.

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

August 31, 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
MVE11CD Vent Assembly	0H20346.54	38991

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 15, 2028.***

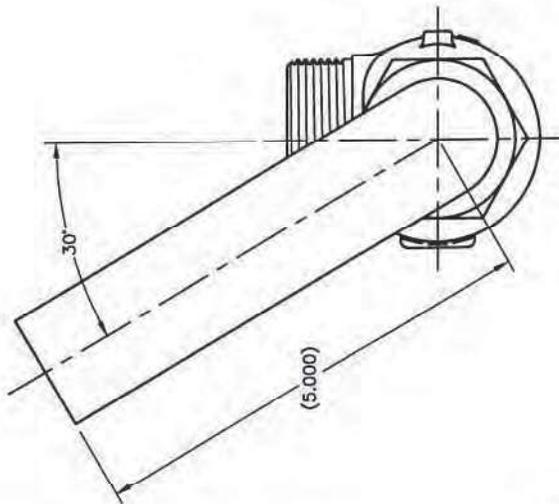
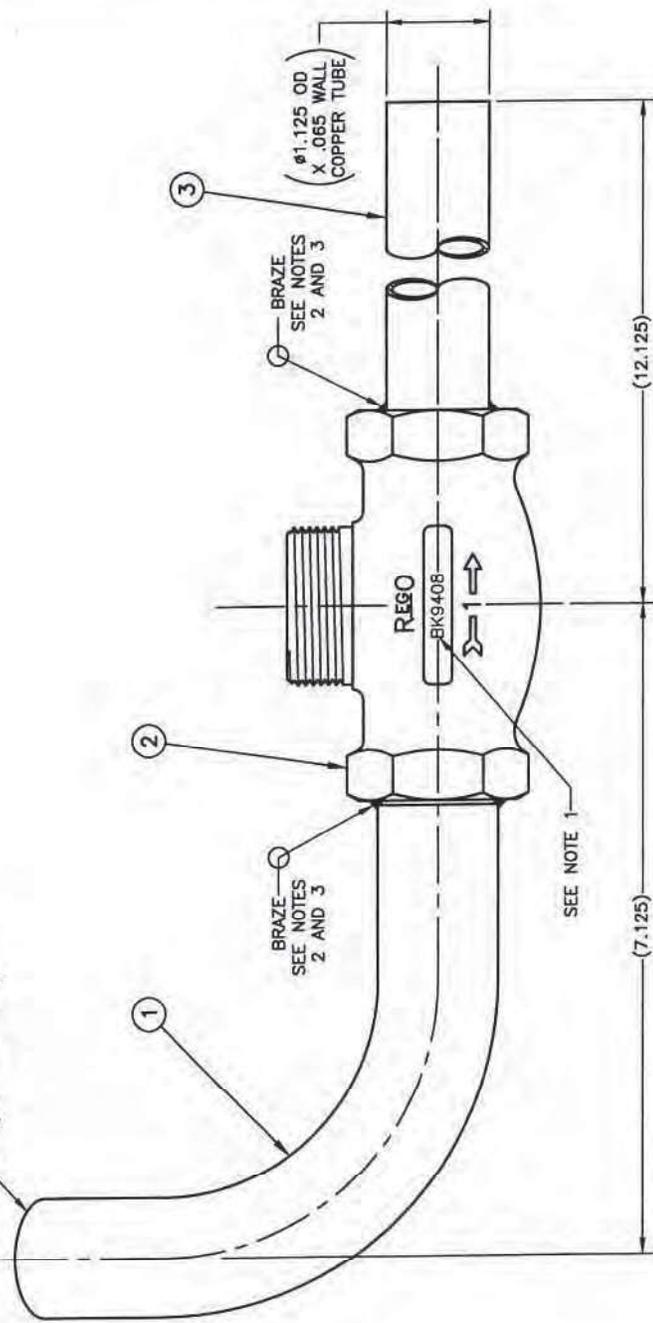
This registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration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

1" NPS SCH 5
(304 SS TL PIPE)



APPROVED/CONTROLLED

NOTES:

1. STAMP "BK9408" USING .13 STD. FIGURES ON VALVE BODY PRIOR TO BRAZING.
2. APPLY 11550-76 FLUX.
3. BRAZE WITH 702870 BRAZING ALLOY.
4. REMOVE OXIDES FROM BRAZED JOINT.
5. CLEAN PER B-11550-302.
6. STORE CLEAN.

Inspection & Technical Services
Manitoba
Office of the Fire Commissioner
Manitoba
THIS IS PART OF CRN
PH 24346.54

3	1	TUBE	450109
2	1	BODY	B-9408PS-2
1	1	PIPE	1337A-22B
ITEM QTY.		DESCRIPTION	NUMBER
REGO CRYO-FLOW PRODUCTS BURLINGTON, NC			
THIS DRAWING IS ECI PROPRIETARY INFORMATION ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED			
DRAWN		ENGINEER	TITLE
CHECKED		APPROVED	BRAZED ASSEMBLY
OTHERWISE SPECIFIED:		SCALE	(.75:1)
1 PL. DEC.		ORIGINAL DATE	
2 PL. DEC.		REVISION	B-03-05
3 PL. DEC.		REVISION	
CONCENTRICITY: ± .1"		REVISION	
FINISH: 124 MAX		REVISION	
REMOVE BURRS, BREAK SHARP EDGES R.0.15 MAX		REVISION	
REV		DRAWING NO.	MVE000011CD-2
REV		DWG. SIZE	B



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

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 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 H type fittings. In support of this application, the following information and/or test data are attached as follows:

SEE ATTACHED LIST - MVELICO
(drawings, calculations, test reports, etc.)

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

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

Commissioner for Oaths:

Jennifer Versage Watson
(Printed name)
Jennifer Versage Watson
(Signature)

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: 0420346.54
 Registered by: Rebie Herb
 Dated: 2018/08/31

Inspection & Technical Services
 Manitoba Office of the Fire Commissioner

Manitoba REGISTERED

C.R.N.: 0420346.54
 Signed: Rebie Herb
 Date: 2018/08/31

NOTE: This registration expires on: May 15, 2028



Cecylia Garbatz, a Commissioner, etc
City of Toronto, for the Technical
Standards & Safety Authority
Expires June 17 2020



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.: 2314052
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-0H20346.56.

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-OH20346.56**
Registration Process administered by
CSA Group per CSA B51

Statutory Declaration Registration of Fittings

(a) Design Qualification

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 - mve11cd

Declared before me at **Alamance County**
In the of **State** of **North Carolina**

The **20** Day of **April** AD 19**2018**

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

[Signature]
A (commissioner for oaths)

[Signature]
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 15 2028**

Registered Number CRN **CSA-OH20346.56** For the Chief Inspector **A. BANWATT**
Date **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 plan where the fitting is produced.

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



CSA-0720346-56

REGISTERED 

CRN: CSA-0720346-56

Registration Process administered by
CSA Group per CSA B51

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

Signed: *ASB*

Date: 13 June 2018

[Faint handwritten signature]

[Faint handwritten text]

[Faint handwritten text]

CSA-0720346-56

CSA-0720346-56

[Faint text]

[Faint text]



Technical Safety Authority of Saskatchewan

REGISTERED

CRN: CSA-OH20346.56



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

2202 2nd Ave.

Regina, SK S4R 1K3

Registration Process administered by
CSA Group per CSA B51

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 Elon, NC 27244
(Plant Address - Apt/Street) (City, Prov) (Postal Code)

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



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 B31.1 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 - MVE11CO

II. Declaration

DECLARED before me at Watauga 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)

[Signature]
(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-OH20346.56
(Registration Number)

June 13 2018
(Date Registered - MM DD YYYY)
(For the Administrator / Chief Inspector)

MAY 15 2028
(Expiry Date - MM DD YYYY)

A. BANWATT



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

20.048.08119 - A20

REGISTERED



CRN: CSA-07120346.56

Registration Process administered by
CSA Group per CSA B51

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

Signed: *Abbott*

Date: 13 June 2018

20.048.08119 - A20

20.048.08119 - A20



345 Caringview Drive
Toronto, Ontario 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.: 2044354
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.: 0H20346.5
Main Design No.: Dwg. No. MVE11CD, Vent Assembly
Expiry Date: 15-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

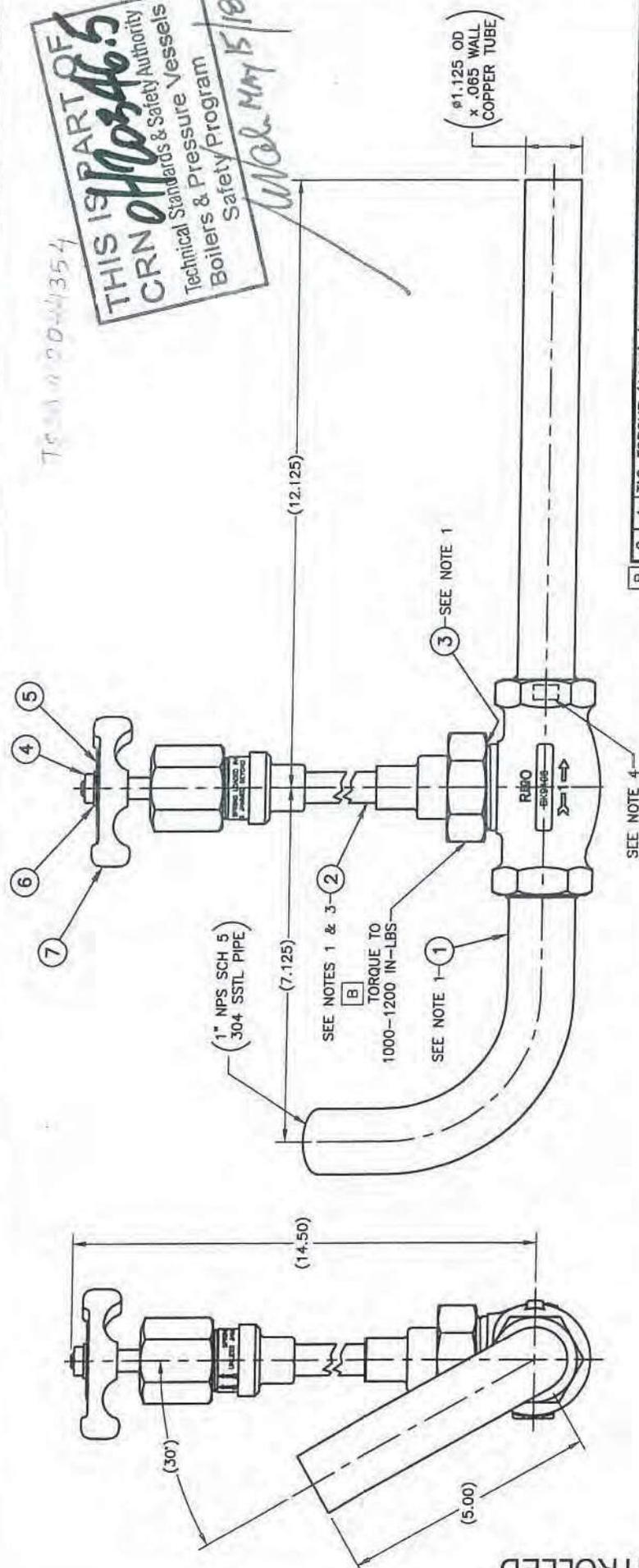
Yours truly,


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



TR 800 00-41354

THIS IS PART OF
CRN 070346.5
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program
Wol. May 15/18



(#1.125 OD
 x .065 WALL
 COPPER TUBE)

APPROVED/CONTROLLED

B	9	1	TAG-TORQUE (1100) (NOT SHOWN)	SEE NOTE 4	B-9403-SOC
C	8	1	SEAT DISC ASSY (NOT SHOWN)		B-9408-7
	7	1	HANDWHEEL - GREEN		2507-156P
	6	1	WASHER		450028
	5	1	TAG V-11 PRODUCT SUPPLY		11573-512
	4	1	LOCKNUT		7505A-135S
	3	1	GASKET		B-9408-1
	2	1	UPPER ASM (UNTESTED)		B-9408-KITU
	1	1	BRAZED ASM		MVE11CD-2
			ITEM QTY:	DESCRIPTION	NUMBER
REGO CRYO-FLOW PRODUCTS BURLINGTON, NC <small>THIS DRAWING IS EX. PROPRIETARY INFORMATION ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED</small>					
DRAWN		ENGINEER		TITLE	
CHECKED		APPROVER		VENT ASSY	
UNLESS OTHERWISE SPECIFIED:		SCALE		(5:1)	
2 PL. DEC. ± .015		ORIGINAL DATE		8-03-05	
3 PL. DEC. ± .005		REVISION		C	
4 FIN. DEC. ± .005		REVISION		AG-341, 8-06-09	
5 FINISH 125 MAX		REVISION		MVE11CD	
6 REMOVE BURRS, BREAK SHARP EDGES .R.015 MAX.		REVISION		DRAWING NO.	
		REVISION		DWG SIZE	
		REVISION		B	


 USA & CF-2
CHIMENT TO
CSA-C220.346.17
 Signed: *288ywell*
 178 Roadside Boulevard, Toronto, ON Canada M9W 1R3

- NOTES:
- ITEMS 1 & 2 TO BE CLEANED PER ITEM DRAWINGS. ITEM 3 TO BE CLEANED PER B-11550-400.
 - TEST PER 8400-100.
 - STAMP DATE (MO, WK, YR) USING .13 STD. FIGURES ON BONNET AND ON VALVE BODY.
 - ATTACH TORQUE TAG TO HANDWHEEL/STEM
 - ENCLOSE CLOSURES ON ALL OPENINGS.
 - CLEAN MANIFOLD ASSEMBLY AND OXYGEN SPECIFICATION LABEL IN A PLASTIC BAG. SEAL BAG IN A TAMPER EVIDENT MANNER.
 - REFERENCE CHART'S DRAWING B-13020561.