



To:	TSSA	From:	Janet Townsend
Company:	Engineered Controls	Phone:	416-747-4291
Pages:	8	Location:	Toronto
Our File:	ANR-5140	Date:	November 28, 2018

Your File: 2408132

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-0H20584.56.

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

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

Janet Townsend
Program Manager
CSA Group

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

Statutory Declaration Registration of Fittings

REGISTERED



CRN: CSA - 0H20584.56

Registration Process administered by
CSA Group per CSA B51

(a) Design Qualification

I, Chad Thomas, V.P of Engineering

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

Of Engineered Controls International, LLC

(name of company)

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

(plant address)

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

☒ comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required:

Or

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

(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ASME B1.1, 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 C

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

AA8530

Declared before me at Engineered Controls International, LLC

In the of County of Alamance, NC

The 9th Day of March AD 19 2018

Marisa E. Elliott
A (commissioner for oaths)

MARISA E. ELLIOTT
NOTARY PUBLIC
ALAMANCE COUNTY
NORTH CAROLINA

my commission expires
8/31/2021

Chad Thomas
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.

Jul. 31. 2028

Registered Number CRN CSA - 0H20584.56

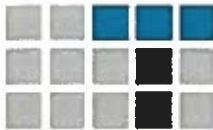
For the Chief Inspector
Date



A. BANWATT
Nov. 14. 2018

- 1 Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.
- 2 All fittings are required to be registered in the name of the Manufacturer.
- 3 This form shall be completed and signed by the president or highest official in the manufacturing plant where the fitting is produced.





Technical Safety Authority of Saskatchewan

REGISTERED

CRN: CSA-0H20584.56

Registration Process administered by

Statutory Declaration (Registration of Fittings)



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

TSK-1008

I. Declaration Information

I, Chad Thomas, V.P of Engineering

(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)

of: Engineered Controls International, LLC

(name of manufacturer)

located at: 100 Rego Drive

(Plant Address - Apt/Street)

Elon, NC

(City, Prov)

27244

(Postal Code)

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

☒ Comply with the requirements of ASME B31.1 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 C

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

AA 8530

MARISA E. ELLIOTT
NOTARY PUBLIC
ALAMANCE COUNTY
NORTH CAROLINA

my commission expires
8/31/2021

II. Declaration

DECLARED before me at Engineered Controls Int'l In the County of Alamance, NC

this 9th day of March, 2018

Marisa E. Elliott
(print name)

Chad Thomas
(Signature)

Marisa E. Elliott
(Signature of Commissioner of Oaths)

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-0H20584.56
(Registration Number)

Nov 14 2018
(Date Registered - MM DD YYYY)

(For the Administrator / Chief Inspector)

Jul 31 2028
(Expiry Date - MM DD YYYY)

A. BANWATT

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



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



170 Wellington Drive
Toronto, Ontario M9W 6N9
Tel: 416.734.3300
Fax: 416.231.1626
Toll Free 1.877.682.8772
www.tssa.org

July 31, 2018

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

Service Request Type: BPV-Fitting Registration
Service Request No.: 2307402
Your Reference No.:
Registered to: ENGINEERED CONTROLS INTERNATIONAL LLC

Dear CHAD THOMAS,

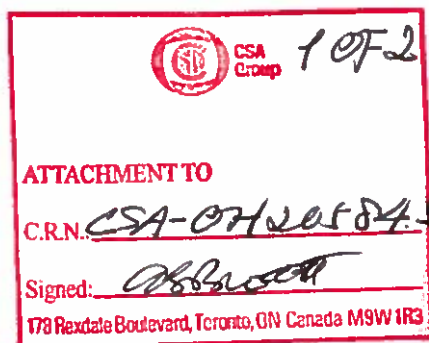
Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.: 0H20584.5
Main Design No.: Dwg. No. A8530 SER Rev. C, Deltaport Manifold
Expiry Date: 31-Jul-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.


Mark Valcic
Engineer Specialist BPV
Tel.: 416-734-3494
Fax: 416-231-6183
Email: mvalcic@tssa.org





March 2017

CRN – Canadian Registration Numbers - Saskatchewan

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

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

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



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 24, 2019

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

Service Request Type.: BPV-National AB
Service Request No.: 2408122
Your Reference No.:
Registered to.: ENGINEERED CONTROLS INTERNATIONAL LLC
ONT CRN: 0H20584.5.

Dear CHAD THOMAS,

Please find enclosed the original response from AB, registered under the CRN No.: 0H19217.2 .

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

January 04, 2019

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

Email: JKarpinski@tssa.org

The design submission, tracking number 2018-06550, originally received on October 01, 2018 was surveyed and accepted for registration as follows:

CRN : 0H19217.2

Accepted on: January 04, 2019

Reg Type: NEW DESIGN

Expiry Date: July 31, 2028

Drawing No. : AA8530 SER Rev C As Noted

Fitting type: ASSEMBLY

Design registered in the name of : ENGINEERED CONTROLS INTERNATIONAL LLC

Description	MAWP	Design Temperature
Internal Pressure	1724kPa	74 °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 B31.1.

- 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.*

For B31.1, MDMT is not part of the registration.

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 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**

I, CHAD THOMAS, V.P OF ENGINEERING
(name of applicant) (position title) (must be in a position of authority)
of ENGINEERED CONTROLS INTERNATIONAL, LLC.
(name of manufacturer)
located at 100 REGO DRIVE, ELON, NC- 27244
(plant address)

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

REGO®

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

- ☒ comply with the requirements of ASME B31.1 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 (title of code of construction or other applicable document)
data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, ISO 9001/ UL INC as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

CATEGORY "H"

(brief description of fittings)

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

AA 8530

DECLARED before me at Elon in the County of Alamance, North Carolina
(city) (province or state)

this 1st day of February, 2018
(Month) (Year)

(print) Marisa E. Elliott
(a Commissioner of Oaths or Notary Public)

(sign) Marisa E. Elliott
(a Commissioner of Oaths or Notary Public)

**MARISA E. ELLIOTT
NOTARY PUBLIC
ALAMANCE COUNTY
NORTH CAROLINA**

Chad Thomas
(signature of applicant)

my commission expires 8/31/2021

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: 0H19217.2

Date Registered: 2019-01-04

Expiry Date: 2021-01-04

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.

Category	System Number	Description	Drawing Number	Body Number	Body Material	Service Pressure
H	A8530 SER	Delta Port	A8530-1	A8530-1C	Ductile Iron Casting ASTM A395, UNS F32800	250
			A8530	A8540-22	ASTM A513 Type 5 DOM Steel Tubing UNS G10200-G10260	250
			A8530	8560-27SS	303 Stainless Steel FC Rod UNS S30300	250
			A8530	8560-27	303 Stainless Steel FC Rod UNS S30300	250
			AA3530SER	AA3135D-1	Aluminum Forging Alloy ASTM B247, UNS A96061	250

ABSA
SAFETY CODES ACT - PROVINCE OF ALBERTA
REGISTRATION OF FITTINGS
0H19217.2

REGISTRATION NO. _____
DWG. NO. or CAT. NO. S100R
TYPE OF FITTINGS Assembly
2019-01-04 INITIALS XL
Date XING LIU, P.Eng.
DESIGN SURVEY ENGINEER



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 24, 2019

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

Service Request Type.: BPV-National AB
Service Request No.: 2408122
Your Reference No.:
Registered to.: ENGINEERED CONTROLS INTERNATIONAL LLC
ONT CRN: 0H20584.5.

Dear CHAD THOMAS,

Please find enclosed the original response from AB, registered under the CRN No.: 0H19217.2 .

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

January 04, 2019

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

Email: JKarpinski@tssa.org

The design submission, tracking number 2018-06550, originally received on October 01, 2018 was surveyed and accepted for registration as follows:

CRN : 0H19217.2

Accepted on: January 04, 2019

Reg Type: NEW DESIGN

Expiry Date: July 31, 2028

Drawing No. : AA8530 SER Rev C As Noted

Fitting type: ASSEMBLY

Design registered in the name of : ENGINEERED CONTROLS INTERNATIONAL LLC

Description	MAWP	Design Temperature
Internal Pressure	1724kPa	74 °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 B31.1.

- 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.*

For B31.1, MDMT is not part of the registration.

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 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

I, CHAD THOMAS, V.P OF ENGINEERING
(name of applicant) (position title) (must be in a position of authority)
of ENGINEERED CONTROLS INTERNATIONAL, LLC.
(name of manufacturer)
located at 100 REGO DRIVE, ELON, NC- 27244
(plant address)

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

REGO®

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

- ☒ comply with the requirements of ASME B31.1 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 (title of code of construction or other applicable document)
data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the marking of the fittings for identification.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, ISO 9001/ UL INC as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

CATEGORY "H"

(brief description of fittings)

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

AA 8530

DECLARED before me at Elon in the County of Alamance, North Carolina
(city) (province or state)
this 1st day of February, 2018
(Month) (Year)

(print) Marisa E. Elliott
(a Commissioner of Oaths or Notary Public)

(sign) Marisa E. Elliott
(a Commissioner of Oaths or Notary Public)

MARISA E. ELLIOTT
NOTARY PUBLIC
ALAMANCE COUNTY
NORTH CAROLINA

Chad Thomas my commission expires 8/31/2021
(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: 0H19217.2

Date Registered: 2019-01-04

Expiry Date: 2021-01-04

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.

Category	System Number	Description	Drawing Number	Body Number	Body Material	Service Pressure
H	A8530 SER	Delta Port	A8530-1	A8530-1C	Ductile Iron Casting ASTM A395, UNS F32800	250
			A8530	A8540-22	ASTM A513 Type 5 DOM Steel Tubing UNS G10200-G10260	250
			A8530	8560-27SS	303 Stainless Steel FC Rod UNS S30300	250
			A8530	8560-27	303 Stainless Steel FC Rod UNS S30300	250
			AA3530SER	AA3135D-1	Aluminum Forging Alloy ASTM B247, UNS A96061	250

ABSA
SAFETY CODES ACT - PROVINCE OF ALBERTA
REGISTRATION OF FITTINGS
0H19217.2

REGISTRATION NO. _____
DWG. NO. or CAT. NO. Scope
TYPE OF FITTINGS Assembly
Date 2019-01-04 INITIALS XL
XING LIU, P.Eng.
DESIGN SURVEY ENGINEER



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

December 19, 2018

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

Service Request Type.: BPV-National ACI Central
Service Request No.: 2408162
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.: 0H20584.5.

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

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NOVA SCOTIA
YUKON
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES
NEWFOUNDLAND AND LABRADOR

MANUFACTURER'S NAME: ENGINEERED CONTROLS INTERNATIONAL, LLC	
MANUFACTURER'S ADDRESS: 100 REGO DRIVE, ELON, NC 27244	
PLANT LOCATIONS: SAME AS ABOVE	
CATEGORY OF FITTING TO BE REGISTERED, CIRCLE ONE CATEGORY ONLY	
<p>TYPE OF FITTING: <input type="checkbox"/> PIPE FITTING, INCLUDING COUPLERS, TEES, ELBOWS, YEs, PLUGS, UNIONS, PIPE CAPS, OR REDUCERS <input type="checkbox"/> FLANGES: ALL SIZES <input type="checkbox"/> VALVES: ALL LINE VALVES <input type="checkbox"/> EXPANSION JOINTS, FLEXIBLE CONNECTIONS, AND HOSE ASSEMBLIES: ALL TYPES <input type="checkbox"/> STRAINERS, FILTERS, SEPARATORS, AND FLIGHT TRAPS <input type="checkbox"/> MEASURING DEVICES, INCLUDING PRESSURE GAUGES, LEVEL GAUGES, RIGHT GAUGES, LEVELS, OR PRESSURE TRANSDUCERS <input type="checkbox"/> CERTIFIED CAPACITY-RATED PRESSURE RATED DEVICES ESCAPABLE AS PRIMARY OVER PRESSURE PROTECTION ON BOILERS, PRESSURE VESSELS, PIPING AND FLUID PIPES <input type="checkbox"/> PRESSURE RATING COMPONENTS THAT DO NOT FALL INTO ONE OF THE ABOVE CATEGORIES <input type="checkbox"/> NUCLEAR COMPONENTS: CLASS 1 <input type="checkbox"/> CLASS 2 <input type="checkbox"/> CLASS 3 <input type="checkbox"/> (Following ASCE or ASME requirements)</p>	
SHOW MANUFACTURER'S NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	
<p>REGO</p> <p>ASME B51.1</p>	
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED:	
<p>AA850</p>	

DECLARATION: I, CHAD THOMAS, (Last Name) am employed by ECLIC and being the person having full authority and responsibility for the quality of the end product do solemnly declare that the information contained in the 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 ISO 9001/ULINC declaration consistently believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: *Chad Thomas*
 Declared before me at: *Engineered Controls Intl, LLC*
 This 1st day of February AD 2019
 Commissioner of Oaths
 or Notary Public: (sign)
 My (term) expires 05/31/2021

CRN: 0H20584.5
 FID#: 1704
 PROVINCE OF PRINCE EDWARD ISLAND
 COMMUNITIES LAND & ENVIRONMENT
 C.R.N. OF 20584.54
 DATE: 02/15/19
 INSPECTION SERVICES SECTION
 BOILER/PRESSURE VESSEL BRANCH

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.

--- The registration must be revalidated after ten (10) years from the date of registration
 This space for Regulatory Authority use

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 REGO DRIVE, ELON, NC-27244

PLANT LOCATIONS: SAME AS ABOVE

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 ☐ Class 2 ☐ Class 3 ☐ (Meeting AECB or ASME requirements)

TYPE OF THE STANDARD OF CONSTRUCTION

ASME B31.1

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



TYPE OF CONSTRUCTION

FORGED OR WELDED ☐ WROUGHT ☐
 CAST ☐ OTHER ☐
 DESCRIBE OTHER:

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

AAB530

DECLARATION:

I, CHAD THOMAS (see note 5) employed by ECI LLC 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 ISO 9001/ULINC as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Chad Thomas

Declared before me at Engineered Controls Int'l, NC

This 1st day of February AD 2018

Commissioner of Oaths

or Notary Public: (sign) Marisa E. Elliott

(Affix Official seal to the right)

MARISA E. ELLIOTT
 U S E T H O T A R Y P U B L I C F O R T H E
 ALAMANCE COUNTY
 NORTH CAROLINA

my commission expires 8/31/2021

This space for Regulatory Authority use

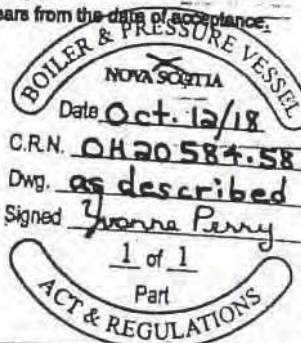
--- This registration must be revalidated after ten (10) years from the date of acceptance.

CRN: 0H20584.5

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: ENGINEERED CONTROLS INTERNATIONAL LLC

MANUFACTURERS ADDRESS: 100 REGO DRIVE, ELON, NC-27244

PLANT LOCATIONS: SAME AS ABOVE

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)

TITLE OF THE STANDARD OF CONSTRUCTION

ASME B31.1

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

REGO®

TYPE OF CONSTRUCTION

FORGED ☒ WELDED ☐ WROUGHT ☐
 CAST ☐ OTHER ☐
 DESCRIBE OTHER:

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

AA8530

DECLARATION:

I CHAD THOMAS (see note 3) employed by ECI LLC 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 ISO 9001/ULINC 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 Engineered Controls Int'l, NC

This 1st day of February AD 2018

Commissioner of Oaths or Notary Public: (sign) Marisa E. Elliott

(Affix Official seal to the right)

MARISA E. ELLIOTT
 NOTARY PUBLIC
 ALAMANCE COUNTY
 NORTH CAROLINA
 My Comm. Expires 8/31/2021
 Brunswick

This space for Regulatory Authority use
 This registration must be revalidated after ten (10) years from the date of acceptance
 DEPT OF JUSTICE PUBLIC SAFETY
 BOILER & PRESSURE VESSEL ACT

CRN: 0H20584.5

FID#: 1704

Notes:

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

REGISTRATION ONLY
 CRN 0H20584.57

CHIEF BOILER INSPECTOR

DATE 10/12/2018

☐ BLRs ☐ PVs
☒ FITTINGS ☐ NUCLEAR 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 INTERNATIONAL LLC

MANUFACTURERS ADDRESS: 100 REGO DRIVE, ELON, NC-27244

PLANT LOCATIONS: SAME AS ABOVE

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)

TITLE OF THE STANDARD OF CONSTRUCTION

ASME B31.1

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



TYPE OF CONSTRUCTION

FORGED ☐ WELDED ☐ WROUGHT ☐
CAST ☒ OTHER ☐
DESCRIBE OTHER:

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

AA8530

DECLARATION:

I, CHAD THOMAS (see note 2) employed by ECI LLC 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 ISO 9001/ ULINC as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Chad Thomas
Declared before me at Engineered Controls Int'l, LLC
This 15 day of February AD 2018
Commissioner of Oaths
or Notary Public: (sign) Marisa E. Elliott
(Affix Official seal to the right)

MARISA E. ELLIOTT
NOTARY PUBLIC
ALAMANCE COUNTY
NORTH CAROLINA
my commission expires 8/31/2021

This space for Regulatory Authority use

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

CRN: 0H20584.5

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.

Newfoundland
Labrador

Service NL

Registered 0H20584.50

Date 18/10/22

Engineering and Inspection Services

Registered by [Signature]

UNDER THE AUTHORITY OF THE
PUBLIC SAFETY ACT AND
THE BOILER, PRESSURE VESSEL AND
COMPRESSED GAS 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

MANUFACTURER'S NAME: ENGINEERED CONTROLS INTERNATIONAL LLC

MANUFACTURER'S ADDRESS: 100 REGO DRIVE, ELON, NC-27244

PLANT LOCATIONS: SAME AS ABOVE

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)

TITLE OF THE STANDARD OF CONSTRUCTION

ASME B31.1

SHOW MANUFACTURER'S NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT



TYPE OF CONSTRUCTION

FORGED ☒ WELDED ☐ WROUGHT ☐
CAST ☐ OTHER ☐
DESCRIBE OTHER:

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

AA8530

DECLARATION:

I CHAD THOMAS (see note 3) employed by ECI LLC

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 ISO 9001/ULINC as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: Chad Thomas
Declared before me at Engineered Controls Int'l, NC
This 19 day of February AD 2018

Commissioner of Oaths
or Notary Public: (sign) Marisa E. Elliott

(Affix Official seal to the right)

MARISA E. ELLIOTT
NOTARY PUBLIC
ALAMANCE COUNTY
NORTH CAROLINA

my commission expires 8/31/2021

This space for Regulatory Authority use

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

CRN: OH20584.5

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.



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.

CRN: 0H20584.5
FID#: 1704

UNDER THE AUTHORITY OF
REGISTERED
NORTHWEST
VESSEL ACT
CRN: 0H20584.5
SIGNED
DATE: 04/15/2018

82.00

Signature of Declarer: Michael E. Elliott
Declared before me at: day of February AD 2018
Commissioner of Oaths or Notary Public (sign): Michael E. Elliott
(After Official seal to the right)

responsibility for the quality of the and 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 hereinafter named standards. I further declare that the manufacturer 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 ISO 9001/ULINC

declaration conscientiously applying it to be true, and knowing that it is of the same force and effect as if made under oath.

and being the person having full authority and responsibility for the quality of the and 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 hereinafter named standards. I further declare that the manufacturer 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 ISO 9001/ULINC

responsibility for the quality of the and 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 hereinafter named standards. I further declare that the manufacturer 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 ISO 9001/ULINC

DECLARATION: CHAD THOMAS
I CHAD THOMAS (see note 2) employed by ECLIC

MANUFACTURER'S NAME: ENGINEERED CONTROLS INTERNATIONAL LLC
PLANT LOCATION: 100 REGO DRIVE, ELON, NC 27244
CATEGORY OF FITTINGS TO BE REGISTERED: SAME AS ABOVE
TITLE OF THE STANDARD OF CONSTRUCTION: ASME B5.1

SHOW MANUFACTURER'S NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT

REGO

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

TYPE OF CONSTRUCTION: ☐ FORGED ☐ WELDED ☐ CAST ☐ OTHER ☐ WINDUPT ☐ DECORATED OTHER

MANUFACTURER'S NAME: ENGINEERED CONTROLS INTERNATIONAL LLC
PLANT LOCATION: 100 REGO DRIVE, ELON, NC 27244
CATEGORY OF FITTINGS TO BE REGISTERED: SAME AS ABOVE
TITLE OF THE STANDARD OF CONSTRUCTION: ASME B5.1

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NEW JERSEY
NEW YORK
NEW HAMPSHIRE
MAINE
VERMONT
NEWFOUNDLAND AND LABRADOR

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

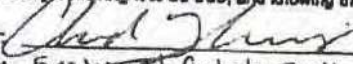
MANUFACTURER'S NAME: ENGINEERED CONTROLS INTERNATIONAL, LLC	
MANUFACTURER'S ADDRESS: 100 REGO DRIVE, ELON, NC-27244	
PLANT LOCATION: SAME AS ABOVE	
CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers 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 I Nuclear components: Class 1 <input type="checkbox"/> Class 2 <input type="checkbox"/> Class 3 <input type="checkbox"/> (Meeting AECG or ASME requirements)	TITLE OF THE STANDARD OF CONSTRUCTION <p align="center">ASME B31.1</p>
SHOW MANUFACTURER'S 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">AA8530</p>	

DECLARATION:

I, **CHAD THOMAS**

(see note 1) employed by **ECI, LLC**

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 **ISO 9001/ULINC** 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 **Engineered Controls Int'l, LLC**

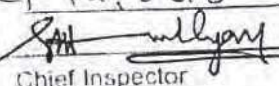
This **1st** day of **February** AD **2018**

Commissioner of Oaths or Notary Public: (sign) **Marisa E. Elliott**

(Affix Official seal to the right)

MARISA E. ELLIOTT
 USE NOTARY PUBLIC FOR THE
ALAMANCE COUNTY
NORTH CAROLINA

my commission expires **8/31/2021**

This space for Registrar Authority use This registration must be revalidated after ten (10) years from the date of acceptance. CRN: 0H20584.5 FID#: 1704	Boilers and Vessels Act REGISTERED CRN 0H20584.5N Date Oct 12, 2018  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.	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

November 08, 2018

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

Service Request Type.: BPV-National BC
Service Request No.: 2408126
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.: 0H20584.51.

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,

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

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

Date: October 17, 2018

Account #: 35231

Journal #: 71871

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2408126, for a Fitting is accepted for registration as follows:

Registered To: ENGINEERED CONTROLS INTERNATIONAL LLC **CRN:** 0H20584.51

MDMT: -40 deg F

MAWT: 165 deg F

MAWP: 400 psig

Drawing #: AA8530 SER

Drawing Revision: C

Conditions Of Registration:

Registration of a Deltaport Manifold 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 July 31, 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

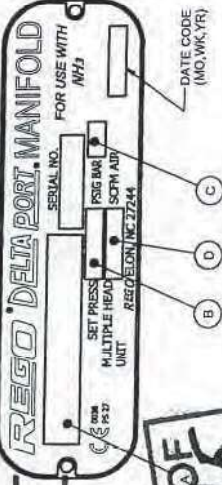
boiler.designregistration@technicalsaftybc.ca
Design Administration

cc:



CRN #: 0420584.51
Date: 04.5.2018
BC J#: 71871

STAMPING INFORMATION
ALL STAMPING MUST BE LEGIBLE

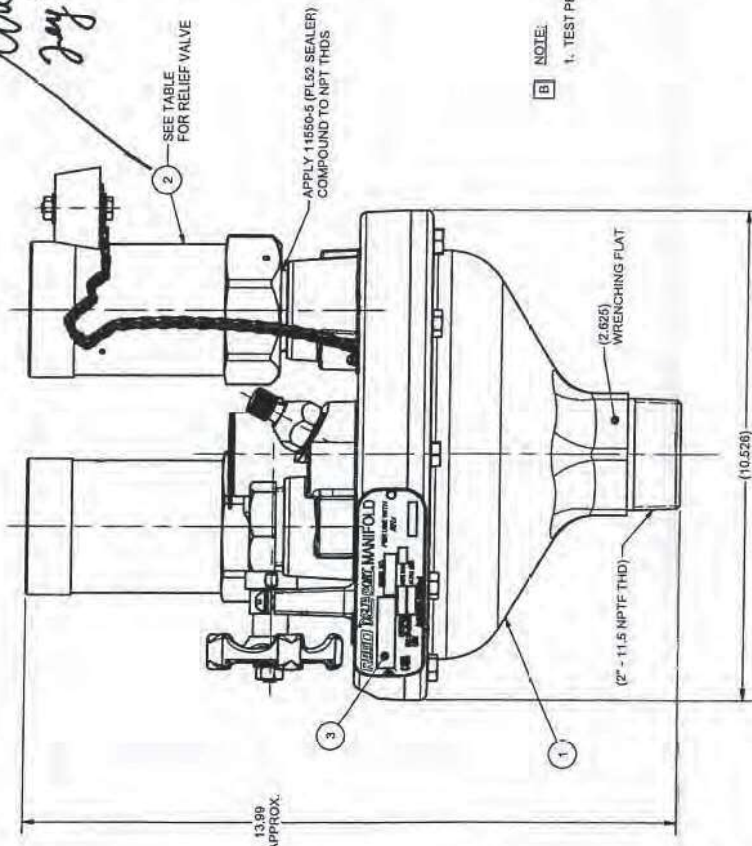
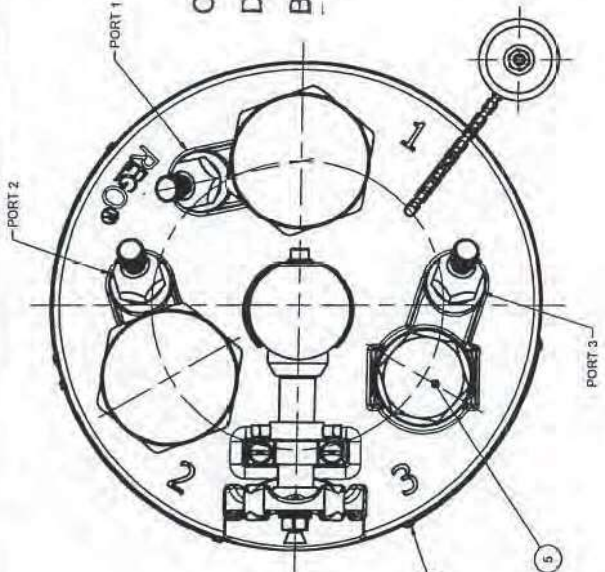


THIS IS PART OF
CRN 0420584.5
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program

VALVE RATING				
(A)	(2)	(B)	(C)	(D)
DELTA PORT ASSEMBLY NUMBER	RELIEF VALVE NUMBER	RELIEF VALVE REQUIRED	SET PRESSURE (PSIG)	SET PRESSURE (BAR)
AA8532MA250	AA3135MA250	2	250	17.24
AA8532MA265	AA3135MA265	2	265	18.27
AA8533MA250	AA3135MA250	3	250	17.24
AA8533MA265	AA3135MA265	3	265	18.27
				ASME DATA (SCFM AIR)
				6341
				6703
				12662
				13406
				PLUG REQUIRED
				1
				NONE
				NONE

STAMPING NOTES:

1. TO DETERMINE SET PRESSURE IN BAR USE THE FOLLOWING FORMULA:
BAR = PSIG X 0.088948



NOTE:
1. TEST PER AA8530-100.

REVISION HISTORY		DESCRIPTION	
REV	DATE	ISSUED	REV
A	2013-07-09-14-13	ISSUED	
B	2013-07-14-13	REV	
C	2014-03-11-16-14	REV	

PART NUMBER		DESCRIPTION	
AA804-500		NH3 WARNING SHEET	
AA830-300		INSTRUCTION SHEET (NOT SHOWN)	
AA830-44		SEE TABLE	
2465-32		SCREW, THREAD CUTTING	
AA830-22		MANIFOLD, NH3	
AA830-22		SEE TABLE	
AA830		DELTA PORT, MANIFOLD	

ENGINEERED CONTROLS INTERNATIONAL, LLC.		REGO CRYO-FLOW	
ELON, N.C. 27244		BRUNSWICK, N.C. 27815	
ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		TITLE	
		DELTA PORT FOR ANHYDROUS AMMONIA	
		AA8530 SER	



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

February 21, 2019

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

Service Request Type.: BPV-National CSA
Service Request No.: 2408132
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-0H20584.56.

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

Statutory Declaration Registration of Fittings

REGISTERED



CRN: CSA - OH20584.56

Registration Process administered by
CSA Group per CSA B51

(a) Design Qualification

I¹ 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 31.1, 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 C

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

Declared before me at Engineered Controls International, LLC

In the of County of Alamance, NC

The gm Day of March AD 19 2018

Marisa E. Elliott
A (commissioner for oaths)

MARISA E. ELLIOTT
NOTARY PUBLIC
ALAMANCE COUNTY
NORTH CAROLINA

my commission expires
8/31/2021

Chad Thomas
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.

Jul - 31 - 2028

Registered Number CRN CSA - OH20584.56

For the Chief Inspector
Date



A. BANWATT
Nov - 14 - 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.



02.48201H0 - A20

REGISTERED



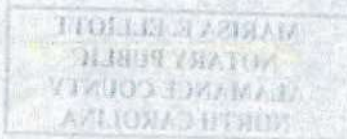
CRN: CSA-0720184.56

Registration Process administered by
CSA Group per CSA B51

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

Signed: *[Signature]*

Date: 14 Nov. 2018



701-81-2058

A. BARNETT
Nov. 14. 2018

02.48201H0 - A20



Technical Safety Authority of Saskatchewan

REGISTERED

CRN: CSA-0H20584.56

Registration Process administered by

CSA Group or CSA B51



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

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Chad Thomas, V.P of Engineering

(company title, e.g. vice president, plant manager, chief engineer)
(must be in a position of authority in the manufacturing plant where the fitting is produced)

of: Engineered Controls International, LLC

(name of manufacturer)

located at: 100 Rego Drive

(Plant Address - Apt/Street)

Elon, NC

(City, Prov)

27244

(Postal Code)

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

☒ Comply with the requirements of ASME B31.1 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 C

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

AA 8530

MARISA E. ELLIOTT
NOTARY PUBLIC
ALAMANCE COUNTY
NORTH CAROLINA

my commission expires
8/31/2021

II. Declaration

DECLARED before me at Engineered Controls Int'l In the County of Alamance, NC

this 9th day of March, 2018

Marisa E. Elliott

(print name)

Chad Thomas

(Signature)

Marisa E. Elliott

(Signature of Commissioner of Oaths)

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-0H20584.56

(Registration Number)

Nov. 14. 2018

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

Jul. 31. 2028

(Expiry Date - MM DD YYYY)


A. BANWATT

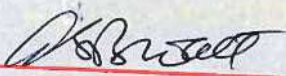
*Note: See the attachment for the scope of the registration.



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

REGISTERED
CRN: C2A-0H20284.20
Registration Process administered by
CSA Group per CSA B51

REGISTERED 
CRN: C2A-0H20284.20
Registration Process administered by
CSA Group per CSA B51

Technical Review performed per CSA B51
Performed by: ANRIC Enterprises Inc.
Signed: 
Date: 14 Nov. 2018

MARISA E. ELLIOTT
NOTARY PUBLIC
ALABAMA COUNTY
NORTH CAROLINA

See attached list

2018-11-14
A. B. W. A. B.

Nov. 14. 2018

C2A-0H20284.20





345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: 416.734.3300
Fax: 416.231.1526
Toll Free: 1.877.682.8772

www.tssa.org

July 31, 2018

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

Service Request Type: BPV-Fitting Registration
Service Request No.: 2307402
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.: 0H20584.5

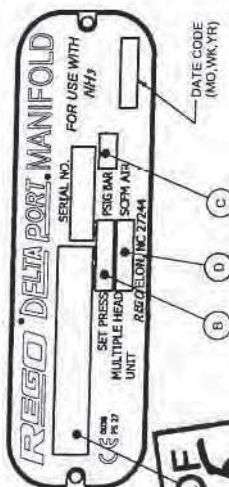
Main Design No.: Dwg. No. A8530 SER Rev. C, Deltaport Manifold
Expiry Date: 31-Jul-2028

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.


Mark Valcic
Engineer Specialist BPV
Tel. : 416-734-3494
Fax : 416-231-6183
Email : mvalcic@tssa.org



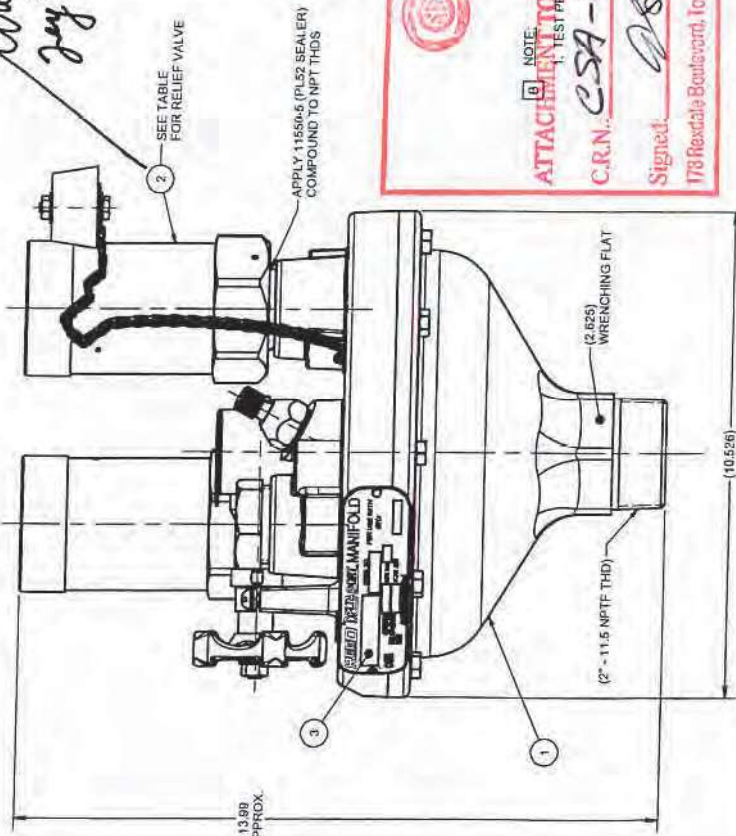
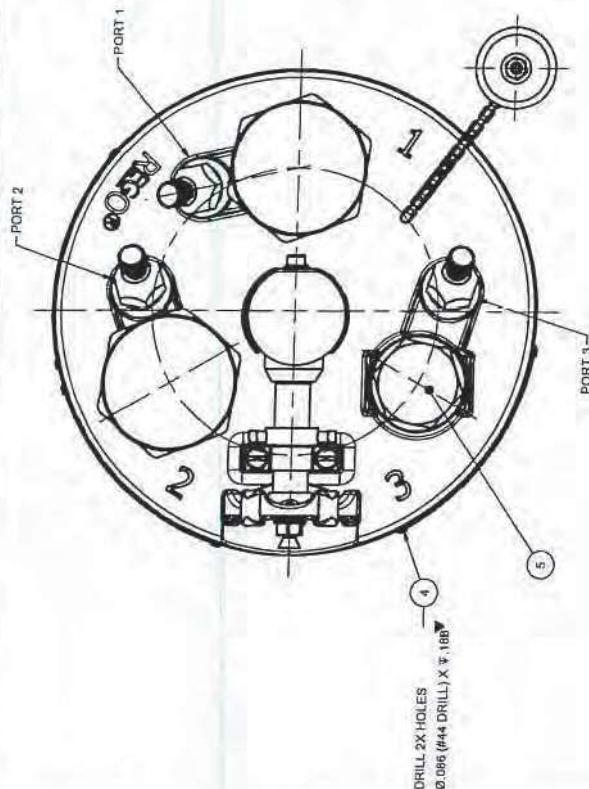


			VALVE RATING				
(A)	(2)	(B)	(C)	(D)	(5)		
DELTA PORT ASSEMBLY NUMBER	RELIEF VALVE NUMBER	RELIEF VALVES REQUIRED	SET PRESSURE (PSIG)	SET PRESSURE (BAR) SEE NOTE 1	ASME FLOW/ DATE (SCFH/AYR)	PLUG REQUIRED	
A485-33MA-250	A43135MA250	2	250	17.24	6341	1	
A485-33MA-265	A43135MA265	2	265	18.27	6703	1	
A485-33MA-260	A43135MA250	3	260	17.50	12692	NONE	
A485-33MA-265	A43135MA265	3	265	18.27	13406	NONE	

STAMPING NOTES:

1. TO DETERMINE SET PRESSURE IN BAR USE THE FOLLOWING FORMULA:

$$\text{BAR} = \text{PSIG} \times 0.068948$$



7	1	NH3 WARNING SHEET	A1804-500
6	1	INSTRUCTION SHEET (NOT SHOWN)	A8530-300
5	2	PLUG, PIPE	A8530-44
4	2	SCREW, THREAD CUTTING	2486-32
3	1	NAMEPLATE, NH3	A8530-22
2	2	RELIEF VALVE	SEE TABLE
1	1	DELTAPORE, MANIFOLD	A8530

ITEM	QTY	ISSUE DATE	DESCRIPTION	UNIT/ISS	ENGINEERING CONTROL INTERNATIONAL, LLC. RESO RESO CRYO-FLOW BIRMINGHAM, AL 35215 FLYNN RD. 2744 15151 EIGHTH AVENUE INDUSTRIAL PARK ALL RIGHTS RESERVED. NO REPRODUCTION OR REUSE PERMITTED.	PART NUMBER
1	1	5/17/2013	GEORGE M. MCKEY	1/8 DEC. A305		
2	1	1/5/2015	N. LEE	1/8 DEC. A305		
3	1	1/6/2015	W. WYATT	1/8 DEC. A305		
4	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
5	1	1/6/2015	W. WYATT	1/8 DEC. A305		
6	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
7	1	1/6/2015	W. WYATT	1/8 DEC. A305		
8	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
9	1	1/6/2015	W. WYATT	1/8 DEC. A305		
10	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
11	1	1/6/2015	W. WYATT	1/8 DEC. A305		
12	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
13	1	1/6/2015	W. WYATT	1/8 DEC. A305		
14	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
15	1	1/6/2015	W. WYATT	1/8 DEC. A305		
16	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
17	1	1/6/2015	W. WYATT	1/8 DEC. A305		
18	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
19	1	1/6/2015	W. WYATT	1/8 DEC. A305		
20	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
21	1	1/6/2015	W. WYATT	1/8 DEC. A305		
22	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
23	1	1/6/2015	W. WYATT	1/8 DEC. A305		
24	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
25	1	1/6/2015	W. WYATT	1/8 DEC. A305		
26	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
27	1	1/6/2015	W. WYATT	1/8 DEC. A305		
28	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
29	1	1/6/2015	W. WYATT	1/8 DEC. A305		
30	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
31	1	1/6/2015	W. WYATT	1/8 DEC. A305		
32	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
33	1	1/6/2015	W. WYATT	1/8 DEC. A305		
34	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
35	1	1/6/2015	W. WYATT	1/8 DEC. A305		
36	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
37	1	1/6/2015	W. WYATT	1/8 DEC. A305		
38	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
39	1	1/6/2015	W. WYATT	1/8 DEC. A305		
40	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
41	1	1/6/2015	W. WYATT	1/8 DEC. A305		
42	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
43	1	1/6/2015	W. WYATT	1/8 DEC. A305		
44	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
45	1	1/6/2015	W. WYATT	1/8 DEC. A305		
46	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
47	1	1/6/2015	W. WYATT	1/8 DEC. A305		
48	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
49	1	1/6/2015	W. WYATT	1/8 DEC. A305		
50	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
51	1	1/6/2015	W. WYATT	1/8 DEC. A305		
52	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
53	1	1/6/2015	W. WYATT	1/8 DEC. A305		
54	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
55	1	1/6/2015	W. WYATT	1/8 DEC. A305		
56	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
57	1	1/6/2015	W. WYATT	1/8 DEC. A305		
58	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
59	1	1/6/2015	W. WYATT	1/8 DEC. A305		
60	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
61	1	1/6/2015	W. WYATT	1/8 DEC. A305		
62	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
63	1	1/6/2015	W. WYATT	1/8 DEC. A305		
64	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
65	1	1/6/2015	W. WYATT	1/8 DEC. A305		
66	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
67	1	1/6/2015	W. WYATT	1/8 DEC. A305		
68	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
69	1	1/6/2015	W. WYATT	1/8 DEC. A305		
70	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
71	1	1/6/2015	W. WYATT	1/8 DEC. A305		
72	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
73	1	1/6/2015	W. WYATT	1/8 DEC. A305		
74	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
75	1	1/6/2015	W. WYATT	1/8 DEC. A305		
76	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
77	1	1/6/2015	W. WYATT	1/8 DEC. A305		
78	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
79	1	1/6/2015	W. WYATT	1/8 DEC. A305		
80	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
81	1	1/6/2015	W. WYATT	1/8 DEC. A305		
82	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
83	1	1/6/2015	W. WYATT	1/8 DEC. A305		
84	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
85	1	1/6/2015	W. WYATT	1/8 DEC. A305		
86	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
87	1	1/6/2015	W. WYATT	1/8 DEC. A305		
88	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
89	1	1/6/2015	W. WYATT	1/8 DEC. A305		
90	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
91	1	1/6/2015	W. WYATT	1/8 DEC. A305		
92	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
93	1	1/6/2015	W. WYATT	1/8 DEC. A305		
94	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
95	1	1/6/2015	W. WYATT	1/8 DEC. A305		
96	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
97	1	1/6/2015	W. WYATT	1/8 DEC. A305		
98	1	1/6/2015	D. GENTILE	1/8 DEC. A305		
99	1	1/6/2015	W. WYATT	1/8 DEC. A305		
100	1	1/6/2015	D. GENTILE	1/8 DEC. A305		

THIS IS PART OF
CRN 0720584.5
Technical Standards & Safety Authority
Boilers & Pressure Vessels Program

8/11/18
Lubbar

CSA Group
2 of 2
NOTE:
ATTACHMENT TO
TEST PER A8530-100
C.R.N. CSA-OH Lot 84
Signed: *D. Blisset*
178 Rexdale Boulevard, Toronto, ON Canada M89W 1R3



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 07, 2019

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

Service Request Type.: BPV-National MB
Service Request No.: 2408150
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.: 0H20584.54.

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,

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

April 29, 2019

Technical Standards & Safety Authority
345 Carlingview Drive
Toronto, Ontario
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
A8530 SER Rev C	0H20584.54	39399

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: "Technical Standards & Safety Authority (TSSA)".

- *See attached stamped "this is part of CRN" for scope of registration.*
- *This registration expires on: **July 31st, 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,

Mohamed Elsayed, P.Eng, SSGB

Inspector & Design Surveyor

Office of the Fire Commissioner

Inspection and Technical Services Manitoba

508 - 401 York Avenue

Winnipeg, Manitoba, R3C 0P8

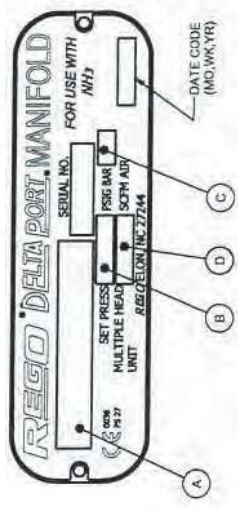
Email: Mohamed.Elsayed@gov.mb.ca

Cell: (204) 794-3534

Website: <http://www.firecomm.gov.mb.ca>

APPROVED/CONTROLLED

STAMPING INFORMATION
ALL STAMPING MUST BE LEGIBLE



VALVE RATING				
(A)	(2)	(B)	(C)	(D)
DELTA PORT ASSEMBLY NUMBER	RELIEF VALVE NUMBER	RELIEF VALVES REQUIRED	SET PRESSURE (PSIG)	ASME FLOW DATA (SCFM AIR)
AA8532MA250	AA3135MA250	2	250	17.24
AA8532MA265	AA3135MA265	2	265	18.27
AA8533MA250	AA3135MA250	3	250	17.24
AA8533MA265	AA3135MA265	3	265	18.27
				1
				NONE
				NONE

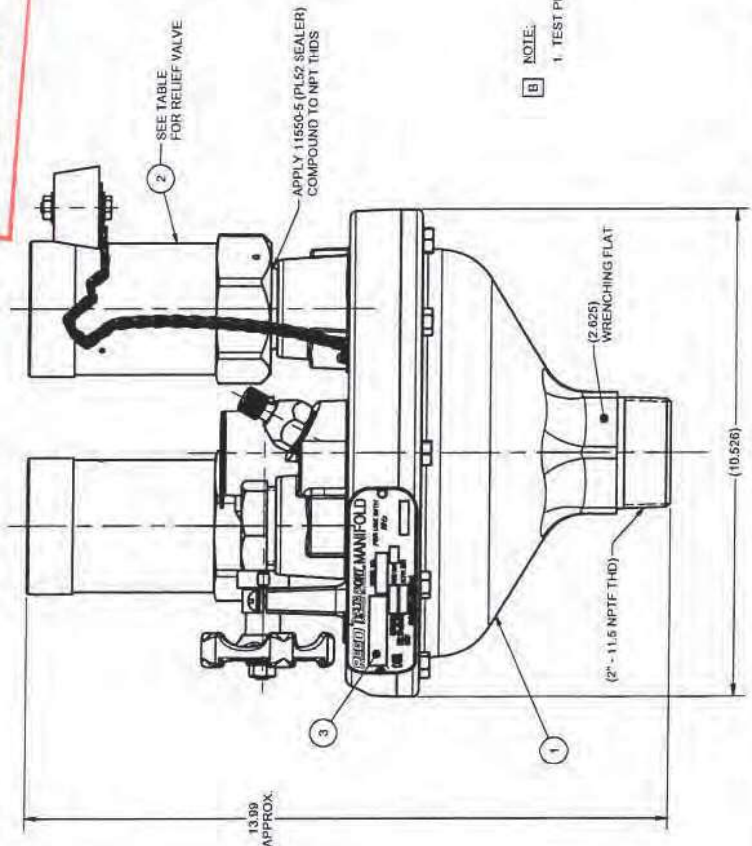
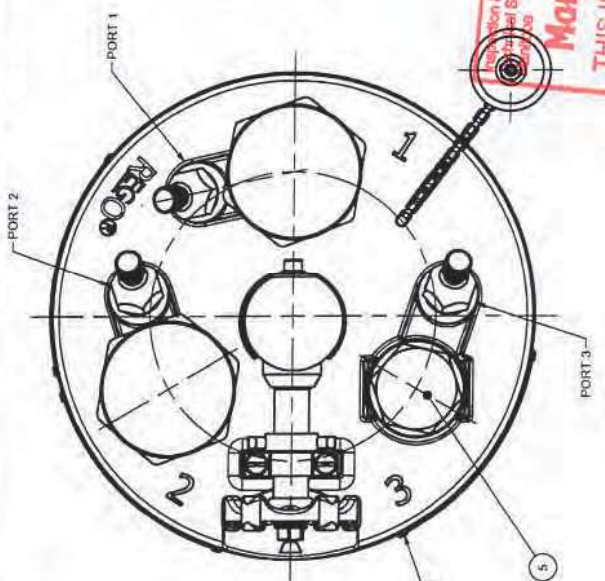
STAMPING NOTES:
1. TO DETERMINE SET PRESSURE IN BAR USE THE FOLLOWING FORMULA:
BAR = PSIG X 0.068948

7	1	NH3 WARNING SHEET	AA8530-500
8	1	INSTRUCTION SHEET (NOT SHOWN)	AA8530-300
5	2	SEE TABLE PLUG, PIPE	AA8530-44
4	2	SCREW, THREAD CUTTING	2485-32
3	1	NAMEPLATE, NH3	AA8530-22
2	2	SEE TABLE RELIEF VALVE	SEE TABLE
ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	DELTA PORT MANIFOLD	AA8530

ENGINEERED CONTROLS INTERNATIONAL, LLC.		REGO		REGO CRYO-FLOW	
ELIOT, N.C. 27244		ELIOT, N.C. 27244		ELIOT, N.C. 27244	
THIS DRAWING IS THE PROPERTY OF ENGINEERED CONTROLS INTERNATIONAL, LLC.		THIS DRAWING IS THE PROPERTY OF ENGINEERED CONTROLS INTERNATIONAL, LLC.		THIS DRAWING IS THE PROPERTY OF ENGINEERED CONTROLS INTERNATIONAL, LLC.	
ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.	
TITLE		DELTA PORT		FOR ANHYDROUS AMMONIA	
DRAWING NUMBER		AA8530 SER		C	

Manitoba
THIS IS PART OF CRN
0H 20584.54

Office of the Fire Commissioner
Investigation & Forensic Services
Technical Services
CRN



NOTE:
1. TEST PER AA8530-100.


UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK
NUNAVUT

NOVA SCOTIA
YUKON

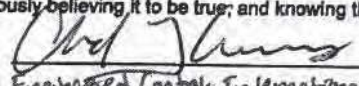
PRINCE EDWARD ISLAND
NORTHWEST TERRITORIES

NEWFOUNDLAND AND LABRADOR

MANUFACTURERS NAME: ENGINEERED CONTROLS INTERNATIONAL LLC	
MANUFACTURERS ADDRESS: 100 REGO DRIVE, ELON, NC-27244	
PLANT LOCATIONS: SAME AS ABOVE	
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 I 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 ASME B31.3
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 checked="" type="checkbox"/> OTHER <input type="checkbox"/> DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: AA8530	

DECLARATION:

I CHAD THOMAS (see note 2) employed by ECI LLC 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 ISO 9001/ULINC 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 Engineered Controls International, NC


This 1st day of February AD 2018

Commissioner of Oaths
or Notary Public: (sign)



(Affix Official seal to the right)

MARISA E. ELLIOTT
NOTARY PUBLIC
 USE THIS SPACE FOR THE
ALAMANCE COUNTY
NORTH CAROLINA
 my commission expires 8/31/2021

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>0H20584.54</u> Expires on <u>july 31st/2028</u> * FID#: _____	
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.	

* Note Reg No. AA8530 Rec c


 April 29th/2019.


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 REGO DRIVE, ELON, NC-27244	
PLANT LOCATIONS: SAME AS ABOVE	
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 ASME B31.3
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: AA 8530	

DECLARATION:

I CHAD THOMAS (see note 3) employed by ECI LLC 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 ISO 9001/ ULINC 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: 

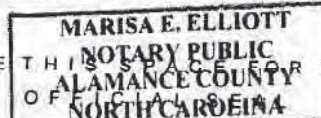
Declared before me at Engineered Controls International, NC

This 1st day of February AD 2018

Commissioner of Oaths
or Notary Public: (sign)

Marisa E. Elliott

(Affix Official seal to the right)



my commission expires 8/31/2021

This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: _____	
FID#: _____	
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.	