

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

www.tssa.org

January 18, 2017

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

Service Request Type: BPV-Fitting Registration

Service Request No.: 2000502

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.:

0H19102.5

Main Design No.:

Dwg. No. MVE2D Rev. H, Manifold 1" Fill

Expiry Date:

18-Jan-2027

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 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 Fax: 416.231.6183 Customer Service: 1.877.682.8772 www.tssa.org

National Design Registration Application for a CRN

Technical Standards and Safety Act Boilers and Pressure Vessels Regulation

INTAKE GROUP

Please indicate the type of design: Boiler Pressur	e Vessel Fitting	
T 1 (1 OPN)	e vesser Militaria	Agent 2000 506 -W
Existing CRN:(if applicable)		Again St. Park
Section A: Submitter Company Name: ENGINEERED CONTROLS INTERNATIONAL, LLC.	Section B: Invoicee Company Name:	Same as: ☑A ☐ C ☐ D
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: 336-449-7707 Fax:	Telephone:	Fax:
Contact Name: CHAD THOMAS	Contact Name:	
E-mail: cthomas@regoproducts.com	E-mail:	
Job No./Reference:	Purchase Order No.:	
Drawing/Catalog No.: MVEQT		
Acct/Cust No.: A 400283 8-913915	Acct/Cust No.:	
	D Section D: Manufactu (If more then one please a	
Company Name:	Company Name:	
Address:	Address:	
City/Town: Province/State:	City/Town:	Province/State:
Postal/Zip Code: Country:	Postal/Zip Code:	Country:
Telephone: Fax:	Telephone:	Fax:
Contact Name:	Contact Name:	
E-mail:	E-mail:	
Acct/Cust No.:	Acct/Cust No.:	
Registration required in the following jurisdictions:		
✓ Ontario ✓ Saskatchewan ✓ British Columbia ✓ Manitoba ✓ Alberta ✓ Quebec	Nova Scotia Prince Edward Island	✓ Newfoundland and Labrador ✓ Yukon ✓ Northwest Territories ✓ Nunavut
Deposit included: CDN \$600.00 - Ontario and up to 2 additional	provinces CDN \$1,200.00	O - Ontario and 3 or more additional provinces
Cheque No.		
(Deposit to be applied to the incurred fees when all jurisdictions are con	nplete – any charges over and abo	ove deposit amount will be invoiced at that time.)
Return mail address: A B C Optional:	Courier Collect Courier n	ame:
Signed: MM. Thums	Account I	No.:
Date: JAN /8, Cold Reviewing Engineer:	JAM VALCIC	CRN Issued: 0H/9/02.5

PV 09557 (06/16)

Number Description MVE2D Manifold	Catogoni	System					
MVE2D Manifold 450154 450154 Stainless Steel Pipe, ASTM A249, TP304L 1337C-22 SER 1337C-22 C, D, E Stainless Steel Pipe, ASTM A249, TP304L 450043 450043 FC Brass, UNS C36000, ASTM B16 2227-31 2227-31 FC Brass, UNS C36000, ASTM B16 450058 450058 Stainless Steel Pipe, ASTM A249, TP304L 1337-66 1337-66 Stainless Steel Pipe, ASTM A249, TP304L 1337-62A 1337-62A Stainless Steel Pipe, ASTM A249, TP304L 1337-62A 1337-62A Stainless Steel Pipe, ASTM A249, TP304L BKA8408-1C BKA84085-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9403-1C B-94045T-1 Bronze Cast Alloy, UNS C92200, ASTM B61	category	Number	Description	Drawing Number		Body Material	Service
1337C- 22 SER 1337C- 2C C, D, E Stainless Steel Pipe, ASTM A249, TP304L 450043 450043 FC Brass, UNS C36000, ASTM B16 2227-31 2227-31 FC Brass, UNS C36000, ASTM B16 2227-30 2227-30 FC Brass, UNS C36000, ASTM B16 450058 450058 FC Brass, UNS C36000, ASTM B16 450058 450058 Stainless Steel Pipe, ASTM A249, TP304L 1337-66 1337-66 Stainless Steel Pipe, ASTM A249, TP304L 1337-62A 1337-62A Stainless Steel Pipe, ASTM A249, TP304L BKA8408-1C BKA84085-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9403-1C B-9404ST-1 Bronze Cast Alloy, UNS C92200, ASTM B61	Ι	MVE2D	Manifold	450154			Pressure
1337C-22 C, D, E Stainless Steel Pipe, ASTM A249, TP304L 450043 FC Brass, UNS C36000, ASTM B16 2227-31 FC Brass, UNS C36000, ASTM B16 450058 Stainless Steel Pipe, ASTM A249, TP304L 1337-66 Stainless Steel Pipe, ASTM A249, TP304L 1337-62A Stainless Steel Pipe, ASTM A249, TP304L 1337-62A Stainless Steel Pipe, ASTM A249, TP304L BKA84085-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-94045T-1 Bronze Cast Alloy, UNS C92200, ASTM B61 B-94045T-2 Bronze Cast Alloy, UNS C92200, ASTM B61				+CTOC+	450154	Stainless Steel Pine ASTM ADAG TROOM	
450043 FC Brass, UNS C36000, ASTM B16 2227-31 FC Brass, UNS C36000, ASTM B16 2227-30 FC Brass, UNS C36000, ASTM B16 450058 Stainless Steel Pipe, ASTM A249, TP304L 1337-66 Stainless Steel Pipe, ASTM A249, TP304L 1337-62A Stainless Steel Pipe, ASTM A249, TP304L 1337-62A Stainless Steel Pipe, ASTM A249, TP304L BKA84085-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61				1337C- 22 SER	1337C-22 C. D. F	Stainless Stool Diag Actas Ages -	009
2227-31 FC Brass, UNS C36000, ASTM B16 2227-30 FC Brass, UNS C36000, ASTM B16 450058 Stainless Steel Pipe, ASTM A249, TP304L 1337-66 Stainless Steel Pipe, ASTM A249, TP304L 1337-62A Stainless Steel Pipe, ASTM A249, TP304L BKA84085-2 Stainless Steel Pipe, ASTM A249, TP304L BKA84085-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-1 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61				450043	450043	EC Brace LINE COCCO.	009
2227-30 FC Brass, UNS C36000, ASTM B16 450058 Stainless Steel Pipe, ASTM A249, TP304L 1337-66 Stainless Steel Pipe, ASTM A249, TP304L 1337-62 Stainless Steel Pipe, ASTM A249, TP304L 1337-62A Stainless Steel Pipe, ASTM A249, TP304L BKA8408S-2 Stainless Steel Pipe, ASTM A249, TP304L BKA8408S-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-1 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61				2227-31	227-31	FC Bildss, UNS C36000, ASTM B16	009
2227-30 FC Brass, UNS C36000, ASTM B16 450058 Stainless Steel Pipe, ASTM A249, TP304L 1337-66 Stainless Steel Pipe, ASTM A249, TP304L 1337-62A Stainless Steel Pipe, ASTM A249, TP304L 1337-62A Stainless Steel Pipe, ASTM A249, TP304L BKA84085-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-1 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61				טר דררר	16-1777	FC Brass, UNS C36000, ASTM B16	900
450058 Stainless Steel Pipe, ASTM A249, TP304L 1337-66 Stainless Steel Pipe, ASTM A249, TP304L 1337-62A Stainless Steel Pipe, ASTM A312, TP304L 1337-62A Stainless Steel Pipe, ASTM A249, TP304L 8KA84085-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-1 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61				2227-30	2227-30	FC Brass LINS C36000 ACTM B15	
1337-66 Stainless Steel Pipe, ASTM A249, TP304L 1337-66 Stainless Steel Pipe, ASTM A249, TP304L 1337-62A Stainless Steel Pipe, ASTM A312, TP304L 1337-62A Stainless Steel Pipe, ASTM A249, TP304L 8KA84085-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-1 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61				450058	450058	Statistics, ones caused, ASLIM BIB	009
1337-66 Stainless Steel Pipe, ASTM A249, TP304L 1337A-22C Stainless Steel Pipe, ASTM A312, TP304L 1337-62A Stainless Steel Pipe, ASTM A249, TP304L BKA84085-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-1 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61				77 555	90000	Stainless Steel Pipe, ASTM A249, TP3041	009
1337A-22C Stainless Steel Pipe, ASTM A312, TP304L 1337-62A Stainless Steel Pipe, ASTM A312, TP304L BKA84085-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-1 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61				1337-66	1337-66	Stainless Steel Ding ACTAN ASAG	3
1337-62A Stainless Steel Pipe, ASTM A312, TP304L 1337-62A Stainless Steel Pipe, ASTM A249, TP304L BKA84085-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61				1337A- 22 SFR	1337A 22C	Ct	009
1337-62A Stainless Steel Pipe, ASTM A249, TP304L BKA8408S-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-1 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61					777-W/55T	Stainless Steel Pipe, ASTM A312 TP2041	000
BKA8408S-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-1 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61				1337-62A	1337-62A	Stainless Ctool Diag Actas ages	000
B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61				BKA8408-1C	BKA9Anor 2	Stanness Steel Pipe, ASTM A249, TP304L	009
B-9404ST-1 Bronze Cast Alloy, UNS C92200, ASTM B61 B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61				0 0400 40	DNA64063-2	Bronze Cast Alloy, UNS C92200, ASTM B61	600
B-9404ST-2 Bronze Cast Alloy, UNS C92200, ASTM B61				B-9403-1C	B-9404ST-1	Bronze Cast Allow LINE COSSON ASTACK	200
DIOTIZE CAST Alloy, UNS C92200, ASTM B61				B-9403-1C	B-94045T-2	Brosse Cast Alley, ONS CSZZUU, ASTIM B61	009
					7-10-0-0	ordinze Cast Alloy, UNS C92200, ASTM B61	009





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	LARATION littings	
I, CHAD THOMAS, VP GLOBAL ENGINEERING		
(Name and Position, e.g. President, Plant Manager, Chief Engineer)	ger, 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 <i>Technical Standards and Safety Act</i> , Boilers and Pressure Vessels Regulation, comply with all of the requirements of ASME B31.1	≭ to the Technical Standards a । s of	nd Safety Act, Boilers
(Title of recognized North American Standard) which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service;	andard) Ure ratings, identification marking th	e 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.	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, asis for such ratings, the marking of the fitting for identification and service.	factured to comply with material of construction, I 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	system meeting the requirements RITERS LABORATORY INC	of ISO90001
The items covered by this declaration, for which I seek registration, are category "H" this application, the following information and/or test data are attached as follows: SEE ATTACHED LIST		type fittings. In support of
(drawings, calculations, test reports, etc.)	s, etc.)	
Declared before me at Engineered Cartral'S INTIVE Flow in the Columnty the 16th day of December AD 20 16.		of Mamance, NC
Commissioner for Oaths:	,	
Mandel E. Collith	ly M. M.	cm
(Carrente)	(Signature of Declarer)	arer)

ALAMANCE COUNTY MARISA E. ELLIOTT NORTH CAROLINA NOTARY PUBLIC

MY COMMISSIM EXPINES 8/31/2021

ram sels

pressure Ves Safety Pro

FOR OFFICE USE ONLY

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

Registered by:

CRN:

Dated:

Standards and Safety Authority Technical

72N 18, 627 £107, SAN

PARTY DWG. NO. MVED REV. H. MANIFOLD. NOTE; This registration expires on:



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

March 13, 2017

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

Service Request Type.: BPV-National BC

Service Request No.: 2021400

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.: 0H19102.51.

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



505 - 6th Street, Suite 200 New Westminster, BC V3L 0E1

> Toll Free: 1-866-566-SAFE Fax: (778) 396 - 2064 www.safetyauthority.ca

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

Date:

February 11, 2017

Account #: 35231 Journal #: 67305 Our File #: 5611396

Attn: TANYA FRANCIS

Application for Design Registration

The design, as detailed in your, TSSA SR# 2021400, for a Fitting is accepted for registration as follows:

Registered To: ENGINEERED CONTROLS

INTERNATIONAL LLC

CRN:

0H19102.51

MAWP: 600 psig

Drawing #: MVE2D

Drawing Revision: H

Conditions Of Registration:

Registration of a Manifold 1" Fill per scope & dwg sheets (att'd 2 pgs).

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 January 18, 2027. 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@safetyauthority.ca Design Administration

cc:

(PROD) 30400-20 GST #: 87391 2802 RT0001

Salaye and Assessment		から は 一人 は 一人 ないかい かいかい かいかい は かいかい かいかい かいかい かいかい かい				
Category	Number	Description	Drawing Number	Body Number	Body Mass.	Service
I	MVE2D	Manifold	AEOAFA		couy material	Drocellan
			420124	450154	Stainless Steel Dine ACTAL ACTAL ACTA	Bincesia
			1337C- 22 SER	1337C-22 C. D. F	Stainless Steel Pipe, ASTIM A249, 1P304L	009
			450043	450043	EC Bross Title Cocces	009
			2227-31	227-31	C Brass, UNS C36000, ASTM B16	009
			2227-30	227.31	FC Brass, UNS C36000, ASTM B16	009
			450058	450058	FC Brass, UNS C36000, ASTM B16	009
			1337-66	1337-66	Stainless Steel Pipe, ASTM A249, TP304L	009
			1337A- 22 SER	1337A-22C	Stainless Steel Pipe, ASTM A249, TP304L	900
			1337-62A	1337-624	Stainless Steel Pipe, ASTM A312, TP304L	900
			BKA8408-1C	BKA84085-7	Stainless Steel Pipe, ASTM A249, TP304L	900
1			B-9403-1C	B-9404ST-1	Bronze Cast Alloy, UNS C92200, ASTM B61	900
			B-9403-1C	B-9404ST-2	Brosse Cast Alloy, UNS C92200, ASTM B61	009
					DIGITAL CAST Alloy, UNS C92200, ASTM B61	900





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, 2017

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

Service Request Type.: BPV-National CSA

Service Request No.: 2021406

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- 0H19102.56.

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



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

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



STATUTORY DECLARATION Registration of Fittings

CHAD THOMAS, VP GLOBAL ENGINEERING

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

of ENGINEERED CONTROLS INTERNATIONAL, LLC

(Name of Manufacturer)

Located at 100 REGO DRIVE, ELON, NC - 27244

336-449-7707

🗹 do solemnly declare that the fittings listed hereunder, which are subject to the Technical Standards and Safety Act, Boilers (Telephone No.) and Pressure Vessels Regulation, comply with all of the requirements of (Plant Address)

which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service; (Title of recognized North American Standard)

or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with as supported by the attached data which identifies the dimensions, material of construction, pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service.

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

type fittings. In support of The Items covered by this declaration, for which I seek registration, are category "H"

this application, the following information and/or test data are attached as follows: SEE ATTACHED LIST

(drawings, calculations, test reports, etc.)

Declared before me at Engineered Controls Intil 61 in the COUNTY

day of December AD 20 16

the

Commissioner for Oaths:

Marisa E. Elliot

Munish & Ellioth (Signature)

a Commissioner, etc., City of Toronto, for the Technical Standards & Safety Authority

Expires July 24, 2019.

Colleen Anne Ratcliff,

Signature: .(

Emps (Signature of Declarer)

My Commission expires \$131/2021

ALAMANCE COUNTY

NOTARY PUBLIC

NORTH CAROLINA

MARISA E. ELLIOTT

or Alamance, NC

REGISTERED

CRN: CSA-0H19102.56

Registration Process administered by CSA Group per CSA B51 Note: See attachment as the scope of registration.

CSA-OH19102.56

Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and To the best of my knowledge and belief, the application meets the requirements of the

CSA Standard B51 and is accepted for registration in Category

FOR OFFICE USE ONLY

A. BANWATT

Registered by:

CRN:

Dated:

APRIL - 12-2014

JAN - 18 - 202;

NOTE: This registration expires on:

PV 09553 (06/16)

					Г	T	1	Τ	Ι	T	Т	Т	Т		_
		Service	Pressure	900	009	009	009	009	900	9009	009	900	900	009	009
		Body Material	Chainless Charl Di	Stainless steel Pipe, ASTM A249, TP304L	Stailliess Steel Pipe, ASTM A249, TP304L	FC Brass, UNS C36000, ASTM B16	FC Brass, UNS C36000, ASTM B16	Stainland UNS C36000, ASTM B16	Stallilless Steel Pipe, ASTM A249, TP304L	Stainless Steel Pipe, ASTM A249, TP304L	Stainless Steel Pipe, ASTM A312, TP304L	Bronze Cort All 1850	Bronze Cast Allow UNS C92200, ASTM B61	Bronze Cast Alloy, UNS C92200, ASTM B61	Cast Alloy, ONS C92200, ASTM B61
	Body Number	10.20	450154	1337C-22 C D F	450043	2227-31	2227-30	450058	1337-66	1337A-22C	1337-62A	BKA84085-2	B-9404ST-1	B-9404ST-2	
	Drawing Number	45047.4	450154	1337C- 22 SER	450043	2227-31	2227-30	450058	1337-66	1337A- 22 SER	1337-62A	BKA8408-1C	B-9403-1C	B-9403-1C	
	Description	Manifold													
System	Number	MVE2D													
Cobon	Category	I													







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

May 03, 2017

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

Service Request Type.: BPV-National MB

Service Request No.: 2021416

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.: 0H19102.54.

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

508 - 401 York Avenue Winnipeg Manitoba R3C 0P8 T (204) 945-3373 F (204) 948-2309

www.firecomm.gov.mb.ca/codes steam pressure.html

April 18, 2017

TSSA 345 Carlingview Drive Toronto, ON M9W 6N9

Attn: Tanya Francis

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
MVE2D REV.H MANIFOLD 1" FILL	0H19102.54	37551

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**. This registration expires **January 18, 2027**.

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

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

Regards,

Ryan Orlesky, C.E.T.

Design Surveyor

Office of the Fire Commissioner

Inspection and Technical Services Manitoba

508 - 401 York Avenue

Winnipeg, Manitoba, R3C 0P8

Phone: 204-945-3373

Email: ryan.orlesky@gov.mb.ca



Technical Standards and Safety Authority 345 Carlingview Drive Toronto, Ontario M9W 6N9

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



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 this application, the following information and/or test data are attached as follows: SEE ATTACHED LIST The items covered by this declaration, for which I seek registration, are category Located at 100 REGO DRIVE, ELON, NC - 27244 of ENGINEERED CONTROLS INTERNATIONAL. LLC 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 CHAD THOMAS, VP GLOBAL ENGINEERING or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with pressure/temperature ratings and the basis for such ratings, the marking of the fitting for identification and service. which specifies the dimensions, materials of construction, pressure/temperature ratings, identification marking the fittings and service; (Plant Address) (Name and Position, e.g. President, Plant Manager, Chief Engineer) STATUTORY DECLARATION as supported by the attached data which identifies the dimensions, material of construction (Title of recognized North American Standard) (drawings, calculations, test reports, etc.) Registration of Fittings (Name of Manufacturer) 336-449-7707 type fittings. In support of (Fax No.)

a Commissioner, etc., City of Toronto, for the Technical Standards & Safety Authority Declared before me at EMINIORS CINTRIS INFILE in the Commissioner for Oaths: the To the best of my knowledge and belief, the application meets the requirements of the Murian E. Ellioth Marisa E. Elliot (Printed name) (Signature) day of DECEMBER AD 20 16 FOR OFFICE USE ONLY Technical Services Manitoba Signature of Declarer)

or Alamanue, NC

Expires July 24, 2019.

Colleen Anne Ratcliff

NORTH CAROLINA

ALAMANCE COUNTY

NOTARY PUBLIC

MARISA E. ELLIOTT

my commission expires \$/31/2021

NOTE: This registration expires on: PV 09553 (06/16)

CRN:

CSA Standard B51 and is accepted for registration in Category

9/02.54

Technical Standards and Safety Act, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accented for registration in Category H

Registered by:

Signed:

C.R.N.: 0H/9/02.

Manitoba V

Commissioner

come

Category System Des	H MVE2D M																	
Description Drawin	Manifold 4	+	1337		45	22		2	22	22	22 4!	22 41 13	22 41 13 1337.	1337,	1337, 1337,	1337, BKA	22 41 13 1337, 1337, BKA: B-9	22 4! 13 1337, 1337, BKA, B-9
Drawing Number	450154	TOTO	1337C- 22 SER 1	1	450043	2227-31	111	777 70	2227-30	227-30 50058	2227-30 450058	2227-30 450058 1337-66	2227-30 450058 1337-66 1337A- 22 SER	227-30 50058 537-66 A- 22 SER 37-62A				
Body Number	AFOAFA	450154	337C-22 C D E	בסט/נ-22 C, D, E	450043	יה דררר	2221-31		2227-30	2227-30 450058	450058	2227-30 450058 1337-66	2227-30 450058 1337-66 1337A-22C	2227-30 450058 1337-66 1337A-22C	2227-30 450058 1337-66 1337A-22C 1337-62A	2227-30 450058 1337-66 1337A-22C 1337-62A BKA8408S-2	2227-30 450058 1337-66 1337A-22C 1337-62A BKA84085-2	2227-30 450058 1337-66 1337A-22C 1337-62A BKA8408S-2 B-9404ST-1
Body Material		Stainless Steel Pipe ASTM ADAG TROOM	Chill Section pe, ASTIVI A249, 1P304L	Stainless Steel Pipe, ASTM A249, TP3041	EC Brace LINE COCOO ACTO TO THE	FC brass, UNS C36000, ASTM B16		FC Brass, UNS C36000, ASTM B16	FC Brass, UNS C36000, ASTM B16 FC Brass, UNS C36000 ASTM B16	FC Brass, UNS C36000, ASTM B16 FC Brass, UNS C36000, ASTM B16	FC Brass, UNS C36000, ASTM B16 FC Brass, UNS C36000, ASTM B16 Stainless Steel Pipe, ASTM A249, TP304L	FC Brass, UNS C36000, ASTM B16 FC Brass, UNS C36000, ASTM B16 Stainless Steel Pipe, ASTM A249, TP304L Stainless Steel Pipe, ASTM A249, TP304I	FC Brass, UNS C36000, ASTM B16 FC Brass, UNS C36000, ASTM B16 Stainless Steel Pipe, ASTM A249, TP304L Stainless Steel Pipe, ASTM A249, TP304L Stainless Steel Pipe, ASTM A249, TP304L	FC Brass, UNS C36000, ASTM B16 FC Brass, UNS C36000, ASTM B16 Stainless Steel Pipe, ASTM A249, TP304L Stainless Steel Pipe, ASTM A312, TP304L Stainless Steel Pipe, ASTM A312, TP304L	FC Brass, UNS C36000, ASTM B16 FC Brass, UNS C36000, ASTM B16 Stainless Steel Pipe, ASTM A249, TP304L Stainless Steel Pipe, ASTM A312, TP304L Stainless Steel Pipe, ASTM A249, TP304L	FC Brass, UNS C36000, ASTM B16 FC Brass, UNS C36000, ASTM B16 Stainless Steel Pipe, ASTM A249, TP304L Stainless Steel Pipe, ASTM A249, TP304L Stainless Steel Pipe, ASTM A312, TP304L Stainless Steel Pipe, ASTM A249, TP304L	FC Brass, UNS C36000, ASTM B16 FC Brass, UNS C36000, ASTM B16 Stainless Steel Pipe, ASTM A249, TP304L Stainless Steel Pipe, ASTM A249, TP304L Stainless Steel Pipe, ASTM A312, TP304L Stainless Steel Pipe, ASTM A249, TP304L Bronze Cast Alloy, UNS C92200, ASTM B61	FC Brass, UNS C36000, ASTM B16 FC Brass, UNS C36000, ASTM B16 Stainless Steel Pipe, ASTM A249, TP304L Stainless Steel Pipe, ASTM A312, TP304L Stainless Steel Pipe, ASTM A312, TP304L Stainless Steel Pipe, ASTM A249, TP304L Bronze Cast Alloy, UNS C92200, ASTM B61 Bronze Cast Alloy, UNS C92200, ASTM B61
Service	Pressure	600	600	600	000	600	500	٥٥٥	000	600	600	600	600	600	600	600	600	600 600 600 600





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

April 12, 2017

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

Service Request Type.: BPV-National ACI Central

Service Request No.: 2021394

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.: 0H19102.59870YTN.

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

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLANORTHWEST TERRITO	AND I	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME				
MANUFACTURERS ADDR	500000000000000000000000000000000000000	Centrols Ji	Honati	mal 21.0
PLANT LOCATIONS:	100 Reso	Daire P	Con 12	C= 2421.6
	some as a	bove	7.00	7
A Pipe fittings lockuring or	FITTINGS TO BE REGISTERED.	CIRCLE ONE CATEGORY	ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
B Flanges: all flanges	ouplings, taes, elbows, Ys, plugs, u	nions, pipe caps, or reducer:	3	
C Valves: all line valves D Expansion loints flexible	Connections and			ACME B31-1
	connections, and hose assemblies		1	
P Measuring devices, inclu-	ding pressure gauges, level gauges	J. sight glasses, levels or	1	
G Certified capacity-rated of	PRESURE PRINT DE LA CONTRACTOR DE LA CON			ł
bollers, pressure vessele	, piping and fusible plugs	a primary over pressure pro	lection on	i
N Nuclear company to	onenis that do not fall into one of the	a abaya catogorias	- 1	
SHOW MANUFACTURERS	BES 1 D. CIRES 2 D. CIRES 3 D. (A	Acating AECB or ASME root	ulrementa)	
Hamalunish Sela	NAME TRADEMARK, OR LOGO	AS IT WILL APPEAR ON T	HE PRODUCT	TYPE OF CONSTRUCTION
IN CAR	a			FORGED D. WELDED C WROUGHT CO CAST COTHER CO DESCRIBE OTHER:
				DESCRIBE OTHER:
		34.5	1	
LIST OF SUPPORTING DO	CUMENTATION AND IDENTIFICA	TION OF THE ACTUAL IN		
	- VOC 50-2018		MS TO BE REGI	STERED:
Sea aft	Cached list	_		1
an	achied dist			1
				ŀ
				. [
DECLARATION:				v .
Charle ham		FAT		
esponsibility for the quality	of the end product do solemnly	doctors that the lateral	and being	the person having full authority and this form is true and to the best of
IN KIIOWIEDOB PARPARANIA II	TO MEANING CONTRACTOR OF	The same and still of the	mon contained is	I Inia form is true and to the bank
HAV RAN DRE TIED III	Food by / (1) A Quantity	A STATE OF THE PARTY OF THE PAR	na to pach blant	Where fabrication occurs is where
eclaration conscientiously	believing it to be true, and know	Ing that it is of the same	force and afford	urpose and I make this solemn
ignature of Declarer,	had Ill Thou	m-		as il mada under oath.
eclared before me at En	1000000 CS tale = 111	/=1	MARIS	A E. ELLIOTT
1/-1/40	The state of the s	IEM USI	E T HNI GTS	RY PUBLIC THE
Day of U	recember AD 2011	0 1	HULF	KX LORFIC. , JE
ommissioner of Oaths		<u> </u>	Q F FalaC	1.4-1-6-6 4 1
	Mairy & Carist		ALAMA	NCE COUNTY
r Notary Public: (sign)	Mansu E. Colist	1	ALAMA NORTI	NCE COUNTY I CAROLINA
r Notary Public: (sign)	Mandu E. Coliot (Affix Official seel to the right)	1 /	NORTI V Commis	NCE COUNTY I CAROLINA
	(Affix Official seal to the right)	<u>1</u>	NORTI Y Commis	NCE COUNTY I CAROLINA SIM EXPIRS 8/31/2021
This	(Affix Official seal to the right)	<u>1</u>	NORTI Y Commis	NCE COUNTY I CAROLINA SIM EXPIRS 8/31/2021
	(Affix Official seal to the right)	for Regulatory Authority used after ten (10) years fro	ALAMA NORTI Y Commis m the data glad	NCE COUNTY I CAROLINA SIM EXPIRES 8/31/2021 CHATED
This	(Affix Official seal to the right)	for Regulatory Authority used after ten (10) years fro	NORTI Commis The data ACC VINCE OF PRI	NCE COUNTY I CAROLINA SIM EXPIRES 8/31/2021 CEPTED NCE EDWARD ISLAND
This	(Affix Official seal to the right)	for Regulatory Authority used after ten (10) years fro	NORTI Commis The data Ala VINCE OF PRI MUNITIES, L	NCE COUNTY I CAROLINA SIM EXPIRES 8/31/2021 CHATED
This CRN: 0H19102.5 FID#: 1704	(Affix Official seal to the right)	for Regulatory Authority used after ten (10) years fro	NORTI Commis The data Ala VINCE OF PRI MUNITIES, L	NCE COUNTY I CAROLINA SIM EXPIRES 8/31/2021 CEPTED NCE EDWARD ISLAND
This CRN: 0H19102.5	Affix Official seal to the right) This space a registration must be revalidate	for Regulatory Authority used after ten (10) years fro	MEAMA NORTH NORTH Commis The date Alex VINCE OF PRI MUNITIES, L N. O	NCE COUNTY I CAROLINA SIM EXPIRES 8/31/2021 CEPTED NCE EDWARD ISLAND
This CRN: 0H19102.5 FID#: 1704 Notes: All fittings shall be registered. Each category shall be supplied.	Affix Official seal to the right) This space a registration must be revalidate	for Regulatory Authority used after ten (10) years fro	MEAMA NORTH NORTH Commis The date Alex VINCE OF PRI MUNITIES, L N. O	NCE COUNTY I CAROLINA SIM EXPIRES 8/31/2021 CEPTED NCE EDWARD ISLAND
This CRN: 0H19102.5 FID#: 1704 Votes: All fittings shall be registered. Each category shall be supported and one copy of supported.	Affix Official seal to the right) This space a registration must be revalidated as registration and registration as registration and registration as registration and registration and registration as registration and re	for Regulatory Authority used after ten (10) years fro COM	ALAMA NORTI Y COYMMIS IN THE date Alex VINCE OF PRI AMUNITIES, L N. O TE: F	I CAROLINA STAN EXPIRES 8/31/2021 SEPTED INCE EDWARD ISLAND AND & ENVIRONMENT SIDER 10 2.59
This CRN: 0H19102.5 FID#: 1704 Notes: All fittings shall be registered. Each category shall be supported and one copy of supported. The doctaration shall be mainly of the quality of th	Affix Official seal to the right) This space a registration must be revalidate a registration must be revalidate as a registration must be revalidate as a registration must be revalidate as a registration of the Manufacturer. Some documentation, the by the person having full public as a registration of the person having full public as a registration.	for Regulatory Authority used after fon (10) years fro COM	ALAMA NORTI Y COYMMIS IN THE date Alex OVINCE OF PRI MUNITIES, L N. O TE: FINISPECTION	NCE COUNTY I CAROLINA SIM EXPIRES 8/31/2021 CEPTED NCE EDWARD ISLAND

UNIFORM STATISTORY DECLARATION FORM

CHIPOKHISTAT	UTURY DEGLARATIO	IN FORM FOR TH	<u>E REGISTRATI</u>	ON OF FITTING DESIGNS	1
NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD NORTHWEST TE	DISLAND	NEWFOUNDLAND AND LAB	-
MANUFACTURERS NAME:		7	4	1.	
MANUFACTURERS ADDRESS:	Engineered	Towns	Johns	utional LLC	
PLANT LOCATIONS:	100 Regs	Derive ,	e-lon,	NC- 292114	
CATEGORY OF FITTI	NGS TO BE REGISTERED	CIRCLE DUE CATE	1000 011111	. ,	
A Pipe fittings, including coupling	s, tees, elbows, Ys, plugs	Unione nine cone es m	duna -	TITLE OF THE STANDARD OF CO	NSTRUCTION
B Flanges: all flanges C Valves: all line valves	o ,,,,, p.ogo,	amona, hiha caha, ut te	ducers	ASME B31	. ,
D Expansion joints, flexible conn	ections, and hose assembli	as all hose		12116 001	7
S OUTINESS, TITOM, accomptom, a	nd slaam franc				1
.F Measuring devices, including pressure transmitters					- 1
G Certified capacity-rated pressu	ire relief devices acceptable	as primary over pressu	re protection on		i
boilers, pressure vessels, pipii H Pressure retaining component					1
N Nuclear components: Class 1	☐ Class 2 ☐ Class 3 ☐.	(Meeting AFCR or ASM	E requirements)		
SHOW MANUFACTURERS NAM	E, TRADEMARK, OR LOG	AS IT WILL APPEAR	ON THE PRODUC	TYPE OF CONSTRUCT	ON
The control of the co		,		FORGED I WELDED I WROU	
<i> </i>	R)	*		DESCRIBE OTHER:	
		•	•		- 1
LIST OF SUPPORTING DOCUM	ENTATION AND IDENTIFIE				
The same of the sa	ENTATION AND IDENTIFIC	ATION OF THE ACTU	ALITEMS TO BE	REGISTERED:	
C 10	ched dis	1			
see arial	ched dis	7			1
					•
DECLARATION:		FAT			
responsibility for the quality of the my knowledge represents the property of	he end product do solemi	nly declare that the in	and t	eing the person having full at	thority and
my knowledge represents the pitemperature ratings, and identifi	roduct for which registrat	on is sought. The di	mensions, materi	als of construction pressure	the best of
manufacture of these fillnes to	manufated by a County of	MICH MICH MICH THE LE	rein named stan	dards. I further declare that th	8
or in part and has been vedfed	hu 100 9 000	Indi Flogram which	extends to each	plant where fabrication occur	In whole
declaration conscientiously belief	eving it to be true, and kn	owing that it is of the	same force and	effect as if made under oath	solemn
Signature of Declarer:	of M. Ito	ning			
Declared before me at ENGIN	repeat Contrals Tul	11/5/100	MA	RISA E. ELLIOTT	
This 10th day of Dea	1 1111111111	1/5/11	USETHN	STARY PUBLIC ^R T	HE
uny or De	ember AD 20	10	A.F.E	MANCE COUNTY	
Commissioner of Oaths Micor Notary Public: (sign)	ansu E. Ellis	PH	NO	DTU CAROLINA	1
	ffix Official seal to the right)			RTH CAROLINA	
10	The second secon	an for Boundales A. III	my com	missiun expires 8/	31/2021
This re	gistration must be revalid	ace for Regulatory Authorized after ten (10) ve	are from the date	ol acceptance	
01110100			are non me date	PRESSURE VEGO	
CRN: UH19102.5			ERE	TORE IS	
FID#: 1704			(8)	1001	
				eb.01/17	
Notes:			CRN. OF	119102.58	1
			-	5 6	11
1. All fittings shall be registered in	the name of the Manufactur	er.			
forms and one copy of supporting	ed with two Statutory Declar documentation	ation	Dwg. as	described	
forms and one copy of supporting of 3. The declaration shall be made to	ed with two Statutory Declar documentation. by the person having full auti	ation	Dwg. as	described	
4. Cach calegory shall be supported	ed with two Statutory Declar documentation, by the person having full auti and product.	ation	Dwg. as	described	

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAM	15 : 	7	
MANUFACTURERS ADD	200040000000000000000000000000000000000	entrols Interna	tional LLC
PLANT LOCATIONS:	100 Rega	Daive clon	NC- 27244
	FITTINGS TO BE REGISTERED. C	DVC	, , ,
A Pipe fittings, including	couplings, tees, elbows, Ys, plugs, uni	ORS DIDE CARE OF TRICKING	TITLE OF THE STANDARD OF CONSTRUCTION
B Flanges: all flanges C Valves: all line valves	, , , , , , , , , , , , , , , , , , , ,	ons, pipe caps, or reducers	ASME B31-1
D Expansion joints, flexib	le connections, and hose assemblies:	all types	72000
- Suamers, filters, separa	ators, and steam traps luding pressure gauges, level gauges,		
brossera manathiffela			
	pressure relief devices acceptable as is, piping and fusible plugs		
Pressure retaining com	ponents that do not fall into one of the	above categories	1
SHOW MANUFACTURERS	Class 1 Class 2 Class 3 C, (Me	eting AECB or ASME requirements) S IT WILL APPEAR ON THE PRODUC	
	THE THE PROPERTY OF THE PROPER	S IT WILL APPEAR ON THE PRODUC	TYPE OF CONSTRUCTION FORGED WELDED WROUGHT
DEG	a	14	CAST OTHER DESCRIBE OTHER:
LIST OF SUPPORTING			
LIST OF SUPPORTING D	OCUMENTATION AND IDENTIFICAT	ION OF THE ACTUAL ITEMS TO BE R	EGISTERED;
0	Plached list		
See an	tached dist	-	
			9
1.			
DECLARATION:			
I Charl han	(see note 3) employed by	ECT 111 and and be	eing the person having full authority and
responsibility for the quality	ty of the end product do solemnly	declare that the information contained	eing the person having full authority and ed in this form is true and to the best of
temperature ratings and i	dentification modines are in	a sought. The difficusions, materia	is of construction, pressure
manufacture of these fittin	gs is regulated by a Quality Control	of Program which extends to each p	ards. I further declare that the lant where fabrication occurs in whole
declaration conscientious	v believing it to be true, and knowing	ng that it is of the same force and e	lant where fabrication occurs in whole nat purpose and I make this solemn
	1-13/1 1/200	ing that it is of the same force and e	ffect as if made under oath.
Signature of Declarer:	100000	MAR	ISA E. ELLIOTT
11000		EM USETHNIS	TARY PUBLIC THE
day of _	December AD 2016	9 SEEN	AG NATA SOFT ALL
Commissioner of Oaths or Notary Public: (sign)	Mausu & Gooists	NOD	TANCE COUNTY
or Hotary Fublic. (sign)	(Affix Official seal to the right)	NOR	TH CAROLINA
		My Comp	nissim expires 8/31/2021
TI	nis registration must be revalidated	or Regulatory Authority use	Nouveers
CRN: 0H19102.5		Drui	STATER
			BLIC SAFETY
FID#:1704		BOILER & PRES	SURE VESSEL ACT
		REGISTRA	ATION ONLY
Notes: 1. All fittings shall be registed.	red in the name of the Manufacturer.	CON (DH 19102.57
4. Each category shall be st	IDDORED with two Statutory Declaration	CRN	
forms and one copy of suppo 3. The declaration shall be n	nade by the person having full authority	and maranaman //	Els Japan
responsibility tot the draits of	of the end product	المعالمة الم	for
at a maximum interval of five	shall be resubmitted for validation (5) years.		RINOPECTOR
	8	DATE: Fel	17,2017
		L BLRs	☐ PVs

TITTINGS COMPONENTS

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS **NEW BRUNSWICK** NOVA SCOTIA PRINCE EDWARD ISLAND NEWFOUNDLAND AND LABRADOR NUNAVUT YUKON NORTHWEST TERRITORIES MANUFACTURERS NAME: MANUFACTURERS ADDRESS PLANT LOCATIONS: CATEGORY OF FITTINGS TO BE REGISTERED. CIRCLE ONE CATEGORY ONLY TITLE OF THE STANDARD OF CONSTRUCTION Pipe fittings, including couplings, teas, elbows, Ys, plugs, unions, pipe caps, or reducers B Flanges; all flanges REME B31-1 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 bollers, 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 AEC8 or ASME requirements) SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT TYPE OF CONSTRUCTION FORGED WELDED WROUGHT CAST COTHER C CAST GOTHE LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE REGISTERED: attached list DECLARATION: 1 Chad Monorad (see note 3) employed by ECT LL C 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 150 900/100 100 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 path. MARISA E. ELLIOTT E THNOTARY PUBLIC THE day of

Signature of Declarer: Declared before me at EMMICHA This Loth Commissioner of Oaths or Notary Public: (sign) (Affix Official seal to the right)

ALAMANCE COUNTY NORTH CAROLINA MY Commission expires 12021

This space for Regulatory Authority use

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

CRN: 0H19102.5

FID#: 1704

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

2. Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation.

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.

Newforkulland Labrador

Service NL

Registered OH19102.5

Engineering and inserval

Registered by

UNIDER THE AUTHORIT PUBLIC SAFETY ACT AND THE BOILER, PRESSURE VESSEL AND

COMPRESSED C#9 REGULATIONS

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORI	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME:	Essian	C-1-1. 4-1	
MANUFACTURERS ADDRE	SS: Unered	Controls July	ornational LLC
PLANT LOCATIONS:	100 Rego	Darre Ele	m, 12c- 272 44
CATEGORY OF F	ITTINGS TO BE REGISTERED.	CIRCLE ONE CATEGORY OF	IV.
A Pipe fittings, including cou	uplings, tees, elbows, Ys, plugs, u	inlone nine care or reducem	LY TITLE OF THE STANDARD OF CONSTRUCTION
B Flanges: all flanges C Valves: all line valves		mineria, pipo capa, or reducers	ASME B31-1
D Expansion joints, flexible	connections, and hose assemblie	s' all types	1/2//2 \$3//
= Strainers, filters, separato	rs, and steam trans	153-250	
biassnia tratistilitteta	ling pressure gauges, level gauge		
G Certified capacity-rated pr	ressure relief devices acceptable	as primary over pressure protec	tion on
bollers, pressure vessels, H Pressure retaining compo	nents that do not fall into one of the	16 above categories	
N Nuclear components: Cla	iss 1 🗆 Class 2 🗆 Class 3 🗆. (Meeting AECR or ASME require	ements)
SHOW MANUFACTURERS	NAME, TRADEMARK, OR LOGO	AS IT WILL APPEAR ON THE	PRODUCT TYPE OF CONSTRUCTION
ACTORIST CONTRACTOR OF THE PROPERTY OF THE PRO	Marie Santan Ad.		FORGED WELDED WROUGHT
) (B)	¥	DESCRIBE OTHER:
		В	
LIST OF SUPPORTING DOC	CUMENTATION AND IDENTIFIC	, 47/01/07 = 1	
	ZOMENTATION AND IDENTIFIC	ATION OF THE ACTUAL ITEM	S TO BE REGISTERED;
C 14	cached lis	1	
see att	achied dis	7	
		3	
1			i i
DECLARATION:	<u> </u>	EAT 1.	
responsibility for the quality	of the end product do solemn	ly dodare that the later will	and being the person having full authority and on contained in this form is true and to the best of
my knowledge represents ti	he product for which registration	on is sought. The dimension	on contained in this form is true and to the best of its, materials of construction, pressure
or in part and has been veri	lified by 100 9000	illoi Program which extends	to each plant where fabrication occurs in whole
declaration conscientiously	believing it to be true, and know	owing that it is of the same for	table for that purpose and I make this solemn orce and effect as if made under oath.
Signature of Declarer:	Last M. Sho	un _	and the chief as it made and croati.
	Minegral Cashale + 11	1/2/100	MARISA E. ELLIOTT
This 10th	gineered Controls Inti		THNOTARY PUBLICE THE
This to day of t	Heember AD 20	16	ALAMANCE COUNTY
Commissioner of Oaths	Maury & GADIE	-fu	
or Notary Public: (sign)	Mary C. Ella		NORTH CAROLINA
	(Affix Official seal to the right)	M	Commission expires 8/31/202
Thi	This spa is registration must be revalida	ce for Regulatory Authority use	
1	- region and most be revenue	red alter ten (10) years from	the date of acceptance.
CRN: 0H19102.5	 .		
FID#:1704			
	A Proposition of the Proposition		RIMENT OF
Notes:			By By To
1. All fittings shall be register	ed in the name of the Manufacture	er.	CRN0H19102.5Y
forms and one copy of suppor	pported with two Statutory Declara	ition	DATE 2/27/2017
3. The declaration shall be m	ade by the person having full auth	ority and	
responsibility for the quality of	the end product.	•	OILERS BRANCH
at a maximum interval of five	half be resubmitted for validation (5) years.		
			*

NEW BOLINGIARDY	DECLARATIO	N FURM FOR TH	EREGISTRATI	ON OF FITTING DESIGNS	
NUNAVUT	OVA SCOTIA	PRINCE EDWAR	DISLAND		OOR
MANUFACTURERS NAME:	00:00-00	7	4.1	1.	
MANUFACTURERS NAME: MANUFACTURERS ADDRESS: MANUFACTU					
MONAFACTURERS NAME: MANUFACTURERS NAME: MANUFACTURERS NAME: MANUFACTURERS ADDRESS: DO BOD BOD CONTROL STORMAND AND LABRADOR MONTHWEST TERRITORIES MANUFACTURERS ADDRESS: DO BOD BOD CONTROL STORMAND AND LABRADOR AND LABRAD					
MANUFACTURERS NAME: MANUFACTURERS ADDRESS: DO ROD DELLA ACCURE ACCOUNTY MANUFACTURERS ADDRESS: DO ROD DELLA ACCURE ACCURED TO RECOVER ACCURED					
A Pipe fittings, including couplings &	and others March	CIRCLE ONE CATEG	ORY ONLY	TITLE OF THE STANDARD OF CONSTR	UCTION
	ace, elocwe, te, pluge, ul	nions, pips caps, or re	ducera		
D Expansion folds flexible consents				B31-1	
r Measuring daylcae, including nmas	ure gauges, level gauges	s, sight glasses, levels	. 07		
G Carlifled capacity-rated pressure of	allef davices accombable a				
boliera, pressura vossels, piping a	nd fusible plugs	a printary over pressu	to protection on	1	
M. Nucleus components the	t do not fall into one of the	a above categories		1	
HOW MANUFACTURED STATE	Jines 2 Class 3 C. (N	Acoling AECB or ASM	E requirements)		
	MADENIARK, OR LOGO	AS IT WILL APPEAR	ON THE PRODUC	TYPE OF CONSTRUCTION	
DECO				CAST WOOTHER D WROUGHT	
		*	2.	DESCRIBE OTHER:	
		•			
IST OF SUPPORTING DOCUMENT	ATION AND IDENTIFICA				
	THOU PERTIFICA	TION OF THE ACTU	ALITEMS TO BE R	EGISTERED:	
Con le 1	1 1.	,			
see anach	ed list				
		7			
					2000
•					-
	x				
ECLARATION;_					
Chaol homos	(see note 3) employed by	ECT L	20 and be	Ing the nemon boules follows	
Knowlodge represents the production	id product do solemnly	declare that the int	omation containe	ed in this form is true and to the h	ty and
DUDINIUM FRIDOS ONA Identification	M		MIDIDINE INDICIONA	O UI CUITSTITUCTION, Pranguiro	
inulacture of those fittings is regul	aled by a Quality Cont	rol Program which	ent named stand;	ant where february in the	
claration conscientingly believing	130 700//	DE INC as be	ing suitable for th	at purpose and I make this solem	hole
	and was and know	ving that it is of the	same force and el	fect as If made under oath.	
nature of Declarer,	M. lon	ms-			
dared bofore me at EMMICH	of Controls Tutil	TEIAN .	MAR	ISA E. ELLIOTT	
11 oth	1 4:	1	TE THNO	TARY PIFEFAR THE	
mmlerlaneral Oatha	70	10	A EAN	19 NOTE COTTAIN	
Notary Public: (slop) Man	ou 9. CODIST	X	NOR	THEADOLD	
			AULIA	TH CAROLINA	
(Allik O			my comm	hissim expires 8/31/1	202
This registra	eogge an i Mon must be revoluted	for Regulatory Author	MAZ TIBA		-
0410102 5	The state of the s		rs from the date	Paccaplance.	
W: 0113102.5					
D#- 1704	. :		/	Northwest	
			<i>f</i>	Territories	8
don't			<i>;</i> ′	REGISTERED	
All fittings shall be mulatored in the no	ame of the Manufacture		(UI	NDER THE AUTHORITY	0
Encircularly suffice and ported will	NA Statutant Production	n	į Ti-	E BOILER AND PRESSI	URF
ing and one copy of anticourse 400 in	anistian		1	VESSEL ACT.	
politicity for the quality of the and ar	nduel	ty and	\ 01	AN DH19102,5T	
Quality control programs shall be mad	bmitted for validation			ENED ONA	
a maximum interval of five (5) years.			1 011	INEU	P

\$163.00

18678730117

To:ACI Central

NEW BRUNSWICK NOVA SCOTIA PRINCE EDWARD IS NUNAVUT YUKON NORTHWEST TERR	
MANUFACTURERS NAME:	9-1-15
MANUFACTURERS ADDRESS:	international LLC
PLANT LOCATIONS:	Flon, 12C- 27244
CATEGORY OF FITTINGS TO BE REGISTERED, CIRCLE ONE CATEGOR	RY ONLY TITLE OF THE STANDARD OF CONSTRUCTION
A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reduc	
B Flanges: all flanges C Valves: all line valves	ASME B31-1
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 bollers, 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 r	requirements)
SHOW MANUFACTURERS NAME, TRADEMARK, OR LOGO AS IT WILL APPEAR OF	
	FORGED WELDED WROUGHT
	DESCRIBE OTHER:
LIST OF SUPPORTING DOCUMENTATION AND IDENTIFICATION OF THE ACTUAL	ITEMS TO BE REGISTERED.
See attached list	
arachest as 1	<u>.</u>
	* .
DECLARATION:	
1_Charl Marco at large role 3) employed by ECT // and being the name to its fill it	
responsibility for the dudity of the end product of spigmory decising the information contained in this farm to the end of the the en	
temperature ratings, and identification markings are in accordance with the berein named standards 1.5 of construction, pressure	
manuaciona di masa munda la requisted de si Control Program which avianda la anchimination de la control de la con	
or in part and has been verified by 150 900/100 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.	
11/1/2011	
Signature of Declarer:	MARISA E. ELLIOTT
Declared before me at EMMERED Controls Int'I /Elan	SE THNOTARY PUBLIC THE
This 10th day of December AD 2016	Q F Fala Light Set A.L.
Commissioner of Oaths or Notary Public: (sign) Manay E. Colioth	ALAMANCE COUNTY
, , , , , , , , , , , , , , , , , , , ,	NORTH CAROLINA
(Affix Official seal to the right)	my commission expires 8/31/2021
This registration must be recalled the floates	NUNAVUT
This registration must be revalidated after ten 10 year	Boilers and
CRN: 0H19102.5	00.25
FID#: 1704	avut Pressure Vessels Act
11011, 2707	REGISTERED
Notes:	- 11
All fittings shall be registered in the name of the Manufacturer.	<u>DH 19102, SN</u>
Each category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. Date	Feb 17 2017
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	1,11011114
at a maximum interval of five (5) years.	Chief Inspector
	Chiefyliphectol
Т	erritorial Registration Fee