

14th Floor, Centre Tower 3300 Bloor Street West Toronto, Ontario Canada M8X 2X4 Tel.: 416.734.3300 Fax: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

March 15, 2016

CATHERINE DIPLOCK PRESSURE VESSEL ENGINEERING LTD. 120 RANDALL DR SUITE B WATERLOO ON N2V 1C6 CA

Service Request Type: BPV-Fitting Registration Service Request No.: 1814792 Your Reference No.: PVE-9587 Registered to: MARSHALL EXCELSIOR COMPANY

Dear CATHERINE DIPLOCK,

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

CRN No.: 0C18324.5 Main Design No.: ESV VALVES 3/4" THRU 4" - SEE SCOPE OF REGISTRATIO 9587S-0 (2PGS) Expiry Date: 15-Mar-2026

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

A stamped copy of the approved registration and invoice for engineering services will be mailed to you shortly. Should you have any questions or require further assistance, however, 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,

Zivko Gacevic P. Eng. Mechanical Engineer, BPV Tel.: 416-734-3429 Fax: 416-231-6183 Email: <u>zgacevic@tssa.org</u>



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

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

PRESSURE VESSEL ENGINEERING 120 RANDALL DRIVE WATERLOO ON N2V 1C6
 Date:
 April 5, 2016

 Account #:
 45363

 Journal #:
 65014

 Our File #:
 5583909

Attn: CATHERINE DIPLOCK

Re: Application for Design Registration

The design, as detailed in your, PVE-9587, for a Fitting is accepted for registration as follows: **Registered To:** MARSHALL EXCELSIOR COMPAN' **CRN:** 0C18324.51

MDMT: -44 deg F	MAWT: 2	200 dea F	MAWP:	400 psig

Drawing #: Scope Sheet 9587s-0

Conditions Of Registration:

Registration of Emergency Shut Off Valves 3/4" thru 4" per scope of registration sheets (2pgs).

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 March 15, 2026. 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:

Marshall Excelsior Company

Scope of Registration

- Design Code: ASME B31.3 2014 Edition
- Design Pressure: 400 psi
- Design Temperature: 200 °F
- M.D.M.T: -44 °F @ 400 psi
- Corrosion allowance: 0 for non-corrosive service
- RT: None
- PWHT: None
- Impact test: Exempted per 323.2.2
- Body Material: A536 GRD 654512

ESV Valves:

Refer to attached Marshal Excelsior catalog

Part No.	description	Drawing	Tested Sample
ME980-6	3/4" FNPT Emergency Shutoff Valve (ESV)	ME980-X	15010393-1
ME980-8	1" FNPT Emergency Shutoff Valve (ESV)	ME980-X	15010393-1
ME980C-6	3/4" FNPT Emergency Shutoff Valve (ESV)	ME980C-X	15010393-1
ME980C-8	1" FNPT Emergency Shutoff Valve (ESV)	ME980C-X	15010393-1
ME980-10	1-1/4" FNPT Emergency Shutoff Valve (ESV)	ME980XXX-10	15010393-2
ME980C-10	1-1/4" FNPT Emergency Shutoff Valve (ESV)	ME980XXX-10	15010393-2
ME980-12	1-1/2" FNPT Emergency Shutoff Valve (ESV)	ME980XXX-12	15010393-2
ME980C-12	1-1/2" FNPT Emergency Shutoff Valve (ESV)	ME980XXX-12	15010393-2
ME980-16	2" FNPT Emergency Shutoff Valve (ESV)	ME980XXX-16-XX	15010393-3



9587s-0

Marshall Excelsior Company

ME980C-16	2" FNPT Emergency Shutoff Valve (ESV)	ME980XXX-16-XX	15010393-3
ME980-24	3" FNPT Emergency Shutoff Valve (ESV)	ME980XXX-24-XX	15010393-4
ME980C-24	3" FNPT Emergency Shutoff Valve (ESV)	ME980XXX-24-XX	15010393-4
ME980-16-2F	2" - 300 lb. Flange Emergency Shutoff Valve (ESV)	ME980XXX-16-XX	15010393-3
ME980C-16-2F	2" - 300 lb. Flange Emergency Shutoff Valve (ESV)	ME980XXX-16-XX	15010393-3
ME980-24-3F	3" - 300 lb. Flange Emergency Shutoff Valve (ESV)	ME980XXX-24-XX	15010393-5
ME980C-24-3F	3" - 300 lb. Flange Emergency Shutoff Valve (ESV)	ME980XXX-24-XX	15010393-5
ME980-24-4F	4" - 300 lb. Flange Emergency Shutoff Valve (ESV)	ME980XXX-24-XX	15010393-5
ME980C-24-4F	4" - 300 lb. Flange Emergency Shutoff Valve (ESV)	ME980XXX-24-XX	15010393-5





April 04, 2016

Attention: Catherine Diplock PRESSURE VESSEL ENGINEERING INC 120 RANDALL DRIVE SUITE B WATERLOO, ON N2V 1C6

The design submission, tracking number 2016-01831, originally received on March 22, 2016 was surveyed and accepted for registration as follows:

CRN : 0C18324.52

Reg Type: New Design

Drawing No.: SEE SCOPE OF REGISTRATION 9587S-0

Fitting type: ESV VALVES 3/4" THRU 4"

Design registered in the name of : MARSHALL EXCELSIOR

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

- This registration has been issued:

1. Based on TSSA's review.

2. Based on the Association of Chief Inspectors Policy on Reciprocal Recognition of Design Review.

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

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

If you have any question don't hesitate to contact me by phone at (780) 433-0281 ext 3369 or fax (780) 437-7787 or e-mail Radisavljevic@absa.ca.

Sincerely,

Zaua Padisarlipevil

RADISAVLJEVIC, ZANA, R.E.T.

Accepted on: April 04, 2016 Expiry Date: March 15, 2026



2202 2nd Avenue Regina, SK S4R 1K3 Canada (306) 787-1443 info@tsask.ca www.tsask.ca

REGISTRATION OF FITTING DESIGN

11-Apr-16

Pressure Vessel Engineering 120 Randall Drive, Suite B Waterloo, Ontario N2V 1C6

ATTENTION: Catherine Diplock

File Number: 10105 [0 F]

With reference to your submission respecting the registration of the item below, for legal use in the province, please note we have surveyed and registered this design in accordance with The Boiler and Pressure Vessel Act.

MANUF	ACTURER: Marshall Excels	ior Compa	ny
CATAL	OG OR DRAWING: Scope of Registration 9587s-0		
ITEM:	Emergency Shut-off Valve	CRN:	OC18324.53

We wish to point out that every fitting must be constructed strictly in accordance with the registered design.

Fitting registrations are required to be resubmitted for validation after ten (10) years from the registration date in accordance with CSA B51, Clause 4.2.1. The date of expiry for this registration is **March 15, 2026.**

Sincerely,

Ling

Liting (Frank) Huang, Engineer-in-Training Codes and Standards Compliance

REMARKS: CRN registered under reciprocal agreement.



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

May 10, 2016

Pressure Vessel Engineering 120 Randall Dr. Suite B Waterloo, ON N2V 1C6

Attn: Catherine Diplock

REGISTRATION OF VALVES AND FITTINGS

Manufacturer: MARSHALL EXCELSIOR COMPANY

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
EMERGENCY SHUTOFF VALVES SCOPE: 9587s-0	0C18324.54	36421

An invoice covering survey and registration fees is enclosed.

NOTE: This registration expires November 13, 2022. CRN registered under reciprocal agreement & is conditional based on compliance with the notes set by the original issuing Jurisdiction: TSSA.

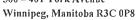
This registration is valid until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration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

MANITOBA
DEPARTMENT OF LABOUR
AND IMMIGRATION
500 – 401 York Avenue





STATUTORY DECLARATION REGISTRATION OF FITTINGS

(a) Design Qualification
1. FRANCO DOMINGO (See Note 2) VICE PRESIDENT
VICE PRESIDENT
of <u>MansHace Excession Company</u> Name of company)
(501 Concer Re Managura May 1901 C
located at 1506 GEORGE BROWN DRIVE, MARSHALL, M/ 49068 (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.
A are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with <u>ASME 33/.3 20/4 EOTTION</u> code or 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 <u>JSO 9001</u> , and has been verified by the following authority or authorized agency
The fittings covered by this declaration, for which I seek registration, are VALVES
In support of the application, the following information, calculations and/or test data are attached:
SEE Scope OF REGISTRATION 95875-0 RO, MANSHALL EXCESSION CATALOG,
CALCULATIONS, TEST REPORTS
Declared before me at CALHOON COUNTY in the province state of MICHIGAN the 15
day of FEBRUARY AD 20 /6 JENNIFER MODERT Notary Public, State of Michigan
A (commissioner for oaths)
Senurge Modert Acting in the County of Calhown
Signature of Destater
(For Official Use Only)
The application is accepted for registration in Category in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.
This registration must be revalidated after ten (10) years from the date of acceptance.
EXPIRES: MARCH 15, 2016
Registered Number CRN For the Chief Inspector
Date: MAY 10, 2016

Notes:

This form shall be completed and signed by the president or highest official in the manufacturing plant where the fitting is produced.
 <u>Two</u> completed copies of Statutory Declaration form together with <u>two</u> copies of Catalogs, drawings or Bulletins illustrating above fittings shall be submitted.

(3) All fittings are required to be registered in the name of the Manufacturer.

Scope of Registration

- Design Code: ASME B31.3 2014 Edition
- Design Pressure: 400 psi
- Design Temperature: 200 °F
- **M.D.M.T:** -44 °F @ 400 psi
- **Corrosion allowance:** 0 for non-corrosive service
- RT: None
- PWHT: None
- Impact test: Exempted per 323.2.2
- Body Material: A536 GRD 654512



ESV Valves:

Refer to attached Marshal Excelsior catalog

Part No.	description	Drawing	Tested Sample
ME980-6	3/4" FNPT Emergency Shutoff Valve (ESV)	ME980-X	15010393-1
ME980-8	1" FNPT Emergency Shutoff Valve (ESV)	ME980-X	15010393-1
ME980C-6	3/4" FNPT Emergency Shutoff Valve (ESV)	ME980C-X	15010393-1
ME980C-8	1" FNPT Emergency Shutoff Valve (ESV)	ME980C-X	15010393-1
ME980-10	1-1/4" FNPT Emergency Shutoff Valve (ESV)	ME980XXX-10	15010393-2
ME980C-10	1-1/4" FNPT Emergency Shutoff Valve (ESV)	ME980XXX-10	15010393-2
ME980-12	1-1/2" FNPT Emergency Shutoff Valve (ESV)	ME980XXX-12	15010393-2
ME980C-12	C-12 1-1/2" FNPT Emergency Shutoff Valve (ESV) ME980XXX-12 15010		15010393-2
ME980-16	2" FNPT Emergency Shutoff Valve (ESV) ME980XXX-16-XX 150103		15010393-3

ME980C-16	2" FNPT Emergency Shutoff Valve (ESV)	ME980XXX-16-XX	15010393-3
ME980-24	3" FNPT Emergency Shutoff Valve (ESV)	ME980XXX-24-XX	15010393-4
ME980C-24	3" FNPT Emergency Shutoff Valve (ESV)	ME980XXX-24-XX	15010393-4
ME980-16-2F	2" - 300 lb. Flange Emergency Shutoff Valve (ESV)	ME980XXX-16-XX	15010393-3
ME980C-16-2F	2" - 300 lb. Flange Emergency Shutoff Valve (ESV)	ME980XXX-16-XX	15010393-3
ME980-24-3F	3" - 300 lb. Flange Emergency Shutoff Valve (ESV)	ME980XXX-24-XX	15010393-5
ME980C-24-3F	3" - 300 lb. Flange Emergency Shutoff Valve (ESV)	ME980XXX-24-XX	15010393-5
ME980-24-4F	4" - 300 lb. Flange Emergency Shutoff Valve (ESV)	ME980XXX-24-XX	15010393-5
ME980C-24-4F	24-4F 4" - 300 lb. Flange Emergency Shutoff Valve (ESV) ME980XXX-24-XX 1501		15010393-5



Le 8 juin 2016.

MRS. CATHERINE DIPLOCK PRESSURE VESSEL ENGINEERING LTD 120 RANDAL DR., SUITE B WATERLOO ONTARIO CANADA N2V 1C6

REFERENCE : C.R.N. application ME980C-X REV.C, ME980-X REV.D, ME980XXX-10 REV. ME980XXX-12 REV.A

VALVES 3/4" TO 4"

OUR REFERENCE : 956533

MANUFACTURER : MARSHALL EXCELSIOR COMPANY

1506 GEORGE BROWN DRIVE MARSHALL MI

U.S.A. 49068

Dear Madam,

According to our law respecting pressure vessels, your plans have been accepted and registered under the number 0C18324.56.

FRANCOIS GRONDIN

Inspecteur

Bureau d'expertise et d'homologation en équipements sous pression 545, boulevard Crémazie est, 7 ème étage Montréal (Québec) Canada H2M 2V2

Téléphone :(514)873-6459Sans frais :1866262-2084Télécopieur :(514)873-9936

<u>JNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING D</u>	ESIGNS

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME:	Marshall Excelsio	r Company	
MANUFACTURERS ADDRESS:	1506 George Brow	wn Drive, Marshall, MI 49068	
PLANT LOCATIONS:		wn Drive, Marshall, MI 49068	
CATEGORY OF FITTIN	IGS TO BE REGISTER	ED. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
boilers, pressure vessels, pipi H Pressure retaining component	ections, and hose asser nd steam traps ressure gauges, level g ure relief devices accept ng and fusible plugs s that do not fall into ond	nblies: all types auges, sight glasses, levels, or able as primary over pressure protection on	ASME B31.3 2014 Edition
		OGO AS IT WILL APPEAR ON THE PRODUC	T TYPE OF CONSTRUCTION
MEC			FORGED WELDED WROUGHT CAST OTHER DESCRIBE OTHER:
See scope of registration 9587S-0 R	O, Marshall Excelsior Cata	TIFICATION OF THE ACTUAL ITEMS TO BE log, Calculations, Test Reports	REGISTERED:
		×.	
		, K	ж. К
DECLARATION:		ved by Marshall Excelsion Company	

I Franco Domingo (see note 3) employed by Marshall Excelsior Compary 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 TRC 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

decidration 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:	JENNIFER MODERT Notary Public, State of Michigan S County of Calhoùn P A C My Commission Expires Jan, 22, 2020 Acting in the County of COUNCIDED FOR
This space for Reg	ulatory Authority use
	ten (10561-9600000000000000000000000000000000000
CRN: 0C18324.5	CARGERSARY CARENAL IN IN SUCCESSION OF THE CONTRACT OF THE CARENAL STREET,
2020	REGISTRATION ONLY
FID#: 2089	CBN /0218324.51
Notes: 1. All fittings shall be registered in the name of the Manufacturer. 2. Each category shall be supported with two Statutory Declaration	EXAMINER for
forms and one copy of supporting documentation.	CHIEF BOILER INSPECTOR
3. The declaration shall be made by the person having full authority and	
responsibility for the quality of the end product.	DATE: Upul 12016
Quality control programs shall be resubmitted for validation	UAIL.
at a maximum interval of five (5) years.	BLRs PVs ^{Sect. 1.0 -} Fittings Rev. 1 06/2003
	FITTINGS COMPONENTS

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

	YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME:	Marshall Excelsior C	Company	
MANUFACTURERS ADDRESS		Drive, Marshall, MI 49068	3
PLANT LOCATIONS:		Drive, Marshall, MI 49068	
		. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION ASME B31.3 2014 Edition
boilers, pressure vessels, pl H Pressure retaining component N Nuclear components: Class	anections, and hose assemb and steam traps pressure gauges, level gau sure relief dévices acceptab ping and fusible plugs nts that do not fail into one c 1 Class 2 Class 3	lles: all types ges, sight glasses, levels, or le as primary over pressure protection on	
			FORGED WELDED WROUGHT CAST OTHER D
(MEC)			UCSUNIDE UTHER;
			-
LIST OF SUPPOPTING DOCL	IMENTATION AND IDENT	FICATION OF THE ACTUAL ITEMS TO BE R	
See scope of registration 95875-0	RO, Marshall Excelsior Catalo	g, Calculations, Test Reports	
 my knowledge represents the temperature ratings, and ide manufacture of these fittings or in part and has been veri declaration conscientiously Signature of Declarer: 	of the end product do solve product for which regisentification markings are is is regulated by a Quality fied by TRC believing it to be true, an alhoun Gounty, Misebruary AD	d knowing that it is of the same force and JENNIFER Notary Public, St Scounty of Acting in the County of Acting in the County of	ned in this form is true and to the best ials of construction, pressure indards. I further declare that the plant where fabrication occurs in who that purpose and I make this solenin effect as if made under oath. MODERT ale of Michigan CalhoûnP A 12 E F 10 1
Тг		ils space for Regulatory Authority use evalidated after ten (10) years from the da	ale of acceptance.
CRN: 0C18324.5	: 	CR & PRE	RED
FID#: 2089		Date_Apr	one Est
		C.R.N. OC 193	24 50
Notes:	ered in the name of the Man	n • na •	24.58 Ecribed

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UNICODES CTATUTORY DECLADATION FORM	
UNIFORM STATUTORY DECLARATION FORM	FOR THE REGISTRATION OF FITTING DESIGNS

	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME:	Marshall Excelsio	or Company	
MANUFACTURERS ADDRESS:		wn Drive, Marshall, MI 49068	
PLANT LOCATIONS:	1506 George Brow	wn Drive, Marshall, MI 49068	
CATEGORY OF FITTI	NGS TO BE REGISTER	ED, CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCT
 Planges: all finnges Valves: all finnges Valves: all finnges Expansion joints, floxible conr E Strainers, filters, separators, a F Measuring devices; including i pressure transmitters G Certified capacity-rated press bollers, pressure vescels, pip H Pressure retaining component 	nections, and hose asser and stoam traps ~ prossuro gaugos, loval g ura rallaf davices accept ing and fusible pluga ts that do not fail into on	jauges, sight glasses, levels, or lable as primary over pressure protection on le of the above categories	ASME B31.3 2014 Edition
N Nociear components: Class	1 L Class 2 L Class 3	D, (Meeting CNSC or ASME requirements)	
MEC	IC. IKADEMARK, OR L	OGO AS IT WILL APPEAR ON THE PRODUC	TIVE OF CONSTRUCTION RORGEO UNELDED UNROUGHT U CAST OTHER O DESCRIBE OTHER:
See scope of registration 95875-0 F		, source of the second s	
DECLARATION:			
Franco Domingo responsibility for the quality of my knowledge reprosents the temperature ratings, and ideni manufacture of these filtings is or in part and has been verifie	product for which reg tification markings are a regulated by a Qual d by TRC	byed by <u>Marshall Excelsior Compary</u> and colomnly declare that the Information conta pistration is sought. The dimensions, mate in accordance with tho horein named sta lity Control Program which extends to eacl as being suitable fo and knowing that it is of the same force an	alned in this form is true and to the b srials of construction, pressure indards. I further declare that the h plant where fabrication occurs in w
I Franco Domingo responsibility for the quality of my knowledge represents the temperature ratings, and ident manufacture of thase fittings is or in part and has been verified declaration conscientiously be Signature of Declarar: Declared before me at Calh This 15 day of Feb Commissioner of Oaths	oun County, MI	alistration is sought. The dimensions, mate in accordance with the horein named sta lity Control Program which extends to each as being suitable fo and knowing that it is of the same force an	alned in this form is true and to the b arials of construction, pressure indards. I further declare that the h plant where fabrication occurs in w or that purpose and I make this solen d effect as If made under oath. IMODERT pate of Michigan
I Franco Domingo responsibility for the quality of my knowledge represents the temperature ratings, and ident manufacture of thase fittings in or in part and has been verified declaration conscientiously be Signature of Declaror:	oun County, MI	Control Program which extends to each accordance with the horein named sta lity Control Program which extends to each as being suitable fo as being suitable as being suitable	alined in this form is true and to the barrials of construction, pressure indards. I further declare that the h plant where fabrication occurs in wor that purpose and I make this solen d effect as If made under oath.
I Franco Domingo responsibility for the quality of my knowledge represents the temperature ratings, and ident manufacture of thase fittings in or in part and has been verified declaration conscientiously be Signature of Declaror:	oun County, MI	Control Program which extends to each as being suitable for as being suitable for as a being suitable for	alled in this form is true and to the barials of construction, pressure andards. I further declare that the h plant where fabrication occurs in w or that purpose and I make this solen d effect as if made under oath. MODERT into of Michigan (Gaihogn P A C E F O C into a A C E F O C into a A C C E F O C into a A C C E F O C into a C C C C C C C C C into a C C C C C C C C C C C C C into a C C C C C C C C C C C C C C C C C C
I <u>Franco Domingo</u> responsibility for the quality of my knowledge reprosents the temperature ratings, and ident manufacture of these fittings is or in part and has been verifie declaration conscientiously be Signature of Declarer: <u>Calh</u> Declared before me at <u>Calh</u> This <u>15</u> day of <u>Fet</u> Commissioner of Oaths or Notary Public: (sign)	oun County, MI	Automation declare that the information contaplatration is sought. The dimensions, mate is a contaplatration is sought. The dimensions, mate is a contaplatration is sought. The dimensions, mate is a contaplated at the horizon named stalling control Program which extends to each as being suitable for a being suitable f	alled in this form is true and to the barials of construction, pressure andards. I further declare that the h plant where fabrication occurs in w or that purpose and I make this solen d effect as if made under oath. MODERT Into of Michigan I GainoanP A C E F O I I OX 10 (000 A). Plans Jan, 22, 2020 I OX 10 (000 A). I OX 10 (000 A).

UNIFORMSTATL	TORY DECLARAT	ION FORM FOR THE REGISTRATION	ON OF FITTING DESIGNS
NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME:	Marshall Excelsior	Company	an a
MANUFACTURERS ADDRESS.	1506 George Brow	n Drive, Marshall, MI 49068	
PLANT LOCATIONS:	1506 George Brow	n Drive, Marshall, MI 49068	ann a chuir a guaranna a Ghara Bhara Bhara Bharanna an Gul Mharanna an Chuir a chuir a bharanna an Anna Anna An
	NGS TO BE REGISTERE	D. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
 A Pipe fittings, including coupling B Flanges: all flanges C Valves: all line valves D Expansion joints, flaxible connic E Strainers, filters, separators, a F Measuring davices, including pressure transmitters G Certified capacity-rated pressibilitiers, pressure vessels, pipi H Pressure retaining component 	nections, and hose assem Ind steam traps pressure gauges, level ga ure rellef devices accepta Ing and fusible plugs	nblies: all types nuges, sight glasses, levels, or nble as primary over pressure protection on	ASME 831.3 2014 Edition
		, (Meeting CNSC or ASME requirements)	
		OGO AS IT WILL APPEAR ON THE PRODU	
MEC		TIFICATION OF THE ACTUAL ITEMS TO B	FORGED WELDED D WROUGHT D CAST S OTHER D DESCRIBE OTHER:
See scope of registration 95875-0 i			
		n Marine and a second state of the second state of	
my knowledge represents the temperature ratings, and iden manufacture of these fittings or in part and has been verific	r ine end product do so product for which regi itification markings are is regulated by a Quail ed by TRC	olemnly declare that the information con istration is sought. The dimensions, ma in accordance with the herein named s ily Control Program which extends to ea as being suitable nd knowing that it is of the same force a	tandards. I further declare that the ich plant where fabrication occurs in who for that purpose and I make this solemn and effect as if made under oath.
-	noun County, MI bruary AD	Notary Public,	ER MODERT Slate of Michigan Iof Gathour A C E F : 1 Explore Jan, 22, 2020 of C Q MSX SYPE 1. A t
or Notary Public: (sign)	my Ma	let_	
		his space for Regulatory Authority use	and a second
This	registration must be r	revalidated after ten (10) years from the	date of acceptance.
CRN: 0C18324.5			Newfoundland
FID#: 2089			Sarvice NL
Notes: 1. All fittings shall be register 2. Each category shall be sup forms and one copy of suppor	ported with two Statutory		Registered <u>0617324.50</u> Cate <u>16104</u> 04 Engineering and inspection Socious

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

4. Quality control programs shall be resubmitted for validation

responsibility for the quality of the end product.

at a maximum interval of five (5) years.

Registered by UNDER THE AUTHORITY OF TH PUBLIC SAFETY ACT AND THE THE BOILERS PRE SOUREINESS R. AMD 06/2003 COMPRESSED GAS REGULATIONS

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

			I OF THING BLOIDING
VEW BRUNSWICK	NOVA SCOTIA YUKON	PRINCE EDWARD ISLAND NORTHWEST TERRITORIES	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME:	Marshall Excelsio	r Company	
MANUFACTURERS ADDRESS:	1506 George Brow	wn Drive, Marshall, MI 49068	
PLANT LOCATIONS:		wn Drive, Marshall, MI 49068	
CATEGORY OF FITTI		ED. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
 B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible conr E Strainers, filters, separators, a F Measuring devices, including pressure transmitters G Certified capacity-rated press boilers, pressure vessels, pip H Pressure retaining componen 	nections, and hose asser and steam traps pressure gauges, level g ure relief devices accept ing and fusible plugs ts that do not fall into on	auges, sight glasses, levels, or able as primary over pressure protection on	ASME B31.3 2014 Edition
	<u>IE, IRADEMARA, OK I</u>	OGO AS IT WILL APPEAR ON THE PRODUC	TYPE OF CONSTRUCTION FORGED WELDED WROUGHT CAST OTHER DESCRIBE OTHER:
temperature ratings, and iden manufacture of these fittings is or in part and has been verified declaration conscientiously b Signature of Declarer:	tification markings are is regulated by a Qual ed by TRC elieving it to be true, a noun County, Mi	JENNIFER	Ined In this form is true and to the best trials of construction, pressure ndards. I further declare that the h plant where fabrication occurs in who or that purpose and I make this solemn d effect as if made under oath. MODERT tate of Michigan
This <u>15</u> day of <u>Fe</u> Commissioner of Oaths or Notary Public: (sign)	mufe Mor	2016 My Commission Ex Acting in the County of	Courses and the area
	V -	This space for Regulatory Authority use	

This registration must be revalidated after ten (10) years from the date of acceptance. CRN: 0C18324.5 2089 FID#: OC18324.5

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.

Sect. 1.0 - Fittings Rev. 1 06/2003

4/1/2016

PS BRAS

UNIFORM STATUTORY	DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS	

NEW BRUNSWICK NUNAVUT	NOVA SCO YUKON		NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME:	Marshal	Excelsior Company	
MANUFACTURERS ADDRESS;	11506 Ge	brge Brown Drive, Marshall, MI 49068	
PLANT LOCATIONS:	11506 Ge	orge Brown Drive, Marshall, MI 49068	
CATEGORY OF FITTIN	GS TO BE	REGISTERED. CIRCLE ONE CATEGORY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
 A Pipe fillings, including coupling B Flanges: all flanges O Valves: all fine valves O Expansion joints, flexible connic E Strainers, fillers, separators, ar F Measuring devices, including p pressure transmitters 	s, loes, olbo clions, and d sleam tra ressure gau	wa, Ys, pluga, unions, pipe capa, or reducers	ASME B31,3 2014 Edition
policio, pressuro vessels, pipir	ng ang rusipi	e pluds	
H Pressure rotaining components	that do not	fall into one of the above categories	
N Nuclear components; Class 1	Class 2	Class 3 D, (Meeting CNSC or ASME requirements)	
SHOW MANUFACTURERS NAM	TRADEM	ARK, OR LOGO AS IT WILL APPEAR ON THE PRODUCT	TYPE OF CONSTRUCTION
MEC.			FORGED WELDED WROUGHY D CAST X OTHER D DESCRIBE OTHER:
LIST OF SUPPORTING DOCUM	ENTATION	AND IDENTIFICATION OF THE ACTUAL ITEMS TO BE RE celsior Catalog, Calculations, Test Reports	GISTERED:
	1		
temperature ratings, and identi- manufacture of these filtings is or in part and has been verified declaration conscientiously bei	roduct for fication ma regulated by TRC	a) employed by <u>Marshall Excelsior Compary</u> and be duct do solemnly declare that the Information container which registration is sought. The dimensions, material kings are in accordance with the herein named standa by a Quality Control Program which extends to each pl as boing suitable for the be true, and knowing that it is of the same force and el	o in this form is true and to the best of is of construction, pressure ards, I further declare that the ant where fabrication occurs in whole
Signature of Declarer:		JENNIFER MC	DEAT
Declared before me at <u>Calho</u> This <u>15</u> day of <u>Febr</u> Commissioner of Oaths	un County Uary	MI Notary Public, State Sourny lot Ca My Commission Explose Acting in the County of C	Inogn PACE FOR
or Notary Public: (sign)	Lufe	Modert	1
	$\frac{1}{1}$	This space for Regulatory Authority use	ALC: MARKEN
This re	gistration	must be revalidated after ten (10) years from the date	of acceptance
CRN: 0C18324.5			Norinwest Territorikes
FID#: 2089		1	THE AUTHORITY OF
Notes: 1. All fittings shall be registered 2. Each category shall be support forms and one copy of supporting 3. The declaration shall be made responsibility for the quality of the 4. Quality control programs shall at a maximum interval of five (5)	rted with two documents by the pore o ond produce bo resubmi	of the Manufacturer. Statutory Declaration tion. on heving full authority and SIGNED	VESSEL ACT.
			(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)

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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

NEW BRUNSWICK NUNAVUT	NOVA SCOTIA YUKON	PRINCE EDWARD I NORTHWEST TER	SLAND I	NEWFOUNDLAND AND LABRADOR
MANUFACTURERS NAME:	Marshall Excelsion	or Company		
MANUFACTURERS ADDRESS:	1506 George Bro	wn Drive, Marshall, MI	49068	
PLANT LOCATIONS:	1506 George Bro	own Drive, Marshall, MI	49068	
CATEGORY OF FITTI	NGS TO BE REGISTER	RED. CIRCLE ONE CATEGO	DRY ONLY	TITLE OF THE STANDARD OF CONSTRUCTION
 A Pipe fittings, including coupling B Flanges: all flanges C Valves: all line valves D Expansion joints, flexible conr E Strainers, filters, separators, a F Measuring devices, including pressure transmitters G Certified capacity-rated press boilers, pressure vessels, pipi H Pressure retaining component N Nuclear components: Class 1 	nections, and hose asse and steam traps pressure gauges, level ure relief devices accep ing and fusible plugs ts that do not fall into or	emblies: all types gauges, sight glasses, levels, otable as primary over pressur ne of the above categories	or e protection on	ASME B31.3 2014 Edition
SHOW MANUFACTURERS NAM				
LIST OF SUPPORTING DOCUM	VENTATION AND IDE			TYPE OF CONSTRUCTION FORGED WELDED WROUGHT C CAST OTHER D DESCRIBE OTHER:
See scope of registration 95875-0 F	RO, Marshall Excelsior Cat	alog, Calculations, Test Reports		
		x.		
			2	
temperature ratings, and iden manufacture of these fittings i or in part and has been verifie declaration conscientiously be Signature of Declarer:	product for which re tification markings ar is regulated by a Qua ed by TRC elleving it to be true, coun County, MI	gistration is sought. The c gistration is sought. The c re in accordance with the r ality Control Program whick and knowing that it is of th	Information contain dimensions, materia herein named stand h extends to each p baing suitable for t	lards. I further declare that the plant where fabrication occurs in whole hat purpose and I make this solemn effect as if made under oath. ODERT e of Michigan alho&nP A C E F (5, 5)
or Notary Public: (sign)	my Mo	det		1 - 11
	0	This space for Regulatory Au	nority use	
This	registration must be	revalidated after ten (10)	years from the date	e of accentlehoet IAV/ILT
0.01.0.0.1 -				NONAVUI
CRN: 0C18324.5	<u></u>			Boilers and
FID#: 2089			Nuñavut	Pressure Vensels Act
				I ISSUIN TUNSEIS ACL
Notes: 1. All fittings shall be registere 2. Each category shall be supp forms and one copy of support 3. The declaration shall be many responsibility for the quality of 4. Quality control programs shall a maximum interval of five (ported with two Statutor ing documentation. Ide by the person havin the end product. Itall be resubmitted for v	ry Declaration Ig full authority and	F CRN OC Date Ap Signed	REGISTENED 18324, SN ril 01 2016 Mulica Court Begoer of Chillings Rev. 1 06/2003
			Territor	ial Registration Fee