



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

www.tssa.org

February 22, 2024

MISTER CRN CONSULTING INC.
PO BOX 488
MONTAGUE PE C0A 1R0

Workorder Type: Registration - Fitting(Conventional)
Workorder No: 14194439
Your Reference No.: 5055
Registered to: THAI SOUTH-PAC METAL CO LTD

Dear Dennis Jones,

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

CRN : 0A3451.75

Main Design No.: catalogue: Cast Bronze Fittings (sizes upto 4")

Expiry Date: Nov 24, 2033

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

- This registration only includes sizes and material which are strict compliance with B16.15

-Note: Design registration completed under interprovincial agreement with jurisdictional check only

The stamped copy of the approved registration and the invoice are mailed separately (There will be no hard copies for electronic submissions). 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,

Hammad Wasif , M.Eng., P.Eng.
Engineer, BPV

Tel. : +1 416-734-3441
Email : hwasif@tssa.org



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

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



STATUTORY DECLARATION Registration of Fittings

I, Ma Le, Product Manager

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

of THAI SOUTH-PAC METAL CO., LTD.

(Name of Manufacturer)

Located at 149 /204-206 Petchkasem Road, Soi Petchkasem 95, Om Noi Subd. +86 (0)531 87856308 +86(0) 531 878799

(Plant Address)

(Telephone No.)

(Fax No.)

☐ do solemnly declare that the fittings listed hereunder, which are subject to the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, comply with all of the requirements of
ASTM B584/ASME B16.15, A-A-59617(FOR UNION) /ANSI B1.20.1

(Title of recognized North American Standard)

which specifies the dimensions, materials of construction, pressure temperature ratings, identification marking the fittings and service;

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

I further declare that the manufacture of these fittings is controlled by a quality system meeting the requirements of ISO 9001 which has been verified by the following authority, DQS.

The items covered by this declaration, for which I seek registration, are category A: bronze fittings & brass nipple type fittings. In support of this application, the following information and/or test data are attached as follows:
Fittings Catalogue, ISO 9001 Certificate

(drawings, calculations, test reports, etc.)

Declared before me at _____ in the _____ of _____

the _____ day of _____ AD 20 _____.

Commissioner for Oaths:

(Printed name)

(Signature)



FOR OFFICE USE ONLY



TSSA Registration Notes:

- This registration only includes sizes and material which are strict compliance with B16.15

HW February 22, 2024.

requirements of the
Boilers and Pressure Vessels Regulation, and

Technical
Standards
and Safety
Authority

Boilers and
Pressure Vessels
Safety Program

REGISTERED

C.R.N.: 0A3451.75

Signed: Handwritten Signature

Date: February 22, 2024.

NOTE: This registration expires on: **2033-NOV-24**

*Information provided in this application is releasable under the Access to Information Act and may be disclosed upon request. - Registered catalogue: Cast Bronze Fittings (sizes upto 4")

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: THAI SOUTH-PAC METAL CO., LTD.	
Manufacturers Address: 149 /204-206 Petchkasem Road, Soi Petchkasem 95, Om Noi Subdistrict, Krathumbasen District, Samutsakorn 74130 Thailand	
Plant Locations: 149 /204-206 Petchkasem Road, Soi Petchkasem 95, Om Noi Subdistrict, Krathumbasen District, Samutsakorn 74130 Thailand	
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 CNSC or ASME requirements)	Title of the Standard of Construction ASTM B584/ASME B16.15, A-A-59617(FOR UNION) /ANSI B1.20.1
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: category A: bronze fittings & brass nipples & lead free bronze fittings Fittings Catalogue, ISO 9001 Certificate	

Declaration:

I, Ma Le, Product Manager (see note 3) employed by THAI SOUTH-PAC METAL CO., LTD. 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 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 DOs 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 _____
 This _____ day of _____
 Commissioner of Oaths
 Or Notary Public: (sign) _____

(Affix Official seal to the right)

Use this space for the Official Seal

CRN: <u>0A3451.7</u> FID#: <u>FID-16412</u> 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. 11/2016	This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of issuance. ACCEPTED PROVINCE OF PRINCE EDWARD ISLAND COMMUNITIES, LAND & ENVIRONMENT C.R.N. 0A3451.79 DATE: Nov 24 2023  INSPECTION SERVICES SECTION BOILER/PRESSURE VESSEL BRANCH
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Form 19 Fittings Rev.2

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: THAI SOUTH-PAC METAL CO., LTD.	
Manufacturers Address: 149 /204-208 Petchkasem Road, Soi Petchkasem 95, Om Noi Subdistrict, Krathumbaan District, Samutsakorn 74130 Thailand	
Plant Locations: 149 /204-208 Petchkasem Road, Soi Petchkasem 95, Om Noi Subdistrict, Krathumbaan District, Samutsakorn 74130 Thailand	
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 CNSC or ASME requirements)	Title of the Standard of Construction ASTM B584/ASME B16.15, A-A-59617(FOR UNION) /ANSI B1.20.1
Show Manufacturers Name, Trademark, or Logo as it will appear on the product  MECH	Type of Construction Forged ☐ Welded ☐ Wrought ☐ Cast ☐ Other ☐ Describe other:
List of supporting documentation and identification of the actual items to be registered: category A: bronze fittings & brass nipples & lead free bronze fittings Fittings Catalogue, ISO 9001 Certificate	

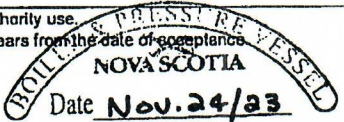
Declaration:

I, Ma Le, Product Manager (see note 3) employed by THAI SOUTH-PAC METAL CO., LTD. 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 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 us as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]
 Declared before me at _____
 This _____ day of _____
 Commissioner of Oaths
 Or Notary Public: (sign) _____

(Affix Official seal to the right)

Use this space for the Official Seal

CRN: <u>0A3451.7</u> FID#: <u>FID-16412</u> 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. 11/2016	This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance.  Date <u>Nov. 24/23</u> C.R.N. <u>0A3451.78</u> Dwg. <u>as described</u> Signed <u>[Signature]</u> <u>1</u> of <u>1</u> Part Part 1.0 - Fittings Rev.2
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UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

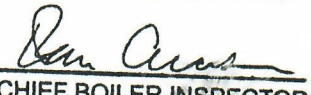
Manufacturers Name: THAI SOUTH-PAC METAL CO., LTD.	
Manufacturers Address: 149 /204-206 Petchkasem Road, Soi Petchkasem 95, Om Noi Subdistrict, Krathumbaen District, Samutsakorn 74130 Thailand	
Plant Locations: 149 /204-206 Petchkasem Road, Soi Petchkasem 95, Om Noi Subdistrict, Krathumbaen District, Samutsakorn 74130 Thailand	
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 CNSC or ASME requirements)	Title of the Standard of Construction ASTM B584/ASME B16.15, A-A-59617(FOR UNION) /ANSI B1.20.1
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: category A: bronze fittings & brass nipples & lead free bronze fittings Fittings Catalogue, ISO 9001 Certificate	

Declaration:

I Ma Le, Product Manager (see note 3) employed by THAI SOUTH-PAC METAL CO., LTD. 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 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 POS 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 _____
 This _____ day of _____
 Commissioner of Oaths
 Or Notary Public: (sign) _____

(Affix Official seal to the right)

CRN: <u>0A3451.7</u> FID#: <u>FID-16412</u> 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. 11/2016	Use this space for the Official Seal New Brunswick DEPT OF JUSTICE PUBLIC SAFETY BOILER & PRESSURE VESSEL ACT REGISTRATION ONLY CRN <u>0A3451.7</u> <u></u> CHIEF BOILER INSPECTOR DATE <u>11/24/23</u> Coat 10 - Fittings Rev.2 ☐ BLRs ☐ PVs ☒ FITTINGS ☐ NUCLEAR COMPONENTS
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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: THAI SOUTH-PAC METAL CO., LTD	
Manufacturers Address: 149/204-206 Petchkasem Road, Sol Petchkasem 95, Om Noi Subdistrict, Krathumbae District, Samutsakom 74130 Thailand	
Plant Locations: 149/204-206 Petchkasem Road, Sol Petchkasem 95, Om Noi Subdistrict, Krathumbae District, Samutsakom 74130 Thailand	
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 CNSC or ASME requirements)	Title of the Standard of Construction ASTM B584/ASME B16.15, A-A-59617(FOR UNION)/ANSI B1.20.1
Show Manufacturers Name, Trademark, or Logo as it will appear on the product  MECH	Type of Construction Forged ☐ Welded ☐ Wrought ☐ Cast ☐ Other ☐ Describe other:
List of supporting documentation and identification of the actual items to be registered: category A: bronze fittings & brass nipples & lead free bronze fittings Fittings Catalogue, ISO 9001 Certificate	

Declaration:

I, Ms Le, Product Manager (see note 3) employed by THAI SOUTH-PAC METAL CO. LTD. 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 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 QAS as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]

Declared before me at [Signature]

This day of

Commissioner of Oaths

Or Notary Public: (sign)

(Affix Official seal to the right)

Use this space for the Official Seal:

This space for Regulatory Authority <u>Newfoundland and Labrador</u> This registration must be revalidated after ten (10) years from the date of acceptance.	
CRN: <u>0A3451.7</u> FID#: <u>EID-16412</u> 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. 11/2016	Registered <u>0A3451.70</u> Date <u>Nov 27, 2023</u> Engineering and Inspection Services Registered by <u>[Signature]</u> UNDER THE AUTHORITY OF THE PUBLIC SAFETY ACT AND THE BOILER, PRESSURE VESSEL AND COMPRESSED GAS REGULATIONS Sect 1.0 - Fittings Rev 2

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

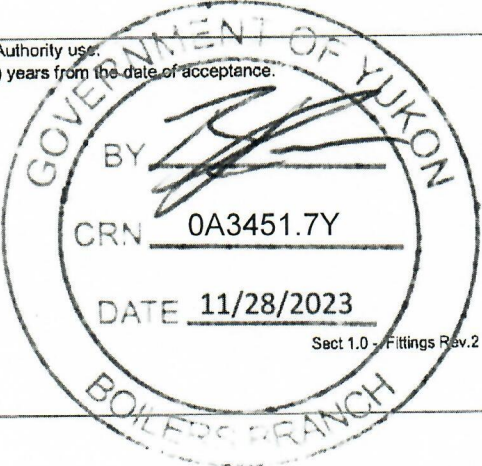
Manufacturers Name: THAI SOUTH-PAC METAL CO., LTD.	
Manufacturers Address: 149 /204-206 Petchkasem Road, Soi Petchkasem 95, Om Noi Subdistrict, Krathumbaan District, Samutsakorn 74130 Thailand	
Plant Locations: 149 /204-206 Petchkasem Road, Soi Petchkasem 95, Om Noi Subdistrict, Krathumbaan District, Samutsakorn 74130 Thailand	
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 CNSC or ASME requirements)	Title of the Standard of Construction ASTM B584/ASME B16.15, A-A-59617(FOR UNION) /ANSI B1.20.1
Show Manufacturers Name, Trademark, or Logo as it will appear on the product  MECH	Type of Construction Forged ☐ Welded ☐ Wrought ☐ Cast ☐ Other ☐ Describe other:
List of supporting documentation and identification of the actual items to be registered: category A: bronze fittings & brass nipples & lead free bronze fittings Fittings Catalogue, ISO 9001 Certificate	

Declaration:

I, Ma La, Product Manager (see note 3) employed by THAI SOUTH-PAC METAL CO., LTD. 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 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 pos as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]
 Declared before me at [Signature]
 This 11 day of 11
 Commissioner of Oaths
 Or Notary Public: (sign) [Signature]
 (Affix Official seal to the right)

Use this space for the Official Seal

CRN: <u>0A3451.7</u> FID#: <u>EID-16412</u> 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. 11/2016	This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance.  BY <u>[Signature]</u> CRN <u>0A3451.7Y</u> DATE <u>11/28/2023</u> Sect 1.0 - Fittings Rev.2
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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: THAI SOUTH-PAC METAL CO., LTD.	
Manufacturers Address: 149 /204-206 Petchkasem Road, Soi Petchkasem 95, Om Noi Subdistrict, Krathumben District, Samutsakorn 74130 Thailand	
Plant Locations: 149 /204-206 Petchkasem Road, Soi Petchkasem 95, Om Noi Subdistrict, Krathumben District, Samutsakorn 74130 Thailand	
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 CNSC or ASME requirements)	Title of the Standard of Construction ASTM B584/ASME B16.15, A-A-59617(FOR UNION) /ANSI B1.20.1
Show Manufacturers Name, Trademark, or Logo as it will appear on the product  MECH	
Type of Construction Forged ☐ Welded ☐ Wrought ☐ Cast ☐ Other ☐ Describe other:	
List of supporting documentation and identification of the actual items to be registered: category A: bronze fittings & brass nipples & lead free bronze fittings Fittings Catalogue, ISO 9001 Certificate	

Declaration:

I, Ma Le, Product Manager (see note 3) employed by THAI SOUTH-PAC METAL CO., LTD. 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 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 us 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 _____
 This _____ day of _____
 Commissioner of Oaths
 Or Notary Public: (sign) _____

(Affix Official seal to the right)

Use this space for the Official Seal

CRN: <u>0A3451.7</u> FID#: <u>FID-16412</u> 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. 11/2016	This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance Northwest Territories REGISTERED UNDER THE AUTHORITY OF THE BOILER AND PRESSURE VESSEL ACT. C.R.N. <u>0A3451.7T</u> SIGNED <u>[Signature]</u> DATE <u>Nov 27/23</u> Sect 1.0 - Fittings Rev.2
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163.00

UNIFORM STATUTORY DECLARATION FORM FOR THE REGISTRATION OF FITTING DESIGNS

New Brunswick
Nunavut

Nova Scotia
Yukon

Prince Edward Island
Northwest Territories

Newfoundland and Labrador

Manufacturers Name: THAI SOUTH-PAC METAL CO., LTD.	
Manufacturers Address: 149 /204-206 Petchkasem Road, Soi Petchkasem 95, On Noi Subdistrict, Krathumbaan District, Samutsakom 74130 Thailand	
Plant Locations: 149 /204-206 Petchkasem Road, Soi Petchkasem 95, On Noi Subdistrict, Krathumbaan District, Samutsakom 74130 Thailand	
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 CNSC or ASME requirements)	Title of the Standard of Construction ASTM B584/ASME B16.15, A-A-59617(FOR UNION) /ANSIB1.20.1
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: category A: bronze fittings & brass nipples & lead free bronze fittings Fittings Catalogue, ISO 9001 Certificate	

Declaration:

I, Ma Le, Product Manager (see note 3) employed by THAI SOUTH-PAC METAL CO., LTD. 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 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 pos as being suitable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

Signature of Declarer: [Signature]
 Declared before me at [Signature]
 This day of
 Commissioner of Oaths
 Or Notary Public: (sign)

(Affix Official seal to the right)

Use this space for the Official Seal

CRN: <u>0A3451.7</u> FID#: <u>EID-16412</u> 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. 11/2015	This space for Regulatory Authority use. This registration must be revalidated after ten (10) years from the date of acceptance. Nunavut Pressure Vessels Act REGISTERED CRN <u>0A3451.7N</u> Date <u>2023-11-24</u> Signed <u>[Signature]</u> Chief Inspector Sect 10 - Fittings Rev. 2 Territorial Registration Fee
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ATTN: MILLER
MISTER CRN CONSULTING INC.
1 RINKS STREET
MONTAGUE PE C0A 1R0

Date: 18-Jan-2024
TSBC Account #: 061412
TSBC Admin Number: 104019
Canadian Registration Number: 0A3451.71

Re: Application for Design Registration

The design, as detailed in your Design Portal application 5055 for a Pressure Fitting is registered with the following notes and considerations:

Registered To:	THAI SOUTH-PAC METAL CO., LTD.
Project Name:	5055
Drawing #:	Bronze Fitting Catalogue
Drawing Revision:	n/a

Conditions of Registration:

(1) Fitting Registration Expiry Date: 24-Nov-2033 (2) The 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 quality management system lapse before the expiry date indicated above, this registration shall become void.

Reviewer's Notes:

Any additional conditions and considerations from the initial province of registration shall apply to this BC registration.

Full details of this submission including the scope of registration, design conditions, fabrication details, and calculations pertaining to this design are located in the above Admin Number on the Design Portal. For all other enquiries, please contact eim@technicalsaftybc.ca.

The Engineering Information Management Team

January 02, 2024

Attention: Dennis Jones
MISTER CRN CONSULTING INC
BOX 488
MONTAGUE, PE C0A 1R0

The design submission, Tracking Number 2023-07600, Web Portal Number 2023-S5037, originally received on December 13, 2023 was surveyed and accepted for registration as follows:

CRN : 0A03451.72	Accepted on: January 02, 2024
Reg Type: NEW DESIGN	Expiry Date: November 24, 2033
Drawing No. : Bronze Fitting Catalogue	
Fitting type: Pipe fittings	
Design registered in the name of : THAI SOUTH-PAC METAL CO LTD	

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

Registration is based on the understanding that the fittings are in full compliance with ASME B16.5

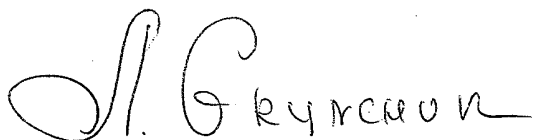
As indicated on AB-41 Statutory Declaration or AB-351 Declaration of Conformity form and submitted documentation, the code of construction is ASME B31.3.

- It is our understanding that the fitting(s), included as the scope of this submission, that is(are) subject to the Safety Codes Act shall comply with the requirements of the indicated Standard or Code of Construction on the AB-41 Statutory Declaration or AB-351 Declaration of Conformity as supported by the attached data which identifies the dimensions, materials of construction, press./temp. ratings and the basis for such ratings, and the identification marking of the fittings.
- 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 or AB-351 Declaration of Conformity 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, and maintains a valid Certification of Authorization Permit if required by the jurisdiction where manufacturing takes place, 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 3330 or fax (780) 437-7787 or e-mail Grynchuk@absa.ca.

Sincerely,



GRYNCHUK, MILLA, P. Eng.
DOP Cert. No. D00005217

**STATUTORY DECLARATION
Registration of Fittings**
Single or Multiple Fitting Designs within one Fitting Category

I, Ma Le, Product Manager
(name of applicant) (position title) (must be in a position of authority)

of THAI SOUTH-PAC METAL CO., LTD.

located at 149 /204-206 Petchkasem Road, Soi Petchkasem 95, Om Noi Subdistrict,
Krathumbaen District, Samutsakorn 74130 Thailand
(name of manufacturer) (plant address)

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



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

- ☒ comply with the requirements of ASTM B584/ASME B16.15, A-A-59617(FOR UNION) /ANSI B1.20.1 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 (title of code of construction or other applicable document) attached data which identifies the dimensions, materials of construction, pressure/temperature ratings and the basis for such ratings, and the identification marking of the fittings.

I further declare that the manufacture of these fittings is controlled by a quality control program which has been verified as described in the below Table as being suitable for the manufacturing of these fittings to the stated standard, regulation, code, guideline or other applicable document. The fittings covered by the declaration for which I seek registration are as provided in the Supplementary Sheet(s) attached.

Quality Program Verification and Manufacturing Sites

A copy of the Quality Certificate from each manufacturing site must be included

Item #	Product Description, Model or Series	Quality Program	Scope of Certification	Expiry Date	Verifying Organization	Location(s) Plant Name and address
1.	Category A: bronze fittings & brass nipples & lead free bronze fittings	ISO 9001	The design and manufacture of bronze casting including bronze pipe fitting	06-09-2026	DQS	THAI SOUTH-PAC METAL CO., LTD. 149 /204-206 Petchkasem Road, Soi Petchkasem 95, Om Noi Subdistrict, Krathumbaen District, Samutsakorn 74130 Thailand

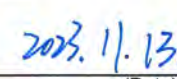
Tracking #: _____

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

Fittings Catalogue, ISO 9001 Certificate


(Signature of the Declarer)




(Date)

DECLARED before me at _____ in the _____ of _____
(city) (province, territory, or state)

this _____ day of _____, _____
(Month) (Year)

(print) _____
(a Commissioner of Oaths or Notary Public)

(sign) _____
(a Commissioner of Oaths or Notary Public)

(expiry date (mm/dd/yy))

Commissioner of Oaths / Notary Public in and for: _____
(province, territory, or state)

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, Part 1, Clause 4.2, and is accepted for registration in Category _____.

CRN: _____

Registered Date: _____

Expiry Date: _____

Signature: _____
(Signature of the Administrator/SCO)

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

2023-07600

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

ACCEPTED: 0A03451.72

See acceptance letter for conditions of registration.

Date: 2024-01-02

By: 
MILLA GRYNCHUK, P. Eng.
DOP: D00005217

This stamp and signature have been affixed electronically to this registered design as required by Section 20(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.

Table 1 Scope of Fitting Designs**

Item #	Primary Pressure Bearing / Retaining Component	Material of Construction	Port Connections and Size Range	MDMT	Rated Pressure		Pressure Class(es) / Schedule(s)	Design Code(s) of Construction	Reference Catalogue (pages) or Drawing(s)
					At Ambient Temperature	At Maximum Temperature			

Table 2 Additional Scope Information

List/Attach Additional Detail and References (Product Configurations, Options, Illustrations, etc.)
Example: Series X Options

** For additional alternatives of Table 1, refer to Form AB-41a, Guide for Completing Form AB-41



REGISTRATION OF A PRESSURE FITTING DESIGN

December 21, 2023

Mister CRN Consulting Inc.
PO Box 488, Montague PE C0A1R0
Montague, PE
Canada
C0A1R0

Attention: Dennis Jones

File Number: 100209

Re: Manufacturer: THAI SOUTH-PAC METAL CO., LTD.

Item: Cast Bronze Fittings - Class 125 Leaded and Lead Free

Catalog or Drawing: Bronze Fitting Catalogue

TSASK Codes and Standards Compliance has registered the design listed above in accordance with The Boiler and Pressure Vessel Act and Regulations and CSA B51. The Canadian Registration Number (CRN) is:

0A3451.73

Expiry Date: 2033-11-24

Please note that every fitting shall be constructed in strict 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.

Should you require anything further, please do not hesitate to contact the Codes and Standards Compliance Office at your convenience.

Yours truly,

Williams Uju, P.Eng.

Codes and Standards Compliance

Remarks:

A valid quality control program must be maintained at the production facility for the fitting registration to remain valid until the expiry date.

Statutory Declaration (Registration of Fittings)

TSK-1008

I. Declaration Information

I, Ma Le,

Add manufacturer's logo or trademark as it will appear on the fitting

Product Manager

(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: THAI SOUTH-PAC METAL CO., LTD.

(name of manufacturer)



located at: 149/204-206 Petchkasem Road, Krathumbaen District, S, 74130 Thailand
(Plant Address – Apt/Street) (City, Prov) (Postal Code)

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

☒ Comply with the requirements of ASTM B584/ASME B16.15, A-A-59617(FOR UNION) /ANSI B1.20.1 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, DQS 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 A: bronze fittings & brass nipples & lead fl

In support of this application, the following information, calculations and / or test data are attached:
Fittings Catalogue, ISO 9001 Certificate

II. Declaration

DECLARED before me at _____ In the _____

this _____ day of _____,

(print name)

(Signature)

(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 Act** and CSA B51, Clause 4.2, and is accepted for registration in Category _____



Registration No. 0A3451.73

File No. 13915

Registered

Date: Dec. 21, 2023

Expiry Date: November 11, 2033

Codes & Standards Compliance Office

(Date Registered – MM DD YYYY)
(For the Chief Inspector)

(Expiry Date – MM DD YYYY)

Montréal, le 8 janvier 2024.

DENNIS JONES
MISTER CRN CONSULTING INC.
488 BOX
MONTAGUE PEI
CANADA C0A 1R0

Manufacturer : THAI SOUTH-PAC METAL CO., LTD.
149/204-206 PETCHKASEM ROAD
SOI PETCHKASEM 95 SAMUTSAKORN
THAILAND 74130

OUR REFERENCE : 944755

Design number : Bronze Fitting Catalogue attached along with Proof
Test for unions

Subject: Design registration confirmation

Hi,

We wish to inform you that your design registration application has been evaluated and that it was registered under the following Canadian Registration Number (CRN): **0A03451.76**.

The following is a reminder of your obligations regarding certain requirements of the regulation respecting pressure vessels, and the referenced codes and standards:

- The manufacturer must maintain a valid quality control program to manufacture equipment according to the CRN.
- The CRN remains valid as long as there are no changes to the design calculations that might affect the pressure boundary. The design registration of fittings expires 10 years after acceptance. It must, therefore, be resubmitted for validation.
- The manufacturer shall submit a copy of the *Manufacturer's Data Report* to us for each boiler or pressure vessel manufactured according to this CRN within 30 days following the signing of this report.
- The drawing number and the revision number registered under this CRN must be indicated on the *Manufacturer's Data Report* for equipment manufactured according to the CRN.

This notice of approval does not relieve the manufacturer of their responsibilities with respect to the design or fabrication of equipment manufactured according to this CRN.

Yours sincerely,

Bureau d'expertise et d'homologation en équipements sous pression

Montréal

255, boul. Crémazie Est, 2ième étage
Montréal (Québec) H2M 1L5
Téléphone : 514 873-2546
Sans frais : 1 866 262-2084
enregistrementdesplans@rbq.gouv.qc.ca
www.rbq.gouv.qc.ca

Statutory Declaration Registration of Fittings

Building Act (B-1.1)
Regulation respecting pressure vessels (B-1.1, r. 6.1)
Boiler, pressure vessel, and pressure piping code (CSA B51)

This declaration must be filled out and sent to the Régie du bâtiment du Québec (RBQ) by pressure fitting manufacturers when they make an application registration for fittings.

For more information on the application registration for fittings, consult the www.rbq.gouv.qc.ca/fittings-pv.

1. Fittings to register

List the fittings included in this declaration and that you wish to register.

N°	Description	Additional Information (detail, calculations or approval sheets)
1	category A:	ASTM B584/ASME B16.15,
2	bronze fittings & brass nipples	A-A-59617(FOR UNION) /ANSI B1.20.1
3	& lead free bronze fittings	Fittings Catalogue, ISO 9001 Certificate
4		
5		

2. Declaration of the person in charge

The person in charge is someone in a position of authority, such as a vice-president, a plant manager or a chief engineer.

2.1 Design

I, the undersigned, Ma Le Produc Manager
(Name of the person in charge) (Title of the person in charge)

from THAI SOUTH-PAC METAL CO., LTD., located at 149 /204-206 Petchkasem Road, Soi Petchkasem 95, Om Noi Subdistrict, Krathumbaen District, Samutsakorn 74130 Thailand
(Company's name) (Plant's address)

hereby declare that the above-mentioned fittings and subject to the Regulation respecting pressure installations:

☒ comply with the requirements of the ANSI/ASME codes as to their dimensions, identification, material and purpose
or
☐ are not covered by the ANSI/ASME codes, but are in compliance with _____
(Name of code or standard)

code or standard and are designed according to the best current engineering practice, as proven by the enclosed approval report.

2.2 Manufacturing quality control

I further declare that the manufacture of these fittings is controlled by a quality control program that complies with the requirements of the following code: ISO 9001 and has been verified by DQS
(Name of code) (Authorized agency)

Signature of the person in charge: Ma Le Date (yyyy-mm-dd): 2023. 11. 13

3. Declaration of commissioner for oaths

I certify that this declaration has been administered before me, at _____, on _____.	
(Location)	(Date (yyyy-mm-dd)):
Signature of commissioner for oaths:	Date (yyyy-mm-dd):
Stamp the seal:	

4. Registration confirmation (for RBQ's use only)

As far as I know, this application complies with the requirements of the Act and with standard CSA B51, Part 1, section 4.2, and is accepted for registration in the class _____.	
This registration expires in ten (10) years after the date of registration indicated above, and it must be validated again after this period.	
Canadian registration number (CRN): 	Registration date (yyyy-mm-dd):

Documents to attach

Any application registration for fittings must include these documents:

- Statutory Declaration Registration of Fittings (2 copies)
- Detailed calculations or burst test report (1 copy)
- Detailed technical drawings or catalogues (2 copies)
- Example of the manufacturer's marking (1 copy)
- Proof that a valid and approved quality control program has been implemented (1 copy)
- Form Application for design registration (1 copy)

Sending the form

This declaration is necessary to submit an application for design registration. Design registration applications must be sent by email only to enregistrementdesplans@rbq.gouv.qc.ca.

Documents must be in PDF format and in separate files.



January 6, 2024

MISTER CRN CONSULTING INC
PO Box 488
Montague, PEI C0A 1R0

Dear Dennis Jones,

Re: Reciprocal CRN Registration in Manitoba

As indicated by the Regulatory Reconciliation and Cooperation Table and the Reconciliation Agreement for the Canadian Registration Number (CRN) for Pressure Equipment, the design reviews conducted and accepted by the Canadian province or territory, or their delegated safety authority, will be mutually recognized in the Province of Manitoba. If a registration is conditionally based on compliance with the notes set by the original issuing Jurisdiction, such compliance shall be applied the same to this Province.

Your submission has been registered, as follows:

File Number:	74-R3757
CRN:	0A3451.74
Scope:	Bronze Fitting Catalogue rev 0
Manufacturer:	THAI SOUTH-PAC METAL CO., LTD.
Expiry Date:	24 November 2033

Along with this letter is the invoice for registration.

In addition, every Pressure Vessel, Boiler, and Heat Exchanger shall be stamped with the registration number and as required by CSA Code B51, a Manufacturer's Data Report (MDR) must be forwarded to this office immediately at the time a unit is shipped to Manitoba. Send your MDR to gasupport@gov.mb.ca. In your subject line, indicate "*Manufacturer's Data Report-CRN No.*" A fee shall be billed to the Manufacturer to process data reports in accordance with the Steam and Pressure Plants Regulation section 17.1.

Please contact gasupport@gov.mb.ca for any questions or concerns.

Inspection and Technical Services

Labour and Immigration
508 – 401 York Avenue, Winnipeg, MB R3C 0P8
T (204) 945-3373 | F (204) 948-2089