

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



STATUTORY DECLARATION				
Re	gistration of Fittings			
I, Ma Le, Product Manager				
	President, Plant Manager, Chief Engir	neer)		
of THAI SOUTH-PAC METAL CO., LTD.				
	me of Manufacturer)			
Located at 149 /204-206 Petchkasem Road, Soi Petch	kasem 95, Om Noi Sub <b>r +</b> 8	6 (0)531 87856308 +86(0) 53	1 87879	
(Plant Address)	(Tele	ephone No.) (Fax No.)		
do solemnly declare that the fittings listed hereunder and Pressure Vessels Regulation, comply with all o ASTM B584/ASME B16.15, A-A-59617(FOR UNIC	f the requirements of	hnical Standards and Safety I	<b>A<i>ct</i></b> , Boilers	
(Title of recognize which specifies the dimensions, materials of construction,	red North American Standard)	lantification marking the fittings an	d convice:	
which specilies the dimensions, materials of construction,	, pressure temperature ratings, ic	lenuncauon marking the numgs an	a service,	
or are not covered by the provisions of a recognized				
as supported l pressure/temperature ratings and the basis for such re		tifies the dimensions, material of o	construction,	
procedure, compendado natingo ana trio bacile los caestros	aunge, the maning of the numb	, tor tachancaserrana corvice.		
I further declare that the manufacture of these fittings is cont		ting the requirements of ISO 90	001	
which has been verified by the following au	thority, DQS	ro <sup>0</sup> broom ninnles		
The items covered by this declaration, for which I seek registration		Js & brass nippite type fittings. I	n support of	
this application, the following information and/or test data are attack. Fittings Catalogue, ISO 9001 Certificate	ched as follows.			
(drawings, d	alculations, test reports, etc.)			
Declared before me at	in the	of		
the day ofAD 20				
theAb 20	·			
Commissioner for Oaths:				
	1//3	MANE LALM. HAND INNIS		
(Printed name)		To Volume 1 2 cm		
		*\M**		
(Signature)	1/3	(Signature of Declarer)		
FOR OFFICE USE ONLY				
TSSA Registration Notes:	e requirements of the	Technical Boilers a	,	
TSSA Registration Notes:	ssels Regulation, and	Standards Pressure	. I	
- This registration only includes sizes	·	and Safety Safety Pr Authority	ogram	
and material which are strict				
compliance with B16.15		REGISTERE	)	
'		C.R.N.: 0A3451.75		
HW February 22, 2024.		Signed: James way		
	]			
NOTE: This registration expires on:	2033-NOV-24	Date: February 22, 2024		

Prince Edward Island

New Brunswick

Nova Scotia

Newfoundland and Labrador

Manufacturers Name: This south-PAC METAL CO., LTD. Manufacturers Address: 149 260-409 Perbitabasem 85, 60 Not Studestick, Kenthumbasen District, Samutastom 74190 Thailland Pilant Location: 149 264-309 Perbitabasem 85, 60 Not Studestick, Kenthumbasen District, Samutastom 74190 Thailland Pilant Location: 149 264-309 Perbitabasem 85, 60 Not Studestick, Kenthumbasen District, Samutastom 74190 Thailland Pilant Location: 149 264-309 Perbitabasem 85, 60 Not Studestick, Kenthumbasen District, Samutastom 74190 Thailland Pilant Location: 149 264-309 Perbitabase 149 Perbitabase	Nunavut Yukon Northwest 1	erritories				
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Category of Fittings to be registered. Circle one Category only A Pipe fittings, including occupings, less, elbows, Vs, plugs, unloss, pipe cape, or reducers B Flanges: all flanges C Valves: all flanges C Cartified capetly-raided pressure relief devices acceptable as primary over pressure protection on boilers, pressure vessels, piping and harble plugs H Pressure relating components that do not fail filts one of the above ontegories N Nuclear components: Class 1 □ Class 2 □ Class 3 □ , (Meeting CNSC or ASME requirements) Show Manufacturers Name, Trademark, or Logo as it will appear on the product  MECH  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:  List up to the quality of the end product do solemnly declare that the information contained in this form is true to the beauty knowledge represents the product for which registration is sought. The dimensions, materials of construction pressure temperaturings, and identificated by a Cuality Composition of the product of which the herein named standards. I further declare that the manufacture of the vortified by a Coasily Composition of the product of which the herein named standards. I further declare that the manufacture of the special of the product	Manufacturers Aggress: 149 /204-208 Patchkasem Road, Sol Patchkasem Sol, Sol Patchkasem Road, Sol Patchkasem Sol, Sol Patchkasem Road,					
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BOILER/PRESSURE VESSEL BRANCHY Fittings Rev. 2		INSPECTION'S				
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	11/2016					

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Island Northwest Territories	Newfoundland and Labrador
Manufacturers Nam	18: THAI SOUTH-PAC METAL	CO., LTD.	
		m Road, Soi Petchkasem 95, Om Noi Subdistrict, Kr	
Category A Pipe fittings, including	of Fittings to be reals	il Petchkasam 95, Om Noi Subdistrict, Krathumbaen stered. Circle one Category only Ys, plugs, unions, pipe caps, or reducers	District, Samutaskom 74130 Thailand  Title of the Standard of  Construction
E Strainers, filters, sepa F Measuring devices, in transmitters G Certified capacity-rate boilers, pressure vesi H Pressure retaining co	ible connections, and hose arators, and steam traps accluding pressure gauges, ad pressure relief devices a sels, piping and fusible plus amponents that do not fall it	level gauges, sight glasses, levels, or press acceptable as primary over pressure protecti gs nto one of the above categories	lon on
N Nuclear components	Class 1 Class 2 C	Class 3 ☐ , (Meeting CNSC or ASME require	rements)
Show Manufacturer	s Name, Trademark, o MECH	r <u>Logo as it will appear on the produ</u>	Type of Construction Forged a Welded a Wrought a Cast a Other a Describe other:
List of supporting d	ocumentation and Ide	ntification of the actual items to be r	registered:
category A: bror Fittings Catalog	nze fittings & brass ue, ISO 9001 Cert	s nipples & lead free bronze fi ificate	ittings
my knowledge represeratings, and identificat fittings is regulated by verified by postelleving it to be true, Signature of Declarer: Declared before me a	he quality of the end process the product for which ion markings are in accordance a Quality Control Process and known of that it is of the control of the c	duct do solemnly declare that the inforch registration is sought. The dimension ordance with the herein named standar any wine extends to each plant where a being so table for that purpose and the same to and effect as if made to the same to the	2. LTD. and being the person having full authority mation contained in this form is true to the best of ins, materials of construction, pressure temperature risk. I further declare that the manufacture of these fabrication occurs in whole or in part and has been I make this solemn declaration conscientiously under oath.
Commissioner of Oatl			
Or Notary Public: (sign		the right)	
		This space for Regulatory Authority us	e PRESSURE
Each Category shall and one copy of sur     The Declaration shall responsibility for the	manufaction and the second	tanufacturer.  To proposition forms  To prop	nova scotta Nova scotta late Nov. 24/23 1. 0A3451.78 as described

New Brunswick Prince Edward Island Nova Scotia Newfoundland and Labrador Nunavut Yukon Northwest Territories 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 Title of the Standard of A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unions, pipe caps, or reducers Construction B Flanges: all flanges C Valves: all line valves ASTM B584/ASME B16.15. D Expansion joints, flexible connections, and hose assemblies: all types A-A-59617(FOR E Strainers, filters, separators, and steam traps UNION) /ANSIB1.20.1 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) Show Manufacturers Name, Trademark, or Logo as it will appear on the product Type of Construction Welded Wrought 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: (see note 3) employed by THAI SOUTH-PAC METAL CO., LTD. and being the person having full authority Ma Le, Product Manager 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 known that it is of the same for the same f Signature of Declarer: Declared before me at Use this space for the Official Seal Commissioner of Oaths Or Notary Public: (sign) (Affix Official seal to the right) DEPT OF JUSTICE PUE This space for Regulatory Authorit BOLER & PRESSURE VESSEL ACT CRN: 0A3451.7 FID#: FID-16412 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. ttings Rev.2

☐ NUCLEAR COMPONENTS

11/2016

New Brunswick Nunavut Nova Scotla Yukon Prince Edward Island Northwest Territories Newfoundland and Labrador

Manufacturers Name; that south-pac metal, co., Ltd				
Manufacturers Address: 149/204-206 Petchlesem Road, Sol Petchlesem 95, Oc	m Noi Subdistrict, Krathumbaen	District, Samutsakom 74130 Thalland		
Manufacturers Address: 149 /204-206 Petchkasem Road, Sol Petchkasem 95, On Nol Subditions: 149 /204-206 Petchkasem Road, Sol Petchkasem 95, On Nol Subditions: 149 /204-206 Petchkasem Road, Sol Petchkasem 95, On Nol Subditions: A Pipe fittings to be registered. Circle one Cate A Pipe fittings; including couplings, tees, elbows, Ys, plugs, unlons, pipe caps B Flanges: all flanges C Valves: all fine valves D Expansion joints, flexible connections, and hose assemblies: all types E Strainers, fiters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses transmitters G Certified capacity-rated preasure relief devices acceptable as primary over boilers, pressure vessels, piping and fusible plugs H Pressure retaining components that do not fall into one of the above catego N Nuclear components: Class 1 □ Class 2 □ Class 3 □ , (Meeting CNSC Show Manufacturers Name, Trademark, or Logo as it witt appear	istrict, Krathumbaen District, San PROTY ONLY s, or reducers i, levels, or pressure pressure protection on orles C or ASME requirements)	District, Semulsakom 74130 Thelland nulashom 74130 Thelland Title of the Standard of Construction  ASTM B584/ASME B16.15,  A-A-59617(FOR UNION) /ANSIB1.20.1		
197 Salah B				
List of supporting documentation and identification of the actus category A: bronze fittings & brass nipples & lead from Fittings Catalogue, ISO 9001 Certificate		93.		
Declaration:    Matter Product Manager   (see note 3) employed by THAI SOUT and responsibility for the quality of the end product do solemnly declar my knowledge represents the product for which registration is sought ratings, and identification markings are in accompanie with the herein fittings is regulated by a Quality Control Registration with autends to eaverified by loss believing it to be true, and knowing that it is of the same force and efficient of Declarer:  Declared before me at This day of Commissioner of Oaths	ire that the information c . The dimensions, mate named standards. I furt ach plant where fabricati at purpose and I make ti lect as if made under oat	her declare that the manufacture of these		
Or Notary Public: (sign)				
(Affix Official seal to the right)  This space for Regul  This registration must be revalidated after to	islory Authority Wew Out en (10) years from the Hale	(land deceptance.		
FID#: FID-16412  Notes.  1. All Fittings shall be registered in the name of the Manufacturer.  2. Each Category shall be supported with two Statutory Declaration forms	Registered OA3  Date Oov 3  Engineering and Jrisi			

Newfoundland and Labrador

Prince Edward Island

Nova Scotia

New Brunswick

Nunavut Yukon Northwest Territories Manufacturers Name: THAI SOUTH-PAC METAL CO., LTD. Manufacturers Address: 149 /204-208 Petchkasem Road, Soi Petchkasem 95, Om Nol Subdistrict, Krathumbaen District, Samutsakom 74130 Thailand Plant Locations: 149 /204-206 Petchkasem Road, Soi Petchkasem 95, Om Noi Subdistrict, Krathumbaen District, Samutsakom 74130 Thailand Title of the Standard of 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 Construction ASTM B584/ASME B16.15, Valves: all line valves Expansion joints, flexible connections, and hose assemblies: all types A-A-59617(FOR Strainers, filters, separators, and steam traps Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure UNION) /ANSIB1.20.1 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) Type of Construction Show Manufacturers Name, Trademark, or Logo as it will appear on the product 0 Welded o Wrought D Cast o Other o 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: (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 Reggam which extends to each plant where fabrication occurs in whole or in part and has been verified by bos as being shable for that purpose and I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same and effect as if made under oath. believing it to be true, and knowing Signature of Declarer: Declared before me at SOUTH PAC ME Use this specs for the Official Seal day of Commissioner of Oaths Or Notary Public: (sign) (Affix Official seal to the right) This space for Regulatory Authority use This registration must be revalidated after ten (10) years from the date CRN: 0A3451.7 FID#: FID-16412 Notes: All Fittings shall be registered in the name of the Manufacturer. 0A3451.7Y Each Category shall be supported with two Statutory Declaration forms 2. 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. 11/28/2023 4. Quality Control programs shall be resubmitted for validation. Sect 1.0 Fittings R 11/2016

New Brunswick Nunavut	Nova Scotia Yukon	Prince Edward Island Northwest Territories	Newfoundland and Labrador
Manufacturers Na	THE: THAI BOUTH PAG METAL	CO LTD	
		n Road, Soi Petchlasem 95, Om Noi Subdistrict, Krati	numbers Metrict Ensuring 74120 The land
Plant Locations: 14	7204-206 Petchkasem Road, Soi	Petchkasem 95, Om Nol Subdistrict, Krathembaen Di	rici Sametakon 74130 Thaland
Categor A Pipe fittings, Includio	y of Fittings to be regis	tered. Circle one Category only 's, plugs, unions, pipe caps, or reducers	Title of the Standard of Construction
	is wible connections, and hose parators, and steam traps	assemblies: all types	ASTM B584/ASME B16.15, A-A-59617(FOR
F Measuring devices, transmitters	including pressure gauges, l	evel gauges, sight glasses, levels, or pressure couplable as primary over pressure protection	UNION) /ANSIB1.20.1
H Pressure retaining of	isels, piping and fusible plug components that do not fall in	s do one of the above categories	
		less 3 D , (Meeting CNSC or ASME requiren	
Show Manufacture	rs Name, Trademark, or	Logo as it will appear on the product	Forged o Welded o Wrought o Cast o Other o
	AAECH		Describe other:
	MECH		
List of supporting	documentation and Idea	dification of the actual Items to be rec	istered:
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Commissioner of Oa		and the state of t	
OF NOWIN PUBBC: (8)	gn)		
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CRN: 0A3451.7		nust be revalidated after ten (10) wars from the	date of acceptarities.
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Notes.	City Security Securit	REGISTE	BED \
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	nell be made by the person having quality of the end product.	g full authority and C.R.N.OA342	
	grams shall be resubmitted for v	relidation. C.R.N.O.3.37	De la
11/2016		SIGNED CASCO	27/23   Sect 1.0 - Fitings Rev.2
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Newfoundland and Labrador

Prince Edward Island

New Brunswick

Nova Scotia

Nunavut Northwest Territories Yukon Manufacturers Name; THAI SOUTH-PAC METAL CO., LTD. Manufacturers Address: 149 (204-206 Petchkesem Road, Soi Petchkesem 95, Om Noi Subdistrict, Krethumbaen District, Samutsakom 74130 Thailand Plant Locations: 149 (204-205 Petchkasem Road, Sol Petchkasem 95, Om Not Subdistrict, Krathumbeen District, Samurisakorn 74130 Theiland Category of Fittings to be registered. Circle one Category only Title of the Standard of A Pipe fittings, including couplings, tees, elbows, Ys, plugs, unlons, pipe caps, or reducers Construction 8 Flanges: all flanges C Valves; all line valves ASTM B584/ASME B16.15. D Expansion joints, flexible connections, and hose assemblies: all types A-A-59617(FOR E Strainers, filters, separators, and steam traps F Measuring devices, including pressure gauges, level gauges, sight glasses, levels, or pressure UNION) /ANSIB1.20.1 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) Show Manufacturers Name, Trademark, or Logo as it will appear on the product Type of Construction Forged a Welded D Other c Cast o Describe other: MECH 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: | 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-accommond with the herein named standards. I further declare that the manufacture of these Signature of Declarer Declared before me at SOCIL PAC NETAL Use this specs for the Official Sest day of Commissioner of Oaths Or Notary Public: (sign) (Affix Official seal to the right) This space for Registery Atthdrity use. be revalidated after tend 107 years from the date of acceptance. 3 3000 This registration must be revalidated at Nunavut CRN-0A3451.7 Pressure Visite's Act FID#: FID-16412 REGISTERED Notes. 1. All Fittings shall be registered in the name of the Manufacturer A3451.7N Each Category shall be supported with two Statutory Declaration forms and one copy of supporting documentation. Date. The Declaration shall be made by the person having full authority and responsibility for the quality of the end product Signed. Quality Control programs shall be resubmitted for validation. Sect 10 - Fittings Rev Chief/inspector 11/2016 Territorial Registration Fee



Suite 600 - 2889 East 12th Avenue Vancouver, BC V5M 4T5

Toll Free: 1-866-566-7233 www.technicalsafetybc.ca

ATTN: MILLER
MISTER CRN CONSULTING INC.

1 RINKS STREET

MONTAGUE PE COA 1RO

**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@technicalsafetybc.ca.

The Engineering Information Management Team



9410 - 20 Ave N.W. Edmonton, Alberta, Canada T6N 0A4

Tel: (780) 437-9100 / Fax: (780) 437-7787

January 02, 2024

Attention: Dennis Jones

MISTER CRN CONSULTING INC

**BOX 488** 

MONTAGUE, PE COA 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

2023-07600 Page 1 of 1





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

of THAI SOUTH-PAC METAL CO., LTD.    Iname of manufacturer   Iname of Manufac	1,	Ma Le	Product Manager	In this space, show facsimile of manufacturer's logo or trademark as it will appear on the fitting.
Illocated at International Int	,,,	(name of applicant)	(position title) (must be in a position of authority)	
located at     149 /204-206 Petchkasem Road, Sol Petchkasem 95, Om Noi Subdistrict,   Krathumbaen District, Samutsakorn 74130 Thailand (plant address)	of T	THAI SOUTH-PAC METAL CO	, LTD.	
do solemnly declare that the fittings listed hereunder, which are subject to the Safety Codes Act (select only one)  ASTM B584/ASME B16.15,  Comply with the requirements of 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	locat		load, Soi Petchkasem 95, Om Noi Subdistrict,	MECH
ASTM B584/ASME B16.15,  comply with the requirements of A-A-59617(FOR UNION) /ANSI B1.20.1 which specifies the dimensions, (title of recognized North American Standard) which specifies the dimensions, or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with		and the second s		
ASTM B584/ASME B16.15,  Comply with the requirements of 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			listed hereunder, which are subject to the Safety	Codes Act
comply with the requirements of A-A-59617(FOR UNION) /ANSI B1.20.1 which specifies the dimensions, (title of recognized North American Standard) which specifies the dimensions, materials of construction, pressure/temperature ratings and identification marking of the fittings, or are not covered by the provisions of a recognized North American standard and are therefore manufactured to comply with	(sele	ect only one)		
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			그 아이들은 경기가 하는데 14시간 경기가 하면 다시 가지 않는데 가장이 가지 않는데 모든데 그 때문에 되었다.	Walter St. Language
are not covered by the provisions of a recognized North American standard and are therefore  manufactured to comply with	$\boxtimes$	comply with the requirement		specifies the dimensions,
manufactured to comply with		materials of construction, pr	essure/temperature ratings and identification mar	king of the fittings, or
manufactured to comply with				Cara man
(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		are not covered by the provis	sions of a recognized North American standard ar	d are therefore
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	verif	ied as described in the below T	able as being suitable for the manufacturing of the	ese fittings to the stated
	stan	dard, regulation, code, guideline	e or other applicable document. The fittings cover	ed by the declaration for
which I seek registration are as provided in the Supplementary Sheet(s) attached.				
	WHIC	it i seek registration are as pro-	vided in the Supplementary Sheet(s) attached.	
Quality Program Verification and Manufacturing Sites	Oue	lity Program Varification and	Manufacturing Sites	

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

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

Tracking	#:		





In support of this application, the following information, calculations and/or test data are attached: Fittings Catalogue, ISO 9001 Certificate שמו ושוו-מושו נשמים DECLARED before me at (a Commissioner of Oaths or Notary Public) (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 2023-07600 Standard B51, Part 1, Clause 4.2, and is accepted for **ABSA** registration in Category SAFETY CODES ACT - PROVINCE OF ALBERTA ACCEPTED: 0403451. 72 See acceptance letter for conditions of registration. Registered Date: 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 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





Table 1\*\* Scope of Fitting Designs Rated Pressure Primary Port Reference Pressure Design Pressure Catalogue Connections Material of MDMT Class(es) / Code(s) of Bearing / Item # (pages) or Drawing(s) At Ambient At Maximum Construction and Size Schedule(s) Construction Retaining Temperature Temperature Range Component

Table 2 Additional Scope Information	
List/Attach Additional Detail and References (Product Configurations, Options, Illustrations, etc.)	
Example:	
Series X Options	

<sup>\*\*</sup> For additional alternatives of Table 1, refer to Form AB-41a, Guide for Completing Form AB-41



2202 2nd Avenue Regina, SK S4R 1K3 Canada 1 (866) 530-8599 info@tsask.ca www.tsask.ca

#### REGISTRATION OF A PRESSURE FITTING DESIGN

December 21, 2023

Mister CRN Consulting Inc.
PO Box 488, Montague PE COA1RO
Montague, PE
Canada
COA1RO

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.



2202 2nd Avenue Regina, SK S4R 1K3 PH: 306.798.7111 Toll Free: 1.866.530.8599 Website: www.tsask.ca Email: designsubmission@tsask.ca

## **Statutory Declaration (Registration of Fittings)**

**TSK-1008** 

I. Declaration Information					
ı, Ma Le	,	Add manufacturer's logo or trademark as it will appear on the fitting			
Product Manager					
(company title, e.g. vice president, plant r (must be in a position of authority in the manufacturin	nanager, chief engineer) g plant where the fitting is produced)				
of: THAI SOUTH-PAC METAL CO., LT		MECH			
(name of manufa	acturer)				
located at: 149/204-206 Petchkasem (Plant Address – Apt/Street)	Road Krathumbaen Distric	t, St 74130 Thailand (Postal Code)			
do solemnly declare that the fittings listed herein <b>Vessel Act</b> (check one)	nunder, which are subject to the <b>Sask</b>	,			
ASTM E  Comply with the requirements of A-A-596	8584/ASME B16.15, 617(FOR UNION) /ANSI B1.20.1_which s recognized North American Standard)	specifies the dimensions,			
Materials of construction, pressure / tem	perature ratings and identification ma				
Are not covered by the provisions of a re					
to comply with data which identifies the dimensions, ma		_as supported by the attached nperature ratings and the basis			
for such ratings, and the marking of the f					
I further declare that the manufacturer of these					
verified by the following authority, <b>DQS</b> of these fittings to the stated standard. The fittin	as beir				
category A: bronze fittings & brass ni		THOIT I Seek registration, are			
In support of this application, the following inform		are attached:			
Fittings Catalogue, ISO 9001 Certificate	,				
II. Declaration	The state of the state of	Co.			
DECLARED before me at	In the	of the same of the			
thisday of	//	S TCR			
		The Male Sex Hill			
(print name)	(Signature)	SOUTH-PAC METAL CO.			
(Signature of Commissioner of Oaths)					
III. Office Use Only					
To the best of my knowledge and belief, the application meets the requirements of the <b>Boiler and Pressure Vessel Act</b> and CSA					
B51, Clause 4.2, and is accepted for registration in Category					
Technical Safety Authority of Saskatchewan	(Date Registered – MM DD YYYY) (For the Chief Inspector)	(Expiry Date – MM DD YYYY)			
Registration No. 0A3451.73					
File No13915		TSK-1008			
Registered Date: Dec. 21, 2023		Rev. 11/2021 Page 1 of 1			
Expiry Date: November 11, 2033		. 290 1 31 1			
Codes & Standards Compliance Office					



Direction des équipements sous pression

Montréal, le 8 janvier 2024.

DENNIS JONES
MISTER CRN CONSULTING INC.
488 BOX
MONTAGUE PEI
CANADA COA 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



# **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	Producr Manager
,,	(Name of the person in charge)	(Title of the person in charge)
from THAI SOUTH-PA	149 /204-20 AC METAL CO., LTD., located at <u>Krathumba</u>	06 Petchkasem Road, Soi Petchkasem 95, Om Noi Subdistrict,
	y's name)	(Plant's address)
hereby declare that the	above-mentioned fittings and subject to the	Regulation respecting pressure installations:
comply with the requor	uirements of the ANSI/ASME codes as to the	eir dimensions, identification, material and purpose
are not covered by t	he ANSI/ASME codes, but are in compliance	e with
		(Name of code or standard)
code or standard and a	re designed according to the best current en	gineering practice, as proven by the enclosed approval report.
2.2 Manufacturing qua	ality control	
I further declare that the	e manufacture of these fittings is controlled by	a quality control program that complies with the requirements of the
following code: ISO 9	1001 THE WIND HAS been vertied by	DQS
	me of code	(Authorized agency)
Signature of the person	in change*	Date (yyyy-mm-dd): >023. 11. 13
	SOUTH-PAC METAL CO.	

## 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 accepted for registration in the class	the Act and with standard CSA B51, Part 1, section 4.2, and is	
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):  (CRN):  (CRN):  (Articolistré au Quélige COA3451.76	Registration date (yyyy-mm-dd):	
Régie du bâtiment Québec 🔯 💠		
Perue par la RBQ		

#### **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 <a href="mailto:enregistrementdesplans@rbq.gouv.qc.ca">enregistrementdesplans@rbq.gouv.qc.ca</a>.

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

Bronze Fitting Catalogue rev 0 Scope:

Manufacturer:
Expiry Date: THAI SOUTH-PAC METAL CO., LTD.

24 November 2033 Expiry Date:

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 <a href="mailto:qasupport@gov.mb.ca">qasupport@gov.mb.ca</a> 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