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Toronto, Ontario
CANADA M9W 6N9
Tel.: 416.734.3300
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May 02, 2017

SCOTT ISLIP
ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L0R 2H8
CA

Service Request Type.: BPV-National AB
Service Request No.: 2053378
Your Reference No.: R-0676 NCI MSS SP-80 VALVES
Registered to.: NCI CANADA INC

Dear SCOTT ISLIP,

Please find enclosed the original response from AB, registered under the CRN No.: 0C19200.52.

As all jurisdictional fees are handled by the Technical Standards and Safety Authority (TSSA), you do not pay any jurisdictions directly.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Joanna Karpinski

Tel: 416-734-3377
Fax: 416-231-6183
Email: jkarpinski@tssa.org

April 11, 2017

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

Email: tfrancis@tssa.org

The design submission, tracking number 2017-02127, originally received on April 06, 2017 was surveyed and accepted for registration as follows:

CRN : 0C19200.52

Accepted on: April 11, 2017

Reg Type: New Design

Expiry Date: February 28, 2027

Drawing No. : SCOPE OF CRN REGISTRATION

Fitting type: CLASS 150 & 300 BRONZE GATE, CLOBE & CHECK VALVES

Design registered in the name of : NCI CANADA INC

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

As indicated on AB-41 Statutory Declaration form and submitted documentation, the code of construction is other engineering analysis.

This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form.

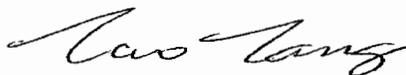
This registration is valid only until the indicated expiry date and only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date.

Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

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

Enclosed are stamped prints for your reference.

Sincerely,



TANG, TAO, P. Eng.

STATUTORY DECLARATION Registration of Fittings



I, DAVID TERRY, PRESIDENT (name of applicant) (position title) must be in a position of authority of NCI CANADA INC. (name of manufacturer) located at 2305 WYECROFT ROAD, OAKVILLE, ONTARIO, L6L 6R2 (plant address)

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

- [X] comply with the requirements of MSS SP-80 (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 (title of code of construction or other applicable document) 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 manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, CERTECH REGISTRATION INC. as being suitable for the manufacture of these fittings to the stated standard. The fittings covered by this declaration, for which I seek registration, are

CATEGORY C VALVES (brief description of fittings)

In support of this application, the following information, calculations and/or test data are attached: ISO 9001:2008 CERTIFICATE, CLASS 150 AND 300 BRONZE GATE, GLOBE AND CHECK VALVES SCOPE OF CRN, DRAWINGS, CALCULATIONS, REPORTS

DECLARED before me at Toronto in the Province of Ontario (city) (province or state) this 9th day of December, 2016 (Month) (Year) (print) Jimmy Marshall (a Commissioner of Oaths or Notary Public) (sign) [Signature] (signature of applicant)

For ABSA Office Use Only:

NOTES:

To the best of my knowledge and belief, the application meets the requirements of the Safety Codes Act and CSA Standard B51, Clause 4.2, and is accepted for registration in Category C

Registration Number: 0C19200-52 (signature of the Administrator/SCO)

Date Registered: APR 11 2017 Expiry Date: Feb 26, 2017

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.



NCI CANADA INC.
 2305 WYECROFT RD.
 OAKVILLE, ONTARIO
 L6L 6R2, CANADA

11-Jan-17

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SCOPE OF CRN REGISTRATION

Product Description	NCI Model	Design Code	Size Range	End Connection	Body and Bonnet Specification	MAWP at 150F (Note 1)	MAWP at MAWT (Note 1,2,3)	MDMT (Note 4)	Design Report
CL.150 Bronze Gate Valve Rising Stem MSS SP-80 Type 2	GTVA-TBZ2333	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL.150 Bronze Gate Valve Rising Stem MSS SP-80 Type 2	GTVA-SBZ2333	MSS SP-80 ASME B31.3	1/4" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL.150 Bronze Gate Valve Non-Rising Stem MSS SP-80 Type 1A	GTVB-TBZ2333	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL.150 Bronze Gate Valve Non-Rising Stem MSS SP-80 Type 1A	GTVB-SBZ2333	MSS SP-80 ASME B31.3	1/4" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL.150 Bronze Gate Valve Rising Stem MSS SP-80 Type 2 Union Bonnet	GTVA-TBZ2333U	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL.150 Bronze Gate Valve Rising Stem MSS SP-80 Type 2 Union Bonnet	GTVA-SBZ2333U	MSS SP-80 ASME B31.3	1/4" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-1
CL. 150 Bronze Globe Valve Non-Metallic Disc MSS SP-80 Type 2	GLBA-TBZ2360	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-2
CL. 150 Bronze Globe Valve Non-Metallic Disc MSS SP-80 Type 2	GLBA-SBZ2360	MSS SP-80 ASME B31.3	1/2" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-2
CL. 150 Bronze Globe Valve Metal Disc MSS SP-80 Type 1	GLBA-TBZ2330	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-2
CL. 150 Bronze Globe Valve Metal Disc MSS SP-80 Type 1	GLBA-SBZ2330	MSS SP-80 ASME B31.3	1/2" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-2

0019200-52



NCI CANADA INC.
 2305 WYECROFT RD.
 OAKVILLE, ONTARIO
 L6L 6R2, CANADA

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SCOPE OF CRN REGISTRATION CONTINUED

Product Description	NCI Model	Design Code	Size Range	End Connection	Body and Bonnet Specification	MAWP at 150F (Note 1)	MAWP at MAWT (Note 1,2,3)	MDMT (Note 4)	Design Report
CL.150 Inline Bronze Lift Check Valve Non-Metallic Disc MSS SP-80 Type 2	CKVB-TBZ2373	MSS SP-80 ASME B31.3	1/2" Thru 2"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-3
CL.150 Inline Bronze Lift Check Valve Non-Metallic Disc MSS SP-80 Type 2	CKVB-SBZ2373	MSS SP-80 ASME B31.3	1/2" Thru 2"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-3
CL.150 Bronze Y-Type Check Valve Metal Disc MSS SP-80 Type 3	CKVA-TBZ2331	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-4
CL.150 Bronze Y-Type Check Valve Metal Disc MSS SP-80 Type 3	CKVA-SBZ2331	MSS SP-80 ASME B31.3	1/4" Thru 3"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-4
CL.150 Bronze Y-Type Check Valve Non-Metallic Disc MSS SP-80 Type 4	CKVA-TBZ2361	MSS SP-80 ASME B31.3	1/4" Thru 3"	NPT	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-4
CL.150 Bronze Y-Type Check Valve Non-Metallic Disc MSS SP-80 Type 4	CKVA-SBZ2361	MSS SP-80 ASME B31.3	1/4" Thru 3"	Solder (Note 5)	ASTM B62 C83600	300 psig	145 psig at 450 F	-20F	R-0676-4
CL.300 Bronze Gate Valve Non-Rising Stem MSS SP-80 Type 1A Union Bonnet	GTVB-TBZ3333U	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B61 C92200	1000 psig	300 psig at 550 F	-20F	R-0676-5
CL.300 Bronze Gate Valve Rising Stem MSS SP-80 Type 2 Union Bonnet	GTVA-TBZ3333U	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B61 C92200	1000 psig	300 psig at 550 F	-20F	R-0676-5
CL. 300 Bronze Globe Valve Stainless Steel Disc and Seat MSS SP-80 Type 3 Union Bonnet	GLBA-TBZ3443U	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B61 C92200	1000 psig	300 psig at 550 F	-20F	R-0676-6
CL. 300 Bronze Globe Valve Metal Disc MSS SP-80 Type 1 Union Bonnet	GLBA-TBZ3333U	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B61 C92200	1000 psig	300 psig at 550 F	-20F	R-0676-6

0019200-52



NCI CANADA INC.
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 L6L 6R2, CANADA

11-Jan-17

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SCOPE OF CRN REGISTRATION CONTINUED

Product Description	NCI Model	Design Code	Size Range	End Connection	Body and Bonnet Specification	MAWP at 150F (Note 1)	MAWP at MAWT (Note 1,2,3)	MDMT (Note 4)	Design Report
CL 300 Bronze Y-Type Check Valve Metal Disc MSS SP-80 Type 3	CKVA-TBZ3330	MSS SP-80 ASME B31.3	1/4" Thru 2"	NPT	ASTM B61 C92200	600 psig	300 psig at 550 F	-20F	R-0676-7

Note 1: The pressure-temperature ratings shown are the maximum CRN pressure-temperature ratings. In all cases the MAWP may be limited by the seat or seal material or other considerations. Please consult NCI valve literature.

Note 2: Pressure-temperature ratings are in accordance with MSS SP-80 Table 1.

Note 3: Some codes (i.e., ASME BPVC, Section 1) limit the rating temperatures of ASTM B62 C83600 to 406F.

Note 4: The ratings given in MSS SP-80 at -20F to 150F shall also apply at lower temperatures. Products that are to operate at low temperatures shall conform to the rules of the applicable codes under which they are used.

Note 5: The safe pressure-temperature rating of a solder-joint piping system is dependent, not only on the valve, fitting and tubing strength, but also on the composition of the solder used for the joints. Pressure-temperature limitations for solder joints made with typical commercial solders are given in Table A1 of MSS SP-80. It shall be the responsibility of the user to select a solder composition that is compatible with the service conditions, as well as to assure the adequacy of workmanship employed in making the joints.

ABSA

SAFETY CODES ACT - PROVINCE OF ALBERTA

REGISTRATION OF FITTINGS

REGISTRATION NO. 0C19200-52

DWG. NO. or CAT. NO. Scope of CRN Registration

TYPE OF FITTINGS CL 150 & 300 Bronze Gate Globe & Check Valves

APR 11 2017 Date

INITIALS [Signature]
 TAO TANG, P.Eng.
 DESIGN SURVEY ENGINEER