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March 28, 2018

SCOTT ISLIP
ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6
CA

Service Request Type.: BPV-National BC
Service Request No.: 2233924
Your Reference No.: R-0764 tee and r-0764 lat
Registered to.: BAUM KUNSTSTOFFE GMBH

Dear SCOTT ISLIP,

Please find enclosed the original response from BC, registered under the CRN No.: 0A18088.251.

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

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

Yours truly,

Tanya Francis
Administrative Assistant_ BPV Engineering
Tel. : 416-734-3423
Fax : 416-231-6183
Email : tfrancis@tssa.org

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

Date: February 26, 2018
Account #: 35231
Journal #: 70080

Attn: TANYA FRANCIS

Re: Application for Design Registration

The design, as detailed in your, TSSA SR# 2233924, for a Fitting is accepted for registration as follows:

Registered To: BAUM KUNSTSTOFFE GMBH **CRN:** 0A18088.251

MDMT: -20 deg F

MAWT: 500 deg F

MAWP: 285 psig

Drawing #: R-0764 Tee & R-0764 Lat

Drawing Revision: 0

Conditions Of Registration:

Registration of Baum Class 150 Tees and Laterals as per att'd scope of registration + mfg loc sheet.

This design was registered based on a technical review performed by the province of initial registration in accordance with the Association of Chief Inspectors policy on reciprocal recognition of design review.

Reviewer's Notes:

Code of construction indicated as ASME B31.3. Mfg Locs: Birkenfeld Germany & Charleston, WV. As required by CSA B51 4.2.1, this registration expires on November 01, 2027. This CRN is valid until the expiry date as long as the Manufacturer maintains a valid QC program verified by an acceptable third-party agency until that date. Should the certification of the QC program lapse before the expiry date, this registration shall become void.

Contact me if you have any questions. The invoice for registration will be forwarded under separate cover.

SHARON PETERS

boiler.designregistration@technicalsaftybc.ca
Design Administration

cc:



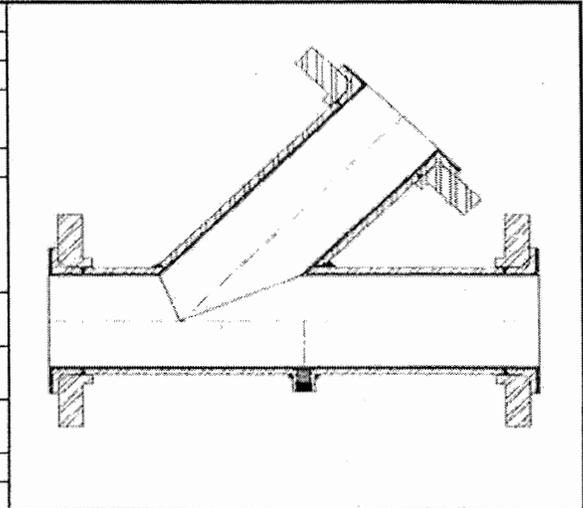
BAUM KUNSTSTOFFE GmbH
 GEWERBESTRABE 25-29
 75217 BIRKENFIELD
 GERMANY

14-Oct-17

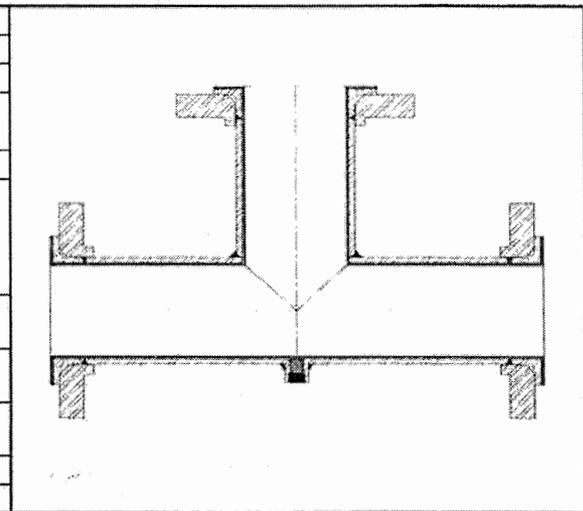
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SCOPE OF CRN REGISTRATION

Product Description:	CL. 150 45 Degree Lateral - Plastic Lined
Lining:	PP, PFA, PTFE, PVDF, ETFE and others
Design Standard:	ASME B31.3, ASME VIII-1, ASTM F1545-15a
Size Range NPS:	1"x1", 1-1/2"x1-1/2", 2"x2", 3"x3", 4"x4", 6"x6", 8"x8"
End Connections:	ASME B16.5 CL 150 (Note 1,2)
Material Specifications:	ASTM A105, A53, A106-B, A587 A234-WPB, A516-60, A182-304, A182-316, A312-304, A312-316, A403-304, A403-316
Carbon Steel Pressure Rating:	285 psig at 100F, 170 psig at 500F (Note 3)
304 S.Steel Pressure Rating:	275 psig at 100F, 170 psig at 500F (Note 4)
316 S.Steel Pressure Rating:	275 psig at 100F, 170 psig at 500F (Note 5)
MDMT:	-20F
Design Report No.:	R-0764-LAT



Product Description:	CL. 150 Tee - Plastic Lined
Lining:	PP, PFA, PTFE, PVDF, ETFE and others
Design Standard:	ASME B31.3, ASME VIII-1, ASTM F1545-15a
Size Range NPS:	6"x1", 6"x1-1/2", 6"x2", 6"x3", 6"x4", 6"x6" 8"x1", 8"x1-1/2", 8"x2", 8"x3", 8"x4", 8"x6", 8"x8"
End Connections:	ASME B16.5 CL 150 (Note 1,2)
Material Specifications:	ASTM A105, A53, A106-B, A587 A234-WPB, A516-60, A182-304, A182-316, A312-304, A312-316, A403-304, A403-316
Carbon Steel Pressure Rating:	285 psig at 100F, 170 psig at 500F (Note 3)
304 S.Steel Pressure Rating:	275 psig at 100F, 170 psig at 500F (Note 4)
316 S.Steel Pressure Rating:	275 psig at 100F, 170 psig at 500F (Note 5)
MDMT:	-20F
Design Report No.:	R-0764-TEE



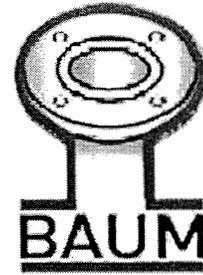
- Note 1: ASME B16.5 lap joint, slip-on or weldneck flanges may be used.
- Note 2: Flanges with a pressure class greater than class 150 Lb. may be used but in all cases the pressure-temperature ratings are limited to Class 150 Lb. ASME B16.5 pressure-temperature ratings.
- Note 3: Pressure Temperature ratings in accordance with ASME B16.5 Table 1.1 Cl. 150.
- Note 4: Pressure Temperature ratings in accordance with ASME B16.5 Table 2.1 Cl. 150.
- Note 5: Pressure Temperature ratings in accordance with ASME B16.5 Table 2.2 Cl. 150.
- Note 6: See Attached List of Manufacturing locations applicable to this CRN.



TECHNICAL SAFETY BC

THIS IS PART OF
 CRN 0A18088.25
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program
Julian Nov. 23/17

CRN #: 0A18088.251
 Date: February 20, 2018
 BC J#: 70080



WORLDWIDE LOCATIONS APPENDIX

**BAUM MANUFACTURING LOCATIONS
& CERTIFYING AUTHORITIES**

(rev. May 26, 2017)

BAUM KUNSTSTOFFE GmbH
Gewerbestraße 25-29
75217 Birkenfeld
Germany
ISO 9001:2008 Certified by TUV

BAUM AMERICA CORP.
3PPSI Circle
Charleston, WV
25312, USA
ISO 9001:2008 Certified by SMITHERS QUALITY ASSESSMENTS



**TECHNICAL
SAFETY BC**

CRN #: 0A18088.251
Date: February 20, 2018
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CRN 0A18088.25
Technical Standards & Safety Authority
Boilers & Pressure Vessels
Safety Program

W.A. NOV 23/17