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www.tssa.org

December 15, 2014

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

Service Request Type.: BPV-National AB
Service Request No.: 1466592
Your Reference No.: GUNTNER
Registered to.: GUNTNER DE MEXICO S.A. DE C.V.

Dear SCOTT ISLIP,

Please find enclosed the original response from AB, registered under the CRN No.: 0H16949.52.

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,

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

November 08, 2014

Attention: Tanya Francis
TECHNICAL STANDARDS & SAFETY AUTHORITY
3300 BLOOR STREET WEST
14 FLOOR CENTRE TOWER
TORONTO, ON M8X 2X4

The design submission, tracking number 2014-07062, originally received on August 29, 2014 was surveyed and accepted for registration as follows:

CRN : 0H16949.52 **Accepted on:** November 08, 2014
Reg Type: New Design **Expiry Date:** June 18, 2024
Drawing No. : 300-0000421923 Rev -
Fitting type: DISTRIBUTOR

Design registered in the name of : GUNTNER DE MEXICO SA DE CV

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

- *This registration has been issued:*

1. *Based on TSSA's review.*
2. *Based on the Association of Chief Inspectors Policy on Reciprocal Recognition of Design Review for Vessel Design Registration of August 1997.*

This registration is valid only for fittings fabricated at the location(s) covered by the QC certificate attached to the accepted AB-41 Statutory Declaration form. This registration is valid only until the indicated expiry date only if the Manufacturer maintains a valid quality management system approved by an acceptable third-party agency until that date. Should the approval of the quality management system lapse before the expiry date indicated above, this registration shall become void.

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

Enclosed are stamped prints for your reference.

Sincerely,



ISSA, SAMIR, P. Eng.



**STATUTORY DECLARATION
Registration of Fittings**

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

GUNTNER

I, IAN RUNSEY,
V.P. PRODUCT MANAGEMENT
(company title, e.g. vice president, plant manager, chief engineer) (must be in a position of authority)
of GUNTNER DE MEXICO, S.A. DE C.V.
(name of manufacturer)

located at Av. Rogelio Gonzalez Caballero No. 1000, Parque Industrial Stiva Aeropuerto, 66600 Apodaca, N.L. Mexico
(plant address)

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

- comply with the requirements of ASME SECTION VIII-1, B31.3 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 manufacture of these fittings is controlled by a quality control program which has been verified by the following authority, TUV-SUD - ISO 9001 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 H Fittings - Distributor

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

DRAWING 300-0000421923
DESIGN CALCULATIONS

DECLARED before me at 110 W. Hillcrest in the state of IL
this 13 day of May, 2014

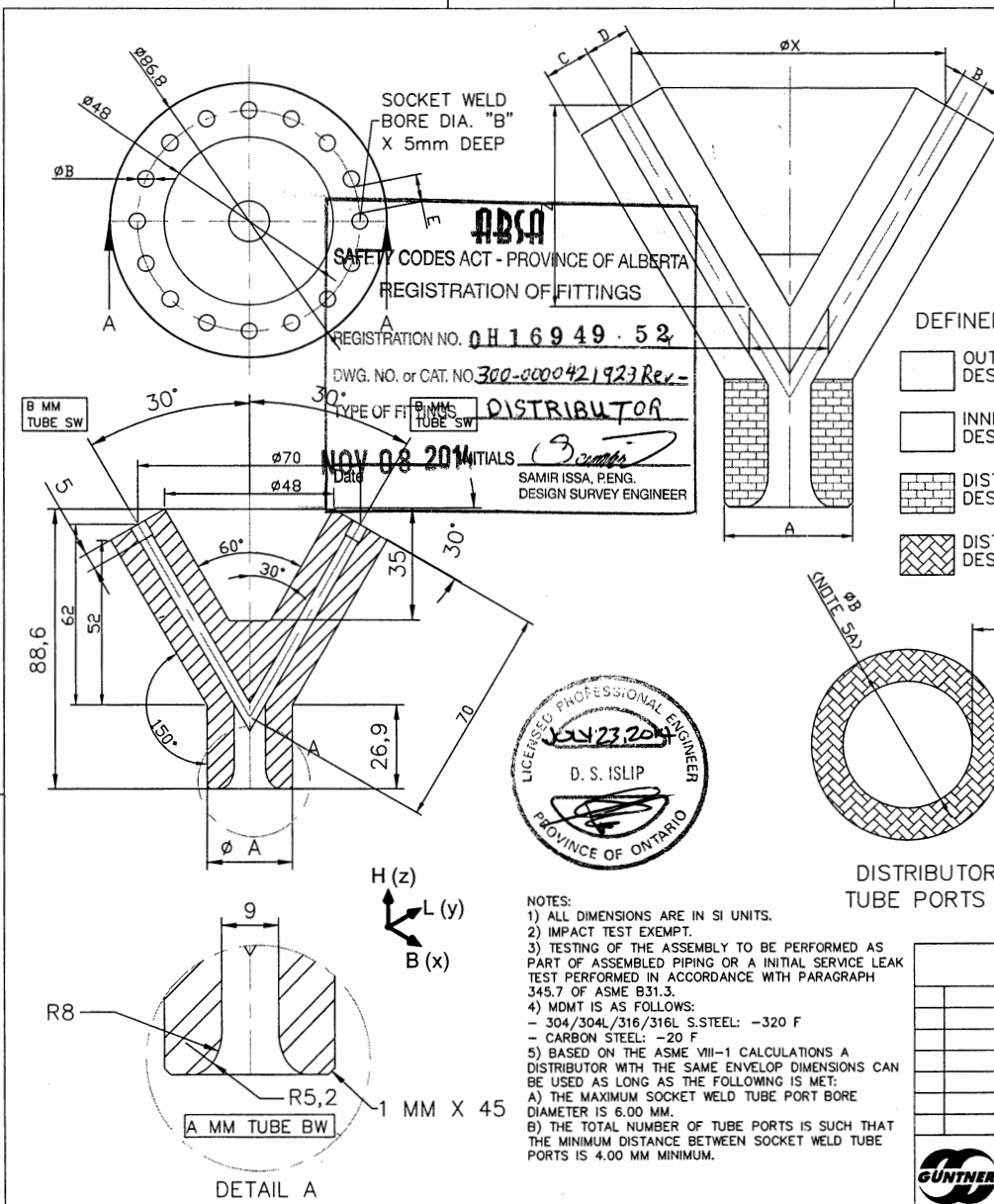
(print) _____
(sign) [Signature]  (Signature of Applicant)
(A Commissioner for Oaths)

For Office Use Only

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 H

Registration Number: 0H16949.52
Date Registered: NOV 08 2014
(For the Administrator/Chief Inspector of Alberta) [Signature]
Expiry Date: June 18, 2024

medidas sin especificación de tolerancias
 soldadura eléctrica / autógena: DIN EN ISO 13920, tolerancias clase D
 soldadura manual: DIN EN ISO 2768-1, tolerancias generales:
 tolerancias generales: DIN ISO 2768-2, partes clase M / ensamblajes > 100 mm de longitud: DIN EN 10162, planchales y ensamblajes > 100 mm de longitud: DIN EN 10162



ABSA
 SAFETY CODES ACT - PROVINCE OF ALBERTA
 REGISTRATION OF FITTINGS
 REGISTRATION NO. **0416949-52**
 DWG. NO. or CAT. NO. **300-000421923 Rev-**
 TYPE OF FITTINGS **DISTRIBUTOR**
NOV 08 2014
 INITIALS *(Signature)*
SAMIR ISSA, P.ENG.
 DESIGN SURVEY ENGINEER



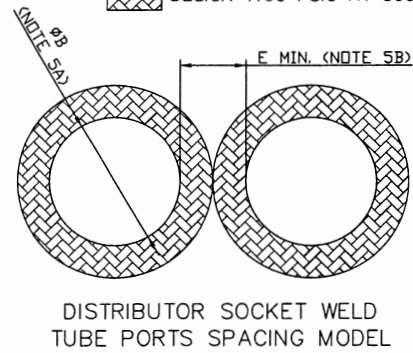
NOTES:
 1) ALL DIMENSIONS ARE IN SI UNITS.
 2) IMPACT TEST EXEMPT.
 3) TESTING OF THE ASSEMBLY TO BE PERFORMED AS PART OF ASSEMBLED PIPING OR A INITIAL SERVICE LEAK TEST PERFORMED IN ACCORDANCE WITH PARAGRAPH 345.7 OF ASME B31.3.
 4) MDMT IS AS FOLLOWS:
 - 304/304L/316/316L S.STEEL: -320 F
 - CARBON STEEL: -20 F
 5) BASED ON THE ASME VIII-1 CALCULATIONS A DISTRIBUTOR WITH THE SAME ENVELOP DIMENSIONS CAN BE USED AS LONG AS THE FOLLOWING IS MET:
 A) THE MAXIMUM SOCKET WELD TUBE PORT BORE DIAMETER IS 6.00 MM.
 B) THE TOTAL NUMBER OF TUBE PORTS IS SUCH THAT THE MINIMUM DISTANCE BETWEEN SOCKET WELD TUBE PORTS IS 4.00 MM MINIMUM.

MODEL	DIA. A (mm)	DIAMETER B (mm)	MIN. THICKNESS C (mm)	MIN. THICKNESS D (mm)	MIN. DISTANCE E (mm)	X (MM)	Y (MM)	Z (MM)
21-4	21	4.0000	9.7000	9.7000	4.0000	66.5000	17.8000	42.2000
21-5		5.0000	9.7000	9.7000	4.0000	65.7000	16.6000	42.5000
21-6		6.0000	9.7000	9.7000	4.0000	64.8000	15.5000	42.7000
26-4	26	4.0000	9.7000	9.7000	4.0000	66.5000	17.8000	42.2000
26-5		5.0000	9.7000	9.7000	4.0000	65.7000	16.6000	42.5000
26-6		6.0000	9.7000	9.7000	4.0000	64.8000	15.5000	42.7000
33-4	33	4.0000	9.7000	9.7000	4.0000	66.5000	17.8000	42.2000
33-5		5.0000	9.7000	9.7000	4.0000	65.7000	16.6000	42.5000
33-6		6.0000	9.7000	9.7000	4.0000	64.8000	15.5000	42.7000
42-4	42	4.0000	9.7000	9.7000	4.0000	66.5000	17.8000	42.2000
42-5		5.0000	9.7000	9.7000	4.0000	65.7000	16.6000	42.5000
42-6		6.0000	9.7000	9.7000	4.0000	64.8000	15.5000	42.7000

DEFINED ASME AREA MODEL

- OUTER DISTRIBUTOR TRANSITION DESIGN 1160 PSIG AT 300 F INTERNAL
- INNER DISTRIBUTOR TRANSITION DESIGN 1160 PSIG AT 300 F EXTERNAL
- DISTRIBUTOR CYLINDER DESIGN 1160 PSIG AT 300 F INTERNAL
- DISTRIBUTOR SOCKET WELD TUBES DESIGN 1160 PSIG AT 300 F INTERNAL

VESSEL CODE	ASME VIII-1, 2013
PIPE CODE	ASME B31.3, 2012
CODE STAMP	NONE
CRN NUMBER	TBA
WIND CODE	N/A
SEISMIC CODE	N/A
IMPACT TEST	NONE
INTERNAL DESIGN	1160 PSIG AT 300 F
EXTERNAL DESIGN	0 PSIG AT 300 F
MDMT	NOTE 4
HYDROTEST PRESS	INFELD (NOTE 3)
CORROSION ALLOW.	NIL
RADIOGRAPHY	NONE
MT / PT	NONE
WPS	TBA
PWHT	NONE
WEIGHT DRY	N/A LBS.
WEIGHT FULL	N/A LBS.
VOLUME	<11.2USGAL (<1.5 FT^3)
INTERNAL FINISH	NONE
EXTERNAL FINISH	NONE



Material:
 DV: Stainless Steel SA182-304/304L
 DV: Stainless Steel SA479-304/304L
 DV: Stainless Steel SA182-316/316L
 DV: Stainless Steel SA479-316/316L
 DF: Carbon Steel SA105
 DF: Carbon Steel SA36

escala	NONE	tamaño	DIN A3
material			
peso [kg]			
notificación			
tipo	Distributor General Dwg CRN		
nombre			
Baan-No.			
descripción	fecha	nombre	número de dibujo
	11.03.2014	emontalvo	300-000421923
aprb.	cliente	proyecto / cantidad	orden / posición



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