



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

www.tssa.org

October 17, 2018

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

Service Request Type: BPV-Fitting Registration
Service Request No.: **2417042**
Your Reference No.: R-1002
Registered to: BENNETT MECHANICAL INSTALLATION (2001) LTD.

Dear SCOTT ISLIP,

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

CRN No.: **0H20773.5**

Main Design No.: Dwg. No. R-1002 Rev. 0, NPS 6"DIA. Header
Expiry Date: 17-Oct-2028

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

The stamped copy of the approved registration and the invoice are mailed separately. 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,

Mark Valcic P. Eng.
Engineer Specialist BPV
Tel.: 416-734-3494
Fax: 416-231-1626
Email: mvalcic@tssa.org



TECHNICAL STANDARDS & SAFETY AUTHORITY
 14th Floor, Centre Tower
 3300 Bloor Street West
 Toronto, Ontario
 Canada M8X 2X4

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



BENNETT

STATUTORY DECLARATION
Registration of Fittings

I, COLIN MANN, FABRICATION AND FACILITIES MANAGER
(Name and Position, e.g. President, Plant Manager, Chief Engineer)

of BENNETT MECHANICAL INSTALLATION (2001) LTD.
(Name of Manufacturer)

Located at 524-6th Concession Rd. West, Millgrove, Ontario, L0R 1V0 905-689-7242 905-689-7289
(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 ASME SECTION VIII-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 CSA B51 which has been verified by the following authority, TSSA

The items covered by this declaration, for which I seek registration, are category H HEADER type fittings. In support of this application, the following information and/or test data are attached as follows:
DRAWING R-1002 R.0 AND CALCULATIONS

(drawings, calculations, test reports, etc.)

Declared before me at CITY OF HAMILTON in the PROVINCE of ONTARIO
 the 5TH day of OCTOBER AD 20 18.

Commissioner for Oaths:
Anthony William Quinn, a Commissioner, etc.,
City of Hamilton, for Bennett Mechanical
Installations (2001) Ltd. and Bennett Contracting
Millgrove Ltd. Expires April 29, 2021.
 (Signature)

[Signature]
 (Signature of Declarer)

FOR OFFICE USE ONLY

To the best of my knowledge and belief, the application meets the requirements of the **Technical Standards and Safety Act**, Boilers and Pressure Vessels Regulation, and CSA Standard B51 and is accepted for registration in Category H.

CRN: OH/20773.5
 Registered by: MARK VALCIC, P.ENG
 Dated: OCT. 17, 2018
 NOTE: This registration expires on OCT. 17, 2028

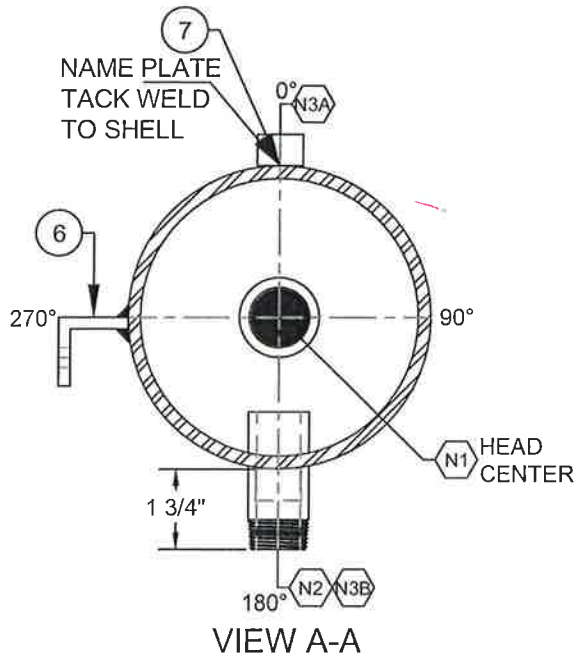
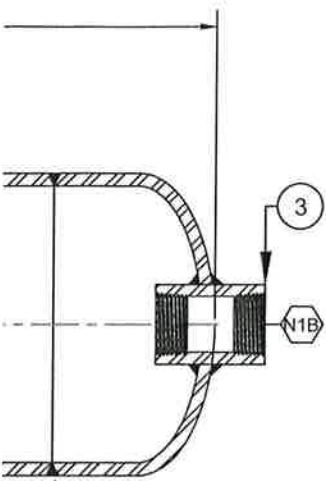
Technical Standards and Safety Authority	Boilers and Pressure Vessels Safety Program
REGISTERED	
CRN:	<u>OH/20773.5</u>
Signed:	<u>[Signature]</u>
Date:	<u>OCT. 17, 2018</u>

Bill of Materials

Item	Description	Material	Qty
1	SHELL	6" SCH. 40 SA106-B C.STEEL PIPE X 26.13" LG.	1
2	HEADS	6" SCH. 40 SA234-WPB C.STEEL WELD CAP	2
3	N1	1" 3000 LB. SA105 C.STEEL FULL CPLG	2
4	N2	1" SCH. 80 SA106-B C.STEEL PIPE TOE X 3" LG.	3
5	N3	1/4" 6000 LB. SA105 C.STEEL THREADOLET	2
6	ANGLE	1-1/2"X1-1/2"X1/4"THK X 8-5/8" LG. C.STEEL SA36 ANGLE - SEE DETAIL	1
7	NAMEPLATE	STAINLESS STEEL - SEE DETAIL	1

Notes:

1. All dimensions are in inches. SI units if provided are in brackets.
2. All nozzle bolt holes straddle the major centerlines unless specifically noted.
3. All nozzle gasket surfaces require a serrated finish per ASME B16.5.
4. All piping/nipples shall be per ASME B36.10 (latest), all fittings shall be per ASME B16.9 (latest), all flanges shall be per ASME B16.5 (2013), B16.47 (2011) and all couplings shall be per ASME B16.11 (latest).
5. All welds to be neat in appearance, free of slag and other debris.
6. Item to be cleaned of scale, oil, weld splatter and all foreign matter prior to hydrostatic test.
7. Inside nozzle corners to have a minimum $\frac{1}{8}$ " radius.
8. Impact test exempt per UCS-66.
9. Fabricator to be certified to CSA-B51. Fabricator shall be authorized for shop fabrication of pressure vessels per ASME Section VIII, Div.1.



THIS IS PART OF
 CRN *off 20773.5*
 Technical Standards & Safety Authority
 Boilers & Pressure Vessels
 Safety Program

CERTIFIED BY	
BENNETT MECHANICAL EST. 1981	
BENNETT MECHANICAL INSTALLATIONS (2001) LTD.	
MAWP	120 PSIG AT 100 °F
MAEWP	0 PSIG AT 100 °F
MDMT	-20 °F AT 120 PSIG
SERIAL NO.	TBA
CRN	TBA
YEAR BUILT	2018
TAG	

ITEM 7 DETAIL



SECTION DATA
1" 3000 LB. FNPT
1" SCH. 80 MNPT
1/4" 6000 LB. FNPT

UNLESS OTHERWISE NOTED
 1. DIMENSIONS ARE IN INCHES. IF USED SI UNITS ARE IN () BRACKETS.
 2. TOLERANCES
 FRACTIONAL: +.1/8"
 DECIMALS: .XX +/- .02
 .XXX +/- .005

THE INFORMATION CONTAINED IN THE DRAWING IS THE SOLE PROPERTY OF BENNETT MECHANICAL. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BENNETT MECHANICAL IS PROHIBITED.

REV	DESCRIPTION	DATE	INITIALS
TITLE NPS 6 DIA. HEADER			
CLIENT Z-Z CONVEYING TECHNOLOGY INC.			
REFERENCE DRAWING B-5067-A			
DRAWN BY SI	DRAWING SIZE B	 EST. 1981 BENNETT MECHANICAL WWW.BENNETTGROUP.CA	
CHECKED BY CM	SCALE 1:4		
DATE 03/10/2018	DRAWING NO. R-1002		
REV. 0	SHEET 1 of 1		