

February 05, 2020

Attention: Scott Islip
ROUND ENGINEERING INC
10 SEGWUN ROAD
WATERDOWN, ON L8B 0K6

The design submission, tracking number 2020-00629, originally received on February 03, 2020 was surveyed and accepted for registration as follows:

CRN : Z2188.2 **Accepted on:** February 05, 2020
Reg Type: NEW DESIGN
Drawing No. : 6CA.51.4.S258.14QU00_00

Design registered in the name of : CROM SRL

Description	MAWP	Design Temperature	MDMT
SS Internal Pressure	2000kPa	65 °C	-10 °C

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

Shell side of the heat exchanger registered only.

Expanded tube length in tubesheet is 30.6mm per client provided calculations.

The finned tubes are designed in accordance with Appendix 23 of ASME Section VIII, Div. 1. The notation according to 23-5 of Appendix 23 shall be entered to the MDR under Remarks.

This heat exchanger design has been accepted for registration by ABSA based on the specific operating conditions which provide the Shell and Tubes Mean Metal Temperatures as identified in the design condition table in the drawing. This condition must be listed on Form U-5 of the MDR.

This heat exchanger design must be re-evaluated before it is operated at any different operating conditions. Such evaluation records (detailed calculations) must be permanently kept on file with the owner/user of this heat exchanger and be readily available upon request by an A.I.. This note must appear on the Manufacturer's data report. In addition, this heat exchanger shall be supplementary marked as per UHX-19.2.2

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 3306 or fax (780) 437-7787 or e-mail Wangi@absa.ca.

Sincerely,



WANG, IAN, P. Eng.
DOP Cert. No. D00009643