



the pressure equipment safety authority

9410 - 20 Ave N.W.

Edmonton, Alberta, Canada T6N 0A4

Tel: (780) 437-9100 / Fax: (780) 437-7787

October 15, 2025

Certificate of Design Registration

To attest that subject design is registered in accordance with section 40 of the Safety Codes Act and recorded in the information system maintained pursuant to section 58 of the Safety Codes Act.

See Appendix A to this Certificate

ROUND ENGINEERING INC
10 SEGWUN ROAD
WATERDOWN, ON L8B 0K6

Attention: Scott Islip

The design submission, Tracking Number 2025-03884, Web Portal Number 2025-S3220, originally received on June 11, 2025 was surveyed and accepted for registration as follows:

CRN : AA5411.2

Accepted on: October 15, 2025

Reg Type: NEW DESIGN

Document No. 4616-01-D & 4616-01-V Rev 0 & 5

Design registered in the name of : MELCO STEEL INC.

Description	MAWP	Design Temperature	MDMT
Internal Pressure	689kPa	204 °C	-18 °C
External Pressure	103kPa	204 °C	-18 °C

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

- Per our communications, this registration is based on the understanding that the heads are cold formed with subsequent heat treatment in accordance with the requirements of UCS-79.

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

If you have any questions don't hesitate to contact me by phone at (587) 943-8747 or fax (403) 291-4545 or e-mail Springett@absa.ca.

JESSIE SPRINGETT,
DOP Cert. No. D00011113

Appendix A: List Of Files And Documents

The design registered under this Certificate of Design Registration and CRN is described in the electronic files listed below. These files include plans, diagrams, drawings, specifications, and other pertinent documents related to the pressure equipment or procedure subject to this registration.

Document Description	File name
Certificate of Design Registration	2025-03884 Certificate.pdf
Drawing	R-2248 4616-01-D Stamped.pdf
Drawing	R-2248 4616-01-V Rev 5 UPDATED 9-30-25 Stamped.pdf
Calculations	R-2248 4616, DesignCalcs Reports October 2, 2025.pdf
Calculations	4616, Harris door Hand calcs.pdf

2025-03884	ABSA
SAFETY CODES ACT - PROVINCE OF ALBERTA	
ACCEPTED: AA5411.2	
See This Certificate of Design Registration for Conditions and remarks	
Date: 2025-10-15	
Registered By: 	
JESSIE SPRINGETT DOP:D00011113	

This stamp and signature have been affixed electronically to this registered design as required by Section 19(1) of the Pressure Equipment Safety Regulation, in accordance with the Electronic Transactions Act.