

Pressure Vessel Engineering Ltd.

120 Randall Drive Suite B, Waterloo, Ontario, Canada, N2V 1C6 Phone: 519-880-9808 • Fax: 519-880-9810 • Web: www.pveng.com

Pressure Vessel Engineering 120 Randall Drive, Suite B Waterloo, Ontario N2V 1C6

Oct 21, 2020

Caloris Engineering 8649 Commerce Drive Easton, MD 21601, USA

Drawing #: M877-8469

PVEng Reference #: PVEng 15912

Dear Mullhausen, David

Please find enclosed the following documentation in regards to your CRN application.

1. CRN acceptance letter

2. CRN stamped paperwork

If you have any questions regarding this project, please contact me.

Best Regards,

Catherine Diplock 519-880-9808 x226

Catherine Diplock

cmd@pveng.com



Inspection and Technical Services Manitoba Municipal Relations Winnipeg Manitoba R3C 0P8
T (204) 945-3373
F (204) 948-2309
firecomm.gov.mb.ca/itsm_steam_pressure.html

October 8, 2020

Pressure Vessel Engineering Ltd. 120 Randal Drive, Suite B Waterloo, ON N2V 1C6

Attention: Catherine Diplock

REGISTRATION OF DESIGN

Manufacturer: Seitz Stainless

The design(s) for the following Valves/Fittings has been received by us and has been examined and accepted for registration in the Province of Manitoba as follows.

| MAIN DRAWING | REVISION | CRN | PRESSURE | TEMPERATURE | FILE 40518 | |
|--------------|----------|----------|----------|-------------|---------------|--|
| M877-8469 | В | 0H7066.4 | 50 PSIG | 300 °F | | |

An invoice covering survey and registration fees is enclosed.

NOTE:

- 1. This registration expires Oct 08, 2030.
- 2. Items PI44, PI45, PI46, STR02, & ST01 shall have a valid CRN with the province of Manitoba.
- 3. The approved weld sizes are validated in calculation package 15912c-1 R0

This registration is valid 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.

The registration of this design does not relieve the manufacturer, the owner or his agent of the responsibility for the design or construction of a fitting in accordance with the applicable Acts, Codes and Standards. Inspection and Technical Services assumes no responsibility by registering designs, examining plans and/or inspecting equipment or facility.

Regards,

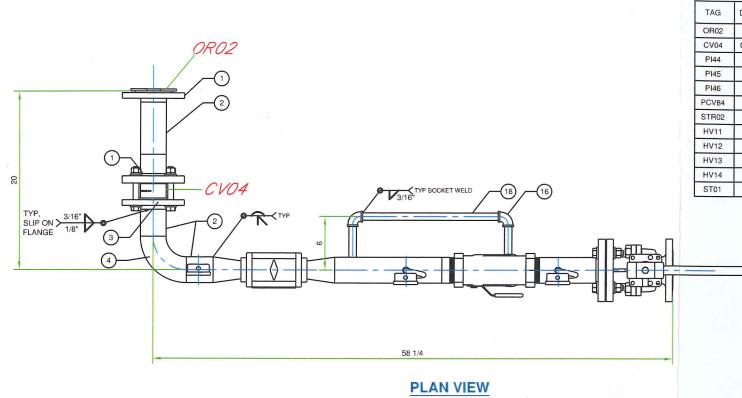
Mohamed Elsayed, P.Eng, PMP, LSSGB

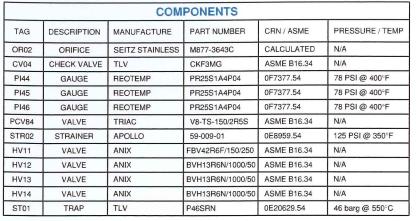
Inspector & Design Surveyor
Inspection and Technical Services
Municipal Relations
508 - 401 York Avenue
Winnipeg, Manitoba, R3C 0P8

Email: Mohamed.Elsayed@gov.mb.ca

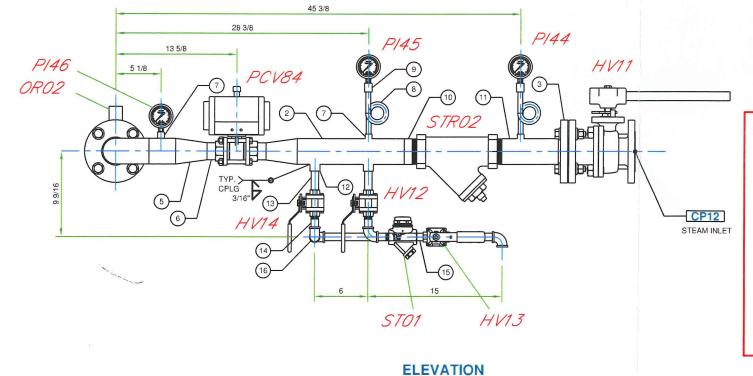
Cell: (204) 794-3534

Website: http://www.firecomm.gov.mb.ca/itsm steam pressure.html









Manitoba 9 Inspection & Technical Services

REGISTERED

CRN: 0H7066.4

Signature:

Digitally signed by Mohamed Elsayed Date: 2020.10.08 15:01:53 -05'00'

Date: Oct 08, 2020

FINISH SPECIFICATIONS ALL SUBFACES MILL FINISH OR FACTORY PART FINIS FREE OF WELD SPATTER & CREVICES. REMOVE DISCOLORATION WHERE INSPECTABLE DESIGN CODE: ASME B31.3, 2018 EDITION DESIGN PRESSURE: 50 PSIG DESIGN TEMPERATURE: 300°F MDMT: ROOM TEMPERATURE **HYDROTEST PRESSURE: 75 PSI**

CORROSION ALLOWANCE: NON CORROSIVE SERVICE RT: 5%

PWHT: NONE

IMPACT TEST: EXEMPTED PER 323.2.2

| FINAL PER REVIEW | | BY: DGM | SCALE | SCALE 1:5 FOR | | FOR | STEAM FITTING | | |
|------------------|--------------------------|----------|--------------------------------|---------------|-----|------------------|---------------|-------------|------|
| | | 08-25-20 | DRAWN | 07-13-20 | DGM | MERIT | FOR CA | TH REGISTRA | TION |
| | NOTATION FURTHER REVISED | BY: JSH | CHECK | 00-00-00 | - | FUNCTIONAL FOODS | IN MANITOBA | 11101 | |
| | | 08-10-20 | APPR | 00-00-00 | - | WINNIPEG, MB | 113 | N MANTOBA | |
| NOTATION REVISED | | EY: DGM | | | | | 1 | | |
| | | 08-06-20 | CALORIS' | | | SHT 1 OF 1 | | | |
| | RELEASE FOR REGISTRATION | BY: DGM | | | | | | DWG# | REV |
| | | 07-14-20 | www.caloris.com (410) 822-6900 | | | | | M877-8469 | В |

CONFIDENTIAL INFORMATION: THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION, WHICH CALORIS ENGINEERING, LLC CONSIDERS TO BE OF A CONFIDENTIAL NATURE. ALL MATERIALS CONTAINED OR REFERRED TO HEREIN SHALL BE RETURNED TO CALORIS ENGINEERING, LLC