
Cameron Moore, P.Eng. Senior Mechanical Engineer

Qualification Highlights

- Mechanical design using SolidWorks and AutoCAD
- Leading edge design skills using Finite Element Analysis (FEA) with SolidWorks Simulation
- FEA report writing in compliance with Alberta's standard, AB-520 and CSA B51 Annex J
- Advanced Understanding of commercial vessel software: Compress, PV Elite, CodeCalc, DesignCalcs and Nozzle Pro
- Design pressure vessels and pressure retaining devices
- Managing multiple projects simultaneously from quotation to fabrication

Code Knowledge:

- ASME Section VIII-1, VIII-2, I, IV, B31.1/B31.3, CSA-Z662, various other ASME standards

Specializing in:

- Pressure Vessels, Finite Element Analysis, Heat Exchangers, Boilers, Piping and Fittings

Experience

2008 – Present

Pressure Vessel Engineering – Senior Mechanical Engineer

- Review and markup drawings for ASME compliance
- Design and analysis of pressure equipment using FEA and analytical methods
- Fatigue assessment of pressure equipment per ASME VIII-2
- Solid models and drawings
- Consulting with customers regarding Canadian registration numbers (CRN)
- Peer review of engineering work prepared within the office

2006 Sept-Dec

ModaTek Systems – Manufacturing Engineering (co-op)

- Improved robot efficiencies and reduced cycle times in automated welding lines
- Designed bin layouts and process instructions to help increase operator efficiency and improve overall ergonomic conditions

2005 May-Dec

Heartland Appliances – Mechanical Engineering (co-op)

- Created and modified part designs and assisted in development and testing of new products in the company lab
- Regularly inspected parts for quality and overall functionality as well as developing solutions to prevent defects
- Helped implement Lean manufacturing processes, namely converting the company to a Kanban style of ordering system

Education

**Graduated in 2007 - Bachelor of Applied Technologies in Mechanical Systems Engineering
Conestoga College Institute of Technology and Advanced Learning**

Professional Credentials

Licensed Professional Engineer in the province of Ontario (PEO)