



POSITION: Structural Design Engineer (Junior/Intermediate level)

LOCATION(S): Sobotec Head Office, Hamilton ON

COMPANY PROFILE:

Sobotec Ltd. is a leading supplier and fabricator of architectural metal wall systems with facilities located in the Hamilton area. The wall systems primarily utilize natural metals, high pressure laminates and aluminum composite sheet materials in conjunction with extruded aluminum profiles fabricated into wall panels. These wall panels are designed for application on various building types throughout North America ranging from the petroleum industry (i.e. gas stations, car washes, fueling centers, etc.), automotive dealerships, medical and educational institutions to the interior and exteriors of corporate office buildings. For more information or to view some of the projects we have completed, please visit us on the web @ www.sobotec.com .

The Structural Design Engineer's main role will include the completion of engineering design calculations for various panel systems used on projects throughout Canada and the United States. Further tasks may include:

- Aiding in the development of new panel systems that must balance a number of competing interests (structural, thermal, moisture protection, fire propagation, economical, ease of installation, etc)
- planning the testing of new and existing systems at 3rd party laboratories if required

The position reports to the R&D and Engineering Manager, and is based in our Hamilton Office.

RESPONSIBILITIES:

- Prepare engineering design calculations based on the building and design codes relevant to the project's location
- For projects in the U.S., liaise with local consulting companies to ensure Sobotec project documents (drawings and calculations) will be sealed by consultant registered in project's jurisdiction
- Communicate engineering design requirements for each project to drafting team to ensure projects are drawn and detailed adequately
- Manage multiple ongoing projects at a time

EDUCATION AND EXPERIENCE:

- Bachelors degree in Civil/Structural Engineering
- Candidates should be actively working towards obtaining their P.Eng. designation, or already have it
- Some experience in the curtain wall industry, architectural products industry, or related field is an asset
- Ability to solve linear-static structural engineering problems both by hand and using software
- Proficiency with structural design software, AutoCAD, Microsoft Office Suite



- Experience with finite element analysis and Solidworks 3D design software would be an asset
- Working knowledge of design codes and standards used for curtain wall design in the United States (IBC, ASCE 7, NASPEC, ADM, etc) and Canada (NBCC, NASPEC, CSA S157, etc)
- Ability to provide leadership to student intern engineers
- Ability to work effectively both independently and in a team environment
- Ability to conceptualize structural and architectural details in 3 dimensions

COMPENSATION:

- Full time position with a competitive salary based on experience
- Full company benefits

If you are interested in this position, please email your resume to hr@sobotec.com . Please use **“Structural Engineer”** as the subject line when submitting your resume.

We thank all who apply however only those chosen for an interview will be contacted.

Sobotec Ltd. is proud to provide employment accommodation during the recruitment process. Should you require any accommodations, please indicate your needs on your cover letter or resume, and we will work with you to meet your accessibility needs.