

FORTECH ENGINEERING LTD.

Job Description - Mechanical Engineer in Training

Overview:

Fortech Engineering Ltd. is a mechanical and electrical engineering company based in Cambridge Ontario providing engineering services for the construction industry across Canada. We provide design and consulting services for industrial, commercial, retail, institutional, and multi-residential projects with a focus on client satisfaction and problem free designs.

General Duties:

To work as a full-time Mechanical Engineer in Training producing designs and construction documents of mechanical HVAC, plumbing systems and sprinkler systems for commercial, retail, and industrial building types across Canada.

The ideal candidate will have experience with different design concepts mechanical building systems. The candidate will be responsible for coordinating with various clients including building owners and architects on specific project requirements and with other disciplines including civil, structural and electrical on detailed design items.

Some of the key responsibilities include the following:

- Perform building heating and cooling load calculation using HAP (experience with energy modeling is an asset).
- Develop design concepts for a variety of building types during schematic design and design development phases.
- Implement conceptual design from SD and DD into contract documents for issuance.
- Perform engineering calculations for HVAC, plumbing and fire protection system sizing.
- Work with P. Eng to prepare construction drawings and sketches using Revit and AutoCAD.
- Coordinate with clients (architect, structural engineers, owner, contractor) for design requirements.
- Coordinate with suppliers and manufacturer's representatives for equipment selections.
- Review shop drawings against drawings to ensure correct product selection and specification.
- Coordinate with contractors and site personnel during construction phases including responding to RFIs and creating change notices and site instructions.
- Perform site audits during contract administration to ensure the designs and code requirements are being followed by the contractor.

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Qualifications:

- Bachelor's in mechanical engineering from an accredited Canadian institution
- Knowledge of mechanical building systems including HVAC, plumbing and fire protection
- Strong working knowledge of interpreting and producing engineering drawings
- AutoCAD and Revit experience considered a strong asset
- Knowledge of Ontario Building Code, ASHRAE, NFPA and CSA Standards
- Ability to work in a remote team environment and meet deadlines
- Strong attention to detail and organizational skills
- Strong written and verbal communication skills
- Self-motivated and a desire for continued learning

Job Type: Full Time with ability to work remotely (4 days/week)

Salary: \$65,000 – 85,000 (salary commensurate with experience)

Apply: Submit resume and cover letter on the Fortech website (include Transcripts if you have less than 2 years relevant work experience).