

## **Structural Engineer for Stone Engineering Position**

Stone Engineer (with Structural Engineering background), classified as a Professional staff member, will work effectively in our growing environment in a manner that meets clients' expectations in a proactive and reliable manner, while maintaining the highest standards of technical excellence. Below is a summary of the key responsibilities that are required as part of this job function:

- Prepare, with a high degree of accuracy and care, design calculations, specifications, scopes of work and other technical documents, as well as technical review of structural work.
- Oversee the production of detailed design drawings of various stone projects
- Review drawings, specifications and documents to ensure high level of quality and compliance to applicable building codes and endorse with P. Eng. stamp
- Assemble project estimates and support the preparation of stone fee proposals.
- Familiar with U.S. codes and requirement
- Apply effective structural analysis and design experience:
  - Natural stone connection design
  - Various cladding system design including but not limited to Stone, GFRC, Sintered Stone, Porcelain, etc.
  - Backup design for cladding systems and or traditional stone connections
  - Light gauge steel framing
  - Curtain wall design
  - Miscellaneous/Minor structural design
    - a. New building design (commercial, institutional, light industrial, residential)
    - b. Concrete and steel design, additional design skills deemed desirable include: light-steel framing, light-timber framing, heavy-timber framing, aluminum, glass, stainless steel.
    - c. Renovations to existing buildings
- Willingness to travel to carry out site inspections and fulfill other contract administration responsibilities.
- Ensure client requirements and schedules are met and exceeded on a regular basis.
- Participate actively in, and contribute to, company meetings and events.
- Positively contribute to the development of client relationships and new business opportunities including assisting with the preparation of proposals and attendance to sales meetings, as applicable.
- At all times, effectively manage clients and client expectations in a professional manner.

### **Key qualifications:**

- Minimum 5 years design experience.
- Multi tasking during time sensitive projects
- Solid in Technical Report Writing
- University Degree in Civil/Structural Engineering from a recognized University
- Registered with the Professional Engineers of Ontario (additional registrations are an asset).
- Experience with structural engineering software such as SAP2000, ETABS, SAFE, RAM Steel, spSlab, spColumn, AutoCAD, etc., and MS Excel.
- Consulting and project management experience
- Experience dealing with clients on technical issues.
- Experience working with Stone and Structural Engineering teams and sub-consultants, and co-ordinate structural project work.
- Experience and knowledge of structural design of supports for cladding systems, including stone, is an asset.
- Solid communication skills including written and verbal.
- Contributing team member of the PICCO Environment and Culture

