



JOB DESCRIPTION

Structural Engineer

Core One Consulting Ltd. provides design and engineering solutions for wireless telecommunication infrastructures. By investing in our employees, Core One pursues a growth mindset. Employees are encouraged to chart their career path and are given the tools and resources to succeed.

Core One is seeking a Structural Engineer to be responsible for the design and structural analysis of new or existing sites (towers, buildings, foundations, rooftops, etc...) and aid in the management of site design projects. The chosen candidate will exemplify a “can do” attitude, be a self-starter who enjoys solving problems and taking on challenges. You are motivated to perform the below set of responsibilities and have the requirements to succeed.

Responsibilities

To perform this role successfully, the Structural Engineer will be responsible for but not limited to the following:

- Designs new telecom installations or modifications to existing structures and related infrastructure. These structures can include monopoles, lattice towers, guyed towers, inbuilding systems, rooftop systems, or wall mounted systems.
- Provide analysis for existing towers and building structures for applied external loads. Determine internal forces, stresses, and capacities in order to make judgements regarding integrity of structures. Convey results and reports to team members and clients.
- Provide comprehensive design calculations and reports. Verbal and written communication of engineered decisions to multiple stakeholders is necessary.
- Responsible for various projects’ design and implementation
- Review drawings to ensure that engineered decisions are properly depicted.
- Prioritize workflow, and maintain client schedules
- Visit sites, perform field investigations and provide information to clients
- Determine the cause of overstresses in tower members and plan for practical cost effective reinforcement/modification systems
- Specify reinforcement systems and components to address tower overstresses and customer requirements and produce well documented calculations
- Produce tower and foundation reinforcement/modification conceptual sketches for the Structural Detailer to develop into design, fabrication, and erection drawings (CAD)
- Review and approve Auto CAD drawings for tower and foundation reinforcement/modifications designs
- Actively participate in professional associations and societies

Requirements

- Strong organizational skills
- Problem solving ability and strong analytical skills
- Ability to prioritize and maintain schedules
- Very strong written and verbal communication skills



- Knowledge of bolted and welded connection design
- Experience or knowledge of steel shop fabrication processes and/or knowledge of fabrication shop tools and capabilities
- Experience or knowledge in tower/reinforcement erection and/or knowledge of tower construction equipment and practices
- Valid driver's license required
- Ability to travel when needed required
- Detail oriented and self-motivated

Education/Experience

- Bachelor's Degree in Civil/Structural Engineering,
- Master's Degree in Civil/Structural Engineering will be considered an asset
- Minimum 4 years' experience designing telecom structures
- P.Eng. designation in BC is required, with an immediate reciprocal registration process for additional provinces
- Proficiency in building codes and standards is required; telecommunications industry experience is required
- Experience with TS Tower, AutoCAD, TNX Tower and RISA 3d will be considered an asset.

Application procedure:

Please submit your resume by email to resumes@coreoneconsultants.com

Please note that Core One Consulting DOES NOT accept unsolicited resumes from recruiting agencies and/or head hunting firms and we will not be responsible for any fees associated with hires from such resumes unless there is a written signed agreement with our corporate office.