



NEW JOB OPENING
STRUCTURAL/BUILDING SCIENCE ENGINEER, EIT
Victoria, BC

We are inviting applications to join our class leading engineering firm in the position of **Structural/Building Science Engineer, EIT**. Projects are a diverse mix of structural design and field work with a focus on building with new construction technologies. Committed to enabling team members to reach their career aspirations and beyond, we promise a positive culture of partnering, intrigue, mentorship, and respect.

Job Description

- Coordination of laboratory testing programs, witnessing of tests, and analysis of test data for pre-engineered design of construction details for industry use in future building project designs.
- Research, preparation, and publishing of code evaluation compliance reports and engineering design technical guides for building products.
- Performance evaluation of the strength attachment for seismic and wind pressure restraint of building components such as claddings, guard rails, mechanical and electrical equipment.
- Structural design of residential and small commercial buildings for new construction, renovations and additions.
- Field investigations at building sites to assess structural failures and determine design solutions for remediation, often related to insurance claims.
- Structural design of special (non-building) structures (e.g bridges, towers, government/military infrastructure), often includes monitoring, testing, and follow-up evaluation and certifications.
- Working under the direction of senior engineers on tasks relating to those technical items.
- Specialized training to strengthen skillset, such as structural design and drafting courses through colleges or industry associations.
- Focus is made on developing “hands-on” engineering skills. Primary duties are:
 - Preparing and updating code evaluation compliance reports based on research of governing codes and standards.
 - Coordinating and witnessing laboratory testing programs with occasional travel to test labs across Canada and US.
 - Preparing structural drawings in CAD software and by hand drafting.
 - Performing field reviews at construction sites of design projects while under construction to verify accuracy to design specifications.
 - Structural calculations evaluating strength and deflection of components such as beams, columns, connections, shear walls, diaphragms, foundations.
 - Writing reports of field inspections results.
 - Quality Control activities such as writing work procedures, checklists, documentation and file organization, project list and schedule updates.



Qualifications

- Bachelor of Engineering degree (Masters encouraged) from an accredited University in Civil-Structural discipline.
- Registered, or eligible to register, as an engineer-in-training (EIT) with Engineers and Geoscientists BC. The successful candidate will be directly supervised by a professional engineer (P.Eng.) registered in BC.
- 1 – 3 years of professional (or co-op) experience in a consulting environment working with Canadian and USA building codes and materials design standards.
- Hands-on work experience in a construction-related setting with structural materials and tools (e.g. labour and trades work, landscaping, fabrication shop).
- Trained and experienced using AutoCAD, Bluebeam, MS Word, MS Excel software.
- Valid B.C. driver's license and personal vehicle available for business use.
- Commitment to client service, technical excellence, teamwork, and career-personal growth.

Company Overview

BOCA Engineering Co. SPAR is a structural engineering company headquartered in Victoria, BC, serving the Vancouver-Island based construction industry and consulting on building with new innovation construction methods across Canada and USA. BOCA-SPAR provides services that include structural building designs for new construction and renovation, product code evaluations, laboratory testing programs, remediation assessments/solutions, and specialty (non-building) structure designs.

Culture, Career, Compensation and Benefits

Career advancement will be supported in the directions of Structural Engineering Design, Building with New Construction Technologies, Construction Management, Business Development, Business Management, and any combination there-of. We believe in developing leaders from the ground up, starting with hands-on technical operations, leading to project and client management, and then guided growth to the aspired seniority level. Staff are able to rotate through several roles in their interest areas, keeping work fresh and exciting while expanding skills and knowledge.

BOCA Engineering Co. SPAR is locally owned and operated, progressive and looking to add team members seeking a challenging and energetic workplace. A competitive pay structure and benefits package will be offered commensurate with experience.

Applying

Please send an email application with title of "STRUCTURAL/BUILDING SCIENCE ENGINEER, EIT – FIRST NAME LAST NAME" along with resume and job-specific cover letter to: info@bocaengineering.com.

Posted: October 31, 2022

Closes: Accepting applications to December 15, 2022.

Ongoing review of applications and contacting of candidates.

To learn more about our company, visit www.bocaengineering.com.