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## NEW JOB OPENING

### STRUCTURAL/BUILDING SCIENCE ENGINEER

#### Victoria, BC

We are inviting applications to join our class leading engineering firm in the position of **Structural/Building Science Engineer**. Projects are a diverse mix of evaluation, 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.

As a Structural/Building Science Engineer you will be working with our construction industry clients, helping to bring new innovation structural products to the construction market in a full cycle consulting process that begins with research and testing, preparing engineered technical design guides, obtaining regulatory approvals, to eventual building project designs and construction. Technical focus is primarily on structural aspects of buildings with some cross-over in to building science and fire protection.

### Job Description

- Design and evaluation of building products such as exterior components and cladding, foundation, framing, with wood, concrete, steel and composite materials.
- Researching code requirements and preparing evaluation plans.
- Coordination of laboratory testing programs, witnessing of tests.
- Analysis of test data, pre-engineered design of construction details, component performance modeling for use in future building project designs.
- Publishing code evaluation compliance reports and engineering design technical guides.
- Quality Control activities such as writing work procedures, checklists, file organization, project lists, scheduling, renewals of evaluation reports and certifications.
- Developing close relationships with long-term clients in a key consultant role.
- Structural components design for buildings: concepts, calculations, drawings, site reviews.
- Field investigations to assess structural failures and solution plans for remediation.
- Continual learning in specialized areas of structural and building science codes and standards, through participation in industry associations and courses.
- Occasional travel to sites across Canada and US, primarily for fabrication and test witnessing.

### Qualifications

- Bachelor of Engineering degree (Masters encouraged) from an accredited University in Civil-Structural discipline. Another degree discipline such as Mechanical with demonstrated focus in Structural and Building Sciences academia may also be considered.
- 2-5 years of professional experience with working knowledge of 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).



- EIT registration in BC, and within first year of employment registering as an EIT in Washington inclusive of learning USA codes and standards and passing the NCEES EIT exam.
- Software experience using AUTO CAD, MS Word, MS Excel, Adobe Pro.
- Exceptional report formatting and persuasive writing style.
- Valid B.C. driver's license and personal vehicle available for business use.

## 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, along with resume and job-specific cover letter to: [info@bocaengineering.com](mailto:info@bocaengineering.com)

**Posted:** Jan 25, 2022

**Closes:** Accepting applications to Mar 15, 2022

To learn more about our company, visit [www.bocaengineering.com](http://www.bocaengineering.com) and [www.sparbc.ca](http://www.sparbc.ca).