



STRUCTURAL/BUILDING SCIENCE ENGINEER

VICTORIA, BC

BOCA Engineering Co./SPAR (BOCA) is a leading Structural and Civil engineering consulting firm based in beautiful Victoria, BC that specializes in providing innovative engineering solutions for a wide range of projects that involve a diverse mix of design and fieldwork with a focus on building with new construction technologies.

Are you a motivated and ambitious Engineer with a passion for structural engineering and building science? We are seeking to find an entry to intermediate level top candidate and we're prepared to tailor this role to align with your expertise and career aspirations. At BOCA, we're invested in your growth and want your influence to our evolution.

Sample of Responsibilities:

As a Structural/Building Science Engineer at BOCA, you will be supporting our work with construction industry clients, helping to bring new innovation structural products to 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 crossover into building science and fire protection. Your engagement in the facets of our service streams will be shaped by your type and level of experience:

- **Evaluation Services:** Orchestrating laboratory testing programs, overseeing tests, and analyzing test data to prepare pre-engineered construction details for future projects.
Conducting in-depth research, generating code compliance reports, and crafting engineering design technical guides for building products.
- **Buildings:** Evaluating the strength and attachment performance for seismic and wind pressure restraint of various building components.
Structural design of residential and small commercial buildings for new construction, renovations, and additions.
- **Conditions:** Performing field investigations at building sites to assess structural failures and devise design solutions for remediation, often in connection with insurance claims.
- **Special Structures:** Engaging in the structural design of unique non-building structures such as bridges, towers, and government/military infrastructure, which may involve monitoring, testing, and subsequent evaluation certifications.

Qualifications:

- Bachelor's degree (Masters encouraged) in Structural/Civil Engineering from an accredited institution.
- 2-5 years of relevant EIT experience and a strong trajectory towards becoming a P.Eng.
- Registered with Engineers and Geoscientists of British Columbia (EGBC).
- Relevant engineering experience in a consulting environment working with Canadian and USA building codes and materials design standards.



- Strong understanding of structural engineering principles and building science.
- Hands on work experience in a construction-related setting with structural materials and tools (e.g., labor and trades work, landscaping, fabrication shop).
- Trained and experienced using AutoCAD, Bluebeam, MS Word, and MS Excel software.
- Exceptional report formatting and persuasive writing style.
- Proficiency in structural analysis software and design tools.
- Ability to work effectively in a team and independently.
- Excellent communication and interpersonal skills.
- Strong problem-solving skills and attention to detail.
- Dedicated to professional growth and continuing education.
- Valid BC driver's license and personal vehicle available for business use.
- Commitment to client service, technical excellence, teamwork and career personal growth.

Why Join BOCA:

- Customized role to align with your experience and career goals. We are committed to the professional development of our team members.
- You will have access to mentorship from experienced engineers and opportunities to work on diverse and challenging projects.
- Strong potential for career advancement opportunities.
- We provide a platform for you to expand your skillset and progress towards obtaining professional licensure and other certifications.
- Chance to contribute to the development of groundbreaking building products.
- Exciting and challenging projects that will accelerate your career development.
- A supportive and inclusive work culture that values your contributions.
- Access to ongoing training and professional development opportunities.
- A chance to make a meaningful impact on the built environment and shape the future of our communities.

If you're prepared to advance your career and want to become an integral part of a team that is reshaping the landscape of structural engineering and building science, don't hesitate to apply. Join us at BOCA in crafting enduring structures that withstand the test of time.

How to Apply:

Beadell Consulting is representing BOCA in the search for a Structural/Building Science Engineer, therefore, please submit your resume and cover letter to Sheenagh Beadell at Beadell Consulting, sbeadell@telus.net. If you include examples of relevant projects or work experience that showcase your capabilities that will give us a much better idea of who you are. Or if you would like to learn more about the complete job description before applying, please email to schedule a time to chat.

To learn more about BOCA, visit www.bocaengineering.com