

## Junior Structural Engineer, Buildings



Are you a Junior Structural Engineer interested in helping to creatively solve the problems that our clients pose? Does a variety of work such as sustainable builds, heritage sites and heavy timber excite you? How about living in one of the most beautiful parts of the country and a great work/life integration? If any of this enticed you, we want to hear from you!

### A Little About Us

**We are engineers, technologists, planners, landscape architects, scientists, and their support teams** that work together to deliver infrastructure, minimizing environmental impact and maximizing benefit to the community. We work hard and play hard because that is what #ISLLIFE is all about! Check us out on Instagram, Twitter and LinkedIn.

**ISL's Building's Team** works to deliver excellence for our clients, both internal and external. Committed to finding, mentoring, and growing the right individual, our team approach is integral to our success:

- **Flexible** – we are a results-oriented team. As a high functioning, remotely enabled group, we are not your typical 9-5; we allow for flexibility in how and where work gets done.
- **Interesting work** – Although we specialize in heavy timber, we have a variety of projects including heritage buildings in national historic sites, high performing and sustainable buildings, and recreation structures (pedestrian bridges, sky walks, and playgrounds)
- **Entrepreneurial** – we are a group of passionate individuals who work independently and as part of a team. We take initiative, run with ideas, and collectively share in project success.
- **Location** – some of the most breath-taking scenery and active lifestyle that the Yukon has to offer.

### A Little About You

**Your cover letter must demonstrate:**

- Experience with or interest in developing skills in heavy and mass timber design
- Your approach to creative problem solving and decision making



### Your resume should show us:

- Registration as a P.Eng. or E.I.T. (or eligibility to become registered as a P.Eng. or E.I.T.)
- Familiarity with structural analysis software (e.g., Risa, RFEM, WoodWorks Sizer)
- Knowledge and application of structural theory, the National Building Code of Canada (NBC 2015), and Canadian Design Standards (O86, S16, A23.3)
- Working knowledge of Bluebeam, Microsoft Word, and Excel

### Bonus points for:

- Working knowledge of cold climate design considerations, and seismic design
- Experience with 3D modeling software such as Revit or CADwork
- Experience with prefabrication of mass timber or light-frame structures, preparation of shop drawings for suppliers, or hands-on experience in construction
- Experience working as prime consultant as well as a subconsultant working with architects and contractors

## A Little More About the Role

### Responsibilities:

Your projects will primarily be located in the Yukon, but you will have the opportunity to work on multidisciplinary projects across all of the ISL offices.

- Prepare detailed structural engineering designs from concept, through tender to construction for a wide variety of projects including commercial, recreational, municipal, industrial, and residential buildings, in various structural materials (mass timber, light-frame wood, concrete, and steel).
- Assemble and review structural deliverables in collaboration with other team members
- Review and coordinate deliverables with other project team members including architectural, civil, landscape, process, mechanical, electrical, contractors and suppliers as each project requires
- Participate in project meetings
- Complete assessments and prepare reports for various buildings and structures
- Support construction administration objectives and perform field reviews, including travel to remote locations
- Observe and maintain quality assurance practices and documentation standards on all projects
- Actively participate in continuous improvement initiatives
- Be a lifelong learner, stay current on industry trends and emerging technologies
- Collaborate with, advise, and assist team members in other groups and offices
- Other related duties as assigned
- Creating and/or leveraging custom spreadsheets

Apply online! <https://islengineering.com/about/join-the-team/>.