

# Structural Engineer, Buildings

**Employer Name:** Stantec

**Location:** Whitehorse

**Closing date:** N/A

**Web Link:** <https://stantec.jobs/whitehorse-yt/structural-engineer-buildings/865AB090638C4198888C7CCE2A24005A/job/>

## Description - External

The buildings that make up the landscape of our daily lives seem like permanent fixtures, fastened to a time and place. But what if that didn't have to be true? What if our built environment — where we live, learn, play, and conduct business — carried us forward instead?

Our Buildings practice keeps people at its heart, recognizing that our shared journey forward is shaped by the meaningful and responsive places we design. From iconic designs to monumental groundbreakings, join us to bring transformational building solutions to life. Every day we apply our expertise, creativity, and passion to propel communities into the future—join us!

## Your Opportunity

The [Stantec Yukon office](#) has a vibrant and dynamic environment with unparalleled opportunities for professional growth. Our multidisciplinary northern office is looking for an energetic Structural Engineer to round out our growing practice in Northern Canada.

The Whitehorse office has a vibrant and dynamic environment with excellent opportunities for professional growth. We are a multidiscipline team working across the North in multiple sectors for a variety of clients. Our projects vary in size ranging from small commercial developments to light industrial, government, community and private sector facilities.

Whitehorse is the capital of the Yukon and is a remarkably cosmopolitan city of roughly 30,000, filled with well-educated families and professionals. It is the commercial hub for projects and communities across the Yukon and the wilderness is just steps from our downtown office. In Whitehorse northern traditions mix with the everyday lifestyles of modern Canadians from all cultures and backgrounds. The result is a unique sense of place that both welcomes newcomers and embraces new ideas.

Up here work-life balance truly exists. Whether you're interested in an adventure filled with fishing, skiing, hiking and snowmobiling, or just looking to live in a beautiful, small urban centre, Whitehorse could be the place for you. Build your career AND enjoy your life!

## Your Key Responsibilities

- Responsible for projects of medium complexity/size
- Evaluates, selects, specifies, and engineers all structural engineered systems or products for a project
- Engages in the development of a design through sketches, electronic models, diagrams, and other visual formats

- Utilizes BIM technologies in development of three-dimensional models of building's structural systems and provides markups for junior engineers/designers
- Prepares and revises documentation in various structural phases including site plans, floor plans, diagrams, and details
- Leads project coordination meetings with internal team members and/or external consultants, owner and contractor, sub-contractors, and vendors
- Participates in client project requirement meetings and value analysis and basic cost estimating
- Assists upper-level staff with developing and managing the project scope, budget, staffing and schedule
- Leads the preparation and coordination of the project specifications with construction documents
- Performs and oversees the performance of calculations using company standard software, and proprietary manufacturer software
- Utilizes advanced techniques for the analysis of specialized building elements for wood framed and steel building. Knowledge of northern foundation types such as ad-freeze and rock socketed piles, thermosyphons, and thermopiles would be an asset
- Participates in constructability review
- Conducts quality assurance and quality control on own projects
- Assists in the development of new standards and specifications for the structural group
- Works on multiple projects
- Develops business with new clients

**Qualifications - External**  
**Your Capabilities and Credentials**

- Requisite knowledge and application of structural design codes, standards, and applicable building codes
- General understanding of all phases of project document production and the relationship between drawings and specifications
- Strong knowledge of structural systems, means and methods, materials, and industry standards
- Ability to check the work of others for accuracy and completeness and manage time to meet project budget and schedule
- Ability to participate and collaborate in project team setting and to engage in creative and critical thought
- Thorough understanding of structural engineering concepts and ability to effectively communicate ideas to others
- Advanced oral and written communication skills

- Presentation and interview skills are preferred
- Requires understanding of Microsoft Office Suite, Revit; Prefer experience with AutoCAD, Newforma, Component Design Software, Comprehensive Building Analysis Software, and Structure Finite Element Analysis such as RAM concept, Risa 3D, and SAFE
- Valid driver's license

### **Education and Experience**

Bachelor's degree or equivalent in Civil or Structural Engineering & Licensed Professional Engineer eligible for registration with the Engineers Yukon and Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists (NAPEG). Minimum of 8 years of experience.

Typical office environment working with computers and sitting at a desk. Field work may include exposure to the elements including inclement weather.

*This description is not a comprehensive listing of activities, duties or responsibilities that may be required of the employee and other duties, responsibilities and activities may be assigned or may be changed at any time with or without notice.*

Stantec is a place where the best and brightest come to build on each other's talents, do exciting work, and make an impact on the world around us. Join us and redefine your personal best.