



Job Posting: Senior Structural Engineer

About PICCO Structures

PICCO Structures is a specialist structural engineering consultancy focused on technically demanding and signature projects where conventional solutions are not enough. We work alongside architects, contractors, developers and public agencies on complex buildings, temporary works and construction engineering throughout North America and internationally. Our work spans some of the world's most technically challenging structures, combining engineering ingenuity with the practical application of leading technology.

We bring deep experience across diverse industry sectors and construction types, combining local knowledge with international best practices to deliver innovative, functional solutions. A culture of continuous learning keeps our team at the forefront of advances in structural engineering.

What You'll Work On

Our portfolio includes complex temporary works for major transit infrastructure, high-rise buildings, heritage structures, custom residences, and architecturally significant projects requiring advanced structural analysis and innovative design.

- **Temporary works and construction engineering** – temporary bracing and independent support systems for historic façade retention, traffic decks over open excavations, equipment and access platforms, staged construction sequences developed directly with contractors and trades, and specialized shoring and excavation support for constrained urban sites.
- **Mid- and high-rise buildings** – new construction, renovations, adaptive re-use and overbuild projects across the institutional, cultural, commercial, hospitality and residential sectors, using reinforced concrete, structural steel and mass timber.
- **High-end custom homes** – bespoke new residences, major renovations and additions, working directly with homeowners, architects and builders to deliver architecturally ambitious homes across a broad range of project scales.

What You'll Do

- Own the technical solutions on complex projects, from concept through detailed design and construction.
 - Perform and direct advanced structural analysis, including nonlinear and second-order finite element analysis (FEA), dynamics and vibration, staged construction, and temporary works engineering.
 - Lead and mentor project teams, including junior and intermediate engineers and CAD/BIM technologists, in the delivery of structural design packages.
 - Stay hands-on throughout project delivery, including preparing calculations and specifications, directing and reviewing drawings, and resolving technical issues during construction.
 - Coordinate and collaborate with clients, architects, consultants and contractors throughout design and construction, serving as a primary technical point of contact.
 - Seal and take professional responsibility for your projects as Engineer of Record in accordance with Professional Engineers Ontario (PEO) requirements.
 - Attend site for general review and contract administration, providing first-hand assessment of structural work as constructed.
 - Participate in business development by preparing proposals, developing client relationships and identifying opportunities for repeat and follow-on work.
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What You Bring

- 10+ years of structural design experience.
- University Degree in Civil/Structural Engineering from a recognized University.
- Professional Engineers of Ontario registration.
- Advanced proficiency with CSI software (SAP2000, ETABS, SAFE).
- Consulting and project management experience, including direct technical dealings with clients.
- Excellent written and verbal communication.

Considered an Asset

- Temporary works and construction engineering design experience.
- Seismic assessment and retrofit experience.
- Post-tensioned and prestressed concrete.
- Post-graduate degree in structural engineering.
- Additional provincial or international registrations.
- Experience with post-tensioned and prestressed concrete, heavy timber, structural steel connections, FRP composites and stone design.
- Proficiency with industry-standard software such as spSlab, spColumn, S-Frame and Bluebeam.
- Experience working in a coordinated BIM environment (Revit).

What We Offer

- Technical work that is genuinely challenging.
- Compensation of \$115,000 to \$150,000, plus bonus potential, retirement savings, and comprehensive employment benefits.
- Support for professional development including PEO fees, courses, and conferences.
- Hybrid working, with 4 days per week in Concord office and convenient access from Highway 400 and 407.
- Genuine opportunity to move into leadership as the practice grows.

How to Apply

Send your resume to hr@piccogroup.com. A cover letter is welcome but not required — if you'd prefer, tell us in a few sentences about a project where your technical solution shaped the outcome.

We will provide status updates to every applicant we interview within 14 days.

To learn more about PICCO Structures, visit www.piccostructures.com.

Disclosures

This posting is for a currently vacant position. We do not use artificial intelligence to screen, assess or select applicants for this position.