

Associate – Building Enclosures and Building Sciences

ARCHITECTURAL ENGINEERING CONSULTING; FULL-TIME; TORONTO, ON

ABOUT FEC

Falcon Edge Consulting, Corp. (FECC) is an engineering consulting firm that merges technical and theoretical engineering knowledge with extensive hands-on construction experience. Our mission is to provide practical and effective solutions tailored to meet our clients' needs throughout both the design and construction phases.

Established in 2024, FECC was founded with a commitment to enhancing client support and project team collaboration. Led by Geoff Maltese (P.E., P.Eng.), who brings over 15 years as a consultant and 20 years of construction industry experience, FECC offers a unique perspective on problem-solving and coordination to deliver the best possible results. We prioritize proactive engagement and emphasize close coordination between design and construction teams, as well as on-site subcontractors to ensure smooth construction processes, aiming to minimize change orders and prevent delays.

JOB SUMMARY

FECC is seeking exceptional candidates for a long-term career in our employee-owned company. We provide building enclosure consulting services, including design, building science, peer reviews, construction administration, site observations, field and laboratory testing, and rehabilitation. We are also expanding to offer Mechanical Commissioning, Sustainability, Thermal Modeling, and Energy Modeling.

As an Associate, you will work on building enclosure projects, reporting to the Project Manager or Principal-In-Charge. The position requires working with moderate oversight on project-related tasks involving techniques and procedures related to investigation, testing, design, administration, and observations. Responsibilities will also include assisting other employees with client deliverables, mock-up construction, field testing, and laboratory testing. This role requires technical knowledge, a strong understanding of construction, and the ability to communicate findings and recommendations to clients effectively. We seek individuals who think creatively, develop effective solutions, and stay at the forefront of technology.

During your initial months at FECC, you will receive mentorship and training. Post-training, you will work independently on tasks related to investigation, testing, design, administration, and observations. Client relationships are crucial at FECC; all employees must work directly with clients.

TYPICAL DUTIES & RESPONSIBILITIES

- Work with technicians, draftsmen, and assist other project team members.
- Work on routine project tasks independently.
- Prepare drawings and 3D models using AutoCAD and Revit.
- Develop letters, reports, drawings, specifications, and proposals with guidance.
- Investigate leakage in roofing, waterproofing, windows, and other enclosure systems.
- Conduct field investigations and on-site construction monitoring.
- Participate in on-site construction meetings with clients and contractors.
- Present to client groups and professional organizations.
- Engage in professional events and activities to build industry contacts.
- Learn project management skills to assist project manager in engineering, budgeting, scheduling, and client communication and grow within FECC.

QUALIFICATIONS

While not all listed qualifications are mandatory, they will be required to maintain a position with FECC. FECC provides training, mentoring, and support as needed. FECC will assist you in obtaining necessary licenses and/or certifications.

SKILLS & COMPETENCIES

- Ownership and attention to detail. While it is incredibly important to hit all deadlines, FECC prides itself on quality work product above all else.
- Initiative and innovation.
- Enthusiasm for construction and engineering problem-solving.
- Team collaboration and independent work.
- Professional verbal and writing skills.
- Time management.
- Networking and public presentation skills.
- Ability to read architectural drawings.
- Physical ability to climb ladders, scaffolds, and work on swing-stages at great heights.
- Ability to carry laboratory and field equipment (up to 50 lbs). Access to a vehicle and a valid driver's license with an acceptable Motor Vehicle Report, to allow travel to/from project sites and client offices.
- Beneficial experience in any of the following areas: drafting (AutoCAD), 3D building modeling and design (Revit/Rhino), Building Science modeling and calculations (WUFI, THERM, and similar), construction, rappelling, and rope access.

EDUCATION & EXPERIENCE

- BS, BEng, or BASc in Architectural Engineering, Civil Engineering, or similar.
- MS, MAsC, Meng, or above (optional).
- 0-5 years of experience in Building Enclosures, Construction, Architecture, or Engineering.

LICENSES & CERTIFICATIONS

- Working toward Peng or OAA, or other relevant certification such as LEED AP, RRO, RRC, RWO, RWC, REWC, RBEC, BSS, or similar (optional)

FECC WORK ENVIRONMENT AND BENEFITS

FECC is a small company that understands that individuals must feel comfortable in their workplace and enjoy coming to work. We not only care about our employees and making them great professionals through training and development, we highly value life outside of work and are there to support our employees as much as we can. Without that mindset, we cannot develop and keep the extraordinary talent needed to continue to meet our clients' needs and expectations. We also offer a very generous benefits package for all employees as part of their compensation package.

- Extended Health, Vision, and Dental Insurance.
- Annual Bonus and Profit Sharing.
- Flexible working hours and ability to work remotely.
- Ownership opportunities.