

Electrical Designer

St. John's, NL

Who are we?

The Cahill Group is one of the largest multi-disciplinary construction companies in Canada. Cahill is building the future of oil and gas, mining, hydro, and social infrastructure on some of the largest construction and fabrication project sites in the country.

People really are at the heart of everything we do. So, we will always put the health, well-being, and safety of our people above all. We take care of our people, through investment, training, competitive compensation, health plan benefits, and unique programs to support the health and well-being of you and your family. Cahill is currently recruiting an **Electrical Designer**.

What will you do?

- Actively participate as a member of a multi-disciplinary team and will provide input and feedback on the design of electrical systems including, but not limited to the sizing of conductors, selection/specification of distribution equipment, identifying circuit routing, voltage drop, derating conductors, and conduit fill
- Certify design compliance with project specifications and agreements
- Ensure the application of required codes, standards, and client design and implementation criteria
- Provide value engineering from the perspective of improving safety, quality, productivity & financial outcome
- Prepare design drawings using CAD software, following relevant project and code requirements
- Review design documents for constructability, interference, and efficiency
- Review equipment data sheets and shop drawings to ensure compliance and inclusion in the final design and Building Information Model
- Review and verify drawings developed by other drafting personnel as required to meet project schedules
- Address technical design inquiries in the field for various projects and maintain working relationships with the client and other subcontractors
- Assist in the development and utilization of drawing standards and templates to maintain a level of consistency and quality control in all design documents
- Ensure the performance of other staff members is in compliance with project and company standards Participate in discussions with fabrication shops in identifying opportunities for prefabrication and modularization

- Develop bills of materials and assist with the preparation of material takeoffs, estimates, budgets, and schedules
- Maintain currency with best-in-class industry trends, products, and techniques to ensure Cahill projects are planned and executed as effectively as possible
- Support bid pursuit efforts by providing conceptual designs and takeoffs for estimating

What will you bring?

- Three to five years of related technical design experience, preferably in the design of power distribution systems and lighting systems.
- Minimum 2 years working in a commercial construction environment
- Bachelor of Engineering Degree or diploma in Engineering Technology, equivalent experience will also be considered such as Journeyperson status in an electrical trade
- Proficient with Microsoft Office
- Firm understanding of discipline-specific technical, national, provincial, and jurisdictional requirements and their application, in practice. Experience with CA C22.1, CSA Z32, CSA C282, CSA Z8000, & NFPA 92 would be considered an asset.
- An understanding of various design software with an aptitude to learn new technologies, and experience working with BIM Modeling software, Navisworks, & Revit is considered an asset.
- Excellent oral and written communication skills

If you are interested in joining our growing team, please apply in confidence. Cahill is an equal opportunity organization. While we thank all applicants for their interest, only those under consideration will be contacted