



ELECTRICAL DESIGNER

Plan Group is currently looking to grow our Engineering & CAD Services department with the addition of an **Electrical Designer**.

As an **Electrical Designer** you will work effectively in a project team to develop, maintain and support electrical construction drawing development for the entire large scale ICI construction project portfolio. This type of role requires a strong knowledge of all electrical systems from both the design and installation perspectives including: Power distribution, fire safety systems, access control and CCTV, structured cabling, etc.

To truly excel in this role you can demonstrate well-developed drafting skills and understanding of the uses of drawing levels, reference files, and various systems and tools. You are a team player with strong communication and technical skills and are able to identify critical technical obstacles and make reasonable decisions accordingly.

As an **Electrical Designer** you will be asked to do the following:

- Prepares detailed drawings, layouts and working plans as required based on verbal instructions, rough notes, engineering drawings and rough sketches to ensure the best installation outcome.
- Interacts and collaborates with the project team to develop drawings efficiently and accurately while maintaining any time and schedule constraints.
- Follows all ECS departmental procedures and standards for drawing development including document and quality control procedures.
- Enter all pertinent technical details using spread sheets or other databases as required and check and review schedules before they are submitted.
- Develop drawings showing the necessary details and assemblies of a wide variety of electrical and mechanical equipment with details such as dimensions, fastening methods, slab coordinates and other required information.
- Understand and comply with the project schedule to submit deliverables and implement changes and revisions as required.
- Communicate with the Project Team Leader to provide updates on deliverables status such as overall work load, project completion and resolve any project related issues.
- Navigate through and interpret structural, architectural, electrical and mechanical drawings for various occupancy types and spaces.
- Perform technical calculations including and not limited to voltage drop, conduit fill, etc.
- Develop installation drawings for a wide range of electrical systems such as power distribution systems and grounding, lighting and lighting control systems, fire alarm and security systems, building automation systems, structured cabling, alternative energy, slab and surface installations, riser drawings, duct banks, etc.
- Review design drawings and provide feedback to ensure requirements are met.



QUALIFICATIONS

- Must have successfully completed engineering technology studies or equivalent at an accredited Canadian educational institution or equivalent, or have post-secondary school training in the electrical construction field with at least 5 years of experience in electrical construction design.
- Advanced knowledge of AutoCAD, AutoCAD MEP, Revit MEP and Navisworks.
- Ability to develop and coordinate 3D construction models is a must.
- Must be a team player with strong technical and communication skills. Must be fluent in the English language.
- Strong organizational and time management skills with the ability to handle multiple projects within a fast paced environment.
- Strong attention to details is a must.
- Strong working knowledge of the latest Ontario and Canadian electrical codes, bulletins and Ontario Building Code (OBC), LEED construction, CAN/ULC and other pertinent standards.
- Strong understanding of electrical construction, installation methods, technologies, planning and management, commissioning process, drafting standards, etc.
- Strong knowledge of all electrical systems from both the design and installation perspectives including: Power distribution, fire safety systems, access control and CCTV, structured cabling, healthcare electrical systems, AV systems, building automation, motor control systems, etc.
- Must have a valid driver's license and be willing to work in a construction environment.

PLAN GROUP INC.

Plan Group Inc. (Plan Group) is Canada's most innovative technical services provider. For over half a century, Plan Group has merged integrated, multi trade knowledge, a commitment to excellence, and a belief in the power of creative thinking to improve the environments of those who live and work in the facilities Plan Group has contributed to. It is about more than hiding cables or snapping panels together. Plan Group asks smart questions, brainstorms original solutions and executes with tenacity, and is always aiming for nothing less than perfection. Though Plan Group has earned a strong reputation, each new project is viewed as an opportunity to do even better, each new challenge as the first step in a mutually valuable, long-term partnership. It is about more than creating buildings. It is about creating facilities that live and breathe which allow customers to do their best every day.

WE OFFER

- Competitive compensation and benefits
- Opportunities for growth and development
- An open and collaborative work environment
- And so much more....

Thank you for your interest in joining Plan Group. Please note that due to the volume of applicants only those who will be considered for an interview will be contacted.



Accommodations for applicants with disabilities will be made during the recruitment processes. Should you be contacted for an interview please advise if accommodations are required.

We are an equal opportunity employer