

**Employment Opportunity: CAD Designer (Electrical) with BIM Capability****Employment Type:** Full-time**Location:** Mosinee, WI 54455**Department:** Engineering / Electrical Design**Reports To:** Lead Electrical Engineer / Engineering Manager

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**About the Role**

We are seeking a highly skilled CAD Designer with an electrical focus to join our engineering team. The ideal candidate will have experience preparing detailed electrical drawings, interpreting engineering markups, and collaborating with cross-functional teams to support project delivery. You will play a key role in producing accurate technical documentation for electrical systems across commercial, industrial, or specialty projects.

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**Key Responsibilities**

- Create and modify 2D and 3D electrical drawings using CAD software (e.g., AutoCAD Electrical, SolidWorks Electrical, Revit, or similar).
- Prepare detailed wiring diagrams, schematics, panel layouts, cable routing plans, and equipment layouts.
- Interpret engineering sketches, redlines, and specifications to produce accurate technical documentation.
- Maintain drawing standards, layers, templates, and file organization according to company or client requirements.
- Coordinate with electrical engineers, project managers, mechanical designers, and field teams to ensure drawing accuracy and constructability.
- Support the development of BOMs (Bills of Materials) and update them based on design revisions.
- Participate in design reviews, contribute to workflow, and process improvements.
- Ensure compliance with industry codes and standards (NEC, IEC, UL, etc., as applicable).
- Manage work within deadlines and maintain revision control for all drawing updates.

## Qualifications

### Required

- Associate degree or technical diploma in Drafting, Electrical Technology, Engineering Technology, or related field (or equivalent experience).
- 2+ years of experience creating electrical CAD drawings in a professional environment.
- Proficiency with CAD tools such as:
  - AutoCAD / AutoCAD Electrical
  - SolidWorks Electrical
  - Revit (MEP)
  - Navisworks
- Knowledge of electrical systems, components, and design principles.
- Ability to interpret engineering notes, technical data, and construction documents.
- Excellent attention to detail and organizational skills.
- Strong communication and teamwork capabilities.

### Preferred

- Experience in industrial, manufacturing, power distribution, building systems, or automation environments.
- Familiarity with PLC panel design, control systems, or instrumentation drawings.
- Understanding of 3D modeling and BIM workflows.
- Knowledge of NEC, NFPA 70E, UL standards, or related codes.

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## Work Environment & Tools

- CAD workstation provided with relevant design tools
- Collaborative environment with engineers and project teams
- Opportunities for training and professional development

### **Why Join Us?**

- Competitive salary and benefits
- Career growth in a stable, engineering-focused organization
- Exposure to diverse and challenging electrical design projects
- Supportive team environment and ongoing technical development

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### **How to Apply**

Please submit your resume, portfolio or sample drawings (optional), and a brief cover letter outlining your relevant experience to:

[info@bscwi.us](mailto:info@bscwi.us)