

ELECTRICAL PROJECT ENGINEERS

Electrical Project Engineer

Millies Engineering Group is a growing MEP/FP engineering firm seeking a talented, motivated, and experienced full-time Electrical Engineer.

Duties:

- Interface with Architects, Owners, and Building Operators to coordinate project schedules, budgets, and engineering requirements.
- Perform preliminary field observations to assess the condition of existing systems, and document existing conditions for the development of new design work.
- Prepare preliminary construction budgets for the electrical and low voltage scopes of work.
- Analyze architectural, structural, civil, and engineering plans to determine system scope options and recommendations, and develop design criteria for mechanical, plumbing, and fire protection systems.
- Perform sizing and selection of Electrical equipment to support the overall design.
- Prepare project specifications.
- Review detailed engineering calculations supporting electrical, lighting, and low voltage system designs including electrical load calculations, generator sizing calculations, photometric calculations, arc flash and coordination studies, and similar in support of these systems.
- Organize project engineering data and maintain project records.
- Review engineering plans and specifications for engineering accuracy/thoroughness, company quality standards, conformance to scope of work and design criteria and for general coordination issues.
- Support construction administration activities by reviewing shop drawings, responding to RFI's, conducting regular site observation visits, preparing field reports, and attending construction meetings.
- Prepare engineering reports and basis of design descriptions.
- Maintain a program of continual education and professional development, including education for improvement of general engineering knowledge, education leading to Professional Engineering Licensure, education for sustainable organization certifications.

Requirements

- Bachelor's degree in Electrical Engineering
- 5+ years experience in electrical engineering for all types of projects (schools, hospitals, commercial office facilities, retail, multi-family, etc).
- Experience designing electrical systems (power, lighting, emergency, life safety, low voltage, etc.), performing cost estimates, reviewing equipment selections, and specification writing.
- Construction administration experience including review contractor shop drawings, preparing RFI responses, and site observations and punch lists.
- Excellent communication skills.
- Project management experience desirable.
- Ability to work individually or in a multi-discipline team
- AutoCAD proficiency preferred.
- Revit MEP experience is a plus.
- Professional Engineer (PE) license or EIT preferred.

Benefits

- Competitive compensation
- Health, dental and vision insurance
- 401(k) plan with company match
- Remote work opportunities available
- Company sponsored social events and team building activities
- Opportunities for advancement are available for motivated individuals

About Millies Engineering Group

Millies Engineering Group is an MEP/FP consulting engineering firm located in northwest Indiana, just on the Illinois/Indiana border, and less than an hour drive from downtown Chicago. The firm has served Architecture Firms and Facility Owners in the Midwest for the past 48 years, providing experienced, integrated, sustainable design solutions for the built environment.

Education, Healthcare and Municipal projects continue to be primary areas of expertise with significant additional experience in Commercial, Data Centers, Religious, Hospitality, Industrial and Recreational projects.

Engineering Services include MEP Design, LEED Design Services, Energy Modeling, Commissioning, Feasibility Studies, Facility Assessments, Life Safety Surveys, and Building Information Modeling (BIM) and Net Operating Income Improvements (NOII).

Please e-mail your resume to: Steven Millies at resume@milliesengineeringgroup.com.