



## ELECTRICAL DESIGNER (2+ Years Experience)

Sevee & Maher Engineers, Inc. (SME) has a full-time position for an **Electrical Designer** at our headquarters in **Cumberland, Maine**, or in our **Bath** or **Hampden, Maine**, offices.

### Position Summary

As an SME **Electrical Designer**, you will create and review engineering drawings, layouts, and schematics for high-voltage substations. Your strong background in drafting and development of drawings and working knowledge of electrical substation components, wiring, and protection schemes are critical in providing innovative solutions that align with SME's commitment to sustainability and technical excellence.

### Your Impact

In this role you will have the opportunity to engage in challenging assignments, contributing to the design and implementation of solutions for projects including utility infrastructure, renewable energy facilities, and critical data center applications.

As an SME **Electrical Designer**, you will:

- Develop physical layout drawings for high-voltage substations including equipment arrangements, grounding, buswork, conduit, and structures.
- Create protection and control (P&C) schematics, wiring diagrams, and panel layouts for substation automation and relay protection systems.
- Utilize AutoCAD and other CAD tools to produce high-quality electrical design documents.
- Collaborate with engineers and project teams to ensure designs meet client specifications and industry standards (IEEE, NEC, NESC, and ANSI).
- Prepare bill of materials (BOMs), construction specifications, and procurement documents for substation projects.
- Support field crews and construction teams by providing design clarifications and technical assistance.
- Perform quality control checks on drawings to ensure accuracy and compliance.
- Stay up to date with emerging substation technologies, relay protection systems, and industry best practices.

### Required Skills and Qualifications

- Associate degree in Electrical Technology, Electro-Mechanical Technology, or a related field;
- 2+ years of experience in electrical design with a focus on substation projects or industrial power projects;
- Proficiency in AutoCAD, MicroStation, and/or other CAD software for electrical design;
- Familiarity with NEC, NESC, IEEE, ANSI, and utility design standards;
- Strong attention to detail and ability to read and interpret engineering drawings, schematics, and specifications;
- Excellent problem-solving skills and ability to work in a team-oriented environment; and
- Effective verbal and written communication skills.

### Working at SME

Founded in 1985, SME is an accomplished team of 100+ experienced and talented professionals providing environmental, civil, structural, and electrical engineering consulting services to clients nationwide. From supporting the development of renewable energy projects to cleaning up environmental hazards, managing society's waste, and developing sustainable solutions, SME employees share a common goal of assisting clients to solve complex problems related to energy and the environment. SME combines strong technical expertise with innovative technologies to provide cutting-edge solutions to our clients' real-world challenges.

At the heart of SME is our friendly and down to earth culture. There is room to choose your own path and pursue your passions, and each person is recognized for their contribution to our collective success. SME supports and encourages professional development and active participation with professional associations. Joining SME means becoming part of a group of dedicated professionals who enjoy doing meaningful work together.

Along with a collaborative work environment, SME offers:

- Work-life balance
- Hybrid work schedule
- Professional development and growth opportunities
- Intraoffice groups including hiking, hockey, and running
- Community involvement such as volunteer days and an SME sponsored road race team, and
- Annual company appreciation event, fall golf outing, regular social events, and more.

### **Compensation and Benefits**

SME offers an excellent compensation and benefits package that includes:

- 100% company paid Medical, Life, and Long-term and Short-term Disability insurance
- Annual contributions to the enrolled employee's Health Savings Account (HSA)
- Paid vacation and sick time and 9 paid holidays per year
- Retirement plan comprising three components: a 401(k) plan with generous matching contribution; profit sharing; and a non-discretionary 3% of gross pay contribution, and
- Performance-based year-end bonuses.

### **Let's Connect!**

If this position sounds like a good fit for you, **please submit your resume and cover letter as a single PDF or Word document to: [smeresumes@sme-engineers.com](mailto:smeresumes@sme-engineers.com)**. No telephone calls, please. For more information about SME, visit [sme-engineers.com](http://sme-engineers.com).

*SME is an Equal Opportunity Employer committed to fairness in all our employment practices. All qualified applicants will receive consideration for employment without regard to sex, gender identity, sexual orientation, race, color, religion, national origin, disability, protected Veteran status, age, or any other characteristic protected by applicable law.*