



National Facility Solutions

Efficient Buildings. Better Lives.

ELECTRICAL DESIGN ENGINEER (PE)

National Facility Solutions is adding a position for a talented **full-time Electrical Engineer (PE)** to join our team. Are you determined to make a **smart career move**? Have you been searching for a company that will **value your contributions**? If so, please read on!

This remote **Electrical Engineer (EE PE)** position earns a **Minimum Salary of \$100,000+ per year**, with a **Top Salary** based on experience. This position requires a willingness and ability to travel to the field to perform site visits, inspections, and functional testing of commissioned systems.

We also offer **great benefits and perks**, including **flex vacation time** for full-time employees. If this sounds like the right opportunity for you, apply today!

ABOUT NATIONAL FACILITY SOLUTIONS

We are a fast-growing energy engineering firm that is continually expanding to bigger and better places. Our designers, engineers, energy auditors, and building commissioning agents comprise a diverse range of disciplines. Because of this expertise, we help guide our clients around sustainability, energy, engineering, and facility operations. We focus our knowledge and passion to provide predictive maintenance services that take a holistic view of facilities. This view allows us to utilize energy-efficient technologies to design solutions that drive optimal performance.

Our team of talented, passionate individuals use their unique expertise to contribute to our success and growth. We know that we would not be where we are today without our valued employees. To show our appreciation, we provide **competitive pay and benefits** as well as a **great work environment**.

A DAY IN THE LIFE OF AN ELECTRICAL ENGINEER (PE)

As an EE PE, you fill an essential role in our growing business by supporting commissioning and design work. You will be responsible to provide technical engineering information and assistance to company management to ensure compliance with the project requirements; engineering standards, applicable codes, and specifications. You are considered a lead design position overseeing several engineers and designers. As the EE PE, you provide leadership for projects and provide support to junior staff as well as field oversight of construction and electrical commissioning activities.

You prepare designs, check, and specify power, lighting and auxiliary systems and power system single line diagrams, to include feeder and over current protection sizing, equipment elevations. You conduct, or oversee, short circuit and over current protection device coordination studies, Arc Flash mitigation studies, and distribution analysis including voltage drop, voltage droop, and underground heat effect (Neher-McGrath) calculations.



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Coordinate your work with the project Specifications or equipment buy-out and visit job sites of remodel projects to field survey existing electrical conditions. The EE PE is responsible for quality assurance for the work of several team members under their supervision.

Utilizing engineering analysis programs and professional judgment you analyze loads, lighting levels, short circuit currents and attend project design team meetings. Your communication skills are used to interface with various team members, particularly the client, architect, and mechanical contractor/engineer.

With accuracy and attention to details, you communicate with operations in order to accomplish the expected deliverables and support, including developing requests for additional services; to provide preliminary information needed to develop a competitive bid; and to coordinate the design criteria for budgetary issues.

With your proven design skills, you supervise the design and on-going progress of a project, including the coordination of the project with city, state, and county officials, and other outside agencies.

As an integral part of the Electrical Commissioning Team, you will use your strong technical background, and strong knowledge of electrical systems including lighting, fire alarm, power distribution, for various institutional, medical, laboratory, commercial, public buildings such as healthcare, biotech, higher education, office, and large mixed-use residential buildings and hotels.

We highly value, create and maintain positive professional working relationships with clients, architects, engineers, and contractors. With accuracy and attention to detail, you proof document submissions to maintain consistency and professionalism. You take pride in the success of your team and your contributions to our growing firm!

QUALIFICATIONS FOR AN ELECTRICAL ENGINEER (PE)

- Bachelor's degree in electrical engineering and a Professional Engineer license are required
- Minimum of five years of work experience in consulting or A/E design
- Possession of an NCEES record to facilitate multiple state licensures is preferred, but not required
- Preference will be given to candidates who have completed or are actively pursuing relevant professional certifications including, Cx accreditation; LEED accreditation; OSHA 30 accreditation; or licensure in multiple states
- Project management experience, including the ability to develop and manage workplans, plan resources, schedules and budgets and provide leadership to a diverse project team is a strong recommendation

Do you have thorough understanding of EE PE work? Do you have ability to prepare and/or monitor complex construction and commissioning schedules to ensure timely completion of the work? Do you have strong troubleshooting and problem-solving aptitude? Are you



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interested in buildings, commissioning, energy management, sustainability and construction and desire to learn continuously and enhance technical and professional skills? Can you manage your time well and effectively prioritize tasks? Do you have a strong work ethic with a commitment to quality and meeting deadlines? Are you able to work independently with minimal supervision in a fast-paced entrepreneurial and highly collaborative team environment? If so, you might just be perfect for this EE PE position!

ADDITIONAL SKILLS AND PHYSICAL DEMANDS OF THIS POSITION

- Fluency with the Codes applied in the work
- Working knowledge of the energy efficiency requirements to include the Title 24 requirements, LEED Requirements and ANSI 90.1
- Code acumen and conflict resolutions are vital to this position
- Possess engineering management skills for resource allocation, work flow, work planning, fee estimating and independent QA/QC of their team's work
- Computer skills: Microsoft Office, including advanced skills with Excel and Word; and the ability to work efficiently and effectively with computer programs to compile well designed and organized documents.
- Lifting and Moving: 50 lbs. occasionally, 20 lbs. frequently
- Climbing/Balancing: Frequent work on step ladders, extension ladders, scaffolding and uneven surfaces
- Walking: Extensive walking frequently required throughout a regular or extended workday
- Stooping/Bending/Crawling: Frequent requirement and often necessary in confined spaces
- Standing/Sitting: Both can range from 0-100% each day
- Reaching: Frequent reaching overhead, horizontally and below feet
- Vision: Corrected vision to 20/20 required or adequate to perform all essential functions
- Color Vision: Required
- Driving Vehicles/Air Travel: Frequently required

READY TO JOIN OUR ELECTRICAL ENGINEERING TEAM?

We understand your time is valuable, so we have a very quick and easy application process. If you feel that you would be right for this remote job, please fill out our initial **3-minute, mobile-friendly application**. We look forward to meeting you!

Location: 55033