

JOB DESCRIPTION

Title:

Electrical Engineer, Commercial

Location:

Bend, Oregon

Purpose:

The Electrical Engineer is responsible for the electrical design and engineering of commercial and light industrial facility electrical systems including power distribution, lighting, and low voltage to develop exceptional solutions to technical problems.

Duties:

- Perform a variety of assignments in the design of electrical distribution systems for commercial and industrial facilities.
- Perform building lighting and load calculations.
- Prepare and develop designs, calculations, sketches, diagrams, schematic drawings, and final working drawings.
- Generate required documentation including, but not limited to, construction specifications to meet project requirements.
- Perform design, development, and quality control activities to ensure the project meets the customer needs and specifications.
- Provide engineering support to ensure that bidding, construction, installation, and operational testing conform to specifications and requirements.
- Assist in the project management process by providing initial scoping; walking jobs; communicating with customers regarding scope, schedule, and budget; and working with the supervisor regarding job specific staffing needs, etc.
- Evaluate and recommend equipment in order to assist in the selection of preferred options to meet our customers' needs.
- Provide support to sales/estimators to include specification reviews, assisting with writing bids, responding to RFP's, etc.
- Work with the Purchasing Department in order to become familiar with organization and/or customer preferred parts and supplies.
- Follow and support the company safety and quality control programs and procedures.
- Perform other tasks, projects, assignments or functions as required/requested.

Skills and Educational Requirements:

- B.S.E.E., from an accredited program.
- At least two years of practical, on-the-job electrical engineering experience, performing electrical engineer duties including development of concept design, preparation of construction documents, and construction inspections in the areas of utility (power & telecommunication); electrical service calculations; site, building exterior, and interior lighting; power distribution;

and low voltage systems (data, voice, intercom/paging, nurse call, security, fire alarm & detection).

- Ability to communicate in a clear, accurate and professional manner, both in written and verbal format, and to represent the organization in terms of project management and customer service.
- Valid driver's license, with good driving record.
- Experience or capable to learn the basics of CADD/BIM design, Electrical Lighting Calculation programs, and Excel.
- Ability to work in the US, familiarity with and desire to work in Central Oregon and the ability to pass a criminal background check if required.
- Excellent verbal communication skills and strong writing skills.
- Successful completion of PE exam, preferably in the Pacific Northwest with NCEES record, or registered as an engineer in training in the state of Oregon (has passed the FE exam).
- Consulting experience preferred but not required.

Characteristics Requirements:

- Must work well in a team environment
- Must demonstrate personal initiative, motivation, and strong problem solving skills
- Able to excel with minimum supervision
- Familiarity with the Pacific Northwest preferred
- Willingness travel as needed to support walk-through, installation, and startup and commissioning activities
- Friendly, professional demeanor

Environment:

The majority of the work is performed in a professional office setting, in Bend, Oregon and a portion is performed in the customer's commercial or industrial manufacturing facility.

While on the jobsite, there will be exposure to noise, chemicals, the elements, uneven surfaces and other hazardous situations.

Normal hours are 8:00am to 5:00pm, Monday through Friday. Additional time will be required during heavy workloads, emergency situations or to meet deadlines.

Some travel will be required.

Physical Demands:

Both jobsite and office work require the ability to communicate verbally, the ability to type, good manual dexterity and visual acuity.

Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.

Compensation:

Based on qualifications.

Benefits:

We offer health, dental, vision, disability & life insurance. We offer profit sharing and an employee funded 401k program.

The statements contained in this job description are not necessarily all inclusive; additional duties may be assigned and requirements may vary from time to time.

EEO/AA Employer of Minorities, Females, Protected Veterans and Qualified Individuals with Disabilities