

Electrical Designer II

February 6, 2018

The Electrical Designer II position is typically for experienced designers. The objective is to perform more diverse design functions utilizing knowledge and abilities than a Designer I in the application of design procedures, techniques, and criteria. This position is provided moderate design supervision, continuous improvement and training through co-design.

Responsibilities: Responsibilities include designing building electrical systems for commercial, retail, industrial, institutional, and food service industries. Assessment of existing or new project conditions is required and shall be capable of applying the information towards design. Communication with Clients and Project Managers for coordination of design criteria. Specific tasks are as follows:

- Create a moderately difficult riser or one-line diagram.
- Perform voltage drop calculations of moderate complexity including series voltage drop.
- Perform moderately difficult fault current calculations involving multiple points of calculations.
- Shows a good understanding of series vs. fully rated electrical systems.
- Perform basic photometric calculations using Lite-Pro or Visual software.
- Project profile includes prototype development, non-prototype or "rollout" projects.
 - Selecting electrical system type and size.
 - Drawing layout and organization.
 - Selecting and scheduling electrical devices and equipment.
- Communicate with landlord, utility and local jurisdiction personnel including coordination of new electric service.
- Along with the Project Manager and other members of the design team, communicates directly with owner or client regarding electrical design issues.
- Knowledgeable of energy codes including: IECC, ASHRAE 90.1, Title 24, Washington and Oregon energy codes.
- Knowledgeable of building codes and able to determine fire alarm requirements, etc. from code.
- Able to work independently with minimal supervision and mentor Designer I personnel through co-design.
- General knowledge of typical electrical equipment sizes.
- Participate in Premieres, project retrospectives and continuous improvement activities.

Education Requirements:

- This level requires equivalent experience.

Required Skills:

- Demonstrate moderate REVIT/AutoCAD and office computer proficiency.
- Good communication skills.
- A strong sense of commercial electrical systems and how mechanical, electrical and plumbing systems interact.

Location:

Kansas City, Missouri