

Senior Electrical Engineer

December 11, 2017

The Senior Electrical Engineer position is for a significantly experienced engineer. The position requires many years of design experience. The objective is to perform engineering/design functions utilizing knowledge and abilities in the application of engineering/design procedures, techniques, and criteria independently. Exercise of judgment is required on details of design and in making selections and adaptations of engineering alternatives. Limited supervision, continuous improvement and training is provided through co-design.

Responsibilities: Include designing building electrical systems for commercial, retail, industrial, institutional, healthcare and food service industries. Assessment of existing or new project conditions is required and shall be capable of multiple design solutions and applying the information towards design. Communication with Clients and Project Managers is required.

Specific tasks are as follows:

- Create a riser or one-line diagram of any electrical system of any complexity.
- Perform voltage drop calculations of any complexity including series voltage drop.
- Perform fault current calculations of any complexity.
- High level of understanding series vs. fully rated systems and when to apply.
- Perform moderately difficult photometric calculations using Lite-Pro or Visual software that would include obstructions, complex ceiling systems, etc.
- Project profile includes projects of any size or complexity. Heavy specification writing and modifying.
- Able to attend design meetings with owner or client independently.
- Ability to mentor personnel and work independently with no supervision other than co-design.
- Provide answers to schematic electrical design topics include service size estimates, electrical room requirements, general distribution layouts, etc.
- May require management of other engineers, designers and CAD technicians.
- Engineer's cost estimation capability.
- Participate in Premieres, project retrospectives and continuous improvement activities.

Education Requirements:

- This level requires a BSEE, BSArchE, advanced degree or equivalent experience.
- Must have a Professional Engineers License.

Required Skills:

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

Location:

Kansas City, Missouri