

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

Responsible for designing building electrical systems for multiple industries including commercial, retail, education, restaurant, and entertainment.

Specific tasks are as follows:

- Assessment of existing or new project conditions is required and shall be capable of applying the information towards design.
- Communication with design team members, Project Managers and clients for coordination of design criteria.
- Performs work which involves planning, investigating, and troubleshooting the design of the project.
- 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.

Position Requirements:

- Bachelor’s Degree in Engineering, Architecture or Construction Science or equivalent work experience.
- MEP design knowledge in commercial, retail, restaurant, education, and entertainment projects.
- REVIT/AutoCAD proficiency.
- Good communication skills.
- 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 moderate supervision and may play in a mentor role to other personnel through co-design.
- General knowledge of typical electrical equipment sizes.
- Participate in Premieres, project retrospectives and continuous improvement activities.