



Date: October 2023  
Job Title: Senior Electrical Designer  
Billing Classification: 106 – Designer III  
Reports To: Department Manager  
FLSA Status: Non-Exempt

**Summary:** Leads the technical design effort that may include three or more designers or drafters for the discipline specific scope of work on assigned projects.

**Essential Functions:**

1. Review customer source control drawings, specification control drawings and other applicable specifications to determine the requirements and/or feasibility of the design.
2. Review proposal scope of work for assigned projects and lead the discipline specific design tasks required to complete those tasks based on the direction of the Lead Designer or discipline Engineer/Specialist for larger, more complex projects
3. Detailed knowledge of the requirements and concepts of designing the industrial installation of electrical equipment, cabling and raceways systems as defined in the latest edition of the National Electric Code.
4. Perform and direct preliminary and advanced work in the development of single line diagrams, motor and equipment wiring diagrams, cable tray and conduit layouts, cable schedules, grounding drawings, lighting design, and maintaining a master drawing list for all required project deliverables.
5. Participate in engineering design and reviews as required.
6. Interact with vendors and customers on engineering design issues.
7. May lead smaller projects and have schedule responsibility for project deliverables as necessary
8. Mentor/supervise 3 or more designers and drafters.
9. Coordinate engineering design efforts with the other engineering department members to meet the requirements of the project.
10. Keep Lead Designer or Project Manager advised of work status, workload, problems, and progress as related to project assignments as appropriate.

**Education and Experience Requirements:**

- Associate's degree or completion of a technical trade school in CAD, drafting or related field and 15 years of experience or 20 years of related experience
- General computer proficiency
- Previous experience with AutoCAD required
- Previous experience working in a 3D CAD environment required
- Previous experience with AutoCAD MEP or CADWorx preferred
- Previous experience directing the daily activities of other designers preferred
- Previous experience working in the metals industry preferred



**Qualifications:**

- Ability to read and interpret documents such as customer reports, specifications and government standards
- Ability to write routine reports and correspondence
- Ability to speak effectively before groups of customers or employees of the organization
- Ability to lead and work in a team environment for project collaboration