



Date: October 2023
Job Title: Electrical Designer
Billing Classification: 105 – Designer II
Reports To: Department Manager
FLSA Status: Non-Exempt

Summary: Designs and drafts layouts and drawings in accordance with customer specifications, industry standards, existing designs and CSD standards. Able to utilize existing drawing, sketches, models, prototypes or verbal instruction for new and existing designs. Provide limited technical oversight of other members of their department.

Essential Functions:

1. Review customer source control drawings, specification control drawings and other applicable specifications to determine requirement and/or feasibility of the design.
2. Working 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.
3. Work with Lead Designers to develop/revise single line diagrams, motor and equipment wiring diagrams, cable tray and conduit layouts, cable schedules, grounding drawings and lighting drawings.
4. Participate in internal engineering and design reviews as required.
5. Backcheck drawing deliverables after they have gone through the checking and scrubbing processes prior to being formally issued to the client
6. May perform scrubbing and other drafting functions as needed.
7. Keep Department Manager and Lead Designer advised of work status, workload, problems, and progress as related to project assignments.

Education and Experience Requirements:

- Associate's degree or completion of a technical trade school in CAD, drafting or related field and 10 years of experience or 15 years of relevant 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 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 work in a team environment for project collaboration