

## **Electrical Designer**

**# of Positions:** 1

**Duration:** Full Time Non-Exempt

**Start Date:** Immediate

**JOB SUMMARY:** The Electrical Designer designs and develops layouts for electrical circuits or systems for power distribution. Assists in the production of detailed schematics.

### **ESSENTIAL FUNCTIONS:**

- ▶ Perform essential duties and responsibilities according to Hebel's Value Stream Map for Electrical Compliance which would include:
- ▶ Create electrical elementary drawings;
- ▶ Read and interpret customer specifications with guidance;
- ▶ Create conduit schematic drawings;
- ▶ Specify/ source electrical equipment;
- ▶ Support production throughout assembly processes
- ▶ Design cable tray system and produce BOM based on layout;
- ▶ Size and specify wire and conduit sizes according to code;
- ▶ Ensure compliance of applicable design codes (eg: NEC, CEC, IEC);
- ▶ Create panel layout drawings based on UL508 standards;
- ▶ May create elementary wiring diagrams and ladder logic diagrams;
- ▶ Possess some knowledge of instrumentation and their applications;
- ▶ Complete other related tasks as deemed necessary by the Engineering Manager;

### **ADDITIONAL RESPONSIBILITIES:**

- ▶ Performs other duties as assigned or requested.

### **SUPERVISORY RESPONSIBILITIES:**

- ▶ None

### **EDUCATION AND EXPERIENCE:**

- ▶ 2 year Degree in Electrical Technology or equivalent field experience

### **KNOWLEDGE, SKILLS AND ABILITIES:**

- ▶ AutoCad 2D or AutoCad electrical experience required
- ▶ Familiar with standard concepts, practices and procedures within a particular field;
- ▶ Relies on experience and judgment to plan and accomplish goals;
- ▶ Maintain a customer-focused perspective in all activities initiated to ensure that customer needs are successfully met;
- ▶ Develop professional and process expertise to provide improved assistance to internal and external customers;
- ▶ Intermediate to advanced reading and comprehension skills;
- ▶ Have good communication skills, both written and verbal;
- ▶ Intermediate to advanced proficiency level in Microsoft Word, Excel and Outlook; as well as Adobe Acrobat and Windows;
- ▶ Able to maintain effective working relationships with staff and those encountered in the course of work;

- ▶ Able to carry out detailed written or oral instructions;
- ▶ Able to understand proper handling of all paperwork required in department, including reporting of time;
- ▶ Able to manage a number of projects at one time with frequent interruptions;
- ▶ Able to function and concentrate in a busy, noisy environment;