

## **Industrial Electrical Maintenance**

### **BASIC PURPOSE OF POSITION:**

Maintains, services, repairs, rebuilds, and calibrates plant electrical equipment and systems. Works under the general direction and supervision of the Maintenance Supervisor or Engineering.

### **FUNCTIONS OF THE POSITION:**

Obtains work assignments and maintenance schedules from the Maintenance Supervisor, Engineering, Maintenance Manager.

Regularly inspects and records condition, on forms provided, on all electrical equipment including motors, control panels and systems, switches, lighting, circuits and circuit breakers; cleans, maintains, adjusts and lubricates equipment, taking all safety precautions.

Uses electrical test equipment, drawings, electrical blueprints, wiring and schematic diagrams to install new equipment and diagnose problems with inoperative equipment; modifies and improves existing equipment; determines whether or not temporary continuation of operation will have any harmful effect on equipment; advises Supervisor when immediate shut down of equipment is necessary to minimize damage; determines methods to minimize interruption of production.

Performs temporary or permanent repairs; corrects defective circuits by determining cause of failure and replacing circuit components; repairs motors, cranes, and other equipment; performs mechanical repairs as required.

Works with repair crews on emergency breakdowns; may perform simple rigging as required; operates machine tools such as drill press, power saw and portable drill and grinder.

Is responsible for housekeeping in shop area and work sites.

Actively participates in quality improvement process.

### **REQUIREMENTS OF THE POSITION:**

Minimum High School graduate or equivalent and Certified Journeyman.

Minimum 5 years of experience in a similar position in a heavy manufacturing environment, preferably in the metal coil coating industry.

Must be familiar with solid state control system.

Must be knowledgeable of test equipment used for trouble-shooting systems.

Must be able to read electrical schematics and act on them.

Must have thorough knowledge of AC/DC equipment, motors, control panels, switches, lighting circuit breakers, and relay systems, variable speed drives and programmable controllers.

Must be familiar with all applicable codes and proper installation methods.

Availability to work any shift, overtime, and weekend hours as necessary.