



Position Description

Title: Electrical Technician

Department: Production

Reports To: Shop Supervisor

FLSA Status: Non-exempt

Summary: This individual will perform electrical duties, repair, test, and troubleshoot, utilizing electrical blueprints and various tools.

Essential Duties: Essential job duties for this position include the following items. Other duties must be performed as assigned or required.

- Conduit equipment to meet customer requirements.
- Installation of new electrical wiring and systems.
- Wire process and control equipment using electrical blueprints.
- Provide support to Testing Technician during equipment testing.
- Perform building maintenance issued by management.
- Troubleshoot and repair equipment.
- Knowledge of local, state, and federal electrical codes, preferred.
- Compliance with all OSHA and company safety and electrical regulations including Lock Out-Tag Out and Arc Flash protection.
- Calibrate switches, meters, and analyzers.
- Work toward continuous quality improvement.
- Stay current with changing technology, including software and position/industry-specific programs.
- Uphold, support, and promote all company policies and procedures.

Supervisory Responsibilities: None

Qualifications: To perform this job successfully, the individual in this position must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the minimum knowledge, skills and ability required.

Education/Experience:

- High School Diploma/GED, some technical school training preferred.
- Two or more years' experience as an Electrical Technician or comparable proven work experience highly desired.
- Knowledge in the fields of electronics, electrical wiring, electrical instrumentation, mechanical process equipment, and building maintenance required.
- A strong electro-mechanical aptitude and ability to read and understand engineering drawings and electrical blueprints and troubleshoot and repair electrical and mechanical components highly desirable.
- Experienced electrician with knowledge of NEC and applying the code to installation of conduit and wire for process equipment, highly desired.



Position Description

- A valid State Journeyman Electrician license, desired.

Physical Demands: The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

- Standing – Approximately greater than 2/3 of on-the-job time, for a minimum of 8 hours daily.
- Walking – Approximately 1/3 to 2/3 of on-the-job time.
- Sitting – Approximately greater than 2/3 of on-the-job time, for a minimum of 8 hours daily.
- Use of hands to finger, handle or feel – Approximately greater than 2/3 of on-the-job time.
- Reaching with hands and arms – Approximately less than 1/3 of on-the-job time.
- Climbing or balancing – Approximately 1/3 to 2/3 of on-the-job time.
- Stooping, kneeling, crouching or crawling – Approximately less than 1/3 of on-the-job time.
- Talking or hearing – Approximately 1/3 to 2/3 of on-the-job time.
- Tasting or smelling – Approximately less than 1/3 of on-the-job time.
- Weight lifted/Force exerted – An average of approximately more than 50 pounds, less than 1/3 of on-the-job time, non-continuously.
- Ability to work at heights of 20 feet or more

Physical demand requirements listed are primarily applied to performance of various service and manufacturing and/or fabrication processes. Usage of all required PPE and safety equipment, sensitive to the location of the required work, is also required.

- Vision – Close vision (clear vision at 20 inches or less), Distance vision (clear vision at 20 feet or more), Color vision (ability to identify and distinguish colors), Peripheral vision (ability to observe an area that can be seen up and down or to the left and right, while eyes are fixed on a given point), Depth perception (three-dimensional vision, ability to judge distances and spatial relationships), and Ability to adjust focus (ability to adjust the eye to bring an object into sharp focus).

Vision requirements listed are primarily applied to detailed service work, various machinery and tool usage and reading of instruction manuals.

Work Environment: The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of the job.

Environmental – Exposure to potentially hazardous environmental conditions may include the following:

- Wet or humid conditions (non-weather) – Approximately less than 1/3 of on-the-job time.
- Work near moving mechanical parts – Approximately greater than 2/3 of on-the-job time.
- Work in high, precarious places – Approximately 1/3 to 2/3 of on-the-job time.
- Fumes, gasses or airborne particles – Approximately 1/3 to 2/3 of on-the-job time.
- Toxic or caustic chemicals – Approximately less than 1/3 of on-the-job time.
- Outdoor weather conditions – Approximately 1/3 to 2/3 of on-the-job time.
- Extreme cold (non-weather) – Approximately less than 1/3 of on-the-job time.



Position Description

- Extreme heat (non-weather) – Approximately less than 1/3 of on-the-job time.
- Risk of Electrical Shock – Approximately 1/3 to 2/3 of on-the-job time.
- Work with highly flammable gas – Approximately less than 1/3 of on-the-job time.
- Vibration – Approximately less than 1/3 of on-the-job time.
- Noise: Loud – (noise levels not exceeding 85dB)
- Ability to perform job functions in confined spaces