JOB DESCRIPTION

Job Title:	Elect Tech		
FLSA Status:	Non-Exempt		
Reports To:	Electrical Supervisor		
Direct Reports:	n/a		
Schedule:	Varies		
SSC Incentive:	Yes	**Holiday Pay:**	Yes

Overview:

Contribute to Sterling Steel safely producing high quality products at the lowest cost by inspecting electrical issues; maintaining and repairing electrical and electronic equipment throughout the plant; installing new electrical items when necessary and completing preventative maintenance as scheduled to prevent future failures.

Responsibilities & Duties:

- Dismantle, clean, repair, replace, install, maintain, assemble, and lubricate electrical equipment to obtain proper operating characteristics
- Make either temporary or permanent repairs as required to equipment such as main motor devices, generators, control panels, relays, interlocking cranes. control systems, electronic devices, and circuit breakers
- Make mechanical and electrical repairs on cranes
- Receive instructions covering the scheduled and emergency repair, installation, and inspection work required for any task to be performed
- Inspect electrical/electronic equipment and power lines, checking motor bearings lubrication, commutation, excessive vibration, obvious signs of wear or need for adjustment, etc.
- Diagnose trouble using testing equipment or own judgment based on general knowledge of electrical principles when faulty operation is observed or pointed out
- Determine the best way to make repairs to minimize interruption of production
- Advise when immediate shut-down of equipment is necessary to minimize damage or when temporarily continued operation will have no harmful effect
- Calibrate electrical measuring equipment
- Assist with plan projects as well as assisting with project start ups
- Interpret and analyze drawings and wiring diagrams to locate and trace electrical circuits, and evaluate programming to determine material and replacement needs, and selects a logical approach to "trouble shooting" and repair problems
- Markup drawing changes and deliver copy to Supervisor
- Make mechanical repairs as required while servicing of electrical equipment
- Make accurate reports and records for the CMMS system for equipment history
- Fill out and maintain assigned records, checklists logs and reports
- Provide direction to production employees when they assist with repairs
- Safely operate tools and mobile equipment.
- Erect scaffolds, perform welding, burning, and rigging as required.
- Perform housekeeping in areas of repair work and in shops
- Report to work as scheduled
- Follow all related SJPs
- Adhere to all Policies and work rules
- Comply with all SSC Safety rules including required Personal Protective Equipment and strict compliance with Lock Out/ Tag Out procedures

Experience/Education/Skill/Knowledge:

- 5+ years maintenance electrician related experience; preferably in similar heavy manufacturing setting or equivalent training and experience
- Ability to effectively read, write, understand, and otherwise communicate in English is required for this position
- Knowledge of Crane signals
- Intermediate to advanced computer skills.
- Ability to work effectively alone or with other employees, with or without direct supervision
- Desire and ability to continually advance knowledge of electrical controls and troubleshooting
- Identify the differences between like sensors and read datasheets for sensor applications
- Understands Programable Logic Controllers & Analog Circuits, PLC Scaling calculations; Calibrations of flow; Temp & pressure transmitters; Communication protocols; Cabling & basic networking.
- Possess and understanding of Gear ratios; Motor RPM; Encoder technology; Theory of AC & DC variable speed drives; Basic concepts of VFD controls; Efficient use of software for parameter upload, download & troubleshooting; and Communication data files that control VFDs

Physical Demands:

- Able to work in extreme temperatures (hot & cold) while wearing required PPE
- Willing and able to learn, retain and apply new information
- Mobility to move to any area of assigned location (Rod Mill and/or Melt Shop)
- Strength and stamina to remain on feet for majority of 12-hour shifts
- Able to use required PPE
- Walk up and down stairs safely
- Climb ladders and on catwalks, using safety harness
- Safely maneuver into positions required for Overhead Crane inspection and repair
- Lift up to 50 pounds occasionally
- Carry up to 25 pounds without assistance
- Effective written and verbal communication skills
- Average computer skills including dexterity to type on keyboard
- Supply own basic tools (list available in HR)

Tool/Machines/Equipment Used:

• drill press	• grinder	• cranes
• power saw	• electrical testing equipment	• safety devices
• chain fall	• electronic testing equipment	• mobile equipment
• burning equipment	• pipe threading machine	• tractors
• electric welder	• pipe bender	• computer
• portable drill	• hand tools	• portable calibrators