



JOB DESCRIPTION

Title: Electrical Engineer

Date: August, 2023

Classification: Salary (Exempt)

Reports to: Vice President of Engineering

JOB SUMMARY:

Design, implement, maintain, and improve electrical components, equipment, products, and systems for industrial purposes pertaining to the manufacture and operations of Boilers, Deaerators and other boiler room related equipment.

CORPORATE EXPECTATION of EMPLOYEE

- Adhere to SBW corporate/personnel Policies and Procedures.
- Acts as a role model within and outside SBW Corporation.
- Performs Electrical Engineer duties as workload necessitates.
- Maintains a positive and respectful attitude.
- Communicates regularly with the President and Vice President about business related issues.
- Consistently reports to work on time.
- Important member of the engineering team to ensure the best possible service and effective communications to SBW customers.

FUNCTIONS TO BE PERFORMED:

- Provide technical assistance and resolution when electrical or engineering problems are encountered during the manufacturing of boiler room equipment.
- Direct and coordinate manufacturing, installation, and support of electrical equipment to ensure compliance with specifications, codes and customer requirements.
- Perform detailed calculations to compute and establish manufacturing and installation standards and specifications
- Inspect completed electrical installations and observe operations, to ensure conformance to design and equipment specifications and compliance with specifications and safety standards
- Prepare specifications for the purchase of materials and equipment from suppliers
- Supervise and train team members as necessary
- Analyze, interpret, and troubleshoot information to resolve design- related problems
- Write procedures for electrical equipment and installations
- Review engineering and customer specifications regarding electrical requirements for equipment to be manufactured
- Support testing of electrical components on equipment at SBW's facility and other testing facilities off-site
- Prepare drawings and procedures with details and clarity for facility personnel to follow

ESSENTIAL KNOWLEDGE, SKILLS and ABILITIES:

- Bachelor of Science degree in Engineering or at least 5 years of engineering experience in a mfg. environment.
- Ability to communicate verbally and in writing
- Must be capable of following verbal and/or written instructions
- Must be capable of good articulation when talking on the telephone with customers
- Must have good mathematical skills
- Knowledge of manufacturing and industrial skills
- Must know and practice good drafting procedures
- Must possess good electrical/mechanical and troubleshooting skills
- Detail minded
- Able and willing to assist with troubleshooting on the manufacturing floor when needed
- Have the ability to sit for long periods of time
- Have the ability to grasp, stoop, squat or to perform duties with reasonable accommodation
- Proficient with current computer programs and applications

PREFERRED QUALIFICATIONS:

- Experience in ASME code processes, fire tube and hot water condensing boilers and burner management systems, electrical control panels, and experience with UL testing.

Physical Demands:

While performing the duties of this job, the employee is occasionally required to stand; walk; sit; use hands to finger, handle, or feel objects, tools or controls; reach with hands and arms; climb stairs; balance; stoop, kneel, crouch or crawl; talk or hear; taste or smell. The employee must occasionally lift and/or move up to 50 pounds. Specific vision, color vision, peripheral vision, depth perception, and the ability to adjust focus.

Work Environment:

While performing the duties of this job, the employee is not exposed to weather conditions.

The noise level in the work environment is usually moderate.