

## DESIGN ENGINEER

If you qualify for this position, please e-mail your resume or internal application to [careers@fibrebond.com](mailto:careers@fibrebond.com).

### JOB SUMMARY

Responsible for the design of custom enclosures for generator sets (gensets) and/or switchgear motor controls, power control equipment for use in the mission critical power generation, and oil and gas, energy/utility sectors. Determines solutions for plant errors and problems that arise in production. The design includes of the mechanical and electrical systems, fire suppression, distribution, alarm wiring, environmental control, mechanical layout and structural design. The Design Engineer will assist customers or contractors in the field with questions about our buildings.

### ESSENTIAL FUNCTIONS

1. Manages the drawing process with the assistance of a drafting team from approval through as-built.
2. Prepares original layout of building interiors and exteriors based on customer requirements and specifications, including generator set, switchgear motor controls, power control equipment, routing of conduit and electrical wiring and structural configuration of building.
3. Configures electrical systems and wiring, alarm systems and wiring and environmental control systems.
4. Designs mechanical and structural systems for assigned projects.
5. Specifies components and purchased parts.
6. Prepares AutoCAD drawings as necessary.
7. Enters and maintains current project information in Engineering Database.
8. Responsible for meeting established schedule and deadlines for his/her projects.
9. Assists project management personnel and answers questions related to projects.
10. Interacts with customers and outside engineering/architectural firms to answer questions and develop appropriate building configurations.
11. Communicates with and coordinates work performed by outside sub-contractors.
12. Assists Quality Control on minor quality issues.
13. Works with state approval requirements.
14. Monitors equipment installation requirements.
15. Interfaces with other Engineers and Designers for building design decisions.

### ADDITIONAL RESPONSIBILITIES

Performs other duties as necessary. (Related duties as necessary are duties which may not be specifically listed in the position description, but which are within the general occupational series and responsibility level typically associated with the employee's class of work.)

### QUALIFICATIONS & SKILLS

1. BS degree in Electrical or Mechanical Engineering is required.
2. Three or more years' experience as an Electrical or Mechanical Engineer preferred.
3. Experience in power generation/distribution a plus.
4. Proficient in AutoCAD and 3D modeling software required; Solid works preferred.
5. Excellent communication skills required.
6. Must be creative and a self-starter.

7. Highly motivated and able to work independently.
8. Strong planning, troubleshooting and problem-solving skills required.
9. Must be a good listener and pay attention to detail.
10. Must be organized and possess an ability to handle multiple projects.
11. Ability to work effectively with other employees, managers and customers. Excellent interpersonal skills.
12. Due to confidential nature of job, i.e. pricing information, Fibrebond's usage and requirement, a high level of work ethics, integrity and discretion is required.
13. Must be familiar with content of the National Electric Code and other national and local Electrical and Building Codes.
14. Required to pass pre-employment drug screen, background check, and be authorized to work in the United States.