

## STRUCTURAL DESIGNER

### Summary/Objective

The Structural Designer works with engineers and project managers to develop structural models and drawing packages for Industrial style modular buildings, as well as cryogenic plants, power racks and other structural systems in the oil and gas industry.

### Essential Functions

Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions.

- Collaborate with project managers, engineers, and other members of the drafting and design department to produce computer-aided drafting and design drawings from specifications, source control drawings, sketches, or verbal instructions.
- Review vendor supplied documentation for accuracy and provide comments for implementation.
- Calculate tolerance stack-ups to verify design fit-up.
- Develop project documentation in accordance with MCSI, client, and industry drafting standards.
- Work closely with all departments to ensure that drawings convey the correct information and are error free.
- Develop foundation for design files.
- Assist with ensuring produced work complies with MCSI QA/QC standards.
- Provide leadership and guidance to drafters.
- Provide Bill of Materials for project managers.
- Adhere to department and company policies, processes, and procedures.

### Required Education and Experience

- High school diploma or equivalent and 2-5 years' experience in the preparation and delivery of complex drafts and designs for dimensional and abstract project data.
- Proficient with AutoCAD software (3D preferred) and/or CADWorx Plant Design Suite 2017 to current.
- Ability to read and write English, follow policies.

### Preferred Education and Experience

- Bachelor's degree in an applicable field or relevant trade school experience and/or an associate's degree in computer drafting.
- Current trade license or certificate.

### 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.

While performing the duties of this job, the employee is regularly required to talk and/or hear. The employee is occasionally required to sit; climb or balance; and stoop, kneel, crouch and/or crawl. The employee must frequently lift and/or move up to 10 pounds and occasionally lift



and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.

**Position Type and Expected Hours of Work**

This is a full-time position. Typical days and hours of work are Monday through Friday 8:00 a.m. to 5 p.m. Some flexibility in hours is allowed, but the employee is expected to work a minimum of 40 hours each week.

**Travel**

Some travel is expected with this position. Occasional travel to jobsites may be required to review job scope of work and QA/QC compliance. Occasionally, the jobsite will be out of the area and overnight stay may be required.

**Location**

This position is on-site in the Katy, TX location.

**Work Authorization/Security Clearance**

Must be eligible to work in the United States.