

Mid-States Concrete Industries

Job Description

Position Title: Precast Structural Engineer
Reports to: VP of Construction

Job Summary

The Precast Structural Engineer will design and engineer precast/pre-stressed concrete products, ensuring that the company exceeds our customer's expectations while minimizing costs and driving innovation.

Duties and Responsibilities:

- Provides design calculations for all precast/pre-stressed concrete products.
- Answers technical questions asked by customers and staff members within Mid-States.
- Works with production department to provide economical solutions for production and quality requirements.
- Provide technical and engineering support to evaluate, troubleshoot and improve manufacturing of precast products utilizing engineering knowledge of product design, materials and processes.
- Reads and interprets blueprints, technical drawings, schematics, and computer-generated reports.
- Analyses vertical and lateral systems for a variety of structures, primarily in commercial and industrial applications.
- Performs structural design and analysis calculations using governing codes and standards, mathematical engineering formulas, skills, and also experience.
- Using Revit software, prepares a presentable and complete set of substantiating calculations.
- Assist the sales department in the design phase of projects.
- Work with customers, architects, owners and developers to promote our products.
- Responds to building department, client and construction team inquiries and comments.
- Engages in constant interaction with all members of the design-build team including Clients, Architects, Engineers and Project Managers throughout the design and construction process.

Knowledge, Skills and Abilities:

- Ability to read and interpret contract drawings and be able to perform structural designs, with a desired minimum of 2 years of concrete design experience (precast preferred).
- Knowledge with Microsoft Office Products.
- Excellent organization and communication skills.
- Self-motivated and able to take initiative.
- Ability to interact with manager, drafters, sales, customers, and other employees to resolve engineering and management related issues.
- Demonstrated ability to manage several large to small, complex projects and project teams simultaneously.
- Knowledge of AutoCAD, MathCAD and TEKLA would all be favorable.

Educational and Experience:

- Bachelors Degree in Civil or Structural Engineering required.
- Construction Background, preferably precast.
- Experience with AutoCAD, TEKLA 3D modeling software, and BIM software.