



Job Description: Sr. Structural Engineer

Alternative Titles: n/a

Revised: May 25, 2011

Business Unit: Engineering

Employee Type: Exempt

Reports To: Engineering Manager

Purpose: Provide structural and foundation design, technical analysis, and /or resolution of engineering problems. Provide direction and coordination of structural and civil foundation design for large industrial projects in Power, Refining, Petro-Chemical, and Manufacturing.

Work Schedule: 7:30 am – 5:30 pm Monday through Thursday and 8 am – 12:00 pm Friday (minimum).

Essential Skills (*may include but are not limited to the ability to*)

- Prepare structural and foundation designs for industrial projects.
- Play a lead role in designing heavy equipment foundations for industrial projects.
- Design structural steel supports for heavy equipment and large steel and concrete structures.

Essential Qualifications

- Must possess superior engineering skills and be capable of interacting with all engineering disciplines.
- Must have an advanced knowledge of structural and civil foundation engineering and design and be familiar with applicable Codes, standards, and acceptable industry practices, etc.
- Must have excellent communication skills and be capable of interacting with other engineering disciplines, construction project managers, and clients.
- Must have a proven track record of accomplishment as a lead design engineer on industrial projects and be capable of supervising and directing a team of engineers, designers and support personnel.
- 15 years of formal training and experience in heavy industrial engineering design with at least 5 years as a project engineer or group leader.
- Bachelor or Master's degree in Civil Engineering from an accredited engineering school.
- Must be licensed as a professional engineer, by exam, in state of residence with the ability to be licensed in multiple states.
- NCEES Structural Exam I and II
- Must have experience as a group leader or project engineer on complex, multi-discipline engineering design or EPC projects.

Physical Requirements

- Frequently lift objects weighing up to 25 pounds
- Climb stairs
- Sit for long periods of time
- Occasionally stoop, kneel or crouch
- Use hands and arms to reach for, grasp and manipulate objects

Tool/Personal Protective Equipment Requirements

- n/a

Environment: Work usually takes place in clean, pleasant, and comfortable office settings.

Employee Review Acknowledgement

I acknowledge that I have read the Job Description and I understand what would be expected of me. The Company reserves the right to change or reassign job duties or to combine positions at any time. I also understand that I am an at-will employee, and this Job Description does not constitute a contract of employment.

Candidate/Employee Signature

Date