

Junior Structural Engineer

Pittsburgh, Pennsylvania Office

Description:

The Junior Structural Engineer will work with a Senior Engineer to perform structural analysis and design of structures and foundations for heavy industrial projects. The Junior Engineer will work closely with the structural designers and drafters to coordinate designs with equipment drawings and other disciplines to develop structural and foundation construction drawings. They should be familiar with the current Building and Structural design codes. Assignments may require some travel to attend meetings with clients and document existing conditions within the project area. Interaction with clients, contractors, equipment suppliers and other engineering departments during the design and construction phases of project may be needed.

Minimum Qualification:

- Bachelor's of Science degree in Civil Engineering
- Fundamentals of Engineering Exam (preferred)
- Familiar with the latest design codes such as AISC 360, ACI 318, ASCE 7, IBC
- Familiar with structural steel, concrete and foundation design
- Familiar with STAAD.Pro structural analysis/finite element software
- Familiar with Autocad (preferred)
- Good verbal and written communication skills
- Experienced in the use of Word and Excel software
- Must be self-motivated and responsible
- Able to work well with others and to work in a team environment
- Able to travel to project sites as needed for meetings and field investigations/inspections