Structural Engineer

Pittsburgh Office

Description:

The Structural Engineer is responsible for providing structural analysis and design of structures and foundations for heavy industrial projects. The 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 must be familiar with the current Building and Structural design codes and have experience working on heavy industrial projects. 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.

Minimum Qualification:

- Bachelor's of Science degree in Civil Engineering
- Registered Professional Engineer (preferred)
- Knowledgeable of the latest design codes such as AISC 360, ACI 318, ASCE 7, IBC, AIST Technical Report No. 13
- Ten (10) years relevant heavy industrial experience
- Experienced in the use of STAAD.Pro structural analysis/finite element software
- Familiar with Autocad and drawing presentation
- Ability to effectively and professionally interact with clients/owners, equipment suppliers and contractors
- Good verbal and written communication skills
- Prepare construction specifications and contractor scope of work documents
- 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 provide direction to designers and junior engineers
- Able to work within schedules and budgets for assigned tasks
- Able to manage all aspects of the structural portion of assigned projects
- Able to travel to project sites as needed for meetings and field investigations/inspections
- Able to clearly document site observations and existing field conditions for use by others in the design process