

Structural Engineer

Education

- BS in Structural Engineering
- PE license (or ability to take and pass the exam)

Experience

- 3 to 10 years of experience in the structural design field.
- Experience with the Consulting Engineering Industry (preferably work at a firm).

Salary

- Negotiable and commensurate with applicable experience.

Responsibilities

The following are desired job skills and responsibilities:

- Utilize computer design software for design. This includes knowledge of building construction materials, general connection types used in construction and brace & moment frame design.
- The ability to interpret and apply the structural sections of the building code (i.e. seismic, wind and snow drift loading).
- Design and layout of commercial and industrial building steel systems including foundations.
- Detailed design of steel, concrete, concrete block and other common structural materials for building projects.
- Development of construction document packages based on the project requirements and application. This will include project coordination with other disciplines (mechanical, architectural and electrical), directing drafting personnel and checking project construction documents.
- Review of job specific material specifications.
- Attend client meetings in order to clearly understand job/owner requirements and expectations (project review meetings, construction meetings and project closeout meetings).
- Develop engineering scopes after helping client determine project requirements.
- Project shop drawing and submittal review.
- On-site inspections of structural system installations.
- Conduct on-site surveys to establish and document accurate field conditions.
- Direct drafting personnel to develop project documents and check their work.
- Ability to perform own drafting when necessary.
- Proficiency with Microsoft Word, Excel, AutoCAD, Revit and RISA also preferred.