

Structural Designer

General Job Description:

Prepares structural calculations package and instructs project technicians on developing structural plans, specifications, and details. Designer will rely on minimum instructions, training, and supervision of the Team's primary Project Engineer to perform the functions of the job. Primary job responsibilities typically will require exercising minimal independent engineering judgment in relation to project problems and solutions for design and/or field fix. Responsibilities include, but not limited to:

- Developing section cuts and details as necessary to complete submittal drawings.
- Providing structural analysis and design for building projects.
- Training team members in basic structural engineering principles and concepts, and applications of local building codes.

Work experience requirements:

- Two to Five years of experience in engineering.
- Minimum one year of progressive engineering experience in the consulting field.
- Advancement from Structural Engineering Assistant position or 4+ years of structural engineering experience.

Qualifications and Skills requirements:

- AutoCAD proficient.
- Basic knowledge of Windows: Word & Excel.
- Reading and Interpreting engineering drawings, specifications, and details.
- Design knowledge and application of Model & Local building Codes.
- Knowledge of structural analysis and design employing vertical and lateral load determination, for multi-story buildings.
- Knowledge ALI Design and processes.
- Knowledge of design application and design standards (AISC, NDS, etc.)
- Basic knowledge of contract administration.
- Basic knowledge of planning and conducting informal meetings.

Education and Training Requirements:

- Bachelor's Of Science degree in Civil Engineering or equivalent.
- Engineer-In-Training Certificate OR 4+ years of structural engineering experience.