



STRUCTURAL ENGINEER JOB DESCRIPTION

Summary

The Structural Engineer will prepare structural calculations, technical reports, contract plans and specifications, construction cost estimates and will perform inspections. Other responsibilities will include researching and developing structural engineering techniques and approaches as well as verifying and validating designs.

Primary and Essential Functions

- Deliver engineering solutions on multiple projects, on budget and on schedule;
- Provides technical engineering expertise to Project Manager and/or client to ensure the project complies with all engineering standards, codes, specifications and design instructions;
- Creates climbing wall structures including structural steel and foundation drawings to meet client's and management's specifications;
- Reviews, analyzes and resolves field and/or design issues;
- Makes design recommendations and/or adaptations.
- Meets daily with team to provide updates on progress towards weekly goals;
- Prepares architectural designs, plans, and specifications, using computer design software including Rhino3D, Revit & Adobe Suite;
- Conduct field visits on occasion for site surveying;
- Works closely with team members & consulting engineers to manage each project, ensuring deadlines are met;
- Document and enforce policies, processes, and procedures;
- Researches and proposes new technologies and growth opportunities;
- Additional duties as assigned.

Qualifications

- Bachelor's Degree in Civil, Structural, or Architectural Engineering;
- Licensed PE with qualifications necessary to get licensed in Utah;
- Minimum of five years of related work experience;
- Knowledge and ability to analyze and design according to codes, design criteria, and structural theories.
- Must be proficient in Rhino3D and have solid 3-D modeling abilities;
- Knowledge of Agile principles preferred;
- Ability to work independently and with a team while meeting established deadlines.
- Excellent problem solving and critical thinking skills;
- Ability to double check own work for errors;
- Ability to develop and implement processes and procedures that will fuel continued growth within our current construction niche;
- Excellent verbal, written and interpersonal communication skills;

- Proficient knowledge of Microsoft Office applications (Word, Excel, Outlook);
- Proactive, self-starter;
- Well-developed time management skills with the ability to manage multiple priorities;
- Act in a manner of integrity that shows support for the company, its values, and other associates, while maintaining a constant focus on exceeding customer requirements and expectations.

Physical Demands and Work Environment

- Majority of time is spent in a office environment, however, when in the shop or at job site may be exposed to the following;
 - Exposure to moving mechanical parts, tool and vibrations;
 - Noise level is typical of that found in a construction environment;

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