



Fisher Construction Group, Inc.  
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Burlington, Washington 98233  
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## JOB DESCRIPTION

**TITLE:** Junior Structural Engineer

**REPORTS TO:** Senior Structural Engineer

**Summary:**

Working as part of a design and construction team, designs structural components of buildings.

**Essential Functions:**

- Analysis of vertical and lateral systems for a variety of structures.
- Preparation of a presentable and complete set of substantiating calculations.
- Structural modeling and detailing using Revit including creation / manipulation of families.
- Response to building department review comments.
- Interaction with all members of the design-build team including Architects, Engineers and Contractors throughout the design and construction process.

**Skills, Knowledge and Abilities:**

- Professional knowledge of principles, techniques, and procedures necessary to design structures which will be physically able to withstand specific pressures and forces.
- Knowledge of laws, regulations, rules, best practices, statutes, and codes pertaining to construction of new and renovation of existing structures.
- Ability to solve engineering problems and to design structural systems using creative and innovative thought processes. Experience in the design of structural steel and reinforced concrete structures.
- Ability to apply mathematical, scientific and technological tools used in the engineering field.
- Ability to analyze and interpret data and maintain a sound theoretical approach to problem solving.
- Demonstrated competence in Revit and Revit Structures. Knowledge and proficiency with Autocad. Experience using Revit for modeling and detailing of structures including the creation and manipulation of families. Experience using RISA and MathCad.
- Excellent verbal and written communication skills with an emphasis on customer service skills.
- Ability to work as a member of a comprehensive design and construction team to achieve organizational goals as well as complete client satisfaction.
- Ability to maintain a good attendance record. Ability to work long hours during some phases of projects.

- Demonstrated competence in MS Office, including Word, Excel, Outlook, Projects and Access.
- Ability to travel to distant construction sites, which may include overnight or several day stays.
- Valid Driver's License and good driving record.

**Education and Experience:**

Bachelors or Masters Degree in Structural Engineering, Architectural Engineering or Civil Engineering (With a structural concentration)

Must have passed the FE/EIT Examination.

Licensed or seeking licensure as a Professional Engineer in the State of Washington.

**Physical Requirements:**

Sitting is required for the majority of the day, although sitting and standing may be varied as necessary for comfort. Fine finger dexterity is required for use of a keyboard and other office machines.

Visiting construction sites occurs frequently and requires exposure to inclement weather and walking on uneven, rough terrain. May require climbing stairs, planks or ladders to access parts of job site.

Minimal lifting requirement of 20 pounds or less on an infrequent basis.

**Working Conditions:**

Work is performed in an office environment, as well as at construction sites located both locally and at out-of-state or out-of-country locations. Requires travel, including overnight trips or prolonged stays at facilities under construction.

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*The statements contained herein reflect general details as necessary to describe the principal functions of this job, the level of knowledge and skill typically required and the scope of responsibility, but should not be considered an all-inclusive listing of work requirements. Individuals may perform other duties as assigned including work in other functional areas to cover absences or relief, to equalize peak workload periods or otherwise to balance the workload.*

Updated: May 16, 2016