



Fisher Construction Group, Inc.
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625 Fisher Lane
Burlington, Washington 98233
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JOB DESCRIPTION

TITLE: Electrical Engineer

REPORTS TO: Vice President of MEP/Process Engineering

Summary:

Performs duties to assist clients in planning the development and installation of equipment in manufacturing and processing plants. Oversees the energizing of such equipment as part of construction of new or improvement to existing manufacturing and processing facilities.

Essential Functions:

Reads and interprets blueprints, technical drawings, schematics, and computer-generated reports.

Researches and analyzes client design proposals, specifications, manuals, and other data to evaluate the feasibility and cost of installation.

Confers with client's engineers and other personnel to obtain thorough understanding of client's needs, processes and budget.

Designs installation or improvement of electrical instruments, equipment, facilities, components, products, and systems for commercial and industrial purposes.

Specifies electrical requirements for the installation of equipment and provides quantities and data suitable for cost estimating.

Estimates costs and obtains bids for engineering and installation services and prepares request for proposal (RFP) and contract documents.

Manages electrical consultant contracts and electrical / controls subcontracts, to include, but not limited to project scopes, change order management and terms and conditions.

Oversees new installation or modification of equipment. Works with contractors or subcontractors to complete installation or modification.

Inspects completed installations and observes operations to ensure conformance to design and equipment specifications and compliance with operational and safety standards. Assists client to develop testing procedures as needed.

Develops maintenance and support documents for clients and users as needed.

Develops project schedules for timely completion of projects.

Produces project cost forecasts and schedule updates during the life cycle of the project.

Meets individual project budgets and schedules.

Prepares or assists in preparation of construction administration phase documents.

Works on-site of installation or conducts periodic on-site inspections.

Attends on-site meetings to assist in clarifying technical design elements on projects.

Maintains a continuous awareness of the latest technologies in the manufacturing and processing industry and applies them to assignments.

Other duties as assigned.

Peripheral Functions:

Selects, manages and works with subcontractors and vendors.

Skills, Knowledge and Abilities:

Extensive knowledge of electrical systems in a manufacturing environment.

Knowledge of laws, regulations, rules, best practices, statutes, and codes pertaining to design and installation electrical systems to support manufacturing and processing systems.

Ability to facilitate and / or prepare and complete permitting requirements with local JHA and L&I.

Ability to both read and prepare technical plans, drawings and bid documents.

Knowledge and proficiency with AutoCad, Navisworks and Revit.

Excellent verbal and written communication skills with an emphasis on customer service skills.

Ability to negotiate and mediate issues with a variety of personalities representing a diverse group of individuals and businesses.

Ability to exercise tact, diplomacy and discretion in business dealings and with staff.

Ability to work as a member of a comprehensive design and construction team to achieve organizational goals as well as complete client satisfaction.

Exceptional problem-solving and decision-making abilities.

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, PowerPoint, Project, Primavera P6.

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:

Bachelor's degree in Electrical Engineering or a combination of education and experience necessary to perform the work.

At least 5 years of experience in the design and installation of manufacturing equipment

Prior experience in project management and leading capital projects from concept to completion preferred.

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.

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.

Last Updated: August 7, 2019