POSITION: Plumbing Designer 1

DEPARTMENT: Mechanical Engineering

REPORTS TO: Lead Plumbing Designer

CLASSIFICATION: Full Time, Non-Exempt

SUMMARY: Responsible for plumbing system design and documentation.

ESSENTIAL DUTIES AND RESPONSIBILITIES

Plumbing Design (100%)

- Perform study and design for projects that may include existing facility evaluations, feasibility studies, design, cost estimating, and similar functions.
- Field survey to identify site conditions.
- Code review and compliance.
- Plumbing calculations including water supply, storm, and equipment sizes.
- Design plumbing systems including sanitary waste, vent, storm, domestic water distribution systems, compressed air systems, and natural gas or propane systems.
- Selects, schedules, and sizes basic plumbing system components including plumbing fixtures and equipment.
- Coordination with design work of other disciplines.
- Produce plumbing plans, schedules, details, and diagrams.
- Review of shop drawings and product submittals.

QUALIFICATIONS AND EXPERIENCE

- Must be authorized to work in the U.S.
- 0-2 years of experience in commercial plumbing design.
- ASPE CPDT or CPD credential is desirable.
- High School degree or equivalent required; Associate degree in AutoCAD, Revit, mechanical design, science, energy analysis, or other technical-degree desirable.
- AutoCAD proficiency required as it applies to the preparation of plumbing drawings. Revit proficiency desirable.
- Ability to lay out plumbing systems and calculate flows and pressure drops for domestic water, sanitary waste, sanitary vent, and storm water systems, and size plumbing equipment such as water heaters and circulation pumps.
- Possess a comprehensive understanding of plumbing systems.
- Familiar with construction document organization and preparation.
- A demonstrated ability to prioritize and handle multiple tasks.
- Attention to detail and a high level of accuracy while preparing documentation.
- Excellent interpersonal skills.
- Effective organizational and written skills.
- Must be a self-starter.
- Computer skills include the MS Office suite, Adobe Acrobat and/or Bluebeam Revu, and SharePoint.
- Preferred personal attributes, including but not limited to:

- · Personable, presentable, and articulate
- · Sound work ethic
- · Honest, trustworthy, and dependable
- · Respectful
- · Cultural awareness and sensitivity
- · Ability to think creatively

WORK CONDITIONS

Physical Demands

Occasional lifting and carrying, up to 20lbs
Typing/computer work, more than 80% of the time
Sitting, standing, and walking.
Ability to perform offsite in various working conditions, including heat, cold, rain, and snow.

Mental/Visual Demands

Concentrated mental and/or visual attention; the work involves performing complex tasks with very close accuracy and quality.

Work Hours & Expectations

Working hours are from 8:00am to 5:00pm but may vary depending on project demands. Time off to be coordinated with work team and project schedules. Occasional travel within the States of Oregon and Washington up to 3 to 4 times per week as workload dictates. Overtime may be necessary according to workload. Employees are expected to perform all duties as assigned.

Background Screening

Background screening may include previous employment, education, criminal history, and driving record verification.