

## **Plumbing Designer**

### **Position Overview**

- Under the direction of the Plumbing Engineer and Project Manager, the Plumbing designer applies Plumbing/Fire protection theory to design and specify piping systems, performs load calculations and fixture counts, completes code compliance documentation, participates in coordination meetings with design team members and clients, corresponds with vendors and contractors, performs site surveys, observes construction projects, edits specifications, and reviews submittals.

### **Duties and Responsibilities**

- Knowledgeable of plumbing/fire protection systems.
- Coordinate clearances and fit for all MEPT systems.
- Calculate design load estimates for various piping systems.
- Conduct site surveys and prepare reports and studies.
- Prepare construction cost estimates.
- Design piping distribution systems.
  - Design, pipe layout, and sizing of piping different systems.
  - Size and layout mechanical equipment rooms.
  - Size and layout of plumbing equipment.
- Complete continuing education requirements to maintain licensure.
- Proficient using Codes and Standards (International Plumbing Code, NFPA)
- Proficient or actively learning REVIT.

### **Qualifications**

- Plumbing Designer I
  - Four-year degree in engineering or technology related subject area and 5 years verifiable work experience, or
  - Two-year degree in engineering or technology related subject area and 10 years verifiable work experience.
- Plumbing Designer II:
  - Four-year degree in engineering or technology related subject area and 5 years verifiable work experience, or
  - Two-year degree in engineering or technology related subject area and 10 years verifiable work experience.

### **Working Conditions**

- Generally, work is in a typical office environment.
- Travel to client meetings is required.
- Travel to project sites and the ability to document existing conditions is required.
- Travel to construction sites and the ability to observe and document construction progress is required.
- Compliance with client and job site superintendent safety protocol is required.
  - Hard hats, safety toe shoes, hi-visibility vest, ear and eye protection are sometimes required to be used.
- Some evening and weekend work is required.

- Occasional overnight travel is required.

**Direct Reports**

- Production