

# Plumbing & Fire Protection Designer - Water Conservation and Sustainability Focus

## ENTRY LEVEL

### ABOUT US

At B2Q, we design sustainable, high-performance building systems that optimize water conservation, energy efficiency, and environmental impact. Our work spans higher education, healthcare, industrial, and pharmaceutical facilities, where we implement innovative plumbing, fire protection, and water reuse systems.

We are seeking an Entry-Level Plumbing & Fire Protection Designer to join our team. This role provides the opportunity to design and implement advanced water conservation solutions while collaborating with experienced engineers in a mentorship-driven, flexible work environment.

### ROLE OVERVIEW

As a Plumbing & Fire Protection Designer, you'll contribute to the evaluation and design of state of the art fire protection systems, high-performance plumbing, sanitary, stormwater, and gas systems, integrating innovative technologies to improve water efficiency and reduce environmental impact.

### WHAT YOU'LL BE DOING

- Assist in the design and development of advanced plumbing and fire protection systems for commercial, institutional, and industrial facilities.
- Perform engineering calculations for high-performance water treatment systems, including potable hot and cold water, WFI (Water for Injection), RO/DI (Reverse Osmosis/Deionized Water), gases, rainwater harvesting, and water reuse systems.
- Ensure compliance with local, state, and national plumbing codes (NFPA, ASPE, LEED, and WELL standards).
- Collaborate with mechanical, electrical, and sustainability engineers to integrate low-impact water solutions into building projects.
- Participate in fieldwork and site visits, documenting existing conditions and verifying installations.
- Stay up to date on emerging water conservation technologies and industry best practices.

### QUALIFICATIONS

- Bachelor's degree in Mechanical, Plumbing, or Fire Protection Engineering or a related field.
- Familiarity with Revit, AutoCAD, and BlueBeam.
- Strong analytical and problem-solving skills.
- Ability to thrive in a collaborative team environment.

### **WHY JOIN B2Q?**

- Hands-on mentorship and career development in sustainable engineering.
- A flexible, hybrid work environment that supports work-life balance.
- Work on cutting-edge projects that contribute to water reuse, carbon reduction, and sustainability goals.
- Opportunities for professional growth.

If you're looking to launch your career in plumbing and fire protection engineering with a focus on sustainability, we encourage you to apply!

### **HOW TO APPLY**

Interested candidates should submit a resume and cover letter to [bgahagan@b2qassociates.com](mailto:bgahagan@b2qassociates.com).

# Plumbing Engineering Intern - Water Conservation and Sustainability Focus

## ABOUT US

At B2Q, we design sustainable, high-performance building systems that optimize water conservation, energy efficiency, and environmental impact. Our work spans higher education, healthcare, industrial, and pharmaceutical facilities, where we implement innovative plumbing, fire protection, and water reuse systems.

We are seeking an Entry-Level Plumbing & Fire Protection Designer to join our team. This role provides the opportunity to design and implement advanced water conservation solutions while collaborating with experienced engineers in a mentorship-driven, flexible work environment.

## ROLE OVERVIEW

As a Plumbing/Fire Protection Engineering Intern, you'll play an important role in supporting our engineering team in designing and optimizing plumbing and fire protection systems with a strong focus on safety, sustainability, water reuse, and energy efficiency.

## WHAT YOU'LL BE DOING

- Assist in designing water-efficient plumbing and fire protection systems under the guidance of senior engineers.
- Support the development of rainwater harvesting, greywater recycling, and high-efficiency water treatment systems.
- Conduct research on plumbing codes, the National Fire Protection Association, and water conservation standards to support sustainable project development.
- Perform basic engineering calculations for plumbing, water, sanitary, and gas systems.
- Assist with AutoCAD, Revit, and BlueBeam design documentation.
- Participate in site visits and field investigations to observe real-world applications of engineering principles

## QUALIFICATIONS

- Currently pursuing a Bachelor's degree in Mechanical, Plumbing, or Fire Protection Engineering or a related field.
- Passion for water conservation, sustainability, and high-performance building systems.
- Strong research and analytical skills.
- Experience with Revit, AutoCAD, or BlueBeam is a plus.
- Ability to work collaboratively in a team environment and communicate effectively.

### **WHY JOIN B2Q?**

- Hands-on mentorship and training from experienced professionals.
- Work on sustainability-driven projects that promote water reuse, conservation, and energy efficiency.
- Gain experience in cutting-edge plumbing technology and water-saving innovations.
- A collaborative, flexible, and dynamic work environment that fosters learning and innovation.

### **HOW TO APPLY**

If you're ready to apply your passion for sustainability and engineering in a real-world setting, we encourage you to apply! Please email your resume with a cover letter to [bgahagan@b2qassociates.com](mailto:bgahagan@b2qassociates.com)