

Job Title: Fire Sprinkler Design Layout Technician

Location:

5555 W. Park Ave., St. Louis, MO 63110
5018 Voges Rd., Madison, WI 53718
Southern IL

Company Overview

Boyer Fire Protection is a leading fire protection contractor dedicated to protecting lives and property through high-quality sprinkler system design, installation, and service. We are seeking a Fire Sprinkler Design Layout Technician to join our team and support the successful planning and execution of fire protection systems across a variety of markets.

Position Overview

The Fire Sprinkler Designer reports to the V.P. of Design or Design Manager and is responsible for developing accurate, code-compliant fire sprinkler system designs. Using industry-standard software such as AutoCAD, Revit, and Hydratec, the Designer prepares complete design packages including submittal drawings, hydraulic calculations, fabrication stock lists, and valve charts to support prefabrication and approval from Authorities Having Jurisdiction (AHJs). This role works closely with internal teams and project stakeholders to coordinate design layouts, maintain clear communication, and ensure systems are buildable and aligned with project requirements.

Key Responsibilities

- Design and draft Fire Protection Systems in accordance with all applicable building codes and NFPA standards within the scope of the contract, while conforming piping arrangements to meet standard product or material usage as well as the most efficient installation, fabrication, and stock listing techniques.
- Prepare hydraulic calculations and seismic calculations for all required projects
- Coordinate with clients and internal teams on scheduling, design reviews, changes, and approvals.
- Conduct job-site surveys and maintain organized project records.
- Generate accurate stocklists for material and fabrication quotes.
- Participate in project turnover meetings, customer follow-ups, and site meetings as needed.
- Support project managers and field supervisors with technical input, scope revisions, and cost breakdowns.
- Assist with estimating, feasibility reviews, and design interpretations.
- Prepare electronic correspondence, valve charts, record drawings, and other closeout documentation.
- Perform additional tasks as directed by the VP of Design or Design Manager.
- Other duties as assigned.



Qualifications

- Minimum Associate Degree in Construction, Structure, Mechanical, Architectural, or Fire Protection
- Minimum of 3 years' experience with Fire Sprinkler Design
- Proficient with AutoCAD / HydaCAD, AutoSPRINK, or Revit / HydraCAD drawing softwares
- Has designed many different project types (ESFR, Residential with CPVC, Fire Pumps, Standpipes, Retrofit, Attics, Pre-action)
- Able to design any project with minimal supervision and reviews
- NICET II Certification and some BIM exposure preferred
- Strong problem-solving, organizational, and communication skills
- High level of self-discipline, motivation, and teamwork

How to Apply

Interested candidates should send their resume and cover letter to hr@boyerfire.com or fill out the form [here](#).

Boyer Fire Protection is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees.

Benefits

Health Insurance, HSAs and FSAs, Dental & Vision Insurance, Life Insurance, 401(k) with Company Match, Profit Sharing, Paid Time Off (PTO), Professional Development, Referral Program, and more.

