

Job Title: Senior Fire Sprinkler Designer

Location: 5555 W. Park Ave., St. Louis, MO

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 an experienced Senior Fire Sprinkler Designer to join our team and support the successful planning and execution of fire protection systems across a variety of markets.

Position Overview

The Senior Fire Sprinkler Designer supports safe, efficient, and code-compliant construction projects by developing accurate fire sprinkler system designs. This role works closely with project managers, field teams, general contractors, and Authorities Having Jurisdiction (AHJs) to ensure systems are buildable and aligned with project requirements. Using industry-standard software, the Senior Designer produces complete design packages including submittal drawings, hydraulic calculations, fabrication stock lists, and record drawings.

This position also collaborates with sales and estimating teams on select projects and helps ensure designs transition smoothly into fabrication and installation. In addition to technical responsibilities, the Senior Designer mentors Design Technicians and Design Technician Trainees, supporting the growth of the next generation of fire protection professionals.

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 and seismic calculations as required.
- Coordinate with clients, internal teams, and vendors on project details, schedules, and changes.
- Obtain required design approvals and maintain organized project records.
- Generate accurate stocklists for material and fabrication quotes.
- Participate in turnover meetings and assist with customer follow-ups post-award.
- Support project management and field teams with technical input and scope revisions.
- Assist with estimating, feasibility reviews, and technical interpretations as needed.
- Prepare all project documentation, including Valve Charts and Record Drawings.
- Communicate via appropriate electronic correspondence and maintain regular check-ins with sales and design leadership.
- Source competitive vendor quotes and subcontractor pricing to support bids.
- Contribute to bid strategy, preliminary design, and full cost estimates.
- Review and finalize estimates with sales staff and prepare customer quotations.



- Follow up on bids and actively manage awarded projects from design through completion.
- Perform other duties as assigned.

Qualifications

- Minimum Associate Degree in Construction, Structure, Mechanical, Architectural, or Fire Protection
- Minimum of 8 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 no supervision and minimal reviews
- NICET III or IV Certification and BIM Experience 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.

