

## Job Description

### **Fire Protection Systems Designer**

**Position Summary:** Competently design and specify either fire suppression systems including wet-pipe, dry-pipe, pre-action, deluge, fire pumps, and storage tanks on a wide variety of project types. Some knowledge of special systems such as foam, spray, mist, clean agent, wet/dry chemical, and carbon dioxide is preferred. Perform hydraulic calculations in accordance with various NFPA standards OR voltage drop, battery sizing, amplifier sizing, decibel loss, and various other low-voltage electronics calculations. Assist in preparation of comprehensive fire protection packages including fire suppression, fire alarm, smoke evacuation, and life safety. Perform ICC, NFPA, or other code analyses. Assist with and write technical reports that are clear and understandable. Apply sound fire protection engineering principles to assist in troubleshooting and solving client related problems. Perform construction site visits for review of system installation and comparison to construction documents and shop drawings. Assist field personnel in resolving design related installation issues. Position requires an experienced and competent individual capable of successfully solving challenging problems requiring adaptation and modification of standard techniques, procedures or criteria. Additional experience with fire alarm, mass notification, security, and other low-voltage life-safety systems is a plus.

### **Job Requirements:**

- 1-5 years of systems design experience in commercial construction projects
- Proficient in AutoCAD, HydraCAD, AutoSprink, KY Pipe, REVIT or other discipline related software
- Proficient in Microsoft Office software such as Word, Excel, and Outlook
- BIM coordination and NAVISworks experience is a plus
- NICET certified in discipline specialty is a plus, but is not required
- Experience putting together project data
- Experience designing new systems for both wet and dry protection and special hazard systems
- Experience analyzing, reviewing, and interpreting engineered construction documents such as project specifications and systems design drawings
- Experience analyzing, reviewing, and interpreting contract documents