

Job Description

Systems Designer II (Senior Systems Designer)

Position Summary: Competently design and specify fire suppression systems including wet-pipe, dry-pipe, pre-action, deluge, fire pumps, and storage tanks. Competently design fire alarm, mass notification, security, and other low-voltage life-safety systems on a wide variety of project types. Working knowledge of special systems such as foam, spray, mist, clean agent, wet/dry chemical, and carbon dioxide is expected. Perform hydraulic calculations in accordance with various NFPA standards. Perform 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. 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, with the ability to professionally communicate both verbally and in written format.

Job Requirements:

- 10 years of systems design experience in commercial construction projects
- Proficient in AutoCAD, HydraCAD, AlarmCAD, AutoSprink, EASE 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 or CFPS certification 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
- Experience writing and compiling complex engineering reports