



FIRE SPRINKLER DESIGNER JOB DESCRIPTION

Job Responsibilities include but are not limited to:

- Design and layout sprinkler systems using specialized CAD software packages that are based on the AutoCAD platform.
- Coordinate sprinkler system piping with other building components. Perform hydraulic calculations.
- Read and interpret construction documents, including drawings, specifications, and contracts.
- Interpret and apply applicable NFPA standards to the design and/or layout of the sprinkler systems based on the building type, construction type, hazard classification and architectural features.
- Perform field check of completed design to verify accuracy, if required.
- Work closely with the Estimation department, Design Manager, and Operations Manager to review the scope sheet and requirements of each project.
- Coordinate projects to meet delivery dates.
- Communicate with AHJs, contractors, and other trades.
- Coordinate with team members for listing of required materials.
- Coordinate with team members for permitting and inspection requirements.
- Actively participate in predesign and review meetings.
- Identify opportunities for cost-saving measures and quality improvement
- Adhere to company safety policies and procedures to ensure all duties are performed in a safe and professional manner
- Provide outstanding customer service
- Other duties as assigned

Knowledge:

- High School diploma or GED is required
- Must have experience with designing fire sprinkler systems
- NICET Level I - IV certification is preferred.

Work Experience:

- Minimum Experience: 2+ years Fire Protection Design experience or a Fire Sprinkler Design Degree

Skills and Competencies:

- Proficient in AutoCAD and Microsoft Office is required. HydraCAD is preferred.
- Visualizes 3D concepts and solves basic mathematic problems, including geometry and algebra
- Proficient in interpreting and applying applicable NFPA standards, and in reading and interpreting construction documents.



- Must obtain and retain any licenses that are required by national, state/province, and local codes.
- Experience with a variety of system types and manufacturers
- Strong knowledge of industry codes such as IFC, NFPA, IBC, and NEC
- Ability to read and interpret architectural, electrical, and mechanical drawings
- Ability to maintain accurate and auditable records
- Ability to work in a fast-paced service/construction team environment
- Attention to detail with emphasis on accuracy and quality
- Excellent verbal and written communication skills
- Proficiency in Microsoft Office, including Word, Excel, and Outlook
- Ability to travel as needed

Physical Requirements

- 75% Office Setting, including sitting, some bending, some lifting, walking and viewing
- 25% driving

ACKNOWLEDGEMENT:

The Employee is expected to comply with and support the enforcement of Allied Fire Protections policies, applicable regulatory and statutory requirements.

I have read and understand this explanation and job description.

Employee Signature: _____ Date: _____

Human Resources Signature: _____ Date: _____