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**SPRINKLER CORPORATION**

5036 Clairemont Dr.  
Appleton, WI 54913

Office: (920) 757-9590  
Fax: (920) 757-9591

**Job Title:** Design Engineer  
**Reports To:** Director of Engineering

**SUMMARY**

The Designer is responsible for the design of each fire protection system, and carrying out all steps to ensure quality and compliance; coordinates with Director of Engineering and Salesperson.

**Job Description**

- Design water-based automatic fire sprinkler systems per contract specifications, NFPA, State and Local codes.
- Work with sales staff to manage contract changes or discrepancies.
- Make site visits and communicate with all trades (general contractors, construction managers, owner, insurance underwriter and AHJ) to achieve system acceptance.
- Interpret contract drawings (same as blueprints) and specifications and provide layout of code compliant systems in addition to hydraulic calculations and stock listing materials.
- Finalizes fabrication techniques with Director of Engineering and Salesperson.
- Completes final shop drawings showing all pertinent information.
- Compiles foreman's envelope including all necessary forms and paperwork.

**Qualifications**

- Must have extensive knowledge of various types of projects, sprinkler systems, equipment and design, including commercial, industrial and residential applications.
  - Must understand contract documents and specifications.
  - Must have the ability to complete site survey, with full knowledge of all construction codes, identify code issues and solutions.
  - Must have working knowledge of HydraCAD, AutoCAD and/or other fire protection design software.
  - NICET Level II certification preferred.
  - Project management experience preferred.
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**Education/Experience**

- Minimum Associate Degree in Fire Protection Design preferred.
- Minimum 3 years' experience in designing and engineering is preferred.

**Physical Demands**

- Ability to communicate clearly.
- The person in this position needs to occasionally move about inside the office to access file cabinets, office machinery, etc.
- Constantly operates a computer and other office machinery, such as a calculator, copy machine, and computer printer.
- Must be able to position oneself into various spaces as job requires.
- Frequent moving up to 10 pounds.
- Occasional moving up to 25 pounds.
- Must be able to read and comprehend blueprints and/or schematics.

**Work Environment**

Noise level is low in office.  
Eye, ear and feet protection may be necessary at times.  
Occasional exposure to job site hazards.  
Occasional exposure to fabrication shop.  
May work in varying temperatures when visiting job sites.