Fire Life Safety Designer – Chadds Ford, PA

Overview

For over 36 years Arora has specialized in providing engineering and technology services tailored for clients in a variety of market sectors. Our team continuously looks forward and works relentlessly to supply intelligent infrastructure solutions to all that we serve. Understanding our clients’ current and future needs and challenges is what drives us.

Arora has been serving the aviation industry for decades, designing billions of dollars of construction for airside and landside facilities at over 85 airports, including Philadelphia International Airport, John F. Kennedy International Airport, Los Angeles International Airport, Boston Logan International Airport, Dallas/Fort Worth International Airport, and more.

Arora also has extensive experience in transportation infrastructures - their planning, design, construction, maintenance, and security. We have provided expert engineering and construction phase services for clients including Amtrak, Massachusetts Bay Transportation Authority, Port Authority of NY & NJ, Southeastern Pennsylvania Transportation Authority, Washington Metropolitan Area Transit Authority, and more.

Arora has also been the recipient of several prestigious awards and honors. Arora was also thrilled to place 17th out of the over 100,000 fastest-growing companies on the Zweig Group’s 2021 Hot Firm List, demonstrating the firm’s growth and continued progress.

Life At Arora

At Arora we work hard, but we also take time to have fun. We hold several events throughout the year to celebrate our personal and professional successes. Arora also sponsors and participates in numerous charitable events throughout the year. We encourage our staff to contribute to philanthropic efforts that make a difference to our local and national communities.

At Arora, we strive to create a sense of belonging amongst our employees, which we believe leads to greater employee engagement. Arora’s growth and success would not be possible without its greatest asset – our talented staff.

Overall Responsibility:

We are seeking a full-time Fire/Life Safety Designer for our office in Chadds Ford, PA! The candidate shall support the fire/life safety (FLS) team in executing Arora’s mission of “Improving the quality of life by Rethinking Infrastructure”. They shall support Arora’s licensed Fire Protection Engineers and NICET certified designers in their everyday objective of meeting the client’s needs. The candidate shall demonstrate strong communication skills, an analytical approach to problem solving, a curiosity to learn, and passion for the fire/life safety profession.

Essential Functions:

- In coordination with the Fire/Life Safety Department Head, Fire Protection Engineers and Designers, will meet to discuss project scope, scheduling, phasing, staging specific site issues and pertinent code issues.


- Provides technically accurate, complete construction documents to the client that adheres to all code requirements, company specifications and the engineering standards of practice.
- Provides conceptual, working, and detailed design of fire alarm systems for new and existing facilities.
- Performs site surveys, inspections, and generates punch lists.

Qualifications:

**Preferred Education/Experience:** Bachelor’s Degree in Fire Protection Engineering or Fire Protection Engineering Technology with 0-3 years’ experience in fire protection engineering related work. *Open to Entry-Level candidates.*

**Education/Experience Minimum:** Associates Degree in Engineering Technology or Computer Aided Drafting and Design (CADD) with 3 years’ experience directly related to fire protection.

**Preferred Certifications:** Engineering in Training (EIT); NICET Level II certification in Water Based System Layout; Certified Fire Protection Specialist (CFPS); NICET Certification in Special Hazard Suppression Systems, Inspection, Testing and Maintenance of Water-Based Systems or Fire Alarm Systems.

**Needed Skills:**

- Detailed fire protection design knowledge as it applies to water-based fire protection systems, including but not limited to, water supplies, sprinkler layout, standpipe design and system interfaces.
- Must be intimately familiar with NFPA 13 and 14, including differences between versions, recent updates, and the intent of the code.
- Knowledgeable in array of NFPA codes and standards, including, but not limited to: 20, 30, 72, 92, 101, 110, 130, 415, 502 and 2001.
- Familiar with model building codes and their fire protection requirements.
- Familiar with local building codes and their fire protection requirements.
- Proficient in AutoCAD 2008 or higher, proficient in Revit 2012 and knowledge of MS Office Suite.
- Familiar with passive building fire protection, including fire rated construction, fire stopping, fire rated doors and windows.
- Has general knowledge of fire protection engineering, including suppression, fire detection, mass notification, hazard analysis, egress, code consulting, fire dynamics, smoke management, and egress systems.
- Candidate should be able to orally communicate complex design and technical ideas to other designers and engineers as well as people with a nontechnical background.
- Candidate must possess excellent writing skills, capable of writing reports, letters, and facilitating effective internal and external communication.

**ABOUT THE ORGANIZATION: ARORA ENGINEERS (ARORA)** - Arora provides clients in the aviation, transportation, education, government, and commercial/institutional sectors with
engineering services for intelligent infrastructure solutions. Through smart design, construction
management, and facilities maintenance management, we rethink industry needs to help keep
clients on the cutting edge and add value to a project. Arora is a growing firm that welcomes
individuals with a thirst for knowledge and the energy to tackle projects that help take the
infrastructure of our world to the next level.

EOE STATEMENT: Arora Engineers, including its subsidiaries, are an equal employment
opportunity employer. All qualified applicants will receive consideration for employment without
regard to race, color, religion, gender, national origin, disability status, protected veteran status
or any other characteristic protected by law.