

Overview

LEO A DALY is a leader in the design of the built environment dedicated to transforming the human experience through the power of design. For more than 100 years, we've created places that inspire wonder, connect communities and enable great things. Our creative teams combine planning, architecture, engineering, interiors and program management to deliver truly integrated design.

We are a diverse collection of inventive problem solvers united by a passion for great design.

We own the impact of our work, socially, economically and environmentally. In collaboration with our clients and each other, we create innovative, thoughtful and sustainable solutions to the urgent challenges that face our world.

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Responsibilities

This position is responsible for advising and assisting multiple teams of architects and engineers throughout the facility design for private and public organizations to safeguard life and property against fire, explosion, and related hazards. This position will also be responsible for designing and recommending materials and/or equipment, such as structural components protection, fire-detection equipment, alarm systems, fire extinguishing devices and systems, height/area calculations, and egress modeling and the necessary materials, equipment, and methods for alleviation of conditions conducive to fire. Additionally, this position will be involved in growth opportunities for the Fire Protection Discipline at LEO A DALY in order to expand the business by finding new opportunities in consulting engineering and performance-based design.

- Utilize sound engineering judgment and experience in developing appropriate engineering solutions, recommendations and designs.
- Stay knowledgeable of the current National Fire Protection Association (NFPA) standards including the Life Safety Code (101) and national building and fire codes (Uniform, International, etc.).
- Competently evaluate both existing building construction and tentative new building designs for identifying fire/life safety deficiencies, necessary fire prevention, protection, detection, and suppression requirements for architectural, mechanical plumbing and electrical designs, as well as design equivalency comparisons.
- Demonstrate a high level of competency with stairwell pressurization mechanical systems, atrium smoke control/evacuation mechanical systems, and high-rise building smoke control designs and control sequences for related mechanical systems.
- Provide a working knowledge of fire/smoke detection and alarm systems, including incipient stage smoke detection and alarm systems.
- Possess design competency in wet pipe, dry pipe, and pre-action automatic fire sprinkler suppression systems, as well as clean agent total flooding suppression systems (FM200, FE25, Inergen, NOVEC, etc.) and fire alarm/mass notification systems.

- Establish basis of design for necessary fire protection systems and prepares complete specifications, technical studies and reports.
- Perform hydraulic calculations, selects fire protection system equipment, and develops layouts for piping, heads, and nozzles.
- Design and assists in the production of documents as needed to meet project schedules. Provides Quality Assurance/Quality Control (QA/QC) reviews for architectural and engineering discipline documents to identify areas of conflict with all disciplines, as well as deficiencies in fire protection engineering design.
- Participate in prospective new client shortlist interviews, existing client in-progress review meetings, and construction administration project phases by processing shop drawings, responding to RFI's, and performing site visits during the construction phase.
- Monitor and tracks project progress.
- Coordinate with architects, interior designers, team engineers (mechanical, electrical, structural, and civil) and specialty sub-consultants.
- Assist Director of Fire Protection Engineering with training and mentoring of departmental staff on topics and issues relevant to fire protection design
- Perform other duties as assigned or instructed

Qualifications

- Bachelor's Degree from an accredited college or university in Fire Protection Engineering or Mechanical Engineering; Master's Degree or other advanced education is a plus.
- Professional expertise demonstrated through 4+ years of progressive experience in fire suppression, detection and/or notification system design and complete building plan review.
- While licensure as a Fire Protection Engineer (PE) is preferred, non-licensed individuals with a high level of competency in building codes and life safety will be considered.
- Ability to communicate effectively and tactfully with department personnel, internal office staff, and clientele.
- Ability to successfully and continuously advise a team of architectural and engineering professionals.
- Extensive knowledge of Fire Protection building codes.
- Effective time management and organizational skills; ability to coordinate in-depth fire protection work on multiple projects simultaneously while managing daily activities.
- Well-developed analytical and problem-solving skills.
- Knowledge of capabilities of AutoCAD, Revit, and fire suppression. Software. Strong with use of Microsoft Office applications; experience with Deltek Vision CRM is a plus.
- Excellent time management and organization skills; ability to multi-task.

EEO Information

LEO A DALY Company is an Equal Opportunity Employer and gives consideration for employment to qualified applicants for employment without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status. LEO A DALY Company, is committed to ensuring equal employment opportunities, including providing reasonable accommodations to individuals with a disability. Applicants with a physical or mental disability who require a reasonable accommodation for any part of the application or hiring

process may contact the Human Resources Department by phone at 469-357-4232 or by email at Recruiting@LEOADALY.com . For more information about your rights under the law, see [EEO is the law](#).