

Tampa Bay area Fire Protection Engineering firm seeks a full time **Fire Protection System CAD Designer** for its *Plant City* office. We are a specialty engineering firm with locations in Plant City and Clearwater that provides fire protection design and consulting services to local contractors, owners, architects, and the government.

To apply, please forward resume and cover letter to [careers@hatcherengineering.com](mailto:careers@hatcherengineering.com).

**Position Summary:** Under supervision of our principal Fire Protection Engineer, performs a variety of fire protection duties associated with the planning, analysis, and design of assigned fire protection projects (fire sprinkler and/or fire alarm) primarily for new construction and facility renovation projects.

**Required Availability:** Must be available to work onsite a minimum of 32 hours per week.

**Essential Functions include, but are not limited to:**

- Creates, prepares, and updates semi-complex design layouts and schematic drawings of fire sprinkler systems and fire alarm systems for buildings and structures using AutoCAD software.
- Participates in determining specifications necessary for layouts and drawings; including maintaining current industry practices and any client specific requirements.
- Performs hydraulic calculations related to fire protection piping systems using industry standard software.
- Performs basic electrical calculations related to fire alarm systems using industry standard software.
- Studies and maintains knowledge in Building codes and NFPA standards related to the building construction and fire protection industry.
- Assists senior designers with basic project management related to assigned projects. Effectively identifying problems as they occur and taking appropriate steps to solve them in situations where the problem is not difficult or complex. Refers complex, unusual problems to Engineering leads.
- Participates in the review of produced works and creation of supporting documents for adherence to drafting standards.
- Attends meetings, compiles report data, and provides supporting presentations to manager and clients.
- Occasionally performs site inspections and generates field reports.
- Acts a dependable team player ready to learn and assist in whatever capacity is needed.
- Other duties as assigned.

**Qualifications:**

- Basic knowledge and 1-2 years of experience in design of fire protection systems preferred.
- Moderate level of experience using AutoCAD (2013 or more recent) required. Revit experience preferred.
- Mechanical or architectural drafting and design, Building Information Modeling (BIM) experience preferred.
- EIT, Bachelors, or Associate degree in Fire Protection or Mechanical Engineering program or certified technical training preferred.

- Strong mechanical or electrical engineering design aptitude preferred.
- Interest in developing and/or expanding your career in fire protection design.
- High School diploma or equivalent required.
- Authorization to work in the United States required.

#### **Additional Skills / Knowledge Requirements:**

- Must be highly proficient with computers and typical standard office software, including Microsoft Office Suite, Adobe Acrobat, and CAD programs.
- Working knowledge of drafting standards, operations, methods, and practices.
- Basic understanding of building construction and methods of construction.
- Ability to read & interpret contract drawings and customer sketches.
- Ability to create and modify drawings in CAD software.
- Ability to read and understand units of measurement and perform general mathematical equations.
- Ability to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists.
- Willingness to continually learn and adapt to changes.
- Must have a positive attitude, strong work ethic, and the ability to work as part of a team with little oversight and direction needed.
- Must be self-motivated, detailed-oriented, and work well under tight deadlines.
- Self-starter, motivated with ability to start and finish a project on time.
- Must have strong communication skills and the ability to effectively interface with clients and work collaboratively with peers.

#### **Working Conditions and Physical Requirements**

- Position will spend the majority of time working in a climate-controlled office setting.
- Must be able to work in a variety of physical positions, including sitting for long period of time as well as bending, standing, and walking.
- Travel to client sites will be required on an occasional basis, which could include field work in all outdoor weather conditions.
- Must be able to lift a minimum of 40 pounds and climb ladders.
- Must have the ability to use telephone and computer to communicate and follow written and verbal instructions.

#### **Benefits**

Our full-time positions offer competitive wages and benefits, as well as opportunities for additional training and advancement. We strive to create a rewarding work experience for our staff and provide in-house training, support professional development opportunities outside of work, and encourage participation in professional organizations.

#### **About Us**

Hatcher Engineering, Inc. (HEI) specializes in offering fire protection engineering and consulting services to a broad range of clients in the construction industry and property management business. With offices in both Plant City and Clearwater, we are conveniently located about 30 minutes from downtown Tampa. HEI has been in business since 2009 and is a certified Small Business Entity (SBE) in the City of Tampa and Hillsborough County.

We provide professional engineering services primarily in Florida, but our principal engineer is licensed in 13 states. We strive to hire fire protection professionals who are dedicated to providing quality client service. Our services include, but are not limited to, hazard analysis, fire sprinkler and suppression system design, fire alarm and mass notification system design, special hazard system design, 3rd party plan review, and building code \ life safety code consulting.

We are an equal opportunity employer working to ensure that employees are treated during employment without regard to their race, color, religion, sex, gender identity or sexual orientation, national origin, age, marital status, genetic information, disability, or protected veteran status.

Please visit our website at [www.hatcherengineering.com](http://www.hatcherengineering.com) to learn more.