

**RICHARD W. LYONS, P.E.**  
1831 N. Belcher Road, Suite F-4  
Clearwater, FL 33765  
Phone: (727) 351-5771  
Email: [rwl@hatcherengineering.com](mailto:rwl@hatcherengineering.com)



**LICENSES AND CERTIFICATIONS:**

- Registered Professional Engineer (Jan. 2017): Florida P.E. License No. 82374  
Passed the NCEES exam in Fire Protection Engineering to obtain licensure.
- NICET Level II in Water-Based (formerly Automatic Sprinkler) Systems Layout (Feb. 2015) Certificate No. 139734

**FORMAL EDUCATION:**

- B.S. Mechanical Engineering (B.S.M.E.), University of South Florida, Tampa, FL. May 2009

**WORK EXPERIENCE:**

*01/17 – Present* **Fire Protection Engineer:** Hatcher Engineering, Inc.,  
Clearwater, FL

- Responsible for the engineering design and job specifications for fire suppression and fire alarm / notification systems
- Contractor shop drawing review, construction administration (when applicable), and quality control review of company design documents
- Create shop drawings for automatic fire sprinkler systems using AutoCAD and Revit with the overlay program HydraCAD
- Coordinate projects with other trades using 3D models and clash detection in Navisworks Manage
- Perform field surveys and inspections of existing fire protection systems

*09/11 – 01/17* **Fire Protection System Designer, Engineer-In-Training:** Hatcher Engineering, Inc.,  
Plant City, FL

- Create engineering design drawings for fire suppression and fire alarm / notification systems
- Create shop drawings for automatic fire sprinkler systems using AutoCAD with the overlay program HydraCAD
- Perform hydraulic calculations and stocklisting of automatic fire sprinkler systems using HydraCALC and HydraLIST, respectively
- Coordinate projects with other trades using 3D models and clash detection in Navisworks Manage
- Perform field surveys of existing fire sprinkler and fire alarm systems

*12/07 – 12/11* **Draftsman, Web Designer:** Florida Drafting Group

- Assist in the creation of HVAC, Mechanical Piping and Plumbing shop drawings using AutoCAD with the overlay program DrawTech
- Review and organize equipment submittals
- Create equipment blocks
- Develop and maintain online presence including FTP site and web site
- Assist in maintaining computer network

**PROFESSIONAL AFFILIATIONS:**

- Society of Fire Protection Engineers (SFPE)
- National Fire Protection Association (NFPA)

**WEB SITES:**

<http://www.linkedin.com/in/richardwlyons>  
<http://www.hatcherengineering.com>