



# Richard W. Lyons, P.E.

## Fire Protection Engineer – Oldsmar Office Manager

Richard Lyons brings more than 14 years of fire protection engineering and fire suppression design experience to Hatcher Engineering. In his dual roles as Fire Protection Engineer and Branch Office Manager, Richard is responsible for engineering, estimating and sales, and oversees the project design and coordination for the Oldsmar office location.

### Employment History:

#### EDUCATION

B.S., Mechanical Engineering, University of South Florida, 2009

#### YEARS OF EXPERIENCE

14 — Hatcher Engineering  
18 — Total

#### CERTIFICATIONS

Certified NICET Level 3,  
Water-Based Layout  
(formerly Automatic  
Sprinkler), License No.  
139734

Professional Engineer  
licensed in Florida

#### PROFESSIONAL AFFILIATIONS

Society of Fire  
Protection Engineers  
(SFPE)

National Fire Protection  
Association (NFPA)

#### FIRE PROTECTION ENGINEER, Hatcher Engineering, Inc.

2017 – Present

- 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
- Independent 3rd Party Review of fire protection systems, life safety systems, and safety regulations (NFPA, UFC, OSHA, EPA) for various projects.
- Performs field surveys and inspections of fire protection systems and fire protection related building systems.
- Managing Engineer for Hatcher Engineering's Oldsmar location

#### FIRE PROTECTION SYSTEM DESIGNER, Hatcher Engineering, Inc.

2011 – 2017

- 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

#### DRAFTSMAN, WEB DESIGNER, Florida Drafting Group

2007 - 2011

- 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