



PERSONNEL QUALIFICATIONS

Tyler Dallas | Associate III



EDUCATION

- Oklahoma State University
 - Bachelor of Science, Fire Protection and Safety Engineering Technology, 2020

PRACTICE AREAS

- Fire Protection Engineering
- Loss Investigation and Litigation Support
- Fire Protection Systems Design, Analysis, and Consulting
- Passive Fire Protection Consulting
- Fire, Life Safety, and Egress Assessments
- Building Code, Fire Code, and NFPA Codes and Standards Consulting
- Egress Modeling and Analysis
- Performance-Based Design

REGISTRATIONS

- IFC Certified Firestop Inspector - Premier

PROFESSIONAL AFFILIATIONS

- National Fire Protection Association
- Society of Fire Protection Engineers, Student Outreach Subcommittee

CONTACT

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EXPERIENCE

Tyler Dallas joined WJE in 2021 and has contributed to projects involving: loss investigations; fire protection systems design, analysis, and consulting; performance-based designs; litigation support; egress modeling; building and fire code analysis; passive fire protection consulting; and third-party code administration. Mr. Dallas provides a unique perspective on fire protection engineering through his experience as a volunteer firefighter and working with a fire marshal.

REPRESENTATIVE PROJECTS

Loss Investigation and Litigation Support

- Eagle Island View Condominiums - Prairie du Sac, WI: Fire sprinkler leakage loss investigation and fire code analysis
- Warehouse Building - IN: Fire loss investigation
- 1221 Fulton Mall - Fresno, CA: Domestic water leakage investigation, fire resistance-rated construction analysis, and building code analysis
- Warehouse Building - IL: Fire loss investigation
- Hospital - MA: Building code analysis focused on exterior wall materials
- High-Rise Building - Chicago, IL: Fire loss investigation and building code analysis focused on exterior wall materials

Fire Protection Systems Design, Analysis, and Consulting

- Grove Terrace Condominiums - Buffalo Grove, IL: Fire alarm system evaluation, code analysis, and upgrade design
- Guaranteed Rate Field - Chicago, IL: Fire alarm system replacement design consultation
- Commerce Plaza - Oak Brook, IL: Fire sprinkler system hydraulic analysis
- Spence School - New York, NY: Fire alarm/carbon monoxide detection system design
- Pinnacle Tower - Farmers Branch, TX: Fire alarm system replacement consulting
- Downes Manor Apartments - Highland Park, MI: Fire alarm system replacement design
- Columbia University - New York, NY: Fire alarm system consulting during construction and acceptance testing for multiple residential buildings

Passive Fire Protection Consulting

- Eagleton - St. Louis, MO: Fire separation assessment and through-penetration fire barrier analysis
- Illinois State University, Watterson Towers - Normal: Fire separation assessment and through-penetration fire barrier analysis
- Robert C. Weaver Federal Building - Washington, D.C.: Perimeter fire barrier analysis
- 320 West South Street - Raleigh, NC: Perimeter fire barrier analysis focused on exterior wall joints
- 525 West Monroe Street - Chicago, IL: Perimeter fire barrier analysis
- Olde Town Residences - Arvada, CO: Column through-penetration analysis
- Anthology Senior Living - Mayfield Heights, OH: Shower membrane penetration analysis

Fire, Life Safety, and Egress Assessments

- The Shops at North Bridge - Chicago, IL: Fire protection and life safety systems assessment; building code analysis
- University of Chicago - IL: Fire protection and life safety systems assessment; building code analysis
- Hyde Park Bank - Chicago, IL: Fire protection and life safety systems assessment; building code analysis
- Riverbank Apartments - New York, NY: Fire protection and life safety systems assessment; building code analysis
- Advocate Illinois Masonic Center for Advanced Care - Chicago: Building code and life safety code analysis
- Four Winds Casino - South Bend, IN: Comprehensive third-party code administration during design and construction period
- Columbia University - New York, NY: Fire protection and emergency plan development for high-rise office and assembly building

Egress Modeling and Analysis

- High-Rise Building - Chicago, IL: Egress modeling and analysis of proposed occupant load increase on assembly level of high-rise building