Edward Noonan | Fire Investigator/Master Electrician, **NAFI-CFEI, IAAI-CFI**

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Professional Summary:

Combining 30 years of fire inspections, suppression, and investigations, along with 30 years of electrical installations and service in residential, commercial, and industrial settings. Expertise in the fire investigation field in origin and cause. Expertise in electrical investigations relating to fire loss and personal injury. Court certified expert in both fire investigation and electrical installation/inspection.

Licenses and Certifications:

IAAI-CFI, License # 20-050661
NAFI-CFEI, License # 20933-16791
Journeyman Electrical License E34110
Master Electrical License A16411
Certified Fire Investigator, MA Public Safety, Pro Board Certified

Project Experience:

Multi-million-dollar loss of 150-year-old church. Thorough investigation into the fire's origin, resulted in extensive electrical investigation, revealing design flaw with prominent manufacturer of electrical panel and main breaker.

Fire origin and cause investigation of multi-family home which resulted in a fatality. The fire scene was made to look like an accidental electrical fire cause. A detailed electrical inspection of the premises, including arc mapping, resulted in what appeared to be an accidental fire being identified as an intentional act. Person of interest charged.

Large fire loss in multi-story commercial building. Fire origin and cause investigation led to discovery of specific computer equipment failing, resulting in fire. Co-ordinate and work along Electrical Engineers and Law Firm to recover costs associated with loss.

Residential fire loss with personal injury. Fire origin and cause investigation led to discovery of electrical installation failure. Scene investigation, lab examination, and legal proceedings led to financial recovery for insurance company and insured.

Professional Experience:

EFI Global Investigations, Origin and Cause/Electrical Investigator, Fall River, MA 2009-present
Foxborough Fire and Rescue, Fire Captain 1986 – 2022 Retired
Noonan Electric, Owner/Operator, 1987 – present

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Commonwealth of Massachusetts, District One Hazardous Materials Response Team, Certified Hazardous Materials Technician 1995-2022 Retired
Commonwealth of Massachusetts, State Fire Marshals Office, Electrical Investigator Retired
Foxborough Fire and Rescue, Fire Alarm Supervisor, 2009-present

Specialized Education:

Hazwoper Refresher, EFI Global webinar, 2025

IAAI CFI Trainer Tested Courses:
MA IAAI 3-day annual seminar, "Fatal Fires Investigation: How the Human Body Burns and What is Left for Investigators," 24 hr. tested, September 2026
MA IAAI 3-day annual seminar "Residential Kitchen Fires," 24 hrs. tested, September 2025
MA IAAI Fatal Fire Investigations. September 23-September 25. 2026. 24 hrs
Digital Photography and the Fire Investigator, 4 hrs., 2025
Explosion Dynamics, 4 hrs., 2025
Fundamentals of Residential Building Construction, 3 hrs., 2025
The HAZWOPER Standard, 4 hrs., 2025
Lightning Fundamentals, 3 hrs., 2025
Motive, Means, and Opportunity: Determining Responsibility in an Arson Case, 4hrs., 2025
Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems, 3 hrs., 2025
Motor Vehicles: Transmission, Exhaust, Brake, and Accessory Systems, 3 hrs., 2025
NFPA 1033 & 921: 2022/2021 Editions Important Updates, 3 hrs., 2025
NFPA 1033 and Your Career, 2 hrs., 2025
Personal Protective Equipment for Post-Fire Scenes, 3 hrs., 2025
Photovoltaic Cells & Systems, 3 hrs., 2025
Site Safety Assessment, 3 hrs., 2025
Understanding the Fire Investigator's Job: A Guide for Non-Investigators, 3 hrs., 2025
Vacant and Abandoned Buildings: Hazards and Solutions, 4 hrs., 2025
What the Insurance Professional Needs to Know About Fire Investigation, 3hrs., 2025
Fire Investigation for the Insurance Industry, 31 hrs., 2025
Fire Investigation Safety, 29 hrs., 2025
Principles of Fire Investigation, 67 hrs., 2025
The Deposition Part 1: Format, Content, and Preparation, 3 hrs., 2024
The Deposition Part 2: Questioning Tactics and Effective Responses, 3 hrs., 2024
MagneTek: A Case Study In The Daubert Challenge, 2 hrs., 2024
Fire Effects Part 1: Heat Effects on Fuels, 3 hrs., 2023
Insurance and the Fire Investigation, 4 hrs., 2021
Introduction to Appliances, 3hrs., 2021
Emerging Technologies in Fire Investigation, 3 hrs., 2021
Ethical Duties Beyond the Fire Scene, 3 hrs., 2021
Ethics and the Fire Investigator, 3 hrs., 2021
Fire Chemistry, 3 hrs., 2021
Introduction to Appliances, 3hrs., 2021
Understanding Undetermined, 3 hrs., 2021
Understanding Undetermined, 3 hrs., 2021
Insurance and the Fire Investigation, 4 hrs., 2021
Introduction to Appliances, 3hrs., 2021
Understanding Undetermined, 3 hrs., 2021
Communicating the Value of Membership in the IAAI, 2020
Critical Evaluation and Testing of Commonly Reported Accidental Causes, 3 hrs., 2020
Charting Your Career Path In Fire Investigation, 3 hrs., 2020
Discovery in Civil Cases, 3 hrs., 2020
Discovery in Criminal Cases, 3 hrs., 2020

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Documenting the Event, 4 hrs., 2020
Fire Investigator Scene Safety, 3 hrs., 2020
How First Responders Impact The Fire Investigation, 2 hrs., 2020
Introduction to Youth-Set Fires, 3 hrs., 2020
Writing the Initial Origin and Cause Report, 3 hrs., 2020
Fire Investigation for Fire Officers, Concentration in: Youth-Set Fires, 31 hrs., 2020
Wildland Fires Investigation, 5 hrs., 2019
Accreditation, Certification, and Certificates, 3 hrs., 2019
Critical Thinking Solves Cases. 4 hrs., 2019
Effective Investigation and Testimony, 3 hrs., 2018
Residential Natural Gas Systems, 3hrs., 2018
The Scientific Method for Fire and Explosion Investigation, 3 hrs., 2018
The Impact of Ventilation in Building Structures on Fire Development, 4 hrs., 2015
Basic Electricity, 4 hrs., 2015
Charleston Sofa Super Store Fire, 4 hrs., 2014
Introduction to Evidence, 4 hrs., 2014
Understanding Fire Through the Candle Experiments, 4 hrs., 2014
NFPA 921 2008 edition review, Quincy, MA 2010
Advanced Cause and Origin/Courtroom Techniques, Dept. of Justice ATF, Glenco, GA 2006
Fire Investigation, National Fire Academy, Emmitsburg, MD 1987
Numerous State and Federal certificates of attendance in Fire Investigation, Electrical Code, Fire Suppression Tactics

Education:

Master of Public Administration, Anna Maria College 2006

Bachelor of Science, Fire Science Providence College 1991
Associate of Science, Law Enforcement, Massasoit College 199

Affiliations:

International Association of Arson Investigators (IAAI)

Litigation CV available upon request

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