



Joe Yarborough SE, PE

Senior Managing Engineer

Department
Engineering

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Locations
Boston, MA

Biography

Mr. Yarborough is a Senior Managing Engineer with a background in structural design and evaluation of existing buildings. He has investigated building failures resulting from weather-related events, construction defects, explosions, vehicle impacts, fires, ground vibrations, moisture intrusion, and other causes. He has served on numerous catastrophe response teams where he evaluated damage resulting from floods, hurricanes, fires, and earthquakes. Born and raised in Arizona, Mr. Yarborough has lived in New England since 2011, and maintains licenses throughout the northeast and various coastal states.

Education

- Arizona State University | Tempe, Arizona
Master of Science in Engineering - Civil, Environmental, and Sustainable Engineering
- Purdue University | West Lafayette, Indiana
Bachelor of Science - Civil Engineering

Professional Experience

- 2022 - Current | Senior Managing Engineer | YA Engineering Services
- 2018 - 2022 | Senior Project Engineer | Envista Forensics
- 2011 - 2018 | Project Engineer | Envista Forensics
- 2010 - 2011 | Forensic Structural Engineer | EFI Global
- 2006 - 2010 | Structural Engineer/Owner | Yarborough Engineering
- 2004 - 2005 | Design Engineer | CMX
- 2001 - 2004 | Project Designer | Caruso Turley Scott

Areas of Practice

- ADA Compliance Assessment
- Building Code Upgrade Review
- Construction Administration
- Damage Assessment
- Earthquake Engineering
- Failure Analysis
- Litigation Support
- Marine Structures
- Non-Destructive Testing
- Repair and Rehabilitation Design
- Roofing
- Seismic Evaluations and Retrofit Design
- Structural Analysis
- Water Leakage Testing and Analysis

Representative Consulting Assignments

- Commercial Building
Hingham, MA | Causation investigation of structural damage sustained to a

pre-engineered metal building resulting from snow accumulations and design defects

- Private Residence
Westport, MA | Causation investigation and generation of repair recommendations following widespread mold formation and water damage resulting from a water heater failure in an unoccupied home; successful mediation defense of challenged opinions
- Commercial Building
Plainville, MA | Evaluation of damage and generation of repair recommendations following a fire in a pre-engineered metal building; successful defense of opinions challenged by opposing expert
- Hotel
Oak Bluffs, MA | Investigation of physical attributes and lighting conditions of an exterior staircase whereon a guest slipped and sustained injuries
- Private Residence
Hartford, CT | Evaluation of damage and generation of repair recommendations following a vehicle impact event which distorted the floor assembly and racked the first-story walls
- Multifamily Home Complex
Ewing, NJ | Evaluation of damage sustained to 130 homes resulting from a gas explosion
- Commercial Building
Sanford, ME | Causation investigation of damage sustained to concrete masonry walls resulting from long-term condensation and building envelope deficiencies
- Private Residence
Cedar Grove, NJ | Evaluation of damage resulting from ground vibrations induced by nearby blasting and construction operations

Licenses

- Arizona | (Structural) 44775 | Professional Engineer
- Arizona | (Civil) 42787 | Professional Engineer
- Connecticut | 28288 | Professional Engineer
- Florida | 84104 | Professional Engineer
- Maine | 12890 | Professional Engineer
- Massachusetts | 48888 | Professional Engineer
- New Hampshire | 13574 | Professional Engineer
- New Jersey | GE50071 | Professional Engineer
- New York | 90012 | Professional Engineer
- North Carolina | 47594 | Professional Engineer
- Rhode Island | 9771 | Professional Engineer
- South Carolina | 36060 | Professional Engineer
- Texas | 132187 | Professional Engineer
- Vermont | 84528 | Professional Engineer