Anthony Firriolo, PE | South District Manager / Principal Engineer

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Professional Summary:

Mr. Firriolo has over 26 years of experience in Bridge Design and Forensic Investigations. He currently serves as a district manager as well as a principal engineer and conducts forensic engineering investigations including roof evaluations, construction defect analysis, structural damage cause and origin, collapse evaluations, building envelope investigations, foundation/settlement repair, methods, and sinkhole remediation of commercial, industrial, and residential structures. He also has performed approximately 500 evaluations due to catastrophes following Moore Oklahoma Tornado, Hurricane Irene, Superstorm Sandy, Hurricane Sally, Hurricane Irma, Hurricane Michael, Hurricane, Helene, and Hurricane Milton, Nashville Tennessee Tornado, of commercial, industrial, and residential structures.

Areas of Expertise:

- Forensic Engineering
- Structural Engineering
- Roofing Services
- Building Envelope Assessments
- Flood Assessments

Licenses and Certifications:

Professional Engineer (Additional states available upon application):

Tennessee, 115878
Alabama, 34729
Florida, 66643
Arkansas, 17787
Kentucky, 33003
North Carolina, 59279

National Engineering Registration, NCEES, 18-150-86

Project Experience:

The sample projects here outline a small sampling of the types of projects and losses Mr. EXPERTNAME regularly investigates. For further information or additional examples, please contact EFI Global.

Multiple Clients, New York, Hurricane Irene
Performed site investigations to collect evidence, reviewed weather data, and determined the cause and extent of damage due to results from storm forces, high winds, hydrostatic pressure and/or storm surge.

Project Experience (Continued):

Multiple Clients, New Jersey, Superstorm Sandy
Performed site investigations to collect evidence, reviewed weather data, and determined the cause and extent of damage due to results from storm forces, high winds, hydrostatic pressure and/or storm surge.

Multiple Clients, Alabama, Hurricane Sally
Performed site investigations to collect evidence, reviewed weather data, and determined the cause and extent of damage due to results from storm forces, high winds, hydrostatic pressure and/or storm surge.

Multiple Clients, Florida, Hurricanes Irma, Michael, Helene, & Milton
Performed site investigations to collect evidence, reviewed weather data, and determined the cause and extent of damage due to results from storm forces, high winds, hydrostatic pressure and/or storm surge.

Multiple Clients, Oklahoma, Moore Oklahoma Tornado
Performed site investigations to collect evidence at several residential properties in the vicinity of the tornado's path, reviewed weather data, and determined the cause and extent of damage resulting from high winds. Recommendations of repair were included in the engineer letter.

Multiple Clients, Tennessee, Nashville Tornado 2020
Performed site investigations to collect evidence at several residential properties in the vicinity of the tornado's path, reviewed weather data, and determined the cause and extent of damage resulting from high winds. Recommendations of repair were included in the engineer letter.

Insurance Client, Kentucky, Forensic Roof Analysis
Performed a site investigation to collect evidence to determine if the PVC membrane roof covering was damaged by hailstone impact. The roof area covered approximately 165,000 square feet. It was determined that hail was in the vicinity of the property but did not functionally damage the PVC membrane.

Insurance Client, Alabama, Hail Damage Analysis
Senior Engineer responsible to evaluate an approximately 850,000 square foot roof covering overlain with a PVC membrane for the effects of hailstone impacts. The deliverable consisted of a signed/sealed engineer letter detailing the affected roof areas due to hailstone impact and the scope of repairs.

Insurance Client, Tennessee, Structural Integrity Analysis
Senior Engineer responsible to evaluate a commercial property to determine the extent of structural damage due to a vehicle impact. The deliverable consisted of a signed/sealed engineering letter detailing the structural damage caused by the vehicle and repair protocol for damage.

Expert Witness Testimony: Court Qualifications/Depositions/Testimony:

Mr. Firriolo has extensive experience testifying as an expert witness in mediation, arbitration, depositions, and trials and has been accepted as an expert witness in numerous jurisdictions.

**List of Expert Witness Testimony Experience is Available Upon Request*

Professional Experience:

EFI Global, Nashville, TN, District Manager & Principal Engineer (Current Title), 2018 - present
EFI Global, Nashville, TN, Principal Engineer, 2017 - 2018
GHD Services, Inc., Nashville, TN, Manager - Senior Engineer, 2012 – 2017
HSA Engineers & Scientists, Tampa, FL, Engineer, 2006 - 2012
Reynolds, Smith & Hills, Inc., Tampa, FL, Engineer, 1999 - 2006

Formal Education:

Bachelor of Science in Civil Engineering (BSCEE), University of South Florida, 1999

Specialized Education/Training:

Fundamentals of Concrete, 2023

Corrosion Control and Tactics, 2023

Repair Techniques for Wood Trusses, 2023

Practical Forensic Engineering Property, 2021

Soil Permeability Testing, 2021

Fundamentals of Site Grading Design, 2021

Building Rebar Inspection, 2019

Fundamentals of Helical Anchors/Piles, 2019

Introduction to Thermal Imaging, 2019

Asbestos Fundamentals, 2019

Fundamentals of Foundation Design, 2019

C Level 1, "Authorized Person" Roof Specific Rope Access Training, 2013

Courses Instructed/Guest Lecturer:

Repair Method of Poultry Houses

Sinkhole Studies & Underpinning Design – A Localized Foundation Repair Strategy

Sinkhole Mock Trial

Understanding Structural Damage Within the Claims Process

Understanding the Tennessee Sinkhole Statute