

# KYLE MILLEMON, P.E.

## Senior Associate



### Summary

Kyle Millemon is a registered Professional Engineer in multiple states with engineering experience in structural design, analysis, and forensic investigation of buildings. His forensic experience includes the investigation and evaluation of structures for damage related to storm events, foundation movement, fire, water intrusion, vehicle impacts, blast/explosion events, product failures, design defects, and construction defects. He is primarily engaged in large-loss investigations, litigation support, and expert testimony.

### Areas of Technical Expertise

- Forensic Structural Engineering
- Structural Investigation and Repair
- Litigation Support
- Property Loss Consulting

### Education

- B.S., Architectural Engineering, Structures, 2011, Oklahoma State University

### Registrations

- Licensed Professional Engineer in AL, FL, GA, LA, MS, NJ, NC, SC, TN, and TX
- NCEES Model Law Engineer
- Texas Safety Assessment Program (SAP) Evaluator – California Office of Emergency Services

### Select Project Experience

#### Forensic Engineering

**Atlantic Aviation North America, Hurricane Damage**, Bellair, FL.\* Investigated several hangar structures for damage with respect to the passage of Hurricane Milton, including hangar doors, roof coverings, and framing systems. Reviewed repair proposals and developed repair recommendations.

**Sunseeker Resort, Construction Defect**, Charlotte Harbor, FL.\* Origin and cause investigation of reported damage to a floor coating system throughout a large area of the building, including collection of multiple samples for testing.

**Multi-Family Housing, Roof Damage**, Ocean Springs, MS.\* Investigation of reported hail damage to multiple multi-family residential structures.

**R.C. Center Limited, Roof Damage**, Austin, TX.\* Follow-up investigation of reported hail damage to multiple large commercial facilities, including collection of test samples.

**West Baton Rouge Parish School Board, Storm Damage**, Baton Rouge, LA.\* Investigation of alleged damage to several education facilities with respect to the passage of Hurricane Ida.

**Hurricanes Helene/Milton, Hurricane Damage**, FL.\* Multiple investigations of damage to commercial, institutional, and residential structures along the west coast of Florida with respect to the passage of two hurricanes.

**1525 Pennsylvania Ave Condo**, Miami Beach, FL.\* Origin and cause investigation of alleged structural damage to a condominium building, including testing of concrete core samples. Advised on code requirements regarding an “unsafe structure” designation.

**J&V Communications, Hurricane Ian**, Orlando, FL.\* Origin and cause investigation of alleged damage to multiple properties with respect to the passage of Hurricane Ian. Provided litigation support as an expert witness.

\*Denotes work performed with previous employer.

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**Manatee Port Authority, Hurricane Helene/Milton.** Palmetto, FL.\* Damage assessments completed for multiple port facilities with respect to the passage of two hurricanes.

**The Hemispheres Condominium Association, Construction Defect,** Hallandale Beach, FL.\* Origin and cause investigation of alleged damage to a parking structure related to new construction at a neighboring property.

**Residential Pool, Construction Defect,** Lake Park, GA.\* Origin and cause investigation of alleged damage to a residential pool structure, including whether damage was the result of the quality of construction.

**Doubletree Hotel, Storm Damage,** Hollywood Beach, FL.\* Investigation of wind-related damage to a fabric pavilion. Advised on code-requirements for repairs to portable, temporary structures.

**Municipal Water Treatment Plant Structural Collapse,** Bellair, FL.\* Origin and cause investigation of a structural roof collapse at a water treatment plant.

**HOA Water Park Resort Construction Defect,** Haines City, FL.\* Investigation of alleged construction related defects with respect to the installation and performance of a concrete surface coating at the water park.

**Marina Facility, Hurricane Ian,** Fort Myers Beach, FL.\* Structural evaluation of a partially collapsed marina structure for origin and cause of collapse and potential construction defects with respect to the passage of Hurricane Ian.

**Various Buildings, Hurricane Ian,** Southwest FL.\* Investigations and evaluations of structures across Southwest Florida with respect to the passage of Hurricane Ian, including commercial and residential structures.

**Assisted Living Facility, Tornado Damage,** Mt. Juliet, TN.\* Inspected an assisted living facility for allegations of tornado damage to windows and exterior finishes. Evaluated the insured's engineering reports and additional documentation.

**Manufacturing Facility, Tornado Damage,** Ellabell, GA.\* Structural evaluation of a manufacturing facility for wind-related damage to the roof covering following a tornado event. Evaluated the condition of the roof covering and provided repair recommendations.

**High-Rise Condominium Tower, Construction Defect,** Honolulu, HI.\* Construction defect analysis for resultant damage and evaluation of renovations to a 36-story condominium tower related to construction defect allegations.

**TPC Chemical Plant Explosions,** Port Neches, TX.\* Structural condition assessments of residential structures related to explosions at TPC chemical plant in Port Neches, TX. Documented conditions and provided repair recommendations.

**Reservoir Dam, Construction Defect,** Northern AL.\* Investigated claims of construction defects to RCC dam in northern Alabama, evaluated for resultant damage.

**Church Building, Water Intrusion,** Fernandina Beach, FL.\* Water intrusion evaluated for historical church building for structural damage.

**Bakery Production Facility Fire,** Bogart, GA.\* Post-fire structural evaluation of a bakery production facility to determine suitability of the existing foundations for reconstruction. Observed slab coring and provided repair and reconstruction recommendations to return facility to pre-damage condition.

### Structural Engineering

**Jones Academy Additions and Renovations,** Arlington, TX.\* EOR for a 17k SF elementary school addition which included a storm shelter designed per ICC-500 requirements.

**Lizzie Curtis Elementary School,** Fort Worth, TX.\* New single-story, 103k SF elementary school utilizing insulated concrete form (ICF) construction.

**North Lake Aquatic Center Renovation,** Irving, TX.\* Renovation project replacing an inflatable fabric roof with a steel space-frame supported on existing concrete framing.

**VA Birmingham, Primary Care Annex and Parking Garage,** Birmingham, AL.\* New three-story 68k SF clinic facility and eight-story 2,200 space parking garage. Clinic facility reinforced for progressive collapse per DoD Unified Facilities Criteria.

**University of Connecticut Health Center, Inpatient Tower and Parking Garage,** Farmington, CT.\* New 258k SF 11-story inpatient tower and surgery center with multi-story parking garage.

**Wake Forest Baptist Health, Davie Campus, Medical Plaza II,** Bermuda Run, NC.\* New three-story 100k SF outpatient surgery center and emergency department.

### Sworn Testimony

Deposition, Yvon Dorvil v. Marbella Harrison Investments LLC, regarding allegations of roof damage. Circuit Court of The 11th Judicial Circuit In And For Miami-Dade County, Florida. September 17, 2025.

Deposition, The Hemispheres Condo. Ass'n, Inc. v. 2000 Ocean Owner LLC, et al., regarding allegations of damage from falling construction debris. Circuit Court of The 17th Judicial Circuit In And For Broward County, Florida. January 21, 2025.

Deposition, J&V Communications, Inc. vs. XL Specialty Ins. Co., regarding extent of damage to buildings as a result of Hurricane Ian. US District Court for the Middle District of Florida, Orlando Division. November 21, 2024.

## **KYLE MILLEMON, P.E.**

Deposition, Mark Bereslavsky & Dina Ibragimova vs. 2000 Ocean Owner, LLC, regarding allegations of construction defects and whether they contributed to resultant damage or a hazard to human occupancy. Circuit Court of the 11th Judicial Circuit, In and For Miami-Dade County, Florida. January 18, 2024.

Deposition, James Vance v. State Farm Fire & Casualty Co., et al., regarding alleged structural damage at a residence due to a tree impact. US District Court for the Northern District of Alabama Middle Division. April 12, 2023.

Deposition, Kenneth W. Perry & Kimberly J. Perry v. Encompass Ins. Co. of Am., regarding alleged structural damage at a residence due to a tree impact. US District Court for the Northern District of Georgia. January 14, 2021.

### **Litigation**

Anthony Gallugi & Deborah Foss v. PBS Contractors, LLC, regarding allegations of defective construction work at a residential condominium unit involving damage to a PT cable in a concrete slab.

Barry Nance & Susan Nance v. State Farm Fire & Casualty Co., regarding the extent of damage to a roof of a residence from an alleged hail event.

Blum, Inc. v. Axios Industrial Maintenance Contractors, Inc., regarding cause and origin of a structural collapse involving a shoring system.

The Utilities Board of The City of Cullman, Alabama v. CH2M Hill Engineers, Inc.; ASI Constructors, Inc.; & Western Surety Co., regarding alleged construction defects at the Duck River Dam.

Gans, LLC vs. Apaxx, Inc., regarding the alleged improper installation of a roof covering resulting in water damage.

### **CONTACT**

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