



Kyle Millemon

PE, SAP

Project Manager

Department

Engineering Services

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Email: kyle.millemon@yaeservices.com

Locations

Miami, FL

Biography

Kyle Millemon is a licensed Professional Engineer with over 12 years of experience in structural building design and forensic investigations. His forensic background includes numerous investigations of damage to building structures and components resulting from hurricanes, tornados, fire events, vehicular impacts, foundation movement, seismic activity, blast/explosion events, wind, hail, and water intrusion. Additionally, he has investigated structural and building envelope failures due to product and installation deficiencies, including evaluation of resultant damages. Kyle provides expert testimony and litigation support for various parties, such as building owners, contractors, and insurance carriers. Kyle's building design experience includes new construction and renovation project including multiple hospital and medical office buildings, education facilities, sports facilities, and commercial/industrial structures. He is experienced in the design of deep foundations, concrete, wood, and steel framed structures, connection detailing, tornado storm shelters, and blast design. His design expertise further includes analysis of existing structures and repairs to multiple structure types. Kyle prepared structural design packages as the Engineer of Record and performed construction administration on numerous projects which included regular field inspections and resolving coordination conflicts and installation defects.

Credentials

- PE | Professional Engineer
- SAP | Texas Safety Assessment Program (SAP) Evaluator

Representative Consulting Assignments

- High-rise Condominium Tower | Honolulu, HI | Construction Defect | Evaluated construction defect claims and resultant damage for a 36-story condominium tower under reconstruction.
- Condominium Tower, | Bonita Springs, FL | Construction Defect | Evaluated allegations of construction defect related damage to a floor tile installation.
- Warehouse Facility | Resaca, GA | Construction Defect | Retained by defense counsel to evaluate construction defect allegations regarding installation of roof system.
- Manufacturing Facility | North Carolina | Shoring Failure | Evaluated a shoring collapse that occurred during construction.
- Assisted Living Facility | Mt. Juliet, TN | Tornado Damage | Inspected an assisted living facility for allegations of tornado damage to fenestrations and exterior finishes.
- Historical Church Building | Selma, AL | Tornado Damage | Investigated tornado and wind-related damage to the roof system of a historical church building and provided code-compliant repair recommendations.
- TPC Chemical Plant | Port Neches, TX | Explosion | Performed structural condition assessments of numerous residential structures related to explosions at nearby facilities.
- Bakery Production Facility | Georgia | Fire Damage | Performed a post-fire

structural evaluation of a bakery production facility to determine the suitability of the existing foundations for reconstruction.

- Commercial and Residential Structures | Multiple Locations | Hurricane Damage | Performed numerous hurricane damage assessments of commercial and residential structures across the Southeast.
- Commercial and Residential Structures | Multiple Locations | Construction Defect | Performed numerous investigations of tree impact, vehicle impact, hail, water intrusion, and foundation movement damage to various structure types

Professional Experience

- 2023 - Current | Project Manager | YA Engineering Services
- 2021 - 2023 | Forensic Engineer | IN-Line Forensics, Inc.
- 2018 - 2021 | Project Engineer | ProNet Group, Inc.
- 2016 - 2018 | Structural Engineer | Stantec, Inc.
- 2013 - 2016 | Structural Engineer | Page Southerland Page, Inc.
- 2011 - 2013 | Engineer in Training | HKS, Inc.

Area of Practice

- Building Code Upgrade Review
- Building Envelope
- Condition Assessment
- Construction Administration
- Damage Assessment
- Failure Analysis
- Failure Analysis of Materials and Components
- Litigation Support
- Marine Structures
- Non-Destructive Testing
- Repair and Rehabilitation Design
- Structural Analysis

Education

- Oklahoma State University - Bachelor of Architectural Engineering - Structural Engineering - Stillwater - Oklahoma

Affiliations

- American Society of Civil Engineers (ASCE)
- Architectural Engineering Institute (AEI)
- National Council of Structural Engineers Associations (NCSEA)
- Florida Structural Engineers Association (FSEA)
- Structural Engineers Association of Georgia (SEAoG)

Licenses

- 38093 - Alabama - Professional Engineer
 - 86796 - Florida - Professional Engineer
 - PE043714 - Georgia - Professional Engineer
 - 37354 - Kentucky - Professional Engineer
 - 45966 - Louisiana - Professional Engineer
 - 32622 - Mississippi - Professional Engineer
 - 52381 - North Carolina - Professional Engineer
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- GE57629 - New Jersey - Professional Engineer
 - 39199 - South Carolina - Professional Engineer
 - 15518 - South Dakota - Professional Engineer
 - 122329 - Tennessee - Professional Engineer
 - 121871 - Texas - Professional Engineer
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