



Michael Kamel

PE

Senior Managing Engineer

Department

Engineering Services

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Locations

Dallas, TX

Biography

"Mr. Michael Kamel has over 10 years of experience in forensic investigation and building design. Mr. Kamel has conducted numerous forensic investigations of residential and commercial buildings, including failure analysis and damage modeling of structures, associated with both natural and man-made events. Mr. Kamel's experience includes, but is not limited to, wind/hail studies, flood investigations, moisture exposure assessments, fenestration analyses, foundation studies, explosion and impact analyses, and structural fire investigations.

Mr. Kamel's design experience includes the design of building framing and foundations of single- and multi-family residential, and mixed-use/light commercial structures. During his design career, Mr. Kamel designed and analyzed various structural elements including floor systems, shear walls, wall framing, and roof and ceiling framing. Mr. Kamel also designed and analyzed a wide array of foundation systems including post-tensioned and reinforced concrete slabs and pier and beam foundations. During Mr. Kamel's design years, he reviewed numerous soil reports, produced and reviewed construction drawings, conducted site visits, assessed construction defects, and developed remedial repair recommendations.

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Credentials

- PE | Professional Engineer

Representative Consulting Assignments

- Residential | Texas and Oklahoma | Fire/Smoke | Investigation of numerous of residential buildings to determine the extent of damage related to fire, explosion/blast, vehicle impact, or tree impact.
- Commercial and Residential | Texas | Hurricane | Investigation of numerous of commercial and residential buildings for flood and wind damage.
- Commercial and Residential | Alabama, Florida, Mississippi, and Florida | Hurricane | Investigation of numerous of commercial and residential buildings for hurricane damage; the projects included structural, roofing, cladding, and fenestration assessments for various multistory condominium buildings and apartment complexes.
- Commercial and Residential | Texas and Oklahoma | Hail | Investigation of hundreds of commercial and residential structures for hail and/or wind damage to cladding and roofing.
- Residential | Louisiana | Hurricane | Investigation of numerous of residential buildings for hurricane related damage.
- Residential | Texas and Oklahoma | Damage Assessment | Investigation of hundreds of residential structures for foundation damage related to soil movements and plumbing leaks.

Professional Experience

- 2022 - Current | Senior Managing Engineer | YA Engineering Services
- 2022 - 2022 | Principal Engineer | G&A Engineering
- 2020 - 2021 | Structural Forensic Investigator | BSC Forensics
- 2017 - 2020 | Forensic Engineer | Donan Engineering
- 2011 - 2017 | Structural Engineer | STRAND AE

Area of Practice

- Building Code Upgrade Review
- Building Envelope
- Condition Assessment
- Damage Assessment
- Failure Analysis
- Litigation Support
- Non-Destructive Testing
- Roofing
- Structural Analysis
- Water Leakage Testing and Analysis

Education

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

Licenses

- 37313 - Alabama - Professional Engineer
 - 17843 - Arkansas - Professional Engineer
 - 88321 - Florida - Professional Engineer
 - 41926 - Louisiana - Professional Engineer
 - 28433 - Mississippi - Professional Engineer
 - 29747 - Oklahoma - Professional Engineer
 - 122319 - Texas - Professional Engineer
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