

## Stanton Smith | Senior Engineer, P.E.

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### Professional Summary:

Mr. Smith holds a Bachelor of Science in Engineering and is a licensed professional engineer in Oklahoma and Texas. He has over two decades of experience in structural failure determination and remediation, building envelope evaluation, and industrial air quality remediation.

As a forensic engineer, he has evaluated failures and their effects in the civil/structural engineering and construction industry including: building and equipment foundations; site grading and drainage; flooding; low- and steep-slope roof design and construction; and building water leakage and damage evaluations in residential, commercial, and industrial settings. He has examined building interiors, exteriors, attics, roofs, basements, and crawlspaces and diagnosed structural problems due to design errors, environmental concerns or installation errors.

Mr. Smith's areas of expertise include construction failure and error assessment related to foundations, framing, roofing, and exterior veneers, building component failures due to expansive soils or soil compaction issues, water intrusion determination, material handling equipment installation and diagnosis. He has also conducted assessments on particulate air quality measurement and control, HVAC and plumbing-induced structural damage and water intrusion determination.

Mr. Smith is highly experienced at conducting structural assessments pursuant to disasters such as tornado, flood, hurricane, earthquake, vehicular impact, and ground or air-based explosive activity.

### Licenses and Certifications:

P.E., Oklahoma, License #15377

P.E., Texas, License #117376

### Project Experience:

#### **Kickapoo Tribe of Oklahoma, McLoud, OK**

##### **Water intrusion and mold**

Child Care Facility - Evaluated cause of mold accumulation, which was due to a combination of inadequate building construction, inadequate air conditioning design, inadequate mechanical ventilation design, and post-construction modifications to the systems by non-knowledgeable personnel.

#### **American Plant Food Corporation, Littlefield, TX**

##### **Roofing Failure**

Failure of roofing was due to roof decking failure, which was due to structural framing failure, which was due to a combination of mechanical damage and concrete failure in the foundation due to a long-term chemical reaction. The building was pronounced unsafe.

**Indian Memorial Church, Lawton, OK****Roof Sag**

Evaluated roof sag, which was the result of framing failure in sanctuary. Determined that failure was due to inadequate material selection and long-term deterioration. The church was pronounced unsafe.

**Professional Experience:**

Rimkus Consulting Group, Inc., Senior Consultant, 2017-2019  
Donan Engineering Company, Inc., Forensic Engineer, 2013-2017  
S & S Engineering, Inc., President, 1991-2013

**Education:**

Bachelor of Science in Engineering, Trinity University, San Antonio, TX, 1983.

**Presentations:**

The Appraisal Process, Pacesetter Claims Conference, February 2019.  
Evaluating Structural Damage Due to Catastrophic Events, Texas Prima (Public Risk Management Association) Convention, November 2018.  
Foundation Failures, Rimkus CE Event, Dallas, June 2018.  
Roof Construction Materials and Problems, IAS Claim Services Conference, February 2018.