

David P. Amori, PE, RRC

**Vice President, Engineering
Engineering Practice Leader**

500 Sandau Rd, Suite 300, San Antonio, Texas 78216

210-682-4480

david_amori@efiglobal.com

Years Experience: 22

Professional Summary:

Mr. Amori is a Structural/Geotechnical Engineer and Registered Roof Consultant with more than 22 years of domestic and international experience in building and heavy civil construction and engineering. Responsibilities include the oversight of the engineering service line; product delivery, quality, training and mentoring, business development, and executive team liaison. This role also includes teaching continuing education classes to individuals in the insurance industry on topics such as building construction, structural engineering, and building envelope investigations. He also performs forensic structural, geotechnical, construction defect, and building envelope related investigations and consulting.

Licenses and Certifications:

Professional Engineer, CO, #35124
Professional Engineer, FL, #77844
Professional Engineer, LA, #32976
Professional Engineer, NY, #92046
Professional Engineer, OK, #26644
Professional Engineer, TX, #90564
NCEES Model Law Engineer, #51594
Registered Roof Consultant, RCI, #609

Project Experience:

Representative Building Envelope Experience

VA Administration

Conducted an assessment of new roof construction on several buildings at a south Texas campus. The assessment included IR Thermography, a thorough document review, and visual assessment. New construction services including testing of window and curtain wall systems using differential pressure (ASTM 1105) and negative pressure uplift testing of low-slope roof systems (FM1-52).

Hotel and Convention Center, Beaumont, TX

Conducted a roof storm damage assessment of a hotel and convention center in the wake of Hurricane Ike.

Project Experience (Continued),

Pasadena ISD, Pasadena, TX

Lead a team of professional to conduct storm evaluations of 37 facilities for the School District in the wake of Hurricane Ike.

Representative Litigation Support

Pearland, TX

Design team defendant expert in a case involving the code compliance, structural integrity, and functional performance of roof of a newly constructed assisted living facility.

San Antonio, TX

Expert investigating the performance of window systems, roof systems, and exterior wall finishes.

Austin, TX

Expert investigating the performance of custom window systems.

Representative Forensic Structural Experience

Structural Condition Assessment; Corpus Christi, Texas

Provided the structural assessment of the historic Nueces County Courthouse.

Structural Condition Assessment; Corpus Christi, Texas

Provided the structural assessment of a 10-story pre-cast concrete and masonry multi-family residence.

Various Locations

Performed hundreds of forensic investigations including construction defect, foundation performance evaluations, design omission, cause and origin, water infiltration, structural assessment, and retrofit design.

Representative Forensic Geotechnical Experience

South Padre Island, Texas

Led a team of consultants in the investigation of the cause of differential settlement of a 30+ story post-tension concrete multi-family residential building.

Austin, Texas

Conducted an evaluation of the failure of a retaining wall at a multi-family residential facility.

Flint Hills Resources, Corpus Christi, Texas

Conducted foundation investigation to determine to cause of differential settlement for a process heater.

Project Experience (Continued),

Representative Forensic Geotechnical Experience

Sherwin Alumina, Gregory, Texas

Conducted the foundation evaluation to determine the cause of differential settlement of a caustic solution storage tank.

Corpus Christi International Airport; Corpus Christi, Texas

Conducted pavement failures evaluations for taxi and runways.

Representative Construction Management Experience

Construction Project Manager for dozens of commercial, light industrial and educational facilities in Northern Colorado and Nebraska. Responsible for contract administration, construction supervision, quality assurance, layout, and design team liaison.

Water Reservoir; Peru

Construction supervision of an expansion; placement of over 500,000 cubic meters of engineered fill, subgrade preparation for installation of geosynthetics, construction of water channels, erosion controls, and access roads.

Remote Office Manager; Peru

Managed onsite office during a \$250 million facilities expansion. Supervised staff administration, equipment and materials logistics, and cost control. Lead the development and implementation of a cost tracking and reporting system. Provided technical support and supervision for our materials testing laboratory. Also responsible for blast safety coordination.

Court Qualifications / Depositions:

Arbitration Testimony, San Antonio, TX, Mayer v Adam Michael Homes LTD
Deposition and Testimony: Cadence McShane Construction Company v Airco Mechanical (Cause D-1-GN-10-003661)
SOAH Hearing Testimony, Galveston, TX, Blackwell v TWIA
SOAH Hearing Testimony, Harlingen, TX, Cetcom v TWIA
Deposition: San Antonio, Texas, Consolidated Waste Industries v BNC Engineering LLC
Arbitration Testimony, San Antonio, TX, Trevino v NHIC

Professional Experience:

EFI Global, Inc., 2006 – Present
Vice President, Engineering, November 2013 - Present
Senior District Manager, San Antonio, TX, 2006 – October 2013

PSI, Branch Manager, Corpus Christi, TX, 2003 – 2006

Brown Engineering, Senior Consultant, Austin TX, 2002 – 2003

RC Heath Construction Company, Project Manager, Fort Collins, CO, 2001 – 2002

The Neenan Co., Project Manager, Fort Collins, CO, 1999-2001

Knight Piésold, Staff Engineer, Denver CO, 1991-1998

Our partner firms include: Engineering services in North Carolina and New York/New Jersey provided by EFI Global of North Carolina, P.C. and EFI Global Engineering of New York, P.C. respectively.

Education:

Master of Science, Construction Management, University of Birmingham, UK, 1999

Bachelor of Science, Civil Engineering, University of Colorado at Denver, CO, 1995

Specialized Education:

OSHA Fall Protection / Aerial and Scissor Lift Training
Fundamental Elements of High Wind Design and the Windstorm Process, TDI
RCI: Masonry Wall Systems, Exterior Wall Technology, Wind and Drainage, Professional Roof Consulting, Roof Technology I & II

Affiliations:

American Society of Civil Engineers (ASCE)
American Concrete Institute (ACI)
RCI, Inc. (RCI)

Courses Instructed / Guest Lecturer:

Construction Defects
Structural Assessment: Repair v Replace
Storm Assessment of Commercial and Residential Roofing
Foundation Evaluations
Basic Building Construction
Moisture Migration through Buildings
Hail Damage to Residential Roofs
EFI Roof Specialist Program – 8 hr Residential Roofing

Publications and Presentations:

Amori David P., "Inspection of Residential and Commercial Roofs and Extent of Damage," PLRB Western Regional Conference, June 2014.

Amori, David P., "Foundation Issues Related to Winter Weather and Snow Loads," Claims Journal Interview, March 2014.

Amori, David P., "How Hot is Too Hot. A Structural Assessment of Fire Damaged Buildings," Claims Management, October 2013.

Amori, David P., "Precarious Foundations," Claims Magazine, July 2013.

Amori, David P. and Johnson, Shawn, "After the Storm: Analyzing Tornado Structural Damage," PropertyCasualty360.com, May 22, 2013.

Amori, David P., "Qualitative Analysis and Investigation of Water Infiltration into Buildings," Emerging Environmental Claims Managers Association (EECMA), May 2012.

Amori, David P., "Wind Related Design Considerations for Roof Decks," National Roof Deck Contractors Association (NRDCA), April 2012.

Publications and Presentations (Continued),

Amori, David P., "Case Study: Field Uplift-Resistance Testing of Low-Slope, Built-Up Roofs Along the South Texas Coast," Peer Reviewed Paper Proceedings, 27th RCI International Convention and Trade Show, March 2012.

Amori, David P., "Raising the Roof on Wind-Resistant Technology," Claims Magazine, January 2012.

Amori, David P., "Roof Uplift Testing: A Risk Assessment of Roofing Systems to Determine Insurability in Hurricane Prone Areas," PLRB National Conference, April 2011.

Amori, David P., "Assessment of Wind-Related Damage to Commercial Roofing," Claims Magazine, June 2009.