

Daniel W. Heyer, P.E. | Senior Engineering Consultant

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Professional Summary:

A record of successful performance in the fields of construction, project management, design and construction review. Extensive experience with owner/general contractor/subcontractor relationships. Has managed large, complicated projects that have necessitated the skills and varying disciplines of a number of engineering and technical specialists. Extensive experience in the evaluation of various types of damaged and failed structures, including residential, commercial, industrial and petrochemical structures as a result of the influences of weather, fire, explosion and man-made causation. Organized the EFI Catastrophe Team which responds to natural disasters to provide expertise in the evaluation of storm damaged structures. Has personally evaluated damage to buildings and structures from Hurricanes David, Frederick, Alicia, Hugo, Andrew, Erin, Marilyn, Opal, Fran, Danny, Earl, Georges, Mitch, Floyd, Irene, Lili, Isabel, Charley, Frances, Ivan, Jeanne, Dennis, Katrina, Wilma, Gustav, Ike, Sandy, Matthew and Irma in both the United States and the Caribbean. Has also examined structures damaged by numerous tropical storms, tornados and various windstorms in many parts of the country.

Primary Areas of Consultation:

- Construction accidents
- Roofing product evaluations, damage evaluations and failure analysis.
- Construction and material evaluations.
- Earthquake, hurricane, tornado and wind damage evaluations.

Area of Expertise:

- Structure damage and collapse evaluations Area of Expertise
- Architect/engineers errors and omissions claims. Area of Expertise
- Construction disputes, delay claims, bonding and surety claims.
- Construction accidents.
- Roofing product evaluations, damage evaluations and failure analysis.
- Construction and material evaluations.
- Earthquake, hurricane, tornado and wind damage evaluations.

Licenses and Certifications:

Registered Professional Engineer, State of Georgia, 10820

Registered Professional Engineer, State of Ohio, E-40381

Licensed Professional Engineer, State of Florida, 31636

Licensed Professional Engineer, State of New Jersey, GE45087

Licensed Professional Engineer, State of Kentucky, 9590

Licensed Professional Engineer, State of Louisiana, E23517

Registered Professional Engineer, State of Mississippi, 9246

Holds United States Patent US 8,104,187 B2 for a Window Deflection Measurement Device and Method of Use, granted January 31, 2012.

Project Experience:

Louisiana Superdome, New Orleans, Louisiana
Roof damage evaluation

Wind damage Hurricane Katrina.

Harbor Cay Condominiums, Cocoa Beach, Florida
Building collapse

Evaluated complete collapse of a five story building under construction.

Alfred P. Murrah Federal Building, Oklahoma City, Oklahoma
Explosion damage from bombing

Evaluated damage to surrounding structures from the various aspects of the blast.

Professional Experience:

Law Engineering Testing Company, Soils/Construction Engineer, 1971-1972

Systems Engineering Associates (SEA), Project Engineer, 1972-1976

Veristech Corporation, Co-Owner/Senior Project Engineer, 1976-1985

Daniel W. Heyer, P.E., Owner, 1985-1985

Craddock, Heyer and Associates (CH&A), Vice President of Engineering, 1985-1991

Engineering and Fire Investigations, Vice President of Engineering, 1991-1998

EFI Global, Vice President of Engineering, Vice President of Engineering, 1998-2017

Daniel W. Heyer, P.E., Owner, 2017-Present

Education:

Bachelors of Science Civil Engineering, Purdue University, West Lafayette, Indiana 1971

Affiliations:

American Architectural Manufacturers Association, Member

American Society of Civil Engineers, Life Member

Courses Instructed/ Guest Lecturer:

- *Structure Failures and Their Cause*. Participant and speaker at the Forensic Engineering Symposium held at the Citadel in Charleston, South Carolina by the American Society of Civil Engineers
- *The Anatomy of a Failure*. Participant and speaker at the Annual Convention of the American Society of Civil Engineers, Orlando, Florida. Program dealt with the collapse of the Harbor Cay Condominiums in Cocoa Beach, Florida.
- *Construction Law*. Participant and speaker at the Pittsburgh Chapter Construction Specifications Institute, Pittsburgh, Pennsylvania.

- *Hail and Its Effects on Roofing Systems.* Presented to insurance company and independent adjusters in Tulsa, Oklahoma and Little Rock, Arkansas as a continuing education course.
- *Commercial Roofing Systems.* Presented to the Atlanta Claims Association as a continuing education seminar.
- *Planning for the Big One.* A seminar dealing with disaster planning and the anticipated hazards and damage associated with a major earthquake in the United States.
- Performed on-site training after the Northridge Earthquake to prepare insurance adjusters for the damage that took place as well as what they could expect to find in the field as it pertains to actual damage to the types of structures involved.
- *Lessons from the Northridge Earthquake.* Presentation to Southern Loss Association, Atlanta, Georgia concerning the damage experienced after the Northridge, California Earthquake and what could be anticipated elsewhere in the country.
- *Preparing for the New Madrid Earthquake.* Technical presentation in Memphis, Tennessee concerning the potential for damage as a result of a major earthquake on the New Madrid fault zone.
- *Hurricane! – The Greatest Storm on Earth.* Seminar dealing with the different types of wind damage that can be expected with various categories of storms and discusses the different types of damage caused by wind and storm surge. Specific damage to various construction and building types is discussed.
- *Differentiating Storm Damage from Pre-Existing Damages* A seminar presented at the 2007 Windstorm Insurance Conference detailing the methods and means of differentiating between the causes of wind and pre-existing damages.
- *After the Storm...A Long Time After.* A seminar presented at the 2010 Windstorm Insurance Conference detailing the methods and means of determining the causes of damages well after the impact of a hurricane.
- *Windows and Doors – Sorting out the Problems.* A seminar presented at the 2011 Windstorm Insurance Conference detailing the effects of wind damage on windows and doors in structures.
- *Blowin' in the Wind.* A seminar presented at the 2012 Windstorm Insurance Conference detailing the effects of wind damage on structures.