

Calvin C. Thomas Jr., P.E. | Senior Principal Engineer – Large/Complex Loss

Baton Rouge, Louisiana Field Office

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Professional Summary:

Mr. Thomas is a Senior Principal Engineer in EFI's Large/Complex Loss Group. He has more than 39 years of experience in structural engineering design and has provided a wide range of forensic/investigation related services. The forensic/investigation services include cause and origin, scope of damages, scope of repairs, repair protocols, and building code analysis. He has performed investigations for structural failures and collapses, construction and design defects, the standard of care for design professionals, and the investigation and assessment of damage due to chemicals and fires for commercial and industrial structures.

Mr. Thomas specializes in commercial and residential damage assessments due to wind, hail, and fire. Forensic services include cause and origin of roof covering damage, scope of damage, scope of repairs, repair protocols, and repair versus replacement analysis.

Commercial design experience includes the design of various types of structures including office buildings, schools, and sport facilities.

Mr. Thomas areas of expertise include, but are not limited to:

- Cause and Origin
- Scope of Damages & Repairs
- Building Code Analysis
- Construction/Design Defect Evaluations
- Standard of Care for Design Professionals
- Damage Assessments (Wind, Hail, and Fire)
- Building Envelope Investigations

Professional Engineering Licenses: (State, License Number)

Professional Engineer: Louisiana, No. 21895

Professional Engineer: Florida, No. 37744

Professional Engineer: Arkansas, No. 8732

Professional Engineer: Mississippi, No. 10876

Professional Engineer: Alabama, No. PE50455

Professional Engineer: Georgia, No. PE048106

Professional Engineer: South Carolina, No. 39820

Professional Engineer: Kentucky, No. 37321

Professional Engineer: Texas, No. 143669

Professional Engineer: Colorado, No. 63708

Professional Engineer: Utah, No. 13723370-2202

Professional Engineer: Arizona, No. 80154

Professional Engineer: North Carolina, No. 57646

Professional Engineer: Wyoming, No. 20124

Professional Engineer: New Mexico, No. 29432

Forensic Engineering Experience:

Fair Grounds | Churchill Downs | New Orleans, Louisiana

Investigation of the Churchill Downs Fair Grounds including the Derby Buildings, Grandstand, Clubhouse, Casino, and Backstretch Buildings to determine the extent of structural damage following Hurricane Ida.

Fair Grounds Off-Track Betting Casino | Churchill Downs | Gretna, Louisiana

Investigation of the Gretna Off-Track Betting Casino/Video Poker building and the Mutuels/Horseracing building to determine the extent of structural damage to the roofing systems following Hurricane Ida.

Jefferson Parish Sheriff's Office Training Facility | Jefferson Parish Sheriff | Harvey, Louisiana

Investigation to determine the extent of structural damage to the training facility due to an EF-2 tornado.

New Iberia Medical Center | Hospital Service District No 1 of Iberia Parish | New Iberia, Louisiana

Investigation to determine the extent of structural damage to the New Iberia Hospital complex due to an EF-2 tornado.

West St John High School | St John The Baptist Parish School Board | Edgard, Louisiana

Investigation to determine the extent of structural damage to the roofing systems of each building in the high school complex following Hurricane Ida.

West St John Elementary School | St John The Baptist Parish School Board | Edgard, Louisiana

Investigation to determine the extent of structural damage to the roofing systems of each building in the elementary school complex following Hurricane Ida.

East St John High School | St John The Baptist Parish School Board | LaPlace, Louisiana

Investigation to determine the extent of structural damage to the roofing systems of each building in the high school complex following Hurricane Ida.

West Bank Regional Library | Parish of Jefferson | New Orleans, Louisiana

Investigation to determine the extent of structural damage to the library following Hurricane Ida.

Jefferson Parish Streets Department | Parish of Jefferson | New Orleans, Louisiana

Investigation to determine the extent of structural damage to the building and warehouse following Hurricane Ida.

River Ridge Public Library | Parish of Jefferson | River Ridge, Louisiana

Investigation to determine the extent of structural damage to the library following Hurricane Ida.

Fire Station 72 | Parish of Jefferson | Waggaman, Louisiana

Investigation to determine the extent of structural damage to the fire station following Hurricane Ida.

Place Dubourg | Archdiocese of New Orleans | LaPlace, Louisiana

Investigation to determine the extent of structural damage to the four-story building following Hurricane Ida.

Hollywood Casino | Penn National Gaming | Gulfport, Mississippi

Investigation of all commercial properties onsite to determine the extent of structural damage following Hurricane Katrina.

Chateau Napoleon Apartments | Ohio Management | Metairie, Louisiana

Investigation of the three-story apartment building complex to determine the extent of damage due to fire.

Solar Panel Farm | NextEra Energy | North Lake Village, Arkansas

Investigation of a 900-acre site to determine the extent of structural damage to the solar panel farm due to an EF-2 tornado.

Plaquemine City Hall Building | Iberville Parish Council | Plaquemine, Louisiana

Building damage evaluation to determine the extent of structural damage to the four-story building following Hurricane Ida.

Exterior Wall Collapse | Kolby Construction | Huntsville, Texas

Investigation of an exterior wall collapse for a building under construction.

Southmont Cove | Southmont Cove at Lexington | Fort Myers, Florida

Investigation of ten three-story condominium buildings to determine the extent of structural damage following Hurricane Ian.

Medical Office Building | South Central Regional Medical Center | Laurel, Mississippi

Investigation of the South Central Regional Medical Complex medical building to determine the extent of structural damage following a reported storm event.

Louisiana Downs Racing & Casino | Louisiana Downs Investment Company | Bossier City, LA

Investigation of the Grandstand/Racetrack and Casino building to determine the extent of structural damage due to hail.

Moss Point High School | Moss Point School District | Moss Point, Mississippi

Investigation of the high school complex to determine the extent of structural damage to the high school complex due to an EF-2 tornado.

Parking Garage | Loyola University | New Orleans, Louisiana

Investigation of a car impact on the third level of a parking garage to determine the extent of structural damage to the concrete parking garage.

Dollar General Store | Dollar General Corporation | Bogalusa, Louisiana

Investigation of the one-story building to determine the extent of damage due to fire.

Boswell Regional Center | State of Mississippi | Magee, Mississippi

Investigation of two buildings on the Boswell Regional campus to determine the extent of structural damage due to an EF-2 tornado.

Commercial Structural Engineering Design Experience:

LSU Tiger Stadium West Side Upper Deck Expansion | Baton Rouge, LA

Engineer of Record for the project including three levels of stadium club seating with a new Press level and an upper deck expansion making venerable Tiger stadium the fifth largest college stadium in the United States.

LSU PMAC Basketball Practice Addition | Baton Rouge, Louisiana

Engineer of Record for the project included a press room, two gyms, training areas, and coach's offices for the LSU Men's and Women's basketball teams.

Hollywood Casino Central Plant & Back of House Additions | Bay St. Louis, Mississippi

Project Manager for the new two-story (141,000 sq ft) land based back of house additions.

Joseph Davies Elementary School | Meraux, Louisiana
Engineer of Record for the new one story (85,000 sq ft) school.

Fountain Park Centre Office Building E | Harvey, Louisiana
Engineer of Record for the new two-story (48,000 sq ft) office building.

SunTrust Bank | Tampa, Florida
Project Manager for the new thirty-five story (824,000 sq ft) office building in downtown Tampa.

One Waterford Place | Miami, Florida
Engineer of Record for the new ten-story (275,000 sq ft) office building adjacent to Miami International Airport.

One Waterford Place Parking Garage | Miami, Florida
Engineer of Record for the new five story (325,000 sq ft) parking garage.

University of South Florida Eye Institute | Tampa, Florida
Engineer of Record for the new four-story (120,000 sq ft) medical building.

Tampa Convention Center | Tampa, Florida
Structural engineer responsible for the 180-foot span truss design over the convention level floor for the new 550,000 sq ft building.

River City Center | Ft. Lauderdale, Florida
Structural engineer responsible for the lateral design of the new twenty-two story (525,000 sq ft) office building.

Gateway Office Building | Atlanta, Georgia
Structural engineer responsible for the lateral design of the new twenty-story (480,000 sq ft) office building.

Professional Experience:

EFI Global – LCL | Baton Rouge Field Office | Senior Principal Engineer | Louisiana | 2021 to 2022 and 2023 to Present

ESI | Baton Rouge Field Office | Senior Consulting Engineer | Louisiana | 2022 to 2023

Thomas Forensic Engineering Inc | Baton Rouge, Louisiana | Owner | 2020 to 2021

Jacobs Engineering/Worley | Baton Rouge, Louisiana | Project Manager / C/S Engineering Department Manager | 2010 to 2020

Thomas & Luth Structural Engineers Inc | Baton Rouge, Louisiana | Owner | 2005 to 2010

Schrenk & Peterson | Baton Rouge, Louisiana | Senior Structural Engineer | 2002 to 2005

CDI Engineering | Baton Rouge, Louisiana | C/S Engineering Department Manager | 1998 to 2002

Jacobs Engineering | Baton Rouge, Louisiana | Supervising Principal Engineer | 1989 to 1998

Walter P. Moore & Associates | Tampa, Florida | Associate | 1986 – 1989

Huck & Ragland Structural Engineers | Baton Rouge, Louisiana | Associate | 1984 – 1986

Rayner & McKenzie Structural Engineers | Baton Rouge, Louisiana | EIT | 1983 – 1984

Education:

Bachelor of Science - Civil Engineering | Louisiana State University | Baton Rouge, Louisiana | 1980

Master of Science - Civil Engineering | Louisiana State University | Baton Rouge, Louisiana | 1983

Seminar Presentations:

2017 Pile Driving Contractors Association Gulf Coast Chapter Engineers Conference | New Orleans, Louisiana | **Topic:** Pile Driving – Codes & Standards

2014 Louisiana Civil Engineering State Conference & Show - Joint Sponsor of ASCE and ACI | New Orleans, Louisiana | **Topic:** Design and Detailing of a Reciprocating Compressor on a Concrete Block Foundation Supported by Piles

2009 Civil Structural Department | Jacobs Office, Baroda, India | **Topic:** ACI 318 and Modular Structural Steel Design

2006 American Society of Civil Engineers (ASCE) Seminar | Baton Rouge, Louisiana | **Topic:** Hurricane Katrina – Structural Assessments – Observations and Findings.

2006 American Society of Civil Engineers (ASCE) Seminar | Baton Rouge, Louisiana | **Topic:** Presentation as the EOR for the Design of the LSU Tiger Stadium Westside Upper Deck Addition followed by a tour of the completed stadium.