

Jason C. Faulkner, P.E., S.E., MBA

Principal Engineer

Mr. Faulkner has over 20 years of experience in structural design, structural assessment, structural rehabilitation, and failure investigation. He has a broad array of experience in the design and evaluation of residential, commercial, historical, industrial, aviation, educational, fossil power, and nuclear power structures. He is also a NCEES model law structural engineer passing the 16-hour NCEES structural engineering exam with expertise in the design of structural steel, cold-formed steel, reinforce concrete, masonry, and wood framed structures in high wind and high seismic regions. At CTLGroup, Mr. Faulkner utilizes his expertise in structural engineering providing structural condition assessments of existing structures for property damage insurance claim investigations, litigation support, and forensic structural engineering. He also plays a lead role in developing CTLGroup's Texas presence.

Representative Experience

Structural Evaluation and Failure Analysis of Buildings

Property Damage Insurance Claims Investigations, Multiple States

Catastrophe response to Hurricanes as well as numerous hailstorm and flood events. Forensic engineering experience in cause and origin analysis, construction defects, installation defects, building envelope assessments, code compliance analysis, and damage assessments of commercial, residential, and marine properties.

Litigation Support, Multiple States

Litigation experience as the lead testifying expert for commercial and residential construction defect claims involving building envelope, moisture intrusion, stucco, concrete, masonry, waterproofing, roofing and other building components.

Wastewater Lift Station Evaluation, Sarasota, FL

Evaluated an existing wastewater lift station for compliance with legislation that required critical infrastructure to be certified for Category 3 hurricanes. Identified wind and flood deficiencies and provided recommendations.

Staples Pake Building, Mobile, AL

Renovation of a three-story historical building in downtown Mobile, AL. The renovation involved structural modifications to meet modern design code requirements while preserving historical elements. A new flood proof barrier with removable aluminum panels was designed to permit occupancy of the first-floor units. To preserve the historic mosaic floors the soil was fortified for the flood proofing system to meet FEMA design requirements with the use of soil injection.



Academic Credentials

MBA - Finance, University of North Texas, Denton, TX 2023

Masters of Structural Engineering
Illinois Institute of Technology,
Chicago, IL 2010

Bachelor of Science, Civil
Engineering (Magna cum Laude)
University of South Florida, Tampa,
FL 2003

Licensure & Certifications

Professional Engineer: AL, AR, AZ,
CO, CT, FL, GA, IA, IL, IN, KS, KY,
MA, MD, MI, MN, MO, MS, MT, NC,
ND, NM, NY, OH, OK, OR, PA, SC,
TN, TX, VA, VT, WI, WV

Structural Engineer: IL, LA, NE,
NV, OK, VT, WY

Civil Engineer: CA

NCEES Model Law Structural
Engineer

Affiliations

XE – Civil Engineering Honors
Society

Tau Beta Pi – Engineering Honor
Society

Contact Information

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Principal Engineer

Allegiant Field Retractable Seating, Las Vegas, NV

Engineer of record for the retractable seating system that permits the natural grass field to be retracted outside to receive natural light. The design included customized non-retractable seating interlocking between the concrete stadium seating and the retractable seating utilizing 3-D RISA finite element software for analysis.

Data Center Design, Sacramento, CA

Engineer of record for new four-story data center. The lateral force resisting system consisted of concrete filled HSS steel buckling-restrained braced frames to resist high seismic design loads.

Zion Nuclear Power Plant Decommissioning, Zion, IL

Provided structural engineering support for the safe demolition of the Zion Nuclear Power Plant and construction of the Isolated Spent Fuel Security Installation (ISFSI).