



Contact Info
630.819.5483 D
630.325.6160 O
312.259.1608 M
btlammert@rrj.com



Brian T. Lammert

P.E., S.E.
Associate Principal

About Brian

Brian Lammert has 18 years of forensic structural engineering experience specializing in field investigation and testing of distressed structures, nonperforming building enclosure systems, and structural failures and collapses. His engineering expertise is broad, ranging from structural design peer review and structural analysis to the development of repair design drawings and construction documents for aged buildings and new structures.

He has led investigations consisting of detailed condition surveys and documentation involving the evaluation of cladding systems, and steel, concrete, masonry, wood, and stone materials. Project types have included aviation terminals, stadiums, bridges, residential buildings, resorts, and healthcare facilities located across the U.S. and the globe.

An expert in field/laboratory testing, he designs and implements experimental tests to evaluate structural performance and to determine the cause of collapses through failure reconstruction testing for litigation-related claims.

Mr. Lammert's structural analysis experience includes computer modeling of existing structures and structural components, calculation review, and design using a variety of materials.

Education

Master of Science in Civil Engineering, 2004
University of Illinois at Urbana-Champaign

Bachelor of Science in Civil Engineering, 2003
With Highest Honors; Specialization in Structures
Minors in Technology & Management, and
International Studies in Engineering
University of Illinois at Urbana-Champaign

Licensure | Certification

Structural Engineer IL
Professional Engineer IL, IN, and OH
Construction Documents Technologist (CDT)

Professional Affiliations

American Institute of Steel Construction (AISC)
American Iron and Steel Institute (AISI)
American Society of Civil Engineers (ASCE)
American Concrete Institute (ACI)
ASTM International
Indiana Structural Engineers Association (ISEA)
Structural Engineers Association of Illinois (SEAOI)



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Publications

"Designing Plaza Hardscapes," *The Construction Specifier*, B.T. Lammert and K.R. Hoigard, April 2014

"Plaza Construction – What Lies Beneath," *RRJ Insight* Issue No. 29, B.T. Lammert and K.R. Hoigard, June 2012

"Material Strength Considerations in Dimension Stone Anchorage Design," *Dimension Stone Use in Building Construction*, ASTM STP 1499, K.R. Hoigard and M.J. Scheffler, Eds., ASTM International, West Conshohocken, PA, and *Journal of ASTM International*, Vol. 4, No. 6, Paper ID JAI101102, B.T. Lammert and K.R. Hoigard, October 2007

Presentations

"A Perfect Storm: The Indiana State Fair Stage Canopy Collapse," Lunch-n-Learn Seminar, Society of Illinois Construction Attorneys, Chicago, IL, K.R. Hoigard and B.T. Lammert, June 21, 2016

"Tall Curtain Wall Systems and Large Seismic Drift," North American Steel Construction Conference-The Steel Conference, Orlando, FL, R.W. Kritzler and B.T. Lammert, April 13-15, 2016

"When 1 Test is Worth More Than 10 Expert Opinions," *Construction SuperConference*, San Diego, CA, O.C. Guedelhoefer and B.T. Lammert, December 2015

"Using an Alternative Method of Analysis to Evaluate Punching Shear Capacity in Existing Pre-Tensioned Shear Reinforced Concrete Floor Slabs," *Proceedings of the 2015 Structures Congress*, Portland, OR, R.W. Kritzler, B.T. Lammert, W.J. Macicak, and O.C. Guedelhoefer, April 24, 2015