

Landon Rife, PE

Forensic Engineering Expertise

Structural Analysis/Design

Review appropriate documents, including project plans and specifications as it relates to the building structure for purposes of failure analysis and extent of resulting damages. In addition, being a licensed professional engineer and practicing structural engineering, replacement designs are provided upon request.

Origin & Cause

Determine the source and responsible party or element related to the failure of a structural or architectural element, or water damage in a building. Examples of past work include failure of roofing and wall cladding causing moisture entry, humidity and condensation related losses, and groundwater.

Inspection and Evaluation of Roofing Systems

This includes steep and low slope roofs as well as various types of roofing materials, including both common and unique roofing applications. Past work involved offering opinions and repairs related to installation deficiencies and storm-related damages, including for hail and wind.

Qualifications & Training

- Single-Ply Roofing Technology, Carlisle Construction Materials Webinar, January 2025
- Roofing Wind Speeds, Carlisle Construction Materials Webinar, January 2025
- PVC Roofing Materials, Carlisle Construction Materials Webinar, January 2025
- Electronic Leak Detection, Carlisle Construction Materials Webinar, January 2025
- Roof Technology and Science II, International Institute of Building Enclosure Consultants (IIBEC) Webinar, January 2025
- Roof Technology and Science I, International Institute of Building Enclosure Consultants (IIBEC) Webinar, February 2023
- Shoring and Load Transfer in Renovations of Existing Buildings, National Council of Structural Engineers Associations (NCSEA) Webinar, November 2022
- Water Entry Prevention and Moisture Control in Buildings, University of Wisconsin-Madison Webinar, April 2022
- Exterior Wall Technology and Science, International Institute of Building Enclosure Consultants (IIBEC) Webinar, April 2022
- Indiana War Memorial - Building Envelope Assessment and Repair, Indiana Structural Engineers Association (ISEA) Webinar, October 2020
- Forensic Engineering CV, National Academy of Forensic Engineers (NAFE) Webinar, August 2020
- Daubert Hearing, National Academy of Forensic Engineers (NAFE) Webinar, August 2020
- Credibility and Persuasion, National Academy of Forensic Engineers (NAFE) Webinar, August 2020
- Video Depositions, National Academy of Forensic Engineers (NAFE) Webinar, August 2020
- Deposition and Court Testimony, National Academy of Forensic Engineers (NAFE) Webinar, August 2020
- Evidence Handling, National Academy of Forensic Engineers (NAFE) Webinar, August 2020
- Moisture Migration: Causes & Cures, Carlisle SynTec Webinar, July 2020

- Structural Building Condition Surveys, American Society of Civil Engineers (ASCE) Webinar, March 2020
- Evaluation and Repair of Concrete Buildings, Indiana Structural Engineers Association, Inc. (ISEA) Conference, March 2020
- Continuous Load Path/Wood Deck Workshop, Simpson Strong-Tie Conference, April 2019
- Renovation of Slabs on Grade, American Society of Civil Engineers (ASCE) Webinar, April 2019
- Masonry Wall Design, Indiana Structural Engineers Association, Inc. (ISEA) Conference, March 2019
- Masonry Wall Infill Design, Indiana Structural Engineers Association, Inc. (ISEA) Conference, March 2019
- Lintel Design and Detailing, Indiana Structural Engineers Association, Inc. (ISEA) Conference, March 2019
- Seismic and Wind Design Considerations for Wood Framed Structures, Indiana Structural Engineers Association, Inc. (ISEA) Conference, March 2019
- Reinforced Masonry Design, William Coulbourne, P.E., F. ASCE, F. SEI Webinar, May 2018
- Unreinforced Masonry Design, William Coulbourne, P.E., F. ASCE, F. SEI Webinar, May 2018
- Hurricane Damage Investigations - Wind vs. Water, William Coulbourne, P.E., F. ASCE, F. SEI Webinar, May 2018
- Wind Design Using ASCE 7-10, William Coulbourne, P.E., F. ASCE, F. SEI Webinar, May 2018
- Building Pathology: Roofs, Samuel Harris Webinar, May 2016
- Use of Steel in Design & Construction, David Turner Webinar, April 2016

Education

Bachelor of Science Degree in Civil Engineering
Ohio Northern University, Ada, OH
May 2009

Licenses & Certifications

PE - Professional Engineer
Licensed by the State of Indiana - Number PE11400317
Licensed by the State of Michigan - Number 6201314809
Licensed by the State of Ohio - Number PE.91820

Employment History

Forensic Engineer
Nederveld, Inc.
2018 - Present
Duties include forensic engineering investigations related to buildings.

Structural Engineer
GPD Group, Indianapolis, IN
2009 - 2018
Structural analysis and modification design of various types of telecommunication structures.

Volunteer Laborer
Experience Mission, Hitoy Cerere National Reserve, Costa Rica
2007
Assisted in construction of 90-foot suspension footbridge for Bri-Bri tribe.

Expert Witness Experience

Deposition

February 2022

Kirk R. Kitzinger and Jacqueline Kitzinger v. Crestbrook Insurance Company
Expert Witness for Nationwide Insurance Company
Hamilton County Court, Case No. 1:21-cv-00534-RLY-DLP

March 2023

Maica L. Stroud and Robert J. Stroud v Gary L. Bojrab, Craig West, Berkshire Hathaway Home Services/Indiana Realty, Sonya R. Pickett, Re/Max Real Estate Solutions, and Benjamin Bojrab
Expert Witness for Nationwide Insurance Company
Madison Circuit Court Division 6, Case No. 48C06-2004-CT-000064

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