



Professional Summary

Brandon D. Bealmear is a distinguished Fenestrations Practice Leader and Forensic Engineer, bringing over 17 years of comprehensive experience in evaluating and designing with various construction materials, including glass, wood, aluminum, concrete, and masonry. Mr. Bealmear holds the FGIA/AAMA Certified Fenestration Master designation, featuring an extensive background in forensic engineering, quality control, and developing testing protocols for building envelopes. His expertise encompasses residential and commercial property forensic analysis, construction defect evaluation, and damage assessment following significant environmental impacts.

Professional Licensure

Registered Professional Engineer (P.E.)

States: Arkansas, Florida, Illinois, Indiana, Iowa, Kansas, Kentucky, Minnesota, Missouri, Nebraska, Tennessee, Texas, Wisconsin

CONTACTS



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1939 Wentzville Pkwy. #192
Wentzville, MO 63385

Academic Background

Bachelor of Science in Civil Engineering

Missouri University of Science &
Technology, 2008

Bachelor of Science in Architectural Engineering

Missouri University of Science &
Technology, 2008

Employment Background

Haag Engineering Co.

Fenestrations Practice Leader
Senior Engineer
2019 - 2024

Envista Forensics

Fenestrations Technical Leader
Senior Engineer
Project Engineer
2014 - 2019

Heitmann & Associates

Project Manager
Architectural Engineering Consultant
Architectural Engineering Designer
2008 - 2014

Areas of Expertise

Structural Evaluations

- Residential, industrial, and commercial buildings
- Concrete, steel, timber, and masonry structures
- Foundations, basements, and crawlspaces

Damage Assessments

- Hail damage
- Thunderstorm wind damage
- Fire damage
- Hurricane damage
- Tornado damage
- Flood and surge damage
- Moisture ingress

Building Envelope Design

- Brick Veneer
- Adhered Masonry Veneer
- Metal Panel Wall Systems (Rainscreen and Pressure Equalized)
- Exterior Insulation and Finish System (EIFS)
- Traditional Stucco
- Fixed and Operable Windows
- Horizontal and Vertical Ribbon windows
- Window Wall Systems
- Sliding and Swinging Entry Doors
- Skylights
- Curtain Wall and Storefront Systems

Fenestration Consulting

- Design and performance
- Specifications
- Mock-up evaluation and testing
- Construction defect analysis
- Damage assessment and repair

Flooring Evaluations

- Slip resistance assessments

Roofing Systems

- Evaluation of manufacturing and installation defects
- Damage assessments (e.g., wind and hail damage)

General Civil Engineering

- Building code compliance
- Property drainage issues
- Site features and retaining wall assessment