

Michele A. Bogdon, PE, EVS/R®, CXLT | Principal Engineer

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Professional Summary:

As a principal engineer, Ms. Bogdon is responsible for the forensic investigations of various types of structural facilities in commercial and residential buildings including foundation analysis, water intrusions, roof inspections, structural failures, hurricane damages, and slip/trip and fall incidents. She is also responsible for facilities services including property condition assessments for lenders, sellers, and buyers of various types of commercial properties. She is a registered professional engineer with experience in structural engineering and project management.

Ms. Bogdon's professional career contains a broad background of structural engineering experience in the areas of residential, commercial, and industrial buildings, research and development, and telecommunications as well as property condition assessments for facilities services.

- Timber design
- Structural steel design
- Reinforced concrete design
- Masonry design
- Project Management
- Report and manual writing
- Property Condition Assessments
- Slip/Trip and Fall Assessments

Licenses and Certifications:

Professional Engineer, Arizona, License #38231
Professional Engineer, Arkansas, License #10923
Professional Engineer, Colorado, License #36854
Professional Engineer, Connecticut, License #21349
Professional Engineer, Florida, License #58304
Professional Engineer, Kansas, License #15338
Professional Engineer, Kentucky, License #22112
Professional Engineer, Louisiana, License #30408
Professional Engineer, Massachusetts, License #42501
Professional Engineer, Mississippi, License #17013
Professional Engineer, Nevada, License #15984
Professional Engineer, New Jersey, License #42076
Professional Engineer, New Mexico, License #15832
Professional Engineer, New York, License #77137
Professional Engineer, Oklahoma, License #20529
Professional Engineer, Texas, License #87473
Professional Engineer, Utah, License #517654-2202
EVS/R – Roof Specialist
CXLT, Certificate #1901751 – English XL Tribometer
sUAS – small unmanned aircraft system Remote Pilot Certification

Project Experience:

EFI Global, Inc., Arkansas, Florida, Oklahoma, Texas, Utah, Louisiana Structural Projects

Investigated structures for areas of failure from fires, hurricanes, tornados, hail, wind, and construction defects. Performed site visits and investigations to determine amount of structural damage and potential repairs. Performed site visits for slip and fall and trip and fall investigations.

EFI Global, Inc., Dallas, Texas DFW Business Center

Performed seismic calculations for an existing building to determine if retrofitting necessary per the federal government guidelines.

EFI Global, Inc., Arkansas, Colorado, Oklahoma, Louisiana, Texas Water Intrusion Projects

Performed site visits and investigations into the cause of water intrusion causing mold damage to various residences and commercial structures.

EFI Global, Inc., Arizona, Arkansas, Oklahoma, Louisiana, New Mexico, Texas Foundation Projects

Performed site visits and investigations including foundation surveys to determine if the plumbing leaks caused foundation movement to various residences and commercial structures.

EFI Global, Inc., Arkansas, Florida, Oklahoma, Louisiana, New Mexico, Texas Roof Investigation Projects

Performed site visits and investigations to determine if wind or hail caused damage to roofs of various residences and commercial structures.

EFI Global, Inc., Oklahoma, Kentucky, Texas Slip/Trip and Fall Investigation Projects

Performed site visits and investigations to research code compliance and/or obtain slip resistance measurements for various sites.

EFI Global, Inc., United States Property Condition Assessments

Performed site visits to determine the condition and required repairs/replacement items of each of the building and site components. Investigated any additional scope requirements (locating water intrusion sources, determining deferred maintenance items, determining structural condition, etc.). Determined cost estimates for capital expenditures. Researched the drawings, building history, and code information.

Presnell Group, Pikeville, Kentucky Eastern Kentucky Exposition Center

Designed and detailed the structural plan including the calculations for the lateral analysis, beams, slabs, canopies, and overhangs for the arena. Interfaced with the architect to provide solutions to various issues.

Carter & Burgess, Inc., Texas, Colorado, Kansas, Missouri Winstar Projects

Performed site investigations for the telecommunications industry for placement of antennas and suite build-outs and/or renovations. Responsible for two multi-disciplined teams.

**Hanington Engineering Consultants, Greenwich, Connecticut
Cohen Residence**

Designed and detailed the structural plans for the renovation and addition of an approximate 33,000 sq. ft. residence, which included an indoor swimming pool, ice rink, basketball court, and stock trading center. Interfaced with architect and builders to ensure the home was built according to the plans.

**Hanington Engineering Consultants, Alpine, New Jersey
Stark Residence**

Designed and detailed the structural plans for a new 22,000 sq. ft. residence including an indoor swimming pool and weight room. Interfaced with architect and builders to ensure the home was built according to the plans.

**Butler Manufacturing, Grandview, Missouri
Shadowall™ Project**

Managed the research and development of the design and implementation of the Shadowall™ wall panel project. Proofed roll lines, and wrote the material specifications, builder erection manual, and the specification to program Butler proprietary software.

**Butler Manufacturing, Virginia
Dry Mill Complex**

Designed and detailed custom parts for the metal buildings in the complex and evaluated the design of the engineer who designed the remaining buildings.

**Bliss & Nyitray, Inc., Charlotte, North Carolina
Carolina Panthers NFL Stadium**

Assisted senior engineers with the design and detailing including lateral analysis, scoreboard, and miscellaneous beam calculations.

Expert Witness Testimony: Court Qualifications/Depositions/Testimony:

Ms. Bogdon has extensive experience testifying as an expert witness in mediation, arbitration, depositions, and trials and has been accepted as an expert witness in numerous jurisdictions.

*List of Expert Witness Testimony Experience is Available Upon Request.

Professional Experience:

EFI Global, Inc. Plano, TX, Senior Engineer, 2001 - Present
Presnell Group (QK4), Bedford, TX, Structural Project Engineer, 2000 - 2001
Carter & Burgess, Inc., Fort Worth, TX, Assistant Project Manager, 2000 - 2000
Hanington Engineering Consultants, Flanders, NJ, Structural Project Engineer, 1998 – 2000
Butler Manufacturing, Grandview, MO, (Laurinburg, NC), Engineer II, 1995 – 1998
Bliss & Nyitray, Inc., Coral Gables, FL, Structural Engineer, 1994 – 1995

Formal Education:

Master of Science, Architectural Engineering, Kansas State University, Manhattan, KS 1992
Bachelor of Science, Civil Engineering, University of Miami, Coral Gables, FL, 1991
Bachelor of Science, Architectural Engineering, University of Miami, Coral Gables, FL 1991

Affiliations:

American Society of Civil Engineers
Architectural Engineering Institute
Structural Engineering Institute
ASTM

Publications and Presentations:

Bogdon, Michele. "Fiber Optic Lighting." Master's Thesis, 1992
Amori, PE RRC, David and Bogdon, PE Michele. "Squaring the Slab - An Engineering Perspective on Evaluating Foundations for Reuse", October 2014