

Brenton J. Barnette, P.E. | Civil/Structural Engineer

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Professional Summary:

Mr. Barnette has over 12 years' experience in the engineering profession, performing design and forensic investigations of commercial, industrial, and residential structures. His diverse background in engineering allows him to communicate effectively with contractors, homeowners, and insurance industry representatives. Some of Mr. Barnette's specific areas of focus are as follows:

- Structural failures of building components and systems
- Determination of cause and origin of damages to commercial, industrial, and residential property
- Catastrophe Inspections (structural), including hurricane, tornado, and flooding events
- Concrete, masonry, structural steel, and wood designs
- Residential Design
- Civil/Structural repair designs
- Hail/Wind Damage to Roofs – Commercial and Residential
- Forensic Investigations

Licenses and Certifications:

Professional Engineer, Georgia, License #42926

Professional Engineer, North Carolina, License #38552

Professional Engineer, South Carolina, License #32827

Professional Engineer, Virginia, License #57521

Professional Engineer, Florida, License #82714

Professional Engineer, Texas, License #127865

Model Law Engineer (MLE), National Council of Examiners for Engineering and Surveying

Project Experience:

- EFI Global, Inc., Duluth, GA
Commercial Tile Roof Inspections (Miami, FL)
Inspected the clay tile roofs of over 50 condominium units to determine whether or not the roofs sustained damage from Hurricane Irma in 2017.
- EFI Global of North Carolina, P.C., Charlotte, NC
Catastrophe Inspections (Houston, TX)
Inspected numerous residential and commercial structures in and around Houston, Texas for flood and wind damage in the aftermath of Hurricane Harvey in 2017.

- EFI Global of North Carolina, P.C., Charlotte, NC
Tree Impact Investigation (Columbia, SC)
Inspected a residential structure after a tree impact caused a partial collapse of the structure in order to determine the extent of damage to the structure.
- Towery Consulting and Engineering, PLLC, Lawndale, NC
Steel Design – Wix Filtration, Gastonia, NC
Designed a steel support system (beams, columns, footing, etc.) for an existing floor structure to allow for the installation of new manufacturing equipment.
- Towery Consulting and Engineering, PLLC, Lawndale, NC
Residential Design
Provided structural design and drawings for numerous custom homes in North and South Carolina.

Professional Experience:

- EFI Global, Inc., Civil/Structural Engineer, 2016-Present
- Brenton J. Barnette Engineering, Civil/Structural Engineer, 2015-2018
- Towery Consulting and Engineering, PLLC, Structural Engineer, 2015-2018
- North Carolina Department of Transportation, Engineer, 2006-2015

Education:

Bachelor of Science in Civil Engineering (B.S.C.E.), The University of North Carolina at Charlotte, Charlotte, NC, 2006