

## Brian Danzis | Forensic Engineer, P.E.

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### Professional Summary:

Mr. Danzis has 13+ years of experience in the field of residential structural engineering. He obtained his Master of Civil Engineering: Structures degree from the University of South Florida in 2013. His area of expertise is in residential structural engineering for new/existing construction. Mr. Danzis has experience with the Florida Building Codes and has engineered numerous residential structures throughout the state of Florida, ranging from single-story, single-family dwellings to multi-story, multi-family townhomes.

### Areas of Expertise:

- Residential structural engineering
- New and existing structures
- Knowledgeable in the design of masonry, concrete, steel and lumber
- Cause and origin investigations
- Damage assessments – water, termite, vehicle impact, fire, storm

### Licenses and Certifications:

Professional Engineer, FL, License #81262

Professional Engineer, TX, License #129445

Professional Engineer, DE, License #21804

Professional Engineer, PA, License #PE087210

### Project Experience:

#### **Monta Consulting and Design, Lake Mary, FL**

##### **New Construction - Townhome**

Completed the engineering design of an 8-unit, three-story townhome comprised of pre-engineered wood trusses, wood framing, masonry and concrete.

#### **Monta Consulting and Design, Lake Mary, FL**

##### **Remodel – Residential structure**

Completed a site study and structural engineering to add a second story to an existing single-story wood framed structure built upon a beam and pier foundation.

#### **Florida Structural Engineering, Inc., Tampa, FL**

##### **Foundation Design – SODC at MacDill Air Force Base**

Completed the foundation engineering for a pre-engineered metal building located at MacDill Air Force Base.

### Professional Experience:

EFI Global, Forensic Engineer, 2019 – Present  
Monta Consulting and Design, Chief Engineer, 2013 – 2019  
Florida Structural Engineering, Inc., Engineer-In-Training, 2010 – 2013

### Specialized Education:

Advanced Roofing Certification, Vale Training, 2022  
Anatomy of Construction Defects, RedVector, 2019  
Hurricane Damage Investigations – Wind vs. Water, RedVector, 2019  
Roofing – Flexible Membrane Wind Load Design, RedVector, 2019  
Leak Detection for Roofs, RedVector, 2019  
Hurricane Mitigation Techniques and Inspection, RedVector, 2019  
Pier and Beam Foundation Design, RedVector, 2019  
Designing Buildings for Tornadoes, RedVector, 2018  
Lateral Design of Midrise Wood Structures, RedVector, 2018  
Basic Wind Loads ASCE 7-10, RedVector, 2018

### Education:

Master of Civil Engineering, Structures, University of South Florida, Tampa, FL, 2013  
Bachelor of Science in Civil Engineering, Magna Cum Laude, University of South Florida, Tampa, FL 2011

### Affiliations:

Tau Beta Pi, Florida Gamma Chapter, Tampa, FL