

Jonathan M. Brkich | Senior Structural Engineer, P.E.

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Professional Summary:

Jonathan is a structural engineer with over 16 years of professional experience, which includes various types of design and project management duties. His engineering experience includes a wide variety of structural engineering projects that involved commercial, industrial, and residential industries, including new construction, renovation and forensic investigations.

- Structural Design and Analysis
- Structural Evaluation
- Project Management
- Site Investigation
- Renovation/Restoration
- Disaster Relief – Building Evaluation
 - Tornado
 - Hurricane
 - Flood
 - Fire Damage (Structural Assessment)
 - Vehicle Impact

Licenses and Certifications:

Professional Engineer, FL, License #76447

Project Experience:

EFI Global, Orlando, Florida

Forensic Structural Engineer responsible for performing inspections of buildings and homes to assess damages due to severe weather events throughout the state of Florida, involving identifying damaged structural members and cladding components and recommended repairs.

EFI Global, Orlando, Florida

Disaster Relief: Hurricane Irma (2017) and Hurricane Michael (2018)

Forensic Structural Engineer responsible for inspection of residential and commercial buildings for damage/failure assessment by applying principles in accordance with engineering industry standards. Responsibilities include conducting field investigations and analyzing fire/failures/accident for causation and damage extent, along with repair recommendations.

TLC Engineering for Architecture, Orlando, Florida

Rust Remediation and Structural Repairs to UCF Spectrum Stadium

Lead structural engineer responsible for survey of existing steel stadium structure for rust remediation and providing structural repairs.

TLC Engineering for Architecture, Orlando, Florida
Belmont Retirement Village, Ft Lauderdale, Florida

Structural engineer responsible for design and project management for a 13-story post-tension concrete building in South Florida.

Winter Park Engineering Services, Winter Park, Florida

Lead structural engineer for residential custom homes ranging from 5,000 to 16,000 square feet throughout Florida, mainly involving construction using masonry, wood, concrete and steel.

Jacobs Engineering, Orlando, Florida

NASA Kennedy Space Center Operations & Check-out Building Renovation: Cape Canaveral, FL -Lead structural engineer for Architectural & MEP equipment renovation of 4 story building renovation (100,000+ square feet) containing multiple building construction types including precast, pre-stressed concrete, and 2-way floor and roof slabs, masonry, etc.

Jacobs Engineering, Orlando, Florida

Publix Supermarket Renovation Program: Multiple locations throughout the Southeast US Structural discipline program lead and Engineer of Record for renovation program involving reconfiguration of space, additions, repairs, MEP support, and project management duties.

Florida Design Solutions, Apopka, Florida

Lead structural engineer for residential production and custom single and multi-family homes throughout Florida, mainly involving construction using masonry, wood, and concrete.

Professional Experience:

EFI Global, Forensic Structural Engineer, 2018-Present
TLC Engineering, Structural Engineer II, 2016-2018
Winter Park Engineering Services, Lead Structural Engineer/Director of Engineering, 2015-2016
Jacobs Engineering, Professional Engineer, 2013-2014
Jacobs Engineering, Engineer-In-Training, 2008-2013
Florida Design Solutions, Engineer-In-Training, 2004-2008

Education:

Bachelor of Science in Civil Engineering, University of Central Florida, Orlando, FL, 2004

Specialized Education:

Concrete Standards and Requirements, Red Vector, 2017
Concrete 2: Repair Planning and Preparation, Red Vector, 2017
Concrete 3: Methods, Materials and Maintenance, Red Vector, 2017
Structural Forensic Engineering, Half Moon, 2019
Roofing Material – Concrete Tiles, Red Vector, 2021
Roofing Material – Asphalt Shingles, Red Vector, 2021
Roofing Material – Flexible Membrane, Red Vector, 2021
Leak Detection for Roofs, Red Vector, 2021
Florida Building Code: Advanced Course, PDH Academy, 2016, 2019 and 2021