

Randy Ciarlone | Senior Forensic Engineer, PE

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Professional Summary:

Mr. Ciarlone is a Civil/Structural Engineer with experience structural design and forensic investigations. Mr. Ciarlone's structural design experience includes industrial and commercial buildings incorporating the use of steel, concrete, CMU, and wood. Forensic experience includes roof inspections for wind and hail damage, water intrusion/leaks, wood and tile flooring damages, structural evaluations of fire and vehicular impact damage, and sinkhole investigations. His key strengths include the following:

- . Forensic cause and origin investigations
- . Sinkhole and subsidence investigations per F.S. §627.706
- . Design and monitoring of underpinning projects
- . Hands on experience in residential construction and roofing
- . Threshold inspections
- . Structural design of tilt panel industrial warehouses and CMU retail structures
- . CAD design

Licenses and Certifications:

Professional Engineer, FL, License #73919

Haag Certified Residential Roofing Inspector, HCRI #201404160

Project Experience:

Madison Industrial Park, Tampa, FL Industrial Warehouse Buildings

Responsible for the creation of structural building plans and construction management for buildings "A" through "E" which contain a cumulative total of over one million square feet of office and warehouse space.

Publix Riviera, Riviera Beach, FL Commercial Retail

Responsible for the creation of structural building plans and construction management of a custom Publix store that contained a ground floor grocery store with two levels of parking above.

Professional Experience:

EFI Global, Senior Forensic Engineer, 2014 – Present

Central Florida Testing Laboratories, Inc., Forensic Structural Engineer, 2012 – 2014
Center for Innovative Structures, Inc., Project Engineer, 2005 – 2012

Specialized Education:

Florida Ethics for Professional Engineers, EZ PDH 2019
Florida Laws & Rules for Professional Engineers, EZ PDH 2019
Advanced Fabricated Building EZ PDH 2019
Durability by Design EZ PDH 2019
Innovative Building Technology. EZ PDH 2019
Ethics for Professional Engineers, EZ PDH 2017
2014 Advanced Florida Building Code-Significant Code Changes, EZ PDH 2017
Pavement Design for Roads, Streets, Walks, and Open Storage Areas, EZ PDH 2017
Conduits, Culverts, and Pipes Part I. EZ PDH 2017
Hurricane Mitigation: Summary Report on Building Performance. EZ PDH 2017
Deterioration of Concrete EZ PDH 2017
Florida Laws and Rules for Engineers-PDH Library, 2015
Haag Certified Residential Roofing, 2014
CHANCE Helical Piles & Tieback Seminar, Foundation Technologies, Inc. in Cooperation with CHANCE Civil Construction, 2013
An Introduction to Helical Foundation Systems, Helical Soil Nails and Push Piers, Foundation Support Works, Inc., 2012
Wind Load Calculations and Other Wind Issues, University of Florida, 2012
Wind Load Calculations: Structural Applications, University of Florida, 2012

Education:

Bachelor of Science, Civil Engineering, University of South Florida, Tampa, FL, 2005

**Court and Litigation CV available on request