

FORCON INTERNATIONAL

JONATHAN WALLACE MILTON, P.E.

SUMMARY

Mr. Milton is a civil/structural engineer with over 25 years of experience which includes the investigation of storm and fire damage to residential and commercial structures and roofs, premises liability investigations, and construction defects.

EDUCATION

Bachelor of Science Civil Engineering - University of Florida - Gainesville, FL
Bachelor of Science - Nuclear Science - University of Maryland University College - College Park, MD
Master of Public Administration - Florida Atlantic University - Boca Raton, FL

PROFESSIONAL REGISTRATIONS

Registered Professional Engineer in the following States:

- Alabama (#23495)
- Colorado (#43651)
- Florida (#52032)
- Louisiana (#29702)
- Mississippi (#15305)
- North Carolina (#28046)
- South Carolina (#22119)
- Tennessee (#116846) - (Inactive)
- Texas (#122429)
- Virginia (#39279)

Professional Engineer, United States Virgin Islands (#0-12604-1B)

HAAG Certified Inspector (Commercial) - # HCI Number: 201604220

PROFESSIONAL ASSOCIATIONS/MEMBERSHIPS

American Society of Civil Engineers (ASCE)
Florida Engineering Society (FES)
National Society of Professional Engineers (NSPE)
International Code Council (ICC)
National Academy of Forensic Engineers (NAFE)
ASTM F13 Technical Committee on Pedestrian/Walkway Safety and Footwear
ASTM E58 Technical Committee on Forensic Engineering
National Council of Examiners for Engineering and Surveying (NCEES)

CERTIFICATIONS/BOARD POSITIONS

Florida Concrete and Products Association, Inc., Structure Masonry Inspector #SMI-1585
English XL Variable Incidence Tribometer Certified User - Certificate No. 255
State of Florida Certified Auxiliary Law Enforcement Officer
Advanced Structures Specialist (StS2), Florida Urban Search & Rescue Task Force
Martin County Construction Industry Licensing Board, 2009 - 2012
Windstorm Insurance Network, Inc. (WIND) Certified Appraiser
Florida Association of Search and Rescue, Structure Specialist Working Group - Chair, 2013-2017
Florida Engineering Leadership Institute (FELI) Graduate, Class of 2014
Hobe Sound Chamber of Commerce Board of Directors, 2014-2018, 2017 President
ASTM E58 Technical Committee on Forensic Engineering, Chair, 2016-2019

CAREER HISTORY

FORCON International – Independent Engineering Consultant

Providing forensic engineering and expert witness services regarding structural and roofing damage, moisture intrusion, and construction defects.

Milton Engineering Consultants, P.A. - Stuart, FL - President

Performs structural investigations and storm-related assessments of residential and commercial structures, including roofs. Provides direction to clients concerning code compliance issues and claims of construction defects, with special attention to ingress/egress evaluations and evaluating the slip resistance of walking surfaces. Trains and supervises staff of Professional Engineers in performing site inspections, forensic investigations, and technical report writing.

SEA, Ltd. - Ft. Lauderdale, FL - Senior Engineer, Civil

Performed structural analysis, foundation and roof investigations, vibration damage analysis (including blasting), and fire damage evaluation for residential and commercial structures. Also reconstructed construction-related accidents and performed ingress/egress evaluations, including evaluating the slip resistance of walking surfaces.

Florida Power & Light

St. Lucie Nuclear Plant - Ft. Pierce, FL - Plant Engineer

Held technical positions in Mechanical Maintenance Department and System and Component Engineering Group. Responsibilities included providing technical supervision to maintenance crews, root cause analysis of equipment failures (stationary and rotating), identifying system/component anomalies and resolving, and ensuring sufficient preventive maintenance programs for responsible system/ components to minimize equipment failures. Accountabilities included plant structures, compressors, HVAC systems fans, and small centrifugal pumps.

Nuclear Engineering Department - Juno Beach, FL - Nuclear Energy Engineer

Held position in Civil Engineering discipline, responsible for preparing/verifying Plant Change/Modification word documents, drawings and associated calculations; dispositioning Non-Conformance Reports and Change Request Notices; and preparing/verifying stand alone calculations to justify plant equipment acceptability.

CONTINUING EDUCATION

Courses and Certifications completed in the following areas:

- HAAG Certified Inspector (HCI) Course on Commercial Roofs, HAAG Engineering Company, 2019.
- Investigation, Analysis, and Remediation of Building Failures, ASCE, 2018.
- Workshop on Multifactorial Analysis of Slip and Fall Events: Implications for Forensic and Safety Professionals, ASTM, 2017.
- Designing and Building to Avoid Mold and Moisture Problems, HalfMoon Education, Inc., 2017.
- Slips, Trips and Falls International Conference 2017, Toronto Rehabilitation Institute, 2017.
- Advanced Florida Building Code Update, Florida Department of Business and Professional Regulation, 2017.
- Advanced Florida Building Code 5th Edition (2014) Accessibility, PACE, 2016.
- HAAG Certified Inspector (HCI) Course on Residential Roofs, HAAG Engineering Company, 2016.
- Structural Design for High Winds, WoodWorks, 2015.
- Forensic Engineering 7th Congress, ASCE, 2015.
- Engineering Investigations of Hurricane Damage, ASCE, 2015.
- ATC-20 and ATC-45 Post-Disaster Safety Evaluations Training Workshop, ASCE, 2014.
- Walkway Auditor Training Course: ASTM F2948, Forcon International, 2014.
- Bridge Damage Assessment, Florida Department of Transportation, 2014.
- Advanced Florida Building Code Update and Mitigation Techniques, Florida Department of Business and Professional Regulation, 2013.
- Introduction to the Concrete Repair Code (ACI 562), ACI, 2013.

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- Structural Building Condition Surveys: Looking for Trouble, ASCE, 2013.
- Understanding Slip & Fall Events: A Biomechanical Perspective, University of Southern California Division of Biokinesiology and Physical Therapy, 2012.
- 2010 Florida Building Code Seminar, Building Officials Association of Florida and the Florida Home Builders Association, 2012.
- 2010 Florida Building Code Update, Florida Engineering Society, 2011
- Investigation and Repair of Fire-Damaged Framing, ASCE, 2010
- English XL Variable Incidence Tribometer Certification Program, 2009.
- When Disaster Strikes: An Institute for Disaster Responders, International Code Council, 2008.
- Water Entry and Moisture Control in Buildings, The University of Wisconsin Madison, 2008.
- Wind versus Wave, HAAG Engineering Company, 2006.
- Wind and Drainage Theory, Roof Consultants Institute, Inc., 2006.
- Composition and Tile Roofs Damage Assessment, HAAG Engineering Company, 2006.
- Commercial Roofs Damage Assessment, HAAG Engineering Company, 2006.
- Building Codes in Florida, Lorman Education Services, 2006.
- Wind Loads for Buildings and Other Structures, ASCE, 2005.
- Florida Wind Provisions Course, ASCE Structural Engineering Institute, 2003.
- Masonry Construction and Inspection Workshop, Florida Concrete and Products Association, Inc., 2002.
- Slips, Trips and Falls, International Safety Academy, 2001.
- English XL Variable Incidence Tribometer Certification Program, 2000.
- Modern Blasting Technology and Risk Management, ASCE, 2000.
- Structural Condition Assessment of Existing Structures, ASCE, 1999.
- Roofing Technology, The Roofing Industry Educational Institute, 1998.