

MARK S. DENSMORE, P.E., S.I., DFE, FRSE

PROFESSIONAL SUMMARY

Mr. Densmore has 30 years of experience in the design and inspection of a variety of structural engineering projects, with 15 years of forensic investigative and expert witness experience. Mark's areas of expertise encompass a range of services in the civil/structural evaluations market for commercial and residential buildings. Additionally, Mr. Densmore provides litigation ready forensic engineering reports related to areas of reported property damage, and determines the cause, origin, and duration of the conditions.

In addition, Mr. Densmore's years of progressive engineering experience has made him well versed in the following forensic civil/structural areas:

- Cause of distress and recommendations for repair and/or replacement of structures.
- Structural repair, alteration, and renovations for existing structures.
- Evaluation of construction defects.
- Structural damage evaluations, structural collapse and/or failure investigations, roofing system evaluations; cause, nature and extent of damage, wind and hail.
- Moisture source evaluations; cause, origin, and duration.
- Termite damage, flooring damage, fire damage, and impact damage from tree, auto., etc.
- Tornado and/or hurricane damage, flood/surge damage, vibration damage analysis and retaining wall failures.
- Roofing system evaluations on numerous roofing types; including, three-tab, asphalt composition shingles; laminated composition shingles; clay and concrete tiles; built-up roofs, modified bitumen roofs, rolled roofing, thermoplastic polyolefin single-ply roofs (TPO); ethylene propylene diene terpolymer rubber roofs (EPDM); metal roofs; sprayed polyurethane foam roofs (SPF); and landscaped roofs.

EDUCATION

Worcester Polytechnic Institute - Bachelor of Science in Civil Engineering, 1994 (Graduated with High Distinction).

REGISTRATIONS & CERTIFICATIONS

Registered Professional Engineer (P.E.) Florida License No. 54625

Florida Special Inspector (S.I.) of Threshold Buildings License No. 2022

Board-Certified Diplomate in Forensic Engineering (DFE) No. 1191

Florida Board Recognized Structural Engineer (FRSE)

Registered Professional Engineer in the following States:

- Alabama #34118
- Delaware #16759
- District of Columbia (DC) #907356
- Georgia #036265
- Kansas #22901
- Maryland #44427
- Massachusetts #48937
- Nebraska #14590
- New York #088779
- North Carolina #047421
- Ohio #78503
- South Carolina #36149
- Texas #128303
- West Virginia #20004

PROFESSIONAL ASSOCIATIONS/MEMBERSHIPS

- American Society of Civil Engineers (ASCE)
- American Society of Testing and Materials (ASTM)
- International Code Council (ICC)
- National Society of Professional Engineers (NSPE)
- National Academy of Forensic Engineers (NAFE)

CAREER HISTORY

FORCON International Corp. – Board-Certified Forensic Engineer

- Conducting forensic investigations and expert witness services as it relates to his fields of expertise.

MSD Engineering, LLC – Board-Certified Forensic Engineer

- Principal of an engineer-owned and operated expert witness and structural forensic engineering Florida firm, with primary services in Bradenton, Sarasota, and Lakewood Ranch. MSD specializes in forensic property damage investigations and evaluations, structural design and analysis (including; structural repairs, alterations, and renovations), expert witness testimony, and special and milestone structural inspections.

Various Forensic Engineering Firms – SDII Global Corporation, Scientific Applications in Forensic Engineering, HAAG Engineering, and Project Time & Cost

- Forensic Engineer: Performed forensic engineering field/site inspection work (in various states) on residential/commercial buildings as related to areas of reported damage/defects. Observed field conditions, evaluated structures, determined the cause, origin, and duration of the conditions, wrote and signed and sealed detailed engineering reports, and provided opinions as to the cause of the distress and recommendations for repair and/or replacement of structures.

Mark S. Densmore, PE, SI and SolVer Structural Partnership, Inc.

- Performed structural engineering and inspection services, including, research, design, analysis and structural calculations for residential work. Performed visual structural (forensic engineering) and special inspections, produced structural damage assessment reports, and provided project management.

Wilson Structural Consultants, Inc.

- Professional Structural Engineer: Performed structural engineering and project management on a variety of projects utilizing materials such as masonry, steel, light-gauge, wood, and reinforced and post-tensioned concrete. Performed the post-tension consulting, analysis, design construction and inspection for 40+ post-tensioned concrete structures while acting as structural project engineer, construction administrator, and project manager for (2) two 30-story post-tensioned concrete condominium structures with a five-story parking/retail structure beneath at the Towers of Channelside in Tampa, FL.

CONTINUING EDUCATION COURSES (partial list)

- How to Testify as an Expert Witness at Deposition and Trial
- FL Laws & Rules for PE's
- FL Ethics for PE's
- Lessons from Failures of Building Envelopes
- Engineer Investigation of Hurricane Damage (Wind v. Water)
- Florida Building Code 2020 (7th Edition) Chapter 16 Structural Design
- Practical Forensic Engineering – Property
- Evaluating Damage and Repairing Wood Trusses
- 28th Annual National Expert Witness Conference
- Structural Forensic Engineering
- Tile Roofing for High Wind Areas
- Roof-to-Wall Flashing
- Asphalt Shingle Roofing for High Wind Regions
- Florida's Mandatory Structural Inspections

FORCON INTERNATIONAL

Mark S. Densmore, P.E., S.I., DFE, FRSE – Deposition and Trial Summary

Date	Case Name	Client	Location	Issue
11/30/2023	Rosalyn Holdings, LLC v. WPC III, Inc. v. Key Largo Ocean Adventures, Inc. d/b/a/ impactwindows.com, et. al. Deposition (2017-CA-003299-NC)	Joseph Bootka, Esq. Vernis & Bowling of Southwest FL, P.A.	12th Judicial Court, Sarasota County, FL	Construction Defects related to the Window Installer
10/19/2023	Beasley v. Richter Engineering, Inc. et. al. Deposition (22-001300-CI)	James Cannon, Esq. Boyd Richards Parker & Colonnelli, P.L.	6 th Judicial Court, Pinellas County	Engineer Negligence
02/22/2023	Amador. v. Citizens Property Insurance Co. Deposition (CACE-20-011936)	Joseph Garcia, Esq. Garcia Legal	17th Judicial Court, Broward County, FL	Roof Defects and Moisture Effects related to Hurricane Irma
06/13/2022	Herran et al. v. Citizens Property Insurance Co. Deposition (2020-022018-CA-01)	Sarah Goldberg, Esq. Kubicki Draper, PA	11th Judicial Court, Miami-Dade, FL	Roof Defects and Moisture Effects related to Hurricane Irma.
03/30/2022	Lisa Clarke v. Citizens Property Insurance Co. Deposition (CACE-21-002795)	Joseph Garcia, Esq. Garcia Legal	17th Judicial Court, Broward County, FL	Roof Defects and Moisture Effects related to TS Eta.
10/07/2021	Steinberg v. Heritage Property & Casualty Insurance Co. Trial (20-CA-000936)	Jonathan Hall, Esq. Heritage Property & Casualty Insurance Co.	20th Judicial Court, Lee County, FL	Roof Defects and Moisture Effects related to Hurricane Irma.
09/16/2021	Steinberg v. Heritage Property & Casualty Insurance Co. Deposition (20-CA-000936)	John McMenamin, Esq. Heritage Property & Casualty Insurance Co.	20th Judicial Court, Lee County, FL	Roof Defects and Moisture Effects related to Hurricane Irma.
08/30/2021	Maibauer v. Heritage Property & Casualty Insurance Co. Deposition (20-CA-3120)	Andrew Bruce, Esq. Heritage Property & Casualty Insurance Co.	20th Judicial Court, Lee County, FL	Roof Defects related to Hurricane Irma
07/29/2021	Zulma Suhor v. Citizens Property Insurance Co. Deposition (CACE-19-014417)	Shawntozi Campbell, Esq. ROIG Lawyers	17th Judicial Court, Broward County, FL	Roof Defects and Moisture Effects related to Hurricane Irma
05/05/2021	Hemmingway Villas COA v. Scottsdale Insurance Co. Deposition (1:20-cv-24365KMM) – (Federal Court)	Julia Young, Esq. Wilson Elser, et. al.	US District Court, Southern District of Florida	Roof Defects related to Hurricane Irma
04/29/2021	Glenn Lusk v. Heritage Property & Casualty Insurance Co. Deposition (20-CA-575)	Andrew Bruce, Esq. Heritage Property & Casualty Insurance Co.	20th Judicial Court, Lee County, FL	Roof Defects related to Hurricane Irma

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05/26/2020	Ventura Bay HOA v. Pulte v. Rikmar Construction, Inc., et. al. Deposition 16-CA-008094	Harold A. Saul, Esq. Kubicki Draper, PA	9th Judicial Court, Hillsborough County, FL	Construction Defects related to the Cementitious Coating Subcontractor
12/10/2019	Len's Roofing, Inc. v. Mary Ann and Kennedy Legler Trial 2018-CC-3172	David Fernandez, Esq. Florida Trial Counsel	12th Judicial Court, Manatee County, FL	Roof Contract Non-Payment and Countersuit for Defects
11/06/2019	Len's Roofing, Inc. v. Mary Ann and Kennedy Legler Deposition 2018-CC-3172	David Fernandez, Esq. Florida Trial Counsel	12th Judicial Court, Manatee County, FL	Roof Contract Non-Payment and Countersuit for Defects
05/09/2019	Robert and Janice Manuel v. Frontline Homeowners Insurance Deposition (05-2016-CA-19843)	Karen Fultz, Esq. Sheehe & Associates, PA	18th Judicial Court Brevard County, FL	Structural Damage Assessment
05/03/2019	Taras V. Kochno, et al. v. Palma Sola Harbour Condominium Deposition 2014-CA-00669 (Consolidated w/ 2014-CA-006141)	David Fernandez, Esq. Florida Trial Counsel	12th Judicial Court Manatee County, FL	Roof Collapse Assessment
02/26/2018	Jade Beach Condo. v. Pompano Masonry Corp, et al. Deposition (2014-25001-CA-01)	Matan Scheier, Esq. Cole, Scott, Kissane, PA	11th Judicial Court Miami-Dade County, FL	Construction Defects related to the Concrete Masonry Unit (CMU) Subcontractor
12/12/2017	Martinez and Maza v. Citizens Property Insurance Co. Affidavit (2016-030316-CA-01)	Cristian Valois., Esq. Hernandez, Hicks & Valois, PA	11th Judicial Court Miami-Dade County, FL	Roof (Wind), Moisture, and Tile Flooring Damage
09/19/2017	Jorge and Tania Gonzalez v. Citizens Property Ins. Co. Affidavit (2016-031832-CA-01)	Cristian Valois., Esq. Hernandez, Hicks & Valois, PA	11th Judicial Court Miami-Dade County, FL	Roof (Wind) and Moisture Damage
11/10/2016	Mary Alice Cook v. Universal Property Insurance Co. Deposition (2016-CA-000176)	Kevin Elmore, Esq Walton, Lantaff, Schroeder & Carson, LLP	10th Judicial Court Polk County, FL	Moisture Vapor Transmission Damage