

EDUCATION

Master of Civil Engineering
George Mason University

Bachelor of Civil Engineering,
Purdue University

REGISTRATIONS

Professional Engineer
in FL, #83599

Professional Engineer
in MD, #51023

Professional Engineer
in NC, #048281

Professional Engineer
in TX, #128011

CERTIFICATIONS

Certified XL Tribometrist

HAAG Certified Roofing
Inspector, Commercial
and Residential

OSHA 10 Hour Certification

AFFILIATIONS

Member, International
Institute of Building Enclosure
Consultants (IIBEC)

Member, National Society of
Professional Engineers (NSPE)

Member, American Society
of Civil Engineers (ASCE)

Member, Roofing
Consultants Institute

JASEN LENKER, PE

CIVIL/STRUCTURAL ENGINEER

Jasen Lenker's work experience includes a variety of civil and structural engineering projects ranging from small scale residential insurance claims to multi-million dollar land development and rehabilitation projects. His background in forensics covers a range of loss investigations related to structural, geotechnical, environmental, and construction related issues on hundreds of residential and commercial structures. He has experience reviewing construction plans, specifications, contracts, and code requirements. He has also worked on a variety of projects in multiple phases of design and construction, as well as designed and drafted repair details and structural drawing sets. Jasen has provided consultation services for a variety of clients, including insurance companies, land developers, attorneys, self-insured, and construction companies, as well as provided expert witness support and testimony on multiple cases.

His services include:

- **Forensic Engineering:** Hurricanes, storm surge, earthquakes, tornadoes, fire damage, tree falls, vehicle impacts, hail damage, structural design failures, building envelope evaluations including roofs, faulty or improper construction, restoration of historical and landmark properties, maintenance issues, soil and foundation failures, moisture intrusion, mold and ventilation.
- **Structural Engineering:** Retaining wall design, masonry design, wood design, steel design, reinforced concrete design.
- **Property Condition Assessments:** Commercial, industrial, and residential buildings and properties.
- **Hurricanes Serviced:** Dorian (2019), Michael (2018), Florence (2018), Irma (2017), Sandy (2012)

PROJECT EXPERIENCE

Structural Engineering

- Welleby Park Expansion, Sunrise, FL
- West Villages Improvement District Southwest Wastewater Reclamation Facility (SWWWRF), North Port, FL
- Crystal Lagoons Beachwalk (includes water treatment system), St. Johns County, FL
- Continuing Services for Planning, Utilities, Engineering, and Roadways, North Bay Village, FL

Structural Restoration, Inspection, and Repair

- SCP Distributors, Fort Myers Warehouse MEP, Fort Myers, FL
- Mayo Clinic, Structural Assessment, Hardscape Remediation, and Restoration, Scottsdale, AZ
- Mercy Hospital Seawall and Loading Dock Replacement, Miami, FL
- Marina Dock Replacement and Seawall Repair, Miami Beach, FL

PROFESSIONAL EXPERIENCE

Civil/Structural Engineer,
Kimley-Horn and Associates,
Inc., Palm Beach Gardens,
FL, 2017 – Present

Structural Engineer, Global
Forensic Investigations, Inc.,
Chantilly, VA, 2011-2017

JASEN LENKER, PE (CONTINUED) CIVIL/STRUCTURAL ENGINEER

CONTINUING EDUCATION

- Fire Safety in Wood Construction (2021)
- Retrofitting Homes for Wind Protection (2021)
- Certified XL Tribometrist Certification Program (2020)
- Tropical Engineering: Concrete, Wood, Metals (2020)
- Safe Rooms and Shelters Protecting People Against Terrorist Attacks (2018)
- HAAG Certified Residential Roofing Inspector Course (2017)
- HAAG Certified Commercial Roofing Inspector Course (2017)
- Durability in Design – RCI (2016)
- Waterproofing Restoration and Functional Field/Lab Mock-up Testing – RCI (2016)
Designing a Sustainable Masonry Building Envelope – AEC (2015)
- Air/Vapor Barrier Design and Installation Considerations – RCI (2015)
- Fluid Applied Flashing – RCI (2014)
- Vegetative Roofing – RCI (2014)
- Cementitious Materials in Concrete: Performance and Sustainability – AEC 2013 Test Methods Related to Metal Roofing – RCI (2013)
- Quality Assurance Roofing Performance Considerations – RCI (2013)
- Principles of Commercial and Residential Roof Ventilation – Metal-Era (2013)
- Application and Design for Helical Piers, Push Piers, and Foam Injection – JES (2012)
- Evaluation of Earthquake Damage – LWG Consulting (2012)
- Explosives and Blast Site Training – Prince William County Safety Academy (2012)