



Jason Bondurant, PE, RRC

Senior Professional Engineer

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PROFESSIONAL PROFILE

Jason Bondurant, PE, RRC is a Senior Professional Engineer at GCI Consultants, LLC, a leading building envelope consulting and engineering firm based in South Florida. A licensed Professional Engineer with a specialization in civil/structural engineering, he brings over twelve years of experience in both new construction consulting and forensic evaluation of existing buildings. He leads forensic investigations, prepares repair plans and specifications, provides construction management and quality assurance services, and serves as an expert witness. He holds the Registered Roof Consultant (RRC) designation from the International Institute of Building Enclosure Consultants (IIBEC), and his technical expertise includes building enclosure systems such as roofing and waterproofing systems, exterior wall assemblies, and glazing systems.

EXPERIENCE

2013-Present: **GCI Consultants, LLC** – West Palm Beach, Florida
Building Envelope Consulting and Engineering Firm

REPRESENTATIVE PROJECTS

Failure/Damage Investigations

- Overton Row, Charlotte, NC – Perform building envelope condition assessment including destructive testing to evaluate deteriorated wood-framed balcony conditions at this newly constructed 5-story apartment building.
- Hutchinson Island Club, Hutchinson Island, FL – Perform assessment of existing window wall systems including water infiltration testing to evaluate the source of water intrusion and provide conceptual recommendations for repairs.
- Village Promenade, Muncie, IN – Perform roof condition assessment including destructive testing to evaluate severely deteriorated roof deck conditions at this newly constructed 4-story mixed-use building.
- Casa di Fiori, Cape Coral, FL – Perform evaluation to assess whether Hurricane Ian caused wind damage to the tile roof systems at multiple buildings at this condominium property.
- Luxury Living, Miami, FL – Perform evaluation of glass damage within the balcony guardrail system at this newly constructed 3-story retail building.

Repair and Rehabilitation Design

- River Reach Condominium, Fort Lauderdale, FL – Prepare construction documents for removal and replacement of the existing roof system of a 5-story condominium building.
- Panorama Tower, Miami, FL – Prepare construction documents for removal and replacement of the existing roof system of a 85-story mixed-use building.
- Navarre Beach Regency, Navarre, FL – Prepare construction documents to remove and replace the existing sliding glass doors and windows on a 9-story condominium building.
- Camden Thornton Park, Orlando, FL – Prepare construction documents for repair of the existing retail awning canopies.
- Rosemary Square, West Palm Beach, FL – Prepare construction documents for a roof recover system at an approximate 100,000 square foot commercial property.

New Construction Consulting

- Surf Club, Surfside, FL – Provide building envelope consulting services including construction document review, site inspections, field water infiltration testing, and special inspections certifying the installation of the glazing, waterproofing, and roofing systems at this new 12-story condominium / hotel building.
- The Standard Atlanta, Atlanta, GA – Provide building envelope consulting services including construction document review, site inspections, and field water infiltration testing at this new 13-story apartment building.
- Biscayne Beach Club, Miami, FL – Provide building envelope consulting services including construction document review, site inspections, field water infiltration testing, and special inspections certifying the installation of the glazing and waterproofing systems at this new 52-story condominium building.
- Evolve Bloomington, Bloomington, IN – Provide building envelope consulting services including construction document review, site inspections, and field water infiltration testing at this new 6-story apartment building.
- Miami Children's Hospital, Miami, FL – Provide building envelope consulting services including construction document review, site inspections, and field water infiltration testing at the new advanced pediatric care pavilion.

Litigation Consulting

- Single-Family Residence, Burnet, TX – Provide litigation consulting to third-party defendant window manufacturer regarding alleged window construction defects at a 1-story single family residence.
- JW Marriott Marco Island Beach Resort, Marco Island, FL – Provide litigation consulting to third-party defendant roofing and waterproofing subcontractor regarding roofing and waterproofing construction defect allegations at new building addition.
- Design 41, Miami, FL – Provide litigation consulting to defendant general contractor regarding waterproofing construction defect allegations at a newly constructed 7-story office building.
- Aloft Delray, Delray Beach, FL – Provide litigation consulting to plaintiff building owner regarding window and door construction defects at a newly constructed hotel building.
- Single-Family Residence, Bonita Springs, FL – Provide litigation consulting to defendant roofing contractor regarding alleged roofing construction defects related to a roof replacement of a 2-story single family residence.

EDUCATION

2012 **Bachelor of Science, Civil Engineering**
 University of Florida, Gainesville, Florida

LICENSES AND CERTIFICATIONS

Professional Engineer (PE)

Alabama License #50973
Florida License #92050
Georgia License #48504
Louisiana License #46585
Mississippi License #32766
Oklahoma License #34148
Texas License #144647

Registered Roof Consultant (RRC)

Registration #0887
International Institute of Building Enclosure Consultants (IIBEC)

Florida High Wind Manual Certified

Tile Roofing Institute Alliance (TRIA)

Miami-Dade County Approved Testing Laboratory Engineer

Certification No. 23-1120.01
Approved for the following tests: AAMA 501.2, AAMA 502, AAMA 503, ASTM D5957, ASTM D7954, ASTM E576, ASTM E783, ASTM E1105, ASTM E2128, TAS 126

PROFESSIONAL AFFILIATIONS

International Institute of Building Enclosure Consultants (IIBEC)

Consultant Member #42545
Registered Roof Consultant (RRC) Registration #0887

National Society of Professional Engineers (NSPE)

Engineer Professional Member #300617751
Committee for Professional Engineers in Construction

American Society of Civil Engineers (ASCE)

Structural Engineering Institute of ASCE
Member #000010677055

Florida Structural Engineers Association (FSEA)

Member #57206289

ASTM International (ASTM)

Member #1941500
Committee C24 on Building Seals and Sealants

Committee D08 on Roofing and Waterproofing
Subcommittee D08.20 Roofing Membrane Systems
Committee E58 on Forensic Engineering
Subcommittee E58.06 Incidents Involving Structures

Roofing Industry Committee on Weather Issues (RICOWI)

Former Member
Wind Investigation Program Team Member

National Roofing Contractors Association (NRCA)

Former Member

International Concrete Repair Institute (ICRI)

Former Member

PUBLICATIONS AND PRESENTATIONS

Matthews, Christopher and Bondurant, Jason, **“What Could Go Wrong? – Building Envelope Design and Construction Mistakes and Their Effects,”** Southeast Building Conference, Orlando, FL, July 25, 2025

Beers, Paul E. and Bondurant, Jason, **“Investigating Water Leakage in Windows and Doors after Windstorms,”** Proceedings of the 10th Congress on Forensic Engineering, American Society of Civil Engineers, Seattle, WA, November 1-4, 2024

2023 Annual Windstorm Insurance Conference, Orlando, FL
Panel on Wind Damage to Commercial Flat Roofing Systems

Everything Building Envelope Podcast

Episode 53 – Barrier vs. Drainage Wall Construction
Episode 52 – Facades
Episode 48 – Water Leakage Investigations
Episode 41 – Water Test Methods

TRAINING COURSES AND SEMINARS

2025	TBPELS-Professional Engineering & Surveying Practice Update/Ethics
2025	Paragon Truss: Investigating and Evaluating Truss Designs
2024	NCSEA: Condition Assessment of Existing Steel Structures and Assessing Masonry Buildings
2024	NCSEA: Assessing Wood Structures, Balconies and Decks
2024	NCSEA: Assessing Concrete and Parking Structures
2024	NCSEA: Building Envelope Assessments
2024	NCSEA: Legal Aspects of Building Assessment Reports
2024	NCSEA: Building Investigations and Assessments 101
2024	ASCE: 10 th Forensic Engineering Congress, Seattle, WA
2024	IIBEC: 2024 International Convention and Trade Show, Phoenix, AZ
2024	PDH Library: 2023 Advanced Florida Building Code 8 th Edition Significant Code Changes

2023	TRIA: Post Storm Evaluations
2023	ASCE: Rain Loads 101
2023	ASCE: Philosophy of Structural Building Codes
2023	ASCE: Learning from Failures of Wood-Framed Structures
2023	ASCE: Engineering of Mid-Rise Wood Construction
2023	ASCE: Engineering Investigations of Hurricane Damage: Wind Versus Water
2023	ASCE: Setting and Achieving Personal and Organizational Goals
2023	ASCE: Engineer Your Own Success: 7 Elements to Creating an Extraordinary Engineering Career
2023	ASCE: Principle-Based Ethics: Character-Builder or Career-Ender
2023	ASCE: Avoiding Ethical Pitfalls in Failure Investigations
2023	ASCE: Building Enclosure Commissioning (BECx): What You Need to Know
2023	IIBEC: 2023 Building Enclosure Symposium, Orlando, FL
2023	IIBEC: Reroofing
2023	ICRI: Corrosion in Concrete Structures
2023	ICRI: Understanding Concrete Surface Preparation and ICRI Technical Guideline 310.2R-2013
2023	ICRI: Concrete Repair 101
2023	Easy-PDH: 2020 Advanced Florida Building Code 7 th Edition Significant Changes to Chapter 16 Structural Design Building
2023	Windstorm Insurance Conference, Orlando, FL
2022	NSPE: Canon 1, NSPE Code of Ethics for Engineers
2022	NSPE: Climate Action for Engineers: ACC Overview
2022	NSPE: Climate Action for Engineers: Categories of Action
2022	NSPE: Cyber Security Essentials
2022	NSPE: Emotional Intelligence at Work
2022	NSPE: Engineering Ethics: Conflicts of Interest, Licensure, Confidentiality, and Public Criticism
2022	NSPE: Engineering Ethics: Objectivity and Truthfulness, Public Health and Safety, Signing and Sealing of Engineering Drawings, and Misrepresentation
2022	NSPE: Engineering Leadership Success by Design: Emotional Intelligence and Neuroscience as Career Differentiators
2022	NSPE: Ethics in our Changing World
2022	NSPE: Fire Protection Engineering in Property Risk Management
2022	NSPE: Negotiate It! How to Crush Your Fears, Develop Your Negotiation Muscle, and Gain Power in the Workplace
2022	NSPE: The Physics of the Yellow Traffic Signal: ITE's First Recommended Practice
2022	NSPE: Too Many Crashes at Your Roundabout? Design Techniques to Optimize Safety
2022	NSPE: Tools to Ensure Effective Litigation Preparation and Testimony as an Engineering Professional
2022	NSPE: Turn Your Ideas Into Gold: A Guide to Intellectual Property
2022	IIBEC: 2022 IIBEC Meeting of the Members
2021	NSPE: How to be an Effective Witness
2021	NSPE: Engineering Ethics and the Law
2021	NSPE: Ethics Forum: Conflicts of Interest – Employers and Clients
2021	Emseal Joint Systems, LTD: Bridge Preservation: Watertight Expansion Joint Solutions
2021	Sika USA: Common Condo Problems and Repair Solutions

2021 Tremco Web Seminar: TRM028: Fluid Applied Roofing Systems

2021 Tremco Web Seminar: TRM029: Roof Preservation: A Sustainable Option

2021 International Code Council (ICC) Panel Discussion: Ensuring the Safety of Existing Buildings, West Palm Beach, FL

2021 TRI: Course #0613704 – TRI Florida High Wind Manual Certification Program

2021 IIBEC: 2021 IIBEC Meeting of the Members

2020 Tremco Web Seminar: TRM046: Roof Warranties

2020 IIBEC Florida: How to Specify Cold Storage and Freezer Buildings

2020 IIBEC: Wind Design for Low-Slope Roofs – Part 2: FM Global Guidelines and Best Practice Considerations

2020 IIBEC: Wind Design for Low-Slope Roofs – Part 1: Understanding ASCE 7-10 Wind Load Calculations

2020 IIBEC: Roof System Thermal and Moisture Design

2020 IIBEC: Roof Drainage Design

2020 Sika Web Seminar: The Differences Between Wind Warranties and Wind Uplift Requirements for Roofing

2020 IIBEC Florida: Low Slope Roofing Wind Design

2020 Tremco, Inc.: Roofing Options

2020 Maximizing Roof System Energy and Performance

2020 GAF: Decoding Commercial Roofing Codes: Code Updates and Revisions to Referenced Standards

2020 GAF: Addressing Moisture Durability in Low Slope Roofing

2020 IIBEC: Thermoplastic Commercial Roofing Systems

2020 IIBEC: Repair and Protection of Parking Structures

2020 Sika Web Seminar: Economical & Eco-Friendly Roofing Systems

2020 IIBEC: The Importance of Waterproofing Plaza Decks

2020 Sika Web Seminar: Liquid Applied Roofing & Waterproofing Systems

2020 Sika Web Seminar: Designing with Architectural Concrete

2020 Sika Web Seminar: Moisture Mitigation: Problem, Testing & Solutions

2020 IIBEC: Polyiso – Advantages of Continuous Insulation in Steel Stud Construction

2020 Sika Web Seminar: Vacuum Insulated Panels for the Building Envelope

2020 Sika Web Seminar: Structural Strengthening with FRP Composites

2020 Sika Web Seminar: Polyiso: The Next Generation Air & Water Barrier

2020 Sika Web Seminar: Sika Slab Solutions

2020 IIBEC: Green Roof Education

2020 IIBEC: Simulated Standing Seam Roof Systems

2019 IIBEC Florida Educational Program, Fort Lauderdale, FL

2017 RCI, Inc: Roofing Technology and Science II

2017 RCI, Inc: Roofing Technology and Science I

2017 RCI, Inc: Roofing Basics

2017 RCI, Inc: Symposium on Building Envelope Technology, Orlando, FL

2017 CETCO Below Grade Waterproofing Inspector Training, Miami, FL

2016 RCI, Inc: Symposium on Building Envelope Technology, Houston, TX

2015 RCI, Inc: Symposium on Building Envelope Technology, Nashville, TN

2015 RCI Exterior Walls Technology & Science Course, Houston, TX

2015 RCI Stucco & Exterior Finish Cladding Systems Course, Houston, TX

2015 Florida Engineering Society Leadership Conference, Orlando, FL

2015 Facades+ Conference, Miami, FL

2014 RCI, Inc: Symposium on Building Envelope Technology, Tampa