



LEADING THE WAY

## WHY CHOOSE RB ENGINEERING?

**Experience**— RB Engineering has performed hundreds of forensic investigations over the past decade and is experienced in providing technical expertise to the insurance, legal and private industry sectors. We have been performing work throughout the southeast with licensing capabilities in all fifty states.

**Integrity**— RB Engineering is committed to delivering quality service at affordable rates. We maintain full documentation of all investigations and are prepared to provide expert testimony services on all our cases.

**Accountability**— RB Engineering provides definitive engineering reports that are clear, concise and easy to understand. We are dedicated to building positive relationships with our clients and will always be available on site or in the office to discuss our investigations.

## CONTACT US:

**You can forward us an assignment for inspection** using any of the following methods:

- Call us with the project information
- Fax us a completed assignment sheet
- E-mail us a completed assignment sheet

### RB ENGINEERING, INC

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# FORENSIC ENGINEERING SERVICES



## “Forensic Experience You Can Trust”

**RB Engineering, Inc.** is committed to providing every single client with an unbiased, accurate and cost-effective investigation tailored to their specific forensic needs. With over a decade of experience performing catastrophe damage, flood damage, and structural damage assessments in eight coastal states, RB Engineering is capable of investigating a wide variety of failures as well as offering expert witness testimony for depositions and trials. When it comes to forensic engineering, RB Engineering provides forensic experience you can trust.

## STRUCTURAL OR CIVIL FAILURE ANALYSIS

- Structural Failures
- Storm Damage and Design Failure
- Wind vs. Water Analysis
- Geotechnical Analysis
- Residential Chimney Fire Causation and Analysis
- Structural Overloading Due to Earthquakes and Wind
- Repair Cost Estimates and Recommendations
- Foundation and Materials Failure
- Catastrophic Collapse
- Roofing System Failure



## FIRE AND EXPLOSION INVESTIGATIONS

- Fire and Explosion Origin and Cause Determination
- Fire Scene Analysis and Reconstruction
- Vehicular/RV/ Marine Fire Determination
- Mobile/Modular Construction Code Compliance
- Evidence Collection, Analysis and Storage
- NFPA/NEC/ASTM/UBC Compliance
- Flash Point Testing
- Arson Determination
- Fire Safety Analysis (NFPA 58)



## ELECTRICAL FAILURE ANALYSIS

- Evaluate Damage Attributed to Lightning, Electrical Shock and Electrocution
- Circuit Board and Relay System Failure
- Grounding and Lightning Protection
- Electrical Accident Reconstruction
- Electrical Accident Reliability Analysis
- Electrical Systems Risk Assessments
- Electronic System Analysis
- Electrical and Electronic System Testing
- Electrical Fire and Explosion Causation
- Electrocution and Electrical Shock Hazards



## ENVIRONMENTAL SERVICES

- Indoor Air Quality Problems
- Mold and Mildew Causation
- Causation Determination Relating to Sick Building Structures
- Environmental Remediation
- Soil and Groundwater Assessment
- Environmental Testing
- Biological and Chemical Sampling
- Remediation Cost Estimates

## LEGAL SUPPORT SERVICES

RB Engineering has provided expert testimony in the field of engineering on many court cases over the past ten years. Our testimonies have involved construction-related defects, wind vs. water determination, and structural evaluations and assessments for insurance companies.

