



**GCI Consultants, LLC**



**We are Solvers &  
Preventers of Building  
Envelope Problems.**

**EVERYTHING  
BUILDING ENVELOPE**

## **We are Solvers & Preventers of Building Envelope Problems**

We work closely with owners, architects, engineers and contractors to circumvent problems during design and construction.

We help our clients identify and resolve existing building problems with water leakage, glazing, wall systems, waterproofing and roofing with cost effective solutions.

We provide litigation support and expert testimony.

Call us today – We can help you!

**877-740-9990**



**GCI Consultants, LLC**





GCI offers clients a unique skill set that is not available anywhere else. We have specialized knowledge in every aspect of the building envelope and vast experience with construction claims, natural disaster assessments and forensic investigations. GCI offers cost-effective development and project oversight of envelope systems with a proven track record of engineering expertise and building risk mitigation. We work closely with clients to develop project specific plans that optimize each building's envelope, and act with pre-emptive precision to eliminate potential problems that could occur during the design and construction phase.

"We have worked in every state in the United States as well as North, Central and South America, The Caribbean, Africa, Australia and Canada. GCI's worldwide reach is built on a solid reputation of successful risk mitigation strategies powered by the insight of building science. It's the kind of innovative thinking you'll find far outside the concrete/steel box."

GCI's building envelope professionals provide consulting services to ensure clients receive maximum value and return on their investment in the firm's services, which include:

- Engineering Services
- Design Assistance
- Field Testing
- Quality Assurance
- Forensic Evaluations
- Roofing and Waterproofing Consulting
- Litigation and Claims Consulting
- Hurricane Recovery Consulting
- Façade Assessments
- Catastrophic Damage Evaluations
- Due Dillgence Surveys

## BUILDING ENVELOPE

Success or failure of a building envelope, including waterproofing, cladding, glazing and roofing, can determine the outcome of a project. Litigation, energy loss, insurability, moisture damage and natural disasters all threaten the investment.

### Design Services

- Design Assistance – Help develop building envelope related portions of the Contract Documents.
- Assist with the selection and detailing of materials and systems.
- Specifications – Review and provide information as needed to develop specifications that fully describe the Contract Documents requirements. Confirm appropriate materials, installation and performance requirements.
- Plan Reviews – Peer review of building envelope.
- Provide review comments digitally in redline format.
- Design Team Meetings – Available for meetings to collaborate and assist with development of contract documents and discuss review comments. Meetings can be in person or online web meetings. Before the contract is awarded to minimize unforeseen costs.





### Construction Services

- **Peer Review of Construction Documents** – Review completed documents for completeness, constructability, industry standard of care and best practices. Provide comments digitally in redline format.
- **Shop Drawing and Submittals Review** – Review shop drawings and submittals for compliance with Contract Documents. Confirm completeness, constructability, compliance with manufacturers' and industry requirements and best practices. Provide comments digitally in redline format.
- **Pre-Construction Conferences** – Conduct an on-site meeting with interested parties to include ownership representation, design professionals, contractors, sub- contractors and tradesmen. Review the project requirements and field conditions.
- **Establish expectations** for the standard of quality of the work. Outline quality control measures by contractors, subcontractors and tradesmen.
- **Site Inspections** – Conduct third party site inspections to verify installation is following requirements of the Contract Documents, approved Shop Drawings and Submittals, Manufacturers' Requirements and Industry Standard of Care. Provide reports with any needed action items. Track action items until resolution.
- **Field Water Infiltration Tests** – Conduct ASTM E1105 field water infiltration tests.

The test involves constructing an air barrier across the inside of an assembly and vacuuming air from it, while applying a uniform water spray across the exterior. The test is a field version of laboratory certification tests and simulates the conditions of a wind driven rain storm.



## HURRICANE RECOVERY

GCI has extensive experience with hurricane damage evaluations and claims. No body does it better!

If you are in need, please consider us for:

- Exterior building envelope wind damage assessments
- Insurance claim analysis and assistance / Detailed Reports
- Repair procedures and specifications
- Water leakage identification and repair consultation

Please call us at 1.877.740.9990 or

email [info@gciconsultants.com](mailto:info@gciconsultants.com) for assistance with wind damage assessment and recovery.

### Water Leaks Caused by Hurricane Irma

By Jason Bondurant, EI  
GCI Consultants, LLC

While media coverage of the devastation following Hurricane Irma focuses on catastrophic wind damage, flooding, and power outages, a much more common and sometimes equally as devastating effect from the storm is often overlooked: water leaks. The costs of the damaging effects and necessary repairs due to water penetration into a building's supporting structure and interior finishes are one of the leading causes for insurance claims. Building owners and property managers are faced with the difficult task of finding a solution to these issues quickly after the storm.







# LITIGATION



**GCI CONSULTANTS, LLC**

Disputes sometimes arise during or after completion of construction. GCI's experts have a wide range of experience with windows, doors, glazing, exterior walls, waterproofing and roofing. We are experienced with the litigation process. We have testified as experts at jury trials and arbitration proceedings. More importantly, our expert advice prior to trial can help resolve disputes. We strive for a realistic, impartial and reasonable approach to problems and claims, and by working towards a fair and reasonable settlement, we often save our clients substantial expert and attorneys fees.

### **Litigation Consulting**

- Claims review and analysis
- Identification of issues and needed actions to resolve claims
- Consult with client to advise about claim related issues and possible resolutions

### **Expert Witness Testimony**

- Analysis of issues in question to develop or respond to a claim
- Claims review and analysis as needed
- Review and analysis of other expert reports and claims
- Independent investigation and analysis
- Rendering of expert opinions
- Provide expert testimony at depositions, hearings and trials, if requested

### **Claims Analysis**

- Written and Oral Reports – Report findings to client orally or in writing with opinions as to the validity of any claims and recommendations to remedy deficiencies
- Site Inspections- Inspect field conditions and compare with claims and supporting documents
- Document Review and Analysis – Review written claim and supporting documents





We are experts with water leakage and performance issues related to windows, doors, glazing, cladding, waterproofing and roofing. We are experienced with the litigation process and have testified as experts at jury trials and arbitration proceedings. Our expert advice prior to trial can help to work through the issues. We have a reasonable approach to problems and claims to help our clients with analysis and testimony to support their position.

### Expert Witness Support and Testimony

- Independent investigation and analysis of issues to develop or respond to a claim
- Document review and analysis
- Review and analysis of other expert reports
- Site Investigations to review field conditions
- Site testing to confirm field performance
- Identification of issues and needed actions to develop or resolve claims
- Consultation to provide expert input about claim development or resolution.
- Rendering of expert opinions
- Written and oral reports to present expert opinions and supporting documentation
- Provide expert testimony at depositions, hearings and trials



**WILL SMITH**



**PAUL BEERS**



**CHRIS MATTHEWS**



**ALFONSO ALZAMORA**



**BRET TAYLOR**

## **We are Solvers & Preventers of Building Envelope Problems**

Thank you for considering GCI Consultants for all your building envelope needs.

We are ready to assist you worldwide.



**Contact us today – We can help you!**

Office: (877) 740-9990

Email: [info@gciconsultants.com](mailto:info@gciconsultants.com)



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