



Architectural Testing

Bryan M. Monahan P.E.
Senior Project Engineer—Forensic Services

Architectural Testing, Inc.
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PROFESSIONAL SUMMARY

7 years experience as a consulting engineer specializing in the testing, investigation and design of commercial and industrial structural and façade assemblies.

Architectural Testing, Inc.—Senior Project Engineer **June 2007 – Present**

- Provide consulting engineering services and forensic investigation
- Perform/oversee quality control and investigative air, water, thermal and adhesive field testing services
- Provide expert witness services
- Perform new construction services including design peer reviews, shop drawing reviews, construction administration/inspections, field testing, RFI/change order assistance, and consulting services regarding building envelope performance
- Clients include Owners, Construction Managers, Attorneys, Distributors, Contractors, Sub-Contractors, and Property Managers

Wiss, Janney, Elstner Associates, Inc. (WJE)—Associate I-III **2002 – June 2007**

- Provided consulting engineering services and forensic investigation
- Performed extensive construction observation services to implement retrofit repairs
- Performed on-site field tests for as-built structures and facade components
- Developed construction documents for retrofit repairs

PROFESSIONAL REGISTRATION

Professional Engineer – Structural I, Ohio

EDUCATION/INDUSTRY ACCREDITATIONS

Pennsylvania State University, State College, Pennsylvania

- Bachelor of Architectural Engineering, 2001
- Master of Architectural Engineering, 2001

INDUSTRY ORGANIZATIONS:

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BEC – Building Enclosure Council , Active Member

ACI – Building Enclosure Council, Previous Member

ICRI – International Concrete Repair Institute, Previous Member



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REPRESENTATIVE PROJECTS FOR BUILDING ENVELOPE COMMISSIONING

- Johns Hopkins Hospital New Clinical Building, Baltimore, MD
 - Senior Project Engineer
 - Observed as-built field conditions of the building envelope systems to check for conformance of contract documents and generated Field Reports
 - Directed air, water, and adhesion testing on installed facade systems
 - Provided consulting services for Owner upon request.
- Johns Hopkins Hospital New Clinical Building, Baltimore, MD
 - Senior Project Engineer
 - Observed as-built field conditions of the building envelope systems to check for conformance of contract documents and generated Field Reports
 - Directed air and water testing on installed facade systems
 - Provided consulting services for Owner upon request
 - Provided peer review of Architectural drawings and shop drawings
- Bureau of Public Debt Building, Parkersburg, WV (under employment of WJE)
 - Project Associate
 - Observed as-built field conditions of the building envelope systems to check for conformance of contract documents and generated Field Reports
 - Directed Water Penetration testing on installed window systems

REPRESENTATIVE PROJECTS FOR FORENSIC INVESTIGATION

- Kimmel Performing Arts Center, Philadelphia, PA
 - Senior Project Engineer
 - Diagnostic water penetration testing for barrel-vault skylight roof
 - Assisted in the development of the remedial repair details
- 6700 Alexander Bell Drive, Columbia, PA
 - Senior Project Engineer
 - Diagnostic water penetration testing for strip window, masonry, EIFS and flat roof assemblies
 - Assisted in the development of the remedial repairs
 - Performed site inspection of implemented remedial repairs
- South Avenue Parking Garage Collapse, Rochester, NY (under employment of WJE)
 - Project Associate
 - Assisted in the investigation of the post-tensioned helix drive ramp collapse
 - Documented failure conditions
 - Performed condition survey on remaining facility
- Dole Food Co. Warehouse Roof Failure, Springfield, OH (under employment of WJE)
 - Project Associate
 - Assisted in the investigation of the failure of approximately 70,000 SF of adhered singly-ply EPDM
 - Documented failure conditions
 - Performed uplift testing in accordance with ASTM E907