PERSONNEL QUALIFICATIONS

Michael A. Hebert | Associate Principal

EDUCATION

- The Pennsylvania State University
  - Bachelor of Architectural Engineering, 2006
  - Master of Architectural Engineering, 2006

PRACTICE AREAS

- Roofing and Waterproofing
- Repair and Rehabilitation
- Facade Assessment
- Historic Preservation
- Construction Troubleshooting
- Failure/Damage Investigations
- Water/Air Leakage Assessment
- Nondestructive Evaluation

REGISTRATIONS

- Professional Engineer in FL, MD, and TX
- Registered Roof Consultant

PROFESSIONAL AFFILIATIONS

- ASTM International
- International Institute of Building Enclosure Consultants
- National Roofing Contractors Association
- The Masonry Society

CONTACT

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EXPERIENCE

Michael Hebert has broad-based experience in the investigation, assessment, and rehabilitation design of existing structures and exterior building envelopes in the U.S. mid-Atlantic region, with a principal focus on historic and modern roofing and waterproofing systems and assemblies. He works with various building materials, including hot-applied rubberized asphalt, cold fluid-applied, and sheet-applied waterproofing; slate shingle, asphalt shingle, metal panel, clay tile, and low-slope membrane roofing; clay brick masonry; natural stone; cast stone; cast-in-place concrete; precast concrete; EIFS; and a range of window and curtain wall systems.

REPRESENTATIVE PROJECTS

Roofing and Waterproofing

- Federal Deposit Insurance Corporation - Washington, D.C.: Low-slope roof membrane assembly replacement design and construction observation
- HHMI Janelia Farm Campus - Ashburn, VA: Green roof leakage investigation and roofing system replacement design
- Georgetown University, Yates Recreation Center - Washington, D.C.: Low-slope roof membrane assembly and field turf replacement design and construction observation
- Oceans Edge Resort Hotel - Key West, FL: Low-slope roof membrane assembly replacement design and construction observation
- Walters Art Museum - Baltimore, MD: Water infiltration investigation and exterior enclosure condition assessment; roofing system rehabilitation design
- St. Elizabeths Hospital - Washington, D.C.: Historic preservation evaluation and rehabilitation design, including slate shingle, metal panel, metal shingle, clay tile, and low-slope membrane roofing
- University of Virginia, Old Cabell Hall - Charlottesville: Roof rehabilitation design, including slate shingle, metal panel, flat-seam metal, built-in metal gutter liners, and low-slope single-ply membrane roofing
- Virginia State Capitol - Richmond: Stone paving and waterproofing replacement design, and construction observation

Repair and Rehabilitation

- Washington Harbour - Washington, D.C.: Building envelope evaluation; masonry cavity wall, flood wall waterproofing, and horizontal roofing and waterproofing repair design and implementation
- Majestic Apartments - Washington, D.C.: Brick masonry building envelope evaluation, historic preservation, rehabilitation design, and construction period services
- St. Mary's Hospital MOB North - Richmond, VA: Building envelope evaluation, brick masonry cavity wall and joint sealant rehabilitation design, and construction period services
- FBI Academy - Quantico, VA: Design and construction period services for the repair and rehabilitation of sixteen brick masonry-clad buildings

Facade Assessment

- Eisenhower Executive Office Building - Washington, D.C.: Evaluation of granite facade elements
- University of Maryland, School of Dentistry - Baltimore: Evaluation of masonry, curtain wall, and metal panel facade construction
- 1735 K Street NW - Washington, D.C.: Evaluation of masonry facade distress and repair design

Construction Troubleshooting

- FDIC Student Residence Center - Arlington, VA: Construction period services for the repair and rehabilitation of masonry facades
- Central Utility Plant 2 - Washington, D.C.: New construction below-grade waterproofing and building envelope design peer review and construction observation
- The Woodley - Washington, D.C.: Building envelope consultant for new construction
- WellSpan Surgery and Rehabilitation Hospital - York, PA: Building envelope consultant for new construction

Failure/Damage Investigations

- Catholic Archdiocese of Baltimore - MD: Evaluation of earthquake damage to multiple properties
- The Whitney at Bethesda Theatre - MD: EIFS cladding failure investigation