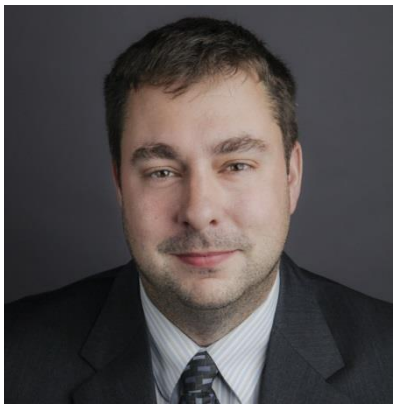
PERSONNEL QUALIFICATIONS

Michael A. Hebert | Senior Associate



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 MD
- Registered Roof Consultant

PROFESSIONAL AFFILIATIONS

- National Roofing Contractors Association
- RCI, Inc.
- 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 mid-Atlantic region. He works with various building materials, including hot-applied rubberized asphalt, cold fluid-applied, and sheet-applied waterproofing; slate shingle, metal shingle, asphalt shingle, metal panel, clay tile, and low-slope 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

- 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
- Virginia Governor's Mansion - Richmond: Steep- and low-slope metal roof rehabilitation design; historic preservation
- HHMI Janelia Farm Campus - Ashburn, VA: Green roof leakage investigation and roofing system replacement design
- University of Virginia, Rotunda - Charlottesville: Specialty roofing consultant and peer review services

Repair and Rehabilitation

- Washington Harbour - Washington, D.C.: Building envelope evaluation; masonry cavity wall and horizontal waterproofing repair design and implementation
- Majestic Apartments - Washington, D.C.: Brick masonry building envelope evaluation, historic preservation, rehabilitation design, and construction period services
- Tycon II & III - Vienna, VA: Building envelope evaluation, concrete facade repair and rehabilitation design, and construction period services

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

- The FBI Academy - Quantico, VA: Construction period services for the repair and rehabilitation of sixteen brick masonry-clad buildings
- FDIC Student Residence Center - Arlington, VA: Construction period services for the repair and rehabilitation of masonry facades
- 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
- Catholic University of America - Washington, D.C.: Evaluation of earthquake damage to multiple pre-1960 buildings
- The Whitney at Bethesda Theatre - MD: EIFS cladding failure investigation

Nondestructive Evaluation

- Dock Street Theatre - Charleston, SC: Evaluation of existing historic masonry for ultimate compressive and shear strengths using flatjacks
- Heritage Foundation - Washington, D.C.: Evaluation of concrete slab integrity using pulse velocity testing
- Ontelaunee Bridge - Berks County, PA: Evaluation of reinforced concrete open-spandrel arch bridge construction using ground penetrating radar techniques