



#### EDUCATION

- Virginia Tech
  - Bachelor of Civil Engineering, 2022

#### PRACTICE AREAS

- Building Enclosure Consulting
- Repair and Rehabilitation
- Structural Investigation
- Water/Air/Thermal Leakage Investigation
- Peer Review
- Building Enclosure Commissioning

#### CONTACT

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#### EXPERIENCE

Brady Volarich specializes in building science and building enclosure consulting for new construction projects, failure investigations, and rehabilitation/repair design for both architectural and structural applications. His focus ranges from peer review of design/construction documents, condition assessment surveys, load testing of structural anchorage assemblies, and fenestration performance and diagnostic testing.

Mr. Volarich evaluates architectural systems and materials through construction observations and investigations, including cavity and mass masonry assemblies, precast and cast-in-place concrete, stone cladding, various fenestration systems, metal panel rainscreen systems, fiber cement panels and siding, EIFS, above- and below-grade waterproofing, and various roofing assemblies.

#### REPRESENTATIVE PROJECTS

##### Building Enclosure Consulting

- Baltimore/Washington International Airport, Terminal A/B Connector - North Linthicum, MD: On-site review of exterior enclosure and fenestration performance testing during construction
- Johns Hopkins University, SNF Agora Building - Baltimore, MD: On-site review of exterior enclosure and fenestration performance testing during construction
- Bowie State University, Communications Arts and Humanities Building - Bowie, MD: Peer review of construction documents and on-site review of exterior enclosure during construction

##### Repair and Rehabilitation

- Federal Building - Orlando, FL: Whole-building condition assessment and repair scope development
- Pike and Rose Block 11 - North Bethesda, MD: Aluminum facade panels and masonry wall repair and curtain wall fin attachment retrofit
- U.S. Department of Housing and Urban Development Building - Washington, D.C.: Exterior stone facade panels rehabilitation/reclad and load testing of structural anchors

- *Baltimore Sun* Headquarters and Printing Press - MD: Whole-building condition assessment and repair scope development

##### Structural Investigation

- U.S. Senate Underground Garage - Washington, D.C.: Crack monitoring and forensic engineering services
- The Woodley Apartments - Washington, D.C.: Structural load testing of roof anchors
- Fairfax Arms - Lorton, VA: Historic residence structural condition assessment

##### Water/Air/Thermal Leakage Investigation

- Arlington Memorial Bridge - Arlington, VA: Stone cladding staining and water intrusion investigation
- The Otis Apartments - Richmond, VA: Air/humidity leakage and insect infiltration investigation
- Watergate West - Washington, D.C.: Fenestration water leakage investigation
- Fairfax Square - Vienna, VA: Below-grade waterproofing leakage investigation

##### Peer Review

- U.S. New Embassy Compound - Port of Spain, Trinidad and Tobago: Peer review of design documents for new construction
- 1201 East Abingdon Drive - Alexandria, VA: Peer review of design documents for existing building rehabilitation and expansion
- 2700 West Leigh Street - Richmond, VA: Peer review of design documents for new wood-framed building construction

##### Building Enclosure Commissioning

- Dominion Square Affordable Housing - Vienna, VA: Commissioning services and on-site review of exterior enclosure during construction
- Under Armour Headquarters, TMB2 Building - Baltimore, MD: Commissioning services and on-site review of exterior enclosure during construction