

### Julie A. Szabo | Associate Principal



#### EDUCATION

- Ryerson University
  - Bachelor of Architectural Science, Building Science, 2002
- Concordia University
  - Master of Building Engineering, Building Science, 2003

#### PRACTICE AREAS

- Building Science
- Water/Air Leakage Assessment
- Hydrothermal Analysis
- Peer Review
- Construction Troubleshooting
- Repair and Rehabilitation
- Roofing and Waterproofing
- Windows/Curtain Wall/Skylights

#### REGISTRATIONS

- ABAA Certified Air Barrier Specialist
- Certified Engineering Technologist in Ontario, Canada

#### PROFESSIONAL AFFILIATIONS

- American Society of Heating, Refrigerating, and Air-Conditioning Engineers
- Building Enclosure Council
- Air Barrier Association of America
- Ontario Association of Certified Engineering Technicians and Technologists

#### CONTACT

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#### EXPERIENCE

Julie Szabo joined WJE in 2007 and has more than seventeen years of dedicated experience in building enclosure and building science consulting services. She has extensive experience investigating enclosure performance issues, including air leakage, water infiltration, thermal performance, and condensation.

Ms. Szabo has worked on hundreds of projects involving the investigation, rehabilitation, and/or new construction of numerous exterior building enclosure components and systems. These include masonry cavity wall and mass wall construction, natural and cultured stone cladding, precast and cast-in-place concrete, below- and above-grade waterproofing and roofing systems, metal panel rainscreen systems, EIFS, and windows and curtain walls.

#### REPRESENTATIVE PROJECTS

##### Water/Air Leakage Assessment

- University of Michigan, North Campus Research Complex - Ann Arbor: Water leakage investigation
- Johns Hopkins University, Gilman Hall - Baltimore, MD: Moisture investigation
- Johns Hopkins University, Cancer Research Buildings I and II - Baltimore, MD: Air leakage investigation and repairs
- Children's National Medical Center - Washington, D.C.: Various water penetration investigations
- Morgan State University, Center for the Built Environment and Infrastructure Studies - Baltimore, MD: Water leakage investigation and repairs
- University of Michigan, Palmer Commons - Ann Arbor: Air leakage investigation

##### Peer Review

- Coppin State University, Science and Technology Building - Baltimore, MD: Constructability review of exterior enclosure systems
- Park Van Ness Multifamily Residential - Washington, D.C.: Exterior enclosure consulting and peer review
- The Pennsylvania State University, South Halls - State College: Exterior enclosure consulting and peer review
- 600 Massachusetts Avenue - Washington, D.C.: Exterior enclosure consulting and peer review

- Montgomery College Science East and Science West - Rockville, MD: Exterior enclosure consulting and peer review
- Morgan State University, Behavioral Sciences Center - Baltimore, MD: Constructability review of exterior enclosure systems
- Brush Park Building A-5 - Detroit, MI: Constructability review of enclosure assemblies

##### Construction Troubleshooting

- BRAC 133 Washington Headquarters Service - Alexandria, VA: Review of exterior enclosure during construction
- Children's National Medical Center, Cardiac Intensive Care Unit - Washington, D.C.: Quality control review of new exterior wall system
- Richmond Judicial Center - Richmond, VA: Review of exterior enclosure during construction
- The Pennsylvania State University, South Halls - State College: Review of renovation and new construction
- The Reserve at Tinner Hill - Falls Church, VA: Review of exterior enclosure during construction
- Jefferson at Inigo's Crossing - North Bethesda, MD: Review of exterior enclosure repairs during repairs
- Pike & Rose Residential Tower - North Bethesda, MD
- 1011 M Street Residential, Washington, DC: On-site review of exterior enclosure during construction
- City Club Apartments - Detroit, MI: Review of enclosure during construction phase
- 909 Rose Avenue - North Bethesda, MD: On-site review of exterior enclosure during construction

##### Repair and Rehabilitation

- Jefferson at Inigo's Crossing - North Bethesda, MD: Roof replacement and sealant replacement
- 12100 Sunset Hills Road - Reston, VA: Below-grade waterproofing repairs
- Children's National Medical Center - Washington, D.C.: Expansion joint and roofing repairs
- Courtyard Marriott - Silver Spring, MD: Window replacement and exterior wall repairs