

Julie A. Szabo | Senior Associate



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
- Hygrothermal Analysis
- Peer Review
- Construction Troubleshooting
- Repair and Rehabilitation
- Roofing and Waterproofing
- Windows/Curtain Wall/Skylights

PROFESSIONAL AFFILIATIONS

- American Society of Heating, Refrigerating and Air-Conditioning Engineers
- Building Envelope Council
- National Institute of Building Sciences
- Ontario Association of Certified Engineering Technicians and Technologists

CONTACT

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EXPERIENCE

Julie Szabo joined WJE's Washington, D.C. office in 2007 and has more than twelve years of dedicated experience in building enclosure and building science consulting services.

Ms. Szabo has extensive experience investigating enclosure performance issues, including air leakage, water infiltration, thermal performance, and condensation. She 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

- Hilton Old Town - Alexandria, VA: Air leakage and moisture investigation
- Johns Hopkins University, Gilman Hall - Baltimore, MD: Moisture investigation
- Johns Hopkins University, Cancer Research Building I and II - Baltimore, MD: Air leakage investigation and repairs
- Sheraton Dulles - Herndon, VA: Air and water leakage investigation
- Kaiser Capitol Hill - Washington, D.C.: Slab moisture investigation/testing
- Children's National Medical Center - Washington, D.C.: Various water penetration investigations
- Castro Commercial - San Francisco, CA: Basement condensation investigation
- Fort Lee, SCoE - VA: Water penetration investigation
- West Hollywood Gateway - CA: Below-grade waterproofing

Peer Review

- Coppin State University, Science and Technology Building - Baltimore, MD: Constructability review of exterior enclosure systems
- Park VanNess, 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 Ave - Washington, D.C.: Exterior enclosure consulting and peer review
- Montgomery College Science East and Science West - Rockville, MD: Exterior enclosure consulting and peer review

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 construction

Repair and Rehabilitation

- Jefferson at Inigo's Crossing - North Bethesda, MD: Roof replacement and sealant replacement
- One Market Street - San Francisco, CA: Seventh-floor patio deck and planters waterproofing replacement
- 12100 Sunset Hills Road - Reston, VA: Below-grade waterproofing repairs
- Children's National Medical Center - Washington, D.C.: Expansion joint and roofing repairs
- Loudoun Station Residential - Ashburn, VA: Through-wall flashing repairs