



## PERSONNEL QUALIFICATIONS

### Daniel J. Lemieux | Principal Director of International Operations



#### EDUCATION

- Georgia Institute of Technology
  - Bachelor of Science, Architecture, 1988

#### PRACTICE AREAS

- Facade Assessment
- Building Enclosure Consulting
- Failure Investigation
- Repair and Rehabilitation Design
- Design Peer Review
- Historic Preservation
- Litigation Technical Support

#### REGISTRATIONS & CHARTERS

- U.S.: Washington, D.C., MD, VA, NY, and GA
- International: Canada (Ontario), Australia (NSW)
- National Council of Architectural Registration Boards, U.S.
- MRICS, UK - Pending

#### PROFESSIONAL AFFILIATIONS

- American Architectural Manufacturers Association
- APT International
- ASTM International
- American Institute of Architects
- Center for Window and Cladding Technology, United Kingdom
- National Institute of Building Sciences

#### CONTACT

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#### EXPERIENCE

Since joining WJE in 1996, Daniel Lemieux has successfully completed hundreds of projects in the area of building enclosure failure investigation, repair design, and architectural rehabilitation, including projects that have been recognized both locally and nationally for design and restoration excellence. In October 2005, Mr. Lemieux assumed management responsibility for the Washington, D.C. office of WJE, responsible for the continued development and expansion of that practice until January 2016, when he joined the International Operations group as Director, responsible for advancing our global practice in architecture and building science.

As a building enclosure specialist, Mr. Lemieux has authored, coauthored, and served as technical editor for the National Institute of Building Sciences (NIBS) during its initial development of *NIBS Guideline 3: Exterior Enclosure Technical Requirements for the Commissioning Process*. He currently serves as vice chair of ASTM Committee E06, Performance of Buildings; chair of ASTM Subcommittee E06.55, Performance of Building Enclosures, and is founding chair and a primary author of ASTM E2813, *Standard Practice for Building Enclosure Commissioning (BECx)*. As ASTM chair, Mr. Lemieux worked closely with colleagues from WJE and peer-level practicing and teaching professionals from across the U.S. and Canada to support the development of ASTM E2813 and ASTM E2947 together with the establishment of a Memorandum of Agreement between ASTM and NIBS to work together to further advance our understanding of building science and the physics of building enclosure and whole-building performance.

In 2011–2012, Mr. Lemieux supported our post-earthquake assessment and repair design for the Washington Monument and Washington National Cathedral as contributing architect to the WJE team and technical liaison to the Public Information Office of the U.S. National Park Service, responsible for responding to technical inquiries from local, national, and international broadcast and print media.

#### REPRESENTATIVE PROJECTS

##### Facade Assessment and Consulting

- Multiple Properties - UK and EU: Exterior cladding and fire protection
- 135 Bishopsgate - London, UK: Thin stone granite veneer on strong-back steel framing, glazed aluminum curtain wall, sloped glazing, low-slope roofing, and waterproofing
- 1 Finsbury Avenue - London, UK: Grade 2 Listed patented curtain wall (J.A. Gartner)
- Opus Tower - Dubai, UAE: Silicone structurally glazed cold-bent insulating glass
- Al Maryah Central - Abu Dhabi, UAE: Point-supported glass, ACP and GFRC
- DIFC Gate Building - Dubai, UAE: Thin stone veneer in open-jointed rainscreen facade
- FIFC Financial Center - Mumbai, India: Silicone structurally glazed curtain wall
- Multiple properties - U.S.: Technical peer review and QA services for silicone structurally glazed curtain wall supplied from China

##### Failure Investigation

- Multiple Properties - U.S.: In-service migration of gray polyisobutylene sealant in planar and cold-bent insulating glass units
- U.S. Federal Courthouse - Western District of New York: Condensation potential in a cold climate, architectural precast concrete
- Square 54 - Washington, D.C.: Optical distortion and birefringence in glass
- Philip Merrill Environmental Center, Annapolis, MD: In-service deterioration of engineered wood structure and sheathing
- Richmond City Hall - Richmond, VA: In-service strength loss in exterior thin-stone marble veneer

##### Design Peer Review

- U.S. General Services Administration Design Excellence Team: Peer review of point-supported and silicone structurally glazed curtain wall for U.S. Federal Courthouses

##### Historic Preservation

- Washington Monument - Washington, D.C.: Post-earthquake assessment, temporary stabilization, and repair design
- Washington National Cathedral - Washington, D.C.: Post-earthquake assessment, temporary stabilization and repair design