PERSONNEL QUALIFICATIONS

Daniel J. Lemieux | Principal and Director of International Development

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 AND PROFESSIONAL AFFILIATIONS

- Registered Architect: United States (DC, MD, VA, NY, GA, FL, NC, SC, PA)
- Listed Architect; Canada (Ontario); Australia (New South Wales)
- Certified Architect: National Council of Architectural Registration Boards (NCARB)
- Royal Institute of British Architects (RIBA), United Kingdom
- Royal Institute of Chartered Surveyors (MRICS Building Control), United Kingdom
- College of Fellows: American Institute of Architects (FAIA)
- College of Fellows: ASTM International (FASTM)

CONTACT

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EXPERIENCE

Since joining WJE in 1996, Daniel Lemieux has successfully completed hundreds of projects in building enclosure failure investigation, repair design, and architectural rehabilitation, including projects that have been recognized nationally for design and restoration excellence. As the firm's Director of International Development, he is responsible for advancing WJE's global architecture and building science practices. Prior to that, Mr. Lemieux served as managing principal of WJE's Washington, D.C. office from 2005 to 2016.

Mr. Lemieux currently serves on multiple ASTM International committees, including vice chair of E06, Performance of Buildings and chair of E06.55, Performance of Building Enclosures. He is founding chair and a primary author of ASTM E2813, *Standard Practice for Building Enclosure Commissioning (BECx)* and worked closely with WJE colleagues and practicing and teaching professionals from across North America to support the development of ASTM E2813; ASTM E2947, *Standard Guide for Building Enclosure Commissioning (BECx)*; and ASHRAE Standard 202, *Commissioning Process for Buildings and Systems*. He served as an author and technical editor for the National Institute of Building Sciences' (NIBS) web-based *Whole Building Design Guide* and *NIBS Guideline 3: Exterior Enclosure Technical Requirements for the Commissioning Process*.

Mr. Lemieux has developed, chaired, and been invited to speak at multiple workshops and symposia on building science and the physics of building enclosure performance in North America, the UK, EU, UAE, and China and has cochaired the Symposium on Building Physics and Conservation with Historic England and Historic Environment Scotland in London.

Since the tragedy at Grenfell Tower, Mr. Lemieux was invited to assess proposed regulatory reforms in the UK in response to the fire and continues to work closely with WJE's fire and life safety practice on this topic through committee work with the Society of Fire Protection Engineers Europe.

REPRESENTATIVE PROJECTS

Facade Assessment and Consulting

- Multiple Properties - EU and UK: 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, aluminum composite panel, and glass fiber reinforced concrete
- Meydan One Mall - Dubai, UAE: Large-span sloped glazing and ETFE
- FIFC Financial Center - Mumbai, India: Silicone structurally glazed curtain wall

Failure Investigation

- Multiple Properties - U.S.: In-service migration of gray polyisobutylene sealant in planar and cold-bent insulating glass units
- Western District of New York, U.S. Federal Courthouse: Condensation potential in 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 - 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.: Architect of record and authorized media representative during the post-earthquake assessment, temporary stabilization, and repair design
- Washington National Cathedral - Washington, D.C.: Post-earthquake assessment, temporary stabilization, and repair design