PERSONNEL QUALIFICATIONS

Anthony Leonardelli | Senior Associate

EDUCATION

- Milwaukee School of Engineering
  - Bachelor of Science, Architectural Engineering, 2014
  - Master of Science, Structural Engineering, 2014

PRACTICE AREAS

- Building Enclosure Consulting
- Building Enclosure Testing
- Masonry Repairs
- Repair and Rehabilitation
- Air Barriers
- Facade Surveying
- Water/Air Leakage Assessment
- Waterproofing
- Windows and Curtain Walls

REGISTRATIONS

- Professional Engineer in WI

CONTACT

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EXPERIENCE

Anthony Leonardelli is experienced in performing building enclosure consulting and testing, as well as development of facade repair design. He has performed numerous facade surveys of various structures, including commercial, high-rise residential, and educational facilities. He has been involved in investigation, repair design, and preparation of repair documents for brick masonry, waterproofing, and curtain wall glazing systems. Mr. Leonardelli is particularly experienced in field investigations related to air and water leakage testing and has developed and executed testing programs to pinpoint sources of leakage, and subsequently developed repair approaches to address these issues.

Mr. Leonardelli has conducted observations during the mock-up repair phase and full-scale repair implementation on both existing structures and new construction projects to verify that work is being implemented in accordance with the contract documents. Construction observation activities include quality assurance observation, troubleshooting construction defects, field testing, and repair recommendations.

REPRESENTATIVE PROJECTS

Building Enclosure Consulting

- Children's Hospital of Wisconsin, Surgery Renovation and Ambulatory Expansion - Wauwatosa: On-site review of mock-up and in-progress curtain wall and metal panel installation; observation of quality assurance water penetration testing of curtain wall and air barrier system
- Mercy Gilbert Medical Center, Dignity Health Women and Children's Tower - Gilbert, AZ: On-site review and testing of building envelope mock-up; review and testing of in-progress curtain wall and air barrier installation
- Advocate Good Shepherd Hospital - Barrington, IL: Quality assurance water penetration testing of curtain wall and air barrier system
- CHI Health Clinic - Omaha, NE: Air/moisture infiltration quality assurance testing, construction observation, and curtain wall and skylight repair design

Repair and Rehabilitation

- Milwaukee Federal Building and Courthouse - WI: Facade assessment, brick masonry and stone repair design and construction documents, on-site construction observation, and review of in-progress and completed repairs
- Gas Light Building - Milwaukee, WI: Facade assessment, brick masonry repair design, and on-site construction observation
- Baptist Medical Center - Little Rock, AR: Precast concrete, masonry, and roofing/expansion joint interface repair design and construction observation

Facade Surveying

- Yankee Hill - Milwaukee, WI: Close-up and binocular critical facade examination; concrete, masonry, and waterproofing repair design
- Archdiocese of Chicago - IL: Visual and close-up observations of more than one hundred churches and church campus buildings; surveys of exterior wall systems, mass masonry, roofing, and portions of structural framing systems and bell towers

Water/Air Leakage Assessment

- Reserve at High Point Apartments - Madison, WI: Water leakage assessment, repair masonry/waterproofing repair design, on-site repair review, and follow-up leakage testing
- Gateway Technical College - Racine, WI: Water leakage assessment and repair masonry/waterproofing repair design, on-site repair review, and follow-up leakage testing
- Comcast Innovation Tower - Philadelphia, PA: On-site observation of plant assembly of unitized curtain wall panels, plant and in-field water leakage testing of installed curtain wall assembly, quality assurance protocol, and repair recommendations