



#### EDUCATION

- Milwaukee School of Engineering
  - Bachelor of Science, Architectural Engineering, 2013
  - Master of Science, Structural Engineering, 2013

#### PRACTICE AREAS

- Facade Assessment
- Repair and Rehabilitation
- Stone Testing
- Structural Analysis
- Instrumentation/Monitoring/Load Testing

#### REGISTRATIONS

- Professional Engineer in IL
- FAA Licensed Remote Pilot

#### PROFESSIONAL AFFILIATIONS

- Building Enclosure Council - Chicago

#### CONTACT

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#### EXPERIENCE

Since joining WJE in 2013, Jeffrey Scarpelli has had a wide range of experience in the investigation and testing of building enclosures. He has taken part in numerous building enclosure condition surveys, water leakage investigations, and water leakage tests. Mr. Scarpelli has also performed construction observation and testing services during repairs of both large and small projects. These services have included the review of in-progress repairs and quality assurance testing during construction.

Mr. Scarpelli has also performed laboratory testing of stone cladding, anchorage, and paving systems. This testing has included compressive strength, durability, and tensile capacity in accordance with ASTM standards.

#### REPRESENTATIVE PROJECTS

##### Facade Assessment

- Wyoming State Capitol - Cheyenne, WY: Limestone facade condition assessment and documentation services
- 980 North Michigan Avenue (One Magnificent Mile) Building - Chicago, IL: Investigation and documentation of thin granite veneer
- One O'Hare Center - Rosemont, IL: Investigation and documentation of sealant and granite panels
- LaSalle-Wacker - Chicago, IL: Investigation and documentation of limestone panels and brick masonry
- CGH Medical Center - Sterling, IL: Water leakage investigation of masonry and windows
- University Village Lofts - Chicago, IL: Water leakage investigation and documentation of roof and EIFS wall system
- Grand Valley State University, Devos Building - Grand Rapids, MI: Drone survey of cast stone units

#### Repair and Rehabilitation

- Miami Dade County Courthouse - Miami, FL: Building investigation and assessment of Terra cotta cladding system, construction administration, and observation services
- Hospital - Chicago, IL: Precast concrete facade investigation, moisture investigation, construction observation and documentation services
- Regions Center - Birmingham, AL: Granite panel failure investigation, repair design, and construction administration

#### Structural Analysis

- SC Johnson Wax - Racine, WI: Structural investigation and analysis, construction administration, and load testing
- Large Global Warehouse Chain - Various Locations: Structural inspection of roof joists, snow load surveys, and construction observations
- Rock-Tenn - North Chicago, IL: Computer modeling and bowstring truss analysis

#### Instrumentation/Monitoring/Load Testing

- National Air and Space Museum - Washington, D.C.: Laboratory strength, durability, and bow testing of marble panels
- Hudson Yards - New York, NY: Laboratory strength and durability testing of marble pavers
- Princeton Lewis Center for the Arts - Princeton, NJ: Laboratory strength testing of limestone panels and lateral anchors
- Water Tower Place - Chicago, IL: Laboratory strength testing of thin marble panels and helical anchors
- Qatar Onyx Stone - Northbrook, IL: Accelerated weathering laboratory testing of thin onyx stone panels
- Carthage Napoleon Grey Marble - Kenosha, WI: Laboratory strength testing of limestone panels
- Lombard Swim Club - Philadelphia, PA: Dynamic coefficient of friction testing of deck coatings