PERSONNEL QUALIFICATIONS

Jeffrey M. Weisenberger | Associate III

EDUCATION

- College of DuPage
  - Associate of Science, Pre-Architecture, Architecture, 2018
- Illinois Institute of Technology
  - Bachelor of Architecture, 2021
  - Master of Engineering, Architectural Engineering, 2022

PRACTICE AREAS

- Windows and Curtain Walls
- Building Science
- Facade Assessment
- Roofing and Waterproofing
- Small UAS (Drone) Services
- Instrumentation/Monitoring/ Load Testing

REGISTRATIONS

- FAA Licensed Remote Pilot
- Society of Professional Rope Access Technicians - Level 1 Technician

PROFESSIONAL AFFILIATIONS

- Building Enclosure Council Chicago
- Skyline Council of Landmarks Illinois

CONTACT

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EXPERIENCE

Jeffrey Weisenberger conducts building enclosure evaluations and investigations of distressed and deteriorated conditions in existing buildings. He also designs repairs and performs construction observations. His expertise includes the investigation, testing, and repair of glass, masonry, and concrete facades, as well as roofing systems in contemporary and historic buildings.

Mr. Weisenberger specializes in using diagnostic water testing in field investigations, supplemented by surveying using industrial rope access techniques and drone technology. His projects have included investigating existing buildings, performing thermal analysis of existing and new construction, writing investigative reports, designing repairs, developing construction documents, and performing construction observation services.

REPRESENTATIVE PROJECTS

Windows and Curtain Walls

- 225 North Elizabeth Street - Chicago, IL: Construction observation services
- Neal Smith Federal Building - Des Moines, IA: Water testing and repair design
- One North Wacker Drive - Chicago, IL: Water testing and repair design
- 801 South Canal Street - Chicago, IL: Observation of water testing and construction observation services

Building Science

- Savanna Convention Center - GA: Thermal modeling of new construction details to estimate condensation potential
- Illinois Institute of Technology - Chicago: Thermal modeling of enclosure retrofit options
- Beacon Tower - South Bend, IN: Thermal modeling of new construction details to estimate condensation potential

Facade Assessment

- The Clare - Chicago, IL: Inspection and repair of cast-in-place concrete with aluminum window facade
- 77 West Wacker Drive - Chicago, IL: Inspection and repair of granite with aluminum window facade
- Erie on the Park - Chicago, IL: Assessment of facade using industrial rope access techniques and development of repair recommendations

Roofing and Waterproofing

- Illini Union - Urbana, IL: Roofing replacement design
- 725 West Waveland Avenue - Chicago, IL: Roofing replacement design and construction observation
- Sentral Union Station - Denver, CO: Roofing assessment and repair recommendations
- 1769 and 1819 West Pershing Road - Chicago, IL: Roofing and facade survey

Small UAS (Drone) Services

- Sentral Union Station - Denver, CO: Thermal scan and roofing survey
- New Construction Warehouse - DeKalb, IL: Documentation of cracking in concrete slab
- Chicago High-Rise Buildings - IL: Drone photography

Instrumentation/Monitoring/Load Testing

- Madison Street at Racine Avenue - Chicago, IL: Installation of moisture monitor sensors and weekly analysis of moisture sensor data to determine effectiveness of roofing repairs
- 219 East Lake Shore Drive - Chicago, IL: Observation of installation and certification load testing of facade access equipment on roof and brick masonry penthouse walls
- Roosevelt University, Auditorium Building - Chicago, IL: Certification load testing of facade access equipment on roof
- Cook County Buildings - Chicago, IL: Evaluation and certification load testing of existing facade access equipment