

Fergus C. McCallan | Specialist



PRACTICE AREAS

- Building Envelope Assessment
- Computer-Aided Drafting
- Construction Phase Services
- Nondestructive Evaluation
- Condition Assessment
- Water Leakage Investigation
- Roofing and Waterproofing
- Windows and Curtain Walls

REGISTRATIONS

- ACI Certified Concrete Field Testing - Grade I
- Registered Exterior Wall Observer
- Registered Roof Observer

PROFESSIONAL AFFILIATIONS

- American Concrete Institute
- International Concrete Repair Institute
- International Institute of Building Enclosure Consultants

CONTACT

fmccallan@wje.com
312.372.0555
www.wje.com

EXPERIENCE

Fergus McCallan joined WJE in 1997 and has worked on hundreds of field projects involving concrete, steel, glass, brick, mortar, stone, terra cotta, and roofing systems. His work includes investigating historic structures, high-rise buildings, parking structures, institutional facilities, and single-family homes. Mr. McCallan has conducted various field tests, including curtain wall performance testing, window system evaluations, water leakage investigations, half-cell measurements, and structural integrity assessments of parking garages. He also possesses extensive expertise in quality control inspections, preparing construction documents, conducting field observations during the construction phase, and assessing building facades and exterior wall systems.

REPRESENTATIVE PROJECTS

Building Envelope Assessment

- Kendall Mall Miami - FL: Exterior cladding investigation
- 1110 North Lake Shore Drive - Chicago, IL: Construction observation for repair of exterior concrete walls
- Lowell House - Chicago, IL: Facade survey, preparation of repair documents, and construction observation of exterior concrete walls and balcony repairs, window replacement, and building coating

Construction Phase Services

- One River Place - Chicago, IL: Facade survey, preparation of repair documents, and construction observations of exterior concrete wall repairs; architectural coating installation
- Delaware Place on the Park - Chicago, IL: Facade survey, preparation of repair documents, and construction observation of exterior concrete walls and balconies for repairs
- The Emerald - Chicago, IL: Facade survey, preparation of repair documents, and construction observation of exterior concrete walls and balconies for repairs

Nondestructive Evaluation

- 800 Devon Avenue - Elk Grove Village, IL: Parapet failure evaluation using thermography
- 405 North Mayflower Road - Lake Forest, IL: Frost point testing
- Amazon Fulfillment Center - Matteson, IL: Concrete floor evaluation

Condition Assessment

- MacNeal Hospital - Berwyn, IL: Investigation of concrete garage slabs and traffic bearing membrane
- Delaware Place on the Park - Chicago, IL: Investigation, preparation of repair documents, and construction observation of concrete parking garage slab repairs and traffic-bearing membrane installation
- Rush University Medical Center - Chicago, IL: Haunch failure investigation

Water Leakage Investigation

- Great Lakes Naval Base - Chicago, IL: Water leakage investigation
- Children's Wisconsin Hospital - Milwaukee, WI: Water leakage investigation
- Axis Apartment - Chicago, IL: Water leakage investigation
- Palmetto Promenade - Boca Raton, FL: Forensic water testing and exterior building enclosure investigation

Roofing and Waterproofing

- 9401 West Grand - Franklin Park, IL: Roofing observations
- 1769-1819 West Pershing Road - Chicago, IL: Roof replacement observation
- South Chicago Learning Center - IL: Roof replacement
- Olive-Harvey College - Chicago, IL: Roof replacement