



PERSONNEL QUALIFICATIONS

Richard A. Weber | Principal and West Region Director



EDUCATION

- University of Illinois at Chicago
 - Bachelor of Architecture, Structures Option, 1990

PRACTICE AREAS

- Building Envelope Assessment
- Capital Reserve Analysis
- Design Peer Review
- Masonry Deterioration
- Repair and Rehabilitation Design
- Structural Investigation
- Water Penetration Testing
- Windows and Curtain Walls

REGISTRATIONS

- Architect in AZ, CO, ID, IL, MA, MD, MI, MS, NJ, NV, OR, WA, and WI
- Structural Engineer in IL

PROFESSIONAL AFFILIATIONS

- ASTM International (ASTM)
- Structural Engineers Association of Illinois (SEAOI)

TECHNICAL COMMITTEES

- ASTM E06 - Performance of Buildings

CONTACT

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EXPERIENCE

Richard Weber joined WJE in 1988 and has investigated hundreds of structures across the United States. He has examined various building problems, performed structural analyses, and designed repairs for commercial, institutional, and residential buildings. Most projects have involved water leakage, deterioration, or collapse of exterior cladding and framing systems. Mr. Weber has explored various cladding systems, including masonry, windows, curtain walls, skylights, terra cotta, glass fiber reinforced concrete (GFRC), metal panels, and stucco. Mr. Weber has performed and supervised the testing of exterior cladding components based on standards developed by ASTM International and the American Architectural Manufacturers Association, as well as procedures developed for specific projects.

Mr. Weber has authored and coauthored several articles in professional publications related to water leakage testing, repair, and construction detailing. He has also been a lecturer for the University of Wisconsin Department of Professional Development program on the structural design of masonry and at national conventions for the American Institute of Architects, Construction Specifications Institute, and the American Society for Health Care Engineering related to investigation and prevention of moisture problems.

REPRESENTATIVE PROJECTS

Building Envelope Assessment

- Brementowne Estates - Tinley Park, IL: Investigation of water leakage and recladding design for eighty-five-building townhome complex
- OSF St. Francis Medical Center - Peoria, IL: Investigation of water leakage and repair design for GFRC panel system
- The State Parkway Condominiums - Chicago, IL: Investigation and repair design related to exterior masonry
- William P. Hobby Airport - Houston, TX: Leakage investigation, field water testing, and repair design
- OSF Healthcare Saint Francis Medical Center - Peoria, IL: Facade assessment and repair design of multiple hospital buildings

Design Peer Review

- Knoxville Convention Center - TN: Review of design documents related to exterior envelope
- Omaha VA Ambulatory Care Center - NE: Exterior envelope design review and construction observation services
- National Bio and Agro-Defense Facility - Manhattan, KS: Exterior envelope design review, on-site mockup review, quality control testing, and construction observation
- National Institute for Standards and Technology Facility - Gaithersburg, MD: Peer review related to exterior wall systems
- Southeast Louisiana Veterans Health Care System, Replacement Medical Center - New Orleans: Exterior envelope design review, quality control testing, and construction observation services
- Walter E. Washington Convention Center - Washington, D.C.: Review of design documents for exterior envelope

Windows and Curtain Walls

- 3440 North Lake Shore Drive Condominiums - Chicago, IL: Investigation of water leakage and complete exterior renovation design, including window replacement
- Environmental Protection Agency, Research and Administration Facility - Raleigh, NC: Investigation of water leakage in vaulted atrium skylight system
- Federal Bureau of Investigations Crime Lab - Quantico, Virginia: Investigation and development of repair of unitized curtain wall system
- OSF St. Joseph Medical Center - Bloomington, IL: Investigation of window system and replacement design