PERSONNEL QUALIFICATIONS

Mark K. Schmidt | Principal

EDUCATION

- Valparaiso University
  - Bachelor of Science, Civil Engineering, 1983
- University of Wisconsin–Madison
  - Master of Science, Structural Engineering, 1987

PRACTICE AREAS

- Facade Assessment
- Glass Performance Studies
- Historic Preservation
- Litigation Support
- Prepurchase Surveys
- Repair and Rehabilitation Design

REGISTRATIONS

- Professional Engineer in FL
- Structural Engineer in IL

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers
- ASTM International

TECHNICAL COMMITTEES

- ASTM C14 - Glass and Glass Products
- ASTM C24 - Building Seals and Sealants
- ASTM E06 - Performance of Buildings

CONTACT

mschmidt@wje.com
847.272.7400
www.wje.com

EXPERIENCE

Since 1982, Mark Schmidt has worked in several WJE offices—Denver, Dallas, and the Northbrook headquarters. During this time, he has focused on the assessment, preservation, remedial design, and implementation of restoration programs for various building envelopes. Mr. Schmidt has led investigations involving glass and aluminum curtain walls, architectural precast concrete panels, thin stone veneers, stone and brick masonry, terra cotta, door and window assemblies, skylights, composite panels, mosaic tile systems, and EIFS and stucco systems.

Mr. Schmidt has performed hundreds of building envelope investigations addressing operational concerns (such as water infiltration and corrosion), safety concerns (such as glass breakage, anchorage, and component failure), and aesthetic concerns (such as finish or surface degradation). He has developed a specific area of expertise related to the assessment of architectural glass components. Mr. Schmidt has also participated in a wide variety of investigations, structural analyses, and repair design projects involving concrete, steel, aluminum, masonry, and wood structures.

REPRESENTATIVE PROJECTS

Facade Assessment

- University of Phoenix Stadium - Glendale, AZ: Investigation of wind-related effects on composite cladding panels
- John Hancock Building - Chicago, IL: Evaluation of corroded curtain wall components
- National Institute of Health - Bethesda, MD: Investigation of aluminum sunshade failure

Glass Performance Studies

- U.S. Federal Courthouse - Hammond, IN: Investigation of glass guard breakage
- Eastern Illinois University - Charleston, IL: Investigation of interior decorative glass breakage
- University of Chicago Medical Center - IL: Evaluation of glass distortion issues
- Trump International Hotel and Tower - Chicago, IL: Investigation of reported insulating glass unit damage during construction

Historic Preservation

- 135 South LaSalle Street - Chicago, IL: Limestone, brick, and sealant repairs to landmark building
- Miami-Dade County Courthouse - Miami, FL: Investigation of distressed historic terra cotta facade

Litigation Support

- Des Moines Public Library - IA: Evaluation of spontaneous exterior glass breakage
- Discovery Square - Reston, VA: Evaluation of insulating glass unit breakage
- Sherwood Hotel - Tamuning, Guam: Investigation of damage to EIFS facade following Typhoon Paka

Repair and Rehabilitation Design

- Schaumburg Corporate Center - Schaumburg, IL: Waterproofing repairs to glass and aluminum curtain wall systems
- One Brickell Square - Miami, FL: Restoration of white precast concrete facade, window systems, trellis systems, and parking garage
- Court House Center - Miami, FL: Structural, waterproofing, and precast concrete facade repairs
- James R. Thompson Center - Chicago, IL: Waterproofing repairs and snow melting system for 165-foot-diameter skylight
- Highland Place One - Englewood, CO: Waterproofing repairs to glass and lock-strip gasket curtain wall