PERSONNEL QUALIFICATIONS

Joseph M. Zale | Principal

EDUCATION

- University of Illinois at Urbana-Champaign
  - Bachelor of Science, Architectural Studies, 2001
  - Master of Architecture, Structures Option, 2004

PRACTICE AREAS

- Building Enclosure Consulting
- Historic Preservation
- Masonry Restoration
- Repair and Rehabilitation Design
- Roofing and Waterproofing
- Water/Air Leakage Assessment

REGISTRATIONS

- Architect in IL
- Registered Roof Observer

PROFESSIONAL AFFILIATIONS

- International Institute of Building Enclosure Consultants
- Sealant, Waterproofing, and Restoration Institute

CONTACT

jzale@wje.com
626.696.4650
www.wje.com

EXPERIENCE

Joseph Zale manages and conducts building enclosure investigation, repair, and peer review projects. He has performed water leakage investigations and evaluated moisture problems caused by air infiltration and thermal anomalies in the building enclosure. Mr. Zale has supervised and carried out the testing of exterior cladding and roofing systems based on standards developed by the American Society for Testing and Materials and the American Architectural Manufacturers Association, as well as modified procedures developed for specific projects.

Mr. Zale has focused on exterior wall and roofing system evaluations and the integration of the two. He has been engaged in the restoration of buildings ranging from historic churches and residences to high-rise offices. His investigations and restoration projects have involved various materials, including brick masonry, terra cotta, roofing and waterproofing, and window and curtain wall systems. Mr. Zale has managed repair and rehabilitation design projects including masonry rebuilding, full and partial facade recladding, roofing and waterproofing replacement, window replacement, and peer reviews for new construction.

REPRESENTATIVE PROJECTS

Building Enclosure Consulting

- 135 Bishopsgate - London, UK: Investigation and repair design for thirteen-story high rise with thin stone granite panels, storefront windows, and protected membrane roofing
- Los Angeles City Employees Retirement System Headquarters - CA: Unique facade overcladding, roofing replacement, and facade access upgrades
- Government Center - San Bernardino, CA: Leakage investigation and repair design for replacement of metal panel roofing, sloped glazing, stucco, and systems integrations

Historic Preservation

- Art Institute of Chicago - IL: Repair designs utilizing unique reinforced PMMA resin systems in protected membrane application and at existing built-in gutters
- Eastern Columbia Building - Los Angeles, CA: Restoration of decorative terra cotta facade with detailing for unit replacement and unique silicate glaze coating repairs
- Hollyhock House - Los Angeles, CA: Water leakage investigation and repair design for various system integrations at historic Frank Lloyd Wright-designed residence

Masonry Restoration

- Clark Adams Building - Chicago, IL: Restoration of historic 41-story, Daniel Burnham-designed building with brick, terra cotta, and cast stone facade
- Dix Dam Hydroelectric Power Plant - Bergin, KY: Restoration of historic 1920s, steel-framed brick structure and steel windows
- Los Angeles Times Building - Los Angeles, CA: Investigation and repair design for historic limestone facade
- St. Mary of the Angels - Chicago, IL: Reclad design of terra cotta church dome and restoration of brick masonry bell towers and terra cotta front entrance portico

Roofing and Waterproofing

- Dodger Stadium - Los Angeles, CA: Lead for design efforts for waterproofing systems replacement in clubhouse expansion project
- Superior Courthouse - Rancho Cucamonga, CA: Replacement design of bulb tee-style metal standing seam roof at barrel vault and new adhered, single-ply roof systems
- Fulton County Courthouse - Atlanta, GA: Investigation and slate roof replacement design with copper sheet metal detailing

Water/Air Leakage Assessment

- Delta Maintenance Hangar - Los Angeles, CA: Diagnostic testing of metal roof/wall panel assemblies and repair design
- Sofi Stadium - Inglewood, CA: Lead for difficult access team in water leakage investigation of unique operable roof panel system
- Westin Hotel - Pasadena, CA: Diagnostic water penetration testing of facade and pool deck waterproofing systems