



PERSONNEL QUALIFICATIONS

James C. Strong | Associate Principal



EXPERIENCE

James Strong focuses on investigating and solving water intrusion problems. He contributes expertise gained through failure investigations and experience with the development of construction standards. Mr. Strong performs field and laboratory investigations, conducts observations, selects repair and replacement materials, and prepares reports. Before joining WJE in 2000, Mr. Strong was a principal at Testing Engineers, Inc. for nineteen years. He provided building enclosure consulting, managed the roofing department, and served as the chief operating officer.

REPRESENTATIVE PROJECTS

Failure/Damage Investigations

- County and School District Buildings - Aransas County, TX: Evaluation of hurricane wind damage and designs of repairs and reroofing
- Ernest N. Morial Convention Center - New Orleans, LA: Investigation of hurricane wind damage to roofing and repair design

Design

- Grace Cathedral - San Francisco, CA: Owner's representative for design-build reroofing and architectural concrete restoration
- Philadelphia Museum of Art - PA: Peer review of waterproofing design for new subgrade construction

Litigation Consulting

- Horizon and MontBleu Casino Resort Hotels - South Lake Tahoe, NV: Investigation of adequacy of lessee's maintenance of buildings' exterior enclosure and testimony at trial
- Warehouse - Metairie, LA: Investigation of hurricane wind damage and testimony at trial

Roofing and Waterproofing

- Marin County Civic Center - San Rafael, CA: Field and laboratory testing to support selection of replacement for iconic blue roofing at Frank Lloyd Wright-designed building

- Old Santa Fe Trail Building - Santa Fe, NM: Construction phase services for reroofing
- Andersen Air Force Base Exchange - Guam: Investigation of splitting of liquid-applied membrane on concrete roof deck and testimony at mediation
- University of California, San Francisco, Research Building: Investigation of failure of new flooring
- One Market Plaza - San Francisco, CA: Design of waterproofing for renovation of plazas
- Wawona Hotel - Yosemite National Park, CA: Waterproofing specification for bathroom renovation; investigation of wood roofing and design for reroofing project
- Shopping Center - Los Angeles, CA: Investigation of leakage at below-grade and plaza waterproofing, repair design, and litigation support

EIFS, Stucco, Plaster

- Alameda County Medical Center - Oakland, CA: Investigation of leakage in new construction, repair design, and litigation support
- Environmental Protection Agency Building - San Francisco, CA: Repair design and construction phase services for EIFS, roofing, deck waterproofing, and interior green wall

Masonry

- Blimp Hangars - Santa Clara County, CA: Investigation of rising dampness in brick masonry and repair design

Coatings and Sealants

- Cathedral of Christ the Light - Oakland, CA: Investigation of leakage at concrete exterior walls, repair design, and construction phase services

REPRESENTATIVE PUBLICATIONS

- Strong, J.C., and J.R. Kovach. "Water Absorption in Cold Liquid-Applied Waterproofing," *Durability of Building and Construction Sealants and Adhesives*, ASTM STP 1453, 88-96
- Strong, J.C., J.R. Kovach, and V.S. Eng. "Standards Development for Impermeable, Constructible, and Durable Waterproofing," *Journal of ASTM International* 3, no. 2 (2006):1-19

EDUCATION

- Michigan State University
 - Bachelor of Arts, Communications, 1970

PRACTICE AREAS

- Failure/Damage Investigations
- Design
- Litigation Consulting
- Roofing and Waterproofing
- EIFS, Stucco, Plaster
- Masonry
- Coatings and Sealants

PROFESSIONAL AFFILIATIONS

- ASTM International (ASTM), Fellow
- International Concrete Repair Institute (ICRI)

TECHNICAL COMMITTEES

- ASTM C24 - Building Seals and Sealants
- ASTM D08 - Roofing and Waterproofing
- ASTM E06 - Performance of Buildings
- ASTM F06 - Resilient Floor Coverings

CONTACT

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