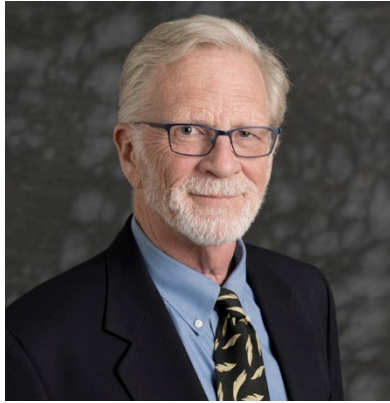




## PERSONNEL QUALIFICATIONS

### James C. Strong | Associate Principal



#### 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, 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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510.428.2907  
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#### EXPERIENCE

James Strong's career has focused on avoiding, 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/replacement materials, develops details, and prepares reports. Before joining WJE in 2000, Mr. Strong was a principal at Testing Engineers, Inc. (TEI). During his nineteen years at TEI, he provided building enclosure consulting, managed the roofing department, and was 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
- EPA 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