



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, past chair of subcommittees
- International Concrete Repair Institute (ICRI), past chapter board member
- Westcon, past president

TECHNICAL COMMITTEES

- ASTM C24 - Building Seals and Sealants
- ASTM D08 - Roofing and Waterproofing

CONTACT

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EXPERIENCE

James Strong's career has focused on avoiding, investigating, and solving water-intrusion problems. He contributes his expertise 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. Prior to joining WJE in 2000, Mr. Strong was a principal at Testing Engineers, Inc. for nineteen years. He managed the roofing inspection and laboratory departments and provided building enclosure consulting along with his companywide management responsibilities.

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