



EDUCATION

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

PRACTICE AREAS

- Roofing and Waterproofing
- Facade Assessment
- Disaster Response
- Litigation Consulting
- Construction Claims Investigation
- Historic Preservation
- Peer Review
- Condensation and Water Entry Studies

PROFESSIONAL AFFILIATIONS

- ASTM International, Fellow
- International Concrete Repair Institute (ICRI)
- RCI, Inc.
- Westcon

TECHNICAL COMMITTEES

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

CONTACT

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EXPERIENCE

James Strong's career focuses on water leakage in building enclosures. For more than thirty years, he has been solving moisture intrusion problems, developing more effective designs, observing installation, and testing construction assemblies and materials.

Prior to joining WJE in 2000, Mr. Strong was a principal at Testing Engineers, Inc. (TEI), a firm in Northern California that provided construction inspection, testing, and consulting. In addition to his eventual company-wide responsibilities at TEI, for nineteen years his technical work focused on roofing and waterproofing.

REPRESENTATIVE PROJECTS

Roofing and Waterproofing

- Hilton Waikiki Beach Hotel - Honolulu, HI: Design of extensive renovation of roofing
- Medical Laboratory Berkeley - CA: Design of reroofing and recladding for renovation of pre-engineered steel building
- Andersen Air Force Base BX - Guam: Investigation of membrane splitting on concrete roof deck
- One Market Plaza - San Francisco, CA: Design of waterproofing for plaza renovation

Facade Assessment

- Alameda County Medical Center - Oakland, CA: Investigation of leakage in new construction and design of repairs for stucco and windows
- Cathedral of Christ the Light - Oakland, CA: Investigation of leakage at concrete walls and designed repairs
- South County Housing - Gilroy, CA: Investigated leakage at residence walls and consulted with builder on repairs

Disaster Response

- Ernest N. Morial Convention Center - New Orleans, LA: Investigation of hurricane damage to roofing and exterior walls
- Louisiana Superdome - New Orleans, LA: Investigation of hurricane damage to roofing
- Mauna Kea Beach Hotel - Kohala Coast, HI: Investigation of claims of earthquake damage to roofing

Litigation Consulting

- Shopping Center - West Hollywood, CA: Investigation of failure of below-grade and plaza waterproofing, drainage systems, and exterior wall systems
- Horizon and MontBleu Casino Resort Hotels - South Lake Tahoe, NV: Investigation of condition, performance, and maintenance history of wall cladding and windows; expert testimony
- UCSF Residence Apartment Building - San Francisco, CA: Investigation of roof leakage
- Reno Community Assistance Center- Reno, NV: Investigation of problems related to exterior resilient playground pavers
- Maxwell USD - Maxwell, CA: Investigated leakage at school roofs
- Florida Street Condominium - San Francisco, CA: Investigation of leakage and designed repairs

Construction Claims Investigation

- Kaiser Hospital - Vallejo, CA: Investigation of claims regarding leakage at roof under construction

Historic Preservation

- Grace Cathedral - San Francisco, CA: Owner's representative for reroofing and architectural concrete repairs; design of repairs for faceted stained glass windows

Peer Review

- Philadelphia Museum of Art - Philadelphia, PA: Review of schematic and design drawings for selection and detailing of waterproofing materials

Condensation and Water Entry Studies

- Best Buy - Dublin, CA: Investigation of moisture-related carpeting problems
- Millennium High School - Watsonville, CA: Investigation of condensation during construction with full-scale testing