



PERSONNEL QUALIFICATIONS

Paul E. Cox | Associate Principal



EDUCATION

- San Francisco State University
 - Bachelor of Science, Civil Engineering, 1985

PRACTICE AREAS

- Concrete Deterioration
- Construction Claims Investigation
- Historic Preservation
- Repair and Rehabilitation Design
- Seismic Damage Assessment
- Structural Investigation

REGISTRATIONS

- Civil Engineer in CA

PROFESSIONAL AFFILIATIONS

- American Architectural Manufacturers Association
- American Concrete Institute
- ASTM International
- American Society of Civil Engineers
- International Concrete Repair Institute
- Structural Engineers Association of California

CONTACT

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EXPERIENCE

Since joining WJE in 1985, Paul Cox has investigated hundreds of structures with design, construction, and materials defects. Mr. Cox has investigated structural and nonstructural damage due to fire, water, or thermal stresses and has evaluated damage due to excessive loading such as wind, earthquake, water ponding, and explosion. His experience includes the evaluation and design of repairs for timber, concrete, masonry, and steel buildings of all sizes, with particular expertise in building envelopes. Mr. Cox also has extensive experience in evaluating and restoring historic structures and has performed standard and nonstandard testing of materials. He has also often been an expert witness in litigation involving structural and building envelope issues.

REPRESENTATIVE PROJECTS

Concrete Deterioration

- Golden Gateway Center - San Francisco, CA: Investigation and repair design of four twenty-five-story concrete facade apartments
- Palo Alto Office Center - Palo Alto, CA: Investigation and repair design of seventeen-story concrete facade

Construction Claims Investigation

- Harbor Lofts - San Francisco, CA: Investigation and repair design of facade for forty-six-unit brick, steel, and EIFS condominium project

Historic Preservation

- Alcazar Theater - San Francisco, CA: Investigation, repair and preservation design, and seismic stabilization for historic terra cotta facade
- Hebern Building - Oakland, CA: Investigation, repair and preservation design, and seismic stabilization for historic terra cotta facade

Seismic Damage Assessment

- Harmon Business Park - Northridge, CA: Seismic damage assessment of 1.4-million-square-foot manufacturing and office campus with five tilt-up or cast-in-place concrete buildings

Structural Investigation

- Morgan Hill Water Tank - Morgan Hill, CA: Investigation and repair design of underdesigned 1.2-million-gallon concrete water storage tank
- 24-Hour Nautilus - San Jose, CA: Cause and origin investigation of collapsed wood truss roof
- Los Gatos Auto Row - Los Gatos, CA: Safety evaluation and shoring design of explosion-damaged building
- Grace Cathedral Carillon - San Francisco, CA: Evaluation and repair design of corroded carillon structural steel frame

TECHNICAL COMMITTEES

- ASTM D07 - Wood
- ASTM E06 - Performance of Buildings