



PERSONNEL QUALIFICATIONS

Paul A. Kovach | Associate Principal



EDUCATION

- California Polytechnic State University, San Luis Obispo
 - Bachelor of Science, Architectural Engineering, 1997
- San Jose State University
 - Master of Science, Engineering, 2002

PRACTICE AREAS

- Litigation Consulting
- Repair and Rehabilitation Design
- Facade Assessment
- Roofing and Waterproofing
- Materials Evaluation and Research
- Disaster Response
- Leakage Investigation
- Structural Evaluation

REGISTRATIONS

- Professional Engineer (Civil) in CA and NV
- Professional Engineer in DE, MD, NY, and PA

TECHNICAL COMMITTEES

- ASTM D08 - Roofing and Waterproofing
- ASTM E06 - Performance of Buildings
- ASTM E06.55 - Performance of Building Enclosures

CONTACT

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EXPERIENCE

Since joining WJE in 1997, Paul Kovach has been involved in both the structural and architectural evaluation and repair of buildings. His broad-based experience includes investigation and field testing, repair design, and construction administration.

Mr. Kovach's engineering experience includes structural and seismic analyses and evaluations of wood, steel, masonry, and concrete structures. He has conducted post-earthquake evaluations, post disaster investigations, site inspections, structural analysis, repair and retrofit design, construction defect investigations, failure and collapse investigations, and construction administration for numerous residential and commercial developments.

Mr. Kovach's architectural experience includes evaluation and repair of exterior building envelopes. He has provided roofing, building facade, and waterproofing consulting services as well as evaluation and repair design of damaged and deteriorated concrete, brick, stone, EIFS, cement plaster, metal, and cast stone building facades. Much of this work has included repair design and construction observation services.

REPRESENTATIVE PROJECTS

Litigation Consulting

- Pulte Homes - Northern CA: Structural consultant for numerous housing development litigation cases involving hundreds of homes
- Horizon Casino Resort - Stateline, NV: Structural and building envelope consulting
- Timberlake Village - Oakland, MD: Construction claim evaluation
- Cedar Creek - McHenry, MD: Construction claim evaluation

Repair and Rehabilitation Design

- Alcatraz Cell House - San Francisco, CA: Investigation and seismic stabilization design
- Rolling Hills - Fairfield, CA: Stucco and storefront replacement
- Placer Center for Health - Rocklin, CA: Stucco and stone veneer replacement

Facade Assessment

- Academy House - Philadelphia, PA: Plaza, planter, reflecting pool, and fountain assessment
- 293 Locust Street - Philadelphia, PA: Thermal and vapor migration evaluation
- Chapa-De Indian Health program - Auburn, CA: Building envelope evaluation
- UC Davis Medical - Sacramento, CA: Curtain wall leakage investigation

Roofing and Waterproofing

- California State Capitol - Sacramento: Roof replacement repair design and construction observation
- Church of Scientology - Sacramento, CA: Below-grade waterproofing evaluation and repair design
- Placer County Water Agency, Multiple Facilities - CA: Condition assessment and repair design of roofing systems

Materials Evaluation and Research

- Ortlieb Bottling House - Philadelphia, PA: Roof deck panel saturation/drying review
- Hippodrome - New York, NY: Glass adhesion failure investigation
- Christiana Mall - Newark, DE: Cast-stone veneer adhesion failure investigation
- Tahoe Keys - South Lake Tahoe, CA: Roofing membrane chemical deterioration
- South Placer Correctional Facility - Roseville, CA: Chloride contamination assessment

Disaster Response

- I-5 Tunnel Fire - Newhall, CA: Concrete distress evaluation
- Tropical Storm Sandy - PA, NJ, and NY: Numerous post-storm damage investigations

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers
- ASTM International
- Delaware Valley Association of Structural Engineers
- National Roofing Contractors Association