

### Paul A. Kovach | Associate Principal



#### EDUCATION

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

#### PRACTICE AREAS

- EIFS, Stucco, Plaster
- Litigation Consulting
- Facade Assessment
- Roofing and Waterproofing
- Design-Assist
- Peer Review
- Repair and Rehabilitation Design
- Materials Evaluation and Research
- Disaster Response

#### REGISTRATIONS

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

#### TECHNICAL COMMITTEES

- ASTM C11 - Gypsum and Related Building Materials and Systems
- ASTM D08 - Roofing and Waterproofing
- ASTM E06.55 - Performance of Building Enclosures

#### CONTACT

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#### EXPERIENCE

Since joining WJE in 1997, Paul Kovach has been involved in 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. He has conducted post-earthquake and post-disaster investigations, site inspections, structural analysis, repair and retrofit design, construction defect investigations, and failure and collapse investigations for numerous residential and commercial developments.

Mr. Kovach's architectural experience includes evaluation and design of exterior building enclosures. He has provided consulting services as well as evaluation and repair design of damaged and deteriorated concrete, brick, natural stone, cement plaster, EIFS, metal, fiber cement, wood, and cast stone building claddings. Mr. Kovach's enclosure work also includes air, vapor, water, and thermal barriers for both vertical (above- and below-grade walls) and horizontal (roof, terrace, and balcony) assemblies. Much of this work has included new or remedial design and construction observation services.

#### REPRESENTATIVE PROJECTS

##### EIFS, Stucco, Plaster

- Toll Brothers - Southeast PA: Stucco evaluations for numerous single and multifamily housing development projects
- King of Prussia Mall - King of Prussia, PA: EIFS and EIFS panel modeling, design, and construction services
- Ships Cove - Fall River, MA: EIFS repair design assistance and construction services

##### Litigation Consulting

- Vertical Screen - Warminster, PA: Structural insulated panel and enclosure claim evaluation
- Huntingdon Place - Huntingdon Valley, PA: Structural and building enclosure consulting
- Pulte Homes - Northern CA: Structural consulting for numerous housing development litigation cases

#### Facade Assessment

- Academy House - Philadelphia, PA: Plaza, planter, reflecting pool, and fountain assessment
- Naval Square - Philadelphia, PA: Stucco, roofing, window, and balcony assessment
- Bayside Condominiums - Selbyville MD: Building enclosure assessment, repair design, and construction support

#### Design-Assist/Peer Review

- Shops at Riverside - Hackensack, NJ: Enclosure design assistance and construction quality control observation
- Maris Grove - Glen Mills, PA: Enclosure construction quality control observation
- 20th CBRNE Facility, Aberdeen Proving Grounds - MD: Roof and wall air barrier design and construction review

#### Roofing and Waterproofing

- Wilbur Chocolate Factory - Lititz, PA: Below-grade waterproofing evaluation and repair design
- 500 Walnut, Philadelphia - PA: Roofing and terrace systems construction observation and quality control
- California State Capitol - Sacramento: Roof replacement repair design and construction observation

#### Materials Evaluation and Research

- Ortlieb Bottling House - Philadelphia, PA: Roof deck panel saturation/drying review
- Hippodrome - New York, NY: Glass adhesion failure investigation
- South Placer Correctional Facility - Roseville, CA: Chloride contamination assessment

#### Disaster Response

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

#### PROFESSIONAL AFFILIATIONS

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