



EDUCATION

- The Pennsylvania State University
 - Bachelor of Architectural Engineering, 2008
 - Master of Architectural Engineering, 2008

PRACTICE AREAS

- Structural Evaluation
- Peer Review
- Condensation and Water Entry Studies
- Facade Assessment
- Roofing and Waterproofing
- Repair and Rehabilitation Design

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers
- RCI, Inc.
- Sealant, Waterproofing and Restoration Institute

CONTACT

dfinley@wje.com
216.642.2300
www.wje.com

EXPERIENCE

David Finley is involved in a wide range of numerous structural and architectural investigations. His building envelope experience includes water infiltration testing of windows, curtain walls, masonry facades, and plaza and below-grade waterproofing as well as condensation and air leakage testing of glazed fenestrations and masonry facades. Mr. Finley's structural investigations have included concrete, masonry, steel, and wood structures.

Mr. Finley has also assessed heaving of concrete slabs-on-grade caused by the use of expansive fill material as well as a proprietary prefabricated concrete block floor slab system (Dox Plank) that is most commonly found in the mid-Atlantic region. In addition to investigations, Mr. Finley has prepared repair documents, performed peer reviews, and performed construction observation of new and repair construction.

REPRESENTATIVE PROJECTS

Structural Evaluation

- Forest Resources Building - University Park, PA: Investigation of slab-on-grade heaving due to expansive aggregate fill
- Horace Mann Elementary School - Indiana, PA: Assessment of excessive deflection and visual grading of historic wood framing

Peer Review of Building Envelopes

- Akron Public Schools - Akron, OH: Peer review of multiple school additions and new school facilities
- Mercy Hospital West - Dayton, OH

Condensation and Water Entry Studies

- Kohl Building - Oberlin, OH: Investigation of air leakage and condensation due to vapor diffusion
- First Energy Complex - Akron, OH: Investigation of condensation with the exterior wall cavity
- Stone Oak Medical Center - San Antonio, TX: Investigation of water infiltration through curtain walls and masonry facade

Facade Assessment

- Graves Hall - Columbus, OH: Assessment of brick masonry cladding distress
- North High Street Office Complex - Columbus, OH: Assessment of limestone and granite cladding

Roofing and Waterproofing

- Lindner Hall - Cincinnati, OH: Investigation of water infiltration through plaza waterproofing
- Saint Sava Church - Cleveland, OH: Assessment and investigation of water infiltration through stainless steel standing seam roofing

Repair and Rehabilitation Design

- Beaver Stadium - University Park, PA: Sealant, waterproofing, and embedded railing grout repair
- Church of the Savior - Cleveland, OH: Built-in copper gutter design and granite masonry repairs