



## PERSONNEL QUALIFICATIONS

### David S. Patterson | Senior Principal



#### EDUCATION

- Algonquin College
  - Architectural Technology, 1974

#### PRACTICE AREAS

- Facade Assessment
- Peer Review
- Historic Preservation
- Leakage Investigation
- Masonry Structures
- Repair and Rehabilitation Design
- Roofing and Waterproofing
- Windows and Curtain Walls

#### REGISTRATIONS

- Architect in FL, MA, MS, NJ, and PA
- National Council of Architectural Registration Boards (NCARB)

#### PROFESSIONAL AFFILIATIONS

- American Architectural Manufacturers Association
- American Institute of Architects
- Association for Preservation Technology International
- ASTM International
- New Jersey Society of Architects

#### CONTACT

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#### EXPERIENCE

David Patterson is an architect specializing in the investigation and repair of building envelopes. Since joining WJE, he has been involved in more than one thousand assignments involving curtain walls, windows, brick, stone, terra cotta, concrete, and roofing and waterproofing systems. He has directed numerous envelope-related failure investigations, facade repair and recladding projects, and roofing repair and replacement projects. Mr. Patterson has also performed peer reviews of design and construction documents for noted architectural and construction firms and building owners. He also consults regularly on the preservation of historic buildings and structures. Mr. Patterson is widely published on the subject of building envelope failures and other related topics and has co-authored a chapter on the building envelope in the *Forensic Structural Engineering Handbook*.

Prior to joining WJE, Mr. Patterson was partner with the design firm of Cooke Douglass Farr, Ltd., where his architectural design work received recognition from state and international organizations.

#### REPRESENTATIVE PROJECTS

- Bailey School - Jackson, MS: Replacement of existing replacement windows to match historic original windows; concrete repair consulting
- Lafayette and English Schools - Everett, MA: Investigation and recladding and repair design
- Buffalo and Erie County Conservatory - Buffalo, NY: Investigation and restoration consulting
- Columbia University - New York, NY: Investigation and repair design for fifty masonry buildings
- Friends School - Philadelphia, PA: Roofing investigation and replacement
- GlaxoSmithKline Elion Hitchings Facility - Research Triangle Park, NC: Recladding investigation
- Lord & Taylor - New York, NY: Window replacement
- PSFS building - Philadelphia, PA: Windows, masonry, and roofing assessment

- Philadelphia Museum of Art - PA: Investigation and preservation repair recommendations
- St. Patrick's Home for the Aged and Infirm - Bronx, NY: Investigation and recladding design
- University of Chicago - IL: Preservation guidelines for modern landmarks
- Willow Grove Mall - Willow Grove, PA: Atrium glazing investigation and repair design
- University of Pennsylvania - Philadelphia: Investigation and exterior cladding repair design
- Lehigh University - Bethlehem, PA: Investigation, testing, and repair design
- Biloxi and Pensacola Lighthouses - Biloxi, MS, and Pensacola, FL: Condition assessment and historic preservation consulting
- Massachusetts Housing Finance Agency, Regency Tower - New Bedford, MA: Exterior envelope condition assessment and repair design
- Turnberry Tower One and Turnberry Tower East - Las Vegas, NV: Curtain wall assessment and repair recommendations for forty-five-story residential buildings