



## PERSONNEL QUALIFICATIONS

### Jeffrey N. Sutterlin | Senior Associate



#### EDUCATION

- Pennsylvania State University
  - Bachelor of Architectural Engineering, Structural Option, 2006
  - Master of Architectural Engineering, Structural Option, 2006

#### PRACTICE AREAS

- Structural Evaluation
- Facade Assessment
- Repair and Rehabilitation Design
- Water Penetration Testing
- Construction Observation Services
- Masonry Structures
- Structural Analysis/Computer Modeling

#### REGISTRATIONS

- Professional Engineer in PA

#### PROFESSIONAL AFFILIATIONS

- American Institute of Steel Construction (AISC)

#### CONTACT

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#### EXPERIENCE

Since joining WJE in 2007, Jeffrey Sutterlin has been involved with numerous projects related to both structural engineering and building enclosures. His typical responsibilities as a project associate have included the investigation and analysis of existing structures; facade assessments; development of repair and rehabilitation documents; water penetration testing; and report writing. He has performed a variety of analyses on steel, concrete, masonry, light-gauge metal, wood, curtain walls, and facade attachments.

While attending the Pennsylvania State University, Mr. Sutterlin completed a comprehensive building systems thesis involving the hypothetical redesign of a healthcare facility in Somerset County, New Jersey. The thesis proposed constructing a new four-story outpatient addition above an existing structure rather than at grade level and involved an in-depth structural analysis and cost comparison of the alternative design.

#### REPRESENTATIVE PROJECTS

##### Structural Evaluation

- ISP Building No. 8 - Wayne, NJ: Investigation of steel connections at precast spandrel beams and refinement of existing repair documents
- Mt. Vernon Elementary School - Irvington, NJ: Analysis of existing composite steel beams
- Pier House - Jersey City, NJ: Investigation and analysis of distressed plate-connected wood trusses
- Monmouth Park Corporate Center One - Oceanport, NJ: Analysis of built-up steel framing and roof purlins

##### Facade Assessment

- Robert E. Lee Building - Jackson, MS: Condition assessment of exterior envelope and selected interior spaces of the historic building
- Architect's Building - Philadelphia, PA: Condition assessment and water testing of masonry and terra cotta facade
- Merck Building 26C - West Point, PA: Condition assessment and wall stabilization recommendations of existing thin-brick veneer system
- View on the Park - East Orange, NJ: Prepurchase evaluation of the brick masonry cladding and window systems

##### Repair and Rehabilitation Design

- Bayhealth Medical Center - Dover, DE: Leakage investigation and development of flashing repairs
- 19-25 2nd Street Parking Garage - Philadelphia, PA: Shoring and repair design of corroded steel framing
- Spelman College - Atlanta, GA: Facade assessment and development of wall flashing repair documents

##### Water Penetration Testing

- 1100 Campus Building - Plainsboro, NJ: Water leakage investigation of curtain wall and metal panel facade
- Steinberg Center - Philadelphia, PA: Water leakage investigation and development of new vapor barrier and flashing details
- Kutztown University - Kutztown, PA: Water leakage investigation of masonry facade and roof system
- A&P Lofts - Atlanta, GA: Flood testing to determine integrity of existing roofing membrane