PERSONNEL QUALIFICATIONS

Jeffrey N. Sutterlin | Associate Principal and Unit Manager

EDUCATION

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

PRACTICE AREAS

- Building Enclosure Consulting
- Building Science
- Construction Troubleshooting
- Facade Assessment
- Peer Review
- Water/Air Leakage Assessment
- Repair and Rehabilitation Design
- Windows/Curtain Walls/Skylights

REGISTRATIONS

- Professional Engineer in PA

PROFESSIONAL AFFILIATIONS

- American Institute of Steel Construction
- American Society of Civil Engineers
- American Society of Civil Engineers - Architectural Engineering Institute
- Building Enclosure Council

CONTACT

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EXPERIENCE

Jeffrey Sutterlin specializes in the design, investigation, testing, and repair of building enclosures. Mr. Sutterlin's expertise includes the evaluation of new and existing building enclosures with respect to their control of and response to interior and exterior environments, including air, moisture, thermal, and structural loadings generated by those environments and from within the enclosure.

Mr. Sutterlin has experience with the assessment of masonry, concrete, terra cotta, stucco, limestone, EIFS, metal and HPL panel, glass facades, and roofing. His project work has included design assistance, peer review services, development of QA/QC protocol, observation and troubleshooting of performance mock-ups, shop fabrication and construction, water leakage investigation, field performance verification testing, facade assessment, and repair and rehabilitation design for various building types and enclosure systems. Mr. Sutterlin has also coauthored multiple columns in *The Construction Specifier* magazine about building enclosure performance.

REPRESENTATIVE PROJECTS

Building Enclosure Consulting

- Bayhealth Milford - Milford, DE: Peer review and design assistance of building enclosure for replacement hospital
- Bristol-Myers Squibb Princeton Pike Campus - Lawrenceville, NJ: Peer review and assistance of stick-built and unitized curtain wall system design, testing, shop fabrication, and installation for new office complex
- Children's Hospital of Philadelphia, Schuylkill Avenue Research Building - Philadelphia, PA: Peer review and assistance services of custom unitized curtain wall design, shop fabrication, and installation for research laboratory facility
- Comcast - Philadelphia, PA: Peer review of custom unitized curtain system; laboratory and field performance verification testing for commercial tower
- Reading Hospital - Reading, PA: Peer review and assistance services of building enclosure design; performance testing, and construction period services

Facade Assessment

- Architect's Building - Philadelphia, PA: Condition assessment and in situ water penetration testing of brick masonry and terra cotta exterior wall assemblies
- Jackson State University, Administration Building - MS: Condition assessment and testing of brick masonry, APC panels, and punched window systems
- Robert E. Lee Building - Jackson, MS: Condition assessment and in situ testing of brick masonry and terra cotta cladding for historic building
- University Medical Center of Princeton at Plainsboro - Plainsboro, NJ: Assessment of blast-related damage to curtain wall system

Water/Air Leakage Assessment

- Temple University, Morgan Hall Student Residence - Philadelphia, PA: Water leakage investigation of unitized curtain wall system; development of in situ repair design
- Penn Presbyterian Medical Center - Philadelphia, PA: Water leakage investigation of green roof assembly above trauma center
- University of Pennsylvania, Steinberg Conference Center - Philadelphia: Water leakage investigation of brick-clad exterior wall assembly
- The Barnes Foundation - Philadelphia, PA: Condensation investigation and air barrier assessment within unconditioned attic space of art gallery

Repair and Rehabilitation Design

- Abington Memorial Hospital - Abington, PA: Condensation investigation and repair design of curtain wall and APC wall assembly
- Willow Grove Mall - Abington, PA: Water leakage investigation and in situ repair design of existing skylight system
- Bucks Physical Therapy - Richboro, PA: Water leakage and condensation investigation of natatorium; development of repair design of window and exterior wall assemblies
- The Hill at Whitemarsh - Lafayette Hill, PA: Water leakage investigation and repair design of stucco-clad exterior wall assembly