PERSONNEL QUALIFICATIONS

Sarah Sinusas | Associate Principal and Associate Executive Director of Practice Development

EDUCATION

- University of Virginia
  - Bachelor of Science, Civil Engineering, 2008

PRACTICE AREAS

- Building Enclosure Consulting
- Windows and Curtain Walls
- Repair and Rehabilitation Design
- Condition Assessment
- Construction Administration
- Leakage Investigation
- Peer Review
- Building Enclosure Commissioning

REGISTRATIONS

- Accredited Building Enclosure Commissioning Process Provider (BECxP)
- Accredited Commissioning Authority + Building Enclosure (CxA+BE)
- Professional Engineer in CA and CT
- Society of Professional Rope Access Technicians (SPRAT) - Level 1

CONTACT

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EXPERIENCE

Sarah Sinusas has specialized in building envelope systems since 2008. She has participated in and led numerous projects, including facade and curtain wall evaluations, water leakage investigations, and repairs to existing structures.

Ms. Sinusas has gained expertise in the evaluation and repair of many types of building enclosure systems, including masonry, concrete, EIFS, and glass facades. She specializes in the evaluation and investigation of curtain wall and window assemblies and has led and participated in projects that include in situ field testing and monitoring of various cladding and glazing systems. Ms. Sinusas's work has included peer reviews of architectural and envelope shop drawings; thermal modeling of curtain wall and wall assemblies; and investigations, field observations, commissioning, and construction monitoring for new construction and repairs to existing structures.

REPRESENTATIVE PROJECTS

Building Enclosure Consulting

- Seaport Block L4 - Boston, MA: Building enclosure consultant during design and construction of eighteen-story office building with custom unitized curtain wall and intersecting triangular terraces
- Vassar Brothers Medical Center - Poughkeepsie, NY: Building enclosure consultant during preconstruction and construction of new 750,000-square-foot hospital addition
- University of Chicago Arts Hall - IL: Peer review and construction observations of point-supported curtain wall, single-ply roofing, and limestone and metal panel rain screen systems
- University of Iowa Children's Hospital - Iowa City: Building enclosure commissioning of Norman Foster-designed exterior envelope with custom unitized curtain wall
- Yale University, Adams Center for Musical Arts - New Haven, CT: Shop drawing review, construction observations, and architectural testing of curtain wall and air barrier systems
- Yale University, New Residence College - New Haven, CT: Construction observations and on-site performance testing of air barrier, masonry veneer wall system, and steel window assemblies

Windows and Curtain Walls

- Yale University Art Gallery - New Haven, CT: In situ hygrothermal monitoring of exterior enclosure to evaluate condensation potential at curtain wall and exterior walls
- High-End Residence - Bedford, NY: Assessment of visual anomalies and deflection of heat mirror glass
- New York Life Building - New York, NY: In situ and computer thermal modeling of historic bronze window system
- Solomon R. Guggenheim Museum - New York, NY: Analysis of art glass installation in existing window assembly
- Hartford Insurance Group Tower - Hartford, CT: Evaluation, detailing, and specification of curtain wall restoration, including vacuum insulating glass and thermal improvements

Repair and Rehabilitation Design

- Coleytown Middle School - Westport, CT: Design of complete facade overclad, replacement of fenestration, and new roof
- Chesapeake Energy Corporation, Building One - Oklahoma City, OK: Repairs to stick-built curtain wall and plaza waterproofing
- Myrtue Wellness Center - Harlan, IA: Thermal analysis and repairs to address condensation in exterior walls
- 950 North Michigan Avenue - Chicago, IL: Investigation of glass breakage and repair of glass canopy at high-rise condominium

Condition Assessment

- Millennium Park, Crown Fountain - Chicago, IL: Investigation and evaluation of damaged glass brick at glass-clad sculpture
- International Hotel Chain - U.S. and Canada: Safety evaluation of architectural glass at one hundred hotel properties