



PERSONNEL QUALIFICATIONS

Douglas R. Stieve | Senior Principal



EDUCATION

- University of Oklahoma
 - Bachelor of Architecture, 1989

PRACTICE AREAS

- Building Envelope Assessment and Consulting
- Vegetative Roofs
- Leakage Investigation
- Masonry Assessment
- Plazas and Terraces
- Repair and Rehabilitation Design
- Roofing
- Subgrade Waterproofing
- New Construction Consulting

REGISTRATIONS

- Architect in CT, DE, FL, MA, MN, NC, NJ, NY, and PA
- Green Roof Professional
- National Council of Architectural Registration Boards Certificate
- Registered Roof Consultant

PROFESSIONAL AFFILIATIONS

- American Institute of Architects (AIA)
- ASTM International (ASTM)
- Deep Foundations Institute (DFI)
- Green Roofs for Healthy Cities (GRHC)
- International Institute of Building Enclosure Consultants (F-IIBEC), Jury of Fellows

CONTACT

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EXPERIENCE

Douglas Stieve is a building envelope consultant who specializes in the design, construction, and investigation of roofing and waterproofing, as well as masonry construction. Since joining WJE in 1991, he has provided professional services for more than ten thousand buildings and structures. Mr. Stieve applies his expertise to various building materials and systems that include low- and steep-slope roofing, plaza decks, vegetative roof, and subgrade waterproofing. He also has extensive experience with masonry, curtain walls, natural stone, and exterior insulation and finish systems.

Mr. Stieve has managed the design and construction services for several multimillion-dollar repair and rehabilitation projects, and he has provided consulting services to architects, contractors, and owners for new buildings. His work includes some of the largest and most complicated waterproofing projects in the New York metropolitan area. He has also designed the waterproofing systems for both the tallest outdoor observation deck and the largest man-made water feature in the Western Hemisphere.

Mr. Stieve has worked on projects that have won awards at the national, state, and local levels from various organizations, including the American Institute of Architects, *Engineering News-Record*, and the National Trust for Historic Preservation. He has authored several articles and technical papers and has lectured throughout the United States about roofing, waterproofing, and masonry construction. Mr. Stieve also serves as an expert witness and assists in the resolution of construction-related disputes within his areas of expertise.

REPRESENTATIVE PROJECTS

Building Envelope Assessment

- Lincoln Center - New York, NY: Travertine investigation at various buildings
- South Ferry Subway Terminal - New York, NY: Dispute resolution assistance related to water infiltration at station and running tunnels
- Eastside Access - New York, NY: Investigation of water infiltration at ventilation plant and running tunnels

- Walker Art Center - Minneapolis, MN: Investigation of water infiltration and condensation at rooftop terraces
- Brickell City Center - Miami, FL: Investigation of subgrade water infiltration into basement traversing three full city blocks

Repair and Rehabilitation Design

- Spring Creek Towers - Brooklyn, NY: Roof asset management and repair design for forty-six residential towers
- Four Seasons Hotel - New York, NY: Curtain wall consulting during renovation of upper floors
- Northwell Health - Long Island, NY: Repair and replacement design for numerous roofs, facades, and windows at various locations
- Custom House - Boston, MA: Stone repairs, new terrace waterproofing, and window rehabilitation
- Unilever Building - Englewood Cliffs, NJ: Roof replacement and conversion to extensive vegetative roof

New Construction Consulting

- 9/11 Memorial and Museum - New York, NY: Waterproofing design for plaza, pools, and slurry wall
- Hudson Yards - New York, NY: Roof and waterproofing design and consulting for various buildings
- Obama Presidential Center - Chicago, IL: Roof, waterproofing, and facade design
- The Lodge at Spruce Peak - Stowe, VT: Roofing, snow, and ice protection design
- Perelman Performing Arts Center - New York, NY: Waterproofing design for blue roof and plaza waterproofing
- Gateway Phase II Hudson Rail Yards Tunnel - New York, NY: Waterproofing consulting

TECHNICAL COMMITTEES

- ASTM C15 - Manufactured Masonry Units, Executive Committee
- ASTM C15.05 - Masonry Assemblies, chair
- ASTM D08 - Roofing Membrane Systems
- DFI - Tunneling and Underground Committee
- IIBEC - Technical Advisory Committee, past chair
- IIBEC - Codes and Standards Committee
- New York City Department of Buildings Construction Requirements and Materials Committee, past vice chair