



PERSONNEL QUALIFICATIONS

Douglas R. Stieve | Senior Principal



EDUCATION

- University of Oklahoma
 - Bachelor of Architecture, Architecture, 1989, cum laude

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, NC, NJ, NY, and PA
- Green Roof Professional
- National Council of Architectural Registration Boards Certificate
- Registered Roof Consultant

PROFESSIONAL AFFILIATIONS

- American Institute of Architects
- ASTM International
- Deep Foundations Institute
- Green Roofs for Healthy Cities
- International Institute of Building Enclosure Consultants

CONTACT

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EXPERIENCE

Douglas Stieve is a building envelope consultant with a specialization in roof and waterproofing consulting, as well as masonry construction. Since joining WJE in 1991, he has provided professional services for over eight hundred buildings and other structures.

Mr. Stieve applies his expertise to many types of materials, including low-and steep-slope roofing as well as plaza deck, vegetative roof, and subgrade waterproofing systems. He also has experience with masonry, glazed curtain walls, natural stone, and exterior insulation and finish systems.

Mr. Stieve has managed the design and construction period services for several multimillion-dollar repair and rehabilitation projects, as well as 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.

Projects that Mr. Stieve has been involved with 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 also authored several articles and technical papers, and he has lectured throughout the United States about roofing, waterproofing, and masonry construction.

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
- 100th Street Bus Depot - New York, NY: Investigation of masonry veneer collapse
- Walker Art Center - Minneapolis, MN: Investigation of water infiltration and condensation at rooftop terraces

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 - Various Locations, Long Island, NY: Repair and replacement design for numerous roofs, facades, and windows
- 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

- World Trade Center 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
- U.S. Embassy - Mexico City, Mexico: Roof and waterproofing design for roofs and plaza
- U.S. Embassy - Delhi, India: Roof, waterproofing, and facade consulting
- Stowe Mountain Lodge - VT: Roofing and snow and ice protection design
- Thompson LES Hotel - New York, NY: Building envelope consulting for glazed window walls and rain screen cladding

TECHNICAL COMMITTEES

- ASTM C12 - Mortars and Grouts for Masonry
- ASTM C15 - Manufactured Masonry Units, Executive Committee
- ASTM D08 - Roofing Membrane Systems
- DFI - Tunneling and Underground Committee
- IIBEC (formerly RCI) - Technical Advisory Committee, chair
- New York City Department of Buildings - Construction Requirements and Materials Committee, vice chair