



PERSONNEL QUALIFICATIONS

Sarah K. Van Domelen | Senior Associate



EDUCATION

- Michigan State University
 - Bachelor of Science, Civil Engineering, 2007
- University of Pennsylvania
 - Master of Science, Historic Preservation, 2009

PRACTICE AREAS

- Historic Preservation
- Facade Assessment
- Repair and Rehabilitation
- Masonry Restoration
- Window Restoration
- Roofing and Waterproofing
- Water/Air Leakage Assessment
- Structural Analysis

REGISTRATIONS

- Professional Engineer in NY

PROFESSIONAL AFFILIATIONS

- Association for Preservation Technology International
- Association for Preservation Technology - Western Great Lakes Chapter
- Landmarks Illinois Skyline Council

CONTACT

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EXPERIENCE

Since joining WJE in 2010, Sarah Van Domelen has worked on a variety of projects involving historic and contemporary buildings. She has completed numerous field investigations, including facade inspections, condition surveys, water leakage testing, and structural investigations. Ms. Van Domelen has also made repair recommendations and developed restoration details for various types of construction, including steel, reinforced concrete, and masonry structures. She has extensive experience with historic building components including brick, stone, and terra cotta masonry; wood and metal windows and curtain walls; and slate, sheet metal, and built-up roofing systems.

While attending the University of Pennsylvania, Ms. Van Domelen was a teaching assistant for the Architectural Conservation Laboratory and authored a thesis entitled "The Choice Is Yours: Considerations and Methods for the Evaluation and Selection of Substitute Materials for Historic Preservation."

REPRESENTATIVE PROJECTS

Historic Preservation

- American Museum of Natural History - New York, NY: Restoration of the oldest section of the landmark museum, including brick and granite masonry repairs, tricolored slate roof repairs, and wood window restoration
- New York Life Building - New York, NY: Restoration of the limestone masonry facade at New York City Landmark building
- New York Public Library - New York, NY: Restoration of the marble facade and monel and built-up roofs at New York City Landmark building
- Duke University Chapel - Durham, NC: Limestone masonry repairs and sheet metal roof replacement at historic chapel
- Second Presbyterian Church - Chicago, IL: Limestone and sandstone masonry repairs, slate roof repairs, and wood window restoration at National Landmark church

Facade Assessment

- City Hall - Chicago, IL: Granite and terra cotta masonry facade assessment
- Tribune Tower - Chicago, IL: Limestone masonry facade inspection and repairs
- Bronx Zoo Reptile House - Bronx, NY: Brick, terra cotta, and limestone masonry facade assessment and repair recommendations
- Waldorf Astoria - Chicago, IL: Precast concrete facade assessment and repair recommendations
- Bloomingdale's Medinah Temple Store - Chicago, IL: Brick and terra cotta masonry facade assessment

Repair and Rehabilitation

- Suffolk County Court Complex - Riverhead, NY: Brick, terra cotta, and limestone masonry facade restoration and cleaning; and sheet metal and slate roof replacement at three court buildings
- State Capitol - Oklahoma City, OK: Limestone masonry facade restoration
- Commonwealth Plaza - Chicago, IL: Aluminum-framed curtain wall restoration
- 633 North St. Clair - Chicago, IL: Concrete sidewalk vault repairs, granite paving, and concrete slab-on-ground replacement

Water/Air Leakage Assessment

- Private Residence - Armonk, NY: Water leakage investigation, granite facade repairs and modified bitumen roof replacement
- The Impala Condominium - New York, NY: Water leakage investigation using AAMA 501.2-09 testing method
- Duke University Perkins Library - Durham, NC: Water leakage investigation and masonry building enclosure monitoring

Structural Analysis

- Church of Scientology - Buffalo, NY: Brick arch and steel frame sidewalk vault assessment and repair recommendations
- Artcraft Building - Chicago, IL: Brick and terra cotta facade restoration and associated structural steel repair design
- Major Retail Chain - Nationwide: Weld inspection and repair recommendations for steel joists of large steel frame structures