



PERSONNEL QUALIFICATIONS

Sarah K. Van Domelen | Associate Principal



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

REGISTRATIONS

- Professional Engineer in NY

PROFESSIONAL AFFILIATIONS

- Association for Preservation Technology - Western Great Lakes Chapter, secretary
- Landmarks Illinois, board of directors

CONTACT

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EXPERIENCE

Since joining WJE in 2010, Sarah Van Domelen has worked on various 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.

REPRESENTATIVE PROJECTS

Historic Preservation

- Second Presbyterian Church - Chicago, IL: Limestone and sandstone masonry repairs, slate roof repairs, wood window restoration, and steel frame design for Tiffany stained glass windows at National Landmark church
- Glessner House - Chicago, IL: Water leakage investigation and targeted masonry, clay tile, and copper roofing and flashing repairs at National Landmark house museum
- KAM Isaiah Israel - Chicago, IL: Brick and limestone masonry facade restoration, parapet reconstruction, clay tile roof repairs, modified bitumen roof replacement, and monumental limestone stair reconstruction at Chicago Landmark synagogue
- 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
- Duke University Chapel - Durham, NC: Limestone masonry repairs and sheet metal roof replacement at historic chapel

Facade Assessment

- Northern Trust Building - Chicago, IL: Granite masonry facade assessment
- Chicago Symphony Orchestra - IL: Brick, limestone, and terra cotta facade assessment

- 900-910 North Lake Shore Drive - Chicago, IL: Aluminum-framed curtain wall coating and sealant study, including field and laboratory testing
- Waldorf Astoria - Chicago, IL: Precast concrete facade assessment
- Bronx Zoo Reptile House - NY: Brick, terra cotta, and limestone masonry facade assessment

Repair and Rehabilitation

- Marquette Building - Chicago, IL: Brick and terra cotta facade restoration and fire escape repairs
- Old Chicago Post Office - IL: Limestone, brick, and terra cotta facade restoration
- Commonwealth Plaza - Chicago, IL: Aluminum-framed curtain wall restoration and exterior plaster soffit replacement
- Racquet Club of Chicago - IL: Rackets court plaster wall replacement
- 2555 North Clark Street - Chicago, IL: Concrete facade repairs and recoating
- Artcraft Building - Chicago, IL: Brick and terra cotta facade restoration, including the use of glass fiber reinforced concrete and fiber reinforced polymer substitute materials
- Suffolk County Court Complex - Riverhead, NY: Brick, terra cotta, and limestone masonry facade restoration and cleaning, and sheet metal and slate roof replacement
- William H. Gray III 30th Street Station - Philadelphia, PA: Limestone and brick facade restoration, window replacement/restoration, and cast iron facade restoration
- Market Ross Place - Dallas, TX: Brick and concrete facade restoration and historic window replacement

Water/Air Leakage Assessment

- School of the Art Institute, 280 South Columbus Building - Chicago, IL: Limestone facade, curtain wall, and stainless steel batten seam roofing water leakage investigation
- Dwight Lofts - Chicago, IL: Water leakage investigation at interface between historic structure and modern addition
- Duke University Perkins Library - Durham, NC: Water leakage investigation and masonry building enclosure monitoring