

Lauren E. Aguilar | Associate III



EDUCATION

- University of California, Berkeley
 - Bachelor of Arts, Architecture 2015
 - Bachelor of Arts, American Studies, 2015
- University of Pennsylvania
 - Master of Architecture, 2019
 - Master of Science, Historic Preservation, 2019

PRACTICE AREAS

- Historic Preservation
- Repair and Rehabilitation
- Facade Assessment
- Windows/Curtain Walls/Skylights
- Roofing and Waterproofing
- Building Enclosure Consulting
- Litigation Consulting

REGISTRATIONS

- FAA Part 107 Certified Remote Pilot

PROFESSIONAL AFFILIATIONS

- American Institute of Architects
- Association of Preservation Technology International
- National Council of Architectural Registration Boards

CONTACT

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EXPERIENCE

Lauren Aguilar specializes in the architectural investigation and design of various exterior building enclosure systems and materials—from historic masonry to contemporary glazing systems. She works on assorted projects to broaden her expertise and skill set, including historic preservation, repair and rehabilitation design, facade condition assessments and investigations, and consulting for new, existing, and historically significant structures.

Ms. Aguilar helps to advance WJE's use of digital photogrammetry in the documentation of existing structures and drawing production. She is proficient in a palette of industry platforms, including BIM, point cloud models, drone photography, CAD/CAM design and fabrication, basic programming, and rendering.

Before WJE, Ms. Aguilar worked for numerous architectural design and preservation design firms. She also served as an architectural consultant on several archeological digs and as a research technician in a cross-disciplinary biomedical research lab at the University of Pennsylvania.

REPRESENTATIVE PROJECTS

Historic Preservation

- Wanamaker Building - Philadelphia, PA: Evaluation and repair documentation related to below-grade water infiltration
- Saint Patrick's Cathedral - New York, NY: Condition assessment and evaluation of water infiltration at rectory
- Hispanic Society Museum and Library - New York, NY: Renovation architectural design of terra cotta building interior *
- Joseph F. Weis, Jr. US Courthouse - Pittsburgh, PA: Adaptive reuse architectural design of post office space at National Register-listed courthouse *
- Thorsen House - Berkeley, CA: Restoration design of clinker brick and redwood site walls at National Register-listed arts and crafts bungalow *

Repair and Rehabilitation

- Cornell University, Johnson Museum of Art - Ithaca, NY: Condition assessment
- Walnut Park Plaza - Philadelphia, PA: Inspection and restoration of the National Register-listed brick and cast stone facade

Facade Assessment

- Comcast Center - Philadelphia, PA: Facade assessment in compliance with the City of Philadelphia facade ordinance
- Bancroft Hall, US Naval Academy - Annapolis, MD: Condition assessment of historic granite facade
- Saint Patrick's Cathedral - New York, NY: Condition assessment and evaluation of water infiltration at rectory
- Fairleigh Dickinson University, Hennessy Hall - Madison, NJ: Condition assessment and documentation of masonry facade and site elements *

Windows/Curtain Walls/Skylights

- Philadelphia International Airport - PA: Condition assessment of exterior walls at Terminals D and E and conceptual structural and waterproofing repair design for window walls
- Singh Center for Nanotechnology - Philadelphia, PA: Investigation of insulating glass unit seal failures
- Polyisobutylene (PIB) Migration Investigation - Various Locations, U.: Inspection of insulating glass units with suspected PIB migration
- Spontaneous Glass Breakage Investigation - Various Locations, US: Investigation of nickel sulfide-related spontaneous glass breakage
- Various Locations, FL: Inspection of suspected hurricane damage at windows and sliding glass doors
- Glass Defect Investigation - Princeville, HI: Investigation of defects in low-E coating, air space, and glazing blemishes
- Tornado Damage Investigation - Dallas, TX: Evaluation of glazing damage

* Indicates with previous firms