

Aurore Badré | Associate III



EDUCATION

- Ecole Centrale de Marseille
 - Bachelor of Engineering, Engineering Management, 2018
- The Pennsylvania State University
 - Master of Science, Architectural Engineering, 2020

PRACTICE AREAS

- Facade Assessment
- Roofing and Waterproofing
- Windows/Curtain Walls/Skylights
- Building Envelope Consulting
- Testing and Instrumentation
- Water/Air Leakage Assessment
- Thermal Analysis
- Repair and Rehabilitation

REGISTRATIONS

- LEED Accredited Professional (Building Design and Construction)

PROFESSIONAL AFFILIATIONS

- International Institute of Building Enclosure Consultants
- National Women in Roofing
- Urban Green Council

CONTACT

abadre@wje.com
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* Indicates with previous firm

EXPERIENCE

Aurore Badré performs facade investigations, condition assessments, hygrothermal analysis, and building envelope consulting. She has experience with various materials and systems, including brick, terra cotta, concrete, stucco, limestone, EIFS, metal panels, glass facades, and roofing, waterproofing, and weather barrier products.

Before joining WJE, Ms. Badré enjoyed working as a building science engineer, where she focused on new and existing construction projects for numerous types of buildings in California. Her project work has included design assistance, peer review services, quality assurance/quality control protocol development, observation and troubleshooting of performance mock-ups, water leakage investigation, field performance verification testing, facade assessment, and repair and rehabilitation design for various building types and enclosure systems.

REPRESENTATIVE PROJECTS

Facade Assessment

- New York University, Langone Health: Survey and construction administration of masonry, punched window, and terra cotta repairs
- 15 Central Park West - New York, NY: Facade survey of limestone panel-clad buildings
- 44-02 11th Street - Long Island City, NY: Exterior facade evaluation and repair design for six-story, cast-in-place concrete building with aluminum-framed, punched windows

Roofing and Waterproofing

- Northern Westchester Hospital - Mount Kisco, NY: Construction period services for replacement of existing roof system
- 600 Third Avenue - New York, NY: Roof assessment, including a visual condition survey and review of probe openings

Windows/Curtain Walls/Skylights

- Corporate Headquarters - New York, NY: Inspection of insulating glass units with suspected polyisobutylene migration
- Gateway of Pacific - South San Francisco, CA: Construction administration service for curtain wall installation on two fifteen-story buildings *

Building Envelope Consulting

- Avalon Rockville Centre - Rockville Centre, NY: Construction administration services for traffic coating repairs at exterior drive aisle
- ADP Properties - GA, NJ, and TX: Condition and performance assessment of building envelope; development of building envelope-focused energy conservation measures
- Ronkonkoma Hub - Ronkonkoma, NY: Phase IIA construction administration services for four mixed-use buildings
- Morgan Lighthouse Condominiums - Jersey City, NJ: Construction administration services for replacement of existing brick masonry and cast-stone cladding; fenestration services
- Connecticut Children's Hospital Addition - Hartford: Prefabricated wall assembly shop drawing review and thermal modeling of specific details to evaluate the impact of thermal bridging
- SciTech Scity - Jersey City, NJ: Design peer review for eight-story, mixed-use building with unitized curtain walls; EIFS; corrugated, metal rainscreen panels; laminated, wood veneer rainscreen panels; storefront assemblies; fiber cement panel cladding; low-slope roofs; pre- and post-applied sheet membranes at subgrade foundations; and vapor barrier membrane below slabs on grade
- University of California, Hastings (now University of California College of the Law) - San Francisco: Design peer review and construction administration services for curtain walls and fourteen-story building with prefabricated wall assembly system *

Testing and Instrumentation

- 200 Amsterdam Avenue - New York, NY: Partition wall noise investigation using acoustic camera
- 80 East 20th Street - New York, NY: Investigation of water infiltration of precast concrete, insulated, sandwich-paneled building
- Motto by Hilton Chelsea - New York, NY: Leakage investigation along interface of curtain walls and EIFS system