

Stephanie Y. Shin | Associate III



EDUCATION

- Carnegie Mellon University
 - Bachelor of Science, Civil Engineering, 2015
 - Master of Science, Civil and Environmental Engineering, 2016

PRACTICE AREAS

- Building Enclosure Consulting
- Facade Assessment
- Repair and Rehabilitation
- Water/Air Leakage Assessment

PROFESSIONAL AFFILIATIONS

- Building Enclosure Council - Washington, D.C. Chapter

CONTACT

sshin@wje.com
703.641.4601
www.wje.com

EXPERIENCE

Stephanie Shin joined WJE in 2016 and has worked on various projects in the Washington, D.C. metropolitan area—with a primary focus on the building envelope—including building enclosure peer review, design assistance, investigations, facade condition assessment, and construction period services. Ms. Shin has also been engaged in field testing for air infiltration and water penetration resistance testing, both in a forensic capacity and in the context of new construction, using ASTM and AAMA voluntary guide specifications and test standards, as well as low-voltage electronic leak detection methods and moisture surveying—using electrical impedance scanners for use at new roofing and waterproofing membranes.

Ms. Shin has also worked with various building facade materials and systems, including sheet-applied waterproofing, hot fluid-applied rubberized asphalt waterproofing/roofing, precast concrete, glazed aluminum curtain wall, and metal wall panels.

REPRESENTATIVE PROJECTS

Building Enclosure Consulting

- University of Maryland Capital Region Medical Center - Upper Marlboro: Design peer review and construction period services for both unitized and stick-built curtain wall, precast concrete panel, and metal panel facades as well as building enclosure assemblies
- Parc Riverside II Apartment Building - Washington, D.C.: Construction period services during installation of masonry and window wall facades and aluminum-framed “punched” windows
- MetroWest - Fairfax, VA: Construction period services for the mid-rise concrete podium structures, including cast stone masonry, brick masonry, fiber cement panel cladding, curtain wall facades, and “punched” windows

Facade Assessment

- Hart Senate Office Building - Washington, D.C.: Survey and condition assessment of the existing historic windows; rehabilitation contract drawings, including extent of waterproofing and sealant replacement
- 2200 Crystal Drive - Arlington, VA: Condition assessment survey of the existing windows for consideration by the client for future replacement of the insulated glazing units (IGUs)
- 1800 M Street - Washington, D.C.: Interior condition assessment and survey of 100 percent of the window IGUs on the project site; update of repair contract drawings and determination of the extent of window repair/replacement

Repair and Rehabilitation

- Inova Center for Personalized Health - Fairfax, VA: Renovation of two office buildings and two circulation towers on the campus previously occupied by Exxon Mobil, including replacement of curtain wall; oversight during renovation and new construction
- Inova Fairfax Medical Campus, Women’s and Children’s Center - VA: Renovation work, including replacement of building facade elements, including roofing and sealant; oversight during construction
- Rosslyn Plaza North - Arlington, VA: Observation and documentation of the roof repairs for compliance with contract documents and industry standards

Water/Air Leakage Assessment

- National Geospatial-Intelligence Agency, New Campus East - Springfield, VA: Water leakage investigation at the roofing and ETFE atrium skylight at the main roof and the curtain wall at the terrace
- Inova Center for Personalized Health - Fairfax, VA: Investigation of reported water penetration at locations below the north and south garage ramps
- Parc Riverside I Apartment Building - Washington, D.C.: Investigation of reported recurrent water leakage into building units at windows, slab edge covers, and stucco