

Facade Assessment



- Facade survey and condition assessment
- Laboratory and field durability and performance testing
- Investigation and remediation of uncontrolled rainwater penetration
- Evaluation of thermal performance and condensation potential
- Structural analysis, nonlinear finite element analysis, and repair design
- Cost estimating and capital reserve studies
- Pre-purchase/pre-sale evaluation and condition assessment
- Repair, rehabilitation, and re-clad/over-clad of existing structures

Building owners and managers turn to WJE when they need a firm that fully understands their building facade problems. WJE pioneered the practice of modern facade assessment and repair more than forty years ago. WJE's work investigating landmark facade failures, including New York City's Woolworth Building in 1977 and Chicago's Aon Center in 1988, positioned the firm as a global leader in the field. Today, WJE is recognized as a trusted resource for objective and technically sound facade assessment and repair design on both contemporary and historic structures.

One of the unique core strengths WJE brings to all of its work is the technical depth and expertise available from the firm's materials science group in the Jack R. Janney Technical Center (JTC). More than sixty years of industry-sponsored, leading-edge research and laboratory testing for material durability and performance provides WJE professionals with the in-house resources necessary to take a holistic approach to problem-solving that is critical to developing comprehensive, cost-effective, and technically sound repair and restoration strategies for building facades of any age, material composition, or construction type. The technical depth of the JTC and hands-on approach to problem-solving that all of the company's professionals take in the field are both hallmarks of WJE, whether working from scaffolding or engaging the services of the professionally certified WJE Difficult Access Team to reach facade and domed surfaces that others consider impossible to reach.

Using state-of-the-art testing equipment and laboratory capabilities, WJE professionals have successfully diagnosed and solved problems in thousands of building facades.



Facade Assessment

REPRESENTATIVE PROJECTS

- 888 O'Farrell Street - San Francisco, CA: Window and EIFS leakage investigation and repair design
- Amoco Building - Chicago, IL: Distressed marble panel investigation and granite re-clad design
- Blackstone Hotel - Chicago, IL: Hands-on evaluation and facade restoration
- Candler Building - Atlanta, GA: Marble and terra cotta facade investigation
- Harold Washington Social Security Center - Chicago, IL: Facade recladding design
- Hotel Palomar (Architects Building) - Philadelphia, PA: Exterior envelope repairs
- Mathematics Tower and Science and Engineering Library - Columbus, OH: Investigation and repair of brick cladding
- Miami-Dade County Courthouse - FL: Assessment and repair design of historic terra cotta facade
- New York Public Library - NY: Investigation and comprehensive exterior restoration
- Philadelphia Savings Fund Society Building - PA: Exterior survey and water leakage testing
- Washington Monument - Washington, D.C.: Facade assessment
- Washington State Legislative Building - Olympia: Exterior restoration and earthquake repair

