



## SERVICE PROFILE

# Roofing and Waterproofing



- Visual inspections and condition surveys
- Roof asset studies
- Failure and damage investigations
- Design of roofs and waterproofing systems for new buildings
- Commissioning services
- Contract documents
- Field observation during construction
- Wind uplift testing
- Laboratory analysis and testing
- Infrared camera and capacitance meter moisture surveys
- Electronic integrity testing
- Roof management programs

The success of any roofing or waterproofing system depends on well-conceived and constructed details. Whether the structure has a low- or steep-slope roof system, a plaza deck with various hardscape elements and water features, or a below-grade foundation system in variable soil conditions under hydrostatic pressure, the selection of the right product and its detailing in the context of the project application is of paramount importance. Attention to even the smallest detail can dramatically impact the performance of a roofing or waterproofing system.

WJE's roofing and waterproofing experts have reviewed thousands of system failures and have an intimate knowledge of a wide range of roofing systems—from historic clay tile to the latest in green roofs and sustainable design, to plaza decks, and foundation waterproofing systems in positive and negative side applications.

Building owners know the importance of a water-tight structure. WJE roofing and waterproofing professionals provide a holistic approach to each project by addressing the roofing or waterproofing system, the supporting structure, and integration details that tie-in with enclosing or perimeter elements.

WJE's commitment to every project carries through the Construction phase. WJE's roofing and waterproofing professionals work hand-in-hand with contractors to ensure design concepts are met and the building and its contents are protected from the devastating effects of water.





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### REPRESENTATIVE PROJECTS

- California State Capitol - Sacramento: Re-roofing design and consulting
- Candler Building - Atlanta, GA: Roof replacement design
- Continental Airlines Terminal - Newark, NJ: Roofing assessment
- Denver Art Museum's Frederic C. Hamilton Building - CO: Consulting and repair design for water leakage at skylights and atrium roof
- Grove Park Inn Resort and Spa - Asheville, NC: Clay tile roof replacement
- Halekulani Hotel - Honolulu, HI: Roof investigation
- Hilton Waikiki Prince Kuhio Hotel - Honolulu, HI: Roofing replacement design for tower
- John F. Kennedy Center for the Performing Arts - Washington, D.C.: Investigation and rehabilitation design for roofs and plaza areas
- Lake Point Tower - Chicago, IL: Roof replacement design
- Lyndon Baines Johnson Library and Museum - Austin, TX: Plaza assessment and restoration design
- Minneapolis Central Library - Minneapolis, MN: Icicle formation investigation
- National September 11 Memorial & Museum - New York, NY: Waterproofing consulting
- Quicken Loans Arena - Cleveland, OH: Roofing condition assessment

