



PERSONNEL QUALIFICATIONS

Kelly E. Cronin | Associate Principal



EDUCATION

- Carnegie Mellon University
 - Bachelor of Science, Civil Engineering, 2006
- University of California, Berkeley
 - Master of Engineering, Structural Engineering, 2008
 - Minor, Geotechnical Engineering, 2008

PRACTICE AREAS

- Roofing and Waterproofing
- Repair and Rehabilitation
- Sealants
- Facade Failure and Leakage
- Construction Troubleshooting
- Design-Assist
- Facade Assessment
- Prepurchase Surveys

REGISTRATION

- Professional Engineer in DE, DC, MD, and VA
- Registered Waterproofing Consultant

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers, National Capital Section, past president
- ASTM International
- International Institute of Building Enclosure Consultants

CONTACT

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EXPERIENCE

Kelly Cronin joined WJE in 2008 and has extensive experience in a broad range of projects related to design peer review, construction observation, facade inspections, condition surveys, water infiltration investigations, and evaluations of new and existing structures. Ms. Cronin's work has included the assessment and development of repairs for various building types to address bulk rainwater penetration and moisture-related deterioration of above- and below-grade building enclosure materials, components, and systems. These systems have included steel, concrete, timber, brick masonry, cast stone, exterior insulation finishing systems, and aluminum/glass curtain walls.

REPRESENTATIVE PROJECTS

Roofing and Waterproofing

- Four Seasons Royal Suite Terrace - Washington, D.C.: Water penetration investigation, development of repair documents, and on-site quality assurance of terrace waterproofing assembly
- Arlington County Courthouse - VA: On-site observation and quality assurance of horizontal waterproofing assembly installation in pedestrian plaza
- Georgetown University, Preclinical Science Building Plaza - Washington, D.C.: Water penetration investigation and development of repair documents for waterproofing above below-grade office space
- Georgetown University, Yates Fieldhouse - Washington, D.C.: Development of repair documents for waterproofing beneath intramural sports playing field
- U.S. Drug Enforcement Administration Headquarters - Arlington, VA: Development of roof replacement documents and oversight of work during construction

Sealants

- 1660 International Drive - McLean, VA: Water penetration investigation of multistory curtain wall and development of subsequent sealant repairs
- Rosslyn Plaza North - Arlington, VA: Design and oversight of replacement of exterior joint sealant, including preformed silicone shapes

Repair and Rehabilitation

- Sibley Memorial Hospital - Washington, D.C.: Evaluation and design of concrete sunshades in addition to below-grade expansion joint repairs
- 1909 K Street Parking Garage - Washington, D.C.: Development of repair documents and construction period services for below-grade concrete garage repairs
- Crystal Square 5 - Arlington, VA: Assessment and installation oversight of high-performance coating application on aluminum facade panels

Facade Failure and Leakage

- Howard Hughes Medical Institute, Janelia Farms Campus - Ashburn, VA: Facade and low roof water penetration investigation
- West End 25 - Washington, D.C.: Water penetration investigation of curtain wall and metal panel interfaces at balconies
- Chase Point - Washington D.C.: Oversight of repairs to address construction defects and active leakage
- Georgetown University, Harbin Hall - Washington, D.C.: Water penetration investigation and condition assessment beneath and surrounding pedestrian plaza

Construction Troubleshooting

- The Pearl - Silver Spring, MD: On-site observation and quality assurance of building envelope for new apartment building
- Ingleside at King Farm - Rockville, MD: Building enclosure consulting services during design and construction of additions to existing senior living facility
- The Hepburn - Washington, D.C.: On-site observation and quality assurance of unitized curtain wall installation
- Press House - Washington, D.C.: On-site construction period services of new residential tower adjacent to historic structure

TECHNICAL COMMITTEES

- ASTM International - C24 Building Seals and Sealants