

Michelle E. Couture | Senior Associate



EDUCATION

- University of Minnesota
 - Bachelor of Science, Architectural Studies, 2002

PRACTICE AREAS

- Computer-Aided Design
- Computer Modeling
- Facade Assessment
- Facade Recladding Design
- Repair and Rehabilitation Design
- Sustainable Design and LEED Design Review
- Materials Evaluation and Research

REGISTRATIONS

- Architect in WA
- LEED BD+C Accredited Professional
- ITC Certified Building Science Thermographer
- BPI Certified Envelope Professional

PROFESSIONAL AFFILIATIONS

- American Institute of Architects (AIA)
- Seattle Building Enclosure Council (SeaBEC)
- U.S. Green Building Council (USGBC)

CONTACT

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EXPERIENCE

Michelle Couture works on a wide range of architectural and materials-related projects for historic and contemporary buildings. Many of these projects involved conducting field investigations and condition surveys. Ms. Couture's projects include repair design, construction documentation and specification, construction observation services, and infrared thermography. She has research and project experience in color theory and technology for use in matching repair of historic materials. Ms. Couture has experience in 3D modeling and animation for litigation or design presentations.

Ms. Couture obtained initial LEED Accreditation in July 2007 and renewed her credentials in 2010 to include the LEED Building Design and Construction specialty. She gained experience with the LEED certification process through working on a LEED-CI design project. Ms. Couture offers research and support services regarding LEED-NC and LEED-CI credit requirements and ASHRAE standards. She participates in WJE's sustainability technical resource group, presented an *Introduction to Sustainability* presentation through a companywide webinar in 2010, and presented ideas on sustainable office practices at a companywide conference in May 2006. Ms. Couture has also given talks and written an article regarding other sustainability-related topics.

REPRESENTATIVE PROJECTS

Computer-Aided Design

- 4459 Fremont Avenue Apartments - Seattle, WA: Permit and construction documents
- Fourth and Madison - Seattle, WA: Permit and construction documents for curtain wall repairs
- Seattle Central Community College, Edison Building - Seattle, WA: Bidding, permit, and construction documents

Computer Modeling

- 3D Modeling and animations to present collapse sequence of a 210-foot tower crane and the collapse of a highway bridge Chemeketa Community College - Salem, OR: 3D modeling and rendering for exterior reclad design options

Facade Assessment

- Arbor Station - Beaverton, OR: Building condition assessment for construction defect and litigation support
- Group Health - Olympia and Everett, WA: Infrared analysis of exterior cladding for documenting possible water intrusion
- Tacoma Theaters - Tacoma, WA: Building condition assessment for periodic maintenance plan
- Villa Juanita - Bothell, WA: Building condition assessment for construction defect and litigation support

Facade Recladding Design

- 4459 Fremont Avenue Apartments - Seattle, WA: Color scheme design and client presentation; assisted with repair designs
- Group Health - Everett, WA: Assistance with repair and color scheme designs

Repair and Rehabilitation Design

- Northgate Plaza - Seattle, WA: Facade and interior inspections, repair design, construction documents, and construction administration
- King County Courthouse - Seattle, WA: Facade inspection, repair design, construction documents, and construction administration

Sustainable Design and LEED Design Review

- Georgetown Works Project - Seattle, WA: Materials research and selection; research documentation to fulfill LEED credit requirements; management and coordination of LEED tasks for attempting LEED for Commercial Interiors certification; assistance with interior design

Materials Evaluation and Research

- Illinois State Capitol - Springfield, IL: Color analysis for matching of historic stained glass window
- North Carolina State University, Laefer Brick Project - Raleigh: Color analysis of aged brick for replication