

### Andrew Bishop | Senior Associate



#### EXPERIENCE

Andrew Bishop specializes in the design, assessment, and repair of exterior envelopes, with an emphasis on curtain wall and fenestration systems. His experience has ranged from evaluating design ideas to identifying the cause of failures for rehabilitation projects. The scope of services on his projects range from efficient and targeted peer reviews to complete design and Quality Assurance (QA) services for construction activities on new or existing structures.

Prior to joining WJE, Mr. Bishop was a graduate teaching fellow at the University of Oregon, focusing on building envelopes. His analytical and research background makes him ideal for investigating and understanding complex problems. His previous employment with distinguished design firms gives him an ability to balance aesthetic, cost, schedule, and technical concerns.

#### REPRESENTATIVE PROJECTS

##### Windows and Curtain Walls

- 10th & Market (NEMA) - San Francisco, CA: New construction consulting and QA services for imported custom curtain walls for luxury condominium towers
- 450 N Street - Sacramento, CA: Energy use evaluation of replacement of spandrel glass
- 1400 Mission - San Francisco, CA: New construction consulting and QA services for imported custom curtain walls for affordable family housing
- One Ala Moana Tower - Honolulu, HI: Curtain wall, roof deck, and waterproofing design for residential tower
- The Pacific Condominiums - San Francisco, CA: QA services for custom and stock window wall systems
- Park Lane Ala Moana - Honolulu, HI: New construction consulting and QA services for custom window wall, waterproofing, and other cladding systems
- State of Alaska Library Archives Museum - Juneau, AK: Cold weather curtain wall design services, including THERM and hygrothermal modeling

##### Facade Assessment

- 1 Rincon Hill - San Francisco, CA: Prepurchase investigation of curtain walls
- 6750 Dumbarton Circle - Fremont, CA: Prepurchase investigation of precast concrete and ribbon windows
- City Limits Condominiums - Emeryville, CA: Litigation support for waterproofing failures
- First International Financial Centre - Mumbai, India: Investigation of thermal cycling of curtain wall cladding
- Los Angeles County Hall of Justice - Los Angeles, CA: Assessment and documentation of historic window systems
- University of California, Berkeley, Stephens Hall - CA: Window survey to prioritize repair and maintenance

##### Repair and Rehabilitation

- 770 L Street - Sacramento, CA: Leakage investigation, repair design, QA services, and contract administration
- 2140 Shattuck Avenue - Berkeley, CA: Assessment, repair design, and repair observation of historic windows
- Cigna Recladding - Hartford, CT: Development of rehabilitation and recladding options for historic curtain walls
- Douglas Island State Office Building - Juneau, AK: Consulting and QA services for recladding of occupied office building using high-performance unitized curtain walls
- Hilton Hotel - San Francisco, CA: Finite-element modeling and evaluation of window replacement and ventilation
- University of California, Berkeley, O'Brien Hall, CA: Evaluation and repair of historic curtain walls

##### Roofing and Waterproofing

- 246 2nd Street - San Francisco, CA: Evaluation, repair design, and construction administration for high-rise condominiums
- Capri Creek Apartments - Petaluma, CA: Expert witness regarding hygrothermal performance
- The Carlisle - San Francisco, CA: Mansard removal and reroofing
- NoHo Lofts - North Hollywood, CA: Litigation support, repair design, and contract administration

#### EDUCATION

- University of Cincinnati
  - Bachelor of Science Architecture, 2008
- University of Oregon
  - Master of Architecture, 2011

#### PRACTICE AREAS

- Windows and Curtain Walls
- Facade Assessment
- Repair and Rehabilitation
- Roofing and Waterproofing
- Building Science

#### REGISTRATIONS

- LEED Accredited Professional
- Construction Documents Technologist

#### PROFESSIONAL AFFILIATIONS

- Building Enclosure Council of San Francisco

#### CONTACT

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