

### Joseph W. Buccini | Senior Associate



#### EDUCATION

- University of Wisconsin-Milwaukee
  - Bachelor of Science, Architecture, 2011
- University of Oregon
  - Master of Architecture, 2014

#### PRACTICE AREAS

- Windows and Curtain Walls
- Passive House Design/Evaluation
- Roofing and Waterproofing
- Building Enclosure Consulting
- Historic Preservation
- Architectural Testing
- Failure/Damage Investigations

#### REGISTRATIONS

- Architect in CA
- Certified Passive House Consultant

#### PROFESSIONAL AFFILIATIONS

- International Institute of Building Enclosure Consultants
- Passive House Institute United States

#### PUBLICATIONS

- Buccini, Joseph, Lee Eckert, Ashleigh Fischer, and Alison Kwok. *Taccogna Passive House*. Eugene, OR: University of Oregon, 2016

#### CONTACT

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#### EXPERIENCE

Joseph Buccini specializes in design consulting, assessment, and repair of exterior envelope systems, as well as the restoration, repair, and renovation of historic structures. His experience ranges from peer review services to full building enclosure design for exterior envelope systems and from creation of feasibility studies to complete survey and repair documents for historic preservation projects.

Since joining WJE, Mr. Buccini has participated in various projects, including architectural field investigations, water intrusion investigations, demolition and construction documents for roofing and waterproofing repairs, glass failure investigations and reports, energy modeling for new high- and mid-rise construction, and drawings and specifications at all phases of project development.

Prior to joining WJE, Mr. Buccini was involved in the year-long instrumentation and analysis of a single-family Passive House's energy usage, indoor environmental qualities, and occupant satisfaction, evaluating its design and performance. He conducted interviews with the architect, contractor, and owner to understand the successes and pitfalls encountered during the process.

#### REPRESENTATIVE PROJECTS

##### Windows and Curtain Walls

- 633 Folsom Street - San Francisco, CA: Design consulting for the adaptive reuse of an existing office building incorporating a custom curtain wall system with integrated, parametrically designed fiber reinforced polymer sun shading devices
- San Francisco International Airport Terminal 1 - CA: Enclosure consulting for below-grade waterproofing, window wall, curtain wall, and roofing systems of new terminal building and attached gates
- The Pacific - San Francisco, CA: Q/A services for custom and stock window wall systems; factory and site observation of damaged glass and work in progress
- Block 188 - Austin, TX: New construction consulting and construction administration for exterior envelope and waterproofing for a high-rise condominiums and hotel tower

##### Passive House Design/Evaluation

- Amherst College Lyceum - Amherst, MA: Design consulting, peer review, and construction phase services working for the architect of record and the college for a building following Passive House principles

##### Roofing and Waterproofing

- University of California, Santa Cruz, Music Building: Diagnostic testing to determine the source of water infiltration and repair recommendations for the exterior envelope
- 1350 California Street - San Francisco, CA: Diagnostic testing and construction administration services for waterproofing repairs to an exterior courtyard over an existing parking structure

##### Historic Preservation

- Sacramento Municipal Utility District - CA: Restoration and renovation of building envelope components and creation of construction documents
- Sutter's Fort - Sacramento, CA: Documentation of existing conditions, evaluation of repair strategies, and creation of repair documents for Sacramento's oldest unreinforced masonry structure

##### Architectural Testing

- University of California, San Francisco, Rutter Center: Waterproofing consulting and construction administration for an exterior pool and slip resistance testing and analysis of interior terrazzo and traffic coatings
- Lakeside Park - Oakland, CA: High-voltage integrity testing and roofing report to identify repair area

##### Failure/Damage Investigations

- City College of San Francisco Flooring Investigation - CA: Testing and documentation of delaminating flooring; installation of humidity monitoring equipment, and preparation of data
- Hotel Renoir - San Francisco, CA: Moisture measurements of historic plaster, doors, and floor with reporting on charred and smoke-damaged wood framing of a fire- and water-damaged structure