

Benjamin M. Lueck | Associate III



EDUCATION

- University of California, Berkeley
 - Master of Science, Civil Engineering, 2012
 - Master of Architecture, 2012
- The University of Rhode Island
 - Bachelor of Fine Arts, Studio Art, 2006

PRACTICE AREAS

- Repair and Rehabilitation Design
- Historic Preservation
- Roofing and Waterproofing
- Condition Assessment
- Failure Investigation
- Damage Assessment and Documentation
- Construction Documents and Specifications
- Computer Aided Design

PROFESSIONAL AFFILIATIONS

- American Institute of Architects
- Association for Preservation Technology International
- California Preservation Foundation
- Construction Specifications Institute

CONTACT

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EXPERIENCE

Benjamin Lueck joined WJE in 2013 and has gained considerable expertise in a wide range of projects such as condition assessments, rehabilitation designs, and construction administration. He has worked on projects involving numerous commercial, residential, and industrial buildings. In addition, Mr. Lueck has applied his experience and his unique educational background in both civil engineering and architecture to the preservation of several historic structures.

Mr. Lueck has produced various deliverables that record existing conditions, analyze damage, and document construction observations. He has conducted destructive and nondestructive testing and has observed and documented testing by others. Mr. Lueck regularly assists in the production of construction drawings and specifications for architectural and structural projects.

REPRESENTATIVE PROJECTS

Repair and Rehabilitation Design

- Historic Bank Building - WA: Rehabilitation of historic bank constructed of concrete block
- 116 New Montgomery - San Francisco, CA: Repair and reinforcement of brick and terra cotta facade on historic high-rise building
- 150 Sutter Street - San Francisco, CA: Rehabilitation of historic terra cotta facade and cast-iron storefront
- Fort Barry Balloon Hanger - Marin County, CA: Rehabilitation of historic steel-framed coastal defense structure

Historic Preservation

- Richmond Shipyard Number Three - Richmond, CA: Comprehensive historic structure report encompassing all remaining buildings from WWII-era Kaiser Corporation shipyard (Rosie the Riveter/World War II Home Front National Historical Park)
- Sacramento Municipal Utility District Headquarters - Sacramento, CA: Historic structure report for modern office building
- University of California, Berkeley, Bowles Hall - Berkeley, CA: Updated historic resource survey of oldest state-owned dormitory

Roofing and Waterproofing

- Eames House - Los Angeles, CA: Roof drainage modification and edge detailing for iconic modern house
- Warehouse - Stockton, CA: Roof drainage repairs, sealant replacement, and exterior recoating of large tilt-up concrete structure
- Apartment Building Complex - Corte Madera, CA: Waterproofing detailing and construction observation encompassing roofing, deck coatings, drainage, and multiple cladding materials

Condition Assessment

- Harmon Tower - Las Vegas, NV: Onsite documentation of destructive testing to expose rebar in twenty-five-story unfinished hotel
- Private Residences - San Francisco Bay Area, CA: Pre- and postconstruction condition assessments on behalf of public utilities performing remediation work on or near properties
- Private Residences - Lincoln, CA: Condition assessments performed on existing building for construction-defect litigation

Failure Investigation

- Port of Long Beach Middle Harbor - Long Beach, CA: Investigation of precast, prestressed concrete pile failure during construction of new pier
- Warehouse - Lathrop, CA: Investigation of damage claims to slab-on-ground
- Apartment Building - Colma, CA: Investigation of blistering and water entrapment in roof membrane, including destructive testing and laboratory analysis