

Katelyn Dill | Associate II



EDUCATION

- University of Texas at Austin
 - Bachelor of Science, Architectural Engineering, 2023
- University of California, Berkeley
 - Master of Science, Structural Engineering, Mechanics, and Materials, 2024

PRACTICE AREAS

- Failure/Damage Investigations
- Structural Analysis/Design
- Historic Preservation
- Litigation Consulting
- Condition Assessments and Inspections

PROFESSIONAL AFFILIATIONS

- Structural Engineering Association of Northern California, Young Member Forum

CONTACT

kdill@wje.com
510.428.2907
www.wje.com

EXPERIENCE

Katelyn Dill specializes in the evaluation and analysis of existing structures. She has experience in the investigation and correction of structural issues in a variety of contexts, including failure investigations, condition assessments, and structural evaluation of existing and historic structures. Her projects often include field investigation, numerical analysis or modeling, structural design, construction period services, and litigation consulting. Since joining WJE in 2024, Ms. Dill has conducted numerous engineering investigations and assessments of wood-framed, reinforced concrete, and masonry structures.

REPRESENTATIVE PROJECTS

Failure/Damage Investigations

- Commercial Office Building - San Jose, CA: Investigation and repair of decayed glulam beams above exits and occupied lab space
- Steel Building - Lakeport, CA: Damage assessment of structure with a partial roof collapse from tree impact
- Fire Investigations - Berkeley, CA: Investigation of fire-damaged concrete slabs
- Residential Damage Investigations - San Francisco Bay Area, CA: Investigation of reported damage to wood-framed residences from various sources, including vibration, water leakage, and ground movement claims

Structural Analysis

- Convention Center - HI: Feasibility study and repair design for glulam timber arches with widespread delaminations
- Hotel - Chicago, IL: Evaluation of construction defects in concrete masonry lateral system of six-story hotel
- Educational Facility - Broomfield, CO: Modeling of pier-supported concrete slab to facilitate construction openings for urgent repairs

Historic Preservation

- Crystal Cove Beach Cottages - Newport Beach, CA: Structural consulting for rehabilitation of historic 1920s beachfront community

- Texas White House - Stonewall, TX: Construction period services for wood-framed building within Lyndon B. Johnson National Historic Park
- Historic Hotel - Chicago, IL: Investigation of cast iron structural columns of hotel built in the 1880s
- National Historic Site - Eastern Washington: Construction period services for structural retrofit and repairs of concrete roof structure and facade

Litigation Consulting

- Wind and Corrosion Allegations - Maui, HI: Structural analysis in support of expert testimony for construction defect claims in wood-frame townhome complexes
- Residential Construction Defects - Northern California: Condition assessments, deposition support, and trial preparation for structural and ground movement claims for various wood-frame townhome complexes
- Hospital Equipment Supports - Santa Clara, CA: Standard of care evaluation for design of medical equipment support structures

Condition Assessments and Inspections

- Department of Defense - International: Development of triage condition assessment program for concrete structures
- SB721 Balcony Inspections - San Francisco Bay Area, CA: Inspection of exterior wood-framed components for deterioration and damage; repair recommendations and construction documents
- Pre- and Post-Construction Assessments - San Francisco Bay Area, CA: Assessments of wood-framed residential buildings for damage associated with adjacent construction
- Facade Inspections - San Francisco and Berkeley, CA, and Chicago, IL: Assessment of concrete and masonry facades using ground level observation, swing-stage access, and rope access