



PERSONNEL QUALIFICATIONS

Kaat Ceder | Senior Associate



EDUCATION

- University of California, Berkeley
 - Bachelor of Science, Civil and Environmental Engineering, 2018
 - Master of Science, Civil Engineering (Structural Engineering, Mechanics, and Materials), 2019

PRACTICE AREAS

- Earthquake Engineering
- Failure/Damage Investigations
- Design
- Facade Access
- Litigation Consulting
- Nondestructive Evaluation
- Historic Preservation

REGISTRATIONS

- Civil Engineer in CA

PROFESSIONAL COMMITTEES

- American Wood Council - Wood Design Standards Committee
- Structural Engineering Association of Northern California - Existing Buildings Committee, secretary; SE3 Committee past chair

CONTACT

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EXPERIENCE

Kaat Ceder specializes in the evaluation, repair, and strengthening of wood-framed and concrete buildings with a primary focus on seismic strengthening. She has experience with projects ranging from single-family residences to complex historic structures.

Ms. Ceder has conducted numerous engineering investigations and condition assessments of wood-framed, reinforced concrete, and post-tensioned concrete structures.

REPRESENTATIVE PROJECTS

Earthquake Engineering

- Pasadena Lawn Bowling Club - CA: Design of seismic retrofit for historically significant unreinforced masonry building
- Schematic Seismic Strengthening of Historic Structure - Alcatraz Island, CA: Development of seismic stabilization improvements for historic unreinforced concrete masonry structure
- Peartree Apartments Leasing Office and Clubhouse - Sunnyvale, CA: Design of seismic retrofit for renovation
- Hillside School - Berkeley, CA: Design of seismic strengthening for renovation and change of occupancy of historic school building located on Hayward Fault and old landslide deposits

Failure/Damage Investigation

- Fire Investigations - Berkeley CA, Concord CA, Marysville CA, San Francisco CA, Santa Clara CA, Vacaville CA, and Las Vegas NV: Damage investigation and repair recommendations of fire-damaged concrete structures, including several with post-tensioned slabs
- SB721/SB326 Balcony Inspections - CA: Inspection of hundreds of balconies ranging from 1960s to 2010s construction for deterioration and damage.; repair recommendations and construction documents for repairs
- Below-Grade Slab Rupture - San Francisco, CA: Investigation and repair construction documents for below-grade parking garage with significant water intrusion via inadequately designed slab
- Steel Cracking - Santa Rosa, CA: Investigation of cracking in steel tube elements during construction of new building

- Roof Collapse - Martinez, CA: Investigation and repair documents for partial roof collapse of concrete tilt-up building with wood-framed roof

Design

- Landslide Stabilization - Moraga, CA: Design of a permanent stabilization system for 2016 Moraga Landslide using tied-back, drilled-stitch piers

Facade Access

- San Francisco International Airport - CA: Assessment, development of repair documents, and testing of existing facade access system
- United States Courthouse - Los Angeles, CA: Assessment and development of repair documents for existing facade access system

Litigation Consulting

- Shingle Failures - Various Locations, Northern CA: Investigation and litigation support for large-scale shingle blowoffs at housing developments
- Steel Fracture Investigation - San Francisco, CA: Litigation support on builder's risk claims
- Landslide - Moraga, CA: Condition assessment of residences uphill of landslide, conceptual stabilization designs, and mediation support for post-landslide litigation

Nondestructive Evaluation

- Utility Provider - East Bay, CA: Condition assessments and pre- and post-construction surveys of residential structures
- Marina District Monitoring - San Francisco, CA: Pre- and post-construction condition surveys for residential and office buildings during ongoing soil remediation work

Historic Preservation

- Deer Hollow Farm White Barn - Cupertino, CA: Documents for the strengthening and repair of historic barn
- Kickham Ranch Barns - Gilroy, CA: Construction documents for strengthening and repair of historic barns