

Kaat Ceder | Associate III



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 AFFILIATIONS

- Structural Engineering Association of California (SEAOC)
- Structural Engineering Association of Northern California (SEAONC)

TECHNICAL COMMITTEES

- SEAOC - Structural Engineering Engagement and Equity
- SEAONC - Structural Engineering Engagement and Equity, chair

CONTACT

kceder@wje.com
510.428.2907
www.wje.com

EXPERIENCE

Kaat Ceder specializes in the evaluation, repair, and strengthening of wood-framed and concrete buildings. She primarily focuses on seismic strengthening and has experience with projects ranging from single-family residences to complex historic structures. Ms. Ceder has also conducted numerous engineering investigations and condition assessments of wood-framed, reinforced concrete, and post-tensioned concrete structures.

REPRESENTATIVE PROJECTS

Earthquake Engineering

- 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 of existing leasing office building at apartment complex
- Hillside School - Berkeley, CA: Design of seismic strengthening for renovation and change of occupancy for historic school building on top of the Hayward Fault and old landslide deposits
- Power Substation - Oakland, CA: ASCE-41 investigation of building with steel, URM, and reinforced concrete lateral systems

Failure/Damage Investigation

- Apartment Building Concrete Podium - Berkeley, CA: Damage investigation and repair recommendations
- Concrete Garage - Concord, CA: Damage investigation and repair recommendations for concrete garage with post-tensioned slabs
- Concrete Tilt-Up Building - Martinez, CA: Investigation and repair documents for partial roof collapse of concrete tilt-up building with wood-framed roof
- Concrete Building - San Francisco, CA: Field investigation and repair recommendations for single-story, concrete building damaged by fire in adjacent building
- Concrete Podium - Santa Clara, CA: Field investigation and repair recommendations for post-tensioned concrete podium after construction fire

Design

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

Facade Access

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

Litigation Consulting

- Steel Fracture Investigation - San Francisco, CA: Litigation support on builder's risk claims
- Multiple Residences - Moraga, CA: Condition assessment of residences uphill of landslide, conceptual stabilization designs, and mediation support for post-landslide litigation
- Parking Garage and Residential Mid-Rise Superstructure - Los Angeles, CA: Litigation support for structural and nonstructural damage claims
- Winery Building - Walnut Creek, CA: Investigation of alleged construction defects at new winery building and retaining wall

Nondestructive Evaluation

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

Historic Preservation

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