



PERSONNEL QUALIFICATIONS

Hayley Proctor | Associate III



EXPERIENCE

Hayley Proctor works on evaluations and analyses of existing structures; failure investigations and condition assessments; seismic evaluations and retrofits; and litigation consulting. Since joining WJE in 2018, she has performed condition assessments and evaluations on a variety of structures, including residential and industrial buildings. Ms. Proctor has also analyzed structures with computer modeling software for a wide variety of materials including steel, concrete, wood, and masonry.

EDUCATION

- University of California, Berkeley
 - Bachelor of Science, Civil and Environmental Engineering, 2016
 - Master of Science, Civil Engineering (Structural Engineering, Mechanics, and Materials), 2018

PRACTICE AREAS

- Structural Analysis/Computer Applications
- Seismic
- Failure/Damage Investigations
- Design
- Nondestructive Evaluation
- Litigation Consulting

REGISTRATIONS

- Civil Engineer in CA

PROFESSIONAL AFFILIATIONS

- Structural Engineering Association of Northern California (SEAONC)

TECHNICAL COMMITTEES

- SEAONC Structural Engineering Engagement, and Equity (SE3), vice chair

CONTACT

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REPRESENTATIVE PROJECTS

Structural Analysis/Computer Applications

- High-Rise Residential Building - San Francisco, CA: Nonlinear analysis of 1920s steel-framed high-rise and repairs for corrosion damage at the exterior
- Miami Marine Stadium - FL: Nonlinear, temperature-controlled, staged-construction analysis of three-dimensional model for cantilevered concrete stadium roof
- Nonbuilding Structure - CA: Nonlinear, time-history analysis of cable-like assembly to evaluate friction wear on components over time
- Warehouse - Brisbane, CA: Analysis of concrete slab-on-grade and driven concrete piles for various subgrade disturbances to assess possibility of damage to both structural and nonstructural components

Seismic

- Residential Structures - Monterey, CA: Design and analysis of replacement gravity and lateral system for residential building, including bid drawings and a cost estimation study
- Unreinforced Masonry (URM) School - San Francisco, CA: ASCE 41 Tier 3 evaluation and retrofit recommendations of interconnected URM (circa 1919) and concrete (circa 1930) structures

Failure/Damage Investigations

- Production Facility - Hayward, CA: Investigation of wooden truss ceiling structures for fractured truss elements and concrete tilt-up wall for out-of-plane movement
- Various Post-Fire Evaluations - Oakland, CA: Field investigations of post-tensioned concrete slabs supporting wood-framed structures damaged by fire

Nondestructive Evaluation

- Facade Access Testing - San Francisco and Santa Clara, CA: Load testing on various components of facade access equipment, including davits, roof davit bases, and fall-protection anchors
- Residential Condition Assessments - San Francisco, CA: Various pre- and post-construction condition assessments of residential buildings, including photo condition surveys and floor-levelness surveys
- San Francisco Piers Ladder Investigation - CA: Assessments of ladder condition and OSHA compliance
- Warehouse - Emeryville, CA: Evaluation and detailing of existing 1950s wooden truss ceiling structure, including identification of fractures