



## PERSONNEL QUALIFICATIONS

### Terrence F. Paret | Senior Principal



#### EDUCATION

- University of Vermont
  - Bachelor of Science, Civil Engineering, 1981
- University of California, Berkeley
  - Master of Science, Structural Engineering, 1985

#### PRACTICE AREAS

- Structural Performance Evaluation
- Earthquake Engineering
- Failure Investigation
- Repair and Rehabilitation Design
- Seismic Risk/Vulnerability Assessment
- Seismic Repair and Retrofit Design
- Structural Analysis/Computer Modeling
- Peer Review

#### PROFESSIONAL AFFILIATIONS

- American Institute of Steel Construction
- American Society of Civil Engineers
- Earthquake Engineering Research Institute
- Seismological Society of America
- Structural Engineers Association of California
- Structural Stability Research Council

#### CONTACT

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#### EXPERIENCE

Since joining WJE in 1986, Terry Paret has performed hundreds of engineering investigations in the United States and abroad, focusing on the evaluation of structures after earthquakes; the prediction of the probable performance of new and existing buildings in future earthquakes; and the design of repairs and rehabilitation to mitigate damage and improve earthquake resistance. He has investigated structures that have been damaged or have collapsed due to natural disasters such as earthquakes and floods and has evaluated a multitude of fire-damaged structures as well as defective or deteriorated structural elements, systems, construction materials, and installations. These investigations also frequently involved assessment of the effects of thermal loading, wind, restraint-to-shrinkage, ground settlement, and dead and live loading.

Mr. Paret's projects have involved high- and low-rise buildings; modern and historic buildings; commercial, residential, industrial, parking, medical, and institutional buildings; and structural systems consisting of steel, concrete, wood, and masonry. Prior to joining WJE, Mr. Paret was a designer of high-rise reinforced concrete buildings in New York City.

#### REPRESENTATIVE PROJECTS

##### Post-Earthquake Damage Investigation

- Washington Monument - Washington, D.C.
- University of Canterbury - Christchurch, New Zealand
- Seiyu Properties - Japan
- Mauna Kea Beach Hotel - Big Island, Hawaii
- Mission San Miguel - San Miguel, CA
- Los Angeles County Civic Center Buildings - CA
- Oviatt Library - Northridge, CA
- Trillium Complex - Woodland Hills, CA
- San Francisco Airport Hyatt Regency Hotel - Burlingame, CA

##### Structural Performance Evaluation

- McGuire Building - Seattle, WA
- Courthouse Square - Salem, OR
- Modesto Irrigation District - Modesto, CA
- Columbia Center - Seattle, WA

##### Failure Investigation

- I-35W Bridge Collapse - Minneapolis, MN
- Interstate 5 Tunnel Fire - Santa Clarita, CA
- San Quentin Seawall - San Quentin, CA
- MacArthur Maze I-580/880 Collapse - Oakland, CA
- Interstate 40 Bridges - CA

##### Seismic Risk/Vulnerability Assessment

- Washington Monument - Washington, D.C.
- United Nations Secretariat - New York, NY
- Gressette Building - Columbia, SC:  
Assessment of state senate office building
- Critical Care Facility - San Francisco area
- Anchorage International Airport - AK
- U.S. Department of State: Assessment of buildings in China, Kazakhstan, Kyrgyzstan, Uzbekistan, Turkey, Algeria, Jordan, and Japan

##### Seismic Retrofit Design

- Hibernia Bank Building - San Francisco, CA:  
Performance-based seismic retrofit
- Sherith Israel - San Francisco, CA:  
Performance-based seismic retrofit
- State Bar Building - San Francisco, CA:  
Performance-based seismic retrofit
- Clorox Building - Oakland, CA:  
Performance-based seismic retrofit
- Bayshore Mall - Eureka, CA:  
Performance-based seismic retrofit