
Sean Fraser, S.E., P.E. | Senior Forensic Engineer

1172 National Drive, Suite 100, Sacramento, CA, 95834

510.410.8471

sean.fraser@efiglobal.com

Professional Summary:

Mr. Fraser is a licensed professional engineer and structural engineer with over 25 years of experience in structural engineering. He has designed over 100 commercial/healthcare/higher education/residential buildings, constructed of steel, concrete, wood, and masonry plus multiple residential/commercial/higher education/healthcare structural modifications and seismic retrofits. His design experience ranges from deep foundations for (2) 500,000 sq foot multi-story office buildings located in Mountain View, CA to a vibration sensitive auditorium in the DeYoung Museum located in San Francisco Golden Gate Park, to the adaptive re-use/seismic retrofit of a 8-story brick hotel originally constructed in the early 1900s to affordable housing use in Sacramento, California. Sean has completed forensic investigations in the following topics: fire investigation and recommended repair plus water intrusion. As a forensic engineer, Sean covers investigations in California San Francisco Bay Area.

Licenses and Certifications:

Professional Engineer, CA, #C61843

Structural Engineer, CA, #S5042

Project Experience:

EFI Global, Oakland, California
Water Intrusion Assessment

Evaluated source and cause of water intrusion for a 2-story mixed use building in Oakland, California.

EFI Global, Vallejo, California
Fire Damage Assessment

Fire damage assessment of a single-story residential building. Determined the extent of structural and non-structural damage plus scoping report to assist with cost estimation of repair.

Miyamoto International, Sacramento, California
Seismic Retrofit and Tenant Improvement of Capital Park Hotel

Structural Engineer of Record (SEOR) for the seismic retrofit and tenant improvement of an 8-story historic hotel with existing un-reinforced brick masonry bearing walls and heavy timber floor framing.

Miyamoto International, San Francisco, California
4101 3rd Street apartment building

Structural Engineer of Record (SEOR) for the new structural design and construction of a 5-story apartment building on a challenging triangular shaped lot.

KPFF Structural and Civil Engineers, Santa Clara, California
Seismic Retrofit and Tenant Improvement of two historic blimp hangers

Project manager for the analysis and design of seismic strengthening of the existing structural steel clamshell door connections and foundations for an existing steel framed historic blimp hanger. Project manager for the analysis and design of seismic/gravity strengthening of multiple existing timber catwalks in a existing timber framed blimp hanger.

KPFF Structural and Civil Engineers, Santa Clara, California
Google Caribbean Office Complex

Project manager for the structural analysis, design, and contract documents for concrete pile and supported slab foundation for two 500,000 square foot new office buildings.

Rutherford and Chekene, Pleasant Hill, California
Diablo Valley College Student Services Building and Commons

Project manager for the structural analysis, design, and contract documents for design of 2 steel framed 200,000 square foot new community college buildings.

Rutherford and Chekene, San Francisco, California
DeYoung Museum

Staff engineer responsible for the structural analysis, design, and contract documents for design and floor vibration mitigation strategy for the ground floor auditorium structure.

Professional Experience:

EFI Global, Senior Forensic Engineer, 2024
Miyamoto International, San Francisco, Associate Principal, 2019 – 2023
KPFF San Francisco, Project Manager, 2014 – 2018
Rutherford & Chekene, Project Manager, 2010-2014
Rutherford & Chekene, Staff Structural Engineer, 2001-2010
Rinne & Peterson Structural Engineers, Staff Structural Engineer, 2000-2001
AECOM San Francisco (previously URS Greiner Woodward Clyde), 1997-1999

Education:

Bachelor of Science, Civil Engineering, University of California, Davis, California, 1997

Affiliations:

Structural Engineer's Association of Northern California

Courses Instructed/ Guest Lecturer:

The Advantages of Earthquake Instrumentation of Structures for Insurance Adjusters
The Myth of the Earthquake Proof Building
Earthquake Performance of Buildings Designed using the California Building Code