



PETER SARKIS, S.E., MBA

As a Principal of Petra Structural Engineers (PSE), Mr. Sarkis is responsible for all aspects of client contact, establishment of fees and schedules, supervision of engineering and drafting personnel, project design and production, overall project coordination, and construction administration. Mr. Sarkis is a licensed structural engineer (S.E.) that has over 23 years of experience as a project manager.

Below is a sampling of some projects Mr. Sarkis has managed:

613 Rose Avenue • Los Angeles CA (2014) Provided construction documents for a 3 story mixed use project over subterranean podium parking. The subterranean parking required shoring of existing structures and building close to property lines with an eccentric shoring system. The podium deck is design to support a steel and masonry structure that will be supporting light framed timber apartments.

1019 Market Street, San Francisco, CA (2013) Structural evaluation and retrofit of a 75,000 sf historical building constructed circa 1909 and located at 1019 Market Street in San Francisco, CA.. Our scope of work also included the addition of a second floor, new mechanical platform on the roof, repair of the historical terra cotta façade, repair of existing damaged beams and columns, and the addition of a new entrance façade

Kaleidoscope Shopping Center • Mission Viejo, CA: Structural modifications to a 44,000 square foot tenant space at the Kaleidoscope shopping center from a retail space into a gymnasium (\$ 4.9 Million). The scope of services entails excavating the loading dock area (removing slab and grade beam) to provide space for a pool, spa and elevator. Opening the slab at the upper level to provide the space for an elevator and stair.

Servite High School, Ongoing • Servite, CA (2014): Designed a new aquatics center and baseball complex for Servite high school. The 4,600sf aquatics center's site work included the perimeter site wall (CMU), gates and ornamental fences as well as it being built along with a perimeter fence wall with scoreboard. The 3,700sf baseball complex comprised of a storage room, team room, press box with dug outs and restrooms, batting cages, bullpens, and bleachers.

Costa Mesa Performing Arts Centre • Costa Mesa, CA (2012): Provided construction documents for a new 27,000sf performing arts center for the Costa Mesa Union high school district. The design included 45ft tall masonry walls for the main auditorium, a curved glass entry façade that wrapped around the building for signage, 100ftx80ft auditorium open space with suspended catwalks and light rigging as well as music rooms, rehearsal rooms, black box room, and other miscellaneous amenities.

Driftwood Kitchen • Laguna Beach, CA (2013): Retrofitted and renovated the old Beach House restaurant in Laguna Beach. The building is a craftsman style (5,800sf) that has been exposed to weather and needs repair. PSE accounted for the historical aspect of the structure as well as coastal commission requirements

Education:

MBA (2005)

University of California,
Los Angeles

MS Civil Engineering (1997)

University of California,
Los Angeles

BS Civil Engineering (1996)

Ecole Special des Travaux
Publics, Paris, France

Professional registrations:

Structural Engineer: California

S.E. 5038

Civil Engineer: California C.E. 64547

Out of state registrations:

NM, NV, OR, UT

Other:

Structures Specialist,
California Task Force 2
(CATF2) Urban Search and
Rescue.



- **Residential:**

The Beacon • San Francisco, CA (2004): 1.3 million square feet of mixed use construction comprised of eight concrete buildings ranging from fifteen stories to seven stories over a subterranean parking structure and plaza with 950 covered parking spaces.

UCLA Northwest Housing • Los Angeles, CA (2003): \$200 Million construction budget of three nine story concrete residential towers. The slab were designed to be 7” thick mild reinforced to allow the building to be under the high rise threshold and limit cost of fire protection.

Villa Sienna Apartments • Irvine, CA (2004): Designed 4 of the buildings in the Villa Sienna Apartment complex. These buildings were 4 story wood structures over podium slab and 2 levels of parking.

Irvine Spectrum Apartment Complex • Irvine, CA: Designed 2 of the buildings in “The Village at Irvine Spectrum Centre”. These buildings were 4 story wood structures over podium slab and 2 levels of parking.

- **Renovations and Upgrades:**

Hotel La Jolla: Upgrade of the first floor of the hotel to accommodate a restaurant, construction documents were developed and approved by the city. The design included removing most of the bearing walls and shear walls at the Southern and of the first floor of the 11 story hotel.

1019 market Street, San Francisco, CA: Renovation and seismic retrofit of a 75,000sf (7 story) unreinforced brick building on Market Street constructed in 1909. The seismic retrofit was fine tuned to meet probable maximum loss insurance requirements while minimizing the cost to the owner.

Pacific Edge Resort: Conceptual upgrade and renovation of ten buildings throughout the resort located in Laguna Beach, CA as well as the addition of two new buildings and a partial subterranean parking structure. The design was coordinated in such a way to limit down time and traffic at the resort and on PCH

Pacific Electric: Seismic retrofit and upgrade of the Historic Los Angeles downtown street car terminal, located on 6th and Main into loft residences. The building is a nine story unreinforced masonry structure with a two story entry Rotunda.

Pegasus Building: Seismic retrofit of the headquarters of Mobil Oil into 300 apartment units. The building is a 12 story non-ductile concrete structure located on Flower and Wilshire in downtown Los Angeles.

Gas Company lofts: Seismic retrofit and conversion of the Southern California Gas company buildings to lofts. Retrofit of three buildings constructed between 1924 and 1959. Each building is constructed of different material, concrete, steel and unreinforced masonry.

Pacific Village Center: Seismic retrofit of a four story 1981 wood and steel office building in Pacific Palisades. The retrofit had to be completed while the building was in use.

Mount Miguel Classroom renovations: Structural renovation and upgrade to current code of an “L shaped” school structure, located in Spring Valley, CA

Torrance Memorial Medical Center: Seismic retrofit of a nine story non-ductile concrete tower. The design included fiber reinforcing the roof slab, adding drag beam along the perimeter and steel braced frames at the end



Broadway Lofts: Conceptual upgrade of a historic downtown Long Beach building into residential lofts, the upgrade included introduction of a new concrete podium and light gauge two story apartment building. The historical aspect of the building required the façade to remain in place and be retrofitted in place

The Van De Kamp Bakery: Seismic retrofit of the historical three story timber and steel structure with non-ductile concrete façade. The retrofit kept the façade in place and upgraded the building to DSA (public school) seismic standards

Academy of Motion Pictures (AMPAS): Seismic upgrade of the historical CBS recording studios on Vine Street in Hollywood. A PML analysis was performed and a targeted retrofit conducted to lower the building's vulnerability. The building now houses AMPAS film archives and prescreening theaters for the Oscars.

SCIARC: Seismic upgrade of the historical (quarter mile long) Santa Fe freight depot in downtown Los Angeles into the home of the Southern California Institute of Architecture.

The Atrium Hotel: Performed a PML analysis of the hotel located in Santa Ana, CA and conducted a conceptual targeted retrofit to meet PML requirements by the owner

- **Commercial:**

LA Fitness. Mission Viejo, CA: Structural modifications to a 22,000 square foot tenant space at the Kaleidoscope shopping center from a retail space into a gymnasium. The scope of services will entail excavating the loading dock area (removing slab and grade beam) to provide space for a pool, spa and elevator. Opening the slab at the upper level to provide the space for an elevator and stair. Detailing glass block walls and interior 26 foot tall partitions as well as various intricate soffits and equipment anchorage.

Orchard shopping Center. Lake Forest, CA: Tenant improvement work at the center. The improvements included remodeling one Major tenant space into two spaces. The scope of services included opening up existing shear masonry walls, removal of the entrance canopy and addition of two new entrance canopies and remodeling of the colonnade and the façade.

- **Institutional:**

Costa Mesa High School Performing Arts Center, Newport Mesa Union High: Structural engineering services for the design of a new 23,000 sf performing arts center for the Newport Mesa Union high school district. The design includes 45ft tall masonry walls for the main auditorium, 100ftx80ft auditorium open space with suspended catwalks and light rigging as well as music rooms, rehearsal rooms, black box room, etc. The building will also include a 30ft tall entrance glass lobby and a curved glass screen frame

Hull Middle School: \$22 Million construction budget of a new middle school with three single-story wood classroom buildings, an administration building, a multipurpose building, and a gymnasium. Torrance Unified School District, CA.

Fern Elementary School: \$14 Million construction budget of a new elementary school with multiple two-story classroom buildings and a multipurpose building. Torrance Unified School District CA.

LAUSD South Region High School #12 : \$70 Million construction budget of a 225,000 square foot high school campus for 2,025 students with multiple four-story steel small learning communities, a two-story masonry administration and library building, a gymnasium and multipurpose masonry buildings over a concrete parking structure, a food service building, and a lunch shelter. Los Angeles Unified School District, CA.