

A large, stylized green 'X' graphic is centered on the page. It is composed of thick, rounded strokes. The background is white with a light green vertical bar on the left and a light green vertical bar on the right, both partially obscured by the 'X' strokes.

PORTFOLIO:

COMMERCIAL & BEYOND

DESIGN AND CONSTRUCTION | ANALYTICS | EVALUATIONS | REHABILITATIONS | RETROFITS

**NABIH YOUSSEF
& ASSOCIATES**

Structural Engineers

The Vault
Trojena, NEOM, Saudi Arabia

NEOM is intended to be a unique regional development consisting of a large complex of residential, hotel, retail, and resorts. The year-round destination will feature natural preserves, recreational activities and health and wellness facilities. NEOM Vault, the largest element of the master plan, will serve as the heart of the NEOM Mountain.

The man-made canyon will serve as an arrival destination within the mountain region, carved away from the existing mountains in between neighboring peaks to create an immersive space. It will provide visitors with a unique experience in a shaded microclimate setting, providing views of NEOM Mountain Lake to the east and the Gulf of Aqaba to the west. Access to the Vault takes visitors through a 4.8 km tunnel. NEOM Vault will house hospitality centers, food and beverage opportunities, entertainment facilities, a visitors' experience center, nature vistas, vibrant urban environments, and green relaxing areas, all set within a man-made canyon.

The cantilevered structure of NEOM Vault has a total length of approximately 804 meters, a roof span of approximately 253 meters, an interior width of approximately 120 meters at the center, and an approximate height of 112 meters. The north and south sides are connected by five bridges, allowing access to different vault levels. The parks and public access areas of NEOM Vault consist of approximately 87,000 m² of central park. As a major mobility hub, the Vault shuttles visitors through a tunnel system to trains running to the destination of their choice.

The project's massing is topologically defined by a "saddle" surface (paraboloid geometry), and spatially defined by two open sides: one looking down towards the East, and the other side opening to a picturesque view in the West of NEOM Lake and ski slopes. Around 237,000 m² of GFA is a variety of residential accommodations, leisure, and functional services adding up to a total of 1,437 keys. The 5 pedestrian bridges span from one wall to the other and enable circulation across the void.

NEOM Vault is scheduled for completion and opening during Phase 02 of the NEOM Mountain Masterplan timeline and would serve as the keystone for the Vault District, which is comprised of the NEOM Lake, Lake Village, Enchanted Forest, Neon Hills, and more.

We understand an aggressive schedule is critical to the project success and unusual efforts will be required from all parties to meet the timeline.





The Rise (Vallco) Cupertino, CA

NYA is designing the structural systems for this new development, consisting of 12 stand-alone low, mid, and high-rise structures, totaling over 8 million square feet of office, residential, hotel, parking, and entertainment space. The structures consist of precast, cast-in-place concrete and structural steel construction. A distinguishing feature of the project is a 30-acre green roof, which blankets each building and links adjacent structures. The green roof is supported by a base isolation system located on top of the buildings. The isolation system allows the massive park to seismically dampen out the response of the buildings below, resulting in significantly reduced seismic demands in the buildings, while increasing seismic performance and resiliency for this iconic development.



**Apple Campus 2, Phase 1
Peer Review, Phase 2 SEOR
Cupertino, CA**

Nabih Youssef served as the Structural Plan Reviewer for the Apple Campus 2 - Phase 1 project and is currently serving as the Structural Engineer of Record for the Apple Campus - Phase 2 project along Tantau Avenue. The campus will consist of a 300,000 sf Office Building, a 225,000 sf Testing Facility & Labs, a 10,000 sf Visitor's Center and a 20,000 sf Multi-Media building.





Sony Scenic Arts Adaptive Reuse Culver City, CA

Located on the Sony Pictures Studio lot in Culver City, this adaptive reuse project consisted of the renovation of the existing two-story Scenic Arts building and the addition of a multi-level office and event space to the west. The goal of the project was to preserve as much of the Scenic Arts Building as possible, which was constructed in 1928 to display the large, hand-painted images which were used as backdrops in films of that era, while reimagining it as a more functional space.

The renovated Scenic Arts Studio connects to a 48,000 square foot addition, which houses production offices, a wardrobe studio, a production hardware store, and a venue for hosting live audience productions, as well as 18,000 square feet of storage space.



**La Jolla Commons
San Diego, CA**

NYA provided structural engineering services for LA Jolla Commons II and III towers. The second tower has 430,000 square feet of leasable floor space in a 13-story tower that was built-to-suit for the tenant. The tower is the second on the owner's property. The ground floor features a 2-story lobby, cafeteria with terrace dining, fitness center, and conference space. Two levels below grade offer 130+ parking spaces as well as building support spaces. The project also includes a separate surface plus below grade parking structure for 700+ parking spaces. The construction of the tower is cast-in-place concrete two-way slabs supported by exterior columns and core shearwalls. The slabs span 30 feet in the short direction and 40 feet in the long. Slabs were designed using CSI's SAFE with long-term deflections being a critical aspect of the design. Upward camber of the slab on the order of 2-1/2" helps to provide a high level of serviceability.



**Century City Center & CAA
Buildout
Century City, CA**

Century City Center is a 569-foot-tall tower featuring 730,000 square feet of office space with additional retail, restaurant, and fitness space. Each building orientation is designed to maximize office views, increase both natural light and comfort and minimize heat and energy consumption. Century City Center is designed as Los Angeles' premier environmentally sustainable high-rise office building targeting LEED-Platinum certification. Embracing the virtues of Southern California's climate and landscape, the dramatic two-story lobby is wrapped in high-performance floor-to-ceiling glass with outdoor materials, paving and landscape blending with the light-filled interior. The outdoor Metro transit plaza is a contemporary garden environment ringed with retail amenities and low-rise creative office space. The 37-story tower provides Class A corporate office space with supporting retail, dining and other amenities. The ground floor features private access screening rooms with the latest technologies for the anchor tenant. Two acres of gardens and courtyards cover the entire two-story above-ground 1,500 vehicle parking structure with social lounge, conference center and gymnasium.



Hercules Campus Playa Vista, CA

Nabih Youssef and Associates provided PML Reports, Feasibility Studies, Structural Repairs and a Voluntary Seismic Upgrade for The Ratkovich Group after their purchase of the historic Howard Hughes Aviation compound, which includes the Spruce Goose Hangar, multiple smaller hangars, warehouses, and support buildings. NYA provided structural drawings for the tenant improvement portion of the project for building 1, 2, and 3 as well as structural drawings for the sitework including exterior decks, retaining walls and walkways.

Building 1 – (Hughes Admin Offices) 72 and Sunny

We provided a voluntary seismic upgrade to the existing two-story steel truss moment frame structure as well as modifications to the core and shell which included new exit stairs, elevator, mechanical roof screens, and skylights. Tenant Improvement structural scope included a new interconnecting stair with a single support column and light gauge framed “living” wall.

Building 2 – 72 and Sunny

We provided voluntary seismic upgrade to this two-story wood frame office building as well as modifications to the core and shell which included new exit stairs, elevator, and pop-up roof lanterns. Tenant Improvement structural scope included a new amphitheater and free-standing light gauge framed conference rooms.

Building 3 – Earthbound Media

We provided a voluntary seismic upgrade for this one-story wood framed industrial building. A new second floor mezzanine supported on cantilever steel columns, seismically separated from the exterior building was added to create a new creative office space.

Building 10-11 (Cafeteria) – Konami

We provided voluntary seismic upgrade and core and shell renovation to the one story (with partial second stories) wood framed structures. Structural modifications included new canopies, roof screens, new roof lantern.

Building 14 – 15 (Spruce Goose Hangar) – UCLA

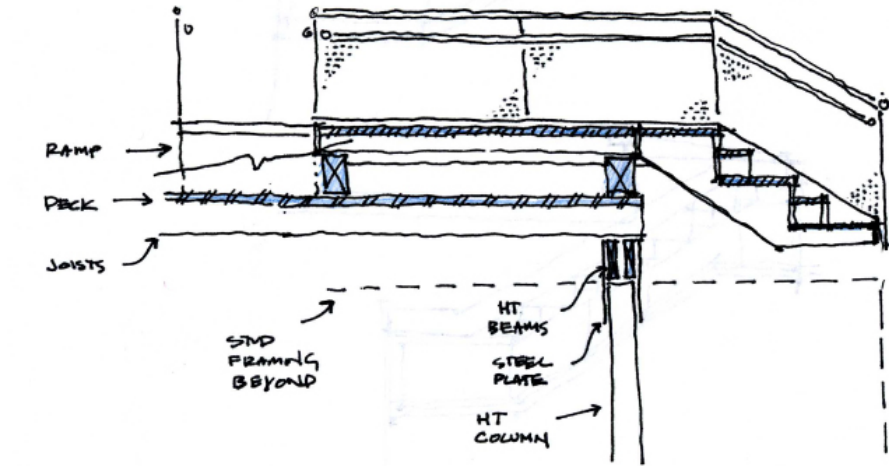
We provided voluntary seismic upgrade using an elegant retrofit approach that could be constructed over the period of a single weekend, enabling UCLA to occupy the space on very short notice.

Building 17 – Google/You Tube

We provided a voluntary seismic upgrade to the one story steel truss moment frame and braced frame warehouse structure. Core and shell modifications included a new elevator, exit stairs, mechanical roof screens, and exterior canopies.

Building 18 (Fire Station) – Konami

We provided voluntary seismic upgrade and core and shell renovation to this one story wood frame structure. Core and shell modifications included new exterior canopies and support framing for exterior glass walls.



**Netflix ‘EPIC’ Offices
Hollywood, CA**

NYA provided structural design services for 5901 Sunset Blvd, a 15-story creative office tower development with ground floor retail. A 6” raised access floor system for all the office levels is the horizontal distribution of MEP and Data systems. The typical floor heights in are an ample 15ft for maximized daylight from exterior windows. A rooftop mechanical penthouse encloses the major mechanical equipment for the building, with large areas open and long-span construction for maximum ventilation and flexibility for the equipment. There is an outdoor mezzanine within the penthouse.



**Genentech HQ
San Francisco, CA**

The 3, 5-story, steel framed office buildings serve as the corporate headquarters for Genentech. The buildings were constructed around a circular plaza atop the bluff on the Genentech campus in South San Francisco and overlook the San Francisco Bay. The circular form resulted in geometrically complex floor plans. The lateral systems consisted of special steel moment resisting frames. In addition, on Genentech’s west campus, NYA provided structural engineering for the new set of steel framed office buildings with special steel moment resisting frames on a complex, sloping site.



**Pier 70
San Francisco, CA**

Located along the waterfront of San Francisco, the Pier 70 development was originally owned and operated by Bethlehem Steel Works, and Union Iron Works and used as a shipyard. The site is currently undergoing seismic upgrades and stabilization so the existing structures can be re-used for creative office space, light industrial and retail use. A new second floor is being added to buildings 14, 113, 114, 115 and 116. The new floor will assist in stabilizing the existing structures and will provide a significant amount of additional useable space. Seven buildings are currently under construction.



**SB Omega & Hill Tower Lofts
Los Angeles, CA**

NYA provided structural engineering services for two high-rise towers located at 6th & Main and 9th & Hill Street. The first is a 38-story, 382’ above grade, mixed-use, residential tower with approximately 452 private residences with balconies, or 12 units per floor. A landscaped roof deck and pool/spa area will be located at level 38 along with 2-story penthouse units. Ground level commercial space, above grade and subterranean parking will be available. The second tower is a 33-story, 332’ above grade, mixed-use residential tower with 239 units. Similar amenities, parking and ground-level commercial spaces are included.



**12777 Jefferson
Playa Vista, CA**

Nabih Youssef & Associates provided full structural design services for the new three-level creative office building in Playa Vista, CA. The lower two levels of the building are flat-plate cast-in-place concrete floor construction, while the roof over the top level is framed with exposed timber construction using heavy timber joists and girders with exposed flat 2x decking.



**Facebook HQ, The Brickyard
Playa Vista, CA**

Nabih Youssef & Associates provided full structural design services for this state-of-the-art, Michael Maltzan designed creative office space designed for a tech-forward client with flexibility and privacy in mind. Referred to as ‘The Brickyard’ and located at Parcel 1 and 2 the project consisted of one 346,000 SF 5-story building on Parcel 1 and another 124,000 SF 5-story building on Parcel 2.

The Jewel Box, Gensler Offices

Los Angeles, CA

NYA provided structural engineering services for Gensler’s new office located at City National Plaza in Los Angeles. The project consisted of three components: a new mezzanine structure, a 3rd floor opening and a new roof skylight. The existing space went from two floors to three by adding a steel mezzanine level (11,200sf) that is hung from the top floor. The gravity system consisted of lightweight concrete filled metal deck, spanning to Wide Flange beams. The beams are supported by High Speed Steel hangers off the long-span story trusses above the 1st floor with direct connections to the existing building columns.



LA Live Hotel & Residences

Los Angeles, CA

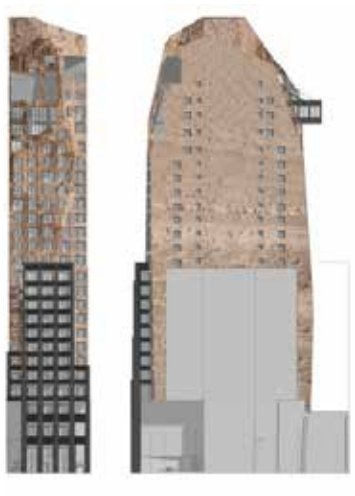
At the forefront of mixed-use high-rise buildings in downtown Los Angeles, the 55-story Ritz-Carlton Hotel and Residences and JW Marriott Hotel at LA Live stands alone as a profound success of performance-based structural design at its highest level. Not only architecturally modern, the hotel tower takes full advantage of a leading edge structural steel lateral force resisting system, comprised of un-stiffened thin steel plate shear walls (SPSW). It is the first high-rise to use this technology in California. The hotel tower also consists of steel moment frames, Buckling Restrained Braces (BRB), mid-height outriggers and cap trusses.



The Trademark & Park 5th Tower

Los Angeles, CA

The Park 5th project is a new urban mixed-use development consisting of 660 residential units, retail and underground parking in Downtown Los Angeles. The site is bounded by W. 5th Street, S. Olive Street and S. Hill Street, directly across from Pershing Square. The mid-rise portion of the project, known as ‘The Trademark’ will consist of a 7-story building, with 5 stories of wood-framed residential levels above a concrete podium containing retail, parking and additional residential. The high-rise portion known as ‘Park 5th Tower’ will be a 23-story concrete residential tower, with ground level retail space and a rooftop pool/amenity area.



3033 Wilshire and Crescent Heights

Los Angeles, CA

The Wilshire Blvd project consists of one 18-story mixed-use Type I residential and retail building of 190 units and 5,540 sf of retail on the ground level with four levels of above-grade parking situated in the mid-Wilshire area of Los Angeles. The Crescent Heights residential mixed-use project contains a 21 story apartment building consisting of 158 residential units with four levels above grade parking and two and one-half levels below grade parking with approximately 364,000 sf plus 36,000 sf of exterior open space. Additionally, a 50’ x 125’ community park is included in the development.

Shoreline Gateway

Long Beach, CA

The project consists of two towers, the 18-story West Tower and the 35-story East Tower, both residential apartments with subterranean parking situated on a 1.4 acre site in Long Beach. NYA provided structural engineering services for this 500,000 sf property. The project includes street level amenity and retail space and parking on 2nd through 3rd levels with landscaped amenity deck on 4th level. Central elevator/stairwell core tower configuration above 4th level with a 19,400 sf average floor plate. A pool amenity deck is located on the 16th floor.

Lizard Hotel

Los Angeles, CA

The Lizard Hotel was designed to be a 30- story, 340’ tall boutique hotel tower within the historic core region of Downtown Los Angeles on Spring Street. The tower was nestled on very narrow 60’ wide site, nestled between two existing mid-rise historic building with protected murals painted on the currently exposed neighboring buildings. The tower structural system was a two-way concrete post-tensioned slab on concrete columns and a mat foundation. A central concrete corewall designed with a performance based design approach, includes sloping columns to maximize floor space.

**UCLA Gayley Heights
Apartments
Los Angeles, CA**

The UCLA Gayley Heights project is in the southwest campus area, adjacent to the Westwood neighborhood. The building provided a total of 1,167 new student beds and was part of a multi-project effort by UCLA to increase housing options for their growing student population. The building is 17-stories tall for the majority of the floor plate. However, a portion of the building is 9-stories tall, reducing the building massing to fit within the adjacent neighborhood. Flat-plate, post-tensioned concrete floorslabs were utilized to accommodate the various cantilevered building edges and longer spans between columns, while also minimizing structural weight. A large cantilevered concrete retaining wall runs along two sides to support the property. This wall is up to 35' tall and was designed to support the adjacent buildings, with only minimal horizontal movements being allowed in the wall.



**UCLA Olympic & Centennial
Residence Halls
Los Angeles, CA**

NYA served as the SEOR for this new student housing development in the northwest area of the UCLA campus. Constructed on a steeply sloping site on the northwest edge of the UCLA campus, the project included two separate buildings, Olympic & Centennial Residence Halls, consisting of concrete and flat-plate construction and ranging in size from 8-10 stories. The completed residence halls provide a total of 1,793 beds and feature a 3-story commons area with a “maker space” lab, and a steel-framed, long-span pedestrian bridge.



USC University Village Los Angeles, CA

NYA provided structural design services for the new 1.25 million square foot residential-retail center on a 15-acre site north of the USC campus. The project features five separate 5-story mixed-use housing and retail buildings, along with a central plant facility. This expansion provides living space for approximately 2,700 USC undergraduate and graduate students over 663 units.

The Village represents a significant investment in strong campus culture, creating a living/learning community to give students ample opportunities to learn, grow and promote emotional well-being. The master planning was based on the belief that a strong social support network is the most consistent indicator of academic success. The mega project includes study rooms, lounges, classrooms, retail, and outdoor spaces, providing a vibrant, supportive environment that encourages continuous learning, engagement and the development of lasting connections both in and out of the classroom.

Directly to the north of USC's central campus, the Village is a natural extension of the throughline of Truesdale, central to university life. The complex is linked by a large pedestrian crossing, formalizing the well beaten path of students crossing Jefferson to access housing, retail, restaurants, and Greek culture. Wide, brick-lined pedestrian walkways, multiple points of entry and superb public transportation encourage interconnectivity between the main campus, the Village, and the local community. The Village's outdoor areas, restaurants, and retailers are available to all students, faculty, staff, and local residents. This inviting area creates an inclusive and welcoming gathering space, while carefully considered security precautions ensure the safety and comfort of residents and visitors alike. This mix of community gathering space, education, housing, and retail is a blueprint for future campus life.



UCSD Village II North Campus Housing San Diego, CA

Completed 11 weeks early, this student housing Design-Build project was the second phase of UC San Diego's North Campus student housing project. Set in a confined site within an active part of campus, the project includes a 12-story residential tower, four 5-story low-rise sustainable apartment buildings, and two 2-story steel retail buildings, including a market and café. All buildings are connected by a common pedestrian walkway called "The Strand."



Poly Canyon Village Apartments San Luis Obispo, CA

Set on 30 acres, Poly Canyon Village is a residential housing community made up of 9 four-to-five story Type V residential apartment buildings. The 618 furnished apartment units surround a central plaza with food and retail stores, conference and seminar rooms, recreation center with swimming pool, study rooms, full kitchen, laundry units, and two parking structures. This Design-Build development was created in partnership with Clark Construction and Niles Bolton Associates.





UCSF New Hospital at Parnassus Heights San Francisco, CA

Designed by Herzog and de Meuron, the New Hospital at Parnassus Heights will be a 900,000 sqft \$4.2B 16 story tower with two additional basement levels. The tower is located on a highly constrained site bounded by city streets and the existing Moffit and Long hospitals to the West. A network of cantilevers expands the envelope of the building beyond the perimeter columns. These constraints have produced a structure with unique and impressive geometry. The new tower is seismically independent from the existing Moffit and Long hospitals. Flexible connections allow connectivity between the new and existing buildings.

The lateral force resisting system is a special steel moment resisting frame using SidePlate connections supplemented with fluid viscous dampers. The moment frames and dampers are distributed throughout the plan based on architectural constraints and programming limitations. Nonlinear modeling of the fluid viscous dampers and PBD were used to validate the structural system.





New Stanford Hospital Palo Alto, CA

Designed by Rafael Viñoly Architects the 850,000 sqft, \$1.5B replacement hospital is located on the Stanford University Campus. Stanford wanted the architectural and structural systems to allow for modularity and future flexibility, therefore, the building consists of four 120 ft square patient pods that spring up from a three-story podium. Additional pods can be added relatively easily in the future should hospital opt to expand.

The seismic system for the seven story structure is a steel moment frame with base isolation. The program consists of 300 patient rooms, an imaging suite, operation rooms, eatery, public gardens, a column-free atrium and a new helipad.



Broad Museum Los Angeles, CA

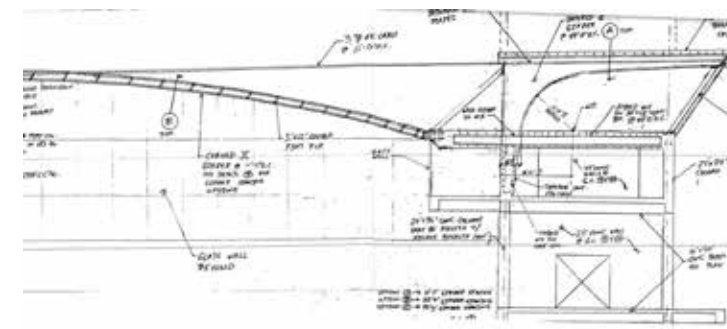
NYA is the Structural Engineer of Record for this Los Angeles landmark designed by Diller Scofidio + Renfro in Downtown Los Angeles. The museum and parking garage is a 6-story, 110' tall structure occupying a city block at Grand Ave. & 2nd St. and enclosing about 250,000 SF. Typical floors are two-way concrete slabs spanning to concrete columns sitting on a mix of spread footings and belled caissons. The lateral system is a special reinforced concrete shear walls with long perimeter walls on the north & south sides of the building and short buttressing walls in the opposite direction.



Cleveland Museum of Art Addition Cleveland, OH

NYA worked in conjunction with Rafael Viñoly Architects to undertake the renovation and expansion of the 1916 Cleveland Museum of Art. The central addition is a 32,000 square foot, column free piazza covered by an atrium skylight constructed of steel and glass. The center point of the museum, gallery wings flank both sides of the piazza and culminate in fully transparent, glazed galleries and pedestrian bridges.

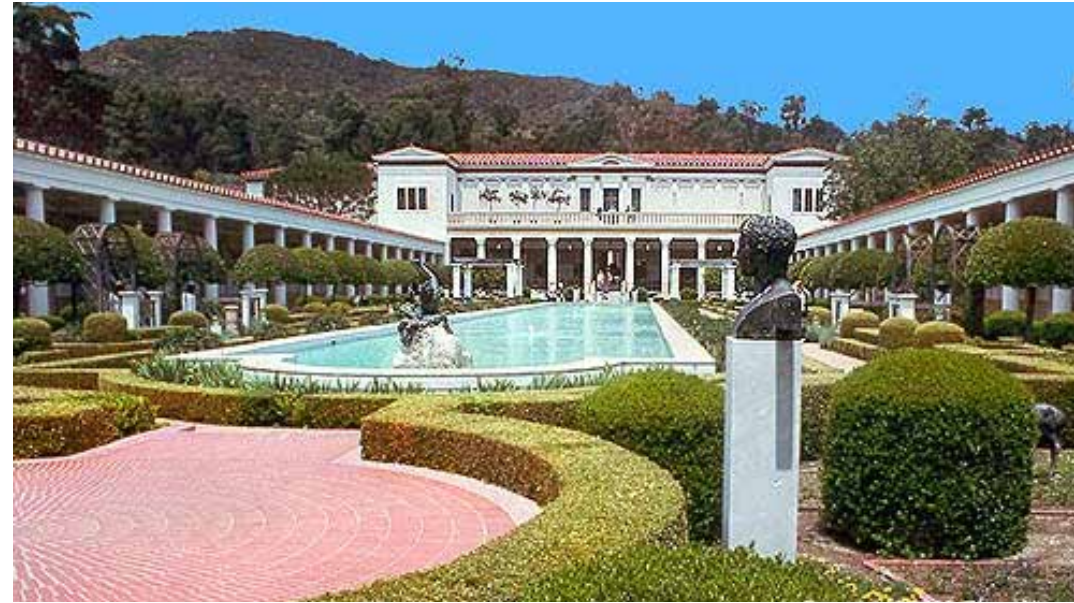
The cantilevered glass atrium structure is designed to shed huge amounts of water without leaking, carry 30 inches of snow if necessary, and admit light into the heart of the museum complex without damaging artwork.



J. Paul Getty Villa and Museum Restoration and Renovation Pacific Palisades, CA

Architects Machado Silvetti designed a hillside arrangement of new buildings for the renovation and expansion of the Getty Villa. This museum, devoted to the conservation of art and study of Greek, Roman, and Etruscan cultures, harmonizes modern architecture with Roman-style architecture. The \$150m transformation involved converting the existing site into a new center for the study of classical antiquities, archeology, and comparative ancient cultures. One goal of the new construction was to create outdoor plazas and indoor spaces resulting from an excavation of the existing museum, revealing layers of earth, or strata, that formed the basis of design. The aesthetic desire was to create concrete walls and floors that appeared as if they were part of the stratum.

NYA also provided seismic strengthening of the existing museum and added more natural light to the interior. Sizeable relics were added along the walls, and on the top floor to preserve the exterior detail work, as well as artwork. Major pieces were base isolated





Skirball Cultural Center Los Angeles, CA

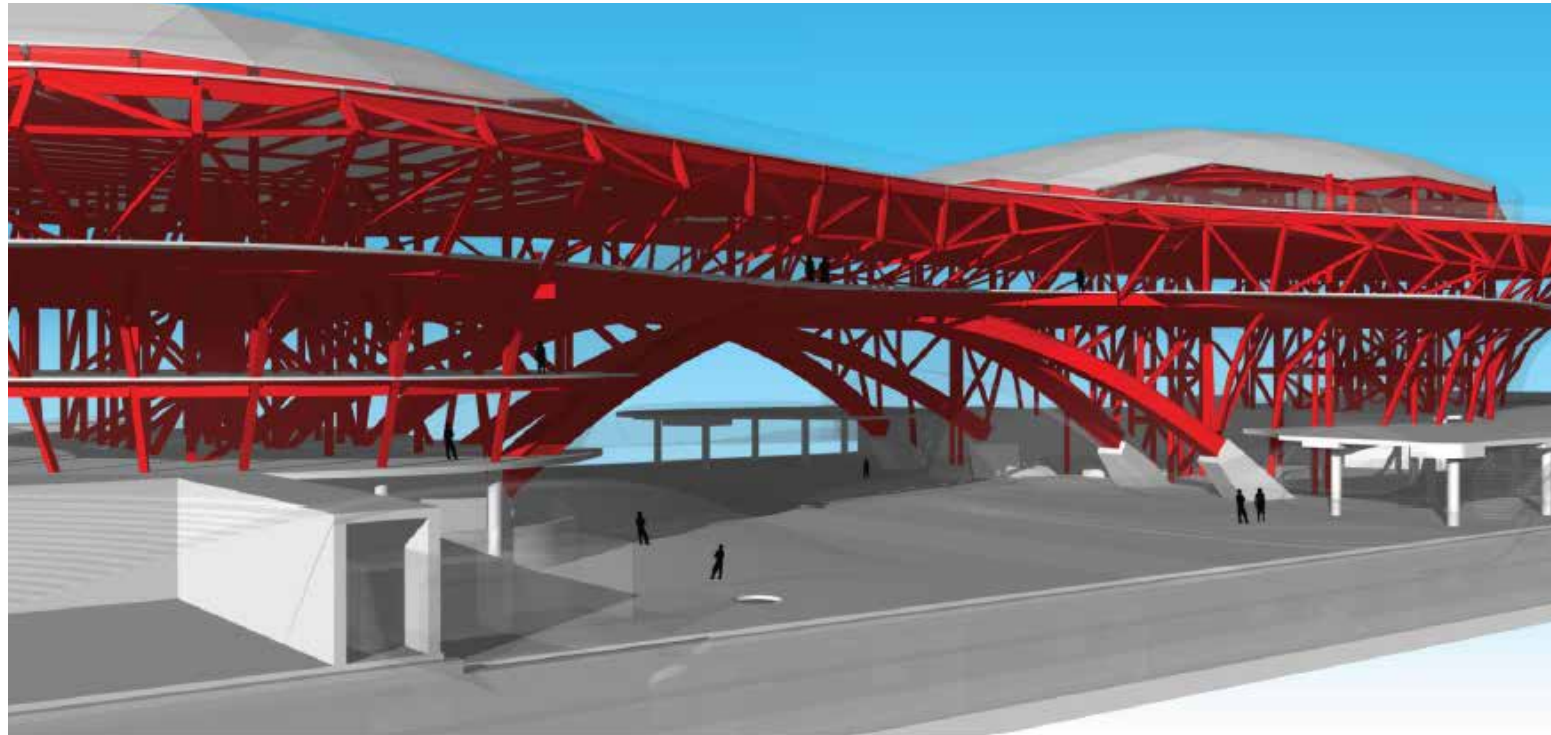
Working with Safdie Architects and Olson Kundig Architects, NYA provided structural engineering and design for the expansion of the Skirball Cultural Center. The museum was designed as a dam to restrain possible mud slides. The amphitheater, at the foot of the hill, leads to the meditation pavilion on top of the hill, and has been designed as an earth buttress to counteract unstable areas of the hill.

This multi-phased project included construction of the Museum, Gallery, Amphitheater, Conference Center, and Education Center. Followed by construction of the North Parking Garage, Arroyo Garden, and Ahmanson Hall. Winnick Hall was completed in Phase 3, and the final portion of construction completed the North Building and Parking Garage.



**Lucas Museum of Narrative Art Peer Review
Los Angeles, CA**

The project consists of a new museum building (390,000GSF) including galleries and a theater, as well as educational, office, restaurant spaces and an occupied rooftop over below-grade parking (425,000GSF). The project's five above-grade levels are base isolated at the underside of the ground floor, above the basement parking structure. The building is designed to a very high performance standard, beyond typical building code requirements for base isolated buildings, incorporating continued functionality.



**Benton Museum of Art at
Pomona College
Claremont, CA**

NYA served as the SEOR on this new LEED certified 3-story, 33,000 square foot art museum located on the Pomona College campus. Constructed to replace the original museum building built in 1959, the new museum was constructed to suit the needs of the museum's growing collection and educational programming.

In addition to six flexible gallery spaces, the site includes two storage vaults to house the museum's extensive collection of Native American artifacts, as well as other works on paper, photography, paintings, and sculptures. Central to the museum's educational hub, the vaults are adjacent to two classroom facilities, giving students access to art from the permanent collection. There is addition lower level that houses additional storage spaces for the collection, as well as exhibition equipment, and registration office and workspace.

The gallery spaces surround a central courtyard, which includes a space for concerts and other performances, as well as a courtyard for site-specific sculpture commissions.





**Kia Motors America Research & Development Facility
Irvine, CA**

At the end of Peters Canyon Wash in Irvine is 22 acre site that houses the Research and Development Facility for Kia Motors America, Inc. A sunken creek and open trail area separates the site from the adjacent Harvard Square residential neighborhood. Phase One is a 220,000 square foot of offices, high bay garages and warehouse. Phase Two is an additional 110,000 square foot office space.

Amgen Manufacturing Limited Infrastructure Evaluations

Juncos, Puerto Rico

We performed seismic evaluation of building structures and the evaluation of seismic bracing and anchorage of non-structural components for the critical infrastructure and processes.

Amgen Manufacturing Limited Non-Linear Seismic Analysis and Feasibility Study

Juncos, Puerto Rico

NYA provided structural engineering services for the performance based non-linear structural response analysis and seismic retrofit feasibility study on various buildings, tanks, and pipe.

Calpine Power Plant Upgrades
Houston, TX

The structural aspects of this project involved the addition of catalyst beds and additional equipment related to the required increase in generator capacity in three existing generator units. The new catalyst beds in the existing generator are supported by existing mat foundation and some existing economizers and stack were re-located to a new mat foundation. The new transition duct and some new "super heaters" are supported on existing mat where possible.

Port of LA Berths 240Z Southwest Marine Facility Peer Review

El Segundo, CA

Nabih Youssef & Associates provided structural engineering services for the structural peer review of the Berth 240Z Southwest Marine Facility environmental impact report. The facility has 12 buildings that are part of a historical district eligible for listing

in the NRHP. There are six 2-story, three single-story, two 3-story and one 4-story buildings with a total area of 240,000 sf. The buildings are of constructed of a variety of materials including wood, steel and concrete.

Elk Hills Power Plant Modifications
Kern County, CA

We provided structural engineering consulting services for the stair tower bracing modification.

Scattergood Power Plant
El Segundo, CA

National Ignition Facility
Livermore, CA

Iraqi Village (Defense Prototype Experiment with Parsons)

Ft. Irwin, CA

Glenarm Power Plant
Pasadena, CA

Beverly Hospital Central Plant
Montebello, CA

Cedars Sinai Central Plant and Review
Los Angeles, CA

Anaheim Memorial Central Plant Upgrade
Anaheim, CA



Cedars Sinai Central Plant and Review



Iraqi Village



Amgen Manufacturing



Beverly Hospital Central Plant



Elk Hills Power Plant Modifications



Glenarm Power Plant



National Ignition Facility



Scattergood Power Plant



Anaheim Memorial Central Plant Upgrade



FIRM PROFILE

About Us

Nabih Youssef & Associates, Structural Engineers (NYA) is an internationally recognized structural engineering firm providing specialized structural and earthquake engineering consulting for new and existing buildings. Established in 1989, the firm's design practice is geared towards architecturally complex building projects, and we have worked on public projects of all sizes and budgets as well as residential, commercial, mixed-use, and institutional developments.

NYA's significant contribution to the development of Earthquake Engineering Codes/Standards, seismic base isolation, and value-engineered strengthening concepts is coupled with a commitment to engineering quality and performance that has given us the ability to provide our clients with cost effective, sustainable solutions and successful projects.

NYA has had the good fortune to collaborate with many international design architects and educators to find clear, elegant structural solutions for complex design issues. Our firm has worked on over 100 LEED certified projects, and we are committed to doing our part to make construction more sustainable and environmentally responsible.

Philosophy

The sky is the limit for structural concepts and ingenuity. However, our structural solutions must be threaded into the desired design and ultimately capitalize on the inherent stability attributes of the architectural form. Once we understand the building design configuration and intent, we develop several concepts for the structural framing, create

three dimensional analytical models, expand, and interpret applicable seismic codes, develop basic connections and details, and assist in cost and constructability studies for the selected schemes.

Locations

NYA has offices in Los Angeles, Irvine, San Francisco, and South Carolina.

Primary Office Contact

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Availability

Through careful selection of the team and staff assigned, we ensure that exceptional personnel will be available for immediate staffing. We have a proven track record of delivering all types of projects on schedule for budgets of \$20K and \$1B alike.



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