

KINNOE INC

STRUCTURAL ENGINEERS

Company **PROFILE**

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About Us

Founded by Beng Low, a registered structural engineer in the State of California, and incorporated in 2009, we are a full-service structural engineering firm committed to delivering excellence in design and personal service by using our technical knowhow and state-of-the-art tools and technology.

Kinnoe's greatest strength is in its breadth and depth of experience in structural engineering. Projects often require the use of various construction techniques and different materials, and up to now our projects have utilized post-tensioned structures, prestressed structures, masonry and timber, as well as the usual reinforced concrete and steel. This experience gives us the agility to provide the most creative and cost-effective engineering solutions to the client and designers without holding back the momentum of the project team, while keeping engineering safety firmly in perspective.

Substructure often contributes heavily to cost and construction schedule. We routinely play the critical role of tailoring the geotechnical design to take full advantage of any beneficial site conditions. We also provide the flexibility to adopt the latest construction methodologies, such as in the construction of basements, where top-down construction may be employed to accelerate schedule.

Our projects are numerous and various; thus, we have taken the opportunity to curate a selection for your viewing in this Company Profile. We hope a browse through will show you how our contribution will add value to - and safeguard the success - of your project.

Our Services

Dedicated to engineering excellence, Kinnoe has taken on some of the most challenging and unique projects. We are always seeking out challenging projects and strive to be at the forefront of industry advancement. Opportunities that extend our capabilities and distinguish us from our peers are welcomed with wide eyes and open arms.

Our dedication and commitment to our pursuit of engineering excellence manifests itself in the breadth of engineering services we provide.

Structural Engineering

Steel, Reinforced Concrete, Masonry
and Timber Design
Composite Structures
Earthquake Engineering
Tilt-up Concrete
Structural Retrofit

Geotechnical Engineering

Piles & Caissons
Raft Foundations & Pad Footings
Retaining Walls
Marine Foundations
Reinforced Earth
Slope Stabilization

Other Services

Value Engineering & Peer Review
Existing Structure Evaluation

Beng Low is a licensed California Structural Engineer with over 30 years of structural engineering experience. He has successfully completed a wide variety of projects including schools, healthcare facilities, commercial buildings, public library, custom homes, industrial buildings, and water and wastewater treatment structures.

His recent projects include:

- A new 2 blocks of 4-story 128,000 square feet Performing Arts Center at San Mateo Community College, California with Proscenium Theater, Recital Hall and Band Room using buckling restrained braced frames (BRB) and concrete shear walls.
- A new 2 blocks of 5-story special moment frame steel building for EVA Air North America Headquarter at El Segundo, California.
- A new 4 blocks of 2-story Business and Art Academy in Oakland, California using tilt-up concrete panels and structural steel frames.
- A new 3-story 58,000 square-foot public library in Hayward, California using structural steel frames and concrete shear walls.
- Seismic retrofit of a 6-story healthcare facility in San Francisco, California with special concentrically braced steel frames.
- Seismic retrofit of a 12-story concrete residential building in San Mateo, California.

Beng H. Low, MS, SE

President



Education:

Master of Science, Structural Engineering,
Ohio State University, Columbus,
Ohio, 1985

Bachelor of Science, Civil Engineering,
University of Roorkee,
Roorkee, India, 1983

Registration

Professional Engineer, California,
No. C48412, 1991

Structural Engineer,
California, No. S4973, 2005

EVA Air Corporate Office, El Segundo, California Office



EVA Air North America Headquarters

El Segundo, California ⁽¹⁾

2 blocks of 5 storey office buildings

Moment Frame Steel Structure

Light weight concrete on metal deck

Composite structural steel beam

Provided full set of construction drawings, calculations, and specifications.



Public Library, Hayward, California **Library**



Hayward Public Library

Hayward California ⁽²⁾

3 storey, 58,000 square foot library

Structural Steel Framing

Concrete Shear Wall System

Provided full set of construction drawings, calculations, and specifications.



San Francisco Fire Department Ambulance Deployment **Public**



San Francisco Ambulance Deployment Facility

San Francisco, California ⁽¹⁾

2 wings, 4 storey buildings

Structural Steel Framing

Buckling-Restrained Braced Frame (BRBF) Lateral System

Performed complete structural analysis and calculation for design development.



Bank of America, San Francisco Seismic Evaluation



Bank of America Building

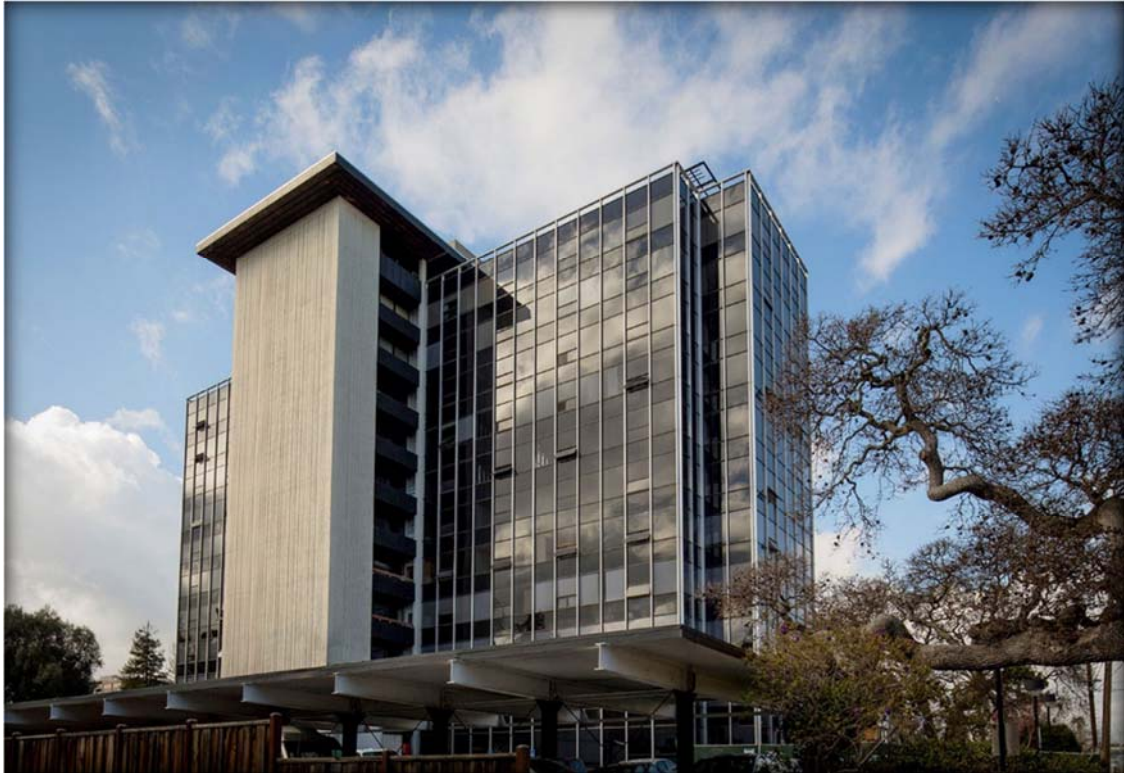
San Francisco, California ⁽³⁾

9 storey, 580,000 square feet building

Steel framed

Performed seismic evaluation per ASCE 41 with retrofit recommendations.

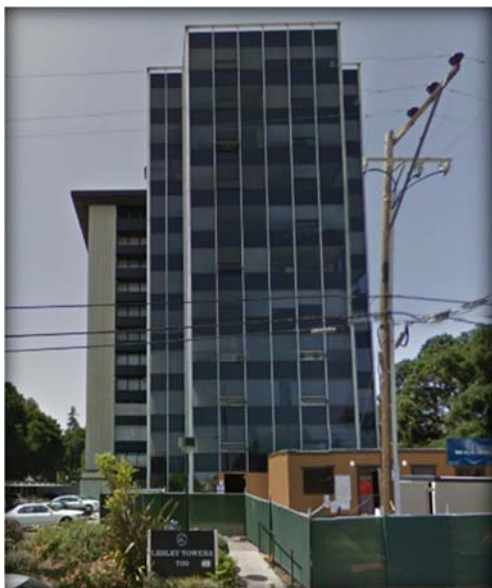
Lesley Tower, San Mateo, California Rehabilitation



Lesley Tower

San Mateo, California ⁽²⁾

12 storey post-tensioned concrete residential building
Concrete shear wall system
Performed a full seismic rehabilitation
Provided full set of construction drawings, calculations, and specifications.



San Francisco International Airport, California **Marine**



SFO Marine Rescue Facility

San Francisco International Airport, California ⁽³⁾

Single storey steel structure on concrete platform

Concrete platform on spun piles on bay mud

Non-linear analysis, step by step push over approach structural design

Provided full set of construction drawings, calculations, and specifications.



San Mateo, California Performing Arts Center



Skyline College Performing Arts Center

San Mateo, California ⁽¹⁾

2 blocks, 4 storey building with a total of 128,000 square feet

Consists of a theatre, a music recital hall, classrooms, gallery and support spaces

Structural Steel Framing

Concrete Shear Wall System

Provided complete preliminary structural engineering design and drawings.



TRX Signature Tower, Kuala Lumpur, Malaysia **High Rise**



TRX Signature Tower

Kuala Lumpur, Malaysia

106 storey 1,287 foot high rise at Tun Razak Exchange, Kuala Lumpur

Structural Steel Framing

Concrete Core Walls and Steel Outrigger System

Provided technical support during structural design phase for Louie International, San Francisco



NetApp, Bangalore, India Commercial



NetApp Research & Development Centre

Bangalore, India

15 Storey High-Tech Commercial R&D Centre
Structural Steel Frame (Braced Frames)
Composite Steel and Reinforced Concrete Deck
Provided independent design check, peer-review and value engineering.



Mewah Oil Corporate HQ

Klang, Selangor ⁽⁴⁾

4 storey Corporate HQ & Warehouse
1 block 4 storeys
Green Atrium
Structural Steel Frame
Inclined Steel Support Columns

High Rise



Sunway Opal Damansara

Petaling Jaya ⁽⁴⁾

Developer: Sunway

Luxury Condominium, 2 towers, 28 storeys, Approx. 480,000 sqft

Reinforced Concrete Shear Walls, 400mm square reinforced concrete pile foundations



Mutiara Upper East

Ampang ⁽⁴⁾

Developer: Puncak Kencana

Luxury Condominium, 2 towers, 30 storeys, Approx. 620,000 sqft

Reinforced concrete shear walls on transfer beams

IKEA, Penang **Retail**



IKEA Batu Kawan

Bandar Cassia, Penang ⁽⁴⁾

GBI and LEED certified Home Furnishings Store & Warehouse
4 storey shopping centre with 2 storey carpark: Superflat floor slabs
Underground Onsite Detention Pond
50-meter-tall steel Navigation Tower with 5-meter x 20-meter Backlit Signage
Precast Concrete Slabs, Beams, Columns
Galvanized Steel Escape Staircases and Canopies above Loading/Unloading Areas
Steel Beam & Truss Roof with roof mounted solar panels, Sandwich Wall Cladding



Madison Park Business & Art Academy, Oakland, California School



Madison Park Business & Art Academy

Oakland, California ⁽⁵⁾

4 blocks 2 storey building

Structural Steel Framing

Tilt-Up Concrete Shear Wall System

Provided full set of construction drawings, calculations, and specifications

Footnote:

The projects shown include services performed as consultant/employment or in collaboration with the following firms:

- (1) SOHA Engineers, San Francisco, California
- (2) IDA SE, Oakland, California
- (3) Structus Inc, San Francisco, California
- (4) Keshmen Consult, Bandar Sunway, Selangor
- (5) Kam Yan Associates, Oakland, California

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