



HALLIWELL

SIPAN YAVARIAN, P.E.

FORENSIC ENGINEER, CIVIL/STRUCTURAL
ENGINEERING SERVICES

SAN FRANCISCO, CA

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halliwellglobal.com

SPECIALTIES

- Structural evaluations
- Forensic Fire Investigation
- Earthquake
- Storm Damage Evaluations
- Building Envelope
- Construction Document Reviews and Analyses
- Construction Defect Analyses
- Roofing Systems
- Foundation Movement

BIOGRAPHY

Sipan is a licensed engineer proficient in the assessment, analysis, and repair of existing and under-construction structures damaged by natural and man-made events, with expertise in fire-damaged buildings and structures. He has broad project management experience, working closely with developers, property owners, and property management companies. Sipan has been involved in forensic engineering investigations, including the deconstruction of a Caltrans bridge spanning an active waterway in Long Beach, California, and the assessment of an under-construction cross-laminated timber (CLT) structure. His experience encompasses structural failure analysis, damage assessments, and repair recommendations to support clients in navigating complex engineering challenges.

QUALIFICATIONS

Master of Science, Structural Engineering, California State University Northridge, CA

Bachelor of Science, Civil Engineering, Azad University of Tehran, Iran

INDUSTRY CERTIFICATIONS, LICENSES AND MEMBERSHIPS

- Licensed Professional Civil Engineer (PE): CA
- Cal OES SAP Evaluator, ID# 76640

PROFESSIONAL EXPERIENCE

- Halliwell, Forensic Engineer, Civil/Structural Engineering Services
- Project Management Advisors, Inc., Project Manager
- Thornton Thomasetti, Project Engineer
- CSU Northridge, Student Assistant
- Airplus Engineering Consultants, Mechanical Engineering Designer

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REPRESENTATIVE ASSIGNMENTS

Apartment Complex Fire Investigation | Altadena, CA

Determined the extent of damage to the structural framing and the applicable code upgrades to a 47-unit apartment building following a fire.

Supermarket Fire Investigation | Altadena, CA

Determined the extent of damage to the structural components, and applicable code upgrades to a one-story, 28,000 square-foot supermarket.

Office Building Fire Investigation | Tigard, OR

Determined the extent of damage to the structural framing, and applicable code upgrades to a two-story, 14,000 square-foot office building.

Hotel Apartment Complex Water Intrusion Investigation | Daytona Beach, FL

Determined the origins and causes of water intrusion, through building envelope including roofing, into 3 hotel apartment buildings.

La Rinconada Stadium | Caracas, VNZ

Structural engineering for an 850,000-square-foot baseball park with 35,600 seats and an adjacent plaza.

AT&T Center | San Antonio, TX

Structural engineering for various renovations and expansions to an arena housing the NBA's San Antonio Spurs.

State Route 47 Schuyler Heim Bridge | Long Beach, CA

Structural engineering services for deconstruction of an existing bridge spanning an active waterway, with an immediately adjacent rail bridge and the overhead replacement bridge.

Golden 1 Center | Sacramento, CA

Structural engineering for a 674,000-square-foot new entertainment and sports center housing the NBA Sacramento King.

Southline | South San Francisco, CA

Project management for 32-Acre/9 building/2M sq. ft. commercial, R&D, and life science ground up development.

One Steuart Lane | San Francisco, CA

Project management for a new 333,850 SF 20-story luxury condominium tower with 120 units and 5,000 sq. ft. retail space.

RECENT PUBLICATIONS

- Yavarian, S., Skokan, M. and Ahmad, R. (2014) "Performance of Buckling-Restraint Braced frames in Dual Systems for Assessing Global Seismic Performance Factors," Second European Conference on Earthquake Engineering and Seismology, Istanbul, Turkey.