

BRYAN ALLRED, S.E.
Vice President
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Bryan Allred's professional interest and experience are in the area of seismic analysis and design of post-tensioned and reinforced concrete structures. He has participated in the design of many diverse projects from parking structures to external post-tensioned retrofit, as well as the seismic evaluation and analysis of existing concrete and steel buildings. Mr. Allred has been a lecturer in the graduate program at Cal Poly Pomona and the undergraduate program at U.C. Irvine. In addition to having authored and co-authored numerous technical papers which have been published in conference proceedings and professional reports throughout the United States, Mr. Allred has also taught at numerous seminars primarily focusing on the design of seismic reinforced concrete elements and post-tensioned structures. Mr. Allred is a licensed civil and structural engineer in the state of California.

Mr. Allred has participated in the design of diverse projects throughout United States, including:

Parking Structures

Howard Hughes Entertainment Center 5, 6A, 6B & 7, Los Angeles
Univision Parking Structure, Los Angeles
Opus Sierra Point, Brisbane
Classic Chevrolet, Anaheim
Hawthorne Chevrolet, Hawthorne
Royal Laundry, Pasadena
Regal Cinemas, San Diego
County Wide Jeep, Garden Grove
St. Agnes Parking Structure, Fresno
Treasure Island, Laguna Beach
Southwestern College Parking Structure, National City
12th and Crocker, Los Angeles
Maple and Pico, Los Angeles
777 12th Street, Los Angeles
8507 Melrose Ave., Hollywood
Pinnacle at Orange, Orange
Main and Jamboree, Irvine
Warner Center Parking Structures, Thousand Oaks
Vantis, Aliso Viejo
8006 Melrose Ave. - Hollywood
Maple Pico - Los Angeles

Structural Slabs Supporting Additional Structures

L'veneto, Palm Desert
Pinnacle at Fullerton Apartments, Fullerton
City Pointe Apartments, Orange
Western Carlton Apartments, Los Angeles
Osage Senior Villas, Los Angeles
Wiberg Office Complex, Manhattan Beach
Madison Apartments, Pasadena
Mayfield Junior School, Pasadena
Candlewood Suites, Anaheim
MacArthur Medical Office Building, Costa Mesa
Almaden Apartments, San Jose
Pinnacle at Sierra Madre, Pasadena
Ocean Village Apartments, Oceanside
Adams Residence, Laguna Beach
NTC Office Building, El Cajon
Sartini Residence, Laguna Beach
Orgon Residence, Laguna Beach
The Burbank Apartments, Santa Rosa

Seismic Evaluation and Retrofit Strengthening

Seattle Kingdome, Seattle, Washington
202 N. Nash St., El Segundo
Ponderosa Pines, San Diego
Westlake Village, Westlake
Rye Canyon, Valencia
Bank of America, Redondo Beach
Arrowhead Village Parking Structure, Lake Arrowhead
80 South Lake, Pasadena

External Post-Tensioned Retrofit

3250 Wilshire, Los Angeles
Arrowhead Village Parking Structure, Lake Arrowhead
2727 Imperial, Brea
Holiday Inn at Fisherman's Wharf, San Francisco
Hotel Zozo, Palm Springs CA
Coronado Apartments, Newport Beach CA

Hotels / Apartments / Office

Meadow Stone Lodge, Kirkwood
Monterey Hotel, Monterey
Oxnard Hilton Gardens, Oxnard
Fair Oaks Assisted Living, Pasadena
Rolling Oaks, Thousand Oaks

Post Tensioned Slabs on Grade

Homes designed for Shea Homes
Homes designed for Greystone Homes
Ostrand, Inc.

David Potell Sports Facility (Roller Hockey Rink), North Hollywood
Ladera Ranch Fire Station, Ladera Ranch
KinderCare Learning Facility, San Clemente
Vista Verde Child Care, Monterey
San Clement Technology Park at Talega (36 Tilt Up Structures)

Professional Seminars

Reinforced Concrete Ductile Moment Frame Design - SEAOC 2001
Reinforced Concrete Shear and Coupled Wall Design - SEAOC 2002
Fundamentals of Post-Tensioning - Post Tensioning Institute 2003, seminars given in Houston, Chicago, Minneapolis, Washington D.C., New York, Denver and Salt Lake City.
Fundamentals of Post-Tensioning - Post Tensioning Institute 2004, seminars given in San Diego, Portland, Seattle, Kansas City, Dallas, Tampa, Atlanta, Boston and Oakland.
EduCode 2005 - Fundamentals of Post-Tensioning
Fundamentals of Post-Tensioning - Post Tensioning Institute 2005, seminars given in Los Angeles, Albuquerque, Las Vegas and Phoenix.

EDUCATION

University of California, Irvine, B.S., Civil Engineering, 1993
University of California, Irvine, M.S., Civil Engineering, 1995

PROFESSIONAL AFFILIATIONS

Structural Engineers Association of California
American Concrete Institute
Post Tensioning Institute - Education Committee Member, 2003 - present

PUBLICATIONS

Conference and Symposia Proceedings

Allred, B.A., "[Issues in Post-Tensioned Construction.](#)" Concrete Construction, January 2006

Allred, B.A., "[Common Post-Tensioning Design and Construction Issues.](#)" Structure Magazine, July 2005

Allred, B.A., "[Post-Tensioned Slab on Grade Design.](#)" The Journal of Light Construction, March 2004

Bondy, K.D., Allred, B.A., "Lake Arrowhead Village External Post-Tensioned Retrofit," 2003 Post Tensioning Institute Conference, May 2003, Huntington Beach, California.

Bondy, K.D., Allred, B.A., "Lake Arrowhead Village External Post-Tensioned Retrofit," 2002 SEAOC Conference, September 2002, Santa Barbara, California.

Allred, B.A., Shepherd, R., "Lateral Load Resistance of Narrow Plywood Panels," Sixth U.S. National Conference on Earthquake Engineering, May 1998, Seattle, Washington.

Allred, B.A., Billings, L.J., & Shepherd, R. "Ultimate Response Characteristics of Base Isolated Structures," 11th World Conference on Earthquake Engineering, June 1996, Acapulco, Mexico.

Bondy, K.D., Allred, B.A., "Determining Realistic Inelastic Moment Demands of Seismic Moment Frame Columns," 1996 Los Angeles Tall Building Conference, May 1996, Los Angeles, California.

Allred, B.A., "Ultimate Restraint Impact Response Characteristics of Base Isolated Structures", M.S. Thesis, University of California at Irvine, March 1995.

Billings, L.J., Allred, B.A. & Shepherd, R. "Impact Response of Base Isolated Structures," MARC Users Conference, October 1994, Ann-Arbor, Michigan.

Allred, B.A., Billings, L.J. & Shepherd, R. "Ultimate Restraint Control of Seismic Base Isolated Structures," 1st World Conference on Structural Control, August 1994, Pasadena, California.

Allred, B.A., Billings, L.J. & Shepherd, R. "Ultimate Restraint Considerations in Base Isolated Structures," 5th USNCEE, July 1994, Chicago, Illinois.

Allred, B.A., Billings, L.J. & Shepherd, R., "Ultimate Restraint Considerations in Base-Isolated Bridges," 3rd U.S.-Japan Workshop on Earthquake Protective Systems for Bridges, March 1994, Berkeley California.

Allred, B.A., Shepherd, R., "Racking Resistance of Narrow Plywood Shear Panels," 62nd SEAOC Convention, September 1993, Scottsdale, Arizona.

Agency/Department Technical Reports

Shepherd, R., Allred, B.A. "Cyclic Testing of Narrow Plywood Shear Walls," Applied Technology Council, ATC R-1, Oct. 1995.