

## RESUME

THEODORE CARL ZSUTTY

Professor Emeritus of Civil Engineering  
Department of Civil Engineering, San Jose State University

### EDUCATION

BSCE 1952, MSCE 1953, and Ph.D. in Structural Engineering 1961, Stanford University

### REGISTRATION

Civil Engineer and Structural Engineer, State of California

### CONSULTING ACTIVITIES

Member of California State University Seismic Review Board (CSU/SRB): Coordination with Structural Engineering Consultants and Peer Review for new construction and the evaluation and design of seismic retrofit of hazardous buildings at the 22 University Campuses.

Consultant ( CSU/SRB) to State of California): for formulation of seismic retrofit guidelines and commentary as required by Senate Bill 597 for State and Privately-Owned Buildings and Assembly Bill 3316 for University of California and California State University Buildings. The resulting Division III-R is a part of the California Building Code Title 24. A modified version of Division III-R has been adopted by OSHPD for critical care hospital facilities. Consulting activity involved the upgrade of Division III-R to Division VI-R for compatibility with the 1997 Uniform Building Code. Approved by California Building Standards Commission in July 2000 for applicability to state-owned buildings.

Peer Review Engineer for special building retrofit projects for the City of San Francisco and State of California

Probable Maximum Seismic Loss Studies for properties in California, Nevada, Washington, Tennessee, and Utah.

### ACTIVITIES FOR THE STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA (SEAOC)

Co-Chair with Andy Merovich, SEAOC Committee for formulation of shear wall boundary element provisions for the 1994 UBC.

Co-Chair, with Ron Gallagher, 1999 SEAOC Blue Book Committee: charge is to upgrade text and commentary, provide consistency with the 1997 Uniform Building Code. Published December 1999.

Liaison Member on SEAOC Existing Buildings Committee: to coordinate the Division IV-R provisions and changes with SEAOC.

Consultant responsible for the formulation of examples showing the application of the 1997 Uniform Building Code, Chapter 16 Provisions for the SEAOC Seismic Design Manual Volume I, published in April 1999. These examples are adapted to the provisions of the International Building Code, IBC 2000.

Invited speaker for the 1999 SEAONC Spring Seminar on Earthquake Loss Evaluation

Lead Speaker for the SEAOC Seminars on the Seismic Design Manual Volume 1 , 1999-2000

Honorary Member, Structural Engineers Association of Northern California, June 2000

Member, SEAOC College of Fellows, September 2002

Member, SEAONC Concrete Sub-Committee of Seismology Committee

#### ASTM SUB-COMMITTEE E06.25.55

Member of sub-committee that produced the E2026-99 Standard Guide for Estimation of Building Damageability in Earthquakes. This guide has been approved by ASTM and is available from the ASTM offices at 100 Barr Harbor Drive , West Conshohocken , PA 19428-2959

#### PEER REVIEW ASSIGNMENTS FOR CITY OF SAN FRANCISCO

Chair, Structural Advisory Committee for Code Applicability for Addition to Sutro Tower.

Chair, Panel for Steel Special Moment Frame Connection Requirements for the GAP Building. Assignment involved evaluation of tests for qualification of slotted web connections

Panel for Review of Seismic Upgrade for 111 Sutter Building

Assigned peer reviewer for the use of composite fiber for strengthening of the Woolen Mill, an unreinforced masonry bearing wall building.

Member, Sutro Tower Health and Safety Task Force, City and County of San Francisco

Chair, Panel for the 835 Market Street Project. Steel Special Moment Resisting Frame with Reduced Beam Flange Connections

Chair, Panel for Seismic Upgrade of One Maritime Plaza. Steel Moment Frames and Braced Frames. Assignment included evaluation of welded column and beam flange strengthening details.

Member, Peer Review Team for Seismic Upgrade of 555Market Street, 24 Story Composite Steel Frame and Concrete Shear Wall Core.

#### ASIGNMENTS FOR THE STATE OF CALIFORNIA

Co-peer reviewer for seismic retrofit of Department of Motor Vehicles Building, Sacramento, California

Peer review engineer for seismic retrofit of existing buildings and for seismic safety of new construction for California State University Campuses at San Jose, Hayward, Monterey Bay, Sacramento and Chico. Projects include steel special moment frames, eccentric braced frames, and buckling restrained braced frames

Assigned member of CSU Seismic Review Board to upgrade the evaluation and retrofit provisions of the CBC Division VI-R to comply with current EIBC and FEMA Guidelines.