

Sohban KHAN

Regional Structural Engineer - USA



ACADEMIC QUALIFICATION

Ph.D in Structural & Wind Engineering, Colorado State University, USA
Master of Science Structural Engineering, Colorado State University, USA.
B.E. in Civil Engineering, N.E.D University, Karachi.

BACKGROUND SUMMARY

Sohban S. Khan, graduated from N.E.D. University of Engineering and Technology in 1989 with Bachelor of Engineering degree with emphasis on Civil Engineering. After graduation from N.E.D, Sohban pursued higher education in the US and got Master of Science degree (Structural Engineering) from Colorado State University in 1990-1992. Research thesis was submitted for Flexural behavior of Fiber Reinforced Concrete Members subjected to Static and Dynamic Loading. Sohban further continued his education to obtain Ph.D in Structural and Wind Engineering from Colorado State University in 1992-1996 and his dissertation research was in "Reliability based analysis and design of structures subjected to high wind loads. This research was instrumental in producing 'Basic Design Gust Wind map of the continental US'. Subsequently, this basic design wind map of the US was adopted by several building codes and standards, like ASCE 7-98, ASCE 7-02, ASCE 7-05, IBC 2000, IBC 2003, IBC 2006 and IBC 2009.

Sohban is currently working as a Regional structural engineer for an International firm in the US and have completed many projects as Lead Structural Engineer. Over the years, Sohban has been involved in the analysis and design of various types of building structures serving the needs of commercial, institutional, governmental, higher education, airports, health care institutions, theme parks, casinos, residential and other private developer clients. Sohban has vast experience designing various types of structures using building materials like Cast-in-place Post-Tensioned concrete, Prestressed Concrete, Reinforced Concrete, Structural Steel, Reinforced concrete masonry, Wood and Cold formed light gauge. Sohban has extensive experience designing structures (both high rise buildings and bridge structures) for code level forces (i.e., wind and seismic) using static and dynamic analysis procedures. For last several years, Sohban is involved in quality control processes at Walker and provides technical oversight in establishing company's structural standards and structural design guidelines for various structural items.

Sohban has designed numerous structures in high seismic areas of California and those structures were reviewed by the Division of the State Architect (DSA). Based on his interaction with the DSA offices within California, he was instrumental in establishing new set of standards within Walker to be used within high seismic areas of the country. I actively participates in performing structural peer reviews on internal and external projects.

Sohban has performed seismic evaluations on existing structures using code prescribed static and dynamic analysis (linear and non-linear procedures) and design procedures associated with Tier 1, Tier 2 and Tier 3 seismic evaluations using Performance Based Design. Sohban has also provided Legal Expert Witness services to several clients and assisted them on projects requiring Forensic Analysis and Structural Evaluations.

In his free time, Sohban likes to do read material related to wide range of subjects including investment in stock market, currency trading, real estate investment, etc, play cricket, tennis, listen to music, and travel around the world with his wife and three daughters. For Sohban, gup shup with old friends is the best of all as a past time hobby.