SIMPSON Strong-Tie

Course Summary Sheet: Wood Framed Seismic Design

Title	Wood Framed Seismic Design
Delivery Mode(s)	Instructor-Led Workshop (3 hours) Online Course (3 hours)
Direct URLs to Content	Instructor-Led Workshop Materials (AIA-WSD103) Instructor-Led Workshop Materials (ICC-WSD103) Online course (ONL-SWFS) *Note: The only difference between AIA and ICC instructor-led materials is found in the credit information at the beginning and end of the slide deck.
Course Description	This is a three-hour instructor-led course intended for structural engineers and architects interested in seismic design for wood-framed construction. Course topics include 2015 IBC code provisions, ASCE 7-10 code provisions, seismic design parameters, structural irregularities, design base shear, distribution of seismic forces, diaphragm design, shear wall shear design, shear wall overturning design, and drift analysis. Throughout the course, we will simultaneously discuss a building design example as an aid for the understanding and interpretation of the learning objectives.
Course Outline	 Code Provisions, Seismic Design Parameters & Structural Irregularities Design Base Shear, Distribution of Seismic Forces & Diaphragm Design Shear Wall Shear Design, Shear Wall Overturning Design & Drift Analysis
Learning Objectives	 Upon completion, participants should be able to: Summarize code provisions relating to seismic design in ASCE 7-10 and 2015 IBC Explain and discuss the importance of site classifications, seismic design parameters, and seismic design categories Use USGS Seismic Design Mapping online tool to determine seismic design parameters and seismic design category Evaluate and explain structural irregularities as they relate to seismic design for wood framed construction Evaluate and explain structural design base shear for use in the equivalent lateral force procedure Calculate and confirm the seismic forces for use in the equivalent lateral force procedure Summarize how to design diaphragms for wood framed construction to resist seismic forces Identify and compare the three methods for shear wall design and for the floor to floor transfer of shear Explain how to design structures to resist overturning forces Summarize methods to calculate and resist seismic story drift
Subject Matter Expert(s)	Shalini Prochazka, P.E., S.E.
Credit Information	Instructor-Led: Credits: 0.3 IACET CEUs, 3 LU/HSW, 0.3 ICC CEU Course Code: AIA-WSD103 or ICC-WSD103

AIA Course #: AIA-WSD10316
ICC Course# 8890
Online:
Credits: 0.3 IACET CEUs, 3 LU/HSW, 0.3 ICC CEU
Course Code: ONL-SWFS
AIA Course #: ONL-SWFS2013
ICC Course#: 166

If you would like to schedule a class, please contact your branch training administrator or the Home Office Training Department.