

Target Audience – Architects & Engineers

Presentation Description:

This presentation focuses on the basics of Strength Design (SD) method for masonry, including the fundamental principles behind the design equations for masonry, as well as the essential code provisions for design. A list of programs including strength design provisions will be reviewed.

Learning Objectives –

- Gain an understanding of the Strength Design (SD) method for masonry structural design
- Review applicable codes sections from the International Building Code and the Masonry Standards Joint Committee (MSJC) Material Code
- Explore the benefits of the SD method
- Develop a better understanding of masonry capacity and applicability to building structure and envelope use



Presenter Bio – Cathleen Jacinto, SE, PE

Cathleen has 16 years of experience in the design industry as a structural engineer. A seasoned project manager and team leader, Cathleen collaborated on a variety of building design projects while at Thornton Tomasetti and T.Y. Lin International in Chicago, Illinois. Her resume includes small to large-scale project types in healthcare, aviation, commercial, infrastructure, cultural, and steel connection design located in the U.S. and abroad. Since joining FORSE in May 2015, Cathleen provides structural engineering design, modeling, and detailing services in collaboration with other structural engineering firms. Her solid knowledge base of various building materials, including steel, masonry, concrete, and wood contributes to FORSE's designs, seminars, and publications. She serves as a technical consultant to the Illinois Structural Masonry Coalition. One topic Cathleen highlights is structural masonry analysis and design. Cathleen also currently holds the position of Technical Consultant with SE Solutions, LLC where she provides technical input to structural engineering webinars as well as writes technical documents that serve as resources for the practicing structural engineering community. Cathleen has a Professional Masters in Structural Engineering from the Illinois Institute of Technology and a Bachelor of Science in Civil Engineering from the University of Illinois Urbana-Champaign. She is a licensed Structural Engineer (SE) and Professional Engineer (PE) in the State of Illinois.



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