



Utah Masonry Council Energy Codes Certification Class

Date: October 7th

Time: 10am-3pm

Location: 280 S 400 W Suite 150 Salt Lake City, Utah 84101

Inherent Resiliency of Concrete Masonry

First Block: 10am-12:00pm

Presenter: CMC Technical Director Irene Li

Description

Concrete masonry construction is resilient on its own, without the need for special provisions or extra fortifying costs, and it doesn't need to be rebuilt after most natural or human-made disasters. Concrete masonry is inherently resilient beyond code requirements. By considering lifecycle costs rather than just initial construction expenses, concrete masonry offers significant advantages, including buildings that can withstand extreme events, reduce recovery costs, and maintain community continuity qualities that are becoming increasingly important as disasters occur more frequently across all regions of the country.

Learning Objectives

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| 10am-10:30am | • Summarize how concrete masonry construction offers interconnected resilience strategies |
| 10:30am-11am | • Explore the intent of Building Codes and how minimum safety requirements are addressed |
| 11am-11:30am | • Evaluate examples of how concrete masonry construction is inherently resilient across the country for both natural and human-disasters |
| 11:30am-12pm | • Investigate first cost saving design strategies and redefine affordability to include durable and resilient structures that do not need to be rebuilt |

Masonry Jeopardy-CODES

Second Block: 12:30pm-2:00pm

Presenter: Linda Potter

Learning Objectives

- 12:30pm-12:45pm • Module 1 Masonry 101: 20 questions
- 12:45pm-1pm • Module 2 Components & Wall Systems: 10 questions
- 1pm-1:15pm • Module 3 Movement: 35 questions
- 1:15pm-1:30pm • Module 4 Flashing: 20 questions
- 1:30pm-1:45pm • Module 5 Energy Efficiency: 11 questions
- 1:45pm-2pm • Module 6 TMS 402/602: 15 questions

111 module questions, 41 interesting questions, 10 final questions. 162 questions overall.

Contractor Tell All Round Table

Third Block: 2:00pm-3:00pm

Presenters: Linda Potter & UMC Contractor Members will lead discussions around

Description:

This presentation explores common issues with current masonry details from a contractor's perspective, highlighting areas where design and construction may fall short in efficiency and durability. Attendees will gain insights into recent building code changes that directly impact masonry detailing, with a focus on improving building performance, energy efficiency, and structural resilience. By examining real-world challenges and practical solutions, this session will empower architects to make informed design choices that align with updated standards and enhance the longevity and efficiency of masonry in their projects.

Objectives:

1. Review current masonry details and their effectiveness.
2. Educate designers on field conditions that may inhibit effectiveness of details.
3. Explain the major changes for masonry associated with 2018 and newer building codes.
4. Introduce off-set shelf angles to the masonry scope of work.