



**UPSTATE NEW YORK MCAA CHAPTER**

## **Stabilize, Repair, and Strengthen Masonry**

1 LU|HSW Course Number: Repair 2024

Provider Number: 404108481

Upstate NY MCAA's programs are meant to be an overview on various aspects of masonry construction. They aren't intended to be a complete discussion of the topic.

### Presentation:

This course deals with stabilizing, repairing, and strengthening masonry structures damaged by age deterioration or an event such as an earthquake, high winds, or settlement. Examples and case studies will be given. Understanding masonry structures is preferred so architects and engineers can work to restore masonry buildings. Examples and case studies will be given.



### Learning Objectives

- 1: Recognize bracing schemes for temporary stabilization of damaged masonry. Acquire and use international standards.
- 2: Differentiate between repair and strengthening.
- 3: Identify various repair and strengthening techniques.

4: Compare expected structural performance improvements from masonry wall strengthening techniques of adding ties and grout injection.

Keywords

masonry stabilization, repair, strengthening, international standards