



LANDMARKS ILLINOIS & IMI ANNUAL HISTORIC PRESERVATION EVENT

STONE REPAIR & RESTORATION



Thursday, February 17, 2022

WHO:

Landmarks Illinois Stakeholders, Preservationists, Architects, Owners, Developers, General Contractors, BAC Signatory Contractors, Gov't Officials.

WHEN:

Thursday, February 17, 2022

8:30 am - 1:45 pm (Central Standard Time)

NOTE: please log in 5 minutes prior for an 8:30 a.m. start.

WHERE:

Held virtually via webinar using Zoom.

COST:

The cost to attend this event is FREE.

CONTINUING EDUCATION:

This program (pending approval) meets AIA/CES requirements to qualify for 5.0 continuing education credits.



QUESTIONS:

Jeff Diqui, jdiqui@imiweb.org or (630) 606-8220

SCHEDULE:

8:30 - 8:35:

Welcome

8:35 - 8:40:

Opening Remarks

Bonnie McDonald, President & CEO, Landmarks Illinois

8:40 - 8:45:

Opening Remarks

Mike Volpentesta, President, Bricklayers & Allied Craftworkers, ADC 1 of IL

8:45 - 9:00:

Presentation: Historic Masonry Preservation Certificate Program

Jeff Diqui, Technical Director, IMI

9:00 - 10:00:

Presentation: Stone Repair & Restoration

Amy Lamb Woods, Technical Director, IMI

10:00 - 11:15:

Video Demonstrations: Stone

- Composite Mortar Repairs
- Dutchman Repairs
- Stone Carving

11:15 - 11:30:

Q & A

11:30 - 11:45:

Break

11:45 - 12:45:

Presentation: Tribune Tower Case Study: Consultant Perspective

David Weirick, Architect, Klein & Hoffman

12:45 - 1:15:

Presentation: Tribune Tower Case Study: Masonry Restoration Contractor Perspective

Dan Schuman, V.P., Central Building & Preservation

1:15 - 1:45:

Q & A / Closing Remarks

REGISTRATION (Zoom):

For online registration, click or visit:

<https://bit.ly/31HDndA>

NOTE: Upon completing registration, you will receive a confirmation email with the webinar log in link and will also have the option to add the event to your calendar that includes the log in link.

PRESENTATION DESCRIPTIONS:

Stone Repair & Restoration:

Stone has been used for thousands of years for many building types and comes in many shapes, sizes, and properties. Extremely durable when maintained, but over time, stone can deteriorate when exposed to weather, moisture, or improper previous repairs or pointing mortar. This presentation will discuss formation of stone, material properties of common building stone, and common deterioration mechanisms. It will also illustrate stone treatment options such as dutchman repairs, cementitious mortar repairs, stone finishing, and stone carving using best practices. Video demonstrations will be part of the program.

Tribune Tower Stone Masonry Repair & Restoration Case Study:

Klein and Hoffman, Inc. (K&H) worked as a consultant to Solomon Cordwell Buenz (SCB) to design the rehabilitation of the Tribune Complex masonry facades as part of the complex's conversion from newspaper/media offices to condominiums. The work was performed by Walsh Construction and Central Building and Preservation and included restoration of the buildings' ornate limestone facades, including the eight flying buttresses that crown the tower, as well as modifications to window and door openings and façade support structure. The case study presentation will focus on the limestone façade rehabilitation process, including K&H's assessment prior to construction, development of restoration details, the unique cathodic protection system installed at the flying buttresses, and execution of the work by Central Building and Preservation. Central will discuss implementation of the various limestone repairs as specified by K&H, which included limestone replacements, limestone partial replacements (Dutchman repairs), limestone patching, and installation of the Cathodic Protection. Special care was taken to salvage as much original stone as possible for reuse throughout the complex, including the historic "Stones of the World" around the perimeter of the complex.

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PRESENTER BIO'S:

Amy Lamb Woods, P.E. is the Director of Technical Education with the International Masonry Institute (IMI) and a licensed Professional Engineer in multiple states. Her background combines architecture, historic preservation, and civil engineering materials. Ms. Woods has over 20 years of experience in the field of forensic engineering of building materials, both historic and contemporary structures. Her experience includes facade and failure investigations with materials such as brick masonry, terra cotta, stone, concrete, terrazzo, and stucco. Her primary interest is with projects involving the investigation and repair of historic masonry and concrete materials. From the University of Illinois at Urbana-Champaign, Ms. Woods obtained a BS in Architecture, MA in Architecture Historic Preservation, and an MS in Civil Engineering Building Materials with a focus on cement chemistry. She is a Board member for the Association for Preservation Technology International (APT), past Board member of the International Concrete Repair Institute (ICRI) Seattle and Chicago chapters, and founder of Women in Restoration & Engineering (WiRE).

David Weirick is a licensed architect and Associate IV at Klein and Hoffman, Inc. David has ten years of experience in the fields of forensic architecture and historic preservation, focusing on vintage masonry facades and traditional roofing. At the Tribune Complex, David was on site to perform a condition assessment of the facades, worked as part of the team to develop construction documents for the rehabilitation work, and was on site regularly during construction to review the work in progress and to work collaboratively with the design and construction teams to develop solutions to challenges encountered in the field.

Dan Schuman is Vice President and partner at Central Building & Preservation, L.P. Dan began his employment at Central in 2005 following his studies at the University of Illinois, Urbana-Champaign and became partner in 2015. At the University of Illinois, Dan received his B.S. degree in General Engineering with areas of concentration in Structures and Construction Management. Dan's current responsibilities include servicing customers' accounts, project management and estimating, and the supervision of façade repair and restoration work. Dan has developed a loyal and diverse client base, and has managed projects on multi-unit residential properties, industrial and commercial facilities, hospitals, schools and religious establishments throughout Chicago and the surrounding Suburban areas. Dan's engineering and technical background, combined with his project management abilities, make him a versatile part of any project team.



Photo credit: K&H

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