

2024 MII MASONRY SEMINAR

Wednesday, March 20, 2024

Oldcastle APG & Raccoon River Nature Lodge, West Des Moines
8:30am - 4:00pm | 6 hours of professional development offered

Presented by the Masonry Institute of Iowa

AIA/HSW Professional Development Programs

- Hands-on Masonry Demonstration
Bricklayers & Allied Craftworkers Local 3 IA
- Oldcastle - APG block plant tour
- System Selection: Masonry Works with All Structural Systems
Brady Golinski, PE - FORSE Consulting
- Structural Masonry Curtain Walls, Steven Judd, PE - Interstate Brick
- Inspiring Civic Pride Through Masonry Innovation - Eric Pros, AIA

6 HOURS OF
AIA/HSW
CONTINUING
EDUCATION
OFFERED!

Register online at
www.masonryinstituteofiowa.org



Masonry Institute of Iowa (MII) is a Registered Provider with the AIA Continuing Education System. Participants in all workshops presented by MII earn Learning Unit Credits.



2024 Masonry Institute of Iowa Masonry Seminar Schedule

PRICING

Registration includes continental breakfast, two breaks, lunch and up to 6 hours of AIA/HSW learning credits.

Early Bird Pricing - on/before Friday, March 15

MII Member - \$45 first registration; \$40 for additional

Non-member Architects/Engineers - \$65 per registration

Pricing after March 15

MII Member - \$65 first registration - \$60 for additional

Non-member Architects/Engineers- \$85 per registration



www.masonryinstituteofiowa.org

Oldcastle APG
(formerly Rhino Materials)
480 S 16th St.
West Des Moines, IA 50265

Raccoon River Nature Lodge
2500 Grand Ave.
West Des Moines, IA 50265

8:15 - 8:45am: Registration and Continental Breakfast at Oldcastle APG

**** Please note, safety glasses are required for the both the hands-on demo and block plant tour. Participants are also required to wear hard hats and high vis for the block plant tour. Please remember to bring your own. MII will have a limited availability for use if you do not own any.****

8:45 - 10:30am

Hands on Masonry Demo

1.5 hours of AIA/HSW Credit

Demo will be led by Bricklayers & Allied Craftworkers Local 3 Iowa (BAC3)

Grab a trowel and try your hand at laying brick. Learn firsthand how basic masonry materials come together to form durable and safe building components. Instructors will be on hand to assist attendees with a basic introduction on bricklaying and show how quality craftsmanship leads to long lasting masonry construction.

10:30 - 10:45am - BREAK

10:45 - 11:30am

Oldcastle APG Block Plant Tour

1 hour of AIA/HSW Credit

Tour will be led by Architectural Products, Inc.

Participants will learn first-hand through instruction and observing the manufacturing process how concrete masonry and hardscape units are made. Additionally, because of the highly specialized process and equipment used in their manufacture, participants will see why concrete masonry units are structurally sound and sustainable construction products.

Lunch and afternoon professional development programming will be held at the Raccoon River Nature Lodge.

11:30am - 12:30pm - LUNCH

12:30 - 2:00pm

System Selection: Masonry Works with All Structural Systems

**Presented by Brady Golinski, PE
FORSE Consulting**

1.5 hours of AIA/HSW Credit

In this session, we will discuss the different factors for selecting materials, explore all material options, review masonry material options in depth, and discuss combining masonry with other materials.

Objectives:

- Explore building design utilizing structural masonry.
- Look at initial building costs of masonry buildings in comparison to other materials.
- Examine case studies and how they utilized masonry in their design.

2:00 - 3:00pm

Structural Brick Curtain Walls

**Presented by Steven Judd, PE, CBS
Interstate Brick**

1 hour of AIA/HSW Credit

Learn the concept, design, application, construction and properties of curtain walls built with structural brick. Gain knowledge about moisture and thermal analysis concepts of different structural brick curtain walls and their impact on the energy requirements of the building. You will see examples of buildings that achieved low life cycle, energy, and maintenance costs by using this long-lasting, flexible and environmentally friendly wall system.

Objectives:

- How structural clay brick is made and its characteristics and properties.
- Examine the history, concept, design and construction of reinforced structural brick/reinforced hollow clay masonry curtain walls.
- Understand moisture and thermal analysis concepts of different structural brick curtain walls.

3:00 - 3:15pm - BREAK

3:15 - 4:15pm

Case Studies - Inspiring Civic Pride Through Masonry Innovation

**Presented by Eric Pros, AIA, MBA, CPD
1 hour of AIA/HSW Credit**

Experience a glimpse into a series of civic projects as case studies with the various ways that masonry can be implemented in new and exciting ways to create public engagement. A sense of civic pride is evoked by paying tribute to local iconography or referencing masterpieces from antiquity through a contemporary lens. Utilizing readily available, standardized materials in innovative applications makes design accessible for public projects with limited financial resources and time constraints. Beyond the aesthetic value that masonry offers, these facilities also leverage masonry's structural resiliency, low maintenance and efficient functionality to provide their communities enhanced safety and security. Innovation is also required when considering masonry's structural design capacities in atypical applications.

Objectives:

- Masonry as a means for connecting neighborhoods and community identity to public safety through urban design and providing protection through structural masonry building hardening.
- Vernacular materials implemented in a contemporary application to recall inspiring structures from antiquity in a the celebration of light and shadow that serves as wayfinding for the buildings occupants. Innovative wall cavity anchoring techniques were implemented to provide proper stability in a variable cavity depth.
- Vernacular representation as a means to create community around to public safety throughout a multi-building civic complex that provides public access and security to green spaces and private public safety environments.

ADDITIONAL INFORMATION

Registration Info

Registration for the 2024 Masonry Seminar includes breakfast, two breaks, lunch and all the handouts and material needed for the programming.

Professional Development Credit

Attendees will earn up to six hours of AIA/ HSW professional development. Learning units will be applied to AIA within 10 business days. Please check your AIA account to make sure they were applied accurately. Certificates of Attendance will be emailed out after the seminar to those without AIA numbers. Please contact MII with any questions.

Hands-on Demo & Block Plant Tour

Please dress accordingly for the hands-on demo and plant tour. The practice mortar will not stain but it is messy. Closed toed shoes are required and part of the tour will be outside. Oldcastle APG will provide protective hearing for the tour. Hard hats, safety glasses and high vis are required. We will have a limited supply available for attendees to borrow - please provide your own if you have them.

Cancellation Policy

Refunds, minus a \$20 processing fees, will be given through March 15. After March 16 no refunds will be given.

Lunch

Lunch will be served as a buffet at the Racoon River Nature Lodge between 11:30am - 12:30pm. Please note any food allergies/requests on the registration form.

Addresses & Parking

Oldcastle APG (formerly Rhino Materials)
480 S 16th Street
West Des Moines, Iowa

Parking at Oldcastle APG is available next door at the West Des Moines Public Works building. Entrance for parking will be past the Oldcastle

APG property. Please enter through the Main Office. Parking is not permitted along S 16th. There is no on-site parking at Oldcastle APG. Please consider carpooling.

Main Office



Please use the sidewalk and enter through the main entrance to the Main Office.

Please park at the West Des Moines Public Service Building

Afternoon programming will be held at the Racoon River Nature Lodge.

Racoon River Nature Lodge
2500 Grand Ave
West Des Moines, IA 50265

About MII

The Masonry Institute of Iowa (MII) is the nonprofit association for the masonry industry. Members include masonry contractors, brick manufacturers, block manufacturers, stone manufacturers, brick, block & stone distributors, and suppliers in Iowa who come together to promote quality masonry construction. MII is a great resource for all your masonry questions. Visit MII online at www.masonryinstituteofiowa.org.