AIA Illinois

Masonry Insight Program for Students

From the Ground Up!

Sept. 22-23

MASONRY ADVISORY COUNCIL

Masonry Insight Program for Students

From the Ground Up!

Program Agenda

Sept. 22-23

To provide architectural students with a hands-on experience from start to finish. Young professionals with industry-related experience will also provide educational insight and answer questions.

Friday, Sept. 22

9:30 a.m. **Bus Departure | Meet at ALoft Schaumburg**

10 a.m. **Introduction to Block -Phil Santoro**

Production Facility Tour *Northfield Block/OldCastle/Echelon*

Tour of the manufacturing facility – How is block made? | Approved for 1 AIA lu

Learning Objectives

1. *Participants will be able to identify concrete Masonry's inherently sustainable qualities.*
2. *Participants will understand how improvements of the manufacturing processes have affected the strengths, fire ratings and overall performance of concrete masonry products.*
3. *Participants will understand the manufacturing process, with respect to quality assurance in the production of masonry products.*
4. *Participants will understand the stages of manufacturing while applying modern masonry solutions to real worked problems and examine how the use of concrete masonry products can potentially contribute to sustainable building projects.*

Noon **Lunch Break on site at DCTC**

District Council Training Center ***Addison, IL***

Apprentice Coordinators & Instructors
Hands on Experience, Building with Masonry & Robotics

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Program Agenda - Cont'd

Apprentice Coordinators and Instructors - Hands on Experience, Building with Masonry

Hands on Demonstration (US Robotics-The Mule) Robotic Bricklayer | Approved for 1 AIA lu

1. *Participants will be given an introduction to the bricklaying building trade and the necessary tools used in the construction process.*
2. *Participants will be given an introduction to the various materials and components used in masonry construction.*
3. *Participants will have an exercise that includes hands on experience in the building of an actual masonry wall.*
4. *Participants will understand how technology (through US Robotics) will assist in the future of masonry construction. Attendees will also have an opportunity to operate "The Mule."*

Afternoon Presenters

Design and Build - Masonry Construction

Cathleen Jacinto
Structural Engineer | *Forse Consulting*

Learning Objectives

1. *Review basic structural properties of masonry.*
2. *Explore masonry misconceptions and myths.*
3. *Discover updated design criteria and methods for masonry and realistic height limitations.*
4. *Learn how properly designed masonry can be more economical than other systems.*

Designing with Masonry - PersonalBen Bercher
experience on actual projectsArchitect | *Wold Architects*

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Learning Objective: *Participants will gain insight into the masonry design process through a licensed practicing architect.*

The role of the Mason ContractorFrank Dziadus, Jr.
(Project Manager) and How it Applies to Vice President
the Execution of the Architects Design*Midwest Masonry*

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Program Agenda - Cont'd

Learning Objectives

1. *Participants will gain insight into the relationship between the architect and the role of the mason contractor.*
2. *Participants will understand the construction process and how their design vision will become a reality through the execution of the work of the contractor.*
3. *Participants will review possible problems and how these problems may be avoided.*
4. *Participants will review the on-site construction steps needed in order to have a successful outcome for their project.*

The Role of the Suppliers During the Construction Process — **Madeline Baker** *Brickworks Supply Center*

Learning Objectives

1. *Participants will gain insight into the process of material selection, design, color, and product trends, availability of products and delivery timeline.*
2. *Presentation will also include information on availability of production and delivery timeline.*

Panel Discussion- Ask the Experts — **Cathleen Jacinto, Ben Bercher, Frank Dziadus, Jr., Madeline Baker**

1. *Discuss masonry misconception-myths.*
2. *Discuss the relationship between the architect and the mason contractor*
3. *Discuss onsite construction steps needed in order to have a successful outcome for the architects project*
4. *Open for Q&A from students regarding the design and construction process as it applies to masonry.*

Evening Break – Roast 808
Specialty Coffee/ Dinner/ Drinks/ Networking

Overnight Stay | ALoft Schaumburg

Saturday, Sept. 23

Breakfast provided at ALoft Schaumburg
Conclusion of Event

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Program Notes

Sept. 22-23

- The Masonry Advisory Council will provide lodging for up to 24 students (double occupancy) at the ALoft Schaumburg on Sept. 22, 2023.
- Students should dress comfortably and appropriately (Touring the manufacturing plant and working with brick and mortar to build a masonry wall).
- For students with extensive travel, please contact us directly to arrange for hotel accommodations on Sept. 21 in order to be ready at 9:30 a.m. for bus departure on Sept. 22.
- All transportation, meals, tours, presentations and evening entertainment sponsored by the Masonry Advisory Council.
- If we are provided an attendee list in advance, we will raffle four tickets (to any interested attendees) to the Cubs afternoon game at Wrigley Field on Sept. 23. Transportation to and from this specific event as well as details for additional overnight accommodations (if necessary) should be handled by the attendee.

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Registration Form

Sept. 22-23

First Name: _____ Last Name: _____

Date: _____ School: _____

Expected Date of Graduation: _____ Program: _____

School Email Address: _____ Phone: _____

Personal Email Address: _____

Please complete and submit to **Kathryn Kurzawa** at **kkurzawa@masonryadvisorycouncil.org**.

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