

# Echelon Masonry Continuing Education Lunch Programs

All programs AIA/ CES with 1 Learning Unit



**Patrick Porter**

**Architectural Sales Echelon Products**

Oldcastle APG Northfield

Cell: 224-301-1490

One Hunt Court Mundelein, IL 60060 | 847-949-3600

Pat.porter@oldcastle.com

[www.echelonmasonry.com](http://www.echelonmasonry.com)



## Design Tactics for Stone Masonry Products

- **Program #: TREN-10**
- **Provider #: J-374**
- **CEU's 1 HSW**

This one-hour HSW program will explore how to effectively design masonry walls using proper design techniques focusing on the prevention of moisture, cracking and cleaning issues. This building design focus is on planning and designing sound masonry walls using proper architectural structural components based on industry guidelines and specifications. Attendees will learn why walls crack and how to design to eliminate unnecessary repairing and cleaning of masonry walls.

## IECC Energy Review and Masonry Compliance Options

- **Program #: EMX-11**
- **Provider #: J-374**
- **CEUs: 1 AIA HSW CEU**
  - **1 GBCI LEED CEU**



This presentation reviews exterior envelope R-Value requirements and masonry wall compliance options in regards to the 2018 IECC (International Energy Conservation Code). We will review exterior wall R-value requirements and define Continuous Insulation (CI) as well as present design opportunities and innovation (CI), as well as present design opportunities and innovative wall systems that comply with the 2018 IECC.

## Concrete Masonry Walls for Mold and Moisture Prevention (HSW)

- **Program #: TREN-02**
- **Provider #: J-374**
- **CEU's: 1 HSW**

This one hour HSW presentation will (1) explore the causes of moisture and mold problems; (2) show how materials, construction practices and design details can relate to mold growth; (3) determine the public health and legal implications; and (4) discover materials and design solutions for healthy buildings. The focus is on architectural concrete masonry units and proper construction techniques to counter mold. This presentation meets AIA requirements for a one-hour Health, Safety and Welfare credit

## Designing with Masonry Units for a Healthier, Safer Building Environment (HSW)

- **Program #: TREN-03**
- **Provider: J-374**
- **CEU's: 1 HSW**



Concrete masonry is an effective solution for the ever-changing design environment. In this HSW program, the importance of test reports and their relevance to design and sound construction of the building envelope is explained. This program also addresses how good masonry practices can assist designers in achieving the objectives of Green Building and Sustainable Design. Also addressed are the proper techniques to create effective results with building acoustics, the importance of Fire Ratings and the impact on public safety. This presentation meets the AIA requirements for a one-hour Health, Safety and Welfare credit.

## Excellence in Single Wythe Masonry (HSW)

- **Program #: QUIK14**
- **Provider #: J-374**
- **CEUs: 1 HSW**

This one-hour HSW program explores how to properly design single-wythe concrete masonry walls. The rain-screen wall principle is introduced and discussed in detail. Design features to minimize and accommodate various wall movements (thermal, drying shrinkage, etc) are discussed. Methods to insulate single-wythe walls are reviewed and project photos are highlighted to demonstrate single-wythe wall design creativity. Cleaning techniques are also reviewed. This presentation meets AIA requirements for a one-hour Health, Safety and Welfare credit.

## Enhancements to Manufactured Stone Veneers- Through Dry Cast Technology

- **Program #: MSV101**
- **Provider #: J374**
- **CEUs: 1 HSW**



This presentation reviews the rising trend and use of manufactured stone veneers (MSV) and advancements in the manufacturing process which make new veneers more durable, easier to install and more aesthetically pleasing. We will review installation procedures that assure moisture control and a long building life with minimal maintenance. We will also cover benefits of thin or lightweight veneers versus full-depth veneers.

## **Designing with Innovative Architectural Blocks for Buildings**

- **Program #: OSKA-01**
- **Provider #: J-374**
- **CEU's: 1 HSW**

Concrete blocks are not just for foundations and basements. Architectural masonry units are animating the facades of schools, supporting columns of healthcare facilities and gracing the arches of shopping malls. This program will cover the vast range of masonry units available and their potential uses. Designing and building masonry structures to look good for the life of the building requires a fundamental understanding of the enemies of masonry and proper detailing to protect your walls. This discussion on critical detailing and project management will ensure lasting beauty of masonry units.