CSI Continuing Education Day Glenwood Springs – www.DenverCSI.org

When: April 25, 2019

Where: Glenwood Springs Library, 815 Cooper Avenue, Glenwood Springs, CO 81601

Schedule:

8:00 am - 8:30 am - Check-In/Coffee/Donuts

8:30 am - Air Barrier Systems: Silicone Solutions to Reduce Building Air Infiltration

AIA Program: 0DC009/DE-0DC009 - AIA 1 LU/HSW &/Or 1 GBCI CE Credit
Provider: The Dow Chemical Company
Contact: Jeff Stickney, CCPR, CDT, MBA - 303-807-5804 - j.stickney@smalleyandcompany.com
Website: www.smalleyandcompany.com

Description:

This course will define types of air barriers and describes the different solutions currently on the market for sealing penetrations and transitions to create a complete air barrier system. It provides an overview of the basic requirements air barriers must meet and identifies key areas within a wall system where detailing is important to system success.

Learning Objectives:

The presentation covers the following topics:

- Requirements for Air Barriers
- Description of a Successful System
- Types of Air Barriers
- Silicone Advantages for Air Barriers
- Creating an Air Barrier System
- Known Problem Areas

9:20 am – Protecting the 1st Side of the Building

AIA Program Number: J367 – 1 (One) HSW Learning Unit through AIA
Provider: Stego Industries, LLC
Contact: Dave Marks, Regional Inside Sales Associate - davemarks@stegoindustries.com – 503-975-0809
Website: http://www.stegoindustries.com

Description:

Provides an in-depth look at below-slab moisture, soil gases, brownfields & contaminated sites, and other concerns how to effectively mitigate with barrier solutions on various project sites and differing foundation designs. The program will examine building material failures, property loss, negative health effects, and the liability associated with the moisture vapor and soil gases, along with the environmental factors that are impacted by each of the issues compared to that of the sustainable solutions selected to mitigate them. Moreover, the program is designed to update attendees on the current standards and recommendations from ASTM, ACI, EPA, and other organizations associated with each concern, as well as experts' perspectives from each respective field.

Learning Objectives:

After attending the session, participants will gain a better understanding of the different means and methods available for protection of vapor intrusion below the building, including, but not limited to, the differences between a chemical vapor barrier and a water vapor barrier. Participants will learn the science behind vapor migration below and through concrete slabs as well as into crawl spaces. Participants will also have the opportunity to gain a better understanding of unique sub-slab problems, such as subterranean termites and VOCs. In addition, participants will learn what sustainable design, construction, and installation considerations can be employed via various, cost-effective physical barriers that ensure success.

10:15 am - Understanding Air Barrier Systems and Design Options -

AIA Course Number: AIRBAR12 – 1 LU
Provider: Henry Building Envelope Systems
Contact: Chris Mersman - cmersman@henry.com - (513) 258-9220
Website: https://henry.com/

Description:

Understanding how to manage the flow of water, air, vapor, and energy through the building envelope, from foundation to roof, improving the structure's energy efficiency, livability, and sustainability for the benefit of owner, occupant and the environment.

11:20 am - Meeting Fire Codes with FRCC

AIA Course Number: LPFRS1 - 1.0 LU/HSW
Provider: Louisiana Pacific
Contact: Brian Palmateer CSI, CDT - brian.palmateer@lpcorp.com - 303-501-3905
Website: www.lpcorp.com

Description:

The course looks at Fire-Retardant Cementitious Coated (FRCC) Oriented Strand Board (OSB); its constitution, history and the most common applications in wall and roof systems. The course also covers key building code and fire code requirements relevant to FRCC OSB.

Learrning Objectives:

- Describe the components of FRCC OSB
- Demonstrate how FRCC OSB meets code requirements
- Discuss testing standards relevant to FRCC OSB
- Describe and discuss FRCC OSB applications

12:05 pm – 12:30 pm Lunch (provided)

12:30 pm - Restoration Fundamentals for CI, Stucco, and Masonry Claddings

AIA Course Number – STO630 - 1 LU
Provider: Sto Corp
Contact: Jeff Alley -Jalley@Stocorp.com - (720) 289-1122
Website: Stocorp.com

Description:

Identify major objectives for restoration of EIFS, Stucco, and Masonry exterior claddings and solutions for repairing them.

Learning Objectives:

Understand the four basic levels of exterior cladding restoration and identify purpose of each. Review the application of specific restoration solutions to projects and understand the benefits that can be achieved. Learn about the resources that are available to restoration professionals to support restoration projects.

1:20 pm – Durable Building Envelope Design

AIA Program: Durability 1 – 1 LU
Provider: Dupont/Dow
Contact: Jim Holt - Jimh@rw-spec.com
Website: http://www.Weatherization.Tyvek.com
Description: Overview of durable wall systems. Working with WUFI, what happens with all the extra insulation? What is a hybrid wall? Exterior insulation questions when detailing?
Learning Objectives:

- Tools for moisture in wall systems.
- Detailing were does the WRB go.
- What is WUFI.

2:30 pm - Expanded Polystyrene – The Economical Choice for Roofing Insulation: New and Retrofit Construction Applications

AIA Program: EPS 105 – (1) LU HSW SD
Provider: Insulfoam
Contact: Jason Wood - jason.wood@insulfoam.com - 616-217-8617
Website: www.insulfoam.com
Description:
Define and understand how Expanded Polystyrene (EPS) is manufactured.
Understand the environmental features and benefits of EPS insulation including recyclability, thermal performance, and energy efficiency.
Understanding key physical properties of the different EPS products used in Roofing applications.
Understand the features and benefits of the different EPS products: standard, faced, and composites and which roofing applications they are used in.
Understand the economic advantages when using EPS in different roofing applications compared to other insulations. Case Study examples cited. Understand what key components to consider when preparing a specification for EPS vs another insulation product in a roofing application: R-Value, Compressive Strength, Codes, Product Performance, Labor Costs, and Sustainability, Product Availability and Warranty.
Learning Objectives:
Identify characteristics of high-performance gypsum related to moisture, mold, fire resistance, exposure and sound transmission. To understand applications of each product category and understand advantages and limitations of each product category.