

# Let's schedule a **Lunch & Learn** presentation. Choose one of these AIA accredited presentations and **I'll provide the lunch!**

## 1.0 AIA/CES Learning Unit (HSW):



### ●Code Considerations in Fire Rated Glass #SAFTI2

With the advent of new and better performing fire rated glazing products in the market today, there is much confusion on which products are appropriate for certain applications based on current code requirements. This presentation will provide an overview of fire rated glass and framing products and discuss the recent changes in fire rated codes.



### ●Glass Fabrication and Design Issues #JEB1

This program is a discussion of the inherent characteristics that occur in fabricated commercial glass products. We will cover distortion in heat-treated glass, glazing distortion, insulating glass evaluation, warm-edge spacer performance and learning how to design architectural glass to create the best cost-efficiency. We will discuss certain values in glass design to make successful specifications and drawings for bid, as well as recognize considerations for proper architectural glass choice, allowing you to upgrade the quality of your specifications.

## 1.0 AIA/CES Learning Unit:



### ●Graphic Imaging and Glass #Pulp1

This presentation covers the most common methods and technologies used to combine complex graphics with architectural and decorative glass. We discuss multiple processes so the best methodology will be utilized to bring the design intent to reality.



### ●Pre-Engineered and Custom Hand Railing Design

This presentation discusses recent code changes to glass hand railings and how to design a railing system that best meets your design intent. There are many pre-engineered systems that you can select from or you can have your design custom engineered to meet your project requirements.

### ●Commercial Glass School

An overview of basic glass processes, glass history and fabrication techniques. We'll review the benefits of high-performance reflective and Low-e coatings on glass. We'll also discuss potential problems faced by the designer when using fabricated architectural glass products. The last topic for review will be the differences between soft (sputtered) coated glass products and their pyrolytic counterparts.

### ●Daylighting and Integrated Façade Design

This presentation is focused on providing designers with glazing and framing information needed to create high performance facades. This presentation provides an understanding of fundamental daylight light sources, on the impact of the façade and room geometry, and on the lighting efficacy of daylight vs. electric light. Glass properties are described in relationship to sunlight components, visible, infrared, and ultraviolet. Also reviewed is transmitted light quality in terms of "warm", "shaded" or "cool" light. The presentation continues with addressing window size and configuration in relation to window-to-wall ratio and orientation: and reviews the application of sunshades and light shelves.

### ●Aesthetics of Glass

Join us for an exploration of the glass and glazing options which can influence overall building aesthetics. The program starts with looking at individual glass choices available such as colors, coatings, ceramic frit. In addition, photographs of the options are shown on finished buildings as a means of visualizing the aesthetic effects. After reviewing the individual options, participants will learn how glass features can be combined and incorporated together within finished projects.

### ●Protective Glazing: Laminated glass

A discussion about the benefits of using laminated glass, whether to control a building's environment or to enhance safety and security and where it is required by code. Discussions on school safety trends, hurricane and weather related protection as well as blast protection will be presented. The program offers case studies for architectural and security applications.

### ●Round Table Discussion on Glass Issues and Trends

This is an open discussion of commercial glass and glazing, problems encountered and current trends involving glass used for safety, performance and aesthetics. Take advantage of over twenty years of glass expertise to get the answers you deserve to today's hottest issues.

Brought to you by:



*"The Beauty of Glass in Buildings."*

Bill Zientarski CSI, CDT | 815-341-5167 | [Bzientarski@h-pglazing.com](mailto:Bzientarski@h-pglazing.com)