

The Procrastinator's Special

December 7, 2017

4 hours HSW, 1 LU

9:00 am

Architectural Vertical Opening Solutions with Bob Goulet, Renlita Opening Solutions - 1 HSW

This course will discuss vertical operation doors, their construction and operating mechanisms, and their architectural applications and contributions to sustainable initiatives. It will compare and contrast vertical operating systems and discuss their components and safety features; explain how vertical operating systems interact with the building structure; identify how counterweight balance systems benefit users and occupants both in terms of ease of operability and contributions to the indoor environment; and describe how vertical operating systems contribute to a sustainable design and LEED certification.

10:15 am

Air, Water & Moisture Management in Light Commercial Building Envelopes with William Contento, Huber Engineered Woods (replaces Paint 201 by The Sherwin Williams Company) - 1 HSW

A study of how air leakage affects thermal performance and how moisture is managed in typical light commercial construction. Study focuses on roof and wall applications. Also includes discussion about some of the shortcomings of traditional methods and introduces alternative solutions of protecting the structure from air and moisture intrusion.

11:20 am

Green Assistance, Incentives, & Financing for Multifamily Housing: Tools for Advising Clients on Reaching Their Sustainability Goals with Kim Stevenson, Marissa Westbrook, Ron Araujo, Kathy Dorgan, FAIA, Connecticut Green Bank - 1 HSW

Incorporating renewable energy and efficiency measures in design has become the norm for area architects. However, it remains challenging to ensure that clients have the information and funds they need to achieve high-performance multifamily buildings. This session will explore the tools necessary for architects to advance green housing development at both the design and construction phases. This presentation by utility company representatives and an energy expert will feature case studies that detail design processes, financing programs, and other elements that led to successful projects. Attendees will learn about energy retrofits in multifamily properties; understand strategies for helping clients define and achieve energy goals; and learn cost effective methods for adding renewables to a project.

12:20 pm Lunch

1:15 pm

Pitfalls and Pratfalls of Using Dollars per Square Foot for Estimating with Lew Finkle, Professional Construction Services - 1 hour

This program will outline the dangers of dollar-per-square foot estimating; why using comparables from other geographic areas can lead to problems and how to transfer comparables from a past year to current costs. It will cover the differences in codes and construction requirements for different geographic areas.

2:30 pm

Improving Façade Design; Automated and Manual Solar Shading with Donna Thiele and Russell Horowitz, JGeiger Shading Technology and Somfy Systems, Inc. - 1 HSW

This program on shading systems will provide an understanding of innovative design trends related to solar shading and compare high performance glass vs. high performance shading. It will cover how to increase visual and thermal comfort by automating the balance of natural and artificial light and demonstrate the influence of current design trends on building performance using automated facades. It will review sustainable and design strategies using automated solar management and show how the benefits of automation and automated solar management are related to sustainable building design. The new minimalistic hardware design for shades meant to be seen as part of the design element in the room will be demonstrated.

The Procrastinator's Special

December 8, 2017

4 hours HSW, 1 LU

9:00 am

***Due Diligence as the Foundation Design of Quality Site Development* with Rich Derosiers, David Barstow, and James Hutton, GZA GeoEnvironmental, Inc. - 1 HSW**

This presentation will discuss the critical component of project development: early due diligence to assess the impact on schedule and budget of resiliency, green energy efforts, and geotechnical and environmental challenges. Attendees will learn about resiliency, storm and flood related risks; geologic hazards and geotechnical challenges such as shallow groundwater or bedrock and unsuitable fill and fill over organic deposits; environmental obstacles such as contaminated soil and groundwater and hazardous building materials; ecological requirements, including wetlands, habitat preservation, endangered species protection, permitting, and existing dam hazards; and Green energy requirements, such as site suitability for geothermal heating and cooling and ground conditions that could impact solar array placement.

10:15 am

***Daylighting Design with Shading Systems* with Jared O'Mara, Smarhome and Theater Systems – 1 HSW**

This seminar provides an overview of how daylighting, combined with shading solutions, can help attain better energy conservation. It will focus on how shading solutions can both overcome some daylighting concerns for end users and add benefits. Attendees will gain knowledge of the various types of shades as well as fabric characteristics that are useful in designing both energy efficient and comfortable spaces for end users. Attendees will learn the best-practice methods for executing daylight harvesting; the benefits of automated shades systems and interior window treatments by way of solar properties of shades; and the applications of daylighting shade systems that conserve energy.

11:20 am

***Val U* with Sue Hurley and Scott Smith, Smith Brothers Insurance – 1 hour**

This case study highlights a prime architect and interiors and mechanical sub-consultants in the development of a multimillion-dollar hotel complex on a university campus. Issues include a tight schedule, a low-bid contractor and value engineering when there are cost overruns. Product substitutions ultimately lead to water intrusion and mold issues. The program key points are lack of communication, poor change management, lack of documentation regarding decisions, poor field observation and reports, failure to update specs, personnel continuity problems, low-bid contractor, value engineering, use of client-written agreement, mandatory arbitration, no written agreements with consultants, and failure to verify consultants' insurance coverage limits.

12:20 pm Lunch

1:15 pm

***Advancements and Solutions for Overhead Doors* with Rich Cunningham, Ed's Garage Doors Ltd. – 1 HSW**

This session will provide a comprehensive review of the materials, components, processes, and size and safety requirements for selecting and customizing various overhead doors. It will also cover several dynamic and innovative solutions to improve overall energy efficiency and sustainability.

2:30 pm

***Performance Glazing and Building Envelope Optimization* with Dave LoCascio, Assoc. AIA, A.W. Hastings & Co. / Marvin Windows/ Branford Building Supply – 1 HSW**

This course describes how Low E coatings work, both from scientific and applications perspectives. The manufacturing process of applying coatings to glass is shown, and benefits of Low E coatings for energy efficiency are presented.