ATS CONTINUING EDUCATION
ONLINE_SEMINAR
White Plains, NY - Tuesday, October 6th, 2020
Tuesday, October 06, 2020

America Training Solutions

07:45 AM Welcome, Credits, and Certificates

08:10 AM **Get Inspired! Design Smarter, Safer, and Greener with Innovation in Wood-Fram__ Construction**

Wood is a frequently overlooked building material for light-medium-commercial construction including mid-rise, multi-family, and mixed-use projects. This course features several North American examples that highlight the surprising capabilities of this natural resource. Many architects, engineers, and project owners often default to steel and concrete instead of wood for wall, floor, and roof assemblies. This course outlines: - common misconceptions and capabilities of code-approved wood applications. - the environmental and structural benefits of this sustainable natural resource. - the virtues of wood when engineered for pre-cut and pre-assembled components. - how wood applications integrate with building codes, construction techniques, and technical support. - how choosing wood first contributes to on-time and on-schedule projects with significant cost savings.

Eli Gould

Eli graduated with one of the first dual Architecture/Forestry degrees from Yale in the early ‘90s, with a conviction that the two fields would eventually be more linked. After a quarter century, this seems more true and even mainstream, but for many years it was an entrepreneurial effort in the small vertical wood prefab companies he ran in Vermont, and in the automated timber industry where he often consulted. For the last three years, Eli has brought those experiences into a nonprofit market development role for QWEB. When he’s not trying to transform the AEC industry into a positive climate force he enjoys small town and organic farm life in Vermont with his family.

QWEB (Quebec Wood Export Bureau) Provider #: 502111360
AIA #:QWEB01 HSW | GBCI (USGBC/CAGBC) #:920014585

09:10 AM **Making Sense of Sealants**

Participants will learn about the different families of sealants and how to choose the correct product for each application. We will discuss the effect of UV light on sealants and the difference between structural or non structural silicon sealant. And finally, the importance of surface preparation before sealing joints.

Denis Perron
Adfast Provider #: 404109250
AIA #:AdfSealant2020 HSW | GBCI (USGBC/CAGBC) #:920010342

10:10 AM Break

10:30 AM **Coating of Aluminum Extrusions 2018-2021**

Provides an overview of aluminum extrusion coatings and includes discussions on the aluminum extrusion process; a comparison of powder and liquid coatings; an overview of the chrome and the chrome-free pretreatment processes; and, the performance objectives of AAMA testing standards.

Taylor Coley
Barrette Outdoor Living Inc. Provider #: J696
AIA #:AG101 HSW | GBCI (USGBC/CAGBC) #:920017985

11:30 AM **Sound Control in Construction 18 old**

This course defines the importance of sound control in the building industry where proper design can help avoid Litigation & Remediation. We will discuss building code criteria including the International Building Code (IBC-1207) and the International Residential Code. We will Identify areas where sound control is necessary for wall & floor/ceiling assemblies. We will then offer an explanation of terminologies including: STC, IIC, NRC, Use Patterns and Flanking Sound. The mechanisms of sound transmission and its attenuation will be discussed including: Mass, Double Leaf Construction, Field Damped Mass, Decoupling, Unbalancing, Coincidence Effect and Sound Masking.

Manker Mills

Homasote Provider #: J582

AIA #:Soundatten18 HSW | GBCI (USGBC/CAGBC) #:920007666

12:30 PM Lunch

01:10 PM **Sliding Fire Doors in an Egress Path**

This course outlines the multiple ways in which sliding fire doors may be used to create open-concept designs while maintaining fire code compliance and life safety requirements. It will also cover Value Engineering uses of this product type. The information will be primarily shared through case studies of how architects have utilized the product in a multitude of projects since 1977 when the building codes first accepted the doors for use. Local fire code references, NYC code references, and the basic differences between Fire Walls, Barriers, and Partitions will be provided.

Sean Hilgeman

WonDoor Corporation Provider #: j498

AIA #:0wdfg1 HSW

02:10 PM **Understanding Material Hazard, Exposure and Risk in the Built Environment**

Product and materials selection is a critical aspect of the building design and construction process. A variety of factors drive materials selection decisions, including sustainability, health and wellness issues like indoor air quality, and the desire for innovative, functional, state-of-the-art building spaces that meet 21st century needs.

Learning Objectives:

1) Understand the differences between hazard, exposure, and risk in terms of chemical ingredients and materials selection

2) Recognize the limitations of hazard-only thinking when selecting building materials

3) Understand how to make comparisons of products based on ingredients, performance, cost and life cycle impacts

4) Identify the tools available to evaluate the safety of building products and materials

Jack Armstrong

American Chemistry Council (ACC) Provider #: 50111254

AIA #:ACC301 HSW | GBCI (USGBC/CAGBC) #:920019969

03:10 PM Break

03:30 PM **Introduction to Engineered Glazed Timber Curtain Wall**

Architects and Construction professionals understand the numerous benefits of building with wood. But, many are unaware of its application for a GLAZED TIMBER CURTAIN WALL (TCW). Today's advanced glazing technology provides opportunities to incorporate the beauty and energy-efficiency of wood into glazed facades that not only bring the outdoors in but also can serve as the building's heavy lifter. This course will present the differences between a conventional non-load-bearing curtain wall and a timber curtain wall (TCW) with load-bearing and non-load-bearing capabilities. We will also show applications of Timber projects using glulam mullions in North America.

Luc Paquet Archived
Unicel Architectural Corp Provider #: 404109249
AIA #:IC2tech2020 HSW | GBCI (USGBC/CAGBC) #:920019926

04:30 PM **Benefits of Ultra Low Permeability Concrete in the Building Envelope – An Integral Approach.**

The exceptional durability of portland cement concrete is a major reason why it is the world's most widely used construction material. But material limitations, design and construction practices, and severe exposure conditions can cause concrete to deteriorate, which may result in aesthetic, functional, or structural problems. The Portland Cement Association prescribes proper concrete coverage of reinforcing steel and a Low Permeability concrete mix design as the primary goals for "Best Practice". A talented, seasoned contractor is the answer to the first…..Vapor Lock enhanced concrete may be a reasonable answer to the second.

Scott Bergsbaken
SPG (Specialty Products Group) Provider #: K540
AIA #:SPG003 HSW | GBCI (USGBC/CAGBC) #:920014710

05:30 PM End