ATS CONTINUING EDUCATION
ONLINE_SEMINAR
Fire-Rated Products and Fire-Safety Design Solutions - Central Time Zone
Thursday, February 08, 2024

08:00 AM Welcome, Credits, and Certificates

08:05 AM **Implementing Fire rated Low Voltage Cable Management products in New & Existing Buildings**

This course examines Cable Management systems that are fire-rated for electrical, data-(ICT), and audio-visual applications in today's building designs. We will discuss how this infrastructure is required in commercial building designs. This presentation will review implementing the correct UL listed fire-rated products and how these rated systems will resist and help reduce/prevent the spread of fire, smoke, and toxic gases. This course will give an understanding of the proper design and correct installation of fire-rated wall and floor box assemblies. We will also review the correct installation of these products and methods in new and retrofit applications.

Glenn Collinge
FSR Inc Provider #: J721
AIA #:FSR 731 LU | GBCI (USGBC/CAGBC) #:

09:05 AM *Review of Session Code Process*

09:10 AM **1-Hr Fire-Retardant-Treated Wood in Today's Building Code**

This session is a discussion of fire-retardant-treated wood's technical characteristics and building code-related applications. Emphasis is placed on the testing and labeling required by the International Building Code. The building code, as with many products, regulates the use of wood in construction. Two broad categories separate materials: combustible and noncombustible. Codes limit the applications of combustible materials on the basis of fire and life safety. The question is then, are there options available to using wood in lieu of a noncombustible material. Fire Retardant Treated Wood (FRTW) provides that option. Codes recognize FRTW for many applications where a noncombustible material is mandated.

Christopher Athari
Hoover Treated Wood Products Provider #: J583
AIA #:FRTW1 HSW | GBCI (USGBC/CAGBC) #:

10:10 AM Break

10:30 AM **Design Commercially with SIPs (Structural Insulated Panels)**

This course is an overview of the commercial application of structural insulated panels (SIPs) in Type V Construction (i.e. hotels, offices, multi-family, schools). The designer will gain an understanding of how to properly utilize SIPs for their off-site construction advantages of installation speed, waste minimization, energy efficiency, and sustainability.

Jack Armstrong
SIPA Structural Insulated Panel Association Provider #: 50111211
AIA #:SIPs C101 HSW | GBCI (USGBC/CAGBC) #:

11:30 AM **An Architect's Guide to Head-of-Wall Joint Systems**

Guide to dynamic and static joint protection for head-of walls. This course covers the requirements for the intersection of partitions and floor systems.

Anthony M Stazzone
Marino\Ware Provider #: J835
AIA #:MW003-22 HSW | GBCI (USGBC/CAGBC) #:

12:30 PM Break

12:50 PM **Smoke Containment Strategies for Elevator Hoistways & Lobbies**

This course explains how smoke migrated in a multi-story building fire and discusses how building codes have evolved to address this danger and why they mandate smoke containment in specific areas of a structure. Product applications and assemblies designed to meet building code requirements and limit vertical smoke migration via elevator hoistways and lobbies are explained.

Candace Kitchen
Total Door Systems - Architectural Door Consultants Provider #: J149
AIA #:TD-SCSEH-F2F HSW | GBCI (USGBC/CAGBC) #:

01:50 PM **Salty Timbers : A guide to sodium borate treatment technologies in the FRTW, IRTW, and wood structure preservation fields**

An architect’s perspective on wood preservation treatment technologies is needed to balance the considerations of building durability while protecting the health and welfare of building occupants. This course uses case studies in single ingredient mineral salt treatments, whose known origin and chemistry can lower the impact of construction material supply chains. FRTW (Fire Resistant Treated Wood) is regulated by certifications in the US, with specific applications in mid-rise, multi-family, and mixed-use projects. Specifiers who want to access the environmental and structural benefits of a sustainable natural resource by using FRTW, have to navigate a complex web of factors including chemistry, effects on fasteners, and regulations that have evolved to ensure safety and code compliance in critical structural components. IRTW (Insect Resistant Treated Wood) is a standards-based regulatory framework with a wide variety of treatment intensities, use classifications, and chemical ingredients. The southern US and Caribbean basin offer study of multiple environmental conditions and code frameworks. Mineral salt treatments are unique in their ability to span both of these markets with a single ingredient. Although sodium borate’s low human and eco-toxicity has been know for centuries, the modern potential of mineral salt treatments for wood are shown most clearly by recent technologies that have been able to clear the hurdles of US certification and patent processes.

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 #:QWEBSalty HSW | GBCI (USGBC/CAGBC) #:

02:50 PM End




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