



08:00 AM [Welcome, Credits, and Certificates](#)

08:05 AM **Designing Low Voltage Technology Infrastructure Spaces**

Modern environments such as classrooms, collaboration, meeting and board rooms have seen a transformation in both their overall layout and how they are being utilized, post pandemic. Low voltage systems, IT, AV, and building managements systems in the past were stand alone systems and this isolation between them caused issues for the users experience in a negative way. By working together on the early design phases, this will eliminate many challenges for designers and engineers planning a space layout. Audiovisual and data applications in various spaces will be covered, and the connectivity requirements associated with them for onsite and remote applications. This presentation will show how combining facility management, IT and AV teams on the usage of the spaces early in the process will enhance the user's experiences. A variety of ceiling, wall and floor boxes as cable management solutions will be addressed. The different features of these boxes will be covered, as well as UL requirements, electrical issues, the merging of technology aesthetics and developments in connectivity will also be discussed. Various connectivity and cable management solutions within tables and other furniture will be covered.

Glenn Collinge  
FSR Inc Provider #: J721  
AIA #:FSR 727 HSW | GBCI (USGBC/CAGBC) #:

09:05 AM [Review of Session Code Process](#)

09:10 AM **An Architects Guide to Fire Rated Head-of-Wall Fire Joints**

In this one-hour course, design professionals will gain knowledge of head-of-wall, bottom-of-wall and wall-to-wall assemblies, as well as the respective UL standards for approval, It will discuss different joint treatment types and the components involved with each application. By the end of the course, design professionals will be able to specify, install, and operate fire resistance joints and joint protection to ensure occupant safety.

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

10:10 AM [Break](#)

10:20 AM [Sponsor: QWEB \(Quebec Wood Export Bureau\) - 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.

10:30 AM

### **Integrated Fire and Smoke Door Systems: Specifying Your Own Safety Net**

In this course we will discuss integrated doors systems, sustainability, compliance, and code. We will understand the importance of smoke and fire protection in various applications and vertical markets and how with the proper protection from integrated door systems, you can save lives. We will present benefits of the integrated door system for fire and smoke. As a learner, you will have the opportunity to see real life examples and apply those to current buildings. You will see how and when to use these systems and the simplicity there is where so much weight is on your shoulders.

Candace Kitchen

Total Door Systems - Architectural Door Consultants Provider #: J149

AIA #:TD-IFSDS-F2F HSW | GBCI (USGBC/CAGBC) #:

11:30 AM

### **PreFabricated Fireproof Columns**

Structural fire protection guards essential structural components from the devastating effects of fire. This course examines the various active and passive fireproof methods that are available with a focus on the features, types, and design considerations of prefabricated fireproof structural columns designed for exposed exterior and interior load-bearing columns. We also discuss Glass Fireproof Columns and possible applications.

Tricia Brindle

Fire-Trol Provider #: 10008964

AIA #:USFT01 HSW | GBCI (USGBC/CAGBC) #:920026530

12:30 PM

Break

12:50 PM

Sponsor: [Boralife Technologies Inc. - Andrea Buckley](#)

01:00 PM

### **Designing For Fire Safety**

When considering the building enclosure, fire safety is an important design factor and needs to be considered hand-in-hand with energy code requirements. By developing a better understanding of how the material and systems testing standards for fire safety can impact the overall design, architects and designers can confidently and freely design spaces that could save lives in the event of fire. This presentation will review common fire standards including NFPA 285 test standard. It will outline the criteria for compliance, as well as identify triggers and contributors under the different standards. Participants will review how the selection building components such as insulation, air/water resistive barriers, claddings finishes, can affect the fire performance of an assembly, and identify solutions and common paths for compliance.

Robert Blount

Rockwool Provider #: K269

AIA #:RWNA210501 HSW | GBCI (USGBC/CAGBC) #:

02:00 PM

### **Rigid Insulation Product Knowledge and Uses**

This course will review an in-depth breakdown of the current uses of rigid insulation in the construction industry. The attendees will learn more about the differences of rigid insulation products and the recommended uses of each product type. Discussion points to include the changes of the current energy codes and the requirements for the use of continuous insulation in the majority of future projects. The participant will be able to better evaluate their current building assemblies and understand the requirements that are dictated by current codes.

Lee Bybee

Ox Engineered Products Provider #: 40107972

AIA #:OXAIA403 HSW | GBCI (USGBC/CAGBC) #:920027326

03:00 PM

End



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