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08:00 AM	Welcome, Credits, and Certificates

08:05 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.

Patricia Brindle
Fire-Trol   Provider #: 10008964
AIA #:USFT01 HSW | GBCI (USGBC/CAGBC) #:920029471

09:05 AM	*Review of Session Code Process*

09:10 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) #:

10:10 AM	Break

10:20 AM	Sponsor: Chemical Technologies Holding, Inc - Matt Visconti

10:30 AM	**Smoke Containment Strategies for Elevator Hoistways & Lobbies**

The spread of smoke in mid- and high-rise building fires is recognized as a major threat to the safety of the building occupants and responding fire personnel and the effectiveness of firefighting operations. This course explains how smoke migrates 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 examined.

Candace Kitchen
Total Door Systems - Architectural Door Consultants   Provider #: J149
AIA #:TD-SCSEH-F2F24 HSW | GBCI (USGBC/CAGBC) #:

11:30 AM   **Opening Doors to Design Opportunities with the Model Building Codes**

This course covers the fundamental principals of the IBC 2018 and 2021. Included but not limited to is an understanding of fire walls, fire barriers and a brief review of opening protective applications. Discussion and case studies will also cover area separation, elevator lobbies, shaft enclosures, mixed use occupancy, horizontal exits and atriums.

Christina Keegan
McKEON   Provider #: J497
AIA #:CODE 10-A4 HSW | GBCI (USGBC/CAGBC) #:

12:30 PM   End