



ATS CONTINUING EDUCATION
ONLINE_SEMINAR
Structural Building Solutions - Eastern Time Zone
Tuesday, September 05, 2023



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

08:05 AM **Understanding Advanced Wall Systems with Continuous Insulation**

This session explores evolving trends in building enclosure technology, and subsequent changes in energy efficient building design; with especial focus on the role of continuous exterior insulation (CI). The net energy savings realized in a properly insulated building are by now well understood, and these savings are increasingly being required by stringent local building and energy codes. Current building science research and field monitoring data will be presented, to demonstrate how the effective R value of various insulating materials perform and change in differing regional climates, temperature ranges, and seasonal conditions. Strategies for designing and constructing highly insulated and cost effective wall assemblies while still minimizing thermal bridging are also discussed.

Rob Klein
Rockwool Provider #: K269
AIA #:RWNA202 HSW | GBCI (USGBC/CAGBC) #:920023529

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

09:10 AM **Mastering Timber: How, When, and at What LOD to Introduce Carbon-Fixing Assemblies into Architectural Design**

Introduce wood structure and biogenic material alternatives at the proper level of detail in schematic design.

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

10:10 AM [Break](#)

10:20 AM [Sponsor: OS Block - Tony Levesque](#)

10:30 AM

Unearthing Stability: The Advantages of Helical Piles and What to Look for in a Manufacturer

Helical piles are becoming the industry's choice for supporting structures. With decades of testing and real-time capacity calculations, engineers, architects, and contractors can feel confident in specifying helical piles no matter the soil or building type.

Not all helical piles are made the same. In addition to benefits, applications, and installation, this course will provide you with what to look for in a helical-pile manufacturer, including:

- a true helix shape and pile-head conformity,
- steps to protect the environment,
- testing data,
- a safety factor,
- stamped technical sheets, and
- code compliance.

James Buzzell

GoliathTech Provider #: 10026314

AIA #: HelicalPile101 HSW | GBCI (USGBC/CAGBC) #: 920028575

11:30 AM

[Sponsor: NA Structure - Lorne Kelly](#)

11:50 AM

8" Deep - Long Span Deck for use in Elevated Concrete Floor Application

This course will provide an understanding of the attributes of 8" deep –long span deck. It will define the system, examine the overall installation process, explore the incorporation to various structural systems and define the benefits of the structural floor system.

Doug Bathurst

Comslab/ Bailey Metal Provider #: 40108035

AIA #: AIA-COMSLAB-22 HSW | GBCI (USGBC/CAGBC) #:

12:50 PM

[End](#)



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