

Mass Timber Construction: The Future is Here Now

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ABSTRACT

Due to their high strength, dimensional stability and positive environmental performance, mass timber building products such as glue-laminated timber (glulam) and cross laminated timber (CLT) are quickly becoming materials of choice for sustainability-minded designers. This presentation will provide a detailed look at the variety of mass timber building products available, applications for their use under modern building codes, and examples of their use in U.S. projects. Mass timber's ability to act as both structure and exposed finish will be highlighted, as will its performance as part of an assembly, considering design constraints such as fire resistance, acoustics and energy efficiency. Other topics will include detailing and construction best practices, lessons learned from completed projects and trends for the increased use of mass timber products in the future.

BIOGRAPHY

Ricky is a licensed Structural Engineer and Professional Engineer in the states of New York, Massachusetts, New Hampshire and Vermont, and is a Technical Director of Architectural and Engineering Solutions for the WoodWorks program. He has extensive experience in lead engineer roles related to the structural design, project management and construction administration of new single-family, multi-family, municipal, industrial, and mixed-used buildings. Before joining WoodWorks, Ricky was a Senior Structural Engineer for a New England-based consultant, working on projects in the Northeast from Maine to Maryland. He is Executive Director of the Structural Engineers Association of Vermont and is a member of the ASCE Structural Wind Engineering Committee. Ricky received a BS in Civil Engineering from the University of Maine and an MS in Structural Engineering from Norwich University.