Seedlings to Solutions

Presented by Troy Harris

Disclaimer: This presentation was developed by a third party and is not funded by WoodWorks or the Softwood Lumber Board.
Benefits of Mass Timber Construction

**Small Carbon Footprint**
Mass timber buildings can have a total carbon footprint 1/3 SMALLER than similarly sized steel and concrete buildings.

**High R-value**
R-value - a measure of an insulation’s ability to reduce the rate of heat flow - is 400X HIGHER than steel (10x higher than concrete).

**Extremely Light**
Mass timber is 30-40% LIGHTER than concrete, enabling smaller foundations and less fuel consumed during transport.

Source: ThinkWood.com

The potential carbon benefit of Jamestown’s planned mass timber building at Ponce City Market is 2,583 metric tons of carbon dioxide, which is equivalent to removing 546 cars from the road for a year.

Source: WoodWorks Wood

**Supply Chain**
Whereas most timber for mass timber construction is currently sourced from BC, Canada, Austria or Germany, Jamestown is utilizing regional timber and vendors for the construction of its project in Atlanta, reducing the transportation required to move timber through the manufacturing process by thousands of miles.
Georgia-Grown Mass Timber Building

Seedlings to Solution
Ponce City Market Phase II
- 100,000 sf LEED Gold-designed office building featuring light-filled, customizable floorplates and private outdoor balconies
- 25,000 sf of retail and restaurant space, offering a seamless, direct connection to a new courtyard and the neighborhood

• ESG Focused
  - Mass Timber (like CLT) is an environmentally-friendly, sustainable, and carbon-neutral alternative to traditional construction methods
  - Utilizing sustainable materials is one component of Jamestown’s commitment to achieve net zero operational carbon by 2050

Timber is grown locally in Georgia and Alabama
Trees are harvested and taken to lumber mills in Georgia
Lumber is taken to a plant in Alabama to be manufactured into cross-laminated timber (CLT) panels
CLT panels are used to construct mass timber building at Ponce City Market in Atlanta
Glulam Beams
Questions?

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This concludes The American Institute of Architects Continuing Education Systems Course

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