

U.S. TALL WOOD BUILDING PRIZE COMPETITION

September 2015

The U.S. Department of Agriculture, in partnership with the Softwood Lumber Board and the Binational Softwood Lumber Council, announced the winners of the U.S. Tall Wood Building Prize Competition in September 2015. The two winning development teams were selected by a panel of distinguished jurors in the architecture and engineering fields, and have been granted a combined \$3 million in funding to support the development of tall wood demonstration projects in New York City, New York and Portland, Oregon.

COMPETITION PURPOSE

The Competition was established to showcase the safe application, practicality and sustainability of a minimum 80-foot tall structure that uses mass timber, composite wood technologies and innovative building techniques, as well as provide scientific and technical support to encourage and support the design and construction of tall wood projects in the U.S. The ultimate goal is to support employment opportunities in rural communities, maintain the health and resiliency of the nation's forests, and advance sustainability in the built environment.

Framework: An Urban + Rural Ecology

- **Location:** Pearl District, Portland, OR
- **Height:** 130' / 12 stories
- **Total Building Area:** 90,000 square feet
- **Building Uses:** Ground floor retail; 5 office floors; 5 apartment floors; Rooftop amenity
- **Materials:** Cross laminated timber floors and lateral force resisting system; Glue laminated beams and columns
- **Projected Completion Date:** December 2017

475 West 18th: Setting the Stage for Innovation, Engineering and Architecture

- **Location:** West Chelsea, Manhattan, NY
- **Height:** 120' / 10 stories
- **Total Building Area:** 50,000 square feet
- **Building Uses:** Residential condominium with ground floor commercial space
- **Materials:** Mass timber columns, beams, shear walls and floors
- **Projected Construction Start Date:** Fall 2016



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PROJECT TEAMS

Framework Project Team

Portland, Oregon

Owner: The Framework Project, LLC

Land Owner: Beneficial State Bancorp

Development Team: project^

Architect: LEVER Architecture

Structural Engineer: KPFF Consulting Engineers

M/E/P: PAE Consulting Engineers

Affordable Housing/Investor: Home Forward

Fire/Timber & Environmental Engineer: Arup

General Contractor: Walsh Construction

475 West 18th Project Team

Chelsea, New York

Owner: 130-134 Holdings LLC

Development Team: 130-134 Holdings LLC
and Spiritos Properties LLC

Architect: SHoP Architects

Structural Engineer: Arup

M/E/P: ICOR Consulting Engineers

Environmental Consultant: Atelier 10

Fire and Timber Engineer: Arup

General Contractor: Not yet selected

BENEFITS OF TALL WOOD BUILDINGS

For single, multi-family and mixed residential construction, wood typically costs less—economically and environmentally—while delivering more in terms of its beauty, versatility and performance. It can be used as a low-carbon alternative to steel, masonry and concrete in many applications. Innovative new technologies and building systems have enabled longer wood spans, taller walls and higher buildings, and continue to expand the possibilities for wood use in construction.

The choice of products used to build, renovate and operate structures consumes more of the earth's resources than any other human activity. Wood is the only building material that sequesters carbon, thus significantly reducing the overall carbon footprint of a project.

Additional information on the benefits of tall wood buildings can be found at www.rethinkwood.com.

WHAT'S NEXT?

The Framework Project, LLC and 130-134 Holdings LLC will each receive \$1.5 million to embark on the exploratory phase of their projects, including the research and development necessary to utilize engineered wood products in high-rise construction in the U.S. While the current U.S. building code does not allow for more than six stories of wood frame construction, both winning teams have obtained early permission to proceed from their respective authorities having jurisdiction as part of the Competition evaluation criteria.

For More Information on the U.S. Tall Wood Building Prize Competition: www.tallwoodbuildingcompetition.org

For More Information on the USDA or the Forest Products Laboratory: www.usda.gov

For More Information on the Softwood Lumber Board: www.softwoodlumberboard.org

For More Information on the Binational Softwood Lumber Council: www.softwoodlumber.org

