

MASS TIMBER CONSTRUCTION & MANUFACTURE

Growing Momentum in Michigan



MICHIGAN STATE
UNIVERSITY

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*For Michigan House Natural Resources, Environment, Tourism and
Outdoor Recreation Committee*

May 18, 2023

MASS TIMBER IS:

“... a category of framing styles typically characterized by the use of large solid wood panels for wall, floor, and roof construction. It also includes innovative forms of non-building structures, formed from solid wood panel or framing systems of six feet or more in width and depth”

--American Wood Council



MSU STEM TEACHING + LEARNING FACILITY

MICHIGAN'S FIRST MAJOR MASS TIMBER BUILDING



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Mobilizing education, science, outreach, communication, and policy to advance mass timber construction and manufacture in Michigan and the surrounding region.



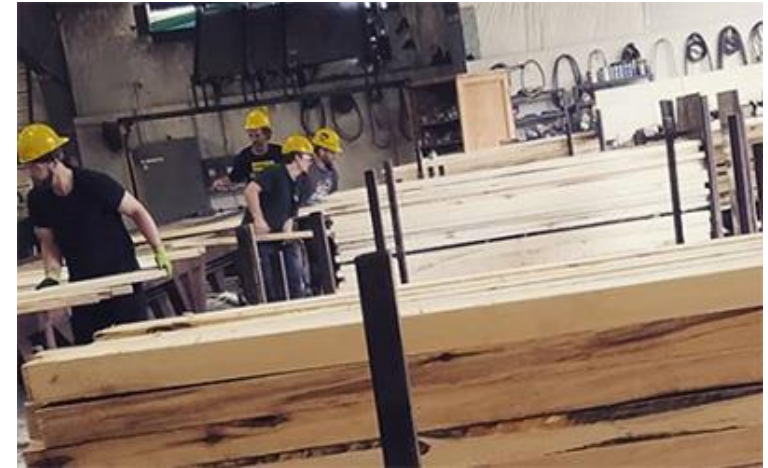
MASS TIMBER BENEFITS



FOR CONSTRUCTION



*FOR FORESTS, CLIMATE, +
SUSTAINABILITY*



FOR JOBS + ECONOMY



MASS TIMBER DEMAND AND SUPPLY



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MI MASS TIMBER DEMAND – 32+ PROJECTS

BUILDING TYPES

- Education - K-12 & Uni.
- Mixed use
- Affordable Housing
- Live/Work
- Training
- Multifamily

LOCATIONS

- East Lansing
- Marquette
- Newberry
- Cedarville
- Troy
- Traverse City
- Westland
- Muskegon
- Wayland
- Kalamazoo
- Ann Arbor
- Detroit



MASS TIMBER FEEDSTOCK

■ SOFTWOODS

- Spruce-Pine-Fir
- Douglas Fir
- Southern Yellow Pine

■ MICHIGAN FOREST MIX

- 30% Softwood
- 70% Hardwood



MANUFACTURE IN NORTH AMERICA

- DR Johnson Lumber (Riddle, OR)
- Freres Lumber (Lyons, OR)
- International Beams (Dothan, AL)
- SmartLam (Whitefish, MT)
- Structurelam (Penticton, BC, Canada)
- Nordic (Chibougamau, QC, Canada)
- StructureCraft (Abbotsford, BC, Canada)
- Element 5 (St. Thomas, ON, Canada)
- Vaagen Timbers (Colville, WA)
- Structurelam (Conway, AR)
- Sterling (Phoenix, IL/Lufkin, TX)



MASS TIMBER@MSU

OUTREACH + ENGAGEMENT

- Expand MI Mass Timber Knowledge
 - Leverage MSU STEM Building as Living Lab
 - More Than 1000 People – Tours & Presentations
 - Technical Assistance
 - Mass Timber Webinars
 - International Mass Timber Conference - 60+ MI in 2023
 - Michigan Mass Timber Update – 150



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RESEARCH & EDUCATION

- MI Mass Timber Supply Chain Analysis and Demand Survey
- Piloting MI-sourced nail-laminated timber in two U.P. projects
- National mass timber curriculum for 2-year/4-year schools



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POLICY OPPORTUNITIES

- MI Healthy Climate Plan
- Building Codes
- Incentives for Use/Manufacture
- U.S. Farm Bill

MI HEALTHY CLIMATE PLAN



CONTACT



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VISIT OUR WEBSITE AT:

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