

WoodWorks Mass Timber Construction Management Program



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credit www.naturallywood.com

Cathedral of Christ the Light
Skidmore, Owings & Merrill LLP
Cesar Rubio Photography

UW MercerCourt, credit WG Clark Construction and
Ankrom Moisan Architects

MASS TIMBER OVERVIEW



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PRODUCTS
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Heavy Timber
Photo: Benjamin Benschneider



Mass Timber
Photo: John Stamets

Glue Laminated Timber (Glulam)
Beams & columns



Cross-Laminated Timber (CLT)
Solid sawn laminations



Cross-Laminated Timber (CLT)
SCL laminations



Photo: Freres Lumber



Photo: StructureCraft



Photo: LendLease



Photo: LEVER Architecture

Dowel-Laminated Timber (DLT)



Photo: StructureCraft

Nail-Laminated Timber (NLT)



Photo: Think Wood

Glue-Laminated Timber (GLT)
Plank orientation



Photo: StructureCraft



Photo: StructureCraft

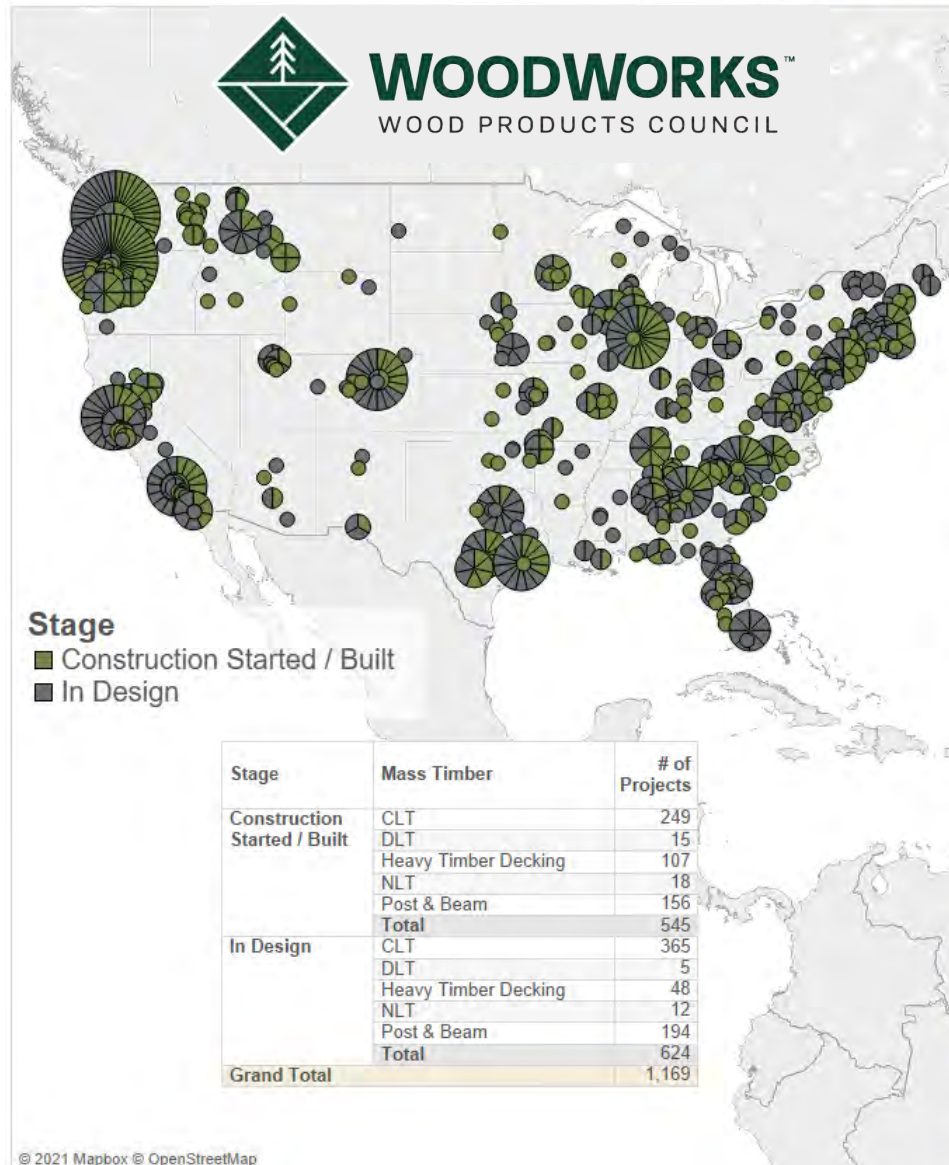


Photo: Ema Peter



Photo: Manasc Isaac
Architects/Fast + Epp

Mass Timber Projects In Design and Constructed in the US (June 2021)



State	Stage		State	Stage	
AK	In Design	2	MS	Construction Started / Built	1
AL	Construction Started / Built	8		In Design	3
	In Design	13	MT	Construction Started / Built	12
AR	Construction Started / Built	6		In Design	11
	In Design	7	NC	Construction Started / Built	26
AZ	Construction Started / Built	2		In Design	28
	In Design	3	ND	In Design	1
CA	Construction Started / Built	69	NE	Construction Started / Built	3
	In Design	109		In Design	7
CO	Construction Started / Built	19	NH	Construction Started / Built	1
	In Design	21		In Design	3
CT	Construction Started / Built	7	NJ	Construction Started / Built	1
	In Design	6		In Design	11
DC	Construction Started / Built	5	NM	Construction Started / Built	1
	In Design	8		In Design	1
DE	Construction Started / Built	1	NV	In Design	2
FL	Construction Started / Built	20	NY	Construction Started / Built	13
	In Design	40		In Design	32
GA	Construction Started / Built	11	OH	Construction Started / Built	7
	In Design	21		In Design	9
HI	Construction Started / Built	2	OK	Construction Started / Built	3
	In Design	1		In Design	2
IA	Construction Started / Built	3	OR	Construction Started / Built	61
	In Design	4		In Design	23
ID	Construction Started / Built	7	PA	Construction Started / Built	7
	In Design	3		In Design	8
IL	Construction Started / Built	15	RI	Construction Started / Built	3
	In Design	15		In Design	1
IN	Construction Started / Built	3	SC	Construction Started / Built	18
	In Design	1		In Design	5
KS	Construction Started / Built	2	SD	Construction Started / Built	1
	In Design	2		In Design	1
KY	Construction Started / Built	4	TN	Construction Started / Built	8
	In Design	2		In Design	3
LA	Construction Started / Built	1	TX	Construction Started / Built	31
	In Design	3		In Design	46
MA	Construction Started / Built	25	UT	Construction Started / Built	6
	In Design	34		In Design	9
MD	Construction Started / Built	4	VA	Construction Started / Built	7
	In Design	6		In Design	9
ME	Construction Started / Built	5	VT	Construction Started / Built	2
	In Design	10		In Design	11
MI	Construction Started / Built	2	WA	Construction Started / Built	69
	In Design	11		In Design	48
MN	Construction Started / Built	11	WI	Construction Started / Built	20
	In Design	3		In Design	16
MO	Construction Started / Built	8	WV	Construction Started / Built	2
	In Design	8	WY	Construction Started / Built	2
				In Design	1

Considering mass timber for a project?
Ask us anything.

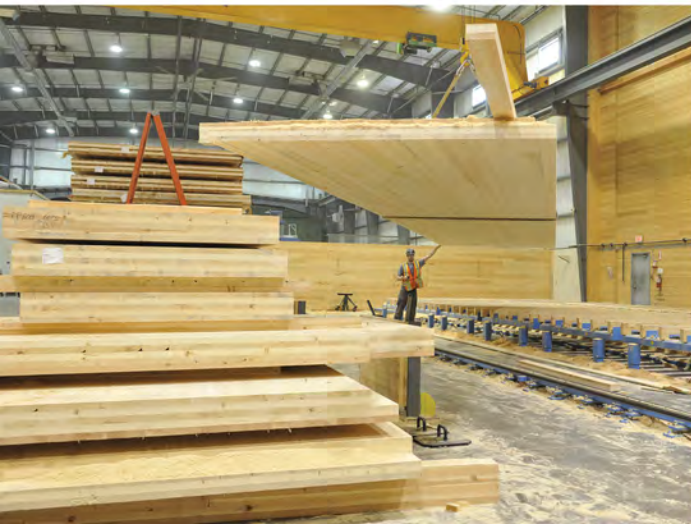
For free project support, contact:

help@woodworks.org

woodworks.org/project-assistance

Obstacles Preventing the Increased Adoption of Sustainable Mass Timber

A study of 84 projects that could not clear the hurdles



Report created for ClimateWorks
By WoodWorks – Wood Products Council

Credits clockwise from top: Catalyst, Katerra + MGA | Michael Green Architecture © Ben Benschneider; T3, MGA | Michael Green Architecture, DLR Group, photo Ema Peter; Weyerhaeuser, photo Gary Darby; photo www.naturallywood.com

Mass Timber Obstacles Report Results

Obstacle	Number of Times Noted	Percent of Projects That Experienced This Issue
Cost	42	50%
Lack of general contractor/installer experience	32	38%
Design limitations	31	37%
Design team education needed	18	21%
Comparative business case needed	14	17%
Building code	14	17%
Lack of owner/developer familiarity	10	12%
Material supply/manufacturing	9	11%
Design too far along to switch	9	11%
Project did not go forward at all	7	8%
Durability	4	5%
	190	84 Projects

WoodWorks Construction Management Program

- *The WoodWorks CMP seeks to engage and educate contractors to improve bid quality and increase the number of projects that come to market. We also seek to train installation labor through partnerships with training centers around the country.*



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MASSTIMBER CONSTRUCTION MANUAL

FINAL DRAFT
Pending Release



Construction Management Program



MASS TIMBER
CONSTRUCTION
MANUAL



8- & 16-HOUR
INSTALLER TRAINING
PACKAGE TRAINING
CENTERS



COMMUNITY
COLLEGE
AND UNIVERSITY
PROGRAMS



VIRTUAL AND/OR IN-
PERSON WORKSHOPS



PARTNER WITH
CONSTRUCTION
ASSOCIATIONS



PROJECT TOURS



ENGAGE WITH
GENERAL
CONTRACTORS
ACROSS THE US

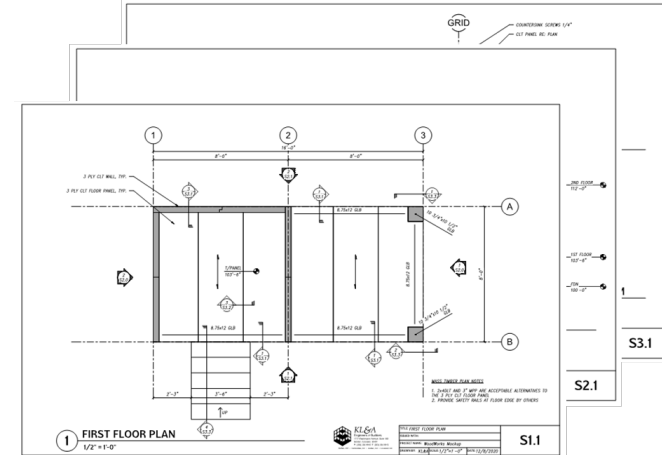
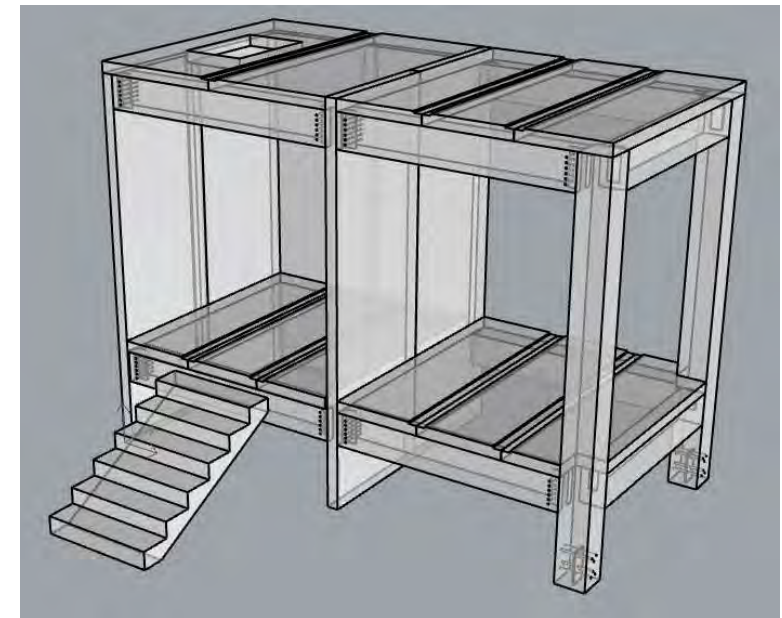


Photo Credit: WoodWorks



Results to date...

- WoodWorks sponsored training programs....
 - 3 Established Training Centers currently
 - Installer training agreements with 4 additional locations with additional locations pending
 - Over 3500 hours of hands on training
- Construction Management Workshops 2019 – 2021
 - 216 attendees at in-person regional events (Pre COVID)
 - 1050+ attendees at nationally distributed virtual events this year



Photo Credit: Northwest Carpenters Institute of Washington



Photo Credit: WoodWorks



Photo Credit: Chicago Carpenters Training Center



We're stronger together.

Our network of affiliated professionals offer a wealth of shared knowledge, expertise, and opportunity for growth. Find experienced professionals who share a mutual interest in the future of timber design and construction.

ARCHITECTS

ENGINEERS

CONTRACTORS

INSTALLERS

DEVELOPERS

[+ VIEW ALL](#)



**WOODWORKS
INNOVATION
NETWORK**

Photo: Marcus Kauffman



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First Tech Federal Credit Union, Hacker, photo Jeremy Bittermann