

Free Online Resources: woodworks.org

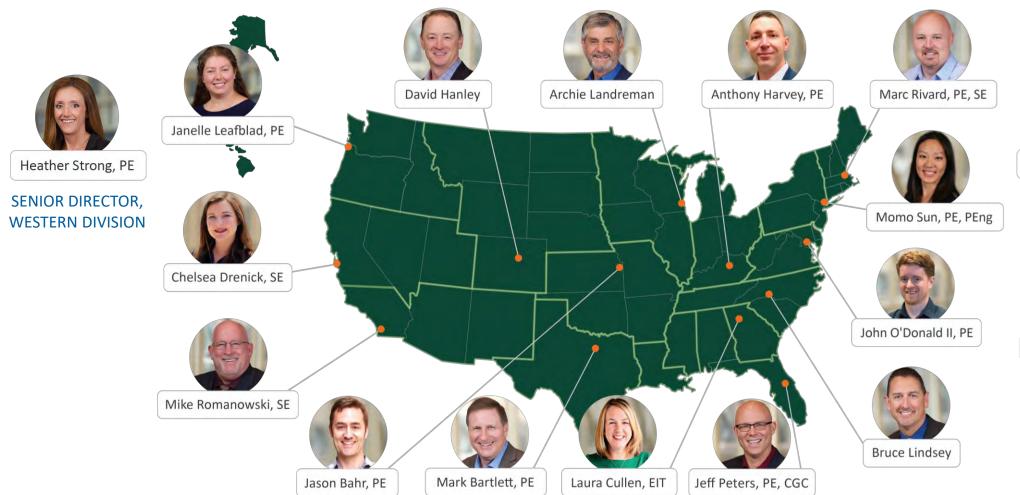
- » Expert tips
- » Heights & Areas Calculator
- Carbon Calculator
- Case Studies
- » CEUs
- Wood Solution Papers
- » Project Gallery
- Webinar Archive



Design Professionals:

One-on-One Support & Assistance

PROJECT SUPPORT FIELD DIVISION







Jason Reynolds, MBA, DBIA





Brandon Brooks, MBA, PMP

CONSTRUCTION
MANAGEMENT
PROGRAM MANAGER

RESOURCES & UPCOMING EVENTS

New WOOD SOLUTION PAPER — coming soon

Taking the Guesswork out of Mixed-Use Building Requirements





November 10th | WEBINAR

Mass Timber Structural Design: Tips for Practicing Engineers

December 3 | WORKSHOP Construction Management

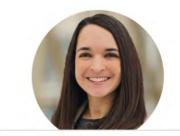
December 8th | WEBINAR
Interior Wall and Floor Assemblies
in Mid-Rise Multi-Family: Designing
for Fire, Acoustics & Structure

Meet the **Help Desk**





Scott Breneman, PhD, PE, SE



Ashley Cagle, PE, SE



Karen Gesa, PE



Melissa Kroskey, AIA, SE



Terry Malone, PE, SE



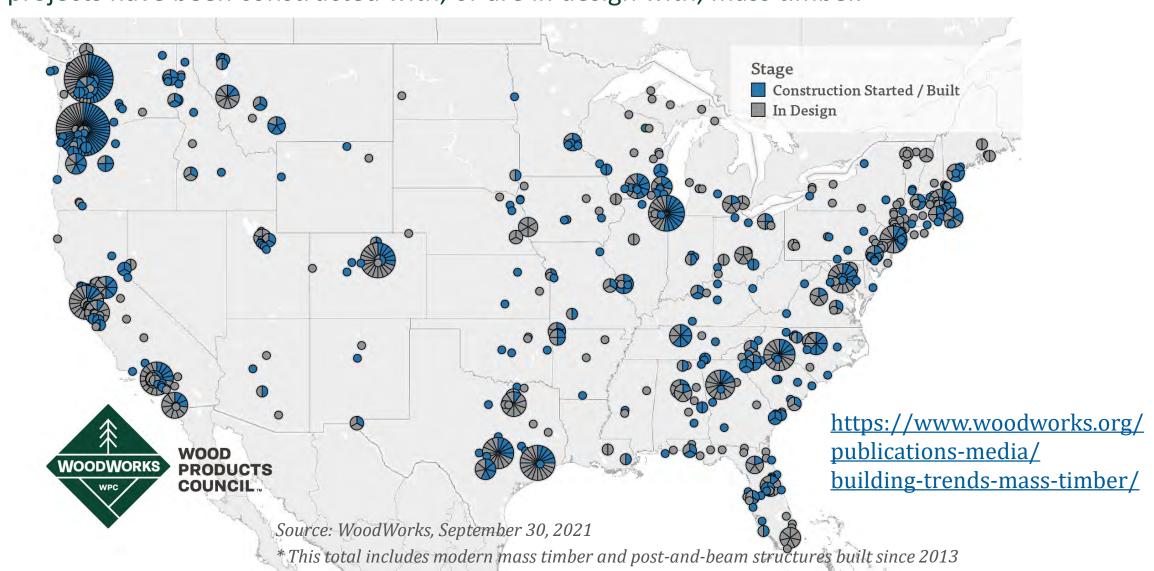
Ricky McLain, PE, SE

Need technical assistance on a project?

Email: help@woodworks.org

Current State of Mass Timber Projects

As of September 2021, in the US, **1,241** multi-family, commercial, or institutional projects have been constructed with, or are in design with, mass timber.



New for GCs and installers:

U.S. Mass Timber Construction Manual





Download free at woodworks.org

Tall Mass Timber: Where Are We Now, Where Can We Go, and How Do We Get There?



Glue Laminated Timber (Glulam)
Beams & columns



Cross-Laminated Timber (CLT)
Solid sawn laminations



Cross-Laminated Timber (CLT)
SCL laminations









Dowel-Laminated Timber (DLT)



Photo: StructureCraft





Photo: Think Wood

Glue-Laminated Timber (GLT) Plank orientation



Photo: StructureCraft







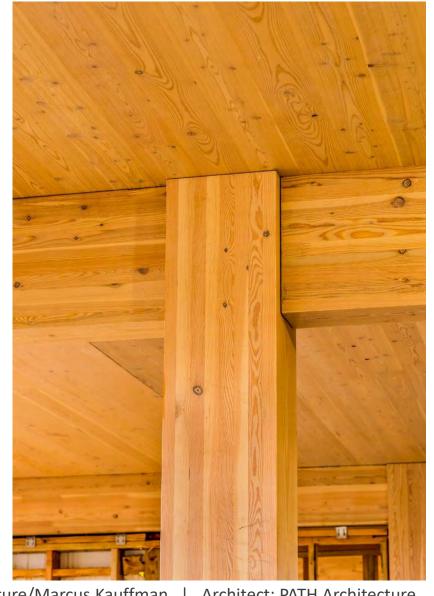




BROCK COMMONS, BRITISH COLUMBIA 18 STORIES | 174 FT







Photos: Baumberger Studio/PATH Architecture/Marcus Kauffman | Architect: PATH Architecture















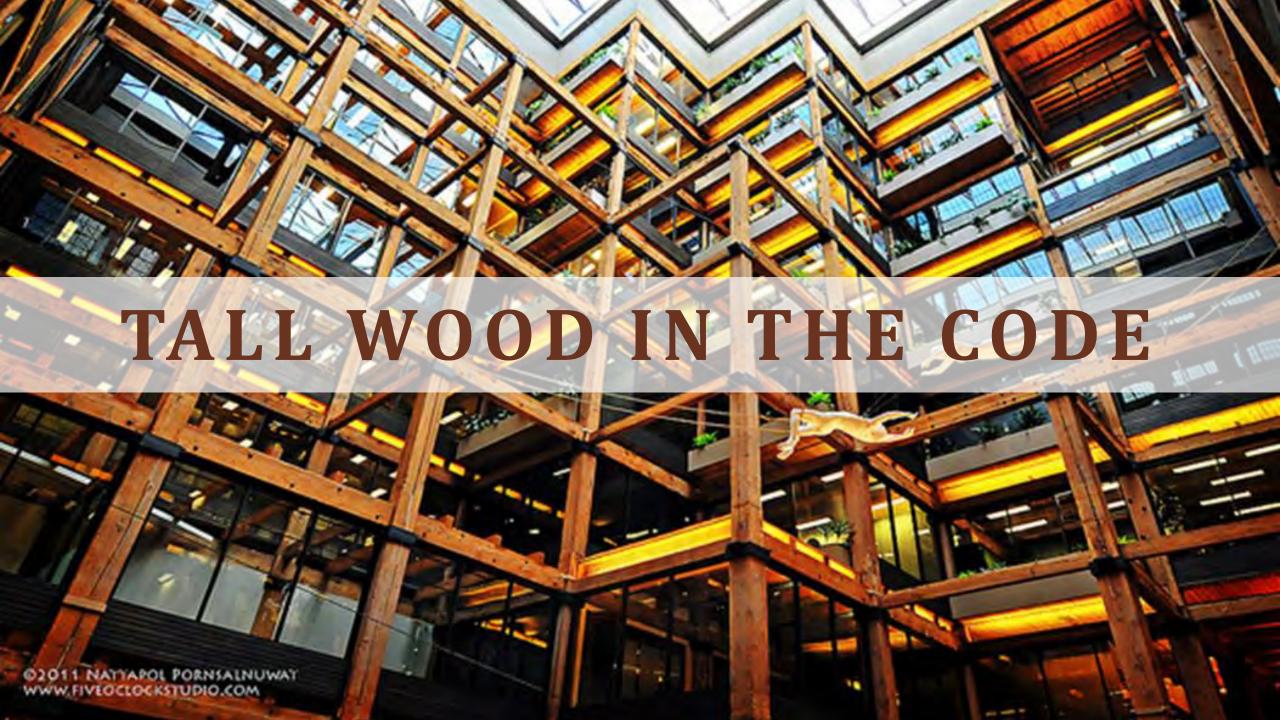
APEX CLEAN ENERGY HQ

8 STORIES

CHARLOTTESVILLE, VA

6 TIMBER OVER 2 PODIUM, 100 FT



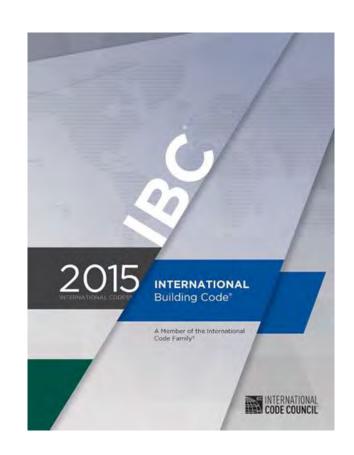




Seen as the catalyst for the mass timber revolution, CLT first recognized in US codes in the 2015 IBC

[BS] CROSS-LAMINATED TIMBER. A prefabricated engineered wood product consisting of not less than three layers of solid-sawn lumber or *structural composite lumber* where the adjacent layers are cross oriented and bonded with structural adhesive to form a solid wood element.

2303.1.4 Structural glued cross-laminated timber. Cross-laminated timbers shall be manufactured and identified in accordance with ANSI/APA PRG 320.



SO, WHAT'S CHANGED??



Since its debut, IBC has contained 9 construction type options 5 Main Types (I, II, III, IV, V) with all but IV having sub-types A and B

TYI	PEI	TYPE II		TYP	EIII	TYPE IV	TYPE V		
Α	В	A	В	Α	В	HT	Α	В	

U.S. BUILDING CODES





2021 IBC Introduces 3 new tall wood construction types: IV-A, IV-B, IV-C Previous type IV renamed type IV-HT

BUILDING	TYPE I		TYPE II		TYPE III		TYPE IV				TYPE V		
ELEMENT	Α	В	Α	В	Α	В	Α	В	С	HT	Α	В	

New Building Types



18 STORIES **BUILDING HEIGHT** AVERAGE AREA PER STORY

TYPE IV-A

12 STORIES **BUILDING HEIGHT** ALLOWABLE BUILDING AREA 648,000 SF

180 FT AVERAGE AREA PER STORY 54,000SF

TYPE IV-B

IBC 2021



9 STORIES **BUILDING HEIGHT** ALLOWABLE BUILDING AREA 405,000 SF AVERAGE AREA PER STORY 45,000 SF

TYPE IV-C

324,000 SF ALLOWABLE BUILDING AREA 54,000 SF AVERAGE AREA PER STORY 85' -0" MAXIMUM BUILDING HEIGHT TYPE IV- HT **IBC 2015**

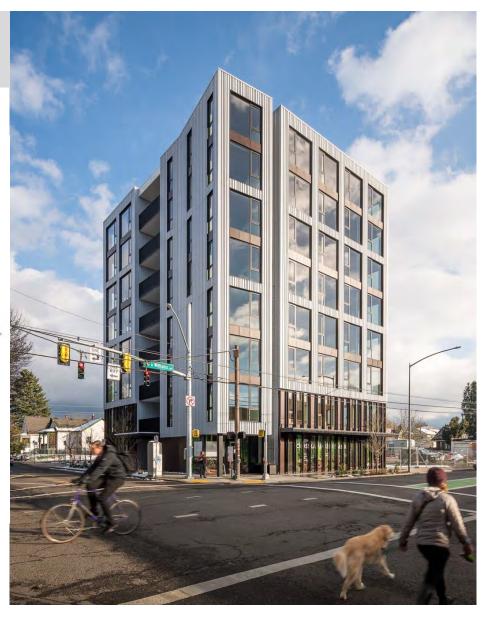
BUSINESS OCCUPANCY [GROUP B]

Type IV-C



9 STORIES
BUILDING HEIGHT 85'
ALLOWABLE BUILDING AREA 405,000 SF
AVERAGE AREA PER STORY 45,000 SF

TYPE IV-C



Photos: Baumberger Studio/PATH Architecture/Marcus Kauffman







Type IV-C Protection vs. Exposed



9 STORIES **BUILDING HEIGHT** ALLOWABLE BUILDING AREA AVERAGE AREA PER STORY

TYPE IV-C

405,000 SF

45,000 SF





Peter

All Mass Timber surfaces may be exposed

Exceptions: Shafts, concealed spaces, outside face of exterior walls

Type IV-B



12 STORIES
BUILDING HEIGHT 180 FT
ALLOWABLE BUILDING AREA
AVERAGE AREA PER STORY 54,000SF

TYPE IV-B



Credit: LEVER Architecture





Credit: Susan Jones, atelierjones

Credit: Kaiser+Path

Type IV-B Protection vs. Exposed



12 STORIES
BUILDING HEIGHT 180 FT
ALLOWABLE BUILDING AREA 648,000 SF
AVERAGE AREA PER STORY 54,000SF

TYPE IV-B



NC protection on all surfaces of Mass Timber except limited exposed areas

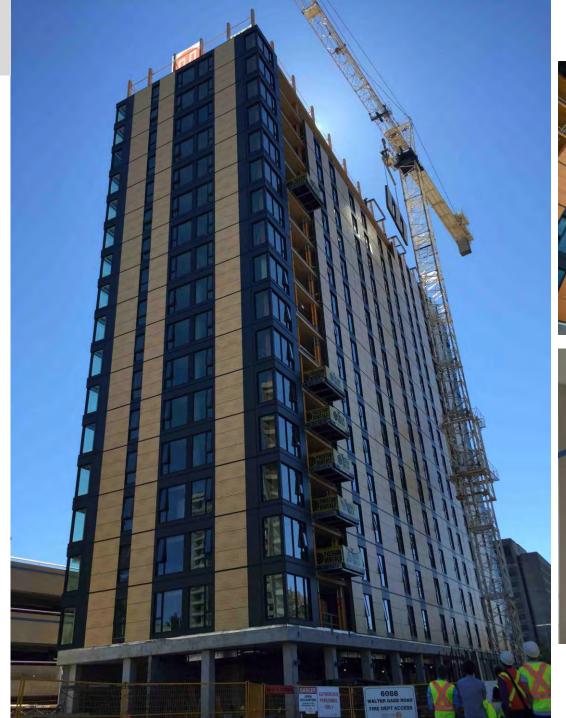
~20% of Ceiling or ~40% of Wall can be exposed, see code for requirements

Type IV-A



18 STORIES
BUILDING HEIGHT 270'
ALLOWABLE BUILDING AREA 972,000 SF
AVERAGE AREA PER STORY 54,000SF

TYPE IV-A







Photos: Structurlam, naturally:wood, Fast + Epp, Urban One

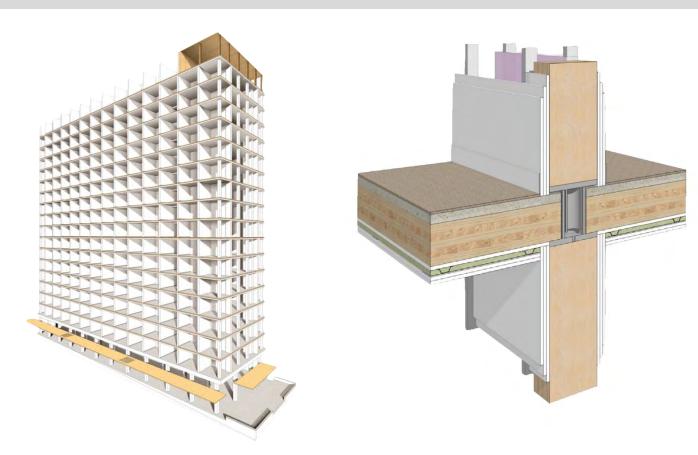
Type IV-A Protection vs. Exposed



18 STORIES
BUILDING HEIGHT 270'
ALLOWABLE BUILDING AREA 972,000 SF
AVERAGE AREA PER STORY 54,000SF

TYPE IV-A

Credit: Susan Jones, atelierjones



100% NC protection on all surfaces of Mass Timber





Statewide Alternate Method No. 18-01 Tall Wood Buildings – Background

Statewide Alternate Method (SAM) Number 18-01 provides prescriptive path elements for Tall Wood Buildings of mass timber construction. This alternate path includes scientific conclusions established by the International Code Council's Ad Hoc Committee on Tall Wood Buildings that were incorporated into fourteen national proposals and utilizes concrete, steel or masonry for the vertical elements of the seismic force-resisting system.

The provisions detailed in the SAM are crafted to coincide with the 2014 Oregon Structural Specialty Code (OSSC) when selected for use.

Three new types of construction are introduced under this method, all three of which are organized under Type IV construction, typically referred to as heavy timber.

The new types of construction are:

- Type IV A
- Type IV B
- Type IV C

Credit: State of Oregon

WASHINGTON STATE **BUILDING CODE**

CHAPTER 51-50 WAC



INTERNATIONAL BUILDING CODE 2015 Edition

Includes adoption of and amendments to the 2015 International Existing Building Code and ICC/ANSI A117.1-2009



TABLE 504.3 ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE®

					Т	ype of (Constr	ction			
Occupancy Classification	See	Type I		Type II		Type III		Type IV			
Classification	Footnotes	Α	В	Α	В	Α	В	Α	В	С	нт
ADEEMCH	NS ^b	UL	160	65	55	65	55	65	65	65	65
A, B, E, F, M, S, U	S	UL	180	85	75	85	75	270	180	85	85
	NS ^{c,d}	111	160	65	55	65	55	120	90	65	65
H-1, H-2, H-3, H-5	S	UL									
H-4	NS ^{c,d}	UL	160	65	55	65	55	65	65	65	65
	S	UL	180	85	75	85	75	140	100	85	85
	NS ^{d,e}	UL	160	65	55	65	55	65	65	65	65
I-1 Condition 1, I-3	S	UL	180	85	75	85	75	180	120	85	85
I 1 C lisi 2 I 2	NS ^{d,e,f}	UL	160	65	55	65	55	65	65	65	- 65
I-1 Condition 2, I-2	S	UL	180	85	33	0.5	33	05	0.5	0.5	0.5
I-4	NS ^{d,g}	UL	160	65	55	65	55	65	65	65	65
1-4	S	UL	180	85	75	85	75	180	120	85	85
	NS ^d	UL	160	65	55	65	55	65	65	65	65
R	S13R	60	60	60	60	60	60	60	60	60	60
	S	UL	180	85	75	85	75	270	180	85	85
Ear CI: 1 fact - 204 9 mm	in.										

Credit: State of Washington

Denver Adopts Tall Mass Timber Codes

milehighere — January 6, 2020

On December 23, the City of Denver voted to adopt the 2019 Denver Building Code, which includes the tall mass timber code provisions approved for the 2021 International Building Code (IBC).

As part of the adoption of the new code, there will be a four-month period where new projects can use either the 2016 Denver Building Code or the newly-adopted 2019 version. After four months, all building and fire code permits will be processed under the 2019 Denver Building Code.

"We congratulate the City of Denver on incorporating mass timber into its building codes, and recognizing the potential of this new category of wood products to revolutionize the way America builds," said American Wood Council president & CEO Robert Glowinski. "Mass timber offers the strength of historic building materials with lower weight, and, in the rare event of a fire, has inherent fire resistance. Beyond the aesthetic qualities of mass timber that building owners and designers are seeking, wood is among the most energy-efficient and environmentally friendly of all construction materials, storing carbon from the atmosphere for long periods of time."

The adopted proposal to recognize mass timber in the new code was submitted by Dr. Gregory R. Kingsley on behalf of the Structural Engineers Association of Colorado. The American Wood Council provided technical assistance to the city in support of the proposal.

The 2019 Denver Building Code will now recognize three new types of construction that also are included in the 2021 IBC:

AMENDMENTS TO THE BUILDING AND FIRE CODE FOR THE CITY AND COUNTY OF DENVER

The 2019 Denver Building and Fire Code includes the following codes except as amended herein.

APPENDIX U TALL WOOD BUILDINGS

SECTION U101 GENERAL

U101.1 Purpose. The purpose of this appendix is to provide criteria for three new mass timber construction types: Type IV-A, Type IV-B, and Type IV-C. These building types expand the allowable use of mass timber construction to larger areas and greater heights than allowed for Type IV-HT construction.

U101.2 Scope. The provisions in this appendix are in addition to or replace the sections in the 2018 *International Building Code* where Types IV-A, IV-B, and IV-C construction are used. Where building Types IV-A, IV-B, or IV-C are not used, this appendix does not apply.

SECTION U102

AMENDMENTS TO THE INTERNATIONAL BUILDING CODE

(Under use of this appendix chapter, the following sections shall be modified or added as follows and shall supersede the corresponding sections in the International Building Code or Denver amendments to the International Building Code)



H.B. 54 Building Construction Amendments

Bill Text	Status				
Enrolled	H.B. 54				
Printer Friendly 🖺					
1 BUILDING CONSTRUCT	TION AMENDMENTS				
2 2020 GENERAL	L SESSION				
3 STATE OF	UTAH				

- 58 (5) "Utah Code" means the Utah Code Annotated (1953), as amended.
- 59 Section 2. Section **15A-2-101** is amended to read:
- 60 **15A-2-101**. Title -- Adoption of code.
- 61 (1) This chapter is known as the "Adoption of State Construction Code."
- (2) In accordance with Chapter 1, Part 2, State Construction Code Administration Act,
- the Legislature repeals the State Construction Code in effect on July 1, 2010, and adopts the following as the State Construction Code:
 - (a) this chapter;
- 6 (b) Chapter 2a, Tall Wood Buildings of Mass Timber Construction Incorporated as
- 67 Part of State Construction Code;
 - [(b)] (c) Chapter 3, Statewide Amendments Incorporated as Part of State Construction
- 69 Code; [and]

65

- 70 [(e)] (d) Chapter 4, Local Amendments Incorporated as Part of State Construction
- 71 Code[-]; and
- 72 (e) Chapter 6, Additional Construction Requirements.
- 73 Section 3. Section 15A-2-102 is amended to read:
- 74 **15A-2-102**. **Definitions**.
- As used in this chapter [and], Chapter 2a, Tall Wood Buildings of Mass Timber
- 76 Construction Incorporated as Part of State Construction Code, Chapter 3, Statewide
- 77 Amendments Incorporated as Part of State Construction Code, and Chapter 4, Local
- 78 Amendments Incorporated as Part of State Construction Code:

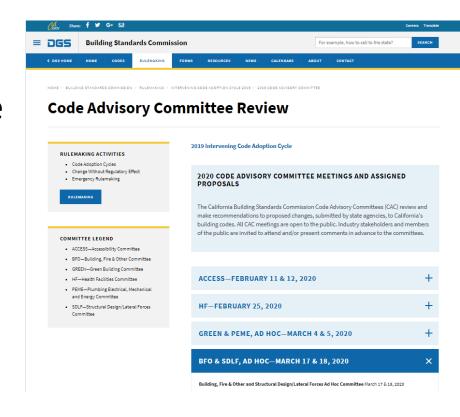
California Building Standards Commission Passes Tall Wood Code Change Proposals



Source: Softwood Lumber Board

On August 13, 2020 the California Building Standards Commission grouped the tall wood code change proposals into one agenda item and passed them unanimously.

The changes will be published as an amendment to the 2019 CBC on January 1, 2021 and will become effective on July 1, 2021



Commonwealth of Massachusetts Division of Professional Licensure

Office of Public Safety & Inspections

1000 Washington Street, Suite 710- Boston MA 02118

Proposed Tenth Edition Building Code

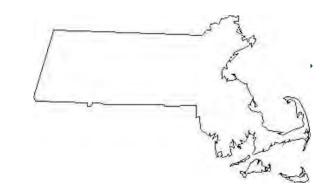
Join Our List
Join Our Mailing List!

Ladies and Gentlemen -

This message is sent to inform you that members of the Board of Building Regulations and Standards (BBRS) have decided to take a different path with regard to the tenth edition building code.

Initially, BBRS members intended to use the 2018 International Codes as the basis for the tenth edition, targeting an implementation date of January, 2020. For numerous reasons, they have decided to redirect efforts and, instead, plan to develop the tenth edition code using the 2021 International Codes as a template, with an effective date of January 1, 2021.

This effort does not affect promulgation of new energy code requirements based on the 2018 International Energy Conservation Code (IECC) scheduled to become effective on January 1, 2020. (Massachusetts General Law Chapter 143, Section 94(o) requires BBRS members to advance energy provisions on a particular cycle.)



Georgia General Assembly

Legislation

House of Representatives

State Senate

Legislation

Joint Offices



House Calendars

Senate Calendars

Composites

House Daily

Senate Daily

Senate Privileged Resolutions

Legislation

Advanced Search

House First Readers

Senate First Readers

House Prefiles

Senate Prefiles

Signed by Governor

Georgia Code

General Statutes Summary

Votes

House Votes

Senate Votes

2019-2020 Regular Session - HB 777

Community Affairs, Department of; consider amending the state minimum standard codes to allow tall mass timber construction types; direct

Sponsored By

(1) Corbett, John 174th (4) England, Terry 116th (2) Burns, Jon 159th

(3) McCall, Tom 33rd

(5) Smith, Lynn 70th

(6) LaRiccia, Dominic 169th

Sponsored In Senate By

Wilkinson, John 50th

Committees

HC: Agriculture & Consumer Affairs

SC: Agriculture and Consumer Affairs

First Reader Summary

A BILL to be entitled an Act to amend Chapter 2 of Title 8 of the Official Code of Georgia Annotated, relating to standards and requirements for construction, alteration, etc., of buildings and other structures, so as to direct the Department of Community Affairs to undertake a review of the 2021 edition of the International Building Code so as to consider amending the state minimum standard codes to allow tall mass timber construction types; to provide a date by which said review is to be completed; to provide for related matters; to repeal conflicting laws; and for other purposes.

Status History

Jul/01/2020 - Effective Date Jun/29/2020 - Act 387 Early adoption review underway, final decision by November 2021

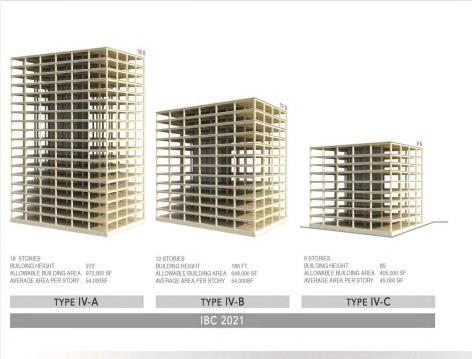


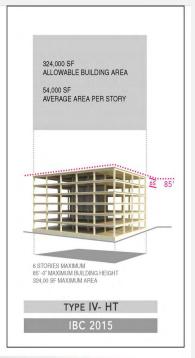
Credit: State of Georgia



TRENDS IN GEORGIA

Tall Mass Timber Coming to Georgia in 2022!





BUSINESS OCCUPANCY [GROUP B]

*BUILDING FLOOR-TO-FLOOR HEIGHTS ARE SHOWN AT 12'-0" FOR ALL EXAMPLES FOR CLARITY IN COMPARISON BETWEEN 2015 TO 2021 IBC CODES.

Image: Susan Jones, atelierjones



Christopher Nunn Commissioner **WOODWORKS**

MEMORANDUM

Brian Kemp Governor

TO: Members of the State Codes Advisory Committee

Georgia Building Officials

Industrialized Buildings Manufacturers and Third-Party Agencies

Interested Parties

FROM: Ted Miltiades, Director

Office of Construction Codes and Industrialized Buildings

DATE: September 24, 2021

SUBJECT: Notice of Intent to adopt new mandatory Georgia Code, Effective July 1, 2022 and new

Georgia Amendments, Effective January 1, 2022

The State Codes Advisory Committee (SCAC) met on June 29, 2021. The SCAC recommended that the Department of Community Affairs (DCA) Board adopt the 2018 International Existing Building Code with its corresponding 2020 Georgia Amendments as mandatory to be effective July 1, 2022. The SCAC also recommended that the DCA Board adopts the 2022 Georgia Amendments to the 2018 International Building Code, the 2018 International Fuel Gas Code, the 2018 International Plumbing Code and the 2015 International Energy Conservation Code to be effective January 1, 2022.

The Notice of Intention to Adopt, Synopsis, and proposed Georgia Amendments are available for review on the Georgia Department of Community Affairs web page: https://www.dca.ga.gov/node/7620

The proposed Georgia Amendments will be presented to the Department of Community Affairs Board at 1:00 P.M. on Tuesday, November 9, 2021, at the Georgia National Fairgrounds and Agricenter, 401 Larry Walker Parkway, Perry, GA 31069 in the Miller Murphy Howard Building (Conference Rooms A-C). If approved, they will become effective July 1, 2022 and January 1, 2022 respectively. If you have questions regarding the referenced documents, please contact the Construction Codes Program at 404-679-3118 or codes@dca.ga.gov.

Image: GA Department of Community Affairs

TRENDS IN GEORGIA



Georgia Mass Timber projects

- Atlanta:
 - T3 West Midtown
 - Kendeda Building for Innovative Sustainable Design
- Savannah:
 - 110 and 111 Ann Street
 - Savannah's first mass timber project
- Increased use of mass timber (glulam post and beam, CLT roofs) in industrial applications





T3 West Midtown | Photo: Hines

Regional HighlightsSavannah, GA

110 and 111 Ann Street

- 3 110 Ann: 154,000 SF Multifamily
- » Six stories, CLT floors/roofs
- » GLT beams and columns

- » 111 Ann: 180,000 SF Multifamily
- » Six stories, CLT floors/roofs
- » GLT beams and columns





Photo: Tidal Real Estate Partners

TRENDS IN GEORGIA



Georgia's Multifamily Growth Continues Unabated

- Atlanta fewer units delivered in 2021, but many projects in the pipeline
- Housing demand spurred by relocation or expansion of companies like Microsoft, Google, and Norfolk Southern
- Occupancy: 98%
- 16% increase in rents over the past 12 months





Modera Decatur | Image: Urbanize

Source: Atlanta Business Chronicle

What's Happening with Wood TRENDS IN MISSISSIPPI



Mississippi Building with Mass Timber

- The Condos at Lost Rabbit Madison
- Two mass timber projects currently in design phase





Photo: Everett Consulting Group

Regional Highlights Mississippi

The Condos at Lost Rabbit

- » Hybrid Multifamily
- » Shallow Floor = Reduced Height
- » Allowed for an additional story





Photo: Everett Consulting Group

Questions? Ask me anything.



Laura Cullen, EIT
Regional Director | GA, MS

404.488.7495

laura.cullen@woodworks.org





TRENDS IN FLORIDA

Florida's Multifamily Market Continues to Thrive During COVID-19

- Miami/Orlando Modest Decline
- Occupancies:
 - Tampa 95.9%
 - Jacksonville 96.1%
- Rent growth ↑ 3.1% & 3.3%







Photo Credit: Baker Barrios

TRENDS IN FLORIDA

People are leaving big cities for more desirable locations like Florida

- The Great American Move: Ages: 30-49
 - Leaving big cities like New York & Chicago
 - Moving to Phoenix, Salt Lake City & Tampa
- ↓ Housing Costs & Exposure to
 Industries Affected by the Pandemic







Photo Credit: Bainbridge at Westshore Marina

Regional HighlightsClermont, FL

- » First Mass Timber Building
- 3-Stories
- » 29,000 SF
- » Class A Office Space
- >> 14-foot Ceilings
- » Architect: Powell Studios
- » Engineer: Gutherman Engineering
- Contractor: Schmid Construction



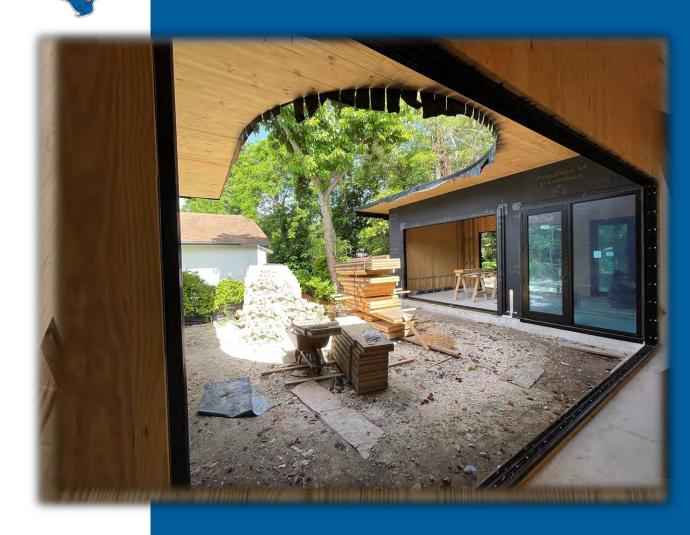
Regional Highlights Orlando, FL

- ARoots Foundation to utilize mass timber in Farm Campus
- » Construction Start: December 2021
- » 7,200 SF
- » Educational
- » CLT Walls, Roof Deck & Glulam Beams
- » Additional Buildings
- » Architect: Little Diversified Architectural Consulting
- » Engineer: Base Consultants



Regional HighlightsCoconut Grove, FL

- » 8/2019 UM LU Lab Receives Wood Innovation Grant
- » 2/2020 South Florida Education
- » 2/2021 First CLT Project Permitted
- **»** 6/15/2021 CLT Install Starts
- » 1,800 SF Demonstration Project
- » CLT Walls & Roof Panels
- » Architect: Atelier Mey
- » Engineer: Britt Peters
- » Mass Timber Installer: Minimal Impact



TRENDS IN Alabama

Huntsville, AL experiencing the most explosive economic growth since 1980's

- Multi-family market continues to grow in Huntsville
- Triggers
 - Job & rent growth
 (个 6% for 3-consecutive years)
 - Strong Occupancy (94% over 4-years)







Photo Credit: The Station at Town Madison

Source: Berkadia.com

TRENDS IN Alabama

- 23 apartment properties (5,801 units) under construction @ end of 2020
- 32 properties (7,850 units) in the pipeline
- Triggers
 - Facebook (\$750M Data Center)
 - Space X & Blue Origin (Rocket Plants)
 - FBI (Building a \$1B campus @ RedStone Arsenal)
 - Toyota-Mazda
 (3M SF manufacturing plant = 4,000 jobs)





Photo Credit: Berkadia

Source: Berkadia.com

TRENDS IN LOUISIANA

Louisiana slow to rebound

- 18-month Snapshot
 - **COVID Pandemic**
 - **Labor Shortages**
 - Material Shortages
 - Cyber Attacks
 - **Tropical Storm Cristobal**
 - Hurricane Laura, Delta, Zeta & Ida













Image: Csoonline.com



Image: Finishingcontractors.org

TRENDS IN LOUISIANA



- AIA New Orleans
 - RISING Symposium for Climate & Equity (Nov. 11th & 12th)
 - Focusing on embodied carbon; specifically on mass timber and wood construction.
- Design & Development
 - (4) Mass Timber projects 13K SF to 150K SF
 - (2) Multi-family light-frame 160K SF to 210K SF





Image: AIA New Orleans



Image: The Economic Times

Regional HighlightsLouisiana



Multi-Family Development

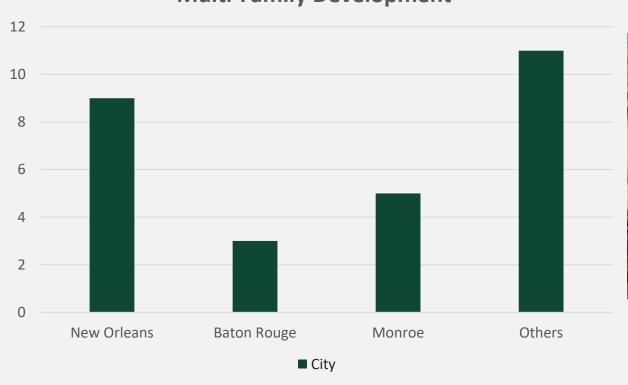




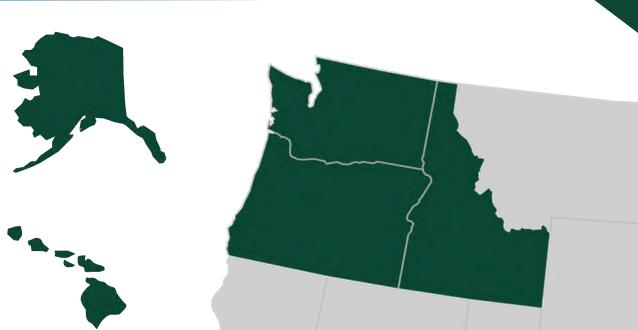
Image: Developinglafayette.com

Source: Dodge Data & Analytics





Oregon, Alaska, Hawaii, Idaho and Washington

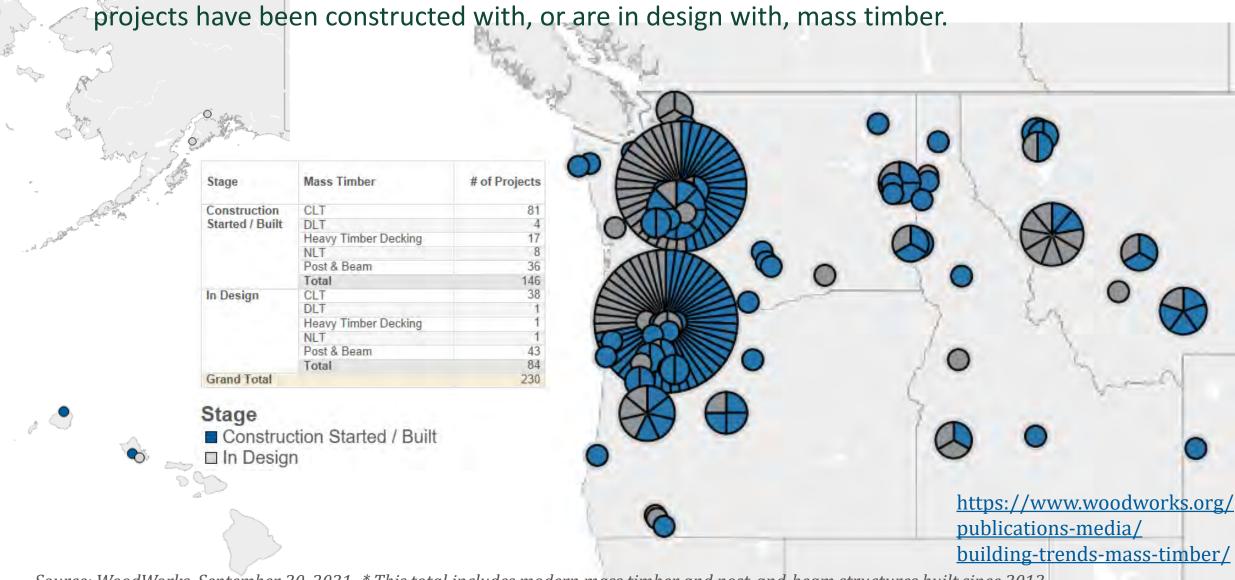


Janelle Leafblad, PE



Current State of Mass Timber Projects

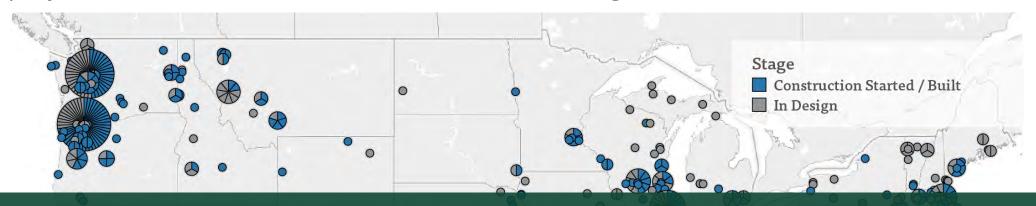
As of September 2021, in the US, **1,241** multi-family, commercial, or institutional



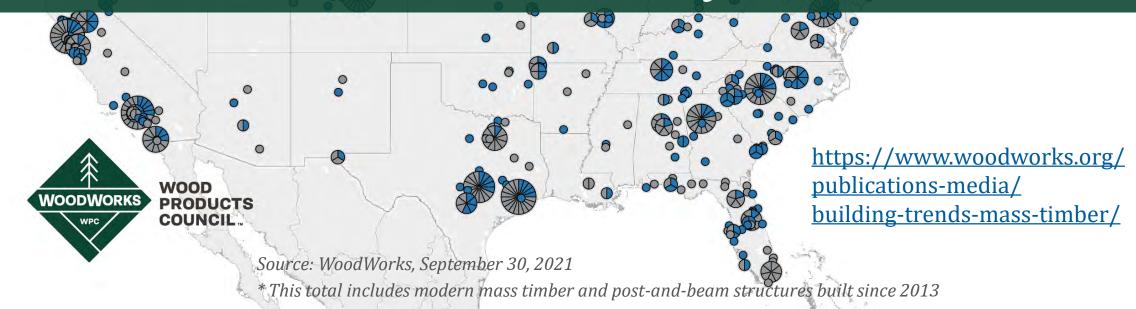
Source: WoodWorks, September 30, 2021 * This total includes modern mass timber and post-and-beam structures built since 2013

Current State of Mass Timber Projects

As of September 2021, in the US, **1,241** multi-family, commercial, or institutional projects have been constructed with, or are in design with, mass timber.



Tall Mass Timber Projects



TRENDS IN THE PACIFIC NORTHWEST

Focus on Sustainable Design

ESG Goals

Affordable Housing

Substitution Solutions

2021 Wood Innovation Grants

2021 Tall Wood Code Changes





Regional HighlightsPortland, OR

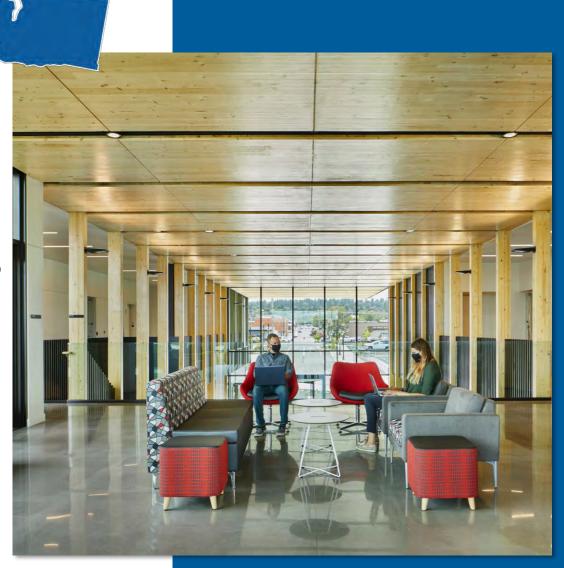
- Soals: cost, constructability, sustainability, resiliency, and regional identity
- » 18 cassettes, largest is 220ft by 110ft
- >> >2.6 million board feet of glulam and mass timber
- » Architect: ZGF Architects
- » Structural Engineer: KPFF Consulting Engineers
- » GC: Hoffman-Skanska
- » Timber Installation: Swinerton
- » Timber Post Fabrication: Timberlab





Regional HighlightsWashington

- » Wood & Education Spaces
 - » The Capitol Childcare Center
 - » CLT Modular Classrooms
 - » Van Asselt School Addition
 - » New Renton Elementary School No. 16
 - » Kellogg Middle School
 - » VPS Mcloughlin Middle School and Marshall Elementary School
 - » University of Washington's Health Sciences Education Building
 - » Catalyst
 - » Elson S. Floyd Cultural Center at Washington State University





WOODWOR

Regional HighlightsMoscow, ID

- » 4,000 seat ICCU arena
- » Locally harvested wood
- Wood Innovation Grant
- » Products: Glulam, CLT, DLT, plywood panels, cedar siding



Questions? Ask me anything.





Janelle Leafblad, PE
Regional Director | OR, WA, ID, AL, HI
415.310.8549

janelle.leafblad@woodworks.org

