

Mass Timber Design Guides + Case Studies

Create a mass-timber-piece.

Mass timber construction has captured the imaginations of building and design professionals, who continue to evolve and advance its potential. It inspires innovation and creates opportunities to think differently about the built environment. Mass timber's natural beauty, strength, and versatility offer endless possibilities in architecture and design. Browse the resources below for a deeper dive into mass timber and inspiration for your next project.





Getting Started with Mass Timber Guide

Designed to help developers and owners get started with mass timber, WoodWorks' guide provides an overview of mass timber structural components, details the benefits of hybrid systems, and shares four case studies that demonstrate a diverse range of applications for mass timber.

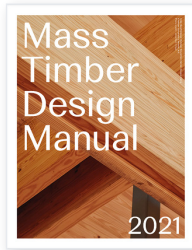
[View the Guide](#)



Catalyst Case Study

Named after its goal of inspiring new ways to build, Catalyst is the first cross-laminated timber (CLT) office building constructed in Washington state. It was designed to Passive House principles to achieve zero-carbon and zero-energy certification from the International Living Future Institute (ILFI), making it a leading example of sustainable building design. See WoodWorks' case study on this innovative building.

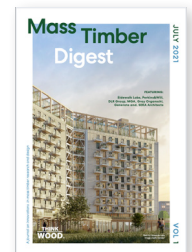
[Download the Case Study](#)



Mass Timber Design Manual

The *Mass Timber Design Manual* is a free resource that offers a comprehensive collection of current information on topics from mass timber products and design best practices, to taller wood construction and sustainability. The 90-page volume includes mass timber technical resources, cost and design checklists, case studies, expert Q&As, design tools, and more.

[Download the Manual](#)



Mass Timber Digest

The *Mass Timber Digest* is a curation of the boundary-pushing innovations in mass timber research and design from industry vanguards like Perkins&Will, DLR Group, Sidewalk Labs, and others who are pushing boundaries with mass timber. Each article offers a summary of original research written by the experts themselves.

[Explore the Digest](#)



U.S. NLT Guide

Using lessons learned from built projects, this guide provides practical strategies and guidance for the safe, predictable, and economical use of nail-laminated-timber (NLT). Content includes architectural and structural considerations, envelope and fabrication details, and key information authored by Fast + Epp Structural Engineers, Perkins&Will, StructureCraft, RDH Building Science Inc., Seagate Structures Ltd., Holmes Fire, and GHIL Consultants Ltd.

[Download the Guide](#)



Mass Timber Cost and Design Optimization Checklists

WoodWorks' design optimization checklists are intended for building designers, but topics covered are relevant to fabricators and builders as well. The cost optimization checklists will help guide coordination between designers and builders as they are estimating and making cost-related decisions on mass timber projects.

[Access the Checklists](#)



100 UK CLT Projects

This book is a study of the 100 of the most significant buildings constructed from CLT in the United Kingdom over the past 15 years. To inform the book, authors Andrew Waugh and Anthony Thistleton of Waugh Thistleton Architects interviewed a wide range of individuals and businesses about their experiences building with CLT.

[Browse the Projects](#)



Tall Wood Buildings in the 2021 IBC Report

In January 2019, the International Code Council (ICC) approved a set of proposals to allow tall wood buildings as part of the 2021 International Building Code (IBC). The code will include provisions for up to 18 stories of Type IV-A mass timber construction for business and residential occupancies.

[Download the Report](#)