

About the American Wood Council

The American Wood Council is the leading trade organization for the wood products industry. Our mission is to ensure the safe and most appropriate uses for the full spectrum of wood products being developed today. In carrying out this mission, we are actively engaged in the development of codes and standards, policies and solutions that help establish wood products as the most viable and sustainable material today, and for the future of our built environment.

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Building Code Support: <https://awc.org/about/staff/#fieldstaff>

About the International Code Council®

The International Code Council is the leading global source of model codes and standards and building safety solutions that include product evaluation, accreditation, technology, codification, consulting, training and certification. The International Code Council's codes, standards and solutions are used to ensure safe, affordable and sustainable communities and buildings worldwide.

The International Code Council family of solutions includes the ICC Evaluation Service (ICC ES), S. K. Ghosh Associates, the International Accreditation Service (IAS), General Code, ICC NTA, ICC Community Development Solutions, Alliance for National & Community Resilience (ANCR) and American Legal Publishing.

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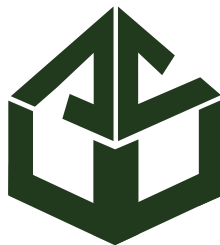
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2021 Code Conforming Wood Design and the IBC

Introduction

Wood construction offers distinct design options typically not found in a single structural material. It is inexpensive, readily available, easy to work with, strong and adaptable. The economic, environmental and energy efficiency advantages account for more buildings being constructed of wood than any other structural material.

The intent of this book is to summarize the allowable wood use in buildings in accordance with the International Code Council (ICC) [2021 International Building Code® \(IBC®\)](#). Emphasis will be placed on the design flexibility permitted for wood in commercial construction. This publication is not a replacement for the IBC and does not encompass all of the design options in the IBC. The IBC, along with any local amendments, should always be consulted for applicable, specific requirements related to designs and site conditions.

New in the *2021 Code Conforming Wood Design (CCWD) and the IBC* is content specific to the three new Types of Construction that were added to the 2021 IBC. Height and Area tables have been updated for each new Type of Construction. Additionally, new provisions added elsewhere in the code applicable to mass timber construction are identified. ICC and AWC also developed a document titled [Mass Timber Buildings and the IBC®](#) containing code provisions and extensive commentary. It is available in the ICC Store.

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1. General Information

Use and Occupancy Classification

Building code requirements are dependent on the appropriate classification of the building or structure for its design purpose or current occupancy. Eight occupancy classifications are discussed in this book:

- Group A, Assembly
- Group B, Business
- Group E, Educational