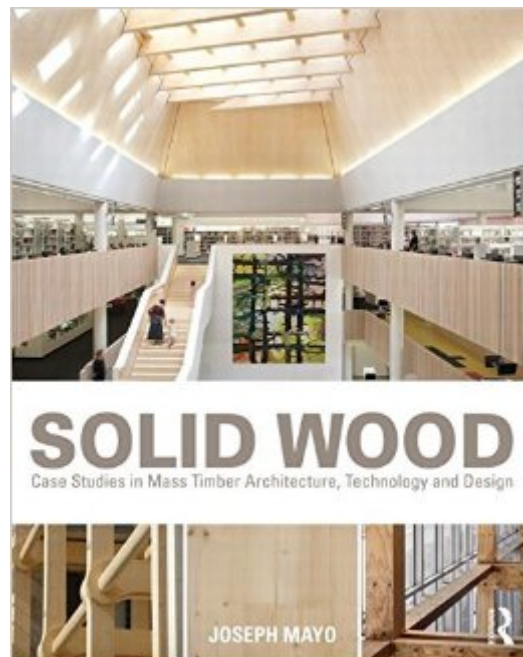


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Solid Wood: Case Studies In Mass Timber Architecture, Technology And Design



Synopsis

Over the past 10-15 years a renaissance in wood architecture has occurred with the development of new wood building systems and design strategies, elevating wood from a predominantly single-family residential idiom to a rival of concrete and steel construction for a variety of building types, including high rises. This new solid wood architecture offers unparalleled environmental as well as construction and aesthetic benefits, and is of growing importance for professionals and academics involved in green design. *Solid Wood* provides the first detailed book which allows readers to understand new mass timber/massive wood architecture. It provides: historical context in wood architecture from around the world a strong environmental rationale for the use of wood in buildings recent developments in contemporary fire safety and structural issues insights into building code challenges detailed case studies of new large-scale wood building systems on a country-by-country basis. Case studies from the UK, Norway, Sweden, Germany, Austria, Italy, Canada, the United States, New Zealand and Australia highlight design strategies, construction details and unique cultural attitudes in wood design. The case studies include the most ambitious academic, hospitality, industrial, multi-family, and wood office buildings in the world. With discussions from leading architectural, engineering, and material manufacturing firms in Europe, North America and the South Pacific, *Solid Wood* disrupts preconceived notions and serves as an indispensable guide to twenty-first century wood architecture and its environmental and cultural benefits.

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Customer Reviews

Mayo's attempt to weave case studies of wood building systems from every corner of the world is astoundingly successful in convincing the architectural world of the approach's modernity and validity. He considers not just the environmental implications of the methods, but also the building code challenges, fire safety, structural considerations, and other critical topics in his analysis. This book should be required-reading in any course on modern structural concepts or construction materials for architects and engineers.

By boring deep into modern wood construction techniques, Joseph's *Solid Wood* piqued my interest as an opportunity to revisit architecture studies that I had enjoyed years ago during college classes. Joseph promptly covers critical issues of fire safety and moisture control as well as relevant terminology before moving on to several chapters of massive wood construction projects around the globe. Case studies in Norwegian Wood, budding United Kingdom housing developments, and Australia's timber down under all plant insight in the reader using ample construction photos and diagrams of project-specific techniques. I worried this book would be overly technical when I placed a pre-order months ago; however, after receiving the book, I'm delighted to find the content appropriate for both a high level architecture class or a casual coffee table construction photo tome to thumb through.

Great historical summary of wood construction, modern solid wood assemblies and a boatload of case studies to boot.

Great book

Arrived promptly, however, one of the two items did have a bent corner.

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