

TODAY'S WOOD CONSTRUCTION

## SAFE, STRONG + SOPHISTICATED

**Wood construction is of the highest standard: it's easy to build, offers advantages in terms of material, construction and environmental costs and provides an alternative option for builders, architects and consumers, particularly for non-residential applications.**

Modern-day advances in wood science and building technology are further expanding the options for taller wood-frame buildings. Science-based innovation has resulted in more robust products for construction to address structural design, fire safety and building durability in these taller buildings. A host of building types including schools, warehouses, offices, stores and recreational facilities are well suited to wood frame construction.

British Columbia is already allowing five- to six-storey buildings made of wood. Ontario has followed suit. Now after years of rigorous study by technical experts, recommended changes to the 2015 Model National Building Code of Canada would offer this same mid-rise option throughout Canada. The codes

**WE CAN LIGHTEN THE ENVIRONMENTAL LOAD BY RELYING MORE ON RENEWABLE RESOURCES SUCH AS PRODUCTS MADE FROM WOOD.**

ensure that wood-frame buildings are designed to meet rigorous fire safety, structural resistance to earthquakes and wind requirements.

Wood is the only major building material that grows naturally and is renewable. There is growing pressure to reduce the carbon footprint of the built environment, so building designers are increasingly being called upon to balance function and cost objectives with reduced environmental impact. Wood can help to achieve that balance.

## WOOD BUILDINGS ARE GOING HIGHER!

Advances in wood science and building technology such as cross-laminated timber are resulting in taller wood-frame buildings that are safe, strong and sophisticated. And unlike other commonly used materials that deplete the earth's resources, wood grows naturally and reduces the environmental footprint of buildings.

Numerous life cycle assessment studies worldwide have shown that wood products yield clear environmental advantages over other building materials at every stage. Wood buildings can offer lower greenhouse gas emissions, less air pollution, lower volumes of solid waste and less ecological resource use.

With the growth of new products such as cross-laminated timber, expect even taller wood buildings in the future both in Canada and abroad. Globally speaking, demonstration buildings of 10 stories exist with designs going as high as 34 and 42 stories.

And as wood-frame buildings soar ever higher, Canadians can feel confident that they are a safe, strong and sophisticated choice for builders and architects.

## LEARN MORE ABOUT WOOD-FRAME BUILDINGS + MATERIALS

[rethinkwood.com](http://rethinkwood.com)

[cwc.ca/design-with-wood](http://cwc.ca/design-with-wood)

[woodfacts.cwc.ca](http://woodfacts.cwc.ca)



FPAC advocates on behalf of the forest sector. FPAC is also working to realize the ambitious goals of Vision2020 to help the industry transform with innovative new products, diversified markets, enhanced environmental credentials and a skilled workforce. FPAC is proud to represent Canada's largest producers of forest products.

All FPAC members are signatories of the Canadian Boreal Forest Agreement. Our members are responsible for 66% of certified forest lands in Canada. Third-party certification of member companies' forest practices is a condition of membership in the Association — a world first.