



SEEING THE FOREST

FOR THE TREES

SARAH BENČIĆ - GENNY SMITH

An aerial photograph of a city skyline at sunset. The sun is low on the horizon, casting a warm orange glow over the city. The skyline is filled with numerous skyscrapers and buildings. In the foreground, there is a dense residential area with many houses and trees. A green rectangular box with white text is overlaid on the left side of the image.

According to Canadian Mortgage & Housing Corporation, we will need **18.2 million units by 2030** to keep up with the Demand for Housing.

Our Bright Idea

Not only solves housing but boosts the economy, creates jobs, & research opportunities, bolsters existing industry & enables entrepreneurs!

We looked at a variety of common hesitancies surrounding mass timber solutions & gave you the tools to answer those concerns effectively!



For Solutions Across the Housing Spectrum



A Made in Ontario Opportunity

1 m3 of Lumber = 1 tonne CO2 sequestered

Achieving NetZero Targets while meeting demand for housing in Ontario

Ontario's Sustainably Managed Forests

Compared to other materials, Canadian wood products are from well regulated forests and often third party certified; the most sustainable solution for meeting this goal

Modular Solutions save on costs

Not just in the construction but in the lifecycle of the building including energy costs & maintenance throughout the lifecycle

Creates jobs & bolsters Ontario's Economy

revenues from the initial materials to the processing Ontario forestry contributes significantly to the lives of those in northern & first nations communities

More Homes Faster

Ontario Example Kitchener YWCA build with Element 5 Designed by EDGE Architects

The completion of design, approvals, AND construction all occurred within 1 year of the contract being awarded, & the building itself was fully assembled in just 20 days!



See the Element 5
Timelapse of the
Construction!



Helping You to Help Your Community

Build More Homes

We need to meet the existing and **growing demand** for housing in Ontario

Build Homes Faster

Mass Timber options can be **modularized** to build indoors with controlled environments & inspection

Build Homes with a Lower Carbon Footprint

Unlike Concrete alternatives, Ontario's lumber exceeds international third-party **requirements of sustainability** & abides by **7-Generation principles**.

How our Report Helps You!

Canadian & Ontario Specific Examples The examples featured are built for the Canadian Climate with our suppliers & builders in mind

Clear & comprehensive definitions In plain english so you do not need to be an engineer or forester to understand

Documentation & research So you can do a deep dive or have exhaustive resources to explain to your local communities, councils & interested parties why Mass Timber solutions are worth it

Ideas & Contacts So you do not have to reinvent the wheel connect with other communities that have implemented solutions effectively or are willing to share their mistakes to help you avoid them

Invitation To participate in ongoing innovations & solutions at upcoming events/forums

Where do we go from here?



Mass
Timber



Sustainable
Roofing
Solutions



Dimensional and
Composite Wood



Wood product
resins, adhesives
and coatings



Fire
Protection
Products



Bioenergy
and Heating



Flexible Foam and
Rigid Foam
Applications



Energy Storage
(Potential opportunity)



Fuels



Asphalt



Plastics and
Packaging

THANK YOU!

- Steven Street, Wood Works
- Matt Bolen, EDGE Architects
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Competition happen!**

