

Modular Passive House - Wooden Floor Slab, BC, Canada

Okt. 2024



A two-bedroom house built using modular wood construction with a wooden floor slab. On-site assembly took just one week. The result: high energy efficiency and a comfortable living environment.

From the Foundation to the Roof—All Made of Wood

In Williams Lake, British Columbia, Canada, a modular two-bedroom residential building was constructed to Passive House standards. Floor, wall, and roof elements were prefabricated and assembled on-site in just one week. What makes this project special is the consistent use of timber construction: Not only the walls and roof, but also the floor slab were constructed as solid wood elements. The Timber Foundation from Timbase thus forms the basis of the entire building. The continuous all-wood construction supports an energy-efficient building envelope optimized for thermal performance.

At the same time, wood creates a pleasant and balanced indoor climate thanks to its natural properties. The project demonstrates how modular construction, the Passive House standard, and a wooden floor slab can be combined into an efficient overall concept.



Construction data

2-Bedroom Apartment Built to Passive House Standards

Construction costs

No information regarding the total construction costs has been disclosed.

Client

Yunesit's V2G 4T4 Williams Lake

Timber engineer

Timberengineering.ca

Timber construction

Paradigm Building Solutions Ltd

GU/TU

FPIinnovations, Vancouver

Photography

www.timbase.com