

Green Buildings Open House Tour 2023

Sat, June 3, 11 am - 4 pm

SILVER SPONSORS



Banff Pavilion - Passive House



SITE OVERVIEW

PLEASE NOTE - this is an active construction site - You will be asked to sign in and will be provided with a safety vest for safety. **Closed-toed shoes are required for entry.**

Tour Day: June 3rd, 2023

Address: [REDACTED]

Hosts: HSS Design Build

Parking: Parking Lot adjacent to the skateboard park

Key Attractions:

- Prefabricated mass-timber structural panels
- Passive House Low Energy Building
- Under construction

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WHY IS THE BANFF PAVILION ON THE TOUR?

This public Pavilion in Banff National Park is an iconic 1-story energy efficient building with a proposed lifespan of more than 100 years. The Pavilion is designed and being constructed to Passive House Low Energy Building standards. An annual heating demand of less than 30 kWh/(m²a) and an overall low carbon footprint help this unique Pavilion meet the Town of Banff's Municipal Sustainable Building Policy requirements.

WHY DO PEOPLE NEED TO VISIT THE BANFF PAVILION?

The Pavilion was designed and constructed using innovative strategies, including prefabricated mass-timber structural panels and local materials. When considered alongside the building's proposed 100-year lifespan, the carbon sequestered in this build will remain that way for a long time. Upon completion, the Pavilion will achieve Rick-Hansen Foundation Accessibility Certification for meeting the Barrier-Free Standards of Canada. In this accessible design, lines between the exterior breathtaking landscape and the interior spaces are blurred, bringing the outside, in.

PASSIVE HOUSE CERTIFIABLE

Upon completion, this Pavilion will achieve Passive House Low Energy Building Certification and be one of the most (if not the most) energy-efficient buildings in Banff National Park.



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WHAT WILL PEOPLE SEE & LEARN ABOUT AT YOUR PROPERTY?

- Passive House Low Energy Building standards
- Banff Municipal Sustainable Building Policy
- Prefabricated mass-timber structural panels
- Carbon sequestration in buildings
- Rick-Hansen Foundation Accessibility Certification

WHAT ENERGY EFFICIENT FEATURES ARE SHOWCASED?

- Insulation and airtightness
- High-efficiency appliances
- Heat recovery ventilator (HRV)
- Air-source heat pump
- Energy-efficient windows
- High-efficiency toilets

WHAT OTHER SUSTAINABILITY FEATURES ARE SHOWCASED?

- Lifestyle practices - interior designed for future modification and is adaptable to user needs
- Social sustainability - Barrier-Free design, and how the building will serve as an example for future municipal buildings

