

Canadian
Wood
Council

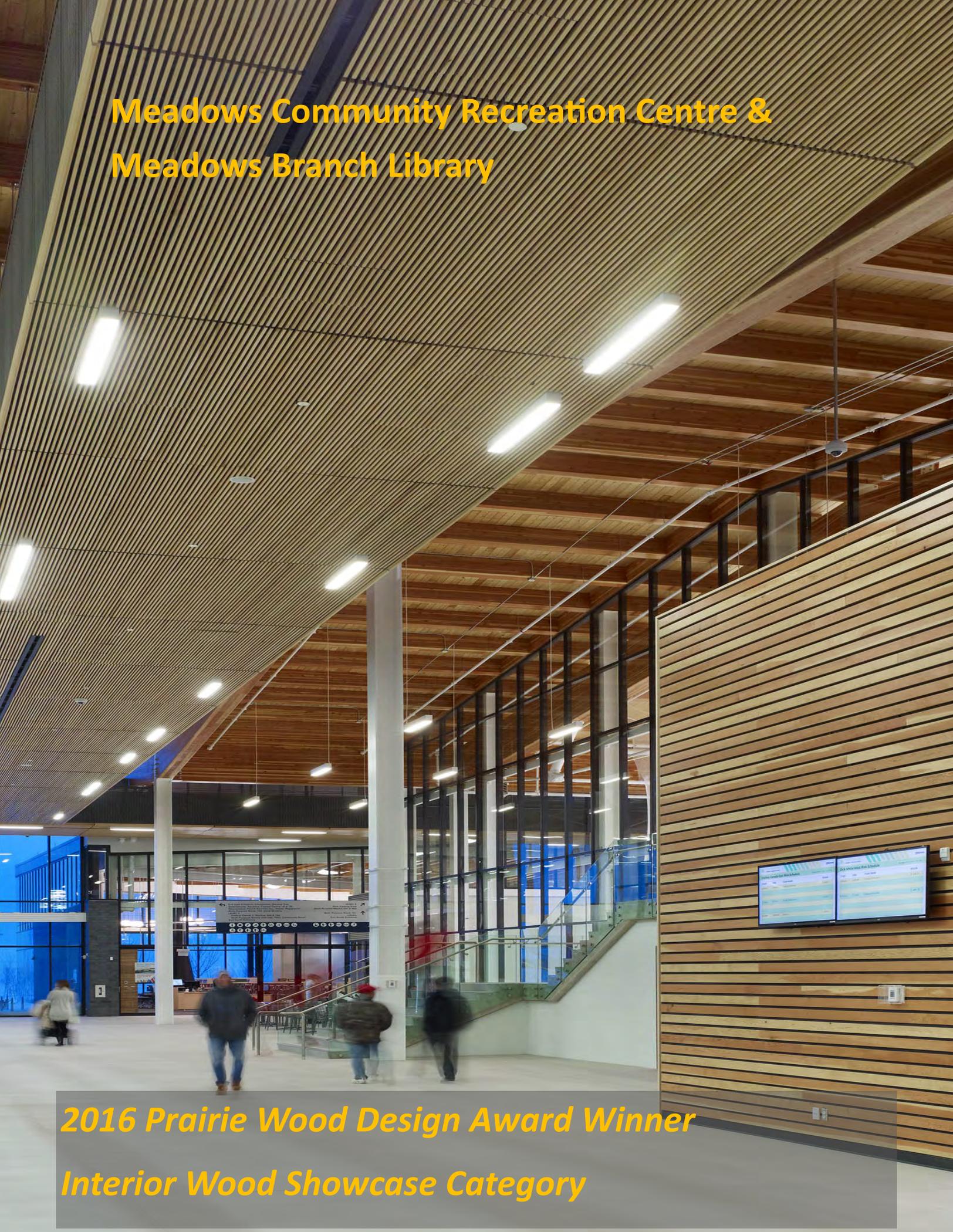
Conseil
canadien
du bois



WOODWORKS!
Program of the Canadian Wood Council



Celebrating Edmonton's Wood Architecture

The image shows a large, modern interior space with a prominent wood-slatted ceiling and walls. The ceiling is composed of numerous thin, parallel wooden slats that create a textured, rhythmic pattern. Several long, recessed linear light fixtures are embedded in the ceiling, providing even illumination. The walls also feature horizontal wood slats, with a large glass wall on the right side. A staircase with a glass railing is visible in the middle ground. In the background, there are more people and a large glass entrance area. The overall atmosphere is bright and airy, with a strong emphasis on natural wood materials.

**Meadows Community Recreation Centre &
Meadows Branch Library**

***2016 Prairie Wood Design Award Winner
Interior Wood Showcase Category***

Meadows Community Recreation Centre & Meadows Branch Library

Carbon Summary



Volume of wood products used:
4146 cubic meters (146410 cubic ft) of lumber and sheathing



U.S. and Canadian **forests grow** this much wood in:
12 minutes



Carbon stored in the wood:
3230 metric tons of carbon dioxide



Avoided greenhouse gas emissions:
6589 metric tons of carbon dioxide



Total potential carbon benefit:
9819 metric tons of carbon dioxide



Equivalent to:
1875 cars off the road for a year



Energy to operate a home for **835 years**

Project Team



Client: City of Edmonton

Architect:
Group2 Architecture Interior Design Ltd.

Project Architect: Perkins+Will

Engineer: CH2M

General Contractor:
PCL Construction Management Inc.

Wood Supplier: Western Archrib

Images courtesy of Tom Arban Photography Inc

The jury felt it was significant that wood played such a large role in this type of complex, which is usually done in other materials. The wood structure is a unifying element between the spaces of the centre.

Valley Zoo Entry and Wander Path

Adventure Lodge

*2016 Prairie Wood Design Award Nominee
Institutional Category*

Valley Zoo Entry and Wander Path

Carbon Summary



Volume of wood products used:
110 cubic meters (3885 cubic ft) of lumber and sheathing



U.S. and Canadian forests grow this much wood in:
19 seconds



Carbon stored in the wood:
81 metric tons of carbon dioxide



Avoided greenhouse gas emissions:
171 metric tons of carbon dioxide



Total potential carbon benefit:
252 metric tons of carbon dioxide



Equivalent to:
48 cars off the road for a year



Energy to operate a home for **21 years**

Project team



Client: City of Edmonton

Architect & Engineer:
DIALOG

General Contractor:
Stuart Olson Inc.

Wood Supplier:
Western Archrib, Edmonton

Photo:
Images courtesy of Tom Arban Photography Inc



Kingsway/Royal Alex LRT Station



KINGSWAY/ROYAL ALEX
9:52 AM Wed, Sep 17
TRACK 1
Elevator Staircase

Proof of Payment Required Upon Entering Station
Please ensure tickets are being validated in the faregates.

2016 Prairie Wood Design Award Winner
Institutional Category

Kingsway/Royal Alex and MacEwan LRT Stations

Carbon Summary



Volume of wood products used:
364 cubic meters (12854 cubic ft) of glulam



U.S. and Canadian forests grow this much wood in:
1 minute



Carbon stored in the wood:
298 metric tons of carbon dioxide



Avoided greenhouse gas emissions:
633 metric tons of carbon dioxide



Total potential carbon benefit:
931 metric tons of carbon dioxide



Equivalent to:
178 cars off the road for a year



Energy to operate a home for 79 years

Project team



Client: City of Edmonton

Architect: Stantec Architecture Ltd.

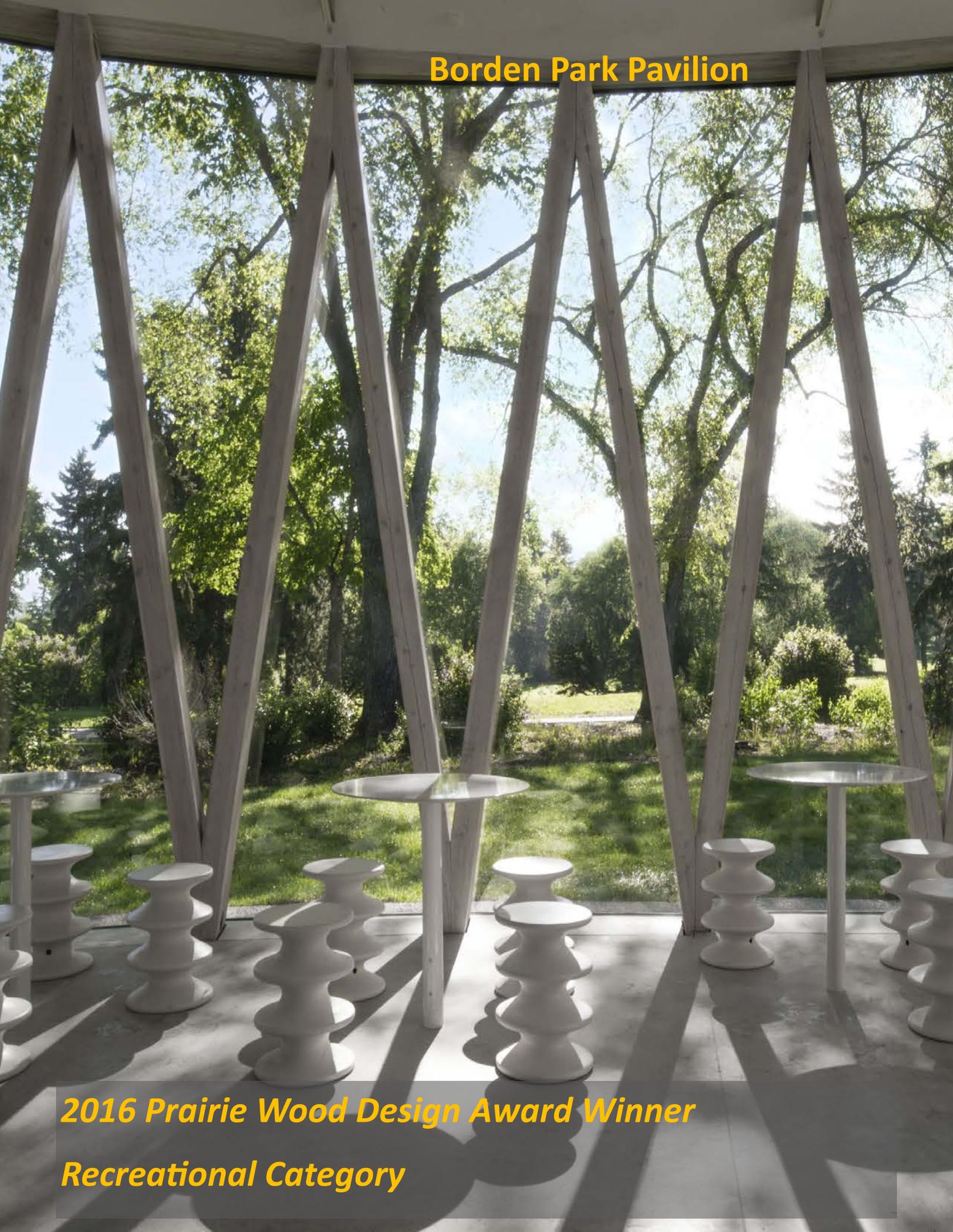
Engineer: Stantec

General Contractor: North LRT Link Partnership

Wood Supplier: Western Archrib

Images courtesy of Western Archrib

The jury appreciated the elegant details of the Kingsway/Royal Alex LRT Station and felt the team was dedicated to a simple clarity of executing the design.

The image shows the interior of the Borden Park Pavilion, a modern structure with a white wooden frame. The structure is composed of several tall, slender, white wooden columns that support a flat roof. The interior is open, with a concrete floor. In the foreground, there are several white, round, high-top tables and matching white, tiered stools. The pavilion is surrounded by lush green trees and a grassy area, suggesting a park setting. The lighting is bright, indicating a sunny day.

Borden Park Pavilion

***2016 Prairie Wood Design Award Winner
Recreational Category***

Borden Park Pavilion

Carbon Summary



Volume of wood products used:

15 cubic meters (530 cubic ft) of lumber and sheathing



U.S. and Canadian forests grow this much wood in:

3 seconds



Carbon stored in the wood:

11 metric tons of carbon dioxide



Avoided greenhouse gas emissions:

23 metric tons of carbon dioxide



Total potential carbon benefit:

34 metric tons of carbon dioxide



Equivalent to:

7 cars off the road for a year



Energy to operate a home for 3 years

Project team



Client: City of Edmonton

Architect: gh3 inc.

Engineer: Chernenko Engineering Ltd.

General Contractor: Jen-Col Construction Ltd.

Wood Supplier: Western Archrib

Images courtesy of Raymond Chow

The jury was unanimous in their decision about this project. The design is coherent, consistent, elegant and expresses wood beautifully. The finished building shows different qualities at night. It is a singularly strong concept. The form and the structure complement each other.

Victoria Park Pavilion

Nominated in the Recreational Category

Carbon Summary



Volume of wood products used:
100 cubic meters (3531 cubic ft) of lumber and sheathing



U.S. and Canadian **forests grow** this much wood in:
17 seconds



Carbon stored in the wood:
73 metric tons of carbon dioxide



Avoided greenhouse gas emissions:
156 metric tons of carbon dioxide



Total potential carbon benefit:
229 metric tons of carbon dioxide



Equivalent to:
44 cars off the road for a year



Energy to operate a home for **19 years**

Project team



Client: City of Edmonton

Architect: Rayleen Hill Architecture + Design Inc.

Project Architect:
Group2 Architecture Interior Design Ltd.

Engineer: Fast + Epp

General Contractor: EllisDon

Wood Supplier: Structurlam Products LP

Images courtesy of Stephan Pasche



Environmental Benefit Summary



+



+



+



+



+



Volume of wood products used:
4735m³ (167210 ft³) of lumber & sheathing



U.S. and Canadian **forests grow** this much wood in:
13 minutes and 39 seconds



Carbon stored in the wood:
3693 metric tons of carbon dioxide



Avoided greenhouse gas emissions:
7572 metric tons of carbon dioxide



Total potential carbon benefit:
11265 metric tons of carbon dioxide



Equivalent to:
2152 cars off the road for a year



Energy to operate a home for 957 years

Who we are

Wood WORKS! is a national, industry-led program of the Canadian Wood Council that promotes and supports the use of wood in all types of construction.

Working with the design community, Wood WORKS! connects practitioners with resources related to the use of wood in commercial, industrial, institutional and multi-unit residential construction, assists in product sourcing, and delivers educational seminars and training opportunities to existing and future practitioners.

Contact Us

Paul Whittaker, Provincial Director

Rory Koska, Program Director

Jerry Calara, Technical Advisor

Barbara Murray, Communications Coordinator

900, 10707 100 Avenue

Edmonton, Alberta T5J 3M1

Phone: 780-392-1952

Email: bmurray@wood-works.ca

Web: www.wood-works.ca/alberta

twitter: [@WoodWORKSAB](https://twitter.com/WoodWORKSAB)



Wood WORKS! Alberta
900, 10707 100 Avenue
Edmonton, Alberta
T5J 3M1