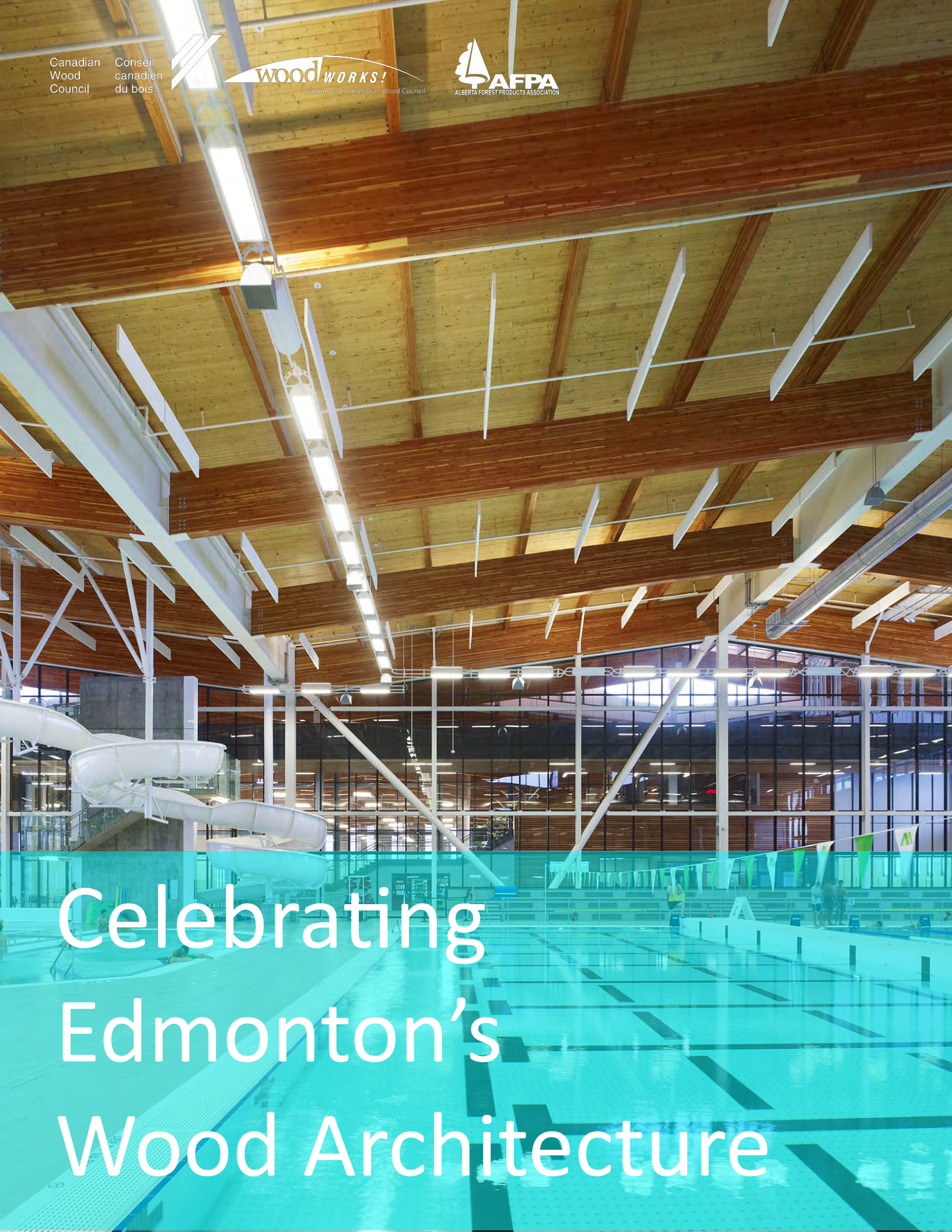
Canadian Wood Council | Conseil canadien du bois

WOOD WORKS! Program of the Canadian Wood Council

AFPA ALBERTA FOREST PRODUCTS ASSOCIATION



Celebrating Edmonton's Wood Architecture

Meadows Community Recreation Centre & Meadows Branch Library

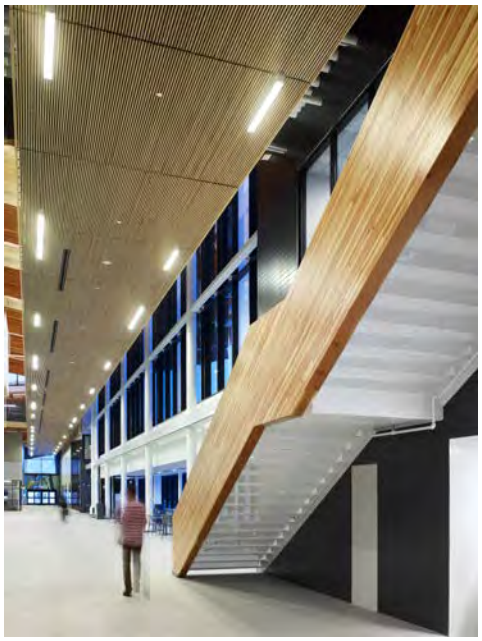
2016 Prairie Wood Design Award Winner

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

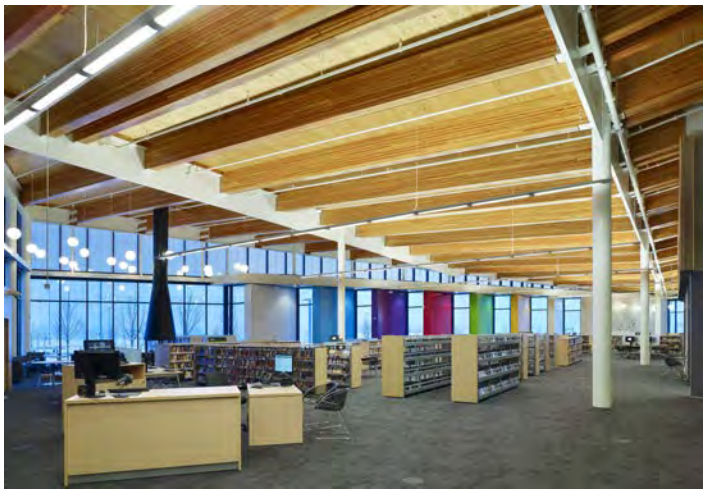
Avoided greenhouse gas emissions:
6589 metric tons of carbon dioxide

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

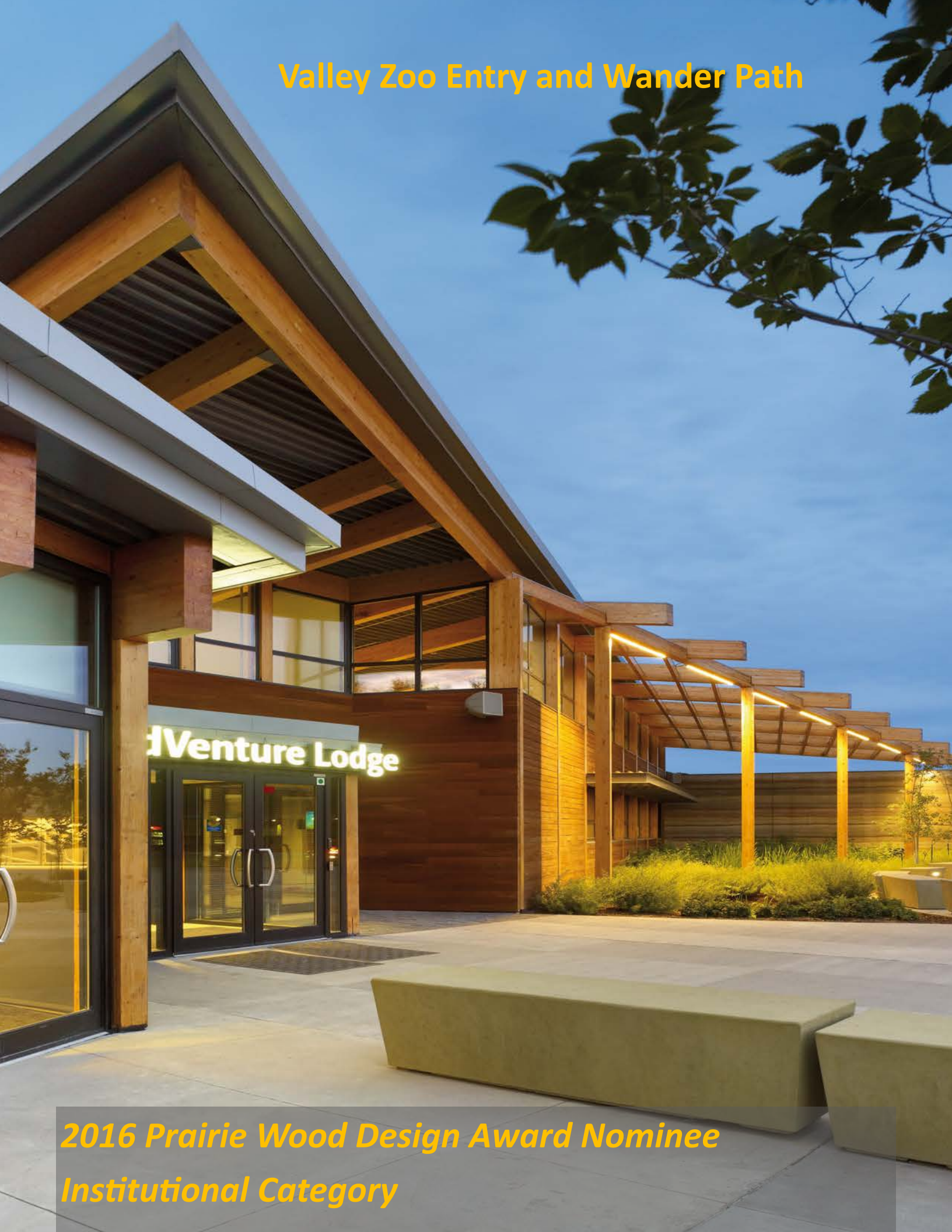
General Contractor:
PCL Construction Management Inc.

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



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

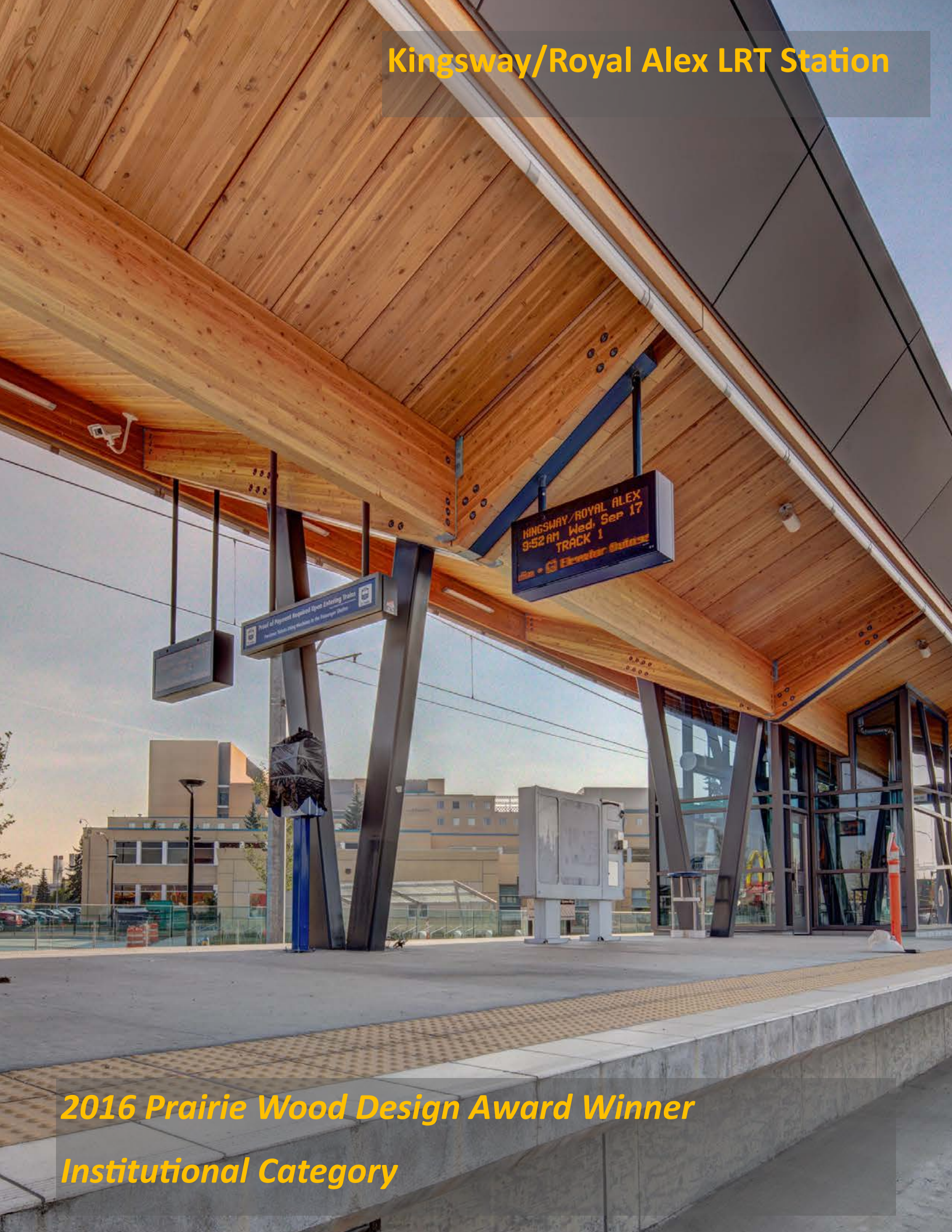
Architect & Engineer:
DIALOG

General Contractor:
Stuart Olson Inc.

Wood Supplier:
Western Archrib, Edmonton

Photo:
Images courtesy of Tom Arban Photography Inc

Kingsway/Royal Alex LRT Station

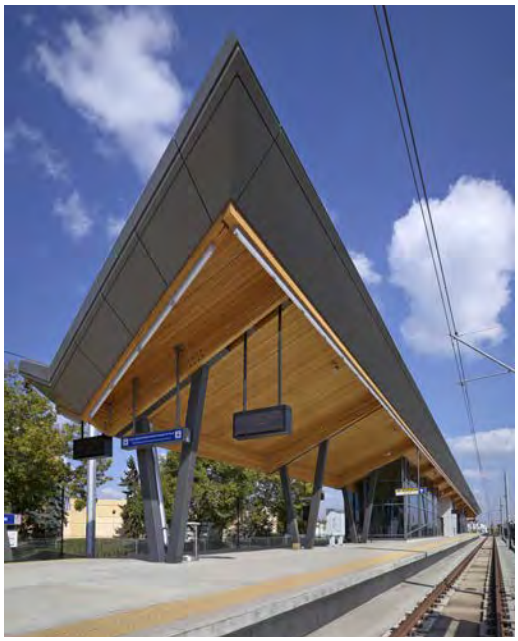


2016 Prairie Wood Design Award Winner

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.

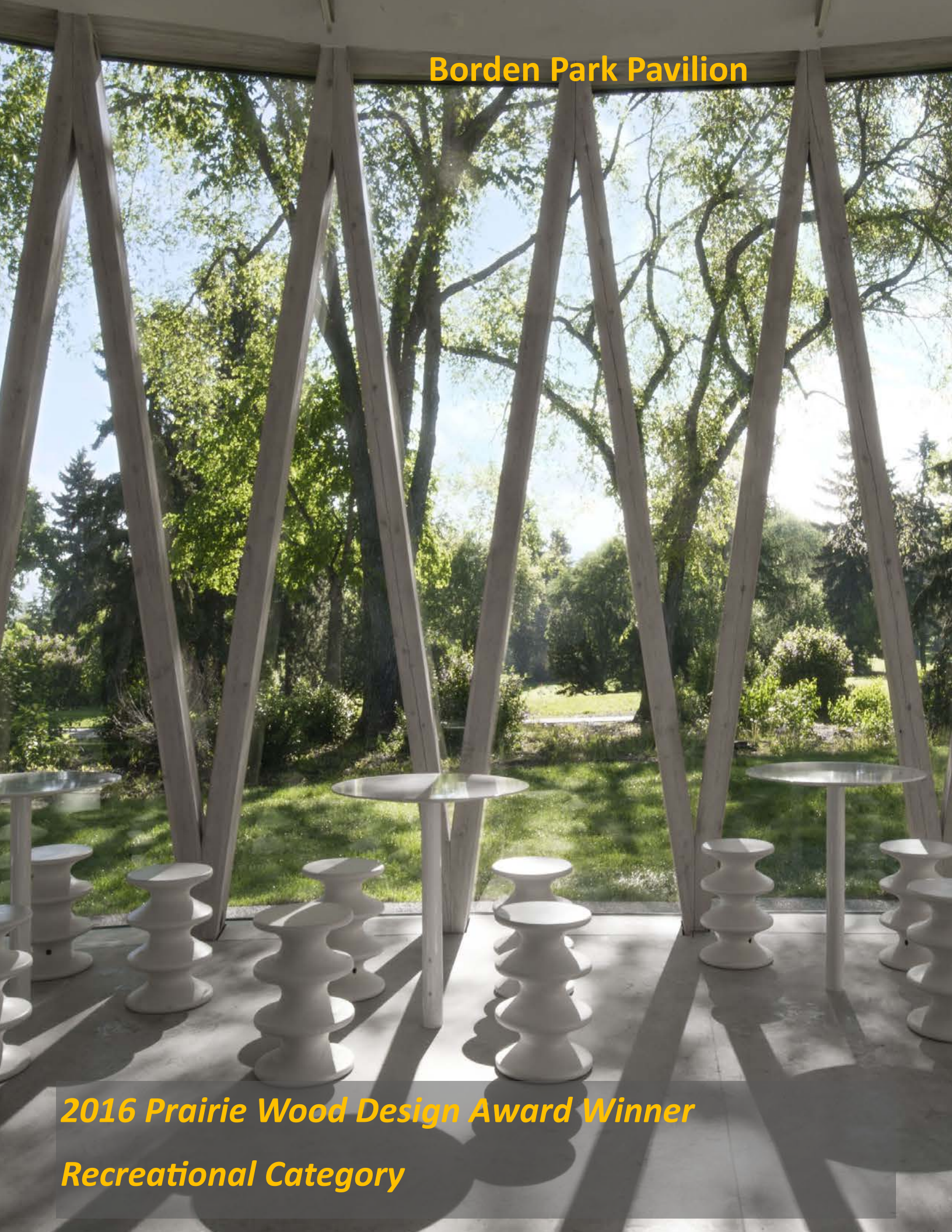
Engineer: Stantec

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.



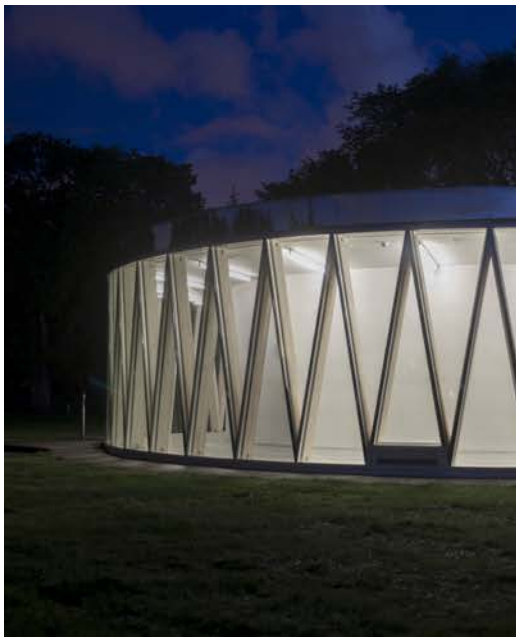
Borden Park Pavilion

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

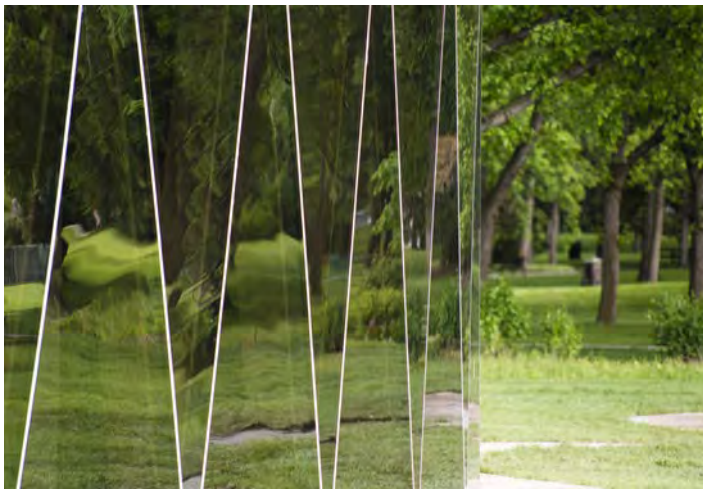
Avoided greenhouse gas emissions:
23 metric tons of carbon dioxide

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

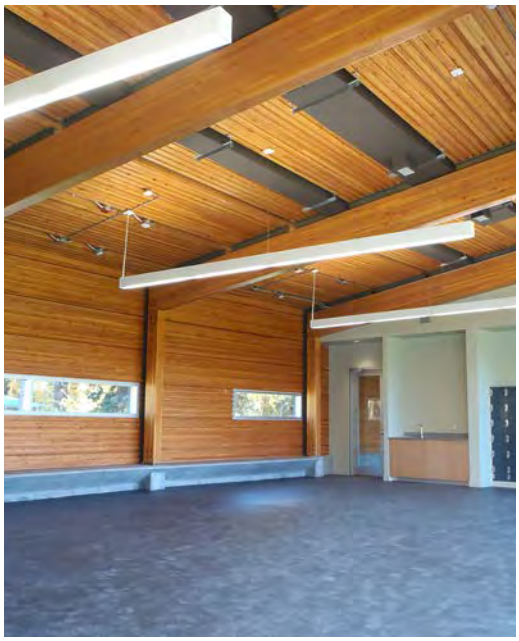
Images courtesy of Raymond Chow

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:
4735m^3 (167210 ft^3) 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.

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Program of the Canadian Wood Council

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