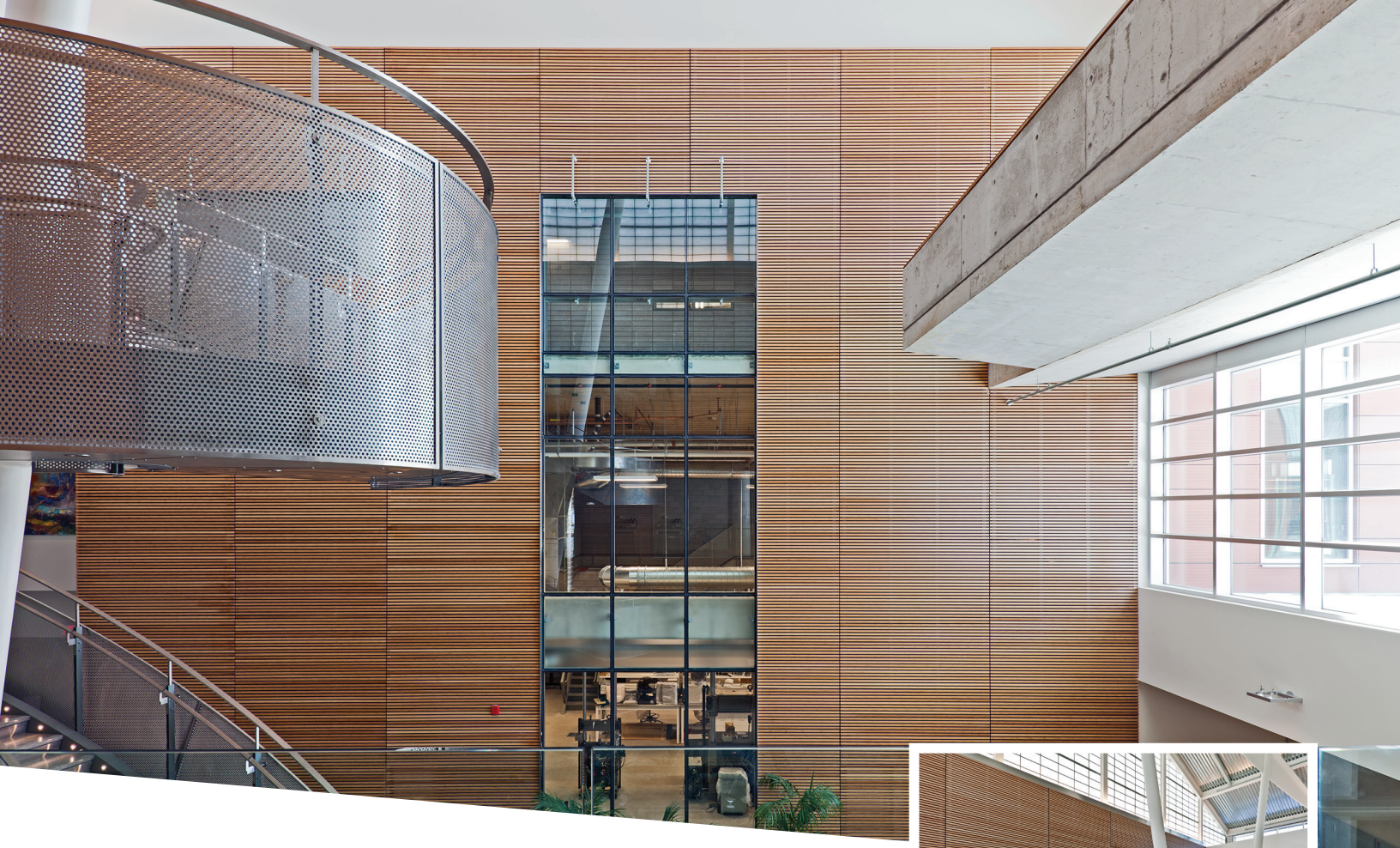
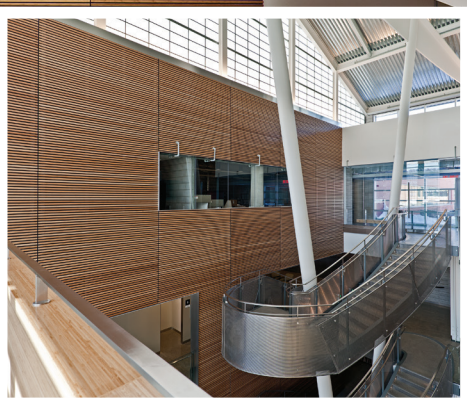




plyboo® SMITH & FONG

Case Study: Commercial

Canmet Materials Technology Laboratory

Industry:
Institutional

Location:
Hamilton, Ontario, Canada

Architect:
Diamond Schmitt Architects

Just completed, the Canmet Materials Technologies Laboratory in Hamilton, Ontario is a state-of-the-art metallurgical facility for Natural Resources Canada. In this design the architects and the laboratory have targeted LEED Platinum as well as the 2030 Challenge, putting this project in the vanguard of energy-efficient research facilities worldwide. Plyboo amber edge grain was used to create an acoustical wall cladding system with great visual appeal. FSC and soy-based, formaldehyde-free were specified to contribute to the IEQc4.4 and MRc7 LEED credits.

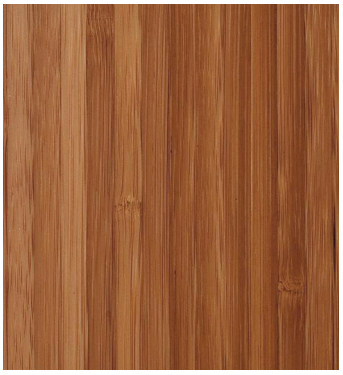
Materials Used:

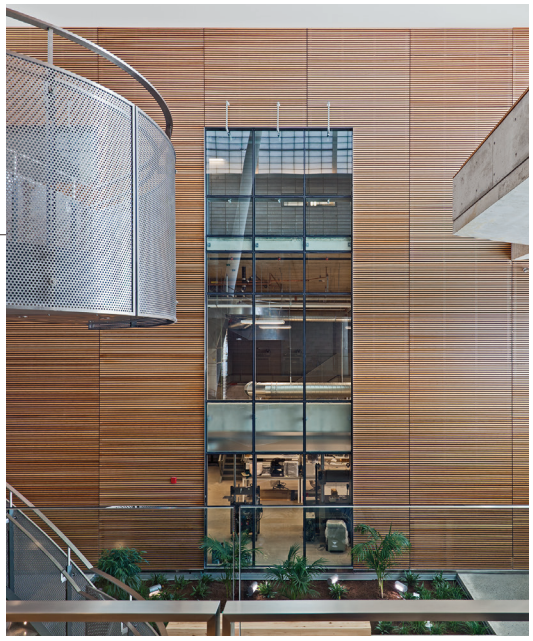
Amber Edge Grain
Bamboo Plywood
BP-V4896A-NAUF /FSC

plyboo® SMITH & FONG

Specifications

Possible LEED Credits:
Low emitting materials and certified wood





Physical / Mechanical Properties - Edge Grain Bamboo Plywood

Dimensions:	3/4" x 48" x 96" 19mm x 1219mm x 2438mm (*mm tolerance +/- .5mm thickness)
Construction:	Three-ply, cross core construction.
Working with Plyboo:	A worksheet is provided with each panel containing useful tips and information and is also available on our website at plyboo.com/downloads.
ASTM E84: Surface Burning	Class C
ASTM D1037: Dimensional Stability	•Linear Expansion (3-ply): Parallel -0.04% / Perpendicular -0.07% •Thickness Swell (3-ply): -0.13% Screw Hold (3-ply) (face/back/edge) • 742 lbs/ 831 lbs/ 860 lbs average
ASTM D4442: Moisture Content	6-9% average
ASTM D 6007-02: Formaldehyde Concentration in Air from Wood Products, small chamber test	Plyboo = 0.004 ppm (surpasses CARB II standards, 0.05ppm & ULEF standards of 0.04ppm)