



Canada Wood Program Highlights

2024-2025



JAPAN MARKET

2024-2025 PROGRAM HIGHLIGHTS

50 Years Strong,
a Legacy of Excellence



Top photo: Family Hospice Kamishakuji House, Nerima Ward, Tokyo

WHY JAPAN

- Large, high-value market for Canada
- Strong Canadian brand for more than 50 years
- Growing opportunities in midrise & non-residential sector



Canada Wood
Produits de bois canadien

Celebrating 50 years in Japan



Top photo: COFI board member representatives at the 50th years anniversary reception

On November 12th, 2024, COFI/Canada Wood Tokyo commemorated its 50th anniversary in Japan with a Wood Forum and Reception at the Embassy of Canada in Tokyo. The event, attended by 190 stakeholders and key customers, reflected on half a century of strategic collaboration that transformed Japan's construction industry. Canada Wood/COFI's early efforts, from spearheading the adoption of the 2x4 building code to launching the Caravan Campaign, reshaped perceptions of wood construction. Investments in research and development further paved the way for multi-family, midrise, and non-residential applications. Key achievements include:

3.3million

2x4 housing starts

4,500

fireproof wooden structures

53

MLIT Ministerial Approvals

156

Wooden midrise construction starts

photo: "This is Me" project



Pioneering Growth in Japan's Midrise Wood Construction Sector

In Japan, seismic performance and fire resistance have long limited larger wood building projects. The "This is Me" project, a five-storey commercial building made entirely of wood, demonstrates how these challenges can be overcome, setting a new standard for midrise wood construction in Japan.

The building uses the **Midply Wood Shear Wall System**, developed by FPInnovations with Canadian S-P-F lumber and OSB. With Canada Wood's support, this system was certified for use under Japan's Building Standards Law and has now been used in over **15,000 projects**



photo: Midply wall system deployed in "This is Me" project

Fire resistance was achieved through rigorously tested assemblies developed with the **Japan 2x4 Home Builders Association**, securing essential fireproof approvals that made the project possible. This project is an example of how Canadian innovation is driving growth in Japan's midrise wood sector.

R&D helps 2x4 system competitive

The long-term success in Japan is fundamentally rooted in research and development (R&D), which ensures the continued evolution of light wood frame systems to meet Japan's stringent building standards. By prioritizing the development of advanced building systems and technologies, we ensure the adaptability and resilience of light wood frame system in Japan's evolving construction landscape.

Test of 90 min. Fireproof Structural Assemblies



The Japan 2x4 Home Builders Association and Canada Wood Japan conducted a preliminary test on 90-minute fireproof walls to address barriers in mid-rise wood construction.

The test showed promising results, supporting efforts to develop solutions that meet regulatory standards. This program, overseen by Dr. Suzuki, aims to drive the growth of mid-rise wood buildings in Japan.

Advancing Next-Gen High Performance Shear Walls for Japan

Canada Wood is leading the development of the next-generation high performance shear walls to meet Japan's new seismic and energy efficiency standards under the Building Efficiency Act, set to take effect in 2025. This innovative shear wall design accommodates increased insulation and higher seismic loads while maintaining cost-efficiency and ease of fabrication. Early tests show the system meets the new requirements.



Expanded Opportunities in Post/Beam sector

Canada Wood secured MLIT Ministerial Approvals for fireproof Post & Beam housing, successfully including 38mm Canadian dimension lumber in the specifications. This gives Canadian species a significant advantage in Japan's traditionally exclusive market.

Amplifying the Voice of Canadian Wood in Japan

Canada Wood Japan continues to expand its reach through proactive campaigns and strategic partnerships. The 2x4 Prommercials, a creative reimaging of the "Three Little Pigs," have engaged over **4.5 million viewers**, promoting the safety, comfort, and sustainability of 2x4 construction. **New video content featuring wooden factories in Hokkaido and Gifu** highlights the efficiency, design versatility, and carbon benefits of Canadian wood in non-residential construction. At the Japan Kenzai Fair, we showcased Canada's leadership in sustainable forestry, drawing significant attention from **15,000+ attendees** and supporting member companies' market strategies.



VOL.2 2024年 cofi.or.jp カナダ産木材 建築 CASE STUDY

ツーバイフォー工法で環境に配慮した木造工場を建設 環境重視の企業理念を建物で体現しました

本拠地: 徳島県阿南市
用途: 工場
建築面積: 15,411㎡
延床面積: 25,775㎡
建物高さ: 5.750m (最高高さ)
1.570m (標準高さ)
構造: 木造二階建て
敷地: 地上10m建て
設計: 建築設計事務所
施工: 建設会社 (株)

クレーンを設置した工場を木造で実現

本拠地: 徳島県阿南市
用途: 工場
建築面積: 15,411㎡
延床面積: 25,775㎡
建物高さ: 5.750m (最高高さ)
1.570m (標準高さ)
構造: 木造二階建て
敷地: 地上10m建て
設計: 建築設計事務所
施工: 建設会社 (株)

VOL.3 2024年 cofi.or.jp カナダ産木材 建築 CASE STUDY

中規模の事務所・倉庫をツーバイフォー工法で建てる 建設コストを抑えながら、強い建物に

本拠地: 宮城県仙台市
用途: 事務所/倉庫
建築面積: 542.36㎡
延床面積: 1,033.36㎡
建物高さ: 4.400m (標準高さ)
4.000m (最高高さ)
構造: 木造二階建て
敷地: 平屋建て
設計: Archi Style 建築設計事務所
施工: 建設会社 (株)

強度があり現場で使いやすいカナダ産 OSB

本拠地: 宮城県仙台市
用途: 事務所/倉庫
建築面積: 542.36㎡
延床面積: 1,033.36㎡
建物高さ: 4.400m (標準高さ)
4.000m (最高高さ)
構造: 木造二階建て
敷地: 平屋建て
設計: Archi Style 建築設計事務所
施工: 建設会社 (株)

CHINA MARKET

2024-2025 PROGRAM HIGHLIGHTS

Evolving, Greener, and
Building Smarter



Top photo: Lishui 4-story office building demo, Zhejiang, China

WHY CHINA

- Transitioning from rapid growth to quality-focused development
- Growing interest in sustainable building technologies
- Embracing prefabrication with advanced wood systems



Canada Wood
Produits de bois canadien

Strengthening Government Support

Market development in China remains a collaborative effort between FII and Canada Wood, focusing on strengthening relationships with government and industry stakeholders to grow opportunities. Government support is becoming increasingly vital and positive for Canada Wood's efforts in China, with growing interest in wood construction from all levels of government, including central, provincial, and municipal authorities.



photo: Wuxi Mayor's group visited Canada Wood/COFI office



photo: Canada Wood/FII team at World Forestry Conference in Shanxi Province



photo: technical seminar with China Real Estate Association delegation at FPIInnovations office



Celebrating Excellence at the Canada China Business Council Awards

Canada Wood Group proudly received two CCBC awards in 2024: **Gold award of Women in Leadership** for Haiyan Zhang's two decades of advancing wood construction codes in China, and **Silver award of Benefit to Canada** for strengthening the Canada-China relationship through our work.

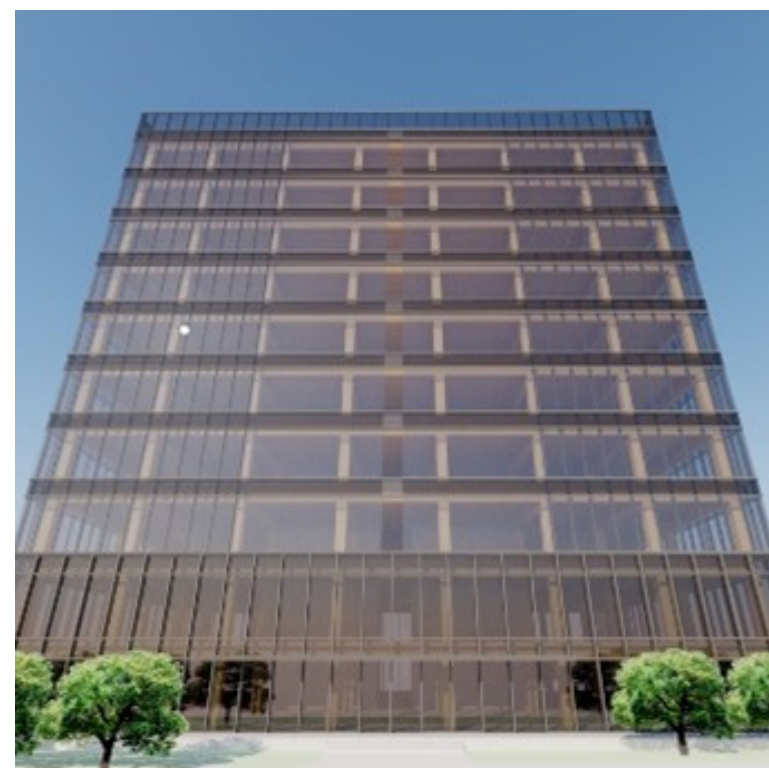
China Timber & Wood Products Distribution Association

Amid a challenging period for the industry, Canada Wood hosted a senior delegation from the China Timber and Wood Products Distribution Association, led by Chairman Mr. Li. This meeting highlighted a renewed interest from Chinese buyers seeking to diversify their supplier portfolios. Discussions focused on Canada's sustainable forestry practices and innovative solutions, underscoring opportunities for collaboration to meet China's growing demand for environmentally friendly materials.



Accelerating Mass Timber Construction with ECADI

ECADI, one of China's largest and most respected architectural firms, is expanding into mass timber design, adding a dedicated wood design department to its workforce. Known for iconic projects like the CCTV Headquarters, ECADI is now partnering with Canada Wood to develop a 10-story mass timber office building in Shanghai. This collaboration, under a renewed MOU, includes establishing a wood construction innovation center to advance mass timber research and adoption in China.



Canada Wood has partnered with **NCTI-GB**, a national platform endorsed by Ministry of Housing and Urban-Rural Development and Ministry of Science and Technology, to promote green building technologies and decarbonize construction. Facilitated by BCFII China, the MOU focuses on technical exchange, resource sharing, and developing standards and demonstration projects to advance mass timber construction as a cornerstone of China's sustainable building future.

Top photo (right): Canada Wood signing MOU with NCTI-GB in November 2024



Glulam Certification

China is embracing wood construction in public buildings, particularly hybrid designs combining timber and concrete. The Jiangsu Provincial Rehabilitation Hospital, featuring a wood-concrete structure with glulam beams and columns, exemplifies this shift. **Through a glulam certification program launched with the China Academy of Building Research,** Canada Wood is driving quality production of glulam products, favoring Canadian species like Douglas Fir. **Douglas-fir glulam products from four manufacturers** have already received certification and more to be signed up to the program.

Top photo (left): The Jiangsu Provincial Rehabilitation Hospital (Right) CBR glulam certificate to Crown Homes

Explore Rural Housing Opportunity



photo: Canada Wood signing MOU with Treezo Group in November 2024

Canada Wood China supported the Nantong Rural Self-Build House Project, a 94m² pilot showcasing 2x4 construction's potential in rural housing.

Recognizing this growing sector, Treezo, China's largest wooden panel manufacturer, launched a 2x4 rural housing department in 2024, achieving early success.



China's First Carbon Calculator for Wood Construction



China's first-ever carbon calculator for wood construction, developed in alignment with the newly published Carbon Calculation and Verification Standard will be launched in 2025. This groundbreaking online tool developed by Canada Wood and Chinese Academy of Building Science, which will be freely accessible to all, will empower designers to make informed, data-driven decisions by comparing the carbon impact of wood versus concrete construction. This is a pivotal step forward in showcasing the environmental benefits of wood construction and advancing sustainable building practices in China.

Chinese CLT Codes Development

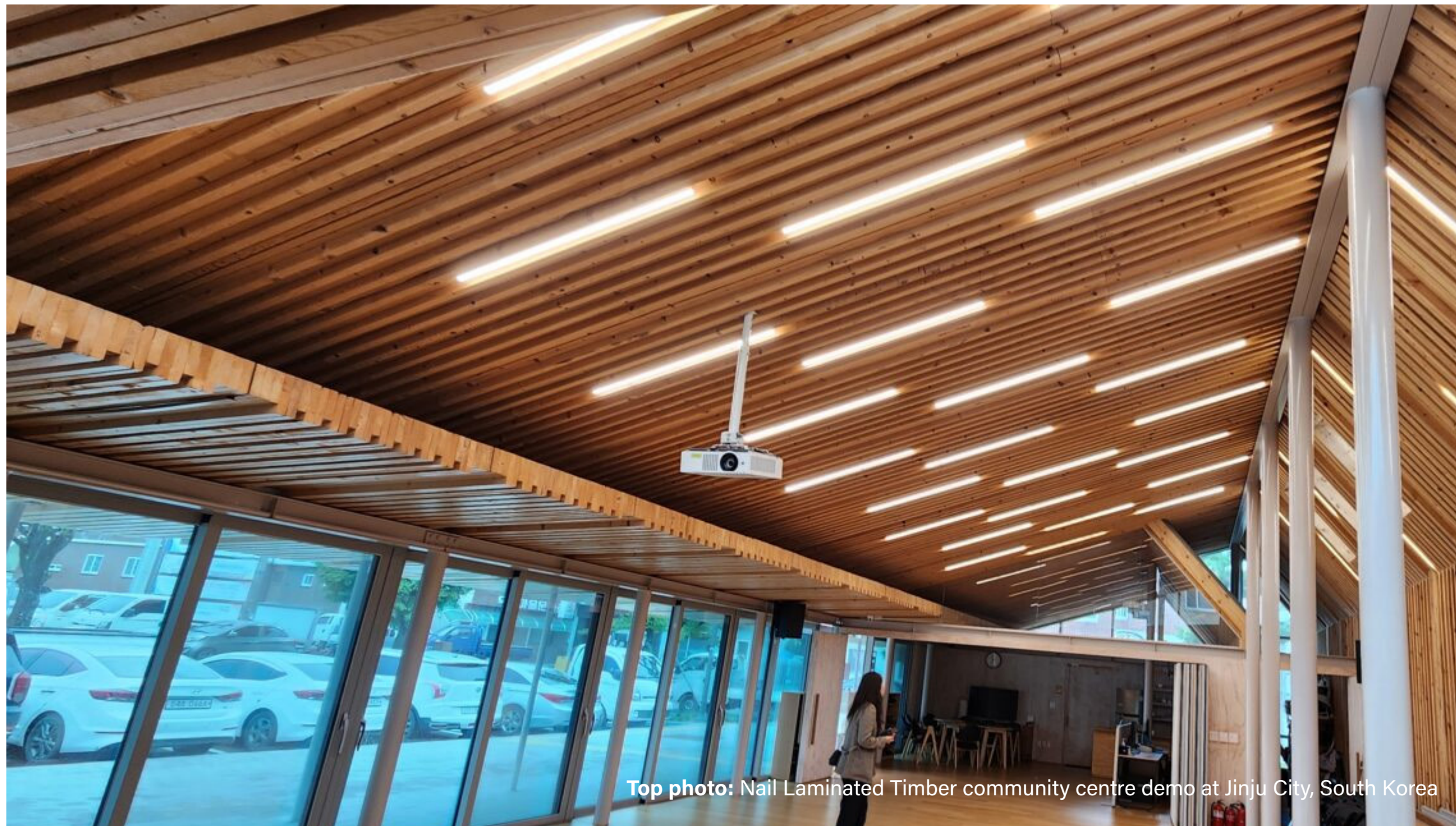
Canada Wood's efforts in China have evolved from focusing on residential wood-frame construction to supporting office, commercial, and mixed-use buildings. China's mass timber sector, particularly CLT (Cross-Laminated Timber), is rapidly emerging as a key growth area in sustainable construction.

Canada Wood China and FPInnovations are working closely with Chinese code committees to ensure Canadian lumber is recognized in the new CLT product and design standards. This includes advocating for the acceptance of Canadian species like SPF, Douglas-fir, and Hem-Fir, and aligning the standards with North American practices, such as ANSI PRG 320.

KOREA MARKET

2024-2025 PROGRAM HIGHLIGHTS

Niche but core market
for Canadian wood



Top photo: Nail Laminated Timber community centre demo at Jinju City, South Korea

WHY KOREA

- Highly import-dependent for softwood lumber products
- Growing interest in sustainable building technologies
- Green policies and consumer support for wood construction.



Canada Wood
Produits de bois canadien

Public Housing Agency Supports Wood Construction in its housing



The Korea Land and Housing Corporation (LH), akin to BC Housing, is at the forefront of public housing and urban development in South Korea. LH is conducting a three-year study to assess the feasibility of constructing a 12-story mass timber apartment building by 2026, with technical support from us.

Building systems like wood infill wall systems and Nail-Laminated Timber (NLT), are also being evaluated for LH's projects as well. As LH embraces wood construction to address sustainability goals, this initiative aims to redefine urban housing with eco-friendly, high-quality designs, supporting South Korea's carbon neutrality objectives and transforming its construction landscape.

32.7%

Carbon Reduction in Building Sector Emissions by 2030

2 billion

South Korea's industrialized construction market value by 2030

12-storey

LH to build Korea's first 12-storey mass timber apartment building by 2026



Top photo: Canada Wood signing MOU with AIK in November 2024

Canada Wood Group and the Architectural Institute of Korea (AIK) have signed a landmark MOU to foster collaboration in academic research and technological innovation. Through this partnership, Canada Wood is providing specialized training to AIK member companies, which include some of Korea's largest builders and architects, equipping them with the knowledge and skills to integrate advanced wood systems into their projects.

Renewed Opportunities for Wooden Apartment Construction

South Korea's MoLIT has removed the 210mm concrete floor requirement for two types of wooden multi-family buildings, effective July 2024. This change, driven by Canada Wood Korea's technical testing work and advocacy, will revitalize the use of Canadian wood in Dagagu* and Dasaedae* housing.



photo: Dagagu Housing In Korea

Dagagu (다가구): Low-rise buildings (up to 3 stories) owned by a single entity and rented as individual units, typically housing up to 19 families.

Dasaedae (다세대): Similar low-rise structures (up to 4 stories) with individual unit ownership, offering affordable options like condominiums.



Dotori : First Super E public building

Dotori Kindergarten, South Korea's first-ever Canadian Super E[®] public building, is setting new standards in energy-efficient wood-frame construction. This milestone project demonstrates the feasibility of high-performance construction, highlights the expertise of local firms in meeting stringent Super E[®] standards, and showcases the efficiency of prefabricated building methods, with the structure framed in just five days. Supported by Canada Wood and delivered through the Korea Institute of Building Construction, Super E[®] offers a sustainable solution for Korea's growing demand for healthy, energy-efficient buildings.

photo: Dotori Kindergarten Project under construction

Wooden City Example: Jinju



Jinju City, Gyeongsangnam-do Province, leads in sustainable construction, with **40% of its public buildings made of wood**, thanks to collaboration with Canada Wood and two landmark projects. Under the leadership of Mayor Kyoo-il Jo and Chief Architect Sam Young Choi, Jinju has embraced wood in urban development, leveraging Canadian lumber for eco-friendly, energy-efficient designs.

The Jinju Community Centre, Korea's first NLT project, and the award-winning Seungsan Village Guesthouse showcase wood's potential as a sustainable, cost-effective alternative to concrete and steel. Now a hub for Canada Wood's tours and seminars, Jinju attracts developers and builders nationwide to learn from its innovative wood construction projects.

Expanding Export Opportunities for Canadian Wood Products

Japan | China | Korea | Vietnam | UK

Follow up on social
@canadawoodgroup



www.canadawood.org

