

Wood WORKS! E-Bulletin Branché sur le bois

The newsletter of the Wood WORKS! initiative / Le bulletin de l'initiative Branché sur le bois

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National

- **2010 Olympics**

Wood WORKS! continues to work with the Olympic Oval design team in providing technical support as necessary, to ensure wood is being showcased in the building. A total innovative wood roof option will be used for the oval making it one of the largest recreational wood structures in the world. Wood WORKS! is also working closely with the architects and engineers involved with the other 2010 facilities being a Curling Rink and Nordic Center and provides technical advice to the construction team to ensure wood solutions are used on all 2010 structures.

Les Jeux olympiques 2010

Branché sur le bois travaille de près avec l'équipe de design de la patinoire Olympique en fournissant le soutien technique nécessaire pour assurer que le bois occupe une position importante dans les bâtiments Olympiques. Une option en bois complètement innovatrice sera utilisée pour l'oval, ce qui en fera un des plus grands bâtiments récréatifs en bois au monde. Branché sur le BOIS! travaille de très près avec les architectes et les ingénieurs impliqués sur d'autres projets pour 2010, tels l'Aréna de curling et le Centre nordique. De plus, Branché le BOIS! fournit de l'aide technique à l'équipe de construction pour assurer que des solutions en bois soient utilisées dans toutes les structures pour 2010.

- **Wood WORKS! Web Site**

The Wood WORKS! web site has been revamped. OPTS has been tested and the new system has been launched. New information has been added and a new user-friendly site has been developed. If you have any comments and suggestions to improve our web site, please forward them to Jennifer Duthie at: jduthie@cwc.ca

Le site Web de Branché sur le bois!

Le site Web de Branché sur le bois! a été amélioré. L'OPTS a été testé et le nouveau système a été lancé. De nouveaux renseignements ont été ajoutés et un nouveau site facile à utiliser a été développé. Si vous avez des commentaires ou suggestions pour améliorer notre site Web, veuillez contacter Jennifer Duthie à : jduthie@cwc.ca

**Wood WORKS! is a Canadian
Wood Council initiative**

*Branché sur le bois est une
initiative du Conseil canadien
du bois*

Feature Stories

[Wood WORKS! BC influences
School Planners](#)

[Royal City Star Casino raises
from the ground with WOOD a
major signature in its design](#)

Upcoming Events

[Sustainability Workshops -
June 1 in Ottawa](#)

British Columbia

- **Vancouver Convention Center Update**

Once again Wood *WORKS!* BC was called on by the design team for the Vancouver Convention Center Expansion Project to provide input and guidance on the specifications and detailing of wood elements planned for the project. This time Technical Consultant Bill Billups, along with Special Projects Consultant Peter Moonen met with the architects of the project to discuss the ceiling slats for the project. The ceiling, like the interior walls, will be made entirely of BC wood, in this case 3" X 6" Glulam slats spaced 18" on center, will run the full length of the building and extending out beyond the exterior glass walls to encompass the soffits of the over hangs. The total area of wood used to be used for this application is approximately 5 ½ acres. The architects have chosen hemlock for the walls and are looking at either Douglas fir or Pine for the interior ceiling. The soffits are to have the same finish as the interior wood application, which means that weathering issues have to be addressed; therefore, providing long term protection for the wood elements through the selection of durable wood species such as yellow cedar and the application of special coatings is being considered. Through the Technical Consultant for Wood *WORKS!* BC (a panel of wood scientists, manufacturers, and wood finishes experts) was consulted and their feedback was brought forward to the design team in preparation for the tendering of this section of work.

- **Richmond Speed Skating Oval**

The general contractor for the Richmond 2010 Olympic Speed Skating Oval is well underway with the construction of the concrete foundations and above ground buttresses required by the design. These elements of the structure are being prepared and have been designed and engineered to support the twin Douglas fir glulam arches and unique SPF and Douglas fir plywood wood wave roof system of the building. Structurlam Ltd. of Penticton, BC has fabricated the first pair of twin arches required for the Oval. The arches are scheduled for shipment from the firm's Okanagan facility in mid June and will be erected at the site by the general contractor shortly thereafter. Overall fifteen twin Douglas fir glulam arches comprising of 3-100 foot segments each and designed to be fastened together on site will span the narrow axis of the 300 ft. by 610 ft. building. The exposed laminated wood arches form the key architectural signature for the Oval and provide the primary superstructure that supports the innovative wood wave panels that have been uniquely engineered for the roof deck and exterior canopy of the Speed Skating facility. The prefabricated innovative roof panels which have been creatively engineered and are fabricated with a built in sprinkling systems component and fire resistant insulation in addition to having a unique acoustical characteristic are currently under construction in Delta at the new StructureCraft Builders Inc. plant. The company has produced about sixty 12' x 42' panels to date and have already reached the targeted 4 panels per day over the next 5 months in order to meet the stringent buildings requirements and site construction schedule.

- **Documentary on Speed Skating Oval Continues to Progress**

Work to document the wood use in the Richmond Speed Skating Oval continues. Wood *WORKS!* BC is working closely with RealWorld Media to capture the use of wood in this unique structure. When complete, the documentary will have two streams, one for a technical audience, the other geared towards the general public. Filming to date has included site preparation and work and filming of design team meetings (Canon Design, StructureCraft, the City of Richmond and Dominion Construction). Particular attention has been given to the on-going development and construction of the wood wave panel roof system. Filming of construction of the first panel prototype and the

Potential Wood Projects Pursued by Wood WORKS!

For more information on the projects , please contact the provincial directors by clicking on the project's link.

British Columbia:

[Vancouver Trade and Convention Centre](#)

[Mission Aquatic Center, Kelowna](#)

[South Okanagan Entertainment Center, Penticton](#)

2010 Olympic Venues:

[Olympic Speed Skating Oval, Richmond, BC](#)

[Whistler Sliding Center, Whistler](#)

Alberta:

[YMCA, Downtown Edmonton, AB](#)

[Community Hall, La Crete, AB](#)

[Evergreen Park Conference Pavilion, Grande Prairie, AB](#)

Ontario:

[Kitchener Library](#)

[Aylmer Fire Hall](#)

Quebec:

[Tim Horton's](#)

subsequent extensive testing process will provide viewers with a better understanding of how the roof panels were constructed. Most recently, the filming included a celebration at the StructureCraft plant when the crew reached their target of building 4 panels per day.

- **Fire Protection Officers**

Technical Consultant Bill Billups has been invited to speak at the Vancouver area chapter of the Fire Protection Officers monthly meeting to be held at the Justice Institute. A one time fire fighter himself he will be discussing ways and means for the Wood *WORKS!* BC program to provide technical seminars on the many topics related to the use of wood in both non-residential and hybrid construction in BC. Providing the FPO membership with continuing education on the ever changing use of wood in these buildings and seeking their input for relative topics they face on a daily basis.

- **Revelstoke Pedestrian Bridge**

At the request of the local community of Revelstoke Wood *WORKS!* BC will be hosting a luncheon in Revelstoke, on May 2nd, to discuss the future of their new 165 foot span walk bridge. Wood *WORKS!* has invited recent Wood Champion Gerry Epp of Fast & Epp Engineering and with Timber Framing boss Joel McCarty from New Hampshire (who help build the Kicking Horse Bridge in Golden) to speak at the luncheon. Together they will give the community a glimpse into the possibilities, new and old, in using wood as the prime structural element of this structure. The International Timber Framing Guild is the organization that facilitated the building of the Kicking Horse Bridge is looking for another project to set their sites upon. As well, they would welcome a chance to return to BC to participate in the building of another spectacular wood bridge.

Alberta

- **Federation of Canadian Municipalities 70th Annual Conference and Municipal Expo**

Will be held at the Telus Convention Centre, June 1 and 2, 2007. Alberta Wood *WORKS!* will be attending, come see us at booth # 715.

- **Dave Pasolli, Technical Advisor,**

has been actively pursuing projects in the Calgary and Edmonton area to help facilitate the development of wood solutions for non-residential building. One of Dave's key objectives is to inform and educate target markets (architects, engineers, technologists, developers, builders, quantity surveyors, inspectors, capital project managers and other influencers) about technical issues concerning wood products and wood solutions.

- **Case Study**

Alberta Pressure Equipment Safety Authority building Case Study is now complete. To obtain a copy please contact Ken Glover at: kglover@wood-works.ca

Ontario

[Stade de soccer à Québec Quebec City Soccer Stadium](#)

[Centre sportif Gatineau/ Gatineau Sports centre](#)

Wood Links

[Become a Wood Champion - Wood Champions Network!](#)

[Wood \(IN\)Site, the electronic newsletter for builders, architects and engineers.](#)

- **Call for Nominations**

Nominations are now being accepted for the 7th Annual Ontario Wood *WORKS!* Awards. Go to www.woodworksawards.com and click on “Nomination Process” to access PDF versions of the nomination forms, or call our office toll-free at 1-866-886-3574 for more information.

- **Student Competition Launched – New Wood Product Design**

Wood *WORKS!* launched an exciting new student competition designed to foster interest and innovation in the value-added wood manufacturing sector. Students at five Ontario Colleges, studying some aspect of wood manufacturing, have the opportunity to win up to \$10,000 for designing a new wood product and creating a viable marketing plan. Go to www.woodworksawards.com and click on the Wood Products Design Competition Brochure PDF for more details.

- **Wood *WORKS!* Steering Committee Meeting – Toronto**

April 24th

A full day strategy session at the Ontario Forest Industries Association offices, led by Marianne Berube (Ontario Wood *WORKS!* Director) and Jamie Lim (Committee Chair and OFIA President & CEO). Supplemental presentations by Etienne Lalonde (CWC), Max Torossi (WW Technical Advisor) and Shawn Stanwick of Farrow Partnership Architects.

- **OLTC / ORCA AGM & Trade Show – Toronto**

April 16th & 17th

As part of our continuing strategy to target decision makers and expand new markets, Wood *WORKS!* participated in the Ontario Lone Term Care / Ontario Retirement Community Association trade show at the Metro Toronto Convention Centre.

- **Lake-of-the-Woods Value Added Conference – Kenora**

May 4th & 5th

Wood *WORKS!* in partnership with Forintek, Lakehead University, NOVA and other industry companies had an educational display to inform the public about what is happening in the value-added industry.

- **FONOM AGM – Kirkland Lake**

May 9th & 10th

Wood *WORKS!* made a presentation that focused on sustainability to mayors from across Northern Ontario and hosted the opening reception at the Federation of Northern Ontario Municipalities annual conference

- **OAA / RAIC AGM – Toronto**

May 9th to 11th

The Ontario Architects Association AGM was very busy this year for Wood *WORKS!* staff. Our booth garnered a lot of attention and we had considerable interest in our recent case studies. Wood *WORKS!* sponsored the breakfast session with Vivian Manasc, Royal Architectural Institute of Canada Chair, who launched the 2030 challenge (to design high-performance and carbon-neutral buildings and developments).

- **Upcoming ...**

Sustainability Seminar – Ottawa

June 1th

The one day seminar will discuss how to incorporate wood into sustainable design and construction, and feature Larry McFarland, RAIC 2007 Award recipient.

IIDEX/NeoCon (International Interior Design Expo & Conference) – Toronto

September 27th & 28th

Wood WORKS! has been a key partner in developing the new “Wood Focus on Green Boulevard” at this year’s show.

7th Annual Wood WORKS! Awards Gala – Toronto

November 6th

For sponsorship opportunities contact Marianne Berube, Ontario Director at 1-866-886-3574.

Toronto Wood Solutions Fair – Toronto November 7th

To exhibit at the Toronto fair, complete the exhibitor registration available online at www.cwc.ca (click on menu item Events / Wood Solutions Fairs / Toronto). Participant registration available online in September.

Québec

- ***Conférence technique pour les ingénieurs : un grand succès!***
Une séance de formation technique Le CNBC 2005 et l'ingénierie des bâtiments commerciaux en bois s'est tenue le mercredi 4 avril au Pavillon Gene-H.-Kruger de l'Université Laval. Dix-neuf (19) ingénieurs de la région de Québec et de Montréal ont assisté à cette séance de formation. Les participants ont indiqué que l'information présentée lors de cette séance les inciterait fort probablement à considérer le bois dans des projets non résidentiels futurs. Ils ont aussi mentionné que les principaux facteurs décisionnels dans le choix d'un matériau pour un projet de construction étaient les coûts et leurs connaissances en matière de techniques de construction. Ils ont suggéré que les prochaines séances de formation portent sur, entre autres, le Code national du bâtiment et les détails d'assemblages. Pour de plus amples renseignements, veuillez contacter Patrice Tardif à: ptardif@videotron.ca.
- ***Technical conference for engineers a success***
A technical training session entitled *Le CNBC 2005 et l'ingénierie des bâtiments commerciaux en bois* was held at Laval University's Gene-H.-Kruger Pavilion on Wednesday April 4th. There were nineteen (19) engineers in attendance from the Quebec City and Montreal areas. Participants noted that the information presented was very likely to incite them to consider wood in future non-residential projects. They indicated that cost and knowledge of the construction system were the main factors they considered when deciding on the building material for a project. Some of the topics they would like addressed in future training sessions include connection detailing and the National Building Code of Canada. For more information, contact Patrice Tardif at: ptardif@videotron.ca .

**Wood WORKS! would like to thank its project partners.
*Branché sur le bois remercie ses partenaires.***

The Wood **WORKS!** project is a national, industry-led initiative, spearheaded by the Canadian Wood Council, to promote the use of wood in commercial, industrial and institutional construction. The Wood **WORKS!** E-Bulletin is our method to communicate to you the many activities, accomplishments and successes of the initiative throughout the past month, as well as upcoming projects and events we are currently working on.

Le projet Branché sur le bois est une initiative nationale, lancée par l'industrie et menée par le Conseil canadien du bois, afin de promouvoir l'utilisation du bois dans la construction commerciale, industrielle et institutionnelle. Le Bulletin Branché sur le bois s'avère notre méthode de communication pour vous informer des activités, résultats et succès du projet au cours du mois, en plus de vous mettre au courant des événements à venir.

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For more information on Wood **WORKS!**, please visit our website www.wood-works.org

Pour de plus amples renseignements, veuillez visiter notre site Web www.wood-works.org