

Release of Finalists: 2009 Alberta Steel Design Awards of Excellence

About the Awards:

The goal of this biennial Awards event is to share and recognize steel design and innovation excellence – promote awareness of the advantages of steel in construction and create networking opportunities for CISC members, partners and clients. Projects are entered in four Award categories: Architectural, Engineering, Industrial and Steel Edge. In 2009 all submissions will also be considered for a special award recognizing sustainability in keeping with this year's theme of : *Advantage Steel...Innovation + Sustainability*.

About the CISC Alberta Region:

The Canadian Institute of Steel Construction (CISC) is the national industry organization representing the structural steel, open web steel joists and steel plate work fabricating industries. CISC promotes sustainable design and safety, together with efficient and economical use of steel as a means of expanding the construction markets for structural steel, joists and plate work. CISC – Alberta Region provides representation for Alberta and undertakes regional initiatives like the Design Awards.

About the Finalists:

The CISC congratulates the following finalists, and all the outstanding projects that were submitted for consideration this year.

2009 FINALISTS

AMEC Americas Limited (Supreme Steel Ltd. – Walters Joint Venture)

De Beers Canada Victor Diamond Mine

The scope of work included design, fabrication, and erection of 4000 tons of building envelope, interior support, and processing bin steel. Installation and erection scope included interior mechanical support structures, 30,000 square meters of composite exterior cladding, q-deck, doors, ore handling and prep bins.

Bantrel Co. (Supreme Steel Ltd.)

Petro-Canada RCP Delayed Coker Structure

At an overall height of 331ft., the super-structure consists of a 77 ft. high elevated cast-in-place concrete frame base and a 254 ft. high concentrically braced steel frame. Overall steel tonnage totaled approximately 1,700 tons and was erected in 25 modules.

CANA Management Ltd. (Triangle Steel)

Calgary Courts Centre

This \$300 million dollar, one million square foot facility, features two soaring towers, connected by a full height 26 storey atrium. The atrium represents the transparency of Justice and is outfitted with gathering spaces at all levels which are connected through a series of bridges that join the two towers.

Cohos Evamy integratedesign

Royal Canadian Pacific Entry Pavilion - Calgary

Embracing the historic and contemporary values of the Canadian Pacific company, the Pavilion provides an entry and address for the exclusive charter railway into the Rockies. Oversized heavy steel members emulate the traditional trestle bridge and the large module limestone masonry empathises with the heavy nature of the Rocky Mountains.

Dub Architects (Collins Steel)

Capital Health Centre

The steel design offers a refreshing new building entry featuring an all-season gathering space. The atrium receives wonderful winter light but is well shaded during the summer.

Bridge-like suspension rods enable the angled roof to cantilever beyond the building face, identifying and dramatizing the formerly hidden entry.

Goodfellow Architecture Ltd. (Empire Iron Works)

Black Foot Crossing Interpretive Centre

A metaphor of the Blackfoot culture, this museum and interpretive centre translates icons of Indian culture into multiple layers of contemporary building forms. The elders saw this building of glass, steel and modern materials as a natural extension of their traditional biodegradable materials used in making tee-pees and ceremonial lodges.

Hartwig Architecture Inc. (Rampart Steel)

Edmonton Pipe Trades Training & Education Centre

As a specialized training facility, this project employs an innovative composite structural system that satisfies the architectural requirements for a stiff floor with long spans, heavy floor load capacity, and minimal depth at a reasonable cost. An added environmental benefit is the efficient use of steel - about 30% less.

Johns Group2 Architecture Engineering

University of Alberta Triffo Hall

Triffo Hall represents the rebirth of South Lab, one of the oldest buildings on campus, originally constructed in 1915. The redevelopment breathes new life into a historic structure as a model for sustainable renovations and the first LEED® registered project by the University of Alberta.

Manasc Isaac Architects / Sturgess Architecture

The Water Centre, Calgary

The Water Centre marries the aspects of environmental fit and functional program into an iconic form that is symbolic of The City of Calgary's Water Services. Steel was used throughout the building -most notably as a super structure to support the roof and as extensive interior and exterior cladding.

SDK et associés (WF Welding & Overhead Cranes Ltd.)

ASU Cold Box – Opti Canada

A modular approach was chosen for the construction of this vertically trussed tower. The 64 meter structure was designed to withstand wind loads with very little lateral deflection. Each of the twelve sub-sections were engineered, detailed, and fabricated with the sole purpose of simplifying field work.

Stantec (Triangle Steel)

WestJet Campus Office Facility

Inspired by WestJet's progressive corporate culture and openness to new ideas, Stantec created a building that appears to "soar". The "bones" of the building, a structural steel framing system, eliminates typically constraining structural issues and allows for the realization of large spans, exterior overhangs, canopies and wing walls.

Stantec Architecture Ltd. (Empire Iron Works)

Mazankowski Alberta Heart Institute

Design elements include flexible space to accommodate advancing cardiac care practice; decentralized nursing models for all cardiac patient floors; surgical areas and catheterization/electrophysiology labs that easily convert and minimize disruption to adjoining services; and other features designed to improve overall efficiency and staff satisfaction.

Supreme Steel Ltd. Bridge Division

Alta Steel Whaler Truss

Supreme Steel Bridge Division fabricated and installed the 16 foot deep - 70,000 lbs temporary whaler trusses for Alta Steel's Re-heat Furnace Project in three weeks. Sustainability of steel was a key element in this project as 60% of the steel was reused and the other 40% was recycled.

Winners will be announced at the 2009 Alberta Steel Design Awards of Excellence:

Thursday March 26th, 2009. Hall D, Shaw Conference Centre, Edmonton AB.

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