

2008 Awards of Excellence in Concrete Construction

Sponsored by the B.C. Ready-Mixed Concrete Association

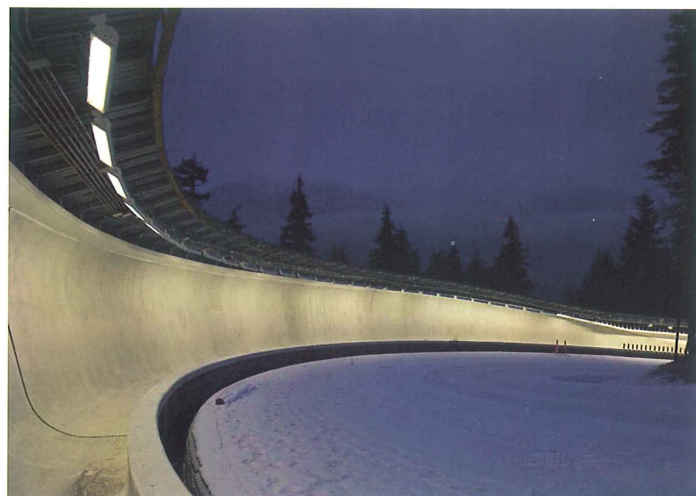
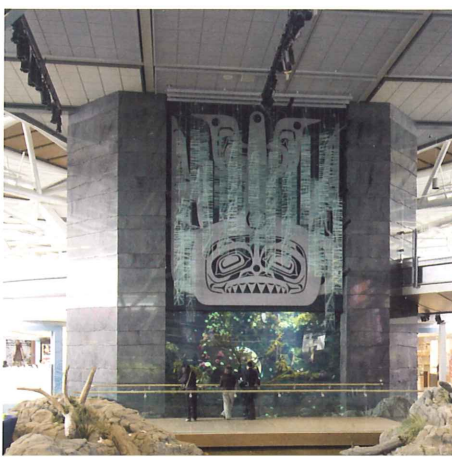


GRAND AWARD OF EXCELLENCE IN CONCRETE CONSTRUCTION

TILT-UP STRUCTURES

Sunset Community Centre
 OWNER • City of Vancouver, Board of Parks & Recreation
 GENERAL CONTRACTOR • Haebler Construction Ltd.
 ARCHITECT • Bing Thom Architects Inc.
 STRUCTURAL ENGINEER • Fast & Epp Structural Engineers
 READY-MIX SUPPLIER • Ocean Construction Supplies Ltd.

From the beginning, the intention was to use a restrained West Coast material palette that was durable yet had a sculptural quality as versatile in its aesthetic quality as it is in its functionality. Typically a concrete structure is placed on the exterior of the building, resulting in a loss of transparency, however, a reverse approach was taken with the Sunset Community Centre. Instead, the primary concrete structure (composed of tilt-up concrete walls) was placed in the interior, creating soaring corridor gallery spaces with a sparse sculptural quality. Designed to LEED silver standards, the Centre is comprised of 46 uniquely shaped panels. The exterior panels are insulated, composed of a structural wythe insulation and an exterior veneer wythe. The end result is a building of poetic simplicity with no form lines, cold joints or tie holes that are hallmarks of standard cast-in-place walls.



CENTURY AWARD

PUBLIC WORKS

Whistler Sliding Centre
 OWNER • VANOC
 GENERAL CONTRACTOR • Emil Anderson Construction Ltd.
 ARCHITECT • Stantec Architecture Ltd.
 STRUCTURAL ENGINEER • Stantec Consulting Ltd.
 READY-MIX SUPPLIER • Cardinal Concrete Ltd.

The Whistler Sliding Centre presented a once in a lifetime challenge and, as a result, the judges created a brand new category, the Century Award, to recognize this incredible engineering feat. While not the longest sliding track in the world, this combined bobsleigh, luge and skeleton venue features a 1700-metre concrete track made up of a 150-millimetre thick, reinforced concrete thin shell structure with 16 curves and 23 structural sections. At the flexible supports located every five metres, concrete pendulum columns complete with neoprene pads on reinforced concrete footings were used to accommodate a range of movement and twisting of the track. Because of the track shape complexity and rugged terrain, cast-in-place shotcrete was selected for the track structure. The project team evaluated numerous mix designs and placement methods for the base and finish coat application, the latter requiring precision of within three millimetres.

SPECIAL APPLICATIONS – ARTISTIC MERIT

ITB West Chevron Expansion
 OWNER • YVR Project Management Ltd.
 GENERAL CONTRACTOR • PCL Constructors Westcoast Inc.
 ARCHITECT • Stantec Architecture Ltd.
 STRUCTURAL ENGINEER • Bush, Bohlman & Partners
 READY-MIX SUPPLIER • Ocean Construction Supplies Ltd.

CERTIFICATE OF MERIT

Swartz Bay – Berth #2 Pontoons
 OWNER • B.C. Ferries
 GENERAL CONTRACTOR • Vancouver Pile Driving Ltd.
 STRUCTURAL ENGINEER • Hebden Engineering Inc.
 READY-MIX SUPPLIER • Ocean Construction Supplies Ltd.

CERTIFICATE OF MERIT



ARCHITECTURAL CONCRETE

SFU Arts & Social Science Complex – Module I
 OWNER • Simon Fraser University
 GENERAL CONTRACTOR • Bird Construction Co.
 ARCHITECT • Busby Perkins & Will
 STRUCTURAL ENGINEER • Fast & Epp Structural Engineers
 READY-MIX SUPPLIER • Kask Brothers (a division of Lafarge Canada Inc.)



CAST-IN-PLACE CONCRETE

Bentall 5 – Phase 2
 OWNER • BTC Properties II Ltd.
 GENERAL CONTRACTOR • EllisDon Westpro Construction Inc.
 ARCHITECT • Musson Cattell Mackey Partnership
 STRUCTURAL ENGINEER • Read Jones Christoffersen Ltd.
 READY-MIX SUPPLIER • Ocean Construction Supplies Ltd.



MID TO HIGHRISE

The Hudson
 OWNER • Wall Financial & Rob Macdonald



MULTI-FAMILY RESIDENTIAL

Tapestry
 OWNER • Concert Properties Ltd.
 GENERAL CONTRACTOR • Bosa Construction Inc.
 ARCHITECT • Nigel Baldwin Architects Ltd.
 STRUCTURAL ENGINEER • Glotman Simpson Consulting Engineers
 READY-MIX SUPPLIER • Lafarge Canada Inc.



SINGLE FAMILY RESIDENTIAL

Pearson Residence
 OWNER • Richard Pearson
 GENERAL CONTRACTOR • Wood Brothers Construction
 ARCHITECT • JWT Architecture & Planning
 STRUCTURAL ENGINEER • J.A. Rogers, P.Eng.
 READY-MIX SUPPLIER • Rempel Bros. Concrete Ltd.