

## CANADA - NEW ARCHITECTURE (DIGITAL) 2005-2007

	<b>MONTREAL</b>	<b>Palais des Congres expansion.</b> (Orig.1984, Victor Prus) 1999-2002, archts. TETREAUULT DUBUC SAIA & Associates.
DACA2530		Facade onto Place Jean-Paul Riopelle, from NW. (Note ' <i>Translucide</i> ' by J-F CANTIN, M. LEMIEUX, V. PILON in upper (L) of facade).
DACA2531		Facade from SW.
DACA2532		Int., facade onto Foyer, multi-coloured panes of curtain wall.
DACA2533		Int., towards SW entrance.
DACA2533a		a/a, view up to ceiling over SW entrance.
DACA2534		Int., Hall sculpture: Le jardin nature Legere "Lipstick Forest", 52 actual tree trunks cast in concrete, pink-painted; 2003, Group Aquanov.
		<b>Fountain-sculpture: "La Joute"</b> 1969-70, Jean-Paul RIOPELLE; re-installed 2003 foreground of Palais des Congres. Monumental work, 31 elements, bronze.
DSCA0800		Overview in setting.
DSCA0801		Close-up, central piece and fountain.
DSCA0802		Det., a Dancer.
DSCA0803		Det., Cat figure.
DSCA0804		Det., Indian chief.
DACA2535	<b>OTTAWA</b>	<b>(New)Embassy of the United States of America.</b> 1999, archt. David M CHILDS, SkidmoreOwings Merrill. Overview from NW; vast metal grid forms curtain wall for facade.
DACA2536		S elevation, with sculpture: 'Conjunction', 1999, Joel SHAPIRO, ht.12m.
DACA2537		Main Entrance bay, with hexagonal "watchtower" on roof.
	<b>OTTAWA</b>	<b>Canadian War Museum.</b> 2005, MORIYAMA & TESHIMA Architects. Canting walls of rough board-formed concrete at 30°, approx 30 ft height. ( <i>only hi-res JPGs</i> )
DACA0170		E facade and N peak of Regeneration Hall; window slits read in Morse code (in English & French) "Lest we forget".
DACA0171		View of facades from SE.
DACA0172		S elevation.
DACA0173		a/a, det., canting wall abutting glazed gallery; punched slots for windows read Morse code initials "C.N.M."
DACA0174		Int., Main Lobby, folding metal 'stealth' ceiling lowering above.
DACA0175		Int., vertical slanting walls of coloured slate & marble.
DACA0176		Int., annex to Memorial Hall with tombstones of dead soldiers.
	<b>TORONTO</b>	<b>Sharp Centre for Design (OCAD).</b> 2004, archts. Will ALSOP(Alsop Architects London), Greg WOODS(Robbie Young+Wright Architects Toronto). Design Faculty occupies 60,000 sq.ft. in vast rectangular 2-storey trussed steel box, 26m above ground, supported by 12 hollow steel stilts 27m high x 914mm diameter.
DACA0116		Overview, in streetscape.
DACA0117		a/a, the 'flying rectangle' atop multicoloured pencil crayon-like stilts, from S.
DACA0118		Garden view of rectangular box, pixillated black/white patterned cladding.
DACA0119		a/a, underside of box showing large red exit staircase, supporting stilts.
DACA0120		Facade, Administration & support facilities below box onto McCaul Street.
DACA0121		a/a, 4-storey glazed curtain wall of main entrance, portals below grade.
ACa-2542A	<b>TORONTO</b>	<b>Humber River Bicycle/Pedestrian Bridge.</b> 1994, MONTGOMERY & SISAM Architects with Environmental Artworks Studio. White-painted 100m double arch spans banks of river soaring over 6.5m wide x 139m long multi-use pathways on lakeshore.
ACa-2543A		<b>CPR Roundhouse @ John Street.</b> 1929, bldrs. ANGLIN-NORCROSS(Montreal); closed down 1986, rest'd 1995 as brewery, also vintage steam locomotives.
ACa-2544A		<b>Holiday Inn on King Street.</b> 1990, archt. Stan DOWNEY. Stepped, 20-storey, white-clad and glazed building. "jelly-mould Art Deco". Aerial view.
ACa-2545A		a/a, facades.
	<b>TORONTO</b>	<b>Leslie Dan Faculty of Pharmacy/University of Toronto.</b> 2006, archts. FOSTER and Partners+ CANNON DESIGN. Cube-shaped, 13-storeys, glass curtain wall surrounds a vast atrium; building inner space 167,000 sq.ft.
DACA0153		Overview of building, from SE.
DACA0154		Main facade, from E.
DACA0155		a/a, upper levels.
DACA0156		Rear corner elevation, det., cladding & glazing.
DACA0157		Colonnaded portico: slim columns support projecting upper levels.
DACA0158		Int., the Lobby, with large Pod over.
DACA0159		Int., steel frames support high ceiling of Lobby.
DACA0160		Int., main Pod suspended over Lobby, contains lecture theatre with study room above.
DACA0161		Int., main Pod with gallery onto upper study space.
DACA0162		Int., view up, smaller Pod contains small lecture room and faculty lounge.
DACA0163		Int., a classroom from staircase.

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	<b>TORONTO</b>	<b><u>Four Seasons Centre for the Performing Arts.</u></b> 2006, DIAMOND & SCHMITT Archts. Glazed facades, black brick-clad side walls. Horseshoe-shaped 5-tiered auditorium <u>View from NW.</u> <u>Close-up, main Entrance facade.</u> <u>SW elevation, exits.</u> <u>Overview: City Room,</u> the glass enclosed Main Lobby; Glass Staircase to (L), and full height slatted wooden screen of Fraser Elliott Hall to (R). Wood screen enclosing tiered outer balconies of the Fraser Elliott Hall. <u>Glass Staircase,</u> free-standing up 4 levels above City Room spaces. a/a, det., a flight of glass steps. a/a, det., underside of glass staircase. <u>Grand Staircase,</u> rising from floor of City Room. <u>Richard Bradshaw Amphitheatre,</u> used for live solo performances etc. Glazed Bar counters for patrons' use. Exterior & Interior glazing support structure. a/a, det., horizontal metal "clips" between the double glazing of walls. a/a, det., vertically placed metal "clips" between the double glazed walls. <u>Ring 5</u> – outer balcony area and Skylight. <u>Exit staircase</u> between Rings 4 and 5. <u>Fraser Elliott Hall</u> – view across horseshoe-shaped auditorium. a/a, typical Orchestra level seating. a/a, circular opening in dome ceiling with acoustic plaster panels. a/a, four tiers/rings, perspective view up, seating on an arm of horseshoe auditorium. <u>Orchestra Pit</u> – 6.4m wide, tranverse view.
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	<b>TORONTO</b>	<b><u>Terrence Donnelly Centre for Cellular &amp; Biomolecular Research.</u></b> 2006, archts., BEHNISCH, BEHNISCH & Partner(Stuttgart) with architectsAlliance(Toronto). The Centre is part of University of Toronto campus, on narrow site set back from street expanding to rear. Building is 12-storeys with a 'split' at 7 <sup>th</sup> floor allowing for the insertion of mechanical plant; almost all glass cladding. Overall view of Centre from S. Upper levels above 7 <sup>th</sup> floor 'split'. a/a, view up, double-glazed curtain wall supporting sytem, allows for shading & cooling. E elevation. E side garden area and 2 <sup>nd</sup> level entrance. Int., densely planted bamboo garden, 6-storeys high, flanking main staircase with columns supporting ceiling above. Int., det., column engaging with floor beams. Int., cantilevered curving "pod" onto concourse, used for seminars. a/a, det., fine small Italian glass tiles of mosaic in brilliant red clad the "pod". Int., concourse level towards S. <u>Sculpture: Spirit of Discovery,</u> Veronica & Edwin Dam de NOGALES, bronze and stainless steel.
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	<b>TORONTO</b>	<b><u>Gardiner Museum of Ceramic Art.</u></b> 2006, archts. KUWABARA PAYNE McKENNA and BLUMBERG. Re-modeling expansion of 1984 building, archt. Keith WAGLAND. Overview – elegant facade of squares & rectangles, glass and Indiana limestone. W elevation, facade close up. S elevation, glazed Terrace on 3 <sup>rd</sup> level. Int., Lobby & Giftshop, spacious area. a/a, det., display of 3 tall vases forming silhouettes of children. Int., display area, glass cases. a/a, det., tall Picasso vase(in glass case). a/a, det., a Latin America votive figure(in glass case). Int., exhibition of clay figures – Jean-Pierre Larocque. a/a, det., 'Untitled', head, in clay by Jean-Pierre LAROCQUE.
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### TORONTO

**Michael Lee-Chin Crystal/Royal Ontario Museum.** 2007; (extension to Museum).  
Arch. Daniel LIBESKIND, 'stick' steel framing ARUP, with HALSALL Associates  
Five interlocking crystalline-shapes projecting over streetscape; brushed aluminum  
cladding interspersed with glazing in strip form.

(images taken BEFORE exhibits were installed)

Poster "Building the Future!" **N/C**

Construction Crystal #1. 'stick' steel framing in place, inserted strip glazing visible.

Construction Crystal #1. Main peak, hoisting aluminum panels into place.

View: facades looking E on Bloor Street.

View: facades of 5 Crystals looking W on Bloor Street.

Crystal #1. Overhanging streetscape along Bloor Street.

Facade of Crystal #4, contrasting with 1913 Italianate museum bldg.

a/a, close-up of strip window system in sloping planes.

Facades of Crystals #4,#5, onto Bloor Street.

Intersecting planes of Crystals #2 & #3.

Main Entrance.

Gloria Chen Court, the Atrium.

a/a, Reception, lit by two large geometric skylights.

a/a, Currelly Gallery of original Museum, archways creating continuity.

Stair of Wonders. Linking levels 1-5, zig-zag design with small display cases in walls.

a/a, view down from level 4.

a/a, det., display case in wall on a landing.

Level 4, Crystal #1. Large open area, for Dinosaur displays; overview of sloping walls at  
W end.

a/a, det., glazed window strips.

a/a, E end, entrance flanked by dramatically inward sloping walls of peaked roof.

a/a, det., narrow window fixation.

a/a, large strip window highlighted by inner wall separations.

Level 3, Crystal #4. Overview of future exhibits space.

a/a, low sloping ceiling contrasting with acute angle of wall.

a/a, main window highlighted by large cross-beams of interior.

a/a, view of angled walls.

a/a, window outlook down to Bloor Street.

a/a, inner wall construction and window.

a/a, patterns of light created by angular placed window strips recessed into wall.

a/a, view up towards a skylight.

### WATERLOO

**Perimeter Institute.** 2004, archts. Gilles SAUCIER + Andre PERROTTE(Montreal).  
Centre for Theoretical Physics; long rectangular building, 4-storeys, 6,000sq.m.,  
concrete & glass.

S facade, clad in black anodised-aluminum panels.

a/a, W end close-up.

a/a, det., windows framed with mirrors, ventilation grilles.

W end, perspective view of two wings, glazed interiors behind facades.

W elevation, the 2 wings separated by Courtyard.

a/a, interior of Courtyard towards glazed linking corridors between wings.

S facade, cantilevered stacked "boxes" of offices overlooking reflecting pool.

a/a, close-up, linear concrete columns supporting research offices above.

a/a, det., side elevation of 3 floors projecting over reflecting pool.

a/a, Lecture Theatre, vertical slit windows below floating roof.

a/a, mid section, entrances into glazed Atrium.

Int., Atrium towards W end.

Int., Atrium towards S side, glazed suspended corridors of Administration block.

Int., a/a, S elevation, glazed walls of 4 levels.

Int., 'floating' concrete staircases on N side of atrium.

View through S portico off the Atrium.

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**FRANCE - Digital Images 2005-2007**

**MILLAU**

**Viaduct de Millau.** 2001-2004; archt. Lord Norman FOSTER, design engineer Michel VIRLOGEUX. Constructed by EIFFAGE Group with ARCADIS. Viaduct bridges the Valley of the River Tarn completing the A75 autoroute to South. Tallest & longest vehicular bridge in the world at 336.4m high, 2.46 kms long!  
Cable-stayed(multicable) in fan-arrangement from 7 pylon masts(ht.89m) exiting from seven massive reinforced concrete piers. Roadway base is of welded steel with modified bitumen surfaced 4-lane roadway.

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Welcome to Millau! Poster, aerial view shows Millau, Valley relationship with Viaduct (**N/C**)

View: Town of Millau. seen from the Viaduct.

View: Millau Viaduct & Bridge seen from River Tarn in Millau.

Millau Viaduct straddling Valley of River Tarn.

Perspective view of Viaduct & Bridge of 8 spans, each 350m long.

Massive hexagonal, reinforced concrete piers embedded in floor of the valley.

a/a, det., close-up of bearings interface supporting bridge.

View: Five of the 7 masts. Fan-shaped sets of cablestays linked to centre of bridge.

a/a, det., single mast with fan-shape of cablestays.

a/a, det., one side of the 11 cablestays exiting from the mast.

a/a, close-up of attached cablestays to mast.

Brise-vents, sloping inwards at sides of roadway, 3m high.

Crash barrier on inner side of brise-vents along side of bridge.

Sensitomer connections for tracking wind forces affecting bridge stability.

View: looking South along roadway of bridge.