

# Arts, Culture and Recreational Facilities



Morrison Hershfield has extensive experience working with arts and entertainment facilities of all sizes. Using creativity and innovation with materials and environmental controls, we contribute to world-class buildings that will have a lasting and powerful impact on our culture. Building types include:

- Museums and art galleries
- Places of worship
- Fitness centers and gymnasias
- Ice rinks and arenas
- Golf clubhouse and maintenance
- Parks and conservation area buildings
- Pools and recreational centers
- Convention centers
- Community centers
- Casinos

Our services include

- Building envelope consulting
- Building condition assessment and evaluation
- Code, fire protection and life safety
- Due diligence assessments
- Electrical engineering
- Facility assessment and evaluation
- Indoor air quality
- Infrared thermography
- Litigation support and expert witness
- Mechanical engineering
- Mold and water penetration investigations
- Project and construction management
- Public private partnerships (P3)
- Renewal planning and reserve funds
- Structural engineering
- Sustainability, Green buildings
- Technical advisory services



Arena Roof Truss  
Rehabilitation



Building Envelope  
Review for Canadian  
Museum of Civilization



Convention Center  
Expansion Project



Rainforest Exhibit,  
Ontario Science  
Centre



Speed Skating Oval,  
Envelope Consultant



### **Envelope Repairs, Pressure Reduction and HVAC System Balancing for Art Gallery**

The Robert McLaughlin Gallery is a three-storey art gallery with office and restaurant space. This concrete structure includes exterior synthetic limestone masonry cladding, major rooftop skylight and multiple exterior soffits. The gallery's interior includes a highly controlled environment (high humidity levels and high internal air pressures) for the art displays and storage. Major envelope defects resulting from a major expansion had resulted in considerable cladding deterioration. We investigated several key integrated areas and identified the necessary remedial work to the building envelope and HVAC systems.



### **Richmond Speed Skating Oval**

We provided building envelope consulting services for the design and construction of the innovative Speed Skating Oval constructed on a 29 acre site in Richmond, BC. The Oval is a world class speed skating facility that after the 2010 winter games will be transformed into the Municipal Centre of Excellence for Sports and Wellness. The leading edge sustainable facility was designed to achieve a LEED<sup>®</sup> silver certification. The building has 24,000 m<sup>2</sup> of floor space, which includes a ground level parking garage and multi-purpose rooms and the skating rink at the second level. The concrete structure is clad with curtain wall, polycarbonate panels and metal panels. The roof assemblies are two-ply SBS and single ply PVC membranes.

