



WAYNE GRETZKY SPORTS CENTRE ADDITIONS & RENOVATIONS

BRANTFORD, ON

QUICK FACTS

- + Sports & Recreation Facility
- + Aquatics Centre
- + Four-Pad Arena
- + \$50-Million Budget
- + 240,000 square feet
- + Smith + Andersen Mechanical



PHOTO CREDIT: CS&P Architects Inc.



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ABOUT THIS PROJECT

- + Retained to provide the next stages of construction administration following the design phases (included the “close-out” of Phase 1 and the full construction administration of Phase 2). The Engineer-of-Record remained as the original design engineer for the project.
- + Phase 1 included a new four-pad arena, new change rooms, a restaurant and pro shop, multi-purpose rooms, a gymnasium, and an indoor running track.
- + Phase 2 included an aquatic centre with a 25-metre pool, a therapy pool, a fitness and dry land training centre, change rooms, aerobics, weight lifting spaces, and a Wellness Centre.
- + The backbone of the mechanical design is a heat pump system with a combination of central air handlers (heat pumps) and local, space-mounted heat pumps to serve the heating and cooling requirements.
- + Heat recovery make-up air handlers provide outdoor air (for ventilation).
- + Heat is reclaimed from the refrigerant systems that create the ice in the rinks and is used in the domestic hot water and heat pump loop if required.
- + Dehumidification air handlers are utilized in the aquatics centre and desiccant air handlers are utilized in the ice rinks.

LOCATION
Brantford, ON

**SMITH + ANDERSEN
SERVICES PROVIDED**
Mechanical

SIZE
240,000 sq. ft. (22,296 sq. m.)

BUDGET
\$50 Million

COMPLETION YEAR
2013

HOT BUTTONS

SPORTS FACILITY

NEW BUILD

MECHANICAL

AQUATICS

ARENAS

COMMUNITY

RECREATION



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