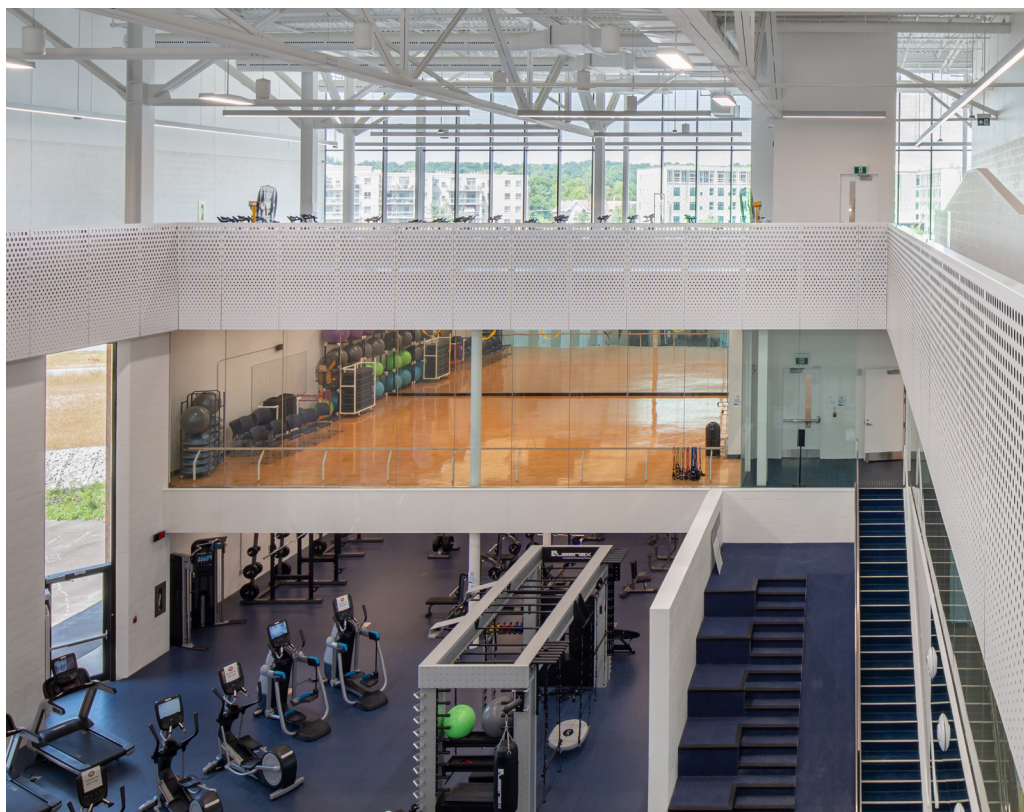




# ORILLIA MULTI-USE RECREATION CENTRE

ORILLIA, ON



## QUICK FACTS

- + Recreation Centre
- + 106,000 square feet
- + \$50-million Budget
- + Smith + Andersen  
Mechanical, Electrical,  
Data Communications,  
Safety and Security,  
Audio-Visual
- + Sustainability Services  
(Footprint)



# ORILLIA MULTI-USE RECREATION CENTRE

## ABOUT THIS PROJECT

- + Two-storey building constructed on undeveloped land, to provide additional amenities for the neighbourhood.
- + Includes an aquatic centre with a 25-m, 8-lane pool and lap pool, leisure pool, and therapy pool.
- + Features a gymnasium with two FIBA sized basketball courts (can be reconfigured for badminton and volleyball), fitness studio, walking / running track that encompasses the facility, multi-purpose rooms, pre-school room, and office space.
- + Natatorium is served by a constant volume dehumidification unit, capable of 100% outdoor air (OA), for free cooling.
- + Exchange the heat generated by the compressors with the pool water, to heat the pool or supply air to maintain space conditions.
- + Provided variable air volume (VAV) air handlers for the gym and fitness areas, along with the 100% OA change room unit complete with heat recovery sections to reclaim / reject waste heat from exhaust air streams.
- + A central boiler plant, consisting of four ultra-high efficiency condensing boilers, serves the air handling units in addition to perimeter radiation.
- + Plumbing system uses water saving fixtures such as low-flow water closets, urinals, and lavatories to minimize water consumption.

### LOCATION

Orillia, ON

### SMITH + ANDERSEN SERVICES PROVIDED

Mechanical, Electrical, Data Communications, Safety and Security, Audio-Visual, Sustainability (Footprint)

### SIZE

106,000 sq. ft. (9,820 sq. m.)

### BUDGET

\$50 Million

### COMPLETION YEAR

2018

### AWARDS

Brownie Awards - Rebuild - Redevelopment at the Local, Site Scale (2016)

## HOT BUTTONS

COMMUNITY CENTRE

ARENA

AQUATICS

AUDIO-VISUAL

CONSTRUCTION MGMT

TELECOMMUNICATION

DESIGN-BID

ENERGY MODELING

