



# EMERALD HILLS AQUATIC & WELLNESS CENTRE

SHERWOOD PARK, AB



## QUICK FACTS

- + Recreation Centre
- + Sustainable Design
- + 52,850 square feet (approx.)
- + Smith + Andersen Mechanical, Electrical, Lighting, Data Communications, Audio-Visual

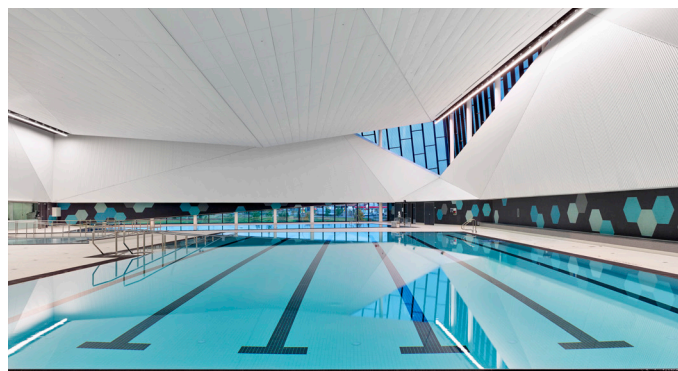


PHOTO CREDIT: Shai Gil Photography



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## ABOUT THIS PROJECT

- + Addition to Archbishop Jordan High School.
- + Two-storey facility featuring a natatorium with four-lane and six-lane, 25-metre lap pools, a leisure pool, kid’s teaching pool, whirlpool, as well as a steam room, administration areas, and a wellness centre.
- + Four-lane pool contains a movable floor, in addition to a salt water pool.
- + Used ultra-high efficiency condensing style boilers, air-to-air heat recovery devices (total energy recovery wheels for sanitary and outdoor air, and heat pipes for pool air exhaust and outdoor air), along with variable frequency drives to lower building utility costs.
- + Pool air handling systems rely on the Edmonton climate by employing a push-pull ventilation unit designed to vary the flow of outdoor air into the space to dehumidify as much as ambient conditions will permit.
- + Designed the pool filtration and recirculation systems in accordance with Strathcona County’s standard practice (approved vertical sand filtration system with additional flocculation and coagulation agents to improve filtration success and an oxidization agent for improved swimmer comfort).
- + Electrical distribution design integrated all of the modern and efficient systems of the aquatics centre.

### LOCATION

Sherwood Park, AB

### SMITH + ANDERSEN SERVICES PROVIDED

Mechanical, Electrical, Lighting,  
Data Communications,  
Audio-Visual

### KEY TEAM MEMBERS

MacLennan Jaunkalns  
Miller Architects, Marshall  
Tittmore Architects

### SIZE

52,850 sq. ft. (4,909 sq. m.)

### BUDGET

\$28.8 Million

### COMPLETION YEAR

2016

### AWARDS

Interiors Magazine, *Best of  
Canada Design Competition*  
(2017)

ARIDO Excellence in Interior  
Design Awards, *Award of Merit*  
(2017)

## HOT BUTTONS

AQUATICS

RECREATION CENTRE

LIGHTING

ADDITIONS

AUDIO-VISUAL

NEW BUILD

SUSTAINABLE DESIGN



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