



Sports Facility/
Gymnasium/Fitness
Center

Renovation/Addition/Restoration

GMB ARCHITECTS-ENGINEERS

85 E. Eighth Street,
Suite 200
Holland, MI 49423
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Christina Baer
616/796-0200

DESIGN TEAM

Tom VanDeGriend, AIA,
Principal
Rob DenBesten, AIA,
Project Architect
Ron Snoeyink,
Mechanical Engineer
James Harrison, PE,
Pool Engineer
Randi Paananen, PE,
Electrical Engineer
Acoustics By Design,
Acoustical Engineer

OWNER/CLIENT

Zeeland Public Schools
Zeeland, MI
Gary Feenstra,
Superintendent
616/748-3000

Type of School and
Grades Served:
High School, 9-12
Capacity: 552 students
Size of Site: 40 acres
Area of Building:
35,200 square feet
Volume of Building:
1.2 million cubic feet
Square Foot Cost: \$190
Cost of Construction:
\$9.1 million
Total Project Cost:
\$11.1 million

Contract Date: June 2004
Completion Date: July 2006
Percent of Completion: 100%

HIGH SCHOOLS

Zeeland Natatorium

Zeeland, Michigan

GMB Architects-Engineers



NATATORIUM ENTRY

Zeeland Public Schools (ZPS) has perennially fielded successful aquatic programs. Having long outgrown the district's existing facilities, they acquired funding for a new natatorium.

ZPS required the new natatorium to provide a competition venue rivaling collegiate facilities. Details were developed that provided the athletes with a competitive advantage. The natatorium houses a 10-lane competition pool; 16 practice lanes; two one-meter, and two three-meter springboards; and competition and practice water polo. The pool includes a movable bulkhead providing for a 33.3-meter, 25-meter, or 25-yard competition length. The 25-yard pool width provides 16 lanes of swimming in the perpendicular direction. Competitive speed of the pool is enhanced through a wave-reducing gutter design, eight-foot pool depth, and under-floor inlets. Other features include state-of-the-art 21-foot by 11-foot full-color LED video/electronic timing system with custom RJP starting



COMPETITION SWIMMING VENUE

blocks and underwater camera, computer-controlled chemical feeders, home and visitor team locker rooms, and a 552-seat spectator viewing area.

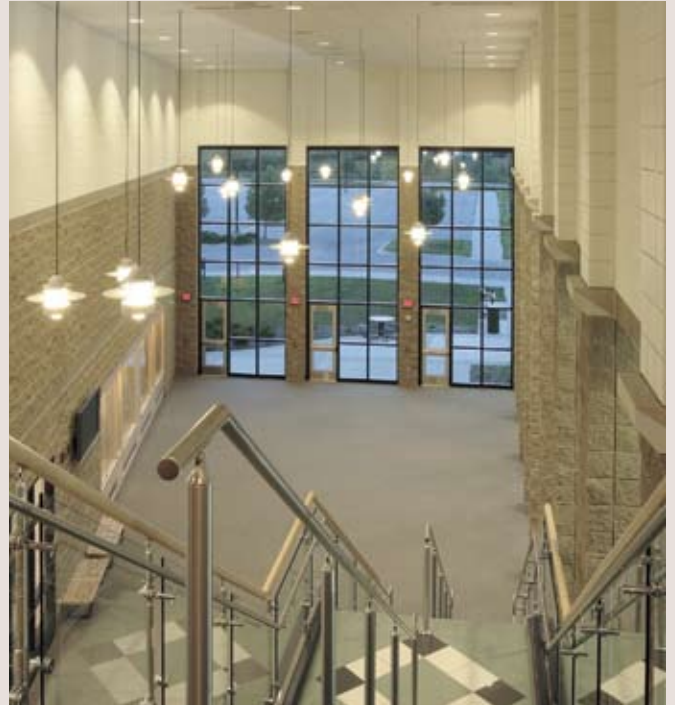
Natural light floods the interior with true full-spectrum light through a clerestory on both sides of the pool. The

light is controlled by sunshades, louvers, and translucent canopies to avoid contact with the water. The entry lobby offers a panoramic view of the natatorium. A classroom is positioned between the pool and lobby allowing for both school and community use. ■

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SUN SHADES AT NATATORIUM



LOBBY



REFRESHMENT CONCOURSE



SPECTATOR ENTRY AND CONCESSIONS