

Hommock's Pool & Natatorium

Primary Service: Architecture & Engineering

Type: Athletic

Owner/Client: Mamaroneck Union Free School District

Location: Mamaroneck, New York

Cost: \$5,700,000

Square Footage: 22,000 sf

Completion Date: June 2006

Contact: George McNally

Superintendent of Buildings & Grounds

Project Manager: James Diana, AIA, LEED® AP

Project Number: 2.2320.94

LAN

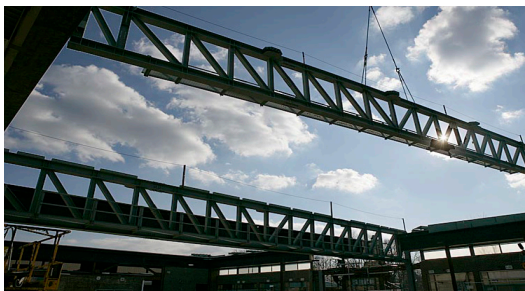
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View of the natatorium & swimming pool renovation during construction.



View of new structural truss girder installation.



View of the completed Hommock's Pool & Natatorium.

Project Scope:

The Mamaroneck Union Free School District commissioned LAN Associates to renovate their existing natatorium facility at the Hommocks Middle School which was constructed in 1973. The design provided for the pool renovation consisting of improving pool safety, plumbing, heating, ventilation and dehumidification systems, roofing, locker rooms, and pool deck. The project was designed to comply with National Collegiate Athletic Association (NCAA) and the Department of Health requirements.

The scope of work included the removal of the existing pneumatic roofing and blower systems, the installation of a 93' x 133' aluminum framed skylight structure with insulated translucent panels which are motorized to be a retractable roof centered over a 75' x 115' pool. This work required structural modifications to the existing roof structure, which included the installation of two (2) new truss girder supports, clear spanning the entire width of the pool. These trusses provide support for the installation of the new translucent glazed skylight assembly. The existing roof openings were infilled with steel bar joists and acoustic metal decking with fixed linear curved skylights and new lighting fixtures throughout. The existing HVAC systems and pneumatic roof blower equipment were removed and replaced with a new packaged, environmental control system. This system included a mechanical heat recovery, supply and return exhaust fans, outdoor exhaust and recirculating air dampers, pool water heater, moisture disposal and complete solid state logic control system. New galvanized and fabric distribution ductwork were also installed. Pool modifications included the installation, repair or replacement of the main drain, stainless steel gutter, and piping system renovations. The pool drains and returns were modified to provide additional capacity to meet minimum State of New York, Department of Health requirements. The existing Locker Rooms were remodeled and re-configured with new fixtures and finishes and lighting throughout. All renovation work throughout the project, complies with the Americans with Disabilities Act (ADA) and provides full handicap accessibility.