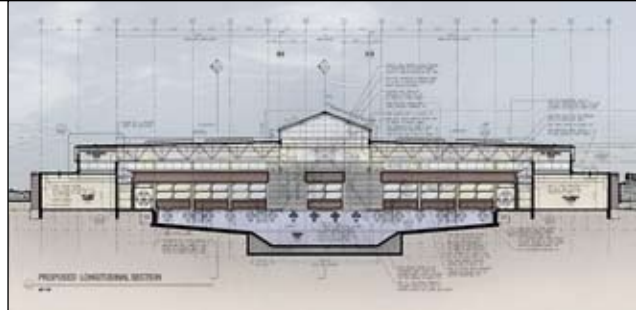


Hommock's Pool & Natatorium

Primary Service: Engineering
Type: Athletic
Owner/Client: Mamaroneck B.O.E.
Location: Mamaroneck, New York
Cost: \$5,700,000
Square Footage: 22,000 sf
Completion Date: June 2006
Contact: George McNally
Superintendent of Buildings & Grounds
914.220.3000



PROJECT #2.2320.94



Pool Natatorium



Structural Bracing - Under Construction

Project Scope:

The Mamaroneck Union Free School District commissioned LAN Associates Engineering, Planning, Architecture, Surveying, Inc to renovate their existing natatorium facilities at the Hommocks Middle School which was constructed in 1973. The design criteria for the renovation project consisted of improving pool safety, Heating, Ventilation and Dehumidification Systems, Roof Systems and Locker Rooms. The project was designed to comply with a Certification Level according to the U.S. Green Building Council's Leadership in Energy & Environmental Design (LEED) Rating System.

The scope of work included the removal of the existing pneumatic roofing and blower systems, to install a 93' by 133' aluminum framed roof structure, with a rigid panelized wall system and motorized retractable roof for a 75' by 115' pool. This work required structural modifications to the existing roof structure, which included the installation of two (2) new truss girder supports, spanning the entire width of the pool. These trusses provide support for the installation of one (1) translucent, glazed skylight assembly. 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 aluminum distribution ductwork were installed. Pool modifications included the installation, repair or replacement of the main drain, gutter, and piping system renovations. The pool 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. All renovations throughout the project, comply with the Americans with Disabilities Act (ADA) legislation and provide full handicap accessibility.

LAN

LAN ASSOCIATES

ENGINEERING ■ PLANNING ■ ARCHITECTURE ■ SURVEYING

Since 1965