



NYCDDC New Kensington Public Library

This new \$45 million, 15,000 s.f. new branch, located in the Kensington/Borough Park section of Brooklyn, contains a main reading room, a children's reading area, a computer lab with public access to the Internet, circulation and staff support spaces, and a multi-purpose community room.

AG provided design of fire protection, fire detection, sprinkler system, stand-pipe system, fire alarm system, electrical lighting, power, telephone, data, security, and complete HVAC system.

The building is organized around the concept of daylight, with its central top-lit atrium, its north-facing high performance curtain wall, south-facing garden wall and sidewall set-back for east exposure. The introduction of generous daylight will significantly reduce the building's use of electrical lighting. This project will also pilot for the City the use of ground source heating and cooling – a first in NYC DDC projects. Through the use of a heat pump, heat will be exchanged between the building and the constant temperature of the earth below the building. Not only does this emerging technology eliminate some initial costs and maintenance costs, it also eliminates noisy cooling equipment from the roof and the on-site emissions associated with such conventional mechanical systems, making this green building a good neighbor in this residential community.

Kensington is a winner of a 2002 NYC Design Commission Award.



A.G. CONSULTING ENGINEERING, PC

Location:

Brooklyn, NY

Owner:

NYC Department of
Design &
Construction

Services Provided:

Mechanical
Electrical
Plumbing
Fire Protection
Security

Awards:

2002 NYC Design
Commission Award

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