Maywood Academy

Maywood, California

WLC Architects, Inc.

Green School Building
New Construction

WLC ARCHITECTS, INC.
10470 Foothill Blvd.
Rancho Cucamonga, CA 91730
www.wlcarchitects.com
Larry Wolff, AIA, LEED,
Principal
909/987-0909

DESIGN TEAM
Kelly Needham, AIA,
Principal-in-Charge
Herta Gaus, LEED AP,
Project Architect
Vivian Teeter, LEED AP,
Project Manager, Design
Loi Thai, Architect, LEED AP,
Construction Administration
Ricardo Godoy, Project Manager,
Construction Administration

OWNER/CLIENT
Los Angeles Unified
School District
Los Angeles, CA
David Brewer III,
Superintendent
323/341-7000

Type of School and
Grades Served:
High School, 9-12
Capacity: 1,500 students
Size of Site: 9.2 acres
Area of Building:
132,000 square feet
Space per Student:
88 square feet
Cost per Student: $30,000
Square Foot Cost: $341
Cost of Construction:
$45 million
Total Project Cost: $94 million
Completion Date: Sept. 2006
Percent of Completion: 100%

EXTERIOR NORTHWEST VIEW

Maywood Academy is a showcase school selected by LAUSD to meet CHPS criteria, allowing a more efficient, comfortable, and healthy environment for the occupants while lowering the operating and maintenance costs for the district. It consists of five buildings, sport fields, and an Olympic size pool. The three-story buildings contain classrooms on the upper floors, allowing more security and privacy; the lower levels serve more public functions. The other two buildings, an auditorium and a gymnasium, are open for community activities after hours.

The design team and SCE utilized computer modeling to optimize energy efficiency and natural lighting. Skylights (Solartube) bring natural light to interior spaces, and occupancy sensors reduce internal heat loads, allowing for smaller HVAC units. Operable windows interconnected with the HVAC system provide the comfort of natural ventilation while ensuring efficient energy usage. The green materials and equipment incorporated in the design meet energy conservation, reduce construction waste, and create healthy indoor environments. Large exterior green spaces reduce heat island effect, and water runoff is minimized with an underground retention system.

This design resulted in improvements in student performance and attendance. Increased staff satisfaction fosters awareness of sustainable design, and creates pride among the users and the community. ■

AUDITORIUM

LIBRARY—READING AREA

PHOTOS: FRED DALY