

Green School Building
New Construction

Hector P. Garcia Middle School

Dallas, Texas

Perkins+Will

PERKINS+WILL

10100 N. Central Expressway,
Suite 300
Dallas, TX 75231
www.perkinswill.com
Patrick Glenn, AIA, LEED AP
214/283-8705

DESIGN TEAM

DMJM Management,
Program Manager
Satterfield & Pontikes,
General Contractor
APM & Associates,
Civil Engineer
Berkenbile + Craig,
Landscape
LA Fuess Partners/
APM & Associates,
Structural Engineer
Basharkhah Engineering
Mechanical, Electrical, Plumbing,
Fire Protection Engineer

OWNER/CLIENT

Dallas Independent
School District, Dallas, TX
Phil Jimerson,
Associate Superintendent
972/925-7200
Type of School and
Grades Served:
Middle School, 6-8

Capacity: 1,200 students

Size of Site: 13.4 acres

Area of Building:
175,000 square feet

Volume of Building:
3 million cubic feet

Space per Student:
145 square feet

Cost per Student: \$19,942

Square Foot Cost: \$136

Cost of Construction:
\$23.9 million

Total Project Cost: \$27.5 million

Contract Date: Feb. 2004

Completion Date: April 2007

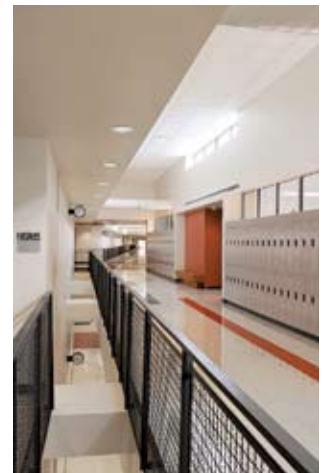
Percent of Completion: 100%



MAIN ENTRY/NORTHEAST VIEW



LIBRARY



CORRIDOR

PHOTOS: JIM STEINKAMP

Hector P. Garcia Middle School, a 175,000-square-foot school serving 1,200 students spanning grades 6 through 8, is organized around three teams per grade level.

Designed to reinforce the academic team structure, the school's planning responds naturally to the site's climate. North facing classrooms offer stunning views of the skyline, take advantage of indirect north light for optimal daylighting, and minimize cooling demand by facing classrooms

away from Texas' harsh sun exposure. Grouping classrooms along one exposure also allows a consistent temperature demand for similar academic spaces.

The building's exposure to the east and west sun are minimized to further assist with cooling demands. The south façade is planned to buffer to the southern sun. Program spaces organized to the south require minimal natural light and are situated with the ability to control the southern exposure. Large

volume instructional spaces are also oriented toward the south, allowing a direct connection to outdoor play areas.

Water-efficient landscaping is planned for the site, and drainage exceeds the city's stormwater protection plan. The site development has transformed a blighted urban area into community green space. Hector P. Garcia Middle School is currently registered with the USGBC and is planned for LEED certification. ■