



Entire School/Campus Building

New Construction

CONCEPT 3 ARCHITECTS, P.C.

101 E. St. Charles Road,
Suite 204
Villa Park, IL 60181
Andrew G. McCall
630/833-6090

DESIGN TEAM

AMSCO Engineering, Inc.,
Mechanical and
Electrical Engineers
Cowhey Gudmunson Leder,
Civil Engineer
20/10 Engineering,
Structural Engineer

OWNER/CLIENT

Yorkville Community
Unit District 115
Yorkville, IL
Dr. Thomas Engler,
Superintendent
Brian DeBolt,
Director Buildings & Grounds
630/553-4382

Type of School
and Grades Served:
Middle School, 7-8

Capacity: 1,200 students

Size of Site: 32 acres

Area of Building:
213,464 square feet

Volume of Building:
3.6 million cubic feet

Space per Student:
178 square feet

Cost per Student: \$23,750

Square Foot Cost: \$134

Cost of Construction:
\$28.5 million

Total Project Cost: \$30.3 million

Contract Date: Oct. 2006

Completion Date: Sept. 2008

Percent of Completion: 100%

Yorkville Middle School

Yorkville, Illinois

CONCEPT 3 Architects, P.C.



MAIN FACADE



LOBBY

The new middle school was built to accommodate a booming population growth. Located on a sloping site next to a park, the school was carved into the hillside, creating a “walk-out” lower level, while the remainder of the site was carefully contoured to incorporate the associated playing fields, football field, and running track.

The school was configured with each grade occupying a separate floor, creating two identical academic wings

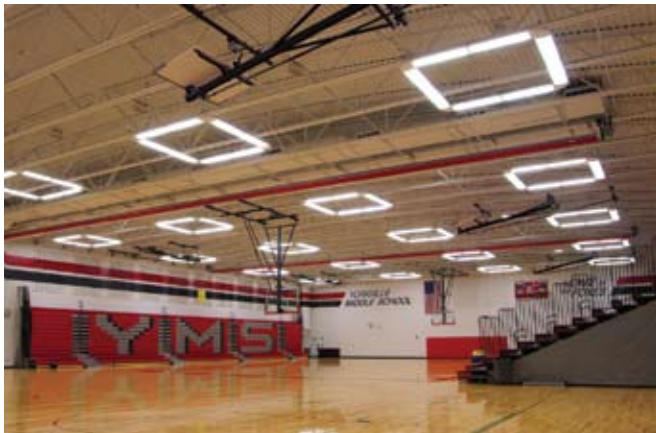
stacked on top of each other. The wings are subdivided into four houses addressing different educational programs, such as mathematics, literature, language arts, science, and social studies. Team-planning rooms and small-group instructional spaces are located in each wing. The academic wings extend outward from the shared community areas, which include student services offices, computer labs, applied technology and living skills areas, and open commons where students from the houses

may gather for large-group instruction or socializing.

The academic wings join the single-story portion of the building, which houses core facilities, including art and music areas, a fitness center, wrestling space, and the cafeteria. A sweeping exposed steel pergola with a grand arched canopy welcomes one to the building; access is controlled by directing visitors into the main office complex. The library, with an associated computer lab, is located facing north to take



LIBRARY EXTERIOR



GYMNASIUM



LIBRARY INTERIOR

PHOTOS: STULTZ PHOTOGRAPHY



AUDITORIUM

advantage of daylighting. The design provides for controlled access to the 600-seat auditorium and gymnasium for before and after school activities as well as community use.

Technology is integrated throughout the facility, with all classrooms outfitted with eight student computer stations, LCD projectors, and a teacher's computer. The school has a fully networked voice, video, and data system, including provisions for wireless networking.

The school is constructed with a combination of masonry load-bearing walls, steel beams, and columns. Floor structure consists of steel joists, metal deck, and cast-in-place concrete

slabs. The roof is constructed of steel joists, metal deck, and an insulated built-up roofing system. Designed into the building envelope are large areas of glass to bring in natural light.

The classroom unit ventilators are served by a two-pipe water system using seven synchronized boilers or by the rooftop chiller, which provides either heating or cooling. The remainder of the building uses variable air-volume boxes and self-contained rooftop units to provide ventilation to the core facility areas. The entire mechanical system is controlled by an energy-management system. ■