



Entire School/Campus  
Building  
New Construction

**DLA ARCHITECTS, LTD.**

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Wendy Covich  
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**DESIGN TEAM**

Pease/Borst Associates,  
Structural Consultant  
W-T Engineering,  
Civil Consultant

Berg Engineering Consultants,  
Ltd., Mechanical, Electrical,  
Plumbing, and Fire Protection

Kirkegaard & Associates,  
Acoustical Consultant

Alpha Design, Inc.,  
Kitchen Consultant

Williamson Associates,  
Swimming Pool Consultant

**OWNER/CLIENT**

Lincoln-Way Community High  
School District 210  
New Lenox, IL

Dr. Lawrence A. Wyllie,  
Superintendent  
815/462-2100

Type of School and  
Grades Served:  
High School, 9-12

Capacity: 2,500 students

Size of Site: 90 acres

Area of Building:

414,000 square feet

Volume of Building:

6.7 million cubic feet

Space per Student:

166 square feet

Cost per Student: \$27,480

Square Foot Cost: \$166

Cost of Construction:  
\$68.7 million

Total Project Cost: \$86 million

Contract Date: July 2006

Completion Date: Sept. 2008

Percent of Completion: 100%

**HIGH SCHOOLS**

# Lincoln-Way North High School

## Frankfort, Illinois

DLA Architects, Ltd.



AUDITORIUM

Because the new facility is more than 400,000 square feet in size, dividing the building into two separate academic communities helped acclimate students to a large new high school environment. The floor plan is organized into two academic wings, one housing freshmen and sophomores and the other housing juniors and seniors. Each wing rotates core classes within its own community.

A unique program requirement of the Performing Arts Center is that it was designed not only to fit with the diverse uses of the high school itself, but also as home for a professional orchestra.

The site plan lent itself to locating the football stadium along a main traffic



GYMNASIUM AND MAIN ENTRANCE

artery directly in front of the school. To illustrate that education—not athletics—is at the forefront for this community, an earth berm was created to conceal the stadium as well as create a safety and noise buffer from the adjacent street. This dynamic gives the stadium a collegiate feel, and the synthetic

FieldTurf product allows the district to maximize student and community use of the field.

The bus drop-off was designed to bring students to the back of the building and reserve the front of the school for parent drop-off and visitors. This arrangement eliminates much of the



COMPETITION COURT



LIBRARY/MEDIA CENTER



NATATORIUM

PHOTOS: ALEXANDAR ROMANOSKY, IDA ARCHITECTS

chaos that occurs just before and after school hours. In addition, separate drop-off areas are provided for the community day-care space.

The school is the first complete high school built in Illinois under the Illinois Energy Code. In addition to the energy-saving measures required by code, the high school has a nat-

ural-gas-fired co-generation engine that produces electricity during the day to avoid the high cost of electricity. It also can function as an emergency back-up generator when power from the local utility is not available. The generation system also has heat exchangers that recover heat produced by the system

for heating the building and providing hot water.

The materials selected throughout the school are attractive, high quality, and low maintenance. In the auditorium, a mix of materials provides an optimal performance space for the professional orchestra: shaped brick and stone walls,

fabric-covered wall panels, and split-faced concrete masonry units that function as sound diffusers, combined with strategically placed acoustical clouds. These elements project the sound of the orchestra into the audience while also serving as useful reflectors that enable ensemble communication. ■