



**Green School Building**  
New Construction

**BUEHRER GROUP  
ARCHITECTURE  
& ENGINEERING, INC.**

314 Conant Street  
Maumee, OH 43537  
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Kent Buehrer  
419/893-9021

**DESIGN TEAM**

Kent Buehrer, AIA, PE, LEED AP  
Project Manager

Huber Buehrer, FAIA, PE  
Project Architect

Sherrri Sherock, IIDA  
Interior Designer

Sam Muhsen, PE, LEED AP  
Structural Engineer

Corey Zachel, PE, LEED AP  
Electrical Engineer

Chris Gaffney, PE, LEED AP  
Mechanical Engineer

**OWNER/CLIENT**

Lutheran Homes Society  
Oregon, OH

Harry Blackmon,  
Executive Director  
419/693-1520

Type of School  
and Grades Served:  
Middle & High School, 5-12  
Capacity: 30 students

Size of Site: 4.5 acres

Area of Building:  
11,696 square feet

Volume of Building:  
226,787 cubic feet

Space per Student:  
390 square feet

Cost per Student: \$61,042

Square Foot Cost: \$157

Cost of Construction:  
\$1.8 million

Total Project Cost: \$1.9 million

Contract Date: Sept. 2006

Completion Date: Sept. 2008

Percent of Completion: 100%

**GREEN | SPECIALIZED EDUCATIONAL FACILITY**

# Lutheran Homes Society

*Oregon, Ohio*

**Buehrer Group Architecture & Engineering, Inc.**



CHILDREN'S GREEN SCHOOL



REUSED BARN MATERIALS

A unique project unto itself, the Lutheran Home Society is an alternative learning environment for children with special needs. More than 100 years ago, youths with troubled pasts were taught the values of rural America, working the fields and tending the livestock in a farm-like atmosphere. The barn became the focal point of this educational process.

As this new facility was conceived, an owner with



NATURALLY LIT CLASSROOM

strong convictions and social consciousness directed the architect to design a school that would be environmentally responsible, minimize operating costs, and save the cost of building materials by incorporating the existing barn into the design. Dramatically, the barn was lifted up and moved to a new location.

This project has been submitted to the U.S. Green Building Council for LEED Silver certification. Features include low-flow fixtures

to reduce water usage by 40 percent; solar-tube skylights, clerestory windows, and motion and light sensors to reduce lighting-energy loads; and R-values that are double the normal for roofs and walls. Designing to minimize carbon emissions and save natural resources, specifying materials harvested and manufactured within 500 miles of the school, and using materials with high recycled content make this an exemplary school of note. ■

PHOTOS: EDWARD GLOWACKI