

# Cedarwood Alternative Elementary School

Columbus, Ohio

## PROJECT FACTS

Owner: Columbus City Schools  
Architect: SHP Leading Design  
Location: Columbus, Ohio  
Construction Type: General Trades

Building Area: 63,000 SF  
Project Value: \$14.1 Million  
Cost/SF: \$224  
Completion: August 2013



## KEY FEATURES

**T**his project included design features that are sustainable or “green.” Hallmarks of a “green” building include increased energy efficiency, the expanded use of natural light, locally produced and/or recycled materials, increased air quality standards, improved storm water management systems and opportunities for innovative interior and exterior teaching and learning spaces.

The sustainable site design began with the proper orientation of the building on the site. This allowed the classroom windows that face north or south to get the best quality of natural light throughout the day. The site also utilized bioretention features that control rain water on site and allow it to percolate through the soil, which helps maintain the site landscaping and minimizes run-off into storm water systems. This required the installation of several bio-retention basins to allow for rain harvesting. Another green feature of the building is heating and cooling by a geothermal system. The project will be going for LEED certification and hope to achieve Silver Certified.

The challenges faced were an extremely complicated structural steel package and masonry work. This work had to be coordinated with all trades as there was many areas where the mason would erect an area, steel would be set and then the mason would re-scaffold to continue the masonry on top of the steel. Scheduling of the steel was critical to ensure we got the building enclosed before the winter hit.

The school’s gymnasium includes a climbing wall and other apparatus that supports the school’s unique adventure program as well as latest technology available for all classrooms.



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