



The Green Engineer, LLP

Sustainable Design Consulting

David H. Koch Center Deerfield Academy Deerfield, Massachusetts

This new complex for science, math, and technology incorporates some of the latest strategies available in sustainable design. The \$35 million Koch Center includes classrooms for math and science, wet lab areas, a central atrium, an auditorium, a Planetarium, and a unique central atrium *analemma*.

The project used 90% recycled scrap steel (pictured above) for structural support and local bricks to lower the cost of material transportation. Other sustainable strategies employed include a green roof, polished concrete flooring and high performance windows. The project is pursuing a Gold LEED rating.

Christopher Schaffner, PE, Principal, The Green Engineer, LLP, worked on this project before founding his firm, and was responsible for:

- MEP design using displacement ventilation, high efficiency units, and heat/energy recovery systems;
- Complete LEED certification project management;
- Energy modeling on building geometry and systems throughout the design process.

Client: Deerfield Academy
Architect: Skidmore, Owings & Merrill



Skidmore, Owings, & Merrill