

Construction Specialties Sun Controls & Lightshelves

Project: Sidwell Friends School
Washington, DC

Architect: KiernanTimberlake Associates LLP
Philadelphia, PA

Products: C/S 100-3 Sun Controls & Custom Light Shelves

The Sidwell Friends School may be the nation's most environmentally friendly school. Committed to environmental stewardship, Sidwell directed architect KiernanTimberlake to design a sustainable middle school which ultimately achieved LEED Platinum Certification in 2007. The design uses daylight as the foundation of its strategy to minimize energy use. Working with the C/S design team, the architect specified 4-1/2' deep cantilevered



sunshades with 6" airfoil blades for the school's southern exposure. The sunshades reduce heat and glare while allowing light to enter the interior. C/S reflective lightshelves attached to the exterior shades direct natural daylight deep into the classrooms and hallways. Computer models indicate that C/S sunshades and lightshelves, in conjunction with other daylight strategies, help this facility reduce the energy associated with lighting by 92% when compared to a typical code compliant building.

At a Glance

- C/S Cantilevered Sunshades and Lightshelves work in tandem.
- Natural light is directed deep into classrooms and hallways
- Solar heat gain and glare are reduced
- Daylight system reduces costs and makes environment more comfortable



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