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MCGOWAN



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System: Solar
Attachment Method: Frame
Metal Fabric Pattern: Plait

Project: McGowan Academic Center at Capital College
Location: Laurel, MD
Architect: Geier Brown Renfrow Architects-Alexandria, VA
Facility Owner: Capital College
Facility End Use: College Academic Center
Completion Date: April 2005
Renovation or New Construction: New Construction

Project Details: After 18 months of construction, the new \$7.1 million William G. McGowan Academic Center at Capital College opened to the public with a dedication ceremony on April 29, 2005.

A Cambridge Architectural Solar mesh system was specified to shade sun and reduce light pollution for the interior lobby area. The metal fabric was installed on the exterior of the facility and also reduces the building's heat load, cooling requirements and energy consumption.

Approximately 1,600 square feet of Cambridge's custom Plait metal fabric with Frame attachment hardware creates the Solar mesh system, which features 64% open area.

A central feature of the 22,000 square-foot facility is the Space Operations Institute, built in

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Mesh Photo



Metal Fabric by Cambridge Architectural

Attachment Photo



Metal Fabric Attachment Hardware by Cambridge

Photo #1



Woven Metal Fabric Building Tension System

Main Photo



Tensile Structure Made of Metal Fabric



partnership with NASA to prepare students for careers in the space industry. The Academic Center also includes multimedia classrooms, technical laboratories, a conference center and offices for faculty and administrators.

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