



Benning Library Washington, D.C.

clever. creative. comfort.

Client - DC Public Library System
Representative Office - H&B Products Inc
Architect - Davis Brody Bond Aedas
LEED Certification - LEED Silver Certified



ABOUT THE PROJECT

The new Benning Library opened its doors on April 5, 2010. This two-story facility is 22,000 square feet of inviting spaces for all to enjoy. Designed by the architectural firm of Davis Brody Bond Aedas, the new library offers 40,000 books, dvds, cds, and other material for all age groups. This LEED Silver Certified building has many state-of-the-art features throughout. Visitors have access to free Wi-Fi internet, laptop computers and Mac computers. There are also separate designated reading areas for adults, teens and children.

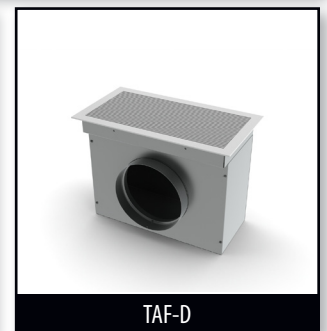
Sustainable solutions can be seen on the inside and exterior of the building. The building features a vegetative "green" roof, energy efficient lighting, a bike rack, and parking spaces for hybrid vehicles. Other green features include low-flow automatic faucets and toilets, using recycled materials in floorings and countertops and the ability to take advantage of the abundance of natural light.



TAF-R



CT



TAF-D

Benning Library

Washington, D.C.



THE TITUS SOLUTION

The HVAC system used in the new library was selected to help achieve LEED certification. The Titus UnderFloor Air Distribution (UFAD) system was selected to be the primary source of airflow for the new library because this innovative system affords architects and building owners options long after the building is finished. The TAF-R diffuser is a round underfloor product that is architecturally pleasing and designed for use in high induction raised floor applications. It is constructed of a high impact, polymeric material that's durable enough to resist foot traffic. The diffuser now has the fastest installation in the industry with the new innovative spring clip design and it can be easily relocated to another location simply by relocating the floor panel it is installed in. The TAF-R diffuser is also a GreenSpec Listed product.

The TAF-D ducted plenum is constructed of a heavy gauge steel and is designed for application in underfloor air distribution systems. It is used as a ducted supply or return unit. The CT-TAF linear bar grille integrates with the TAF-D unit from above and sits on the carpet. It provides the necessary airflow by deflecting the air as it passes through the underfloor plenum. These models can help contribute toward achieving LEED EA Credit 1: Optimize Energy



Benning Library

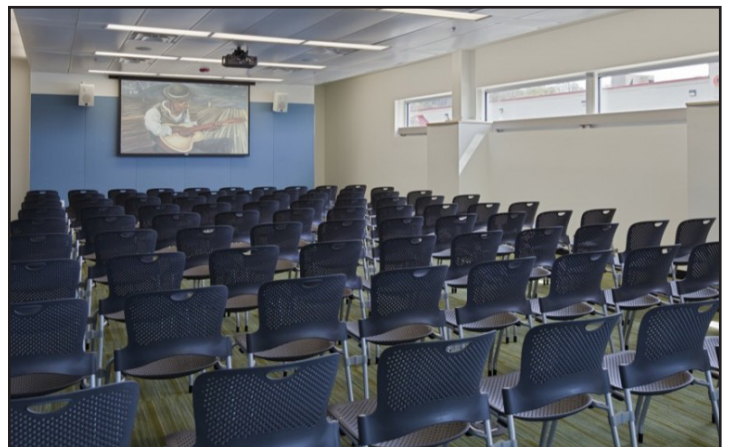
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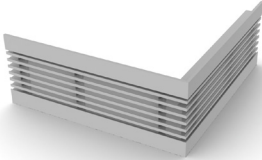
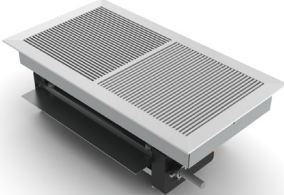
Performance; IEQ Credit 6.2: Controllability of Systems; Thermal Comfort, IEQ Credit 7.1: Thermal Comfort - Design, and if the building utilizes an existing structure, MR Credit 1.1: Building Reuse.

THE END RESULT

The Benning Library incorporated many elements in its design. Green Building concepts and the community itself played important roles in the design. By listening to the needs of the surrounding community and building a library that uses sustainable design criteria, the architects created an innovative and welcoming facility for all to enjoy for many generations.



Titus Products List

		
<p>TAF-R</p>	<p>CT</p>	<p>TAF-D</p>
<p>The TAF-R is designed for application in underfloor air distribution systems. All components are constructed of a high-impact polymer material that is designed to resist damage from traffic.</p>	<p>Titus CT linear bar diffusers are designed for both heating and cooling applications, supply as well as return.</p>	<p>The TAF-D ducted plenum is constructed of a heavy gauge steel and is designed for application in underfloor air distribution systems. It is used as a ducted supply or return unit.</p>

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