

Anacostia Library

Washington, D.C.

CASE STUDY | libraries



Client - DC Public Library System
Rep Office - H&B Products, Inc
Architect - The Freelon Group
Construction - Forrester Construction
LEED Certification - LEED Silver Certified

Project Highlights:

- » 22,000 square feet of space
- » Sustainable design elements incorporated into the design
- » 2010 AIA North Carolina Committee on the Environment Award
- » 2011 AIA Triangle Honor Award
- » 2013 AIA/ALA Library Building Award
- » Opened in 2010



ABOUT THE PROJECT

The DC Public Library System continues to enrich its neighborhoods with impressive libraries. The Anacostia Library opened its doors on April 26, 2010. This two-story building is 22,000 square feet of inviting spaces for adults, teens and children to enjoy for many years to come. Designed by The Freelon Group, the new library offers many amenities to choose from. There are 40,000 books, dvds, cds, and other material for all age groups. This LEED Silver Certified building also has comfortable seating for 200 customers, quiet study areas and two conference rooms. 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.

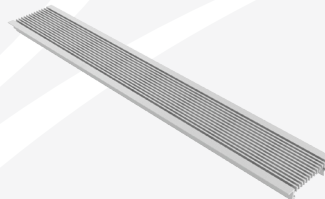
Sustainable solutions can be seen on the inside and exterior of the building. The building was built on a previously developed site and is located near several bus routes and a subway station. Other green features include daylight harvesting, high building insulation, occupancy sensors, and solar panels.

THE TITUS SOLUTION

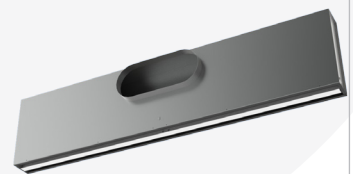
The highly efficient HVAC system used in the new library was selected to help achieve LEED certification. The Titus UnderFloor Air Distribution (UFAD) system was selected to be the primary source of airflow for the new library



TAF-R



CT



TBDI-30



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 that can help contribute toward achieving LEED credits. Another benefit of the TAF-R is the ease in which it can be adjusted. The top of the unit can be turned clockwise or counterclockwise to reduce or add airflow into the occupied space.

The TBDI-30 is an insulated high performance plenum slot diffuser that utilizes the Titus Modulinear pattern controller. This feature allows for 180 degree adjustment of the discharge direction as well as volume control from the face of the diffuser. The CT linear bar grille. Titus CT linear bar diffusers are designed for both heating and cooling applications, supply as well as return. It is available in eight different core styles plus a wide selection of frames and borders. These diffusers can be used for ceiling, side wall, or sill installations. Accessories such as directional blades, dampers, blank-offs, access doors and mitered corners make these diffusers even more versatile.

An added bonus of the CT and TAF-R diffusers is they both are available in wood grain finish options which can add to the architectural beauty of any interior.

THE END RESULT

The Anacostia Library incorporated many elements in its design. Green Building concepts and the surrounding community itself played integral roles in the design of the new library. By being open to meeting the needs of the surrounding community, The Freelon Group created a library that teaches everyone about the environment while creating an innovative and welcoming facility for all to enjoy for many generations to come.





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