



Pentagon Athletic Center

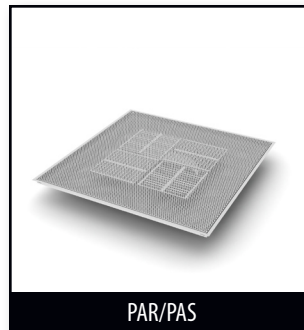
GREEN CASE STUDY

CLIENT: Department of Defense	REPRESENTATIVE OFFICE: H&B Products, Inc	ARCHITECT/DESIGNER: HTNB Federal Services	LOCATION: Arlington, Virginia
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ABOUT THE PROJECT

The new Pentagon Athletic Center (PAC) replaces the previous 55 year old facility with a more modern one that is able to meet the physical fitness needs and readiness of today's military personnel and civilian membership as well as the projected growth for the coming years. The 130,000 square foot facility is located at the basement level underneath and adjacent to the Pentagon's Mall Terrace. This LEED Certified facility was designed by HNTB Federal Services to achieve sustainable goals and create a space that is functional, durable, flexible, and safe.

Some of the sustainable elements of the facility are that the PAC utilized 94% of construction waste that was diverted away from landfills. The Pentagon Athletic Center also used low emission sealants, paints, carpets and was able to reduce potable water use by 25%. The athletic center has an energy efficient filtration and mechanical system and utilizes special light wells to add extra sunlight.





THE TITUS SOLUTION

Titus was able to supply a wide array of products for the new Pentagon Athletic Center. An assortment of grilles and diffusers can be seen throughout the new facility in various locations. Titus PAR/PAS diffusers are perforated ceiling diffusers that blend into the ceiling plane. The round pattern maximizes capacity while the star pattern maximizes throw. The TMRA is an adjustable round ceiling diffuser designed for heating and cooling applications. This Green Solution has four cones, providing uniformity of appearance where different sizes are used in the same area. The TMRA diffuser delivers a uniform 360° air discharge pattern and exhibits excellent performance in variable air volume systems.

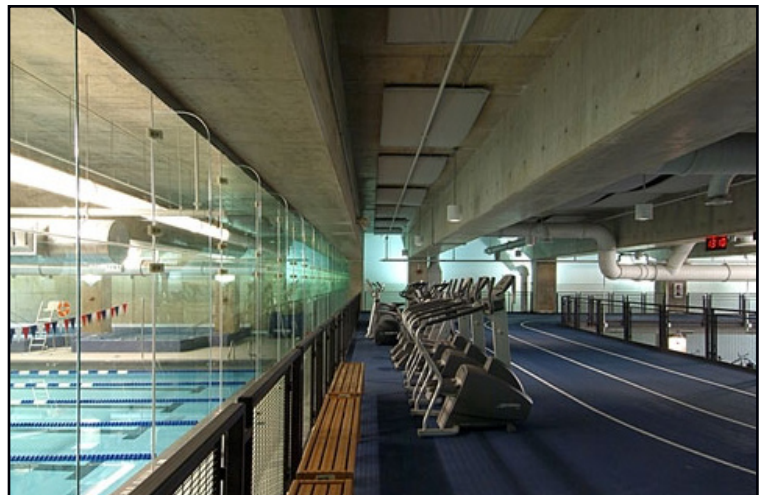
The TBDI-30 is an adjustable plenum slot diffuser that provides flexibility, great performance and ease of installation. Its adjustability and streamlined appearance make it one of the industry standards for plenum slot diffusers. The TBDI-30 incorporates the unique Titus Modulinear pattern controller used in the ML series diffusers. It is designed for standard lay-in T-bar ceiling systems. The Titus 300/350R grilles form the back bone of a standard offering that will meet any application requirement.



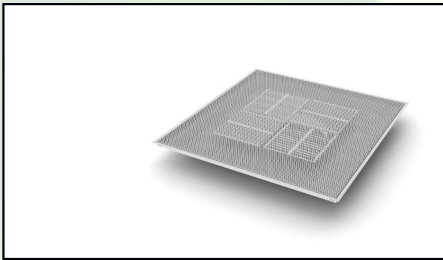


THE END RESULT

The Pentagon Athletic Center is part of a major renovation effort to revamp the Pentagon into a more sustainable and green building. Many of the additions to the Pentagon have achieved LEED Certified or LEED Silver Certification recognition. Presently, the enormous renovation effort is 80% complete with more projects slated to be completed within the next few years. The PAC's renovation enables our military and civilian personnel to have access to a state-of-the-art facility capable of not only strengthening their body, but their mind as well.



Titus Products List



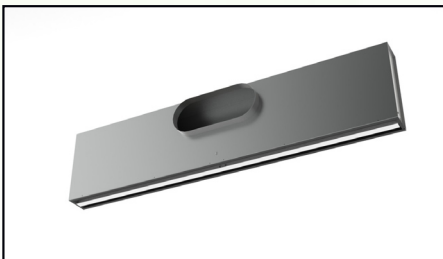
PAR/PAS

Titus perforated diffusers PAR/PAS can be selected for a round pattern to maximize capacity or star pattern to maximize throw.



TMRA

The TMRA delivers a uniform 360° discharge pattern and exhibits excellent performance in variable air volume systems.



TBDI-30

Titus TBDI-30 series plenum slot diffusers provide flexibility, great performance and ease of installation.



300/350R

300/350R grilles are the standard for the industry and work well in many applications.