

Patrick Heath Public Library
Boerne, TX

CASE STUDY | libraries



Client - City of Boerne Texas
Rep Office - Texas Air Products
Architect - OCO Architects
MEP Engineer - DBR Engineering
Mechanical Contractor - Ventilation Systems
General Contractor - Whiting Turner
LEED Certification - LEED Gold Certified

Project Highlights:

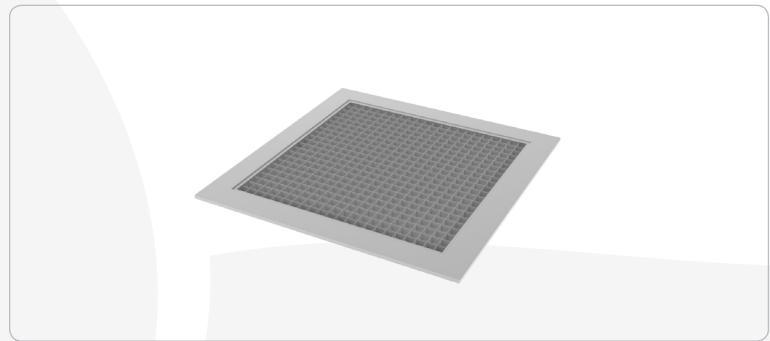
- » 30,000 square feet
- » Sustainable design elements incorporated into the design
- » Opened in 2011



ABOUT THE PROJECT

The new state-of-the-art Patrick Heath Public Library is a welcomed addition to the community and surrounding areas near Boerne, Texas since it opened on June 4, 2011. Designed by OCO Architects, this LEED Gold Certified library is a 30,000 square-foot facility and offers new amenities and programs that its predecessor couldn't. Guests will now have access to cultural programs and other resources. The lower level, designed primarily for children features a youth activity area to promote learning and reading and meeting space for upto 100 people. The upper level of the library has books for young adults, adults, meeting space, and several study areas. Also featured throughout the library are new computers for patrons to use.

The design team, with input from the community, created a facility that also utilized many Green Building concepts. The many windows seen throughout the building allows the Patrick Heath Public Library to not only take advantage of the abundance of natural light and conserve energy, but to also highlight the beautiful scenery of the Hill Country and the surrounding area that the library was built on. Other sustainable elements used in the library are using rainwater harvesting and reuse of HVAC condensation, installing low-flow water closets and installing bicycle racks to encourage alternate forms of transportation. The HVAC system was also designed with energy-saving concepts in mind.



50F



S300F



TMS-AA



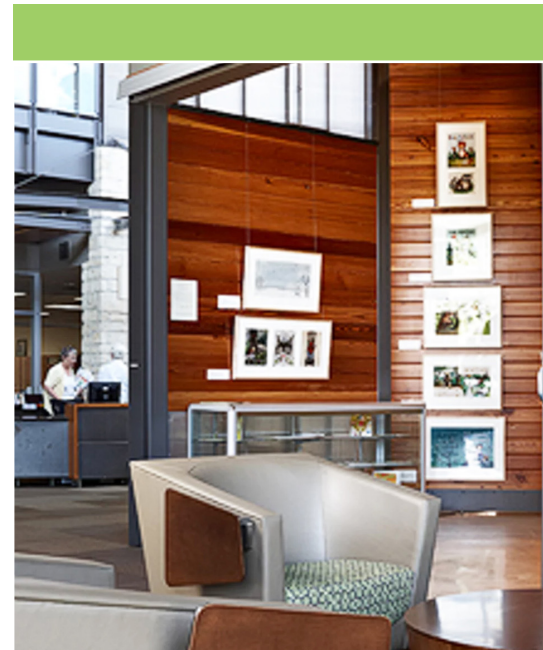
THE TITUS SOLUTION

Providing open-ceiling solutions is nothing new to Titus. We have numerous solutions to choose from, especially products that mount directly to the duct. The S300F is a Spiral Grille that mounts directly to the duct, eliminating the need for duct taps. It is available in two border styles: S series for radius end cap to match duct diameter, and US (Universal) series which can be used on any duct diameter. Each grille has a gasket to provide a tight seal to the duct. Other Titus products featured in the library are the 50F Eggcrate grille and the TMS-AA diffuser.

The 50F is an Eggcrate grille that is offered in $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ -inch, $\frac{1}{2} \times \frac{1}{2} \times 1$ -inch, or $1 \times 1 \times 1$ -inch core sizes. Titus eggcrate grilles have the highest free area of any return grille and the 50F is available with aluminum border and aluminum grid. The TMS-AA is a square ceiling diffuser that delivers supply air in a true 360° pattern with low pressure drop. The uniform, nearly horizontal jet from the outer cone maintains effective room air distribution even when the air volume varies over a considerable range. All sizes have three cones, giving a uniform appearance where different neck sizes are used in the same area.

THE END RESULT

Since it opened earlier this year, the Patrick Heath Public Library has definitely made a positive impact on the citizens of the Hill Country area in which it was built. The architects used the surrounding landscape to perfectly place the library to enhance the new amenities while building a relaxing environment to enjoy scenic views. This facility will positively impact lives for many generations to come.





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