

Denver Animal Shelter
Denver, Colorado

CASE STUDY | government buildings



Client - City of Denver

Rep Office - Air Purification Company

Architect - Animal Arts

Construction - Golden Triangle Construction

LEED Certification - LEED Platinum Certified

Project Highlights:

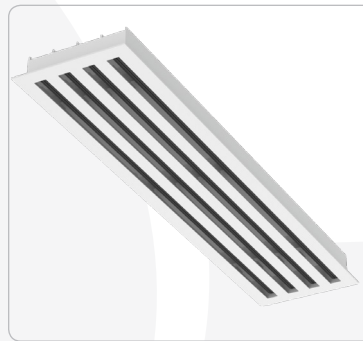
- » 36,000 square feet
- » Sustainable design elements incorporated into the design
- » Only animal shelter in the United States designed to meet LEED certification
- » Radiant flooring in kennels to reduce spread of diseases
- » Opened June 2011



ABOUT THE PROJECT

Providing high quality animal care is becoming more and more important in our society today. Animal shelters that were once housed in older buildings are being cast aside and new and impressive structures are being built in their place. Denver is the latest city to follow suit. Opening in June 2011, the new Denver Animal Shelter is a 36,000 square-foot facility that is twice the size of the previous one. With more space to meet the needs of a growing community, the new shelter now offers the city the latest technology in humane animal care.

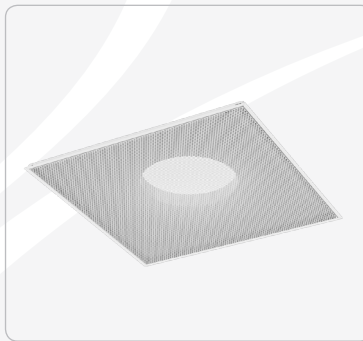
The Denver Animal Shelter is the first and only animal shelter in the US designed with Green Building concepts. The architects at Animals Arts created a facility that achieved LEED Platinum Certification. The sustainable elements and energy saving features definitely places the new shelter head and shoulders above the competition. The kennels have radiant-floor heating installed which is not only energy-efficient, but aids in reducing the spread of disease throughout the shelter. The roof of the building incorporates a photovoltaic-ready design, making the addition of solar panels at a later date a simple installation. Other sustainable elements include the use of daylight sensors to automatically control the lights and energy usage, the reuse and preservation of the site in which it was constructed and utilizing recycled content to build the shelter. The HVAC system and products used also have a major role in the building earning LEED recognition.



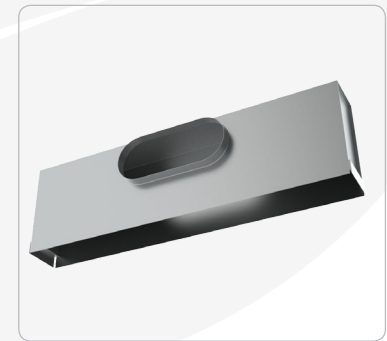
ML



TDCA-AA



PAR-AA



MP



THE TITUS SOLUTION

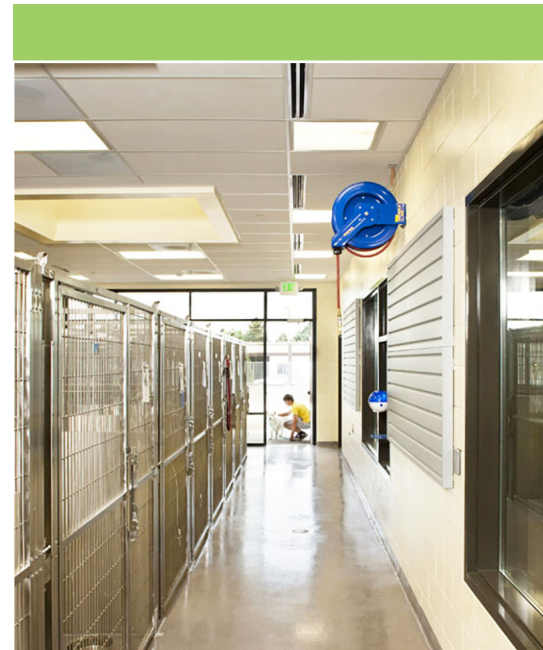
Green Building design and providing HVAC energy solutions is nothing new to Titus. We have been the industry leader for many years. We provided many air distribution outlets for the shelter including: the ML diffuser and MP plenum, the PAR-AA perforated diffuser, and the TDCA-AA diffuser.

The ML Modulinear diffuser is a high performance, high quality linear slot supply diffuser. The “ice tong” deflector blades allow for both changes in air volume and direction from the face of the diffuser. The MP is an optional plenum for use with the ML modulinear series. When the MP is combined with the ML diffuser, the MP provides a tight horizontal air pattern that clings to the ceiling even at low volumes.

The PAR-AA is an aluminum perforated ceiling diffuser. Perforated ceiling diffusers are typically selected to meet architectural demands for air outlets that blend into the ceiling plane. Their features include a perforated face with 51% free area, round or square inlets, and multiple mounting options. Titus perforated diffusers can be selected with round or cross flow discharge patterns to maximize capacity or throw. The Titus TDCA-AA diffuser handles an unusually large amount of air for a given pressure drop and noise level. Its pleasing appearance harmonizes with various architectural details, especially in modular ceiling systems.

THE END RESULT

The city of Denver is generating a lot excitement with construction of new buildings that are not only filling a need, but are built with sustaining the environment as well. The new animal shelter is just another in a long line of impressive structures that can be seen throughout the city.





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