Dee & Charles Wyly Theatre

GREEN CASE STUDY

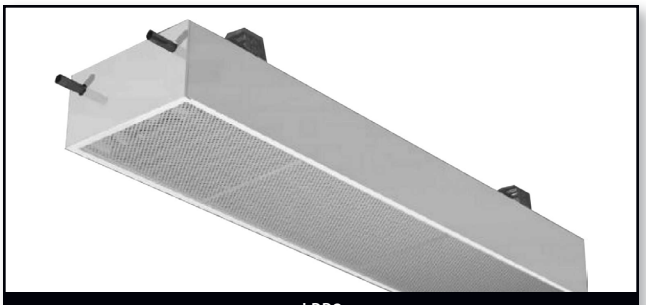
CLIENT:	REPRESENTATIVE OFFICE:	ARCHITECT/DESIGNER:	LOCATION:
AT&T Performing Arts Center	ADW Corporation	REX/OMA	Dallas, Texas

ABOUT THE PROJECT

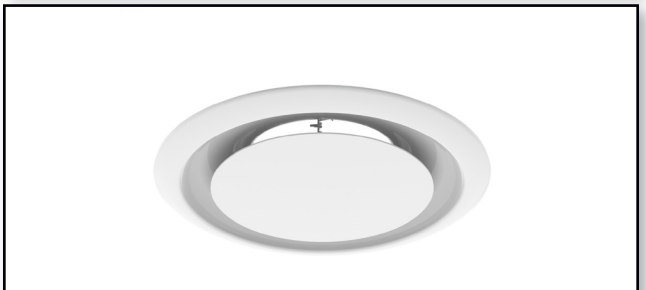
The Dallas Center for the Performing Arts has a new and breathtakingly innovative venue to hold performances. The Dee and Charles Wyly Theatre is the latest addition to the downtown skyline in Dallas, Texas. It is an 80,300 square foot facility that is destined to attract many new and exciting events and shows to come to town.

The 12-story building designed by Rem Koolhaas of OMA breaks out of the traditional theatre layout by featuring an advanced vertically stacked design. At its base, the auditorium space is a three-sided glass enclosure, allowing the remainder of the building to rise as if floating over the performance space. With this unique feature, the building can include the city skyline as a backdrop for a performance by raising its walls.

The 575-seat multi-form theatre has the ability to transform itself into a variety of configurations in less than a day that



LPB2



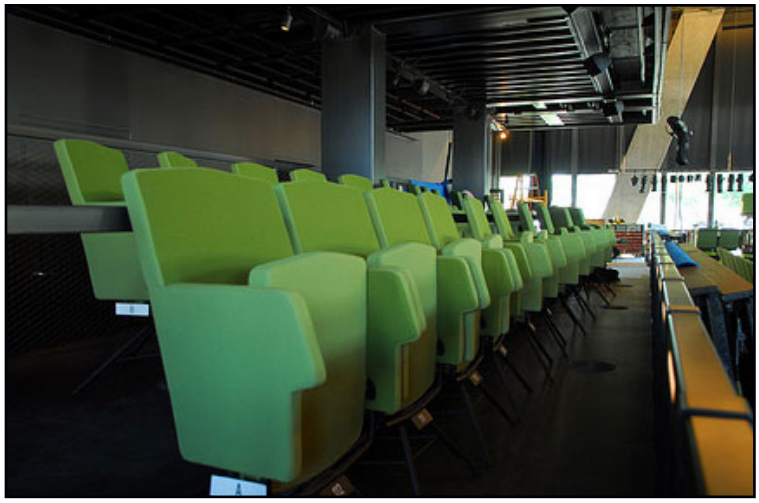
R-OMNI

includes the following: a proscenium, thrust, traverse, arena, flat floor, and black box. This design flexibility will allow the venue to host a wide array of classical and experimental dramas as well as musical productions, world renowned vocalists, and dance troupes.

THE TITUS SOLUTION

When considering the comfort level of the many patrons that would frequent the theatre for various events, the Wyly Theatre wanted to employ several Green Building concepts which includes the HVAC system. Titus offered several green solutions to choose from. Titus' Chilled Beam technology was selected because it provides maximum comfort and superior performance over the competition.

The LPB2, a Passive Chilled Beam Diffuser was utilized to provide the air distribution for this facility. This diffuser doesn't require a supply air connection, but cools by utilizing a water coil and natural convection. The LPB2 has a linear design with integrated circulation air openings in the lower section of its enclosed cabinet. There is also minimal maintenance associated with this unit because the diffuser does not contain any fan, filter, drainage piping, or movable parts.

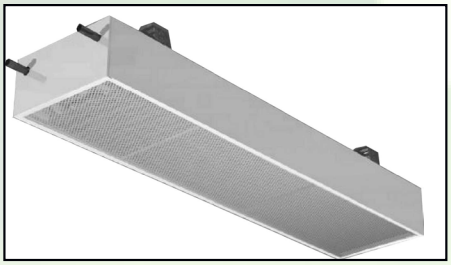


The Dee & Charles Wyly Theatre also utilizes another Titus product; the R-OMNI ceiling diffuser. The R-OMNI is a round plaque diffuser that blends well into any architectural design. The smooth face is adjustable in three positions for either horizontal or vertical airflow. It is installed in numerous offices throughout this state-of-the-art theatre. The R-OMNI provides a uniform 360 degree air discharge pattern and works well in heating and cooling applications. It also performs well in variable air volume systems.

THE END RESULT

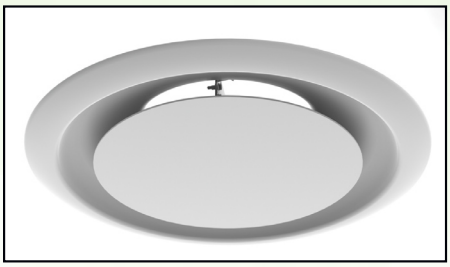
Clad in a unique and innovative tubular aluminum, the Dee & Charles Wyly Theatre adds to an already impressive rebirth for the AT&T Performing Arts Center and the Dallas Arts District. Patrons will now experience theatre, dance, lectures, etc... in a whole new way. The design of the facility allows the guests to become more engaged by bringing them closer to the performances, thus creating a more visual and dramatic experience. The Dee and Charles Wyly Theatre is among four new venues that comprise the revitalized center and positions Dallas to be at the forefront of art and enterainment for many years to come.

Titus Products List



LPB2

The LPB is a Passive Mount Diffuser designed for ceiling applications.



R-OMNI

The R-OMNI diffuser is designed for architectural ceilings and facilities with exposed ductwork.