



SageGlass®



The image shows the Pavilion on the Lake, a two-story building with a prominent south-facing curtain wall. The building features a large, curved staircase on both sides of the entrance, leading to a second-floor balcony. The facade is a mix of textured panels and large glass windows. The entrance is flanked by two large potted palm trees. The building is situated on a brick-paved area with a black metal fence and a body of water in the background.

PAVILION ON THE LAKE

Tavares, Florida, USA

CASE STUDY

CHALLENGE

The Pavilion on the Lake in Tavares, Florida, is an 8,000-square-foot event center built at the end of a 150-foot pier over picturesque Lake Dora. The city-owned facility is a popular site for weddings, family gatherings and many other community functions.

The defining feature of the Pavilion is a south-facing, two-story curtain wall that provides a visually striking backdrop for a winding staircase that often serves as the focal point for wedding ceremonies, presentations and other celebrations. Controlling solar glare and heat gain in the space without blocking the dramatic outdoor view with shades or blinds was a key design objective for the \$6.3 million project, according to Carrie Petroski, Tavares Pavilion Manager.

“The glass wall is the first thing that wows people when they enter the building,” Petroski said. “So preserving the outdoor view was a key selling point for the Pavilion. But we had a unique challenge controlling the sun. Since we are on the lake, sun glare is compounded because it reflects off the water and bounces into the building.”

“The glass wall is the first thing that wows people when they enter the building. Preserving the outdoor view was a key selling point for the Pavilion.”

Carrie Petroski

Manager, Pavilion on the Lake



SAINT-GOBAIN

Pavilion on the Lake

Travares, Florida, USA

SageGlass®

SOLUTION

For the Pavilion on the Lake, SageGlass® glazing offers an ideal solution. This electronically tintable dynamic glass darkens or clears automatically in response to the sun's movements throughout the day while preserving outdoor views.

Installed on three sides of the facility, SageGlass walls enable stunning waterfront views that impress guests regardless of harsh sun conditions — while also saving energy costs by reducing the total cooling load. Even more important, SageGlass is helping to create a unique, comfortable indoor environment for all kinds of celebrations and events.

“People really love the ‘island oasis’ vibe of the space,” Petroski said. “The glass walls provide a beautiful backdrop for weddings, and the unparalleled lake view can be seen throughout the Pavilion. We can guarantee that everyone will be able to take breathtaking photos while creating unforgettable memories in this space.”

BENEFITS

The ability of SageGlass to mitigate the damaging effects of the sun was another important advantage that influenced the project's decision-makers to choose dynamic glass. The indoor space was constructed with impeccable wood craftsmanship and outfitted with antiques and fine furnishings, including carved sideboards and credenzas for linen and glassware storage; wicker, rattan, and reed furniture; original artwork; mahogany-finished, Chiavari chairs for dining; a grand piano; wooden floors; and of course the ornately carved, two-tier winding staircase.

“We made a big investment in the interior design,” Petroski said. “And SageGlass helps us protect that investment by preventing the sun from discoloring the furnishings and artwork.”



SageGlass, installed in Pavilion on the Lake, creates a comfortable indoor experience for the event facility by controlling sunlight to prevent glare and heat gain while maintaining a breathtaking views to the outside.

ARCHITECT: Blaise, Fiebach & Associates, P.A.

GLAZING CONTRACTOR: Cardinal Glass Industries

WHY SAGEGLASS?

The pioneer of the world's smartest electrochromic glass, SageGlass® is the ultimate connector between the built and natural environments. SageGlass tints on demand to optimize daylight, reduce glare and manage heat – all while maintaining unobstructed views of the outdoors. With SageGlass, architects and building owners can improve occupant comfort and reduce energy demand in buildings. As a wholly owned subsidiary of Saint-Gobain, SageGlass is backed by more than 350 years of building science expertise. Learn more at www.SageGlass.com or join SageGlass on Twitter, Facebook and LinkedIn.

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