

Methodist Olive Branch Hospital Olive Branch, MS



35% HVAC peak-load reduction

Enabled patient centered healing while preserving views

One of the first hospitals to attain LEED HC Gold certification

Methodist Olive Branch Hospital, Olive Branch, MS

Compassion and faith form the cornerstone of Methodist Le Bonheur Healthcare, a not-for-profit healthcare system. Its newest hospital in Olive Branch combines these long-standing principles with a high-tech twist using View Dynamic Glass.

Objectives Considered a suburb of Memphis, the northern Mississippi town of Olive Branch, just over the border from Tennessee, has experienced a population boom. According to Bloomberg, it was the fastest growing city in the country between 1990 and 2010.

To care for this growing community, Methodist Healthcare decided to build a hospital in the town. When it opened in August 2013, Methodist Olive Branch Hospital was the first newly licensed hospital in the state of Mississippi in 25 years. The most prominent architectural component of the five-story, 100-bed hospital is a south- and west-facing glass atrium that spans the full height of the building.

During the design phase, the hospital initially considered three options for creating this large open space. It could accept the heat gain; use a low-performance, static, tinted glass; or select a motorized shading system that would obstruct the views. Realizing the need for a solution that would block heat and glare, but not views, the hospital found the only acceptable alternative in View Dynamic Glass.

Team

Architect:
Gresham Smith & Partners

General contractor:
Turner Construction

Glazier:
BHN Corporation

Glazing system

Project type:
New installation

System type:
Storefront; Curtain Wall

Make and model:
Vistawall Series 3000 Storefront, Reliance Curtain Wall System

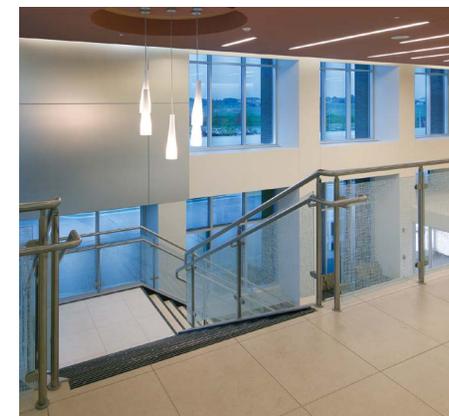
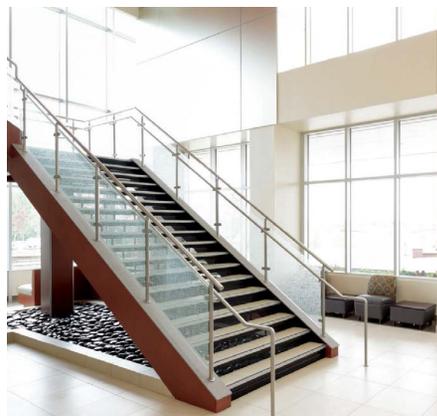
IGU makeup

Overall thickness:
1"

Outboard lite:
6mm tempered clear with EC on surface #2

Spacer:
½" black warm edge spacer

Inboard lite:
6mm tempered clear



Solution More than 2,100 square feet of 9-foot-tall View Dynamic Glass acts as the glass skin of the atrium, allowing the hospital to realize its desire to build an innovative, environmentally friendly facility with a 21st century design.

Outcome The selection of View Dynamic Glass met the project's energy efficiency goals and fulfilled the building design criteria. The hospital saved \$22,000 immediately by reducing HVAC capacity and saves \$2,000 annually in energy costs, giving it a 5-year payback on the Dynamic Glass installation.

Payoffs

- Reduced HVAC system capacity by 35 percent, saving \$22,000 immediately
- Saves \$2,000 annually in energy costs for 5-year payback
- Achieved LEED HC Gold certification contribution to the U.S. Green Building Council Leadership in Energy and Environmental Design (LEED) certification
- Provides unobstructed views of the outdoors and an attractive building design